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MOD UK NOISE AND VIBRATION SURVEYS

SHOEBURYNESS RANGE

JUNE 2016

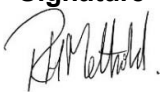
VOLUME 3: TECHNICAL APPENDICES – RESULTS

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QINETIQ LTD
MOD UK NOISE AND VIBRATION SURVEYS
SHOEBURYNESS RANGE
VOLUME 3: TECHNICAL APPENDICES – RESULTS

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AMENDMENT HISTORY

Issue	Status	Description	Date
01	Final Draft	Draft Report issued to QinetiQ for comment	15/02/2015
02	Final	Final Report Issued	15/03/2016
03	Final	Final Report	02/06/2016
04	Final	Final Report	22/06/2016

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This is Volume 3 of 3 of the MOD Shoeburyness Range Final Report. This volume should be read in conjunction with Volumes 1 and 2.

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VOLUME 3: TECHNICAL APPENDICES – RESULTS

CHAPTER 1: RANGE FIRING LOGS

Date	Trigger Time	Range	NEQ / Cali	Measured Level (L_{Cpeak})			Southdowns Trigger ID
				SHB_R1_DAT[1]	SHB_R2_RUG[1]	SHB_R3_BAT[1]	
29/06/2015	09:49:00	DAT	10	103	-	-	R1-6
29/06/2015	11:37:00	DAT	11	142	-	-	R1-12
29/06/2015	12:14:00	DAT	11	143	-	-	R1-17
29/06/2015	14:02:00	DAT	17	146	-	-	R1-23
29/06/2015	15:00:00	DAT	15	119	-	-	R1-28
29/06/2015	15:05:00	DAT	17	149	-	-	R1-29
30/06/2015	09:33:00	DAT	5	144	-	-	R1-42
30/06/2015	12:15:00	DAT	5	104	-	-	R1-46
30/06/2015	12:48:00	DAT	10.5	148	-	-	R1-49
30/06/2015	13:11:00	DAT	21	152	-	-	R1-55
30/06/2015	13:37:00	DAT	16	153	-	-	R1-60
30/06/2015	13:38:00	DAT	16	102	-	-	R1-61
30/06/2015	14:26:00	DAT	16	152	-	-	R1-69
30/06/2015	14:37:00	DAT	10.5	101	-	-	R1-70
01/07/2015	10:10:00	DAT	10	149	-	-	R1-75
01/07/2015	12:11:00	DAT	10.5	149	-	140	R1-85 & R3-56
01/07/2015	12:17:00	DAT	10.5	149	104	96	R1-85 & R2-11 & R3-57
01/07/2015	14:57:00	DAT	10.5	121	-	-	R1-98
01/07/2015	15:08:00	DAT	10.5	149	106	-	R1-100 & R2-25
02/07/2015	09:10:00	DAT	10	100	-	-	R1-107
02/07/2015	10:20:00	DAT	10.5	102	-	-	R1-116
02/07/2015	10:41:00	DAT	10.5	148	94	-	R1-118 & R2-27
02/07/2015	10:45:00	DAT	10.5	148	-	-	R1-118
02/07/2015	11:53:00	DAT	10.5	110	-	-	R1-123
02/07/2015	12:13:00	DAT	30	154	-	94	R1-127 & R3-120
06/07/2015	13:49:00	DAT	10	148	-	92	R1-234 & R3-140
06/07/2015	12:31:00	DAT	10.5	140	-	101	R1-227 & R3-134

TABLE 1.1: RANGE ACTIVITY FOR MONITORING PERIOD 28TH JUNE 2015 TO 31ST DECEMBER 2015

Notes:

[1] Trigger Threshold SHB_R1_DAT = 75 dB(A); Trigger Threshold SHB_R2_RUG = 75 dB(A); Trigger Threshold SHB_R3_BAT = 75 dB(A);and

[2] A-weighting used for trigger thresholds to reduce number of triggers caused by wind noise.

Date	Trigger Time	Range	NEQ / Cali	Measured Level (L_{Cpeak})			Southdowns Trigger ID
				SHB_R1_DAT[1]	SHB_R2_RUG[1]	SHB_R3_BAT[1]	
06/07/2015	14:40:00	DAT	21	149	-	-	R1-240
06/07/2015	15:08:00	DAT	2	152	-	-	R1-242
07/07/2015	09:45:00	DAT	10	148	-	-	R1-265
07/07/2015	11:29:00	DAT	10.5	107	-	-	R1-275
07/07/2015	12:02:00	DAT	30	150	-	-	R1-279
07/07/2015	13:47:00	DAT	10.5	102	-	-	R1-284
08/07/2015	14:39:00	DAT	3	139	-	-	R1-351
09/07/2015	10:17:00	DAT	10	101	-	90	R1-358 & R3-156
09/07/2015	11:02:00	DAT	13 + 8	145	-	91	R1-361 & R3-158
13/07/2015	10:21:00	X3	5	-	114	-	R2-41
13/07/2015	11:37:00	X3	18	-	120	-	R2-42
13/07/2015	12:00:00	X3	18	-	125	97	R2-44 & R3-180
13/07/2015	12:46:00	X3	18	108	122	-	R1-402 & R2-45
13/07/2015	14:43:00	X3	18	-	122	100	R2-46 & R3-190
14/07/2015	08:11:00	DAT	10	148	-	-	R1-407
14/07/2015	10:28:00	X3	20	101	125	-	R1-428 & R2-50
14/07/2015	10:34:00	DAT	3	140	125	-	R1-429 & R2-50
14/07/2015	11:29:00	DAT	3.5	143	-	-	R1-435
14/07/2015	11:30:00	DAT	5.5	143	-	-	R1-435
14/07/2015	11:54:00	X3	20	103	127	-	R1-439 & R2-51
14/07/2015	12:58:00	X3	20	-	119	-	R2-52
14/07/2015	13:11:00	DAT	22	145	-	-	R1-444
14/07/2015	14:13:00	DAT	12.5	148	-	-	R1-453
14/07/2015	15:11:00	X3	20	-	121	-	R2-53
15/07/2015	08:10:00	DAT	10	147	-	-	R1-467
15/07/2015	09:16:00	DAT	5	101	-	-	R1-470
15/07/2015	10:00:00	X3	5	-	118	-	R2-54

TABLE 1.1 (CTD): RANGE ACTIVITY FOR MONITORING PERIOD 28TH JUNE 2015 TO 31ST DECEMBER 2015

Notes:
[[1] Trigger Threshold SHB_R1_DAT = 75 dB(A); Trigger Threshold SHB_R2_RUG = 75 dB(A); Trigger Threshold SHB_R3_BAT = 75 dB(A);and
[2] A-weighting used for trigger thresholds to reduce number of triggers caused by wind noise.

Date	Trigger Time	Range	NEQ / Cali	Measured Level (L_{Cpeak})			Southdowns Trigger ID
				SHB_R1_DAT[1]	SHB_R2_RUG[1]	SHB_R3_BAT[1]	
15/07/2015	10:43:00	DAT	65	154	-	-	R1-485
15/07/2015	11:19:00	X3	20	-	124	-	R2-55
15/07/2015	12:33:00	X3	20	-	118	-	R2-57
15/07/2015	14:17:00	X3	20	-	116	-	R2-60
15/07/2015	14:55:00	X3	20	-	117	-	R2-61
15/07/2015	14:55:00	X3	6	-	117	-	R2-61
16/07/2015	10:08:00	X3	10	-	-	-	NT
16/07/2015	10:56:00	X3	20	-	-	-	NT
16/07/2015	11:34:00	X3	20	-	-	111	R3-222
16/07/2015	12:19:00	X3	20	-	89	-	R2-65
16/07/2015	13:33:00	X3	12	-	-	-	NT
16/07/2015	14:14:00	X3	15	-	-	-	NT
16/07/2015	14:53:00	X3	15	106	-	101	R1-506 & R3-228
16/07/2015	15:04:00	X3	15	106	-	-	R1-507
21/07/2015	08:06:00	DAT	10	-	-	-	NT
21/07/2015	10:33:00	DAT	5	-	-	-	NT
21/07/2015	10:38:00	X3	20	-	119	-	R2-81
21/07/2015	11:00:00	X3	20	-	-	-	NT
21/07/2015	12:18:00	X3	20	-	124	-	R2-83
21/07/2015	13:34:00	DAT	16	-	93	-	R2-84
21/07/2015	13:59:00	X3	8.5,8.5,7,5	-	120	-	R2-85
21/07/2015	15:02:00	DAT	5	-	90	-	R2-90
21/07/2015	15:04:00	X3	20	-	128	-	R2-91
22/07/2015	10:12:00	DAT	10	-	-	-	NT
22/07/2015	11:13:00	DAT	20	-	-	-	NT
22/07/2015	11:13:00	DAT	9	-	-	-	NT
28/07/2015	09:29:00	DAT	11	108	-	-	R1-568
28/07/2015	10:29:00	DAT	11	146	-	-	R1-575
28/07/2015	12:01:00	DAT	15	148	-	-	R1-581

TABLE 1.1 (CTD): RANGE ACTIVITY FOR MONITORING PERIOD 28TH JUNE 2015 TO 31ST DECEMBER 2015

Notes:
[1] Trigger Threshold SHB_R1_DAT = 75 dB(A); Trigger Threshold SHB_R2_RUG = 75 dB(A); Trigger Threshold SHB_R3_BAT = 75 dB(A);and
[2] A-weighting used for trigger thresholds to reduce number of triggers caused by wind noise.

Date	Trigger Time	Range	NEQ / Cali	Measured Level (L_{Cpeak})			Southdowns Trigger ID
				SHB_R1_DAT[1]	SHB_R2_RUG[1]	SHB_R3_BAT[1]	
28/07/2015	12:52:00	DAT	31	108	-	-	R1-584
28/07/2015	14:33:00	DAT	15	142	-	97	R1-590 & R3-315
29/07/2015	09:51:00	DAT	12	134	98	-	R1-616 & R2-120
29/07/2015	10:26:00	DAT	42	104	-	-	R1-618
29/07/2015	11:46:00	DAT	62	153	107	-	R1-630 & R2-122
29/07/2015	12:29:00	DAT	72	150	-	-	R1-643
29/07/2015	14:38:00	DAT	72	115	-	-	R1-664
29/07/2015	14:38:00	DAT	66	150	-	-	R1-666
29/07/2015	15:09:00	DAT	50	149	104	-	R1-679 & R2-133
03/08/2015	11:40:00	Q BTY	3	-	-	153	R3-70
04/08/2015	08:19:00	Q BTY	5	94	-	145	R1-40 & R3-156
04/08/2015	14:43:00	DAT	14	150	-	149	R1-89 & R3-262
05/08/2015	10:21:00	DAT	10	147	-	-	R1-105
05/08/2015	11:08:00	DAT	20	146	-	-	R1-111
05/08/2015	11:14:00	DAT	17	146	-	-	R1-111
05/08/2015	11:20:00	FLEET	4	151	-	-	R1-112
05/08/2015	13:03:00	DAT	24	148	-	-	R1-117
05/08/2015	13:37:00	DAT	24	-	-	-	NT
06/08/2015	09:26:00	DAT	10	102	-	95	R1-137 & R3-360
06/08/2015	12:21:00	DAT	24	152	-	-	R1-147
06/08/2015	13:07:00	DAT	24	151	-	-	R1-153
06/08/2015	13:15:00	DAT	24	151	-	-	R1-153
11/08/2015	09:10:00	Q BTY	7	122	124	-	R1-204 & R2-40
11/08/2015	12:56:00	DAT	5	101	-	-	R1-229
11/08/2015	16:47:00	DAT	130	-	-	-	NT
12/08/2015	09:47:00	DAT	1	137	128	156	R1-248 & R2-73 & R3-382
12/08/2015	09:26:00	Q BTY	7	-	95	156	R2-66 & R3-377

TABLE 1.1 (CTD): RANGE ACTIVITY FOR MONITORING PERIOD 28TH JUNE 2015 TO 31ST DECEMBER 2015

Notes:
[1] Trigger Threshold SHB_R1_DAT = 75 dB(A); Trigger Threshold SHB_R2_RUG = 75 dB(A); Trigger Threshold SHB_R3_BAT = 75 dB(A);and
[2] A-weighting used for trigger thresholds to reduce number of triggers caused by wind noise.

Date	Trigger Time	Range	NEQ / Cali	Measured Level (L_{Cpeak})			Southdowns Trigger ID
				SHB_R1_DAT[1]	SHB_R2_RUG[1]	SHB_R3_BAT[1]	
12/08/2015	11:05:00	DAT	8	103	125	156	R1-251 & R2-79 & R3-411
12/08/2015	11:27:00	DAT	8	149	121	156	R1-258 & R2-81 & R3-423
12/08/2015	11:54:00	DAT	8	102	-	96	R1-262 & R3-427
13/08/2015	09:25:00	Q BTY	7	-	119	156	R2-89 & R3-469
14/08/2015	09:52:00	Q BTY	7	118	119	156	R1-316 & R2-106 & R3-899
18/08/2015	10:07:00	Q BTY	4	-	115	147	R2-119 & R3-556
18/08/2015	13:10:00	N/ENG	5	-	117	149	R2-135 & R3-629
18/08/2015	14:50:00	N/ENG	5	102	-	-	R1-402
19/08/2015	09:45:00	R WOOD	10	-	146	150	R2-141 & R3-651
19/08/2015	13:12:00	R WOOD	30	-	157	145	R2-151 & R3-721
20/08/2015	09:44:00	DAT	10	149	-	-	R1-440
20/08/2015	11:19:00	DAT	20	150	-	-	R1-444
20/08/2015	12:35:00	DAT	20	153	-	-	R1-451
20/08/2015	14:15:00	DAT	13	150	-	-	R1-456
20/08/2015	14:36:00	DAT	14	147	-	-	R1-461
25/08/2015	09:16:00	R WOOD	10	-	148	-	R2-187
25/08/2015	10:42:00	DAT	12	147	93	-	R1-494 & R2-191
25/08/2015	11:38:00	R WOOD	78	103	113	-	R1-498 & R2-192
25/08/2015	12:00:00	DAT	18	153	-	-	R1-501
25/08/2015	12:49:00	DAT	2	146	99	-	R1-505 & R2-199
25/08/2015	13:04:00	N/ENG	5	97	-	-	R1-508
26/08/2015	09:37:00	DAT	10	150	-	103	R1-520 & R3-793
26/08/2015	10:16:00	DAT	20	156	-	-	R1-524
26/08/2015	11:10:00	DAT	19.5	152	-	-	R1-529
26/08/2015	11:43:00	DAT	19.5	151	-	-	R1-535
26/08/2015	12:14:00	DAT	19.5	154	-	-	R1-540
26/08/2015	13:53:00	DAT	19.5	153	-	-	R1-543

TABLE 1.1 (CTD): RANGE ACTIVITY FOR MONITORING PERIOD 28TH JUNE 2015 TO 31ST DECEMBER 2015

Notes:
[1] Trigger Threshold SHB_R1_DAT = 75 dB(A); Trigger Threshold SHB_R2_RUG = 75 dB(A); Trigger Threshold SHB_R3_BAT = 75 dB(A);and
[2] A-weighting used for trigger thresholds to reduce number of triggers caused by wind noise.

Date	Trigger Time	Range	NEQ / Cali	Measured Level (L_{Cpeak})			Southdowns Trigger ID
				SHB_R1_DAT[1]	SHB_R2_RUG[1]	SHB_R3_BAT[1]	
26/08/2015	14:13:00	DAT	19.5	153	-	-	R1-547
27/08/2015	12:51:00	DAT	10	142	-	-	R1-558
27/08/2015	13:25:00	DAT	28	154	-	-	R1-561
27/08/2015	14:00:00	DAT	28	154	-	-	R1-565
27/08/2015	14:36:00	DAT	28	155	-	-	R1-569
27/08/2015	14:56:00	DAT	10	149	-	-	R1-572
07/09/2015	10:01:00	DAT	10	145	111	153	R1-72 & R2-28 & R3-43
07/09/2015	10:33:00	RWOOD	10	102	143	154	R1-75 & R2-32 & R3-51
07/09/2015	11:10:00	DAT	45	150	111	155	R1-82 & R2-36 & R3-59
07/09/2015	11:23:00	DAT	45	149	118	155	R1-83 & R2-37 & R3-63
07/09/2015	12:08:00	DAT	35	151	125	154	R1-90 & R2-41 & R3-79
07/09/2015	13:56:00	DAT	45	152	-	-	R1-96
07/09/2015	14:53:00	DAT	45-31-27	146	111	96	R1-102 & R2-59 & R3-125
07/09/2015	15:07:00	RWOOD	28	147	135	155	R1-106 & R2-62 & R3-131
07/09/2015	15:13:00	DAT	45	147	-	-	R1-106
08/09/2015	11:05:00	RWOOD	10	90	138	-	R1-114 & R2-67
08/09/2015	11:20:00	DAT	10	146	-	-	R1-117
08/09/2015	11:53:00	DAT	21	153	112	109	R1-121 & R2-69 & R3-143
08/09/2015	12:49:00	R WOOD	28	-	157	116	& R2-71R3-154
09/09/2015	09:20:00	DAT	10	148	-	-	R1-140
09/09/2015	10:36:00	DAT	24	153	114	-	R1-148 & R2-78
09/09/2015	11:54:00	DAT	24	152	-	-	R1-153
09/09/2015	13:44:00	DAT	24	150	-	95	R1-158 & R3-181
10/09/2015	10:13:00	DAT	10	147	-	93	R1-165 & R3-224
10/09/2015	10:49:00	DAT	37	151	114	-	R1-171 & R2-80
10/09/2015	11:40:00	DAT	20	149	129	-	R1-175 & R2-84
10/09/2015	15:10:00	RWOOD	28	98	129	-	R1-180 & R2-96
15/09/2015	09:44:00	DAT	10	148	109	96	R1-243 & R2-123 & R3-269

TABLE 1.1 (CTD): RANGE ACTIVITY FOR MONITORING PERIOD 28TH JUNE 2015 TO 31ST DECEMBER 2015

Notes:
[1] Trigger Threshold SHB_R1_DAT = 75 dB(A); Trigger Threshold SHB_R2_RUG = 75 dB(A); Trigger Threshold SHB_R3_BAT = 75 dB(A);and
[2] A-weighting used for trigger thresholds to reduce number of triggers caused by wind noise.

Date	Trigger Time	Range	NEQ / Cali	Measured Level (L_{Cpeak})			Southdowns Trigger ID
				SHB_R1_DAT[1]	SHB_R2_RUG[1]	SHB_R3_BAT[1]	
15/09/2015	15:43:00	X3	5	104	124	-	R1-275 & R2-137
16/09/2015	08:55:00	DAT	3	143	-	-	R1-282
16/09/2015	09:50:00	DAT	19	152	-	92	R1-287 & R3-359
16/09/2015	10:32:00	DAT	19	153	110	-	R1-294 & R2-138
16/09/2015	11:45:00	X3	10	103	-	110	R1-301 & R3-365
16/09/2015	11:55:00	Q BTY	3	152	-	156	R1-304 & R3-371
16/09/2015	11:56:00	DAT	3	152	-	156	R1-304 & R3-371
16/09/2015	09:50:00	DAT	19	152	-	92	R1-287 & R3-359
16/09/2015	12:16:00	X3	10	100	-	106	R1-306 & R3-381
16/09/2015	12:34:00	DAT	19	150	113	156	R1-308 & R2-139 & R3-390
16/09/2015	13:10:00	DAT	10	144	-	89	R1-313 & R3-403
16/09/2015	14:34:00	DAT	4	103	-	108	R1-316 & R3-442
17/09/2015	09:21:00	DAT	10	144	105	158	R1-326 & R2-143
17/09/2015	09:28:00	DAT	10	148	105	158	R1-327 & R2-143
17/09/2015	10:40:00	DAT	11	149	-	86	R1-333
17/09/2015	11:46:00	DAT	24	152	-	156	R1-340
17/09/2015	12:53:00	DAT	40	151	-	-	R1-351
17/09/2015	14:47:00	X3	5	98	127	-	R1-360 & R2-145
21/09/2015	13:05:00	DAT	12	148	-	-	R1-402
21/09/2015	13:38:00	X3	5	103	124	-	R1-407 & R2-150
21/09/2015	14:50:00	DAT	24	149	-	-	R1-410
21/09/2015	15:35:00	DAT	9	143	-	-	R1-417
22/09/2015	09:59:00	DAT	10	148	-	-	R1-427
22/09/2015	11:35:00	DAT	29	149	112	-	R1-432 & R2-158
22/09/2015	11:30:00	DAT	5	102	-	-	R1-430
22/09/2015	14:55:00	X3	5	-	119	-	R2-172
23/09/2015	09:50:00	DAT	10	122	-	-	R1-464
23/09/2015	11:09:00	RWOOD	10	129	143	141	R1-481 & R2-179
23/09/2015	12:03:00	DAT	7	142	-	144	R1-485

TABLE 1.1 (CTD): RANGE ACTIVITY FOR MONITORING PERIOD 28TH JUNE 2015 TO 31ST DECEMBER 2015

Notes:

[1] Trigger Threshold SHB_R1_DAT = 75 dB(A); Trigger Threshold SHB_R2_RUG = 75 dB(A); Trigger Threshold SHB_R3_BAT = 75 dB(A);and

[2] A-weighting used for trigger thresholds to reduce number of triggers caused by wind noise.

Date	Trigger Time	Range	NEQ / Cali	Measured Level (L_{Cpeak})			Southdowns Trigger ID
				SHB_R1_DAT[1]	SHB_R2_RUG[1]	SHB_R3_BAT[1]	
23/09/2015	13:02:00	DAT	17	149	-	140	R1-490
24/09/2015	13:26:00	DAT	20	-	-	-	NT
24/09/2015	14:33:00	DAT	63	-	-	-	NT
25/09/2015	09:41:00	DAT	1.3	-	-	99	NT
28/09/2015	11:57:00	X3	4	-	-	-	NT
28/09/2015	12:08:00	X3	4	-	-	-	NT
29/09/2015	10:16:00	DAT	10	-	-	-	NT
29/09/2015	10:55:00	DAT	16 + 10	-	-	99	NT
29/09/2015	12:18:00	DAT	20	-	114	-	R2-231
30/09/2015	09:51:00	DAT	10	152	127	155	R1-533 & R2-238
30/09/2015	09:55:00	Q BTY	3	152	127	155	R1-533 & R2-238
30/09/2015	11:10:00	DAT	20	154	124	155	R1-540 & R2-245
30/09/2015	12:03:00	DAT	20	154	125	156	R1-543 & R2-250
30/09/2015	13:30:00	DAT	3	144	-	-	R1-552
01/10/2015	10:19:00	DAT	10	147	124	155	R1-4 & R2-3 & R3-10
01/10/2015	09:42:00	Q BTY	3	104	124	156	R1-2 & R2-1 & R3-3
01/10/2015	10:49:00	DAT	20	154	112	156	R1-7 & R2-5 & R3-17
07/10/2015	11:51:00	FLEET	4	102	107	137	R1-57 & R2-51 & R3-171
08/10/2015	09:52:00	DAT	1.5	133	111	141	R1-84 & R2-53 & R3-225
13/10/2015	09:27:00	DAT	10	147	-	154	R1-121 & R3-288
13/10/2015	10:35:00	DAT	11	145	-	-	R1-124
13/10/2015	11:29:00	DAT	14	146	-	153	R1-127 & R3-295
13/10/2015	12:05:00	DAT	14	144	-	-	R1-132
14/10/2015	11:40:00	DAT	10	151	-	-	R1-140
14/10/2015	12:27:00	DAT	10	149	-	-	R1-143
14/10/2015	12:52:00	DAT	10	142	-	-	R1-147
20/10/2015	10:31:00	DAT	6	141	-	-	R1-175
20/10/2015	12:33:00	DAT	13	144	-	-	R1-184
20/10/2015	15:15:00	DAT	18	148	-	-	R1-194

TABLE 1.1 (CTD): RANGE ACTIVITY FOR MONITORING PERIOD 28TH JUNE 2015 TO 31ST DECEMBER 2015

Notes:
[1] Trigger Threshold SHB_R1_DAT = 75 dB(A); Trigger Threshold SHB_R2_RUG = 75 dB(A); Trigger Threshold SHB_R3_BAT = 75 dB(A);and
[2] A-weighting used for trigger thresholds to reduce number of triggers caused by wind noise.

Date	Trigger Time	Range	NEQ / Cali	Measured Level (L_{Cpeak})			Southdowns Trigger ID
				SHB_R1_DAT[1]	SHB_R2_RUG[1]	SHB_R3_BAT[1]	
20/10/2015	15:50:00	DAT	10	141	-	-	R1-199
21/10/2015	14:30:00	R WOOD	8.4	-	140	-	R2-90
22/10/2015	11:57:00	R WOOD	3	127	145	-	R1-224 & R2-92
22/10/2015	13:01:00	R WOOD	3	119	155	-	R1-263 & R2-98
27/10/2015	10:17:00	DAT	10	149	-	-	R1-328
27/10/2015	11:05:00	DAT	12	152	-	-	R1-334
27/10/2015	11:37:00	DAT	7.5	150	-	-	R1-338
27/10/2015	11:47:00	FLEET	4	-	-	-	NT
28/10/2015	10:09:00	Q Bty	3	-	-	142	R3-332
29/10/2015	09:49:00	Q BTY	12	117	123	150	R1-395 & R2-101 & R3-356
03/11/2015	09:33:00	Q BTY	12	-	121	156	R2-1 & R3-1
04/11/2015	10:26:00	DAT	5	146	119	155	R1-8 & R2-11 & R3-12
04/11/2015	11:32:00	DAT	13	147	122	156	R1-12 & R2-16 & R3-19
04/11/2015	12:37:00	DAT	17	150	-	-	R1-17
04/11/2015	13:51:00	DAT	17	153	122	155	R1-24 & R2-32 & R3-35
09/11/2015	09:59:00	DAT	13	147	-	-	R1-45
09/11/2015	10:33:00	DAT	25	151	-	-	R1-48
09/11/2015	11:25:00	DAT	13	152	-	-	R1-52
09/11/2015	12:02:00	DAT	13	152	-	-	R1-55
09/11/2015	13:07:00	DAT	13	149	-	-	R1-58
09/11/2015	14:30:00	DAT	13	151	-	-	R1-60
09/11/2015	14:59:00	DAT	13	148	-	-	R1-63
09/11/2015	15:29:00	DAT	13	149	-	-	R1-65
10/11/2015	13:41:00	DAT	13	148	-	-	R1-72
10/11/2015	14:12:00	DAT	13	150	-	-	R1-74
10/11/2015	14:31:00	DAT	13	153	-	-	R1-77
10/11/2015	14:59:00	DAT	13	149	-	-	R1-79
10/11/2015	15:20:00	DAT	13	149	-	-	R1-81
11/11/2015	10:40:00	SFORD	10	-	123	-	R2-34

TABLE 1.1 (CTD): RANGE ACTIVITY FOR MONITORING PERIOD 28TH JUNE 2015 TO 31ST DECEMBER 2015

Notes:

[1] Trigger Threshold SHB_R1_DAT = 75 dB(A); Trigger Threshold SHB_R2_RUG = 75 dB(A); Trigger Threshold SHB_R3_BAT = 75 dB(A);and

[2] A-weighting used for trigger thresholds to reduce number of triggers caused by wind noise.

Date	Trigger Time	Range	NEQ / Cali	Measured Level (L_{Cpeak})			Southdowns Trigger ID
				SHB_R1_DAT[1]	SHB_R2_RUG[1]	SHB_R3_BAT[1]	
11/11/2015	11:54:00	FLEET	4	-	-	-	NT
12/11/2015	10:05:00	FLEET	4	116	102	-	R1-88 & R2-36
16/11/2015	09:33:00	Q BTY	3	109	108	154	R1-249 & R2-45 & R3-62
17/11/2015	12:11:00	DAT	10	147	-	93	R1-305 & R3-128
17/11/2015	09:33:00	Q BTY	3	141	115	156	R1-286 & R2-53 & R3-94
17/11/2015	09:58:00	X3	5	102	130	94	R1-295 & R2-56 & R3-107
17/11/2015	11:30:00	X3	10	107	128	92	R1-300 & R2-61 & R3-119
17/11/2015	12:38:00	X3	13	110	128	101	R1-308 & R2-63 & R3-131
17/11/2015	12:48:00	X3	13	-	124	-	R2-64
17/11/2015	13:40:00	Dat	16	135	-	-	R1-312
17/11/2015	14:32:00	X3	13	114	131	95	R1-315 & R2-65 & R3-137
17/11/2015	15:27:00	X3	13	112	133	107	R1-322 & R2-66 & R3-139
18/11/2015	08:17:00	QBTY	3	110	114	155	R1-363 & R2-75 & R3-151
18/11/2015	10:04:00	DAT	13	-	112	155	R2-87 & R3-217
18/11/2015	10:34:00	DAT	13	-	106	155	R2-90 & R3-234
18/11/2015	10:57:00	DAT	13	-	-	103	R3-242
18/11/2015	11:47:00	FLEET	4	-	110	-	R2-93
19/11/2015	08:40:00	Q BTY	3	-	111	-	R2-127
19/11/2015	11:30:00	FLEET	4	-	-	155	R3-334
23/11/2015	10:42:00	DAT	2	141	-	-	R1-456
23/11/2015	10:00:00	Q	3	-	124	155	R2-152 & R3-364
23/11/2015	11:21:00	DAT	13	150	-	-	R1-459
23/11/2015	11:50:00	DAT	13	149	-	-	R1-464
23/11/2015	12:14:00	DAT	13	149	122	156	R1-469 & R2-157 & R3-368
23/11/2015	12:45:00	DAT	3X13 & 2X10	149	-	-	R1-474
23/11/2015	14:36:00	DAT	13	150	121	155	R1-480 & R2-167 & R3-379
23/11/2015	15:11:00	DAT	5	149	122	156	R1-486 & R2-169 & R3-381
23/11/2015	09:45:00	DAT	13	-	-	-	NT
23/11/2015	10:10:00	DAT	25	-	-	-	NT

TABLE 1.1 (CTD): RANGE ACTIVITY FOR MONITORING PERIOD 28TH JUNE 2015 TO 31ST DECEMBER 2015

Notes:

[1] Trigger Threshold SHB_R1_DAT = 75 dB(A); Trigger Threshold SHB_R2_RUG = 75 dB(A); Trigger Threshold SHB_R3_BAT = 75 dB(A);and

[2] A-weighting used for trigger thresholds to reduce number of triggers caused by wind noise.

Date	Trigger Time	Range	NEQ / Cali	Measured Level (L_{Cpeak})			Southdowns Trigger ID
				SHB_R1_DAT[1]	SHB_R2_RUG[1]	SHB_R3_BAT[1]	
23/11/2015	10:27:00	DAT	13	-	-	-	NT
24/11/2015	10:36:00	SHELFORD	10	-	-	-	NT
24/11/2015	14:26:00	SHELFORD	10	96	-	-	R1-502
26/11/2015	09:48:00	DAT	10	147	-	-	R1-508
26/11/2015	11:13:00	DAT	10	151	-	-	R1-510
26/11/2015	11:52:00	DAT	20	153	-	-	R1-512
26/11/2015	12:29:00	DAT	20	155	-	-	R1-515
26/11/2015	13:23:00	SHELFORD	10	-	-	-	NT
26/11/2015	14:21:00	DAT	20	154	121	-	R1-518 & R2-173
26/11/2015	14:56:00	DAT	13	153	-	-	R1-520
30/11/2015	11:40:00	FLEET	4	-	-	155	R3-388
01/12/2015	13:00:00	DAT	10	148	-	-	R1-30
01/12/2015	09:58:00	Q	3	104	-	150	R1-7 & R3-1
01/12/2015	12:40:00	FLEET	n/a	-	-	-	Not Triggered
01/12/2015	14:30:00	DAT	16	154	-	-	R1-33
02/12/2015	10:59:00	SHELFORD	10	101	123	-	R1-43 & R2-4
02/12/2015	11:19:00	FLEET	4	101	-	-	R1-44
03/12/2015	09:31:00	DAT	10	149	115	-	R1-64 & R2-5
03/12/2015	12:08:00	FLEET	4	100	-	-	R1-74
08/12/2015	09:14:00	DAT	10	146	-	117	R1-95 & R3-75
08/12/2015	09:07:00	X3	10	119	129	-	R1-94 & R2-25
08/12/2015	09:45:00	X3	30	-	122	101	R2-26 & R3-78
08/12/2015	10:31:00	X3	30	102	123	-	R1-97 & R2-27
08/12/2015	10:45:00	DAT	17.5	154	120	-	R1-98 & R2-28
08/12/2015	11:18:00	X3	30	107	120	-	R1-103 & R2-29
08/12/2015	11:43:00	Dat	17.5	150	122	-	R1-105 & R2-30
08/12/2015	11:47:00	X3	30	150	122	-	R1-105 & R2-30
08/12/2015	12:13:00	X3	30	-	122	-	R2-31
08/12/2015	12:37:00	DAT	17.5	151	-	-	R1-114

TABLE 1.1 (CTD): RANGE ACTIVITY FOR MONITORING PERIOD 28TH JUNE 2015 TO 31ST DECEMBER 2015

Notes:

[1] Trigger Threshold SHB_R1_DAT = 75 dB(A); Trigger Threshold SHB_R2_RUG = 75 dB(A); Trigger Threshold SHB_R3_BAT = 75 dB(A);and

[2] A-weighting used for trigger thresholds to reduce number of triggers caused by wind noise.

Date	Trigger Time	Range	NEQ / Cali	Measured Level (L_{Cpeak})			Southdowns Trigger ID
				SHB_R1_DAT[1]	SHB_R2_RUG[1]	SHB_R3_BAT[1]	
08/12/2015	13:54:00	X3	30	149	123	-	R1-118 & R2-34
08/12/2015	14:00:00	DAT	17.5	151	-	-	R1-120
08/12/2015	14:18:00	X3	30	-	119	-	R2-35
08/12/2015	14:44:00	X3	30	-	126	-	R2-36
08/12/2015	14:59:00	DAT	14	151	-	-	R1-123
09/12/2015	08:57:00	DAT	10	146	-	-	R1-126
09/12/2015	10:59:00	DAT	5	137	-	92	R1-134 & R3-82
09/12/2015	12:00:00	DAT	7	148	-	-	R1-139
10/12/2015	09:13:00	QBTY	3	-	115	154	R2-55 & R3-101
10/12/2015	09:33:00	DAT	1	138	113	154	R1-160 & R2-56 & R3-103
10/12/2015	10:12:00	DAT	1	-	-	-	Not Triggered
10/12/2015	10:15:00	DAT	25	-	-	-	Not Triggered
10/12/2015	11:36:00	SHELFORD	10	-	123	-	R2-61
14/12/2015	09:26:00	Q BTY	7	-	120	-	R2-69
15/12/2015	10:06:00	DAT	10	150	-	-	R1-198
15/12/2015	11:10:00	DAT	2	143	-	-	R1-205
15/12/2015	13:03:00	FLEET	4	-	-	-	Not Triggered
15/12/2015	13:24:00	X3	7 + 5	103	132	-	R1-214 & R2-93
15/12/2015	13:44:00	X3	12	147	133	-	R1-216 & R2-94
15/12/2015	13:46:00	DAT	7	147	133	-	R1-216 & R2-94
15/12/2015	14:31:00	DAT	8	147	-	-	R1-219
16/12/2015	13:07:00	DAT	10	142	127	-	R1-230 & R2-113
16/12/2015	09:52:00	SHELFORD	10	-	125	-	R2-95
16/12/2015	10:27:00	SHELFORD	25	-	125	-	R2-97
16/12/2015	11:00:00	SHELFORD	25	-	123	-	R2-101
16/12/2015	14:48:00	DAT	40	152	108	-	R1-233 & R2-120
17/12/2015	08:48:00	DAT	12	147	-	-	R1-236
17/12/2015	10:25:00	DAT	5x 16 1x 23	151	-	-	R1-239

TABLE 1.1 (CTD): RANGE ACTIVITY FOR MONITORING PERIOD 28TH JUNE 2015 TO 31ST DECEMBER 2015

Notes:
[1] Trigger Threshold SHB_R1_DAT = 75 dB(A); Trigger Threshold SHB_R2_RUG = 75 dB(A); Trigger Threshold SHB_R3_BAT = 75 dB(A);and
[2] A-weighting used for trigger thresholds to reduce number of triggers caused by wind noise.

Date	Trigger Time	Range	NEQ / Cali	Measured Level (L_{Cpeak})			Southdowns Trigger ID
				SHB_R1_DAT[1]	SHB_R2_RUG[1]	SHB_R3_BAT[1]	
17/12/2015	10:31:00	Q BTY	3	117	112	152	R1-241 & R2-124 & R3-132
17/12/2015	12:19:00	DAT	14	150	125	150	R1-251 & R2-130 & R3-141
22/12/2015	11:11:00	FLEET	4	-	117	-	R2-147

TABLE 1.1 (CTD): RANGE ACTIVITY FOR MONITORING PERIOD 28TH JUNE 2015 TO 31ST DECEMBER 2015

Notes:

[1] Trigger Threshold SHB_R1_DAT = 75 dB(A); Trigger Threshold SHB_R2_RUG = 75 dB(A); Trigger Threshold SHB_R3_BAT = 75 dB(A);and

[2] A-weighting used for trigger thresholds to reduce number of triggers caused by wind noise.

VOLUME 3: TECHNICAL APPENDICES – RESULTS
CHAPTER 2: FULL MONITORING RESULTS – SOUND PRESSURE LEVELS

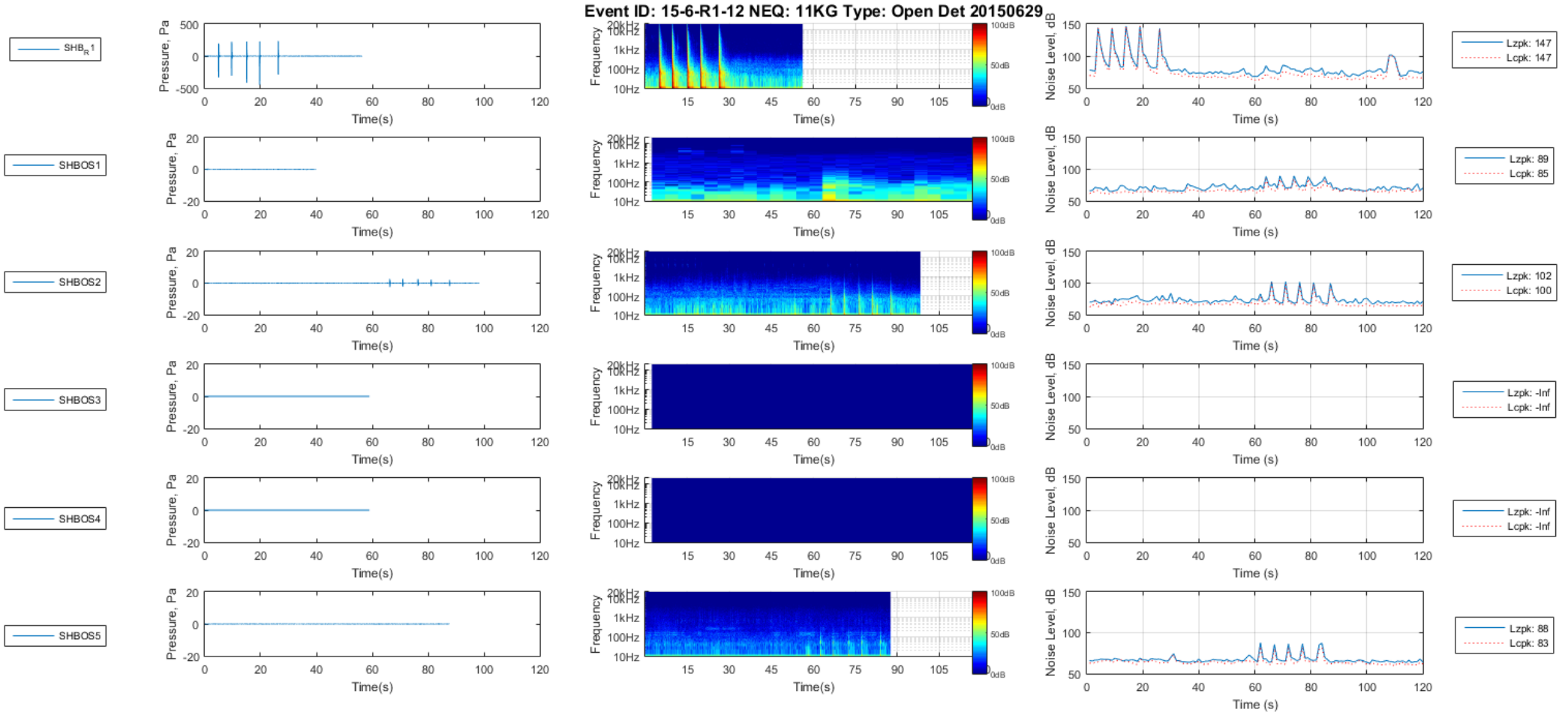


FIGURE 2.1: SHB_OS 1 - 5 15-6-R1-12

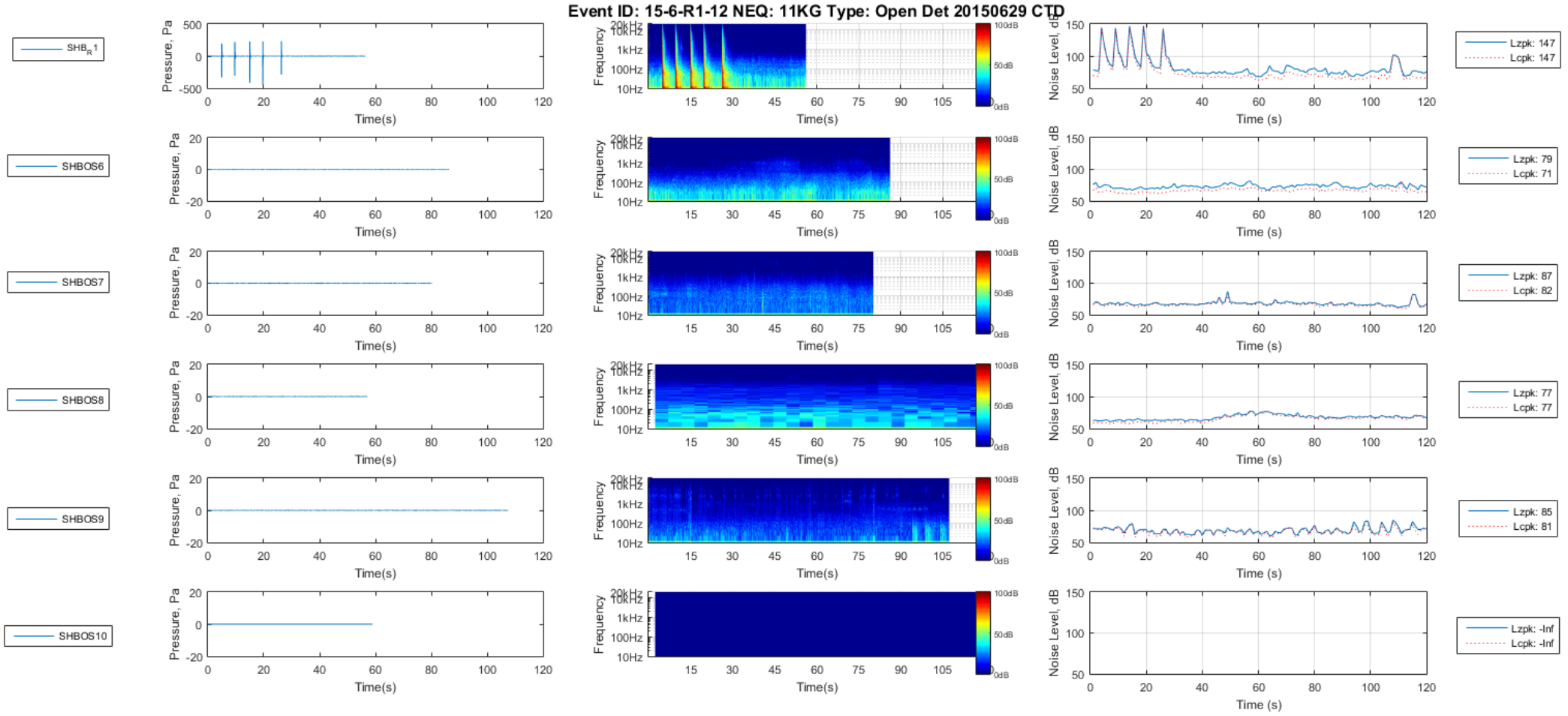


FIGURE 2.2: SHB_OS 6 - 10 15-6-R1-12

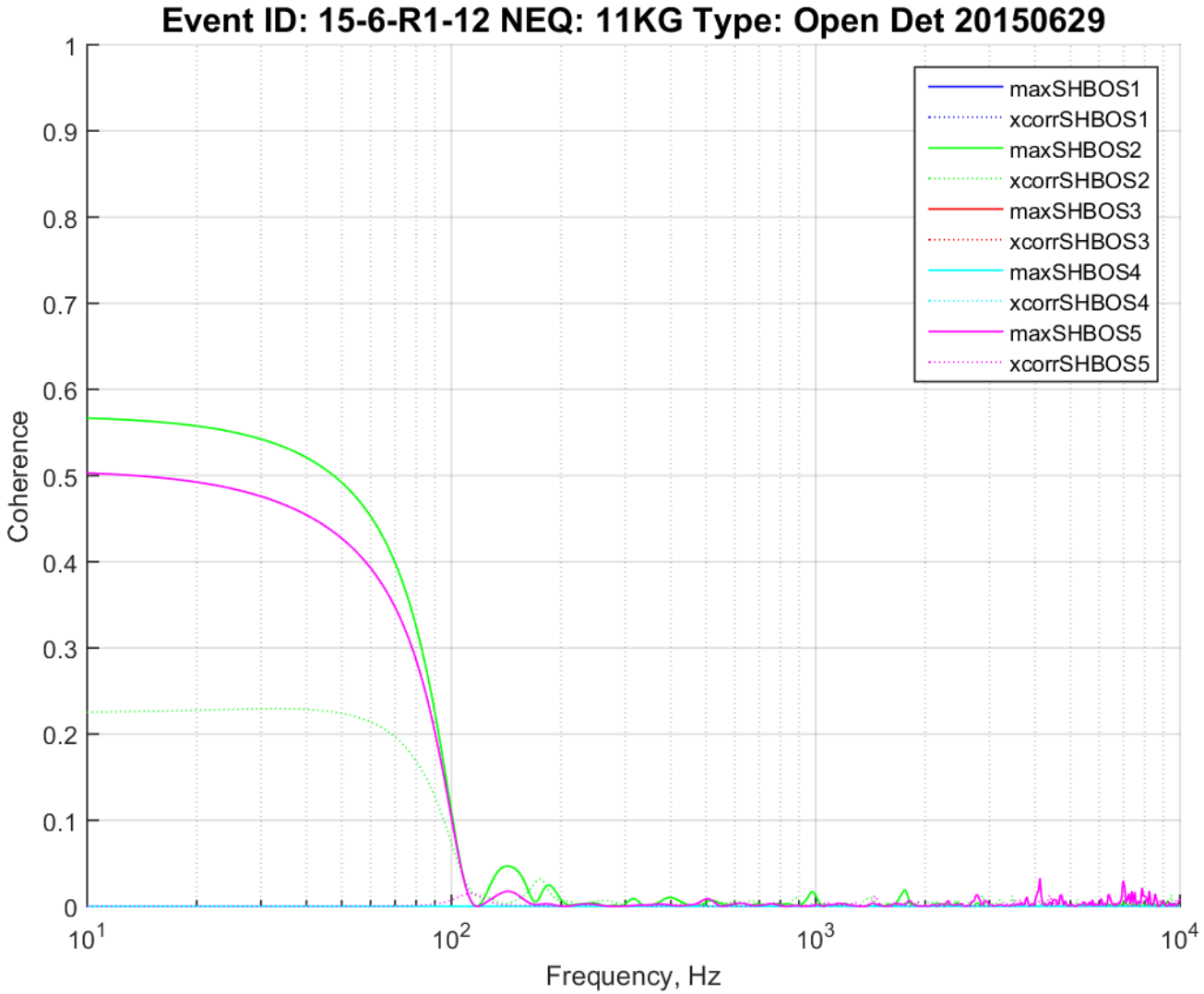


FIGURE 2.3: COHERENCE SHB_OS 1 - 5 15-6-R1-12

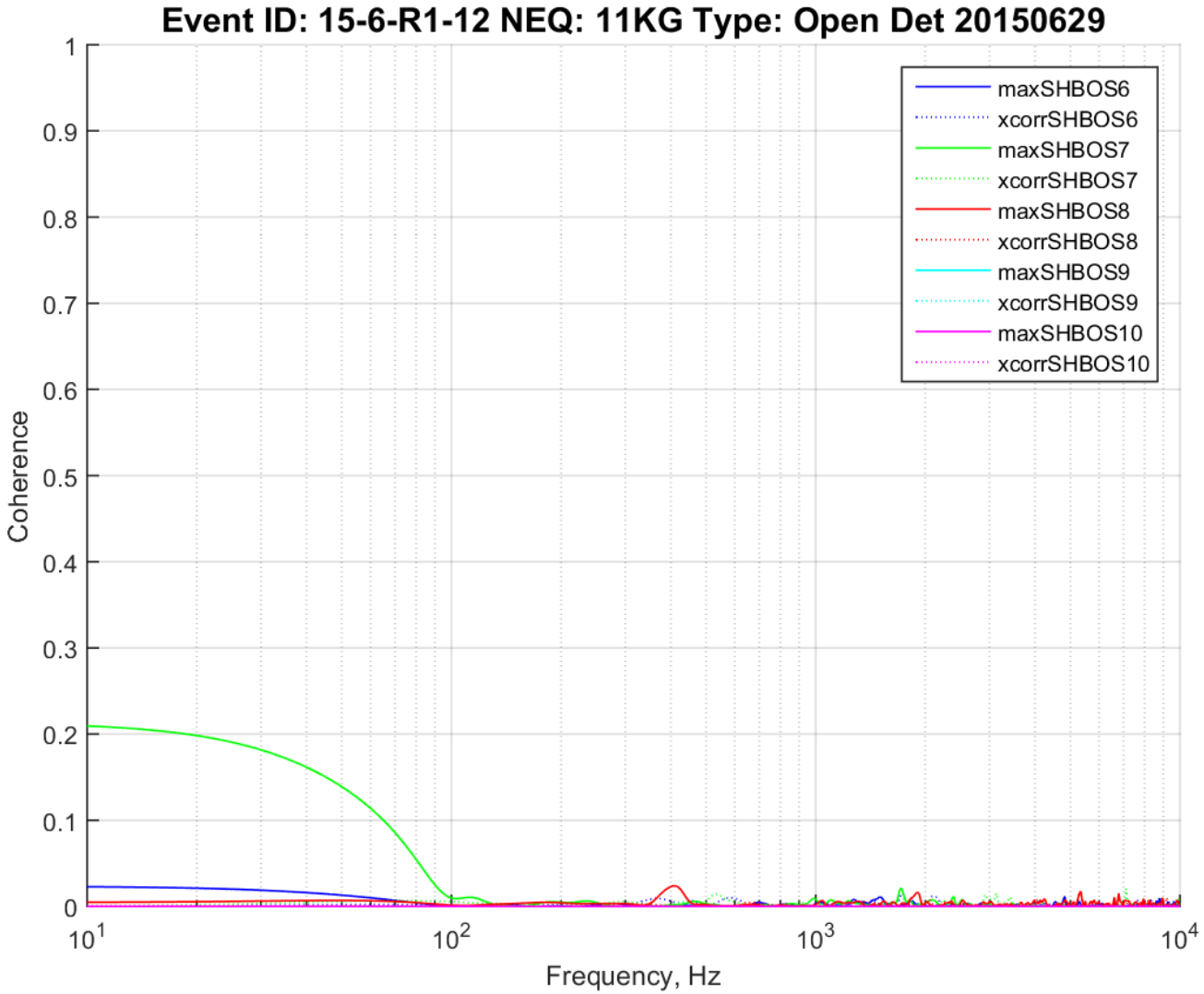


FIGURE 2.4: COHERENCE SHB_OS 6 - 10 15-6-R1-12CTD

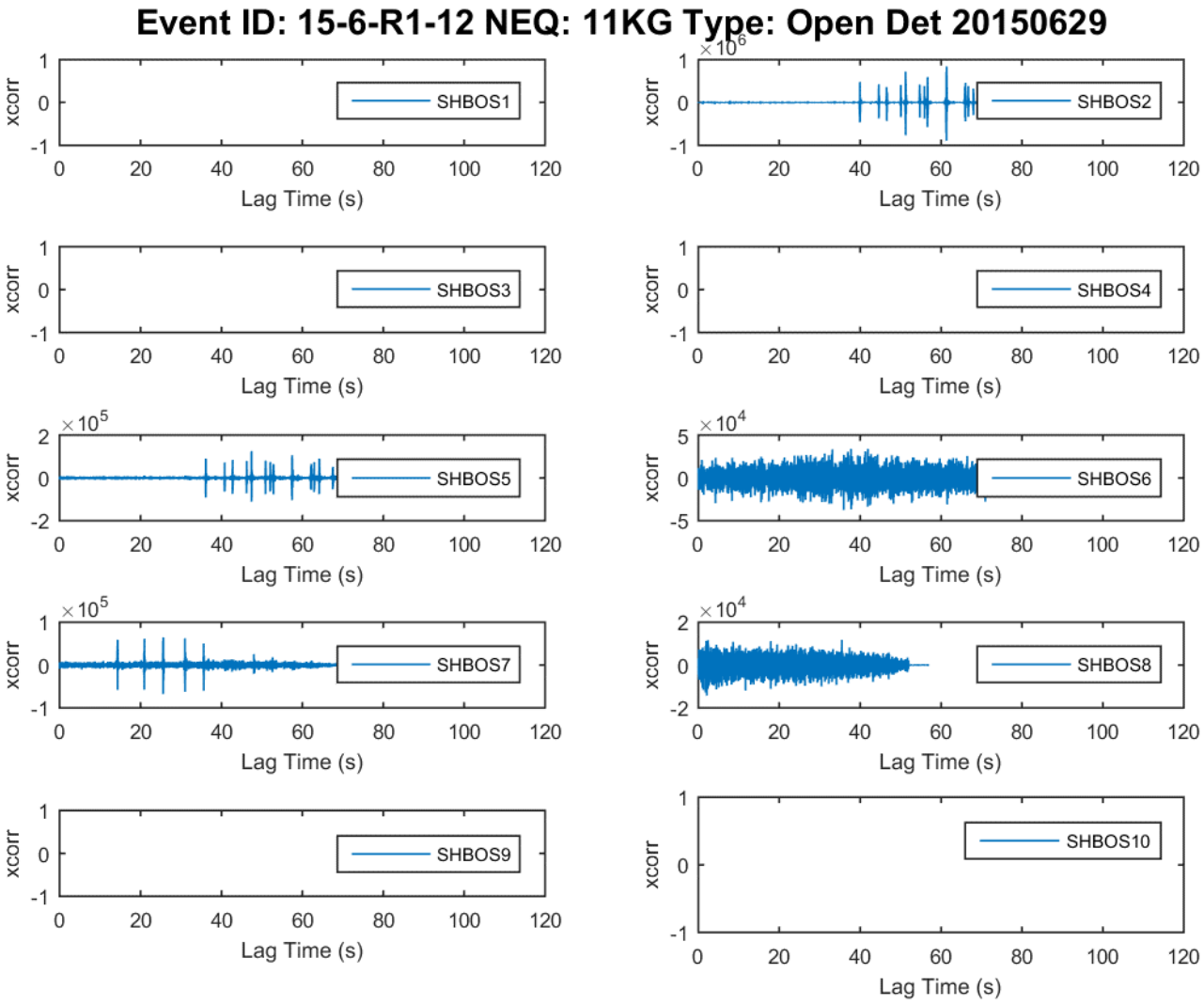


FIGURE 2.5: CROSS CORRELATION SHB_OS 1 - 10 15-6-R1-12

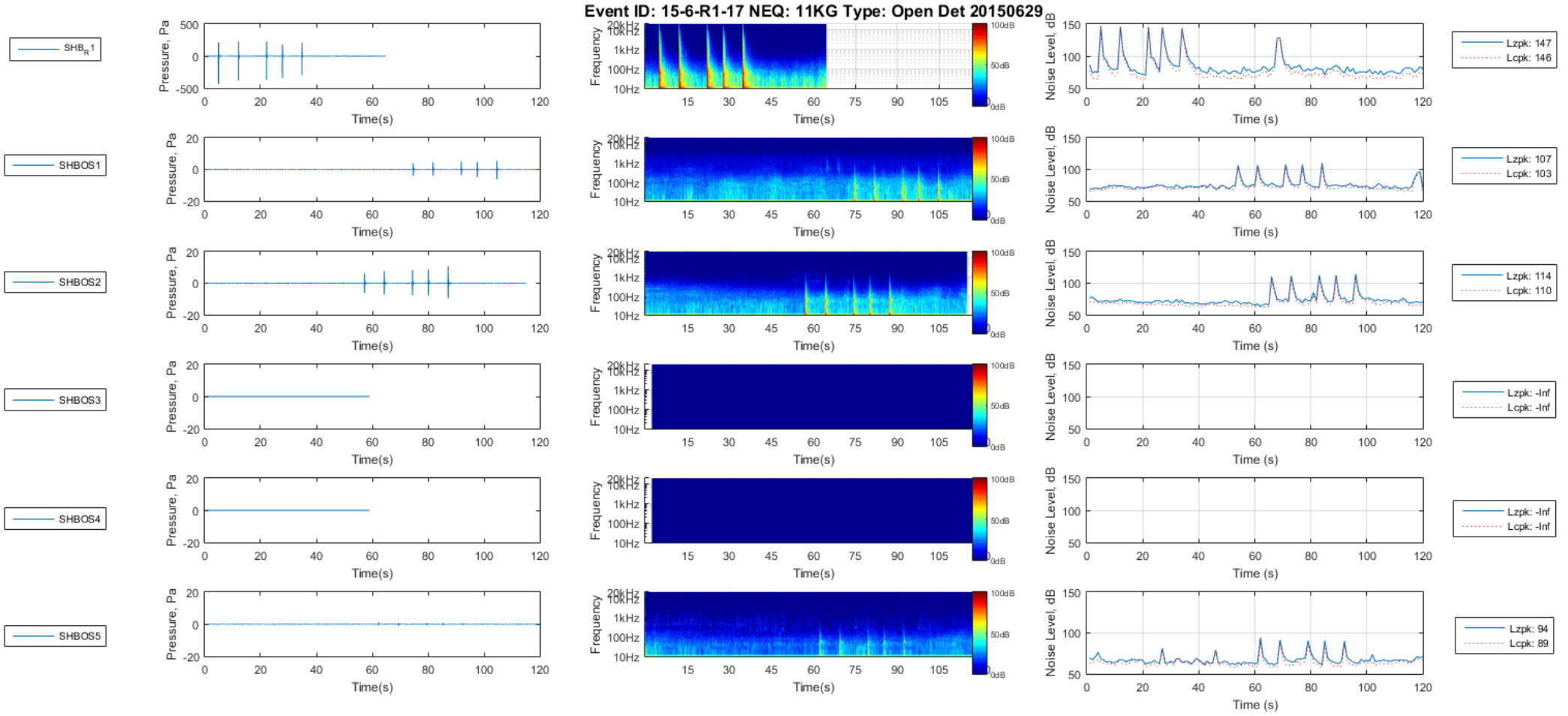


FIGURE 2.6: SHB_OS 1 - 5 15-6-R1-17

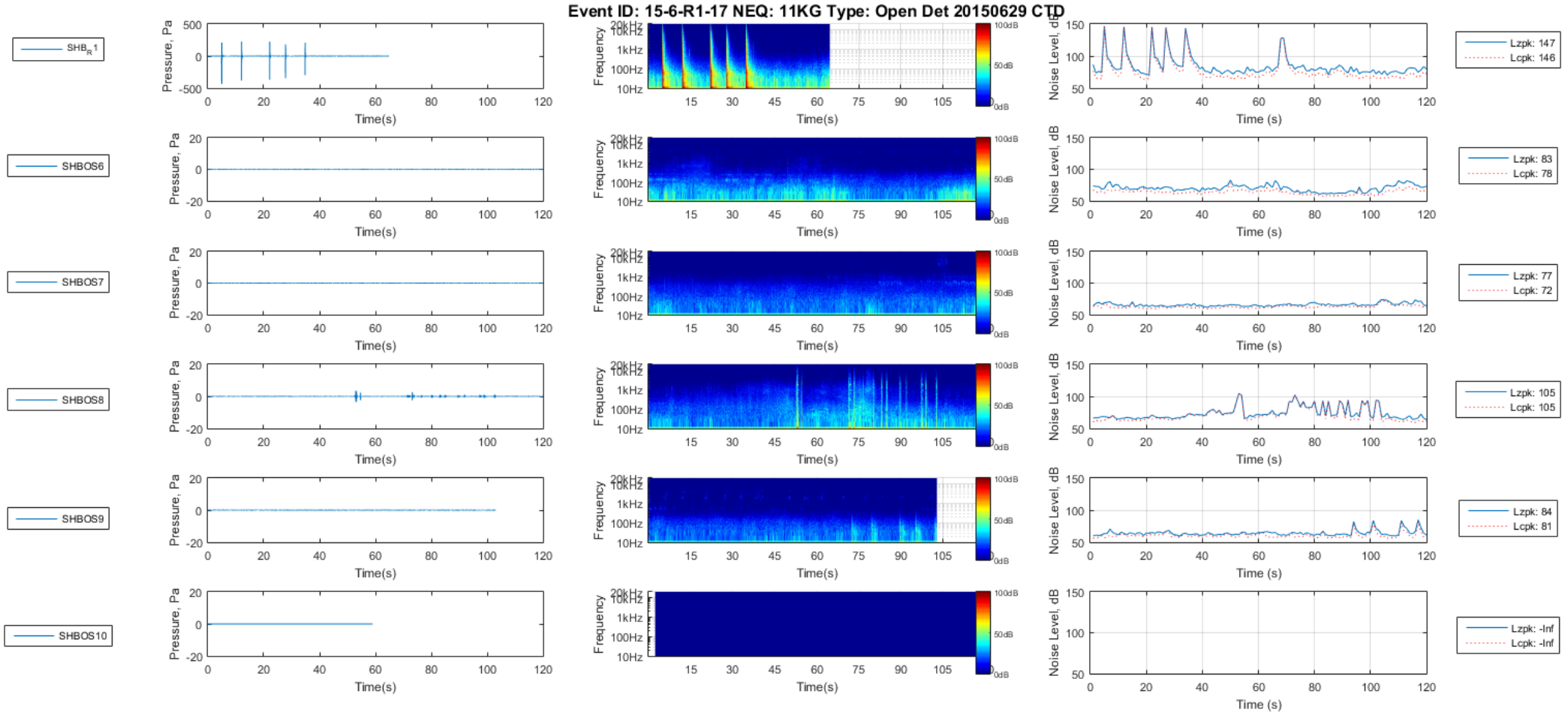


FIGURE 2.7: SHB_OS 6 - 10 15-6-R1-17

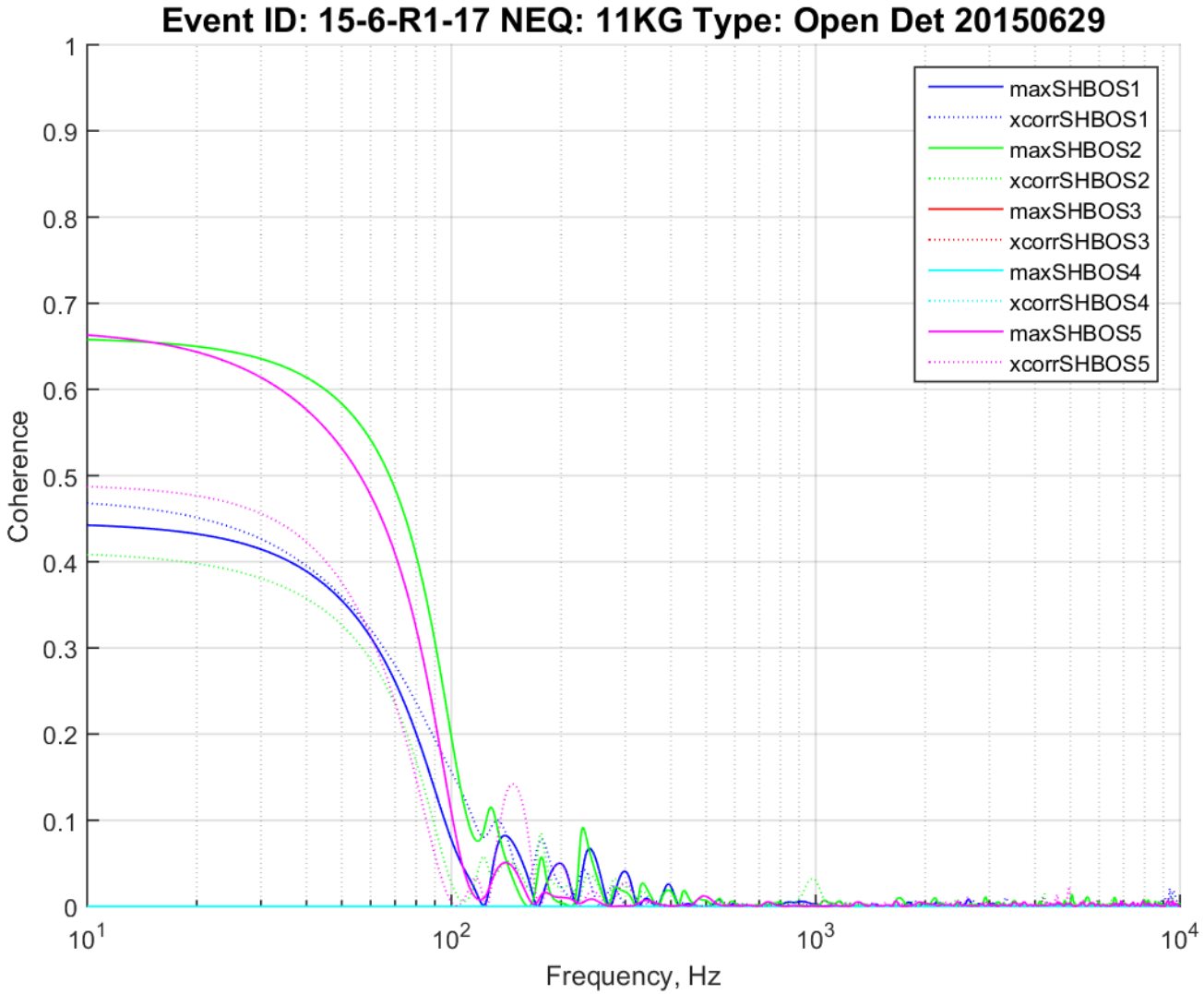


FIGURE 2.8: COHERENCE SHB_OS 1 - 5 15-6-R1-17

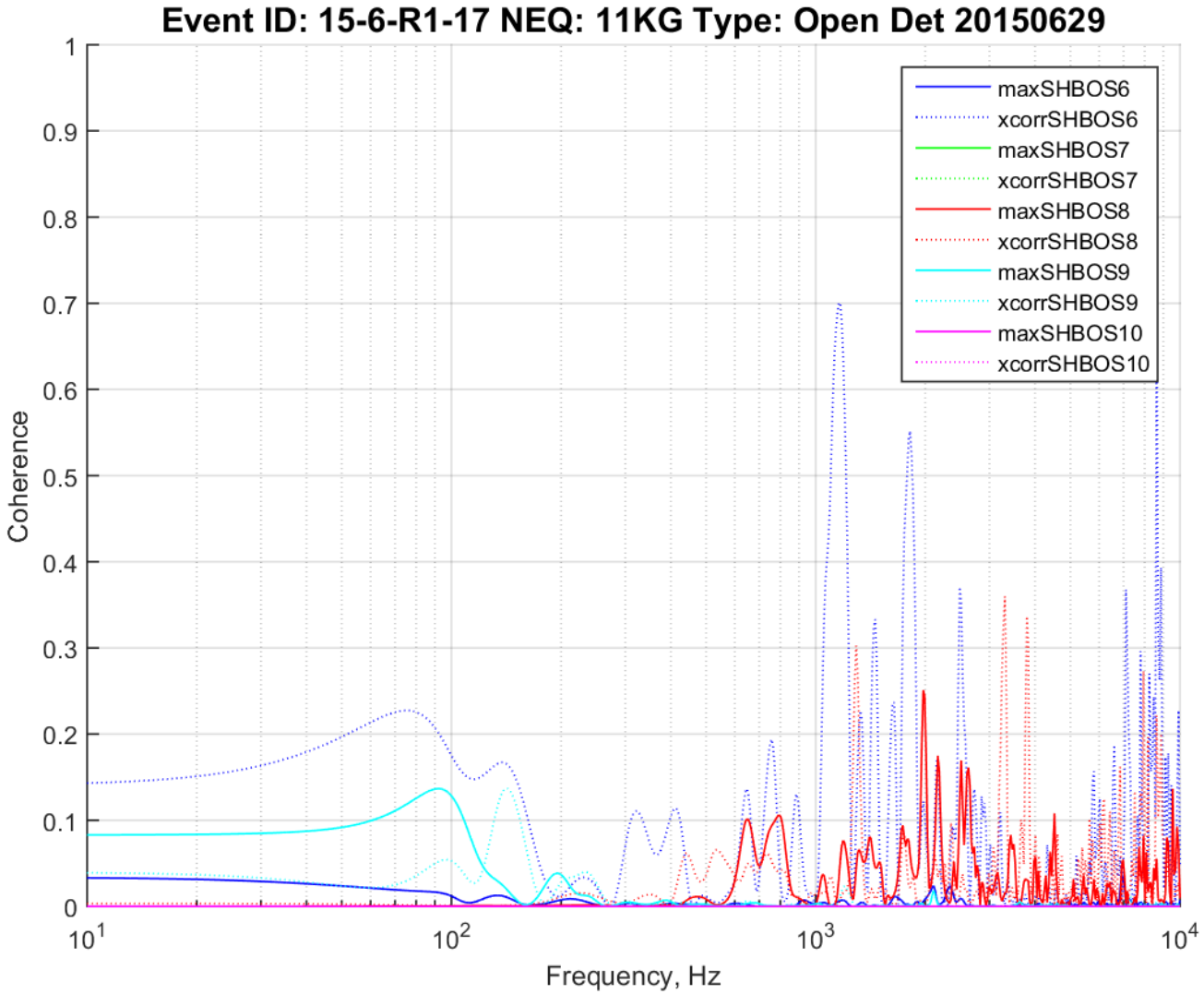


FIGURE 2.9: COHERENCE SHB_OS 6 - 10 15-6-R1-17CTD

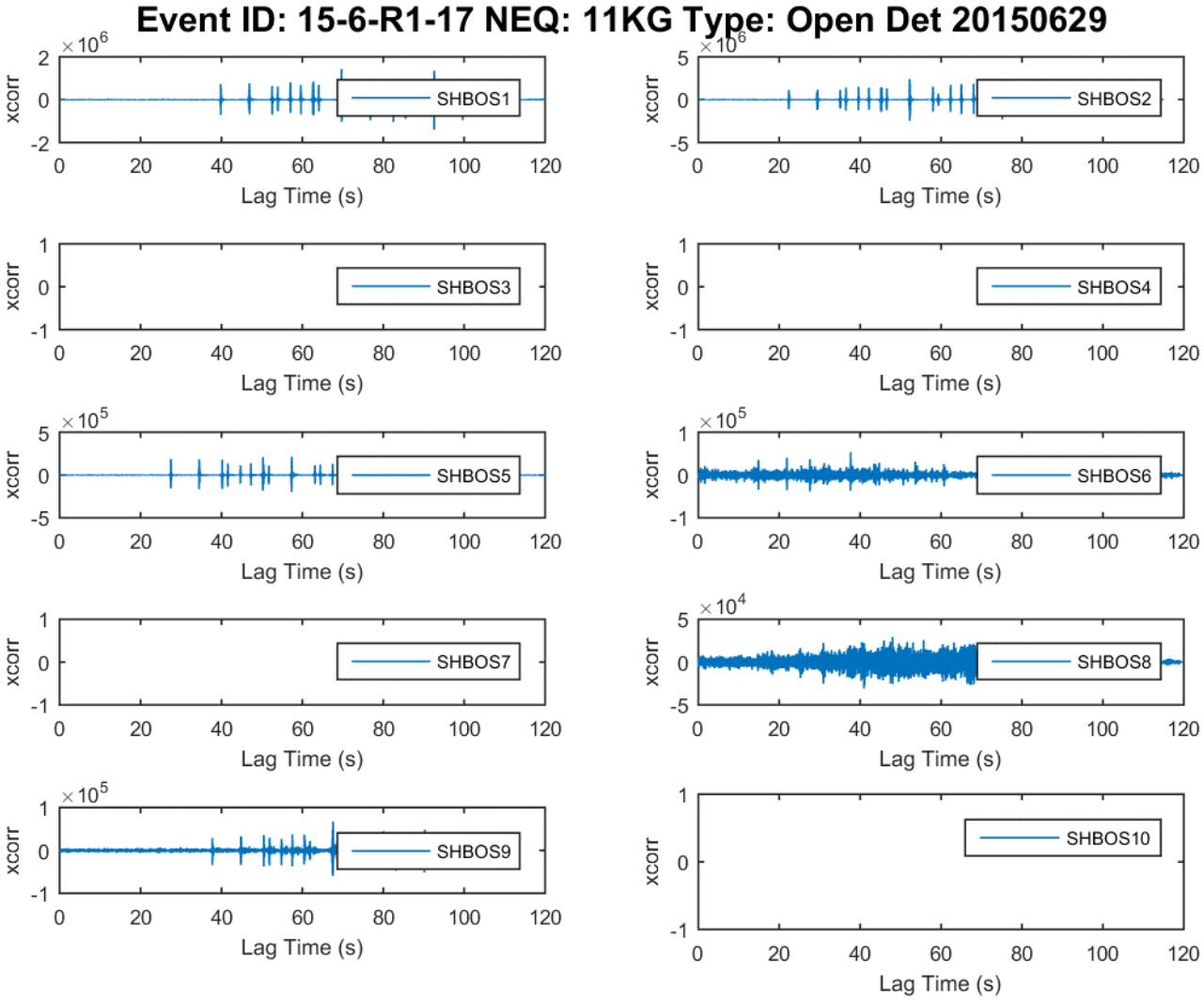


FIGURE 2.10: CROSS CORRELATION SHB_OS 1 - 10 15-6-R1-17

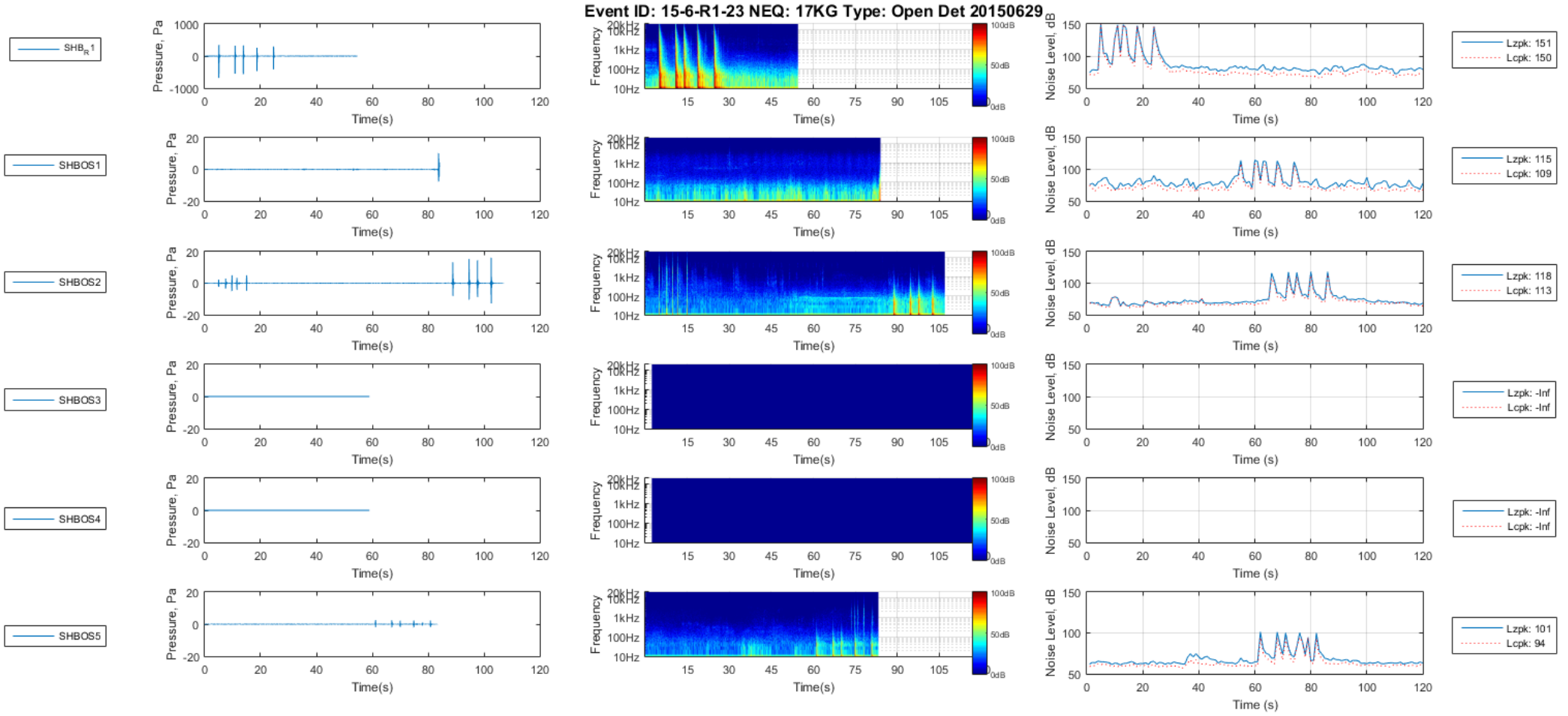


FIGURE 2.11: SHB_OS 1 - 5 15-6-R1-23

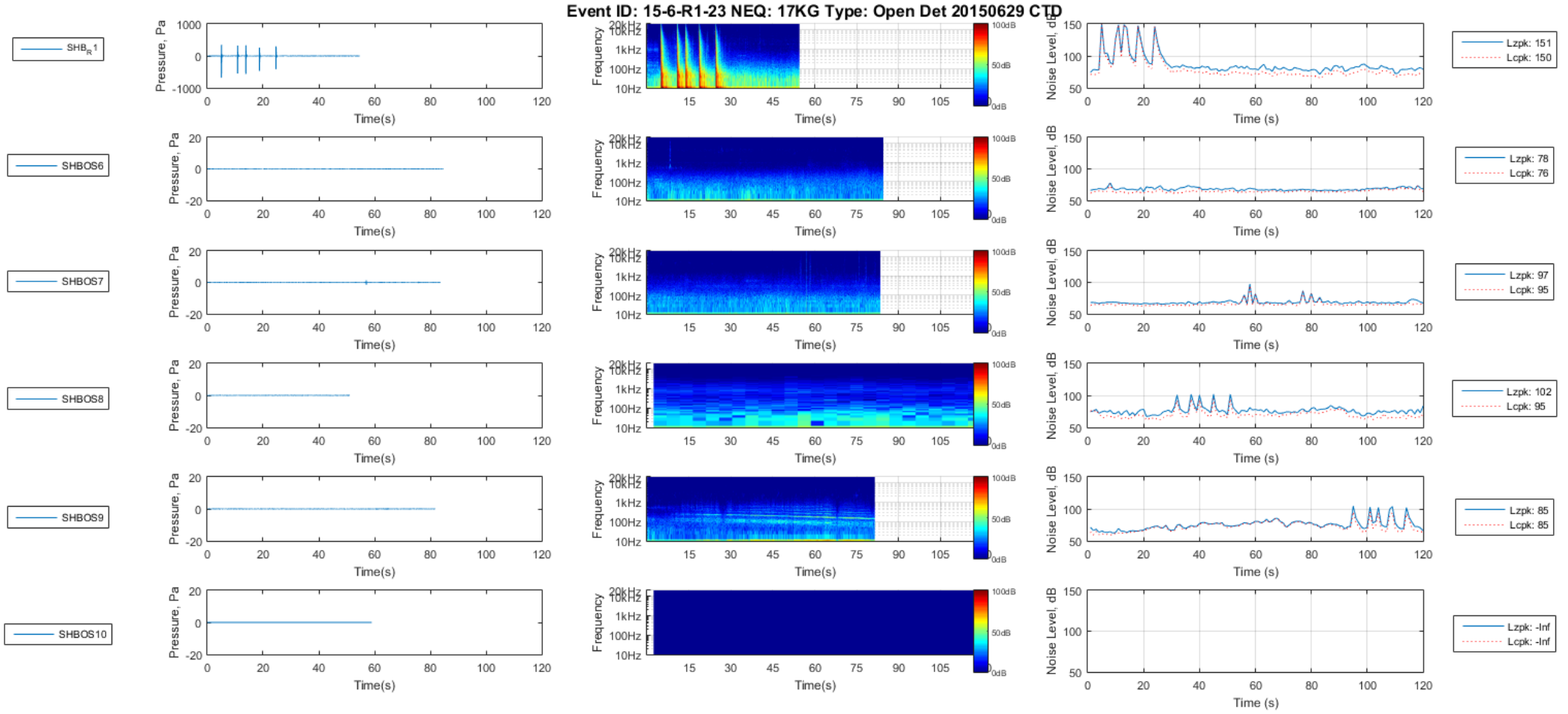


FIGURE 2.12: SHB_OS 6 - 10 15-6-R1-23

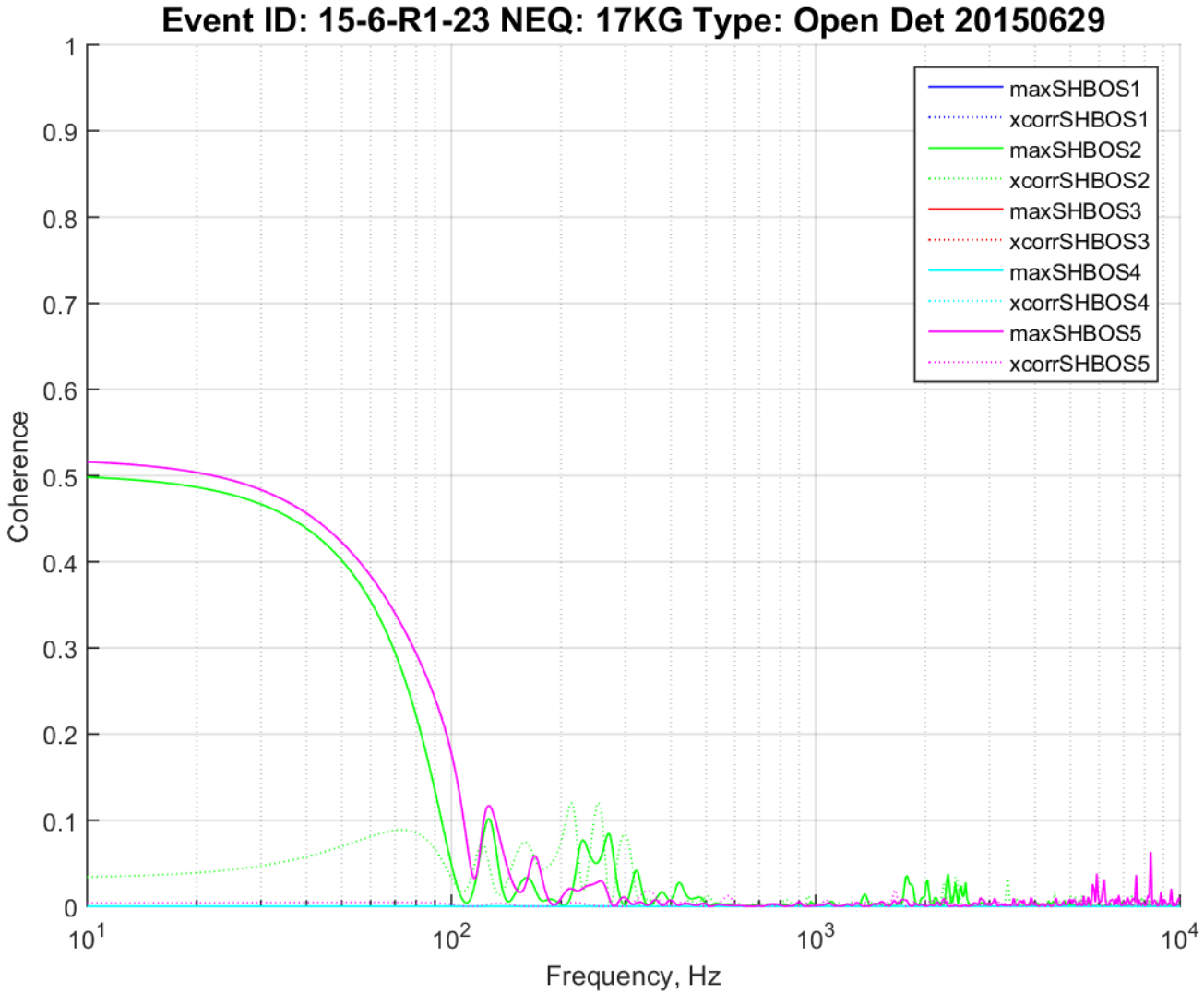


FIGURE 2.13: COHERENCE SHB_OS 1 - 5 15-6-R1-23

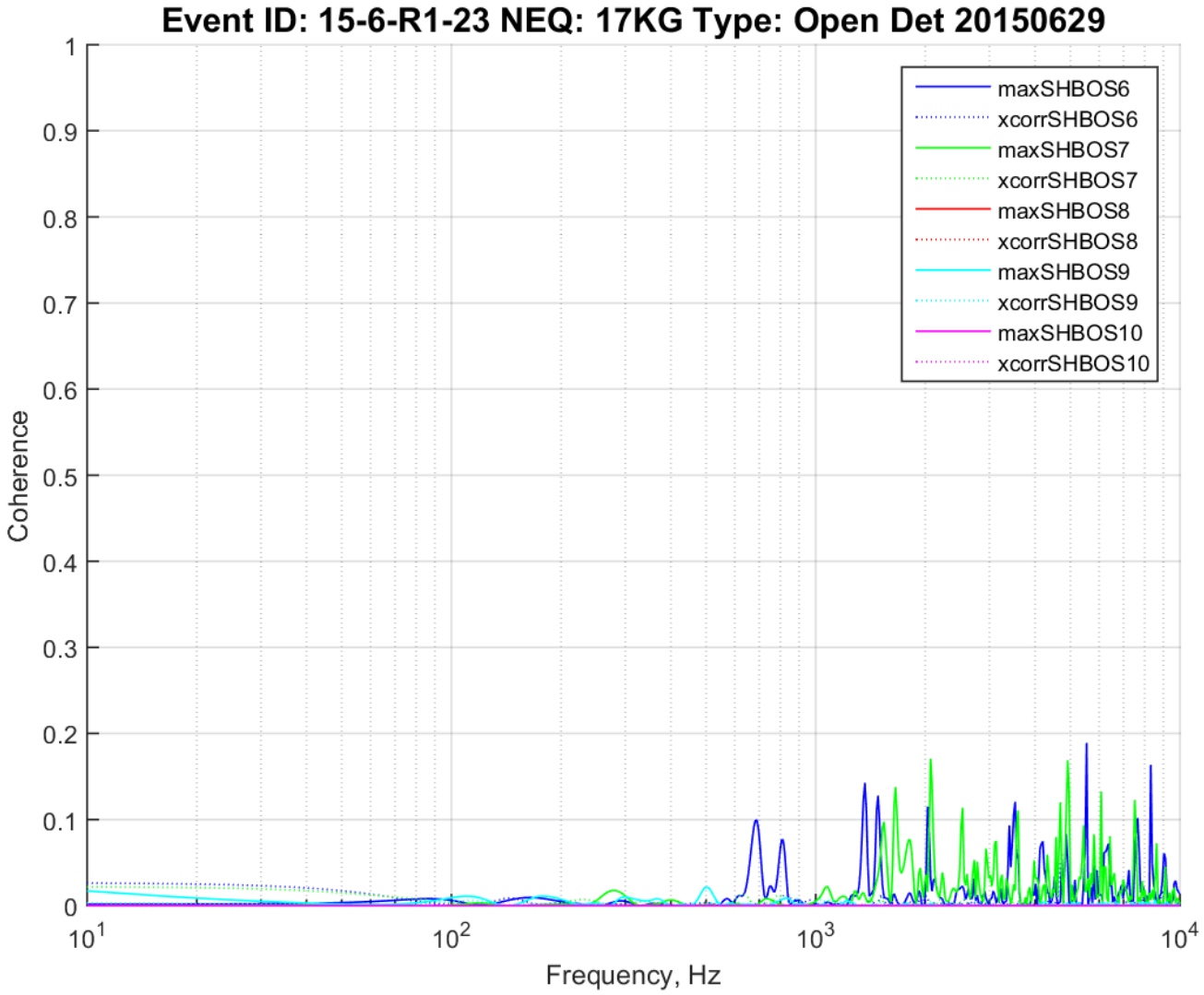


FIGURE 2.14: COHERENCE SHB_OS 6 - 10 15-6-R1-23CTD

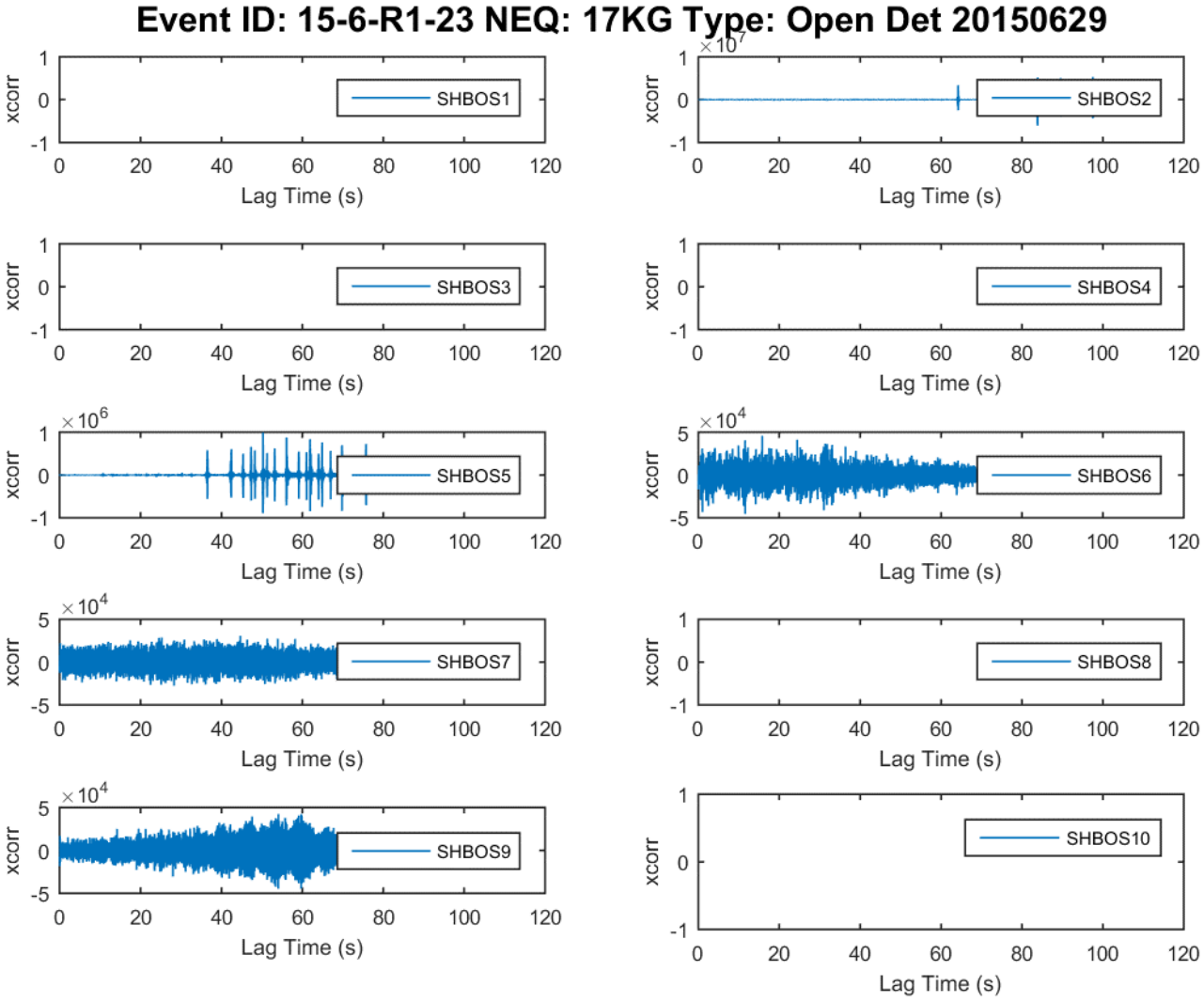


FIGURE 2.15: CROSS CORRELATION SHB_OS 1 - 10 15-6-R1-23

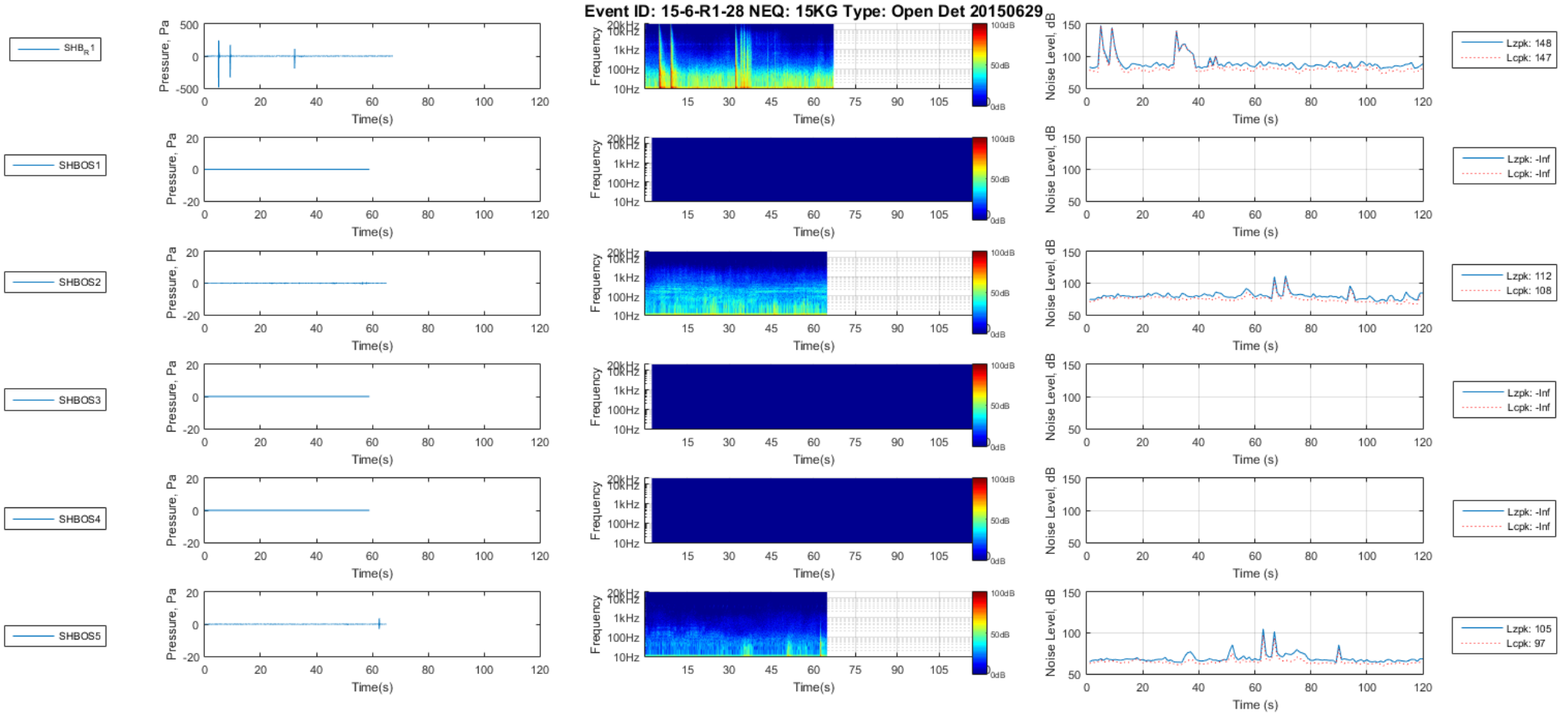


FIGURE 2.16: SHB_OS 1 - 5 15-6-R1-28

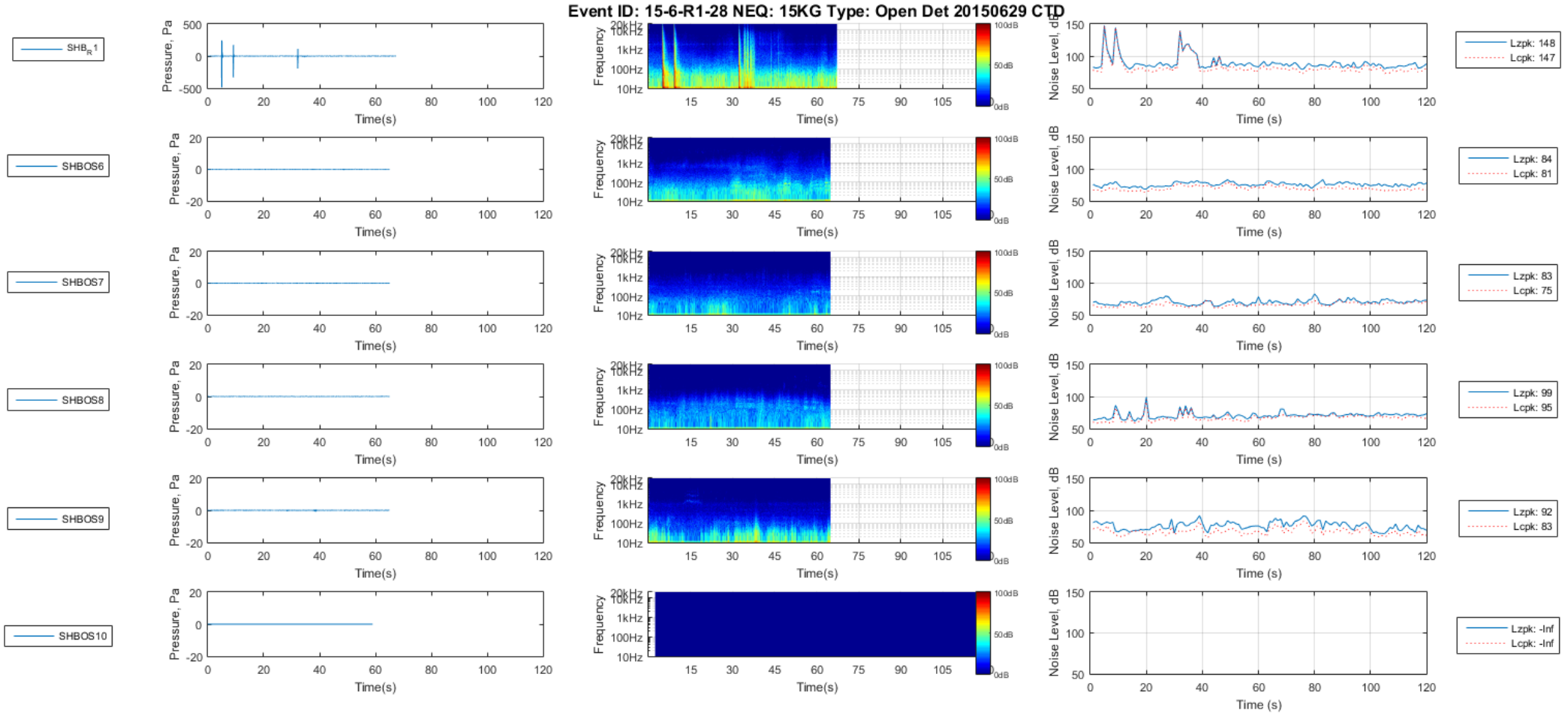


FIGURE 2.17: SHB_OS 6 - 10 15-6-R1-28

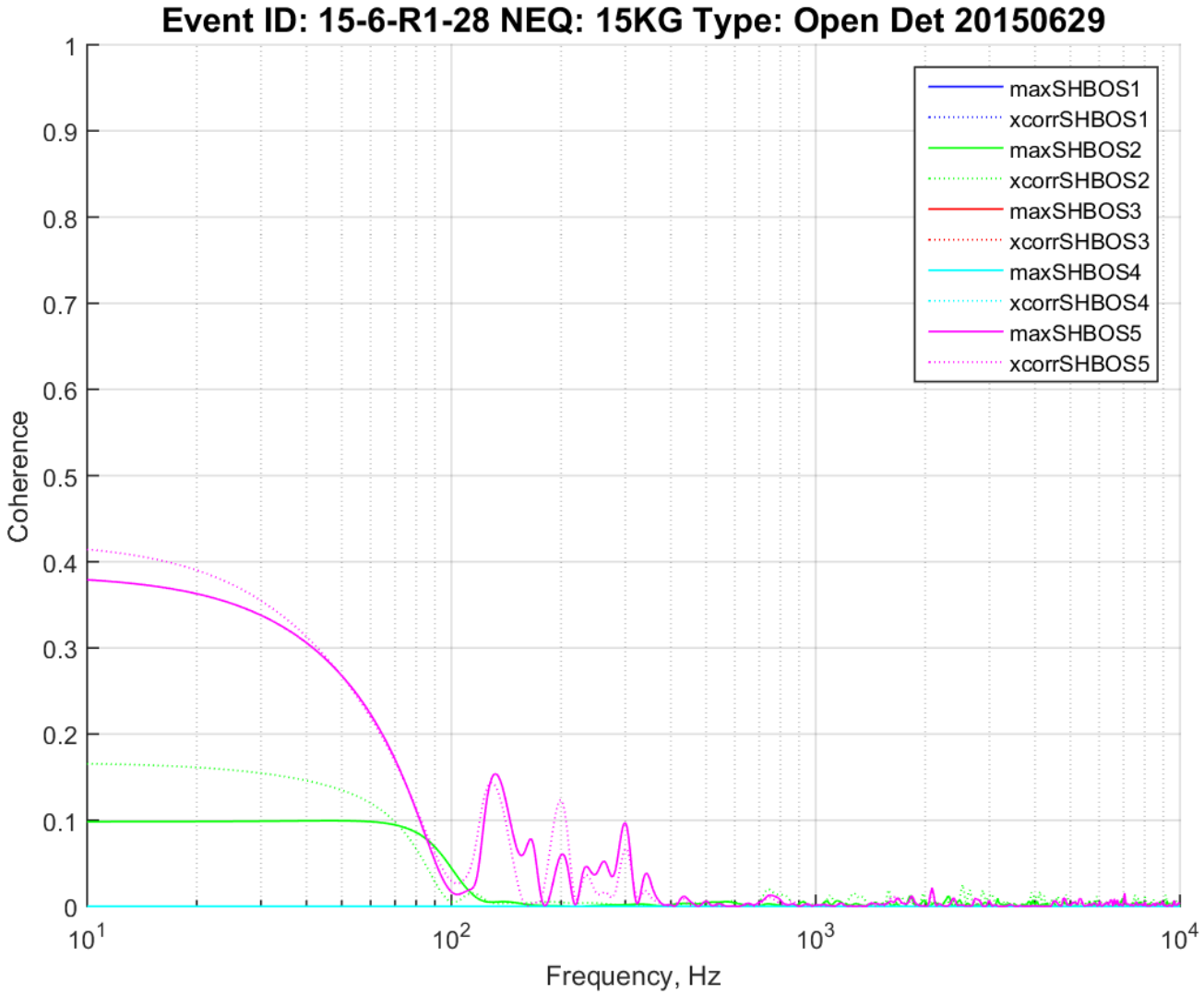


FIGURE 2.18: COHERENCE SHB_OS 1 - 5 15-6-R1-28

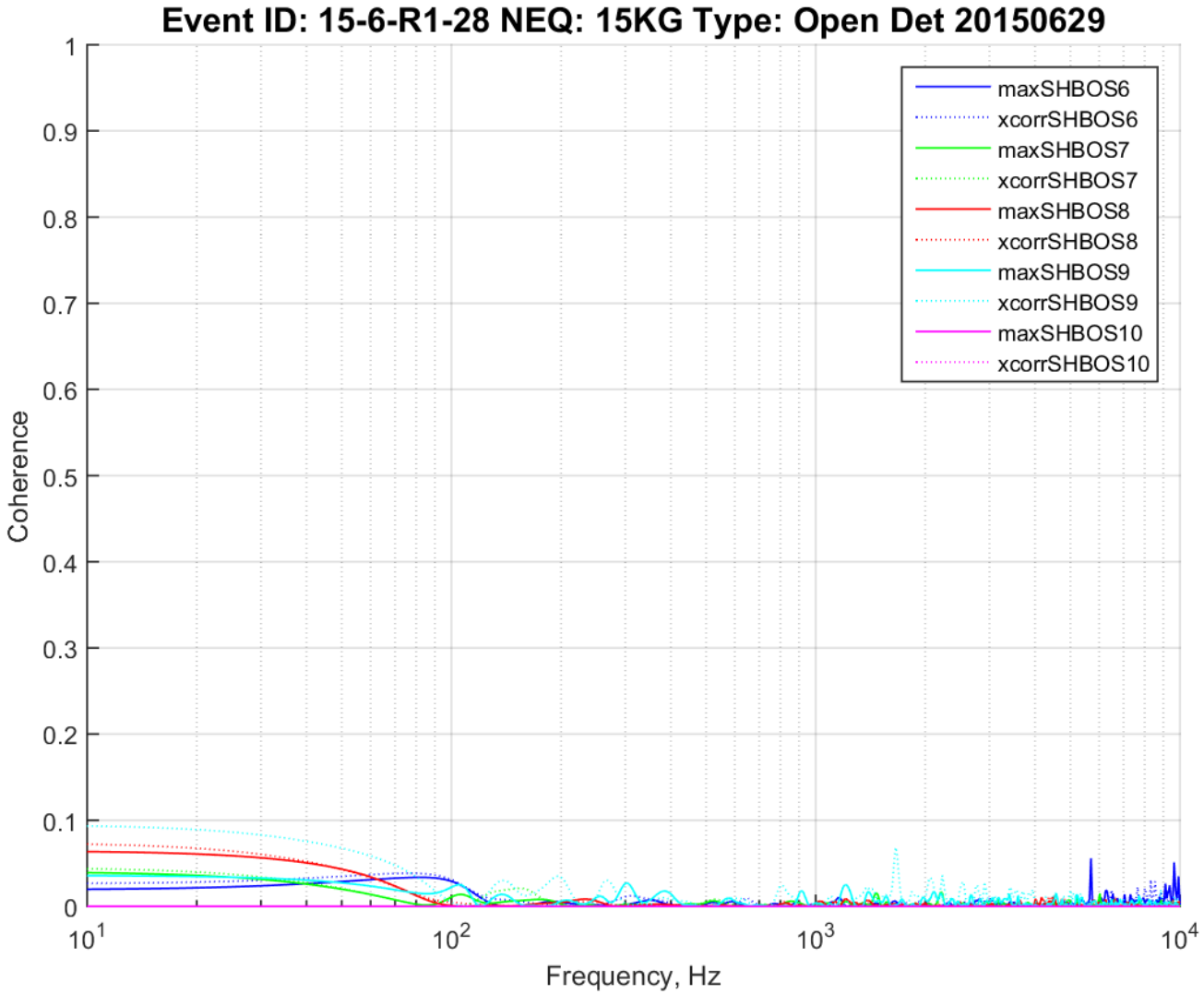


FIGURE 2.19: COHERENCE SHB_OS 6 - 10 15-6-R1-28CTD

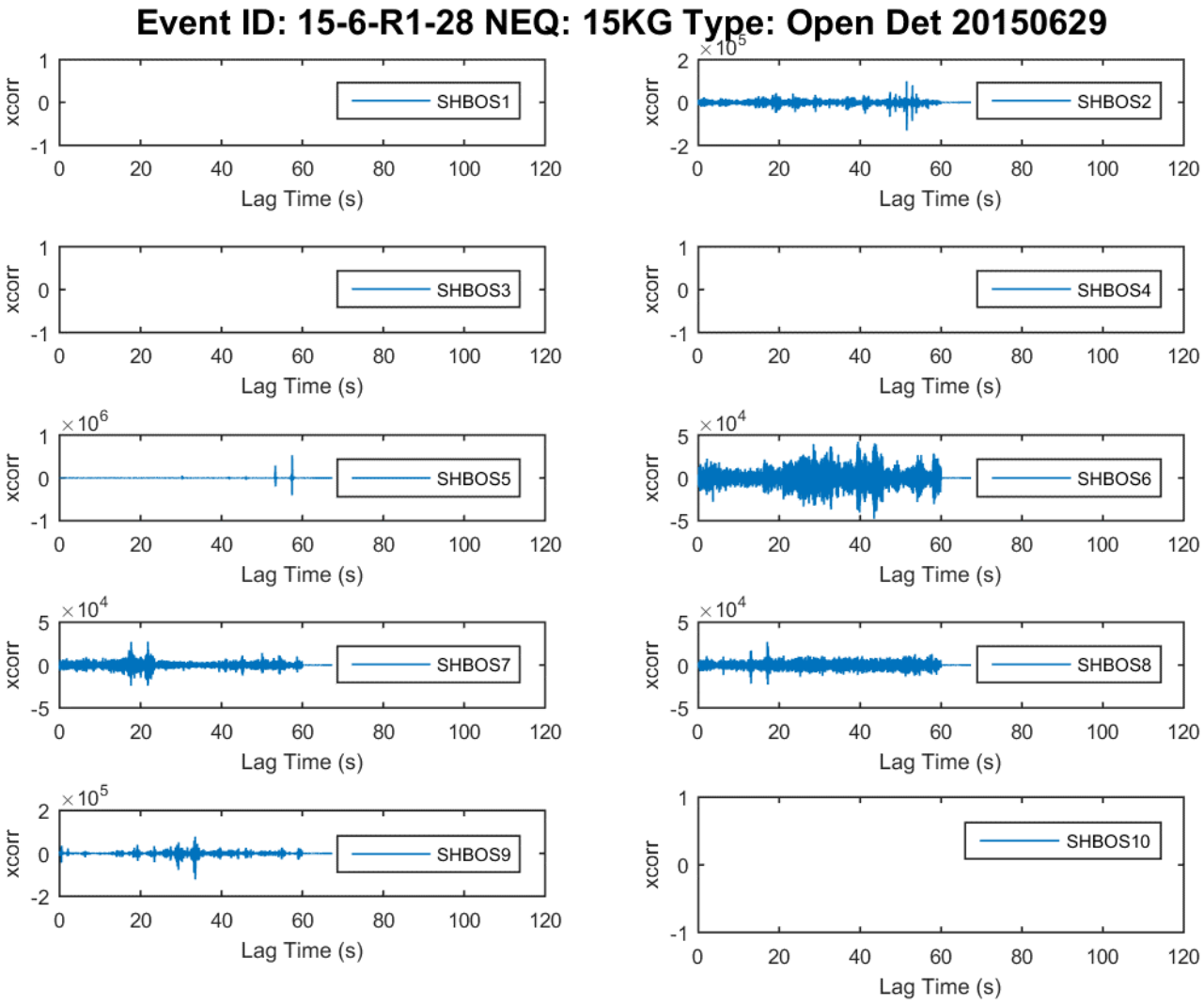


FIGURE 2.20: CROSS CORRELATION SHB_OS 1 - 10 15-6-R1-28

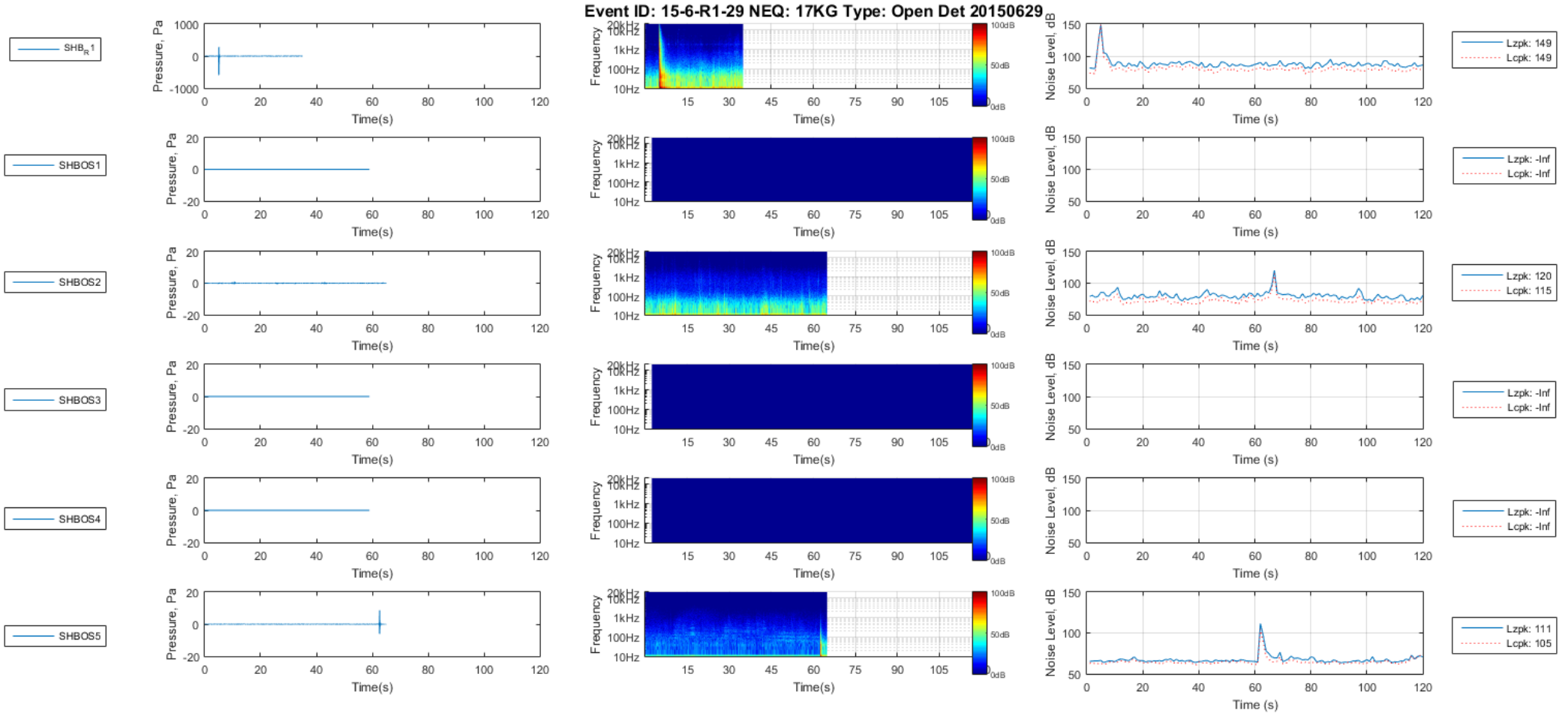


FIGURE 2.21: SHB_OS 1 - 5 15-6-R1-29

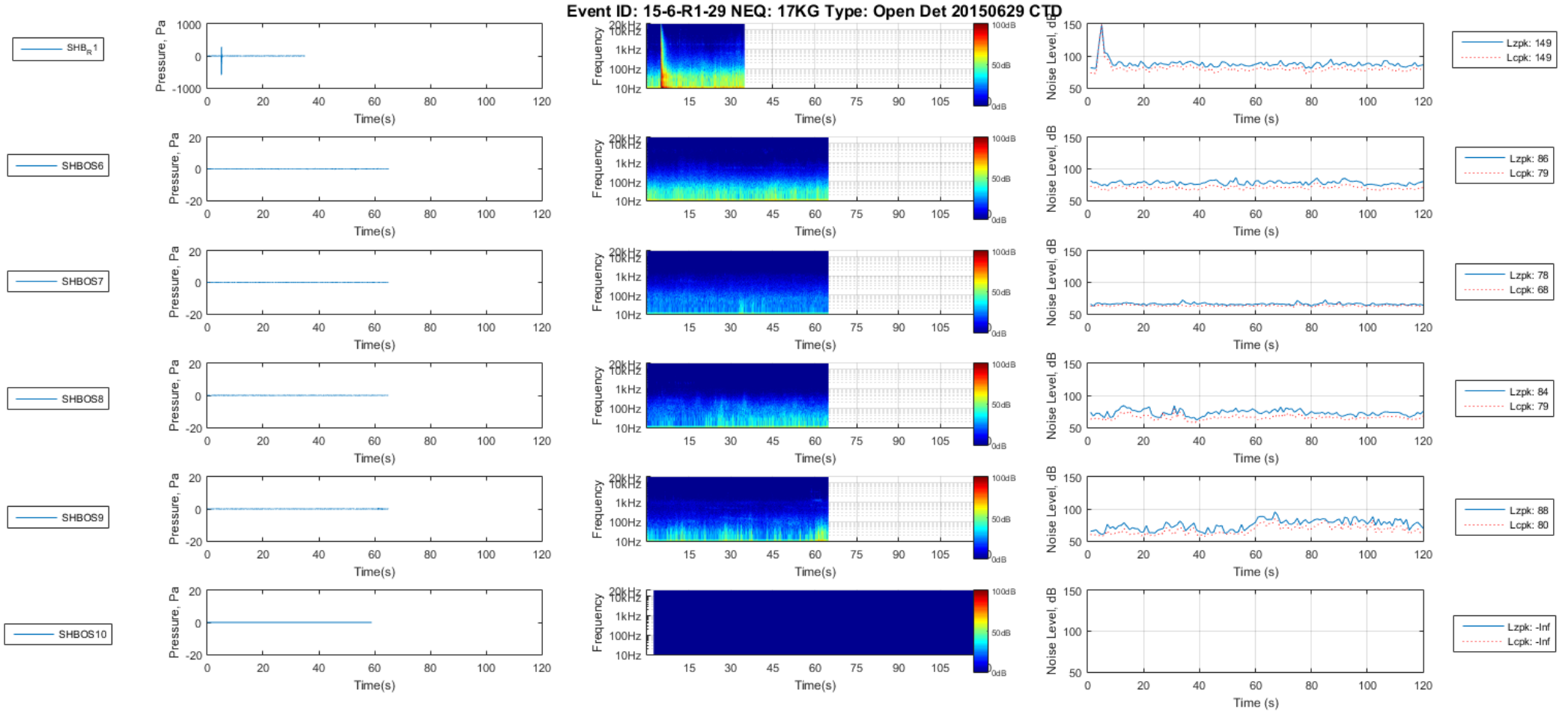


FIGURE 2.22: SHB_OS 6 - 10 15-6-R1-29

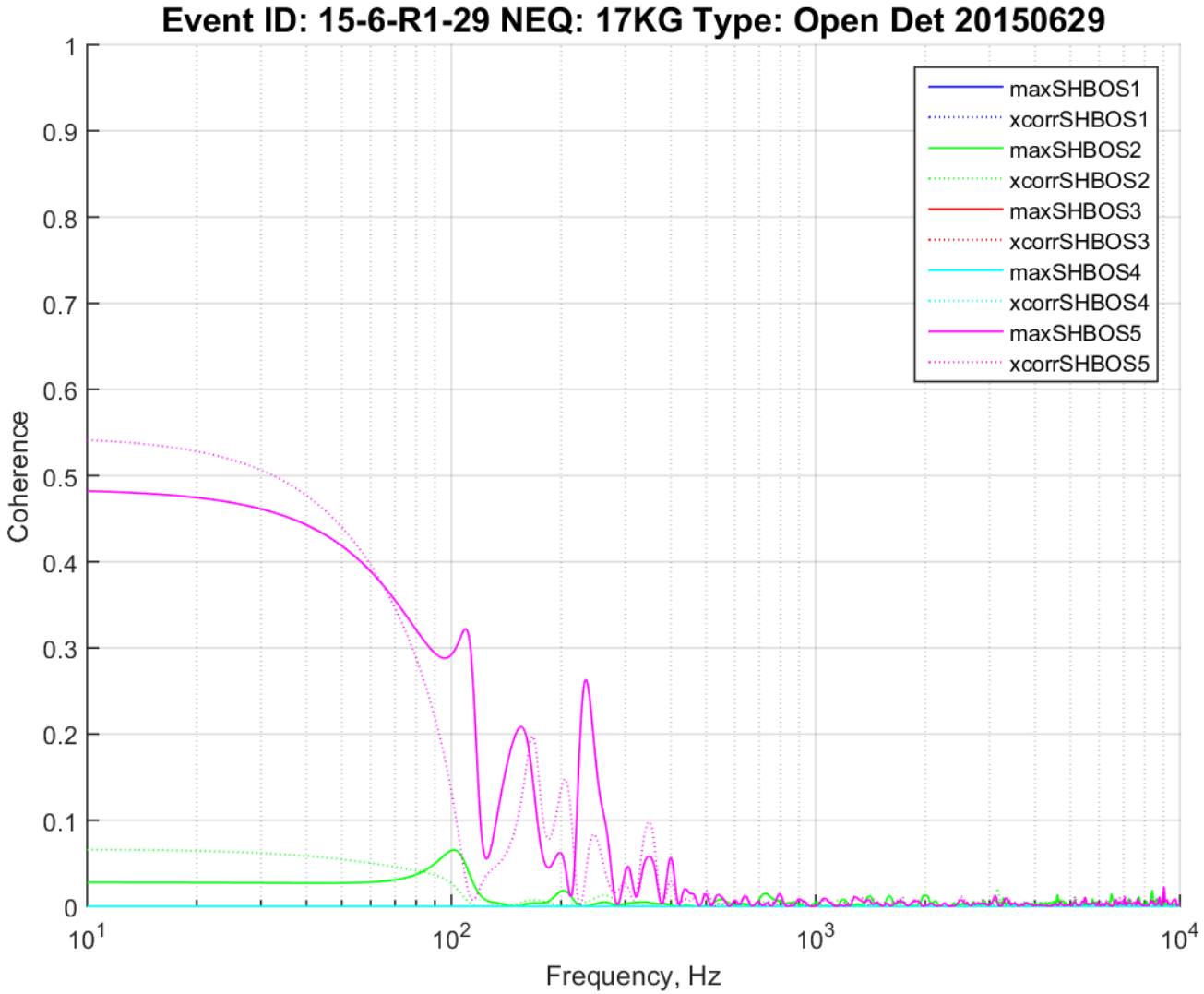


FIGURE 2.23: COHERENCE SHB_OS 1 - 5 15-6-R1-29

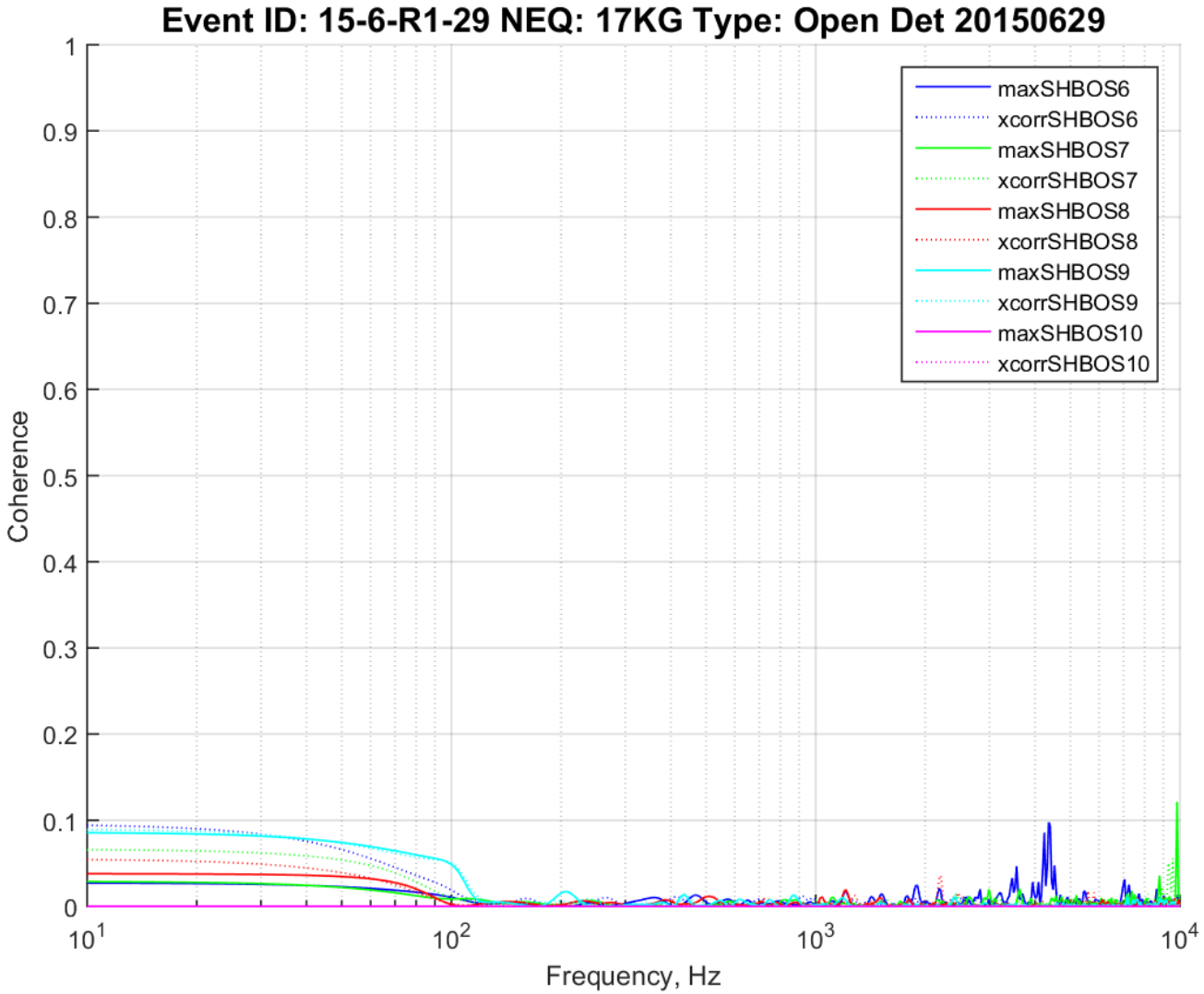


FIGURE 2.24: COHERENCE SHB_OS 6 - 10 15-6-R1-29CTD

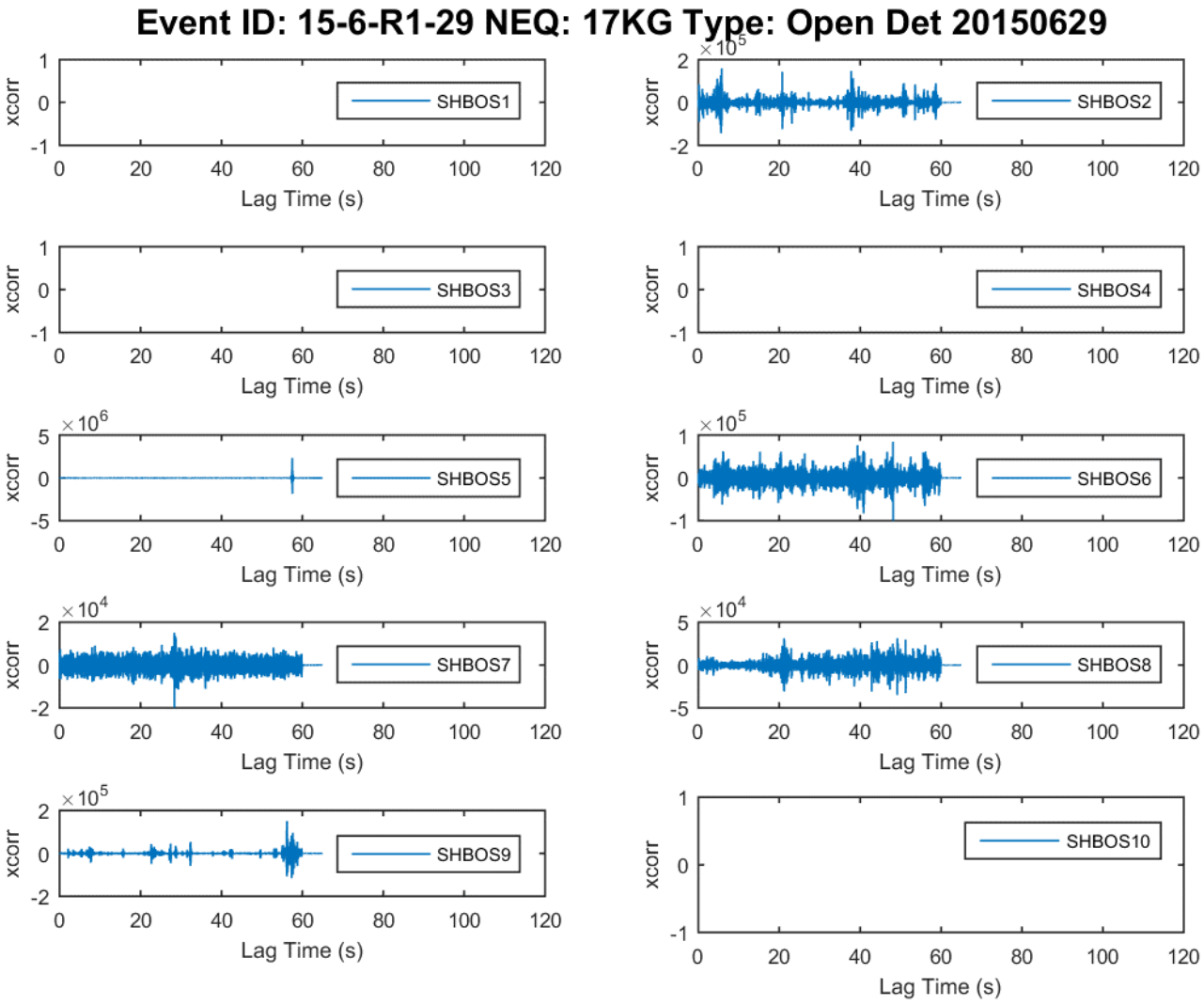


FIGURE 2.25: CROSS CORRELATION SHB_OS 1 - 10 15-6-R1-29

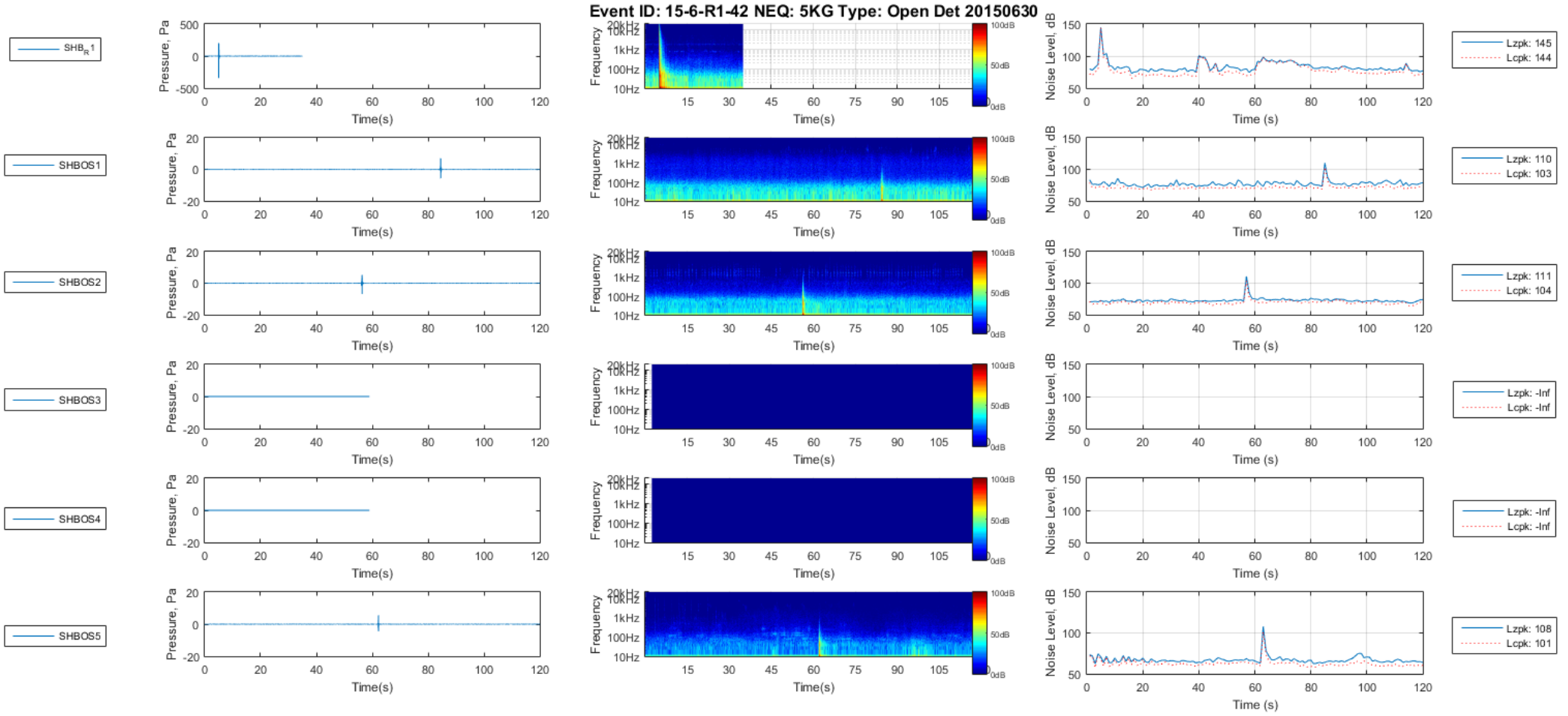


FIGURE 2.26: SHB_OS 1 - 5 15-6-R1-42

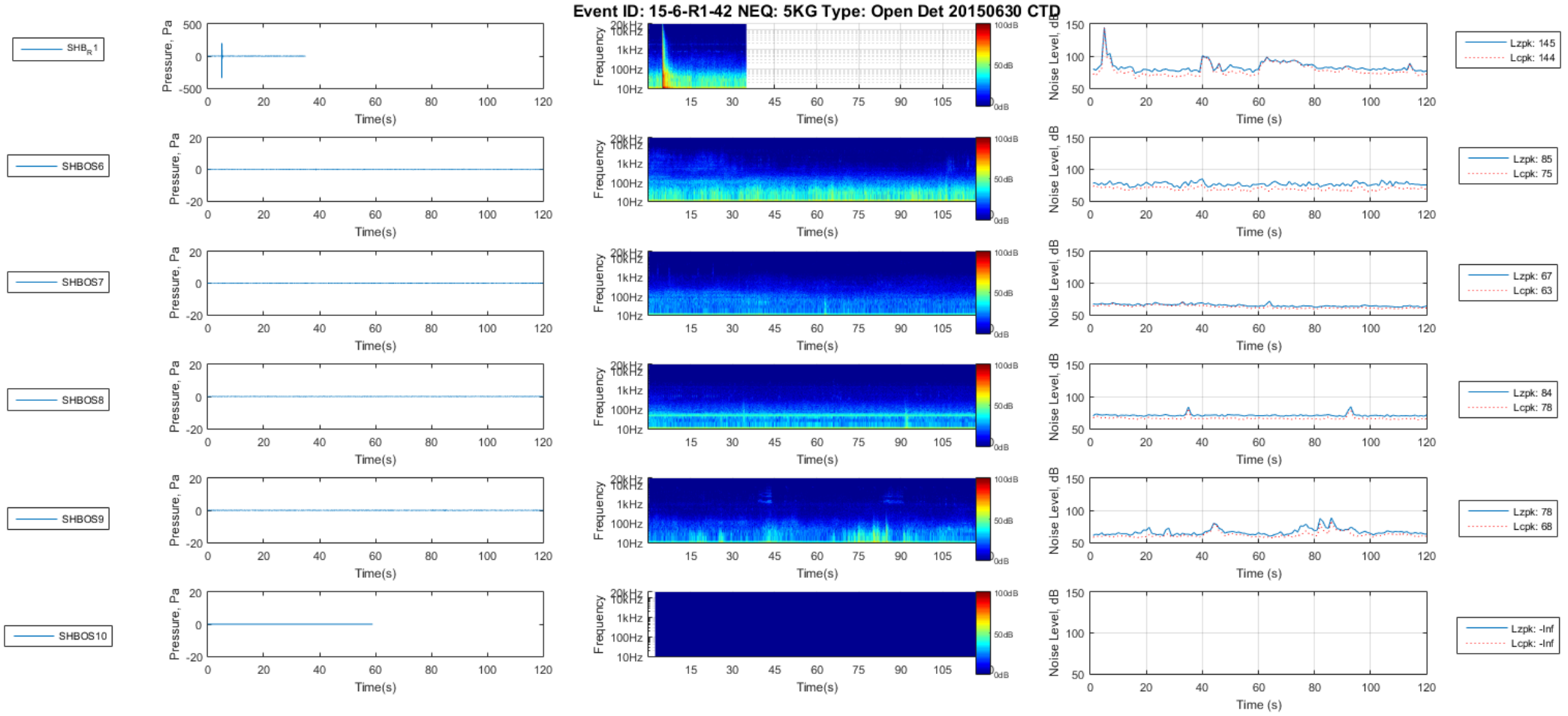


FIGURE 2.27: SHB_OS 6 - 10 15-6-R1-42

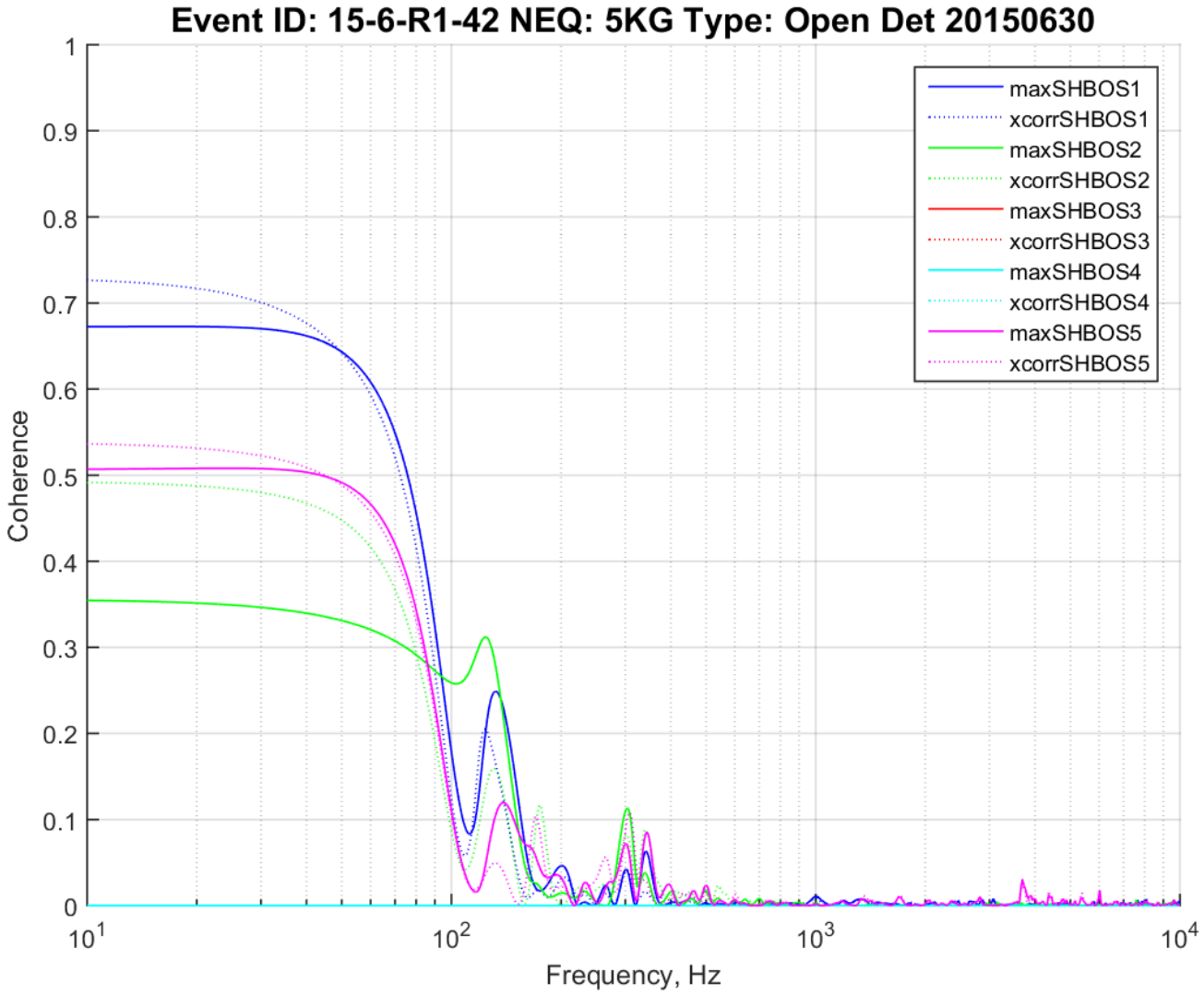


FIGURE 2.28: COHERENCE SHB_OS 1 - 5 15-6-R1-42

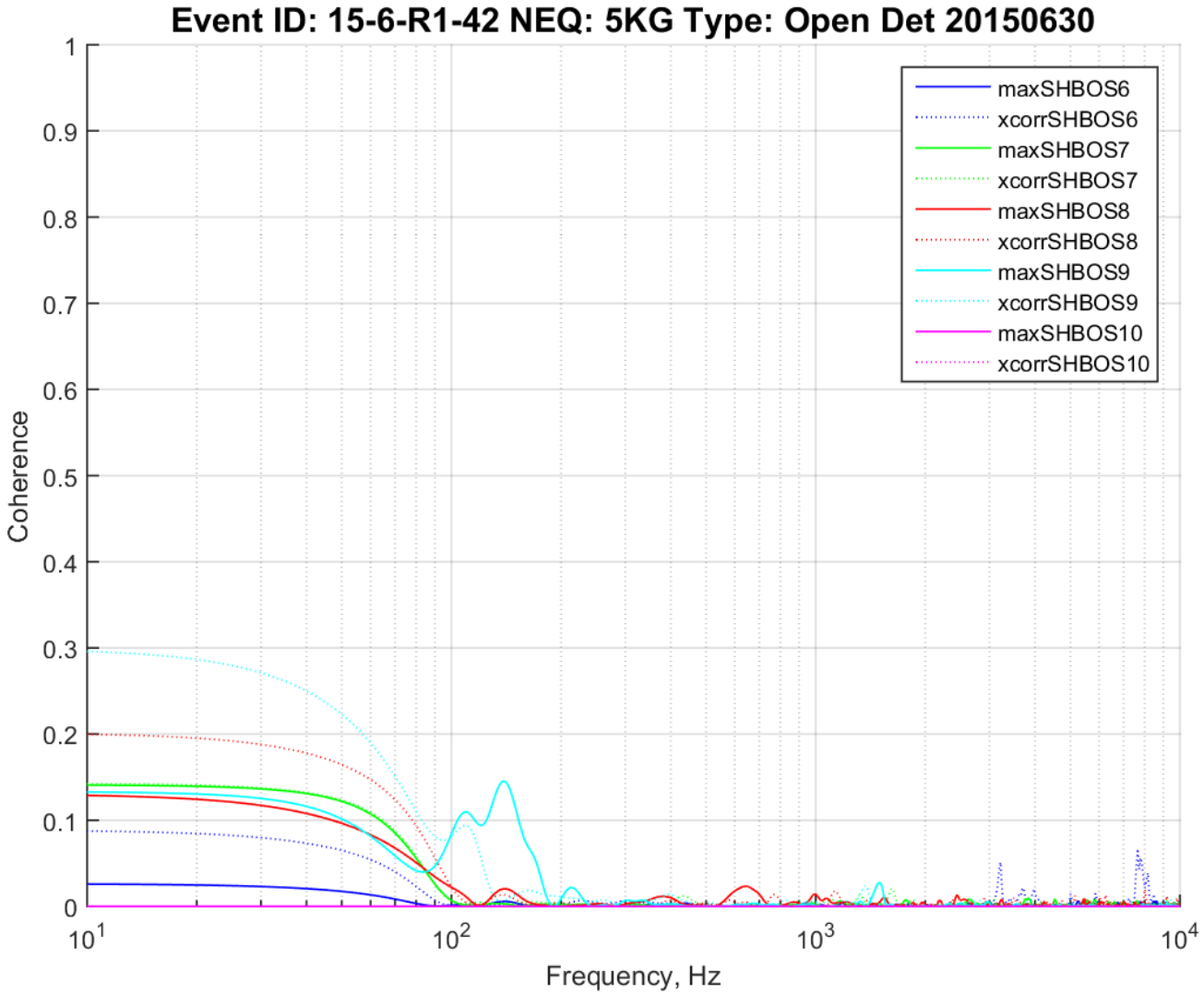


FIGURE 2.29: COHERENCE SHB_OS 6 - 10 15-6-R1-42CTD

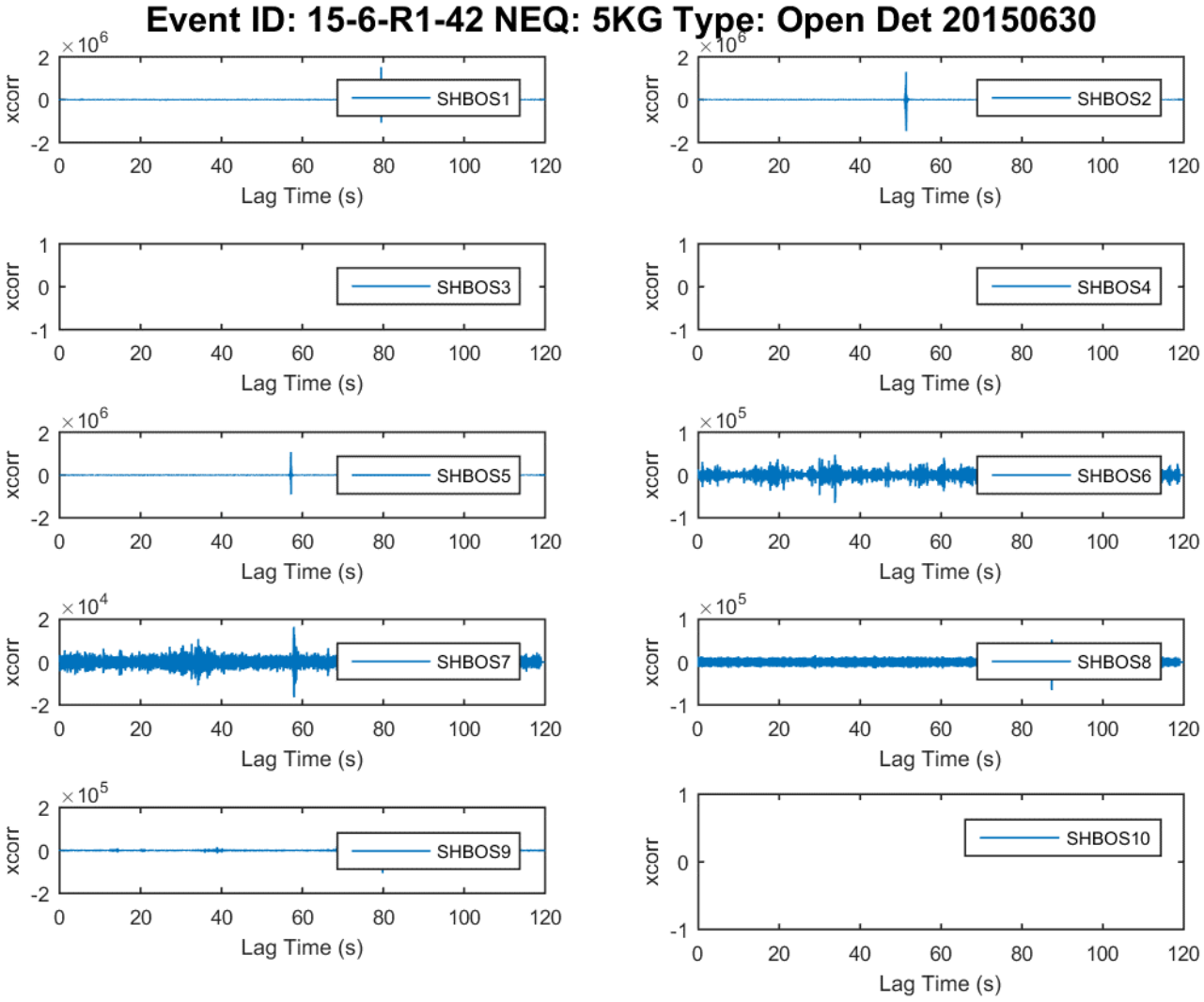


FIGURE 2.30: CROSS CORRELATION SHB_OS 1 - 10 15-6-R1-42

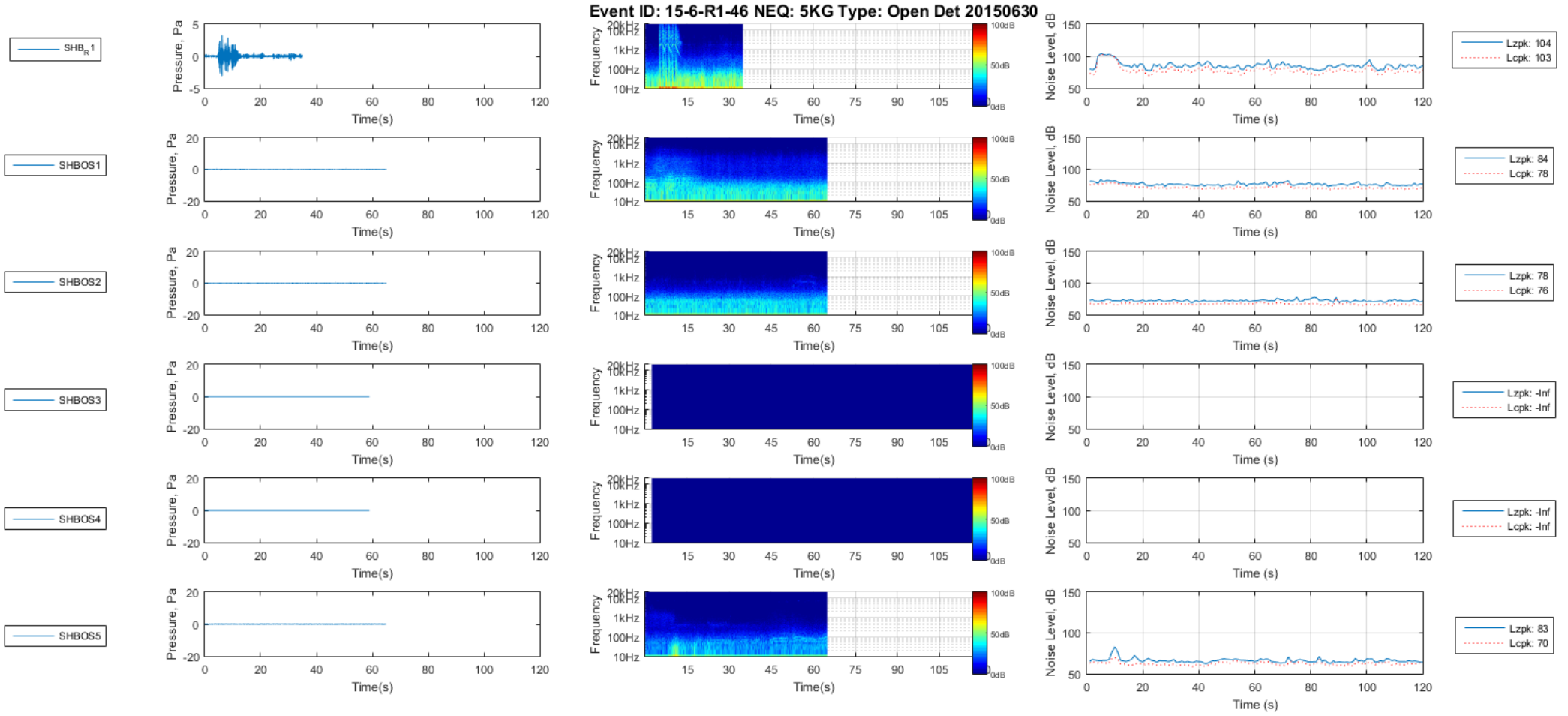


FIGURE 2.31: SHB_OS 1 - 5 15-6-R1-46

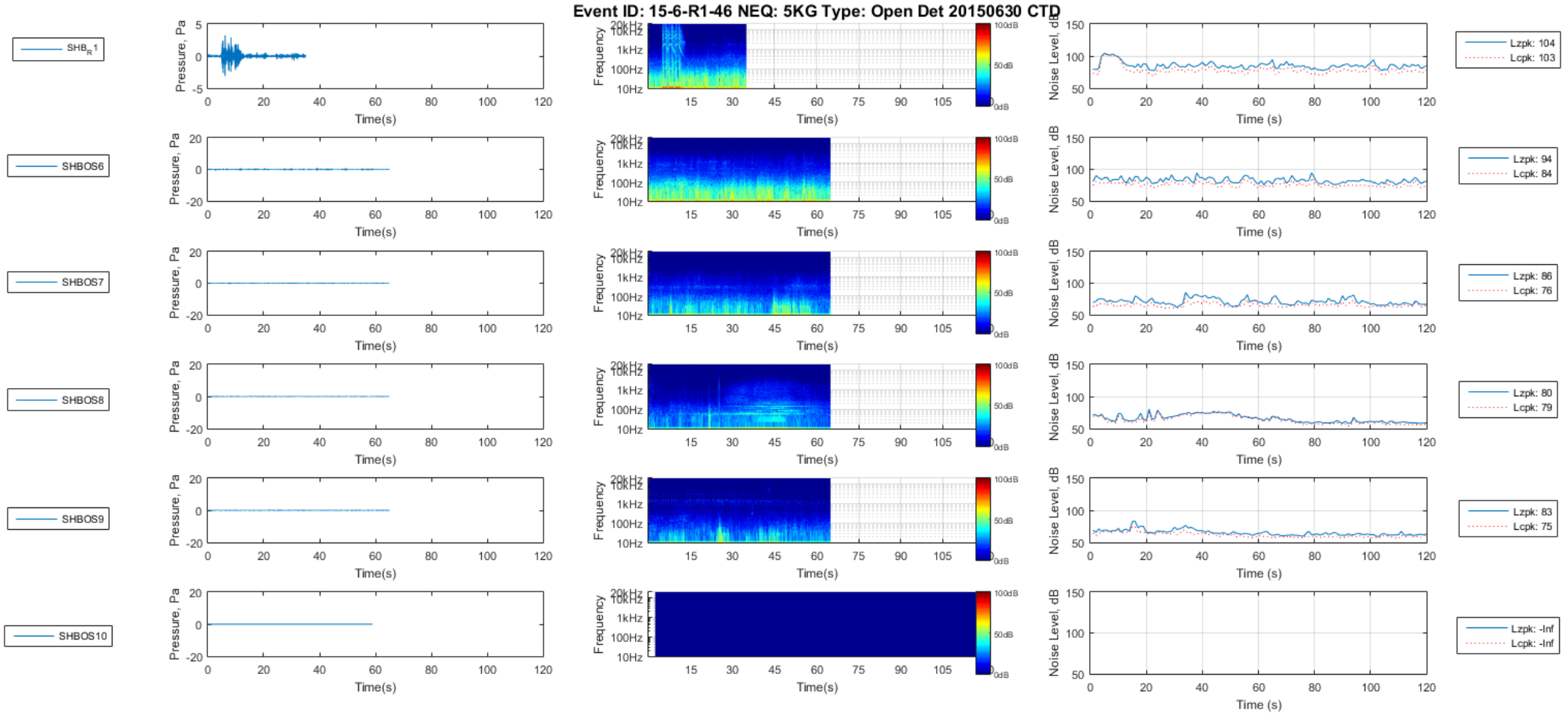


FIGURE 2.32: SHB_OS 6 - 10 15-6-R1-46

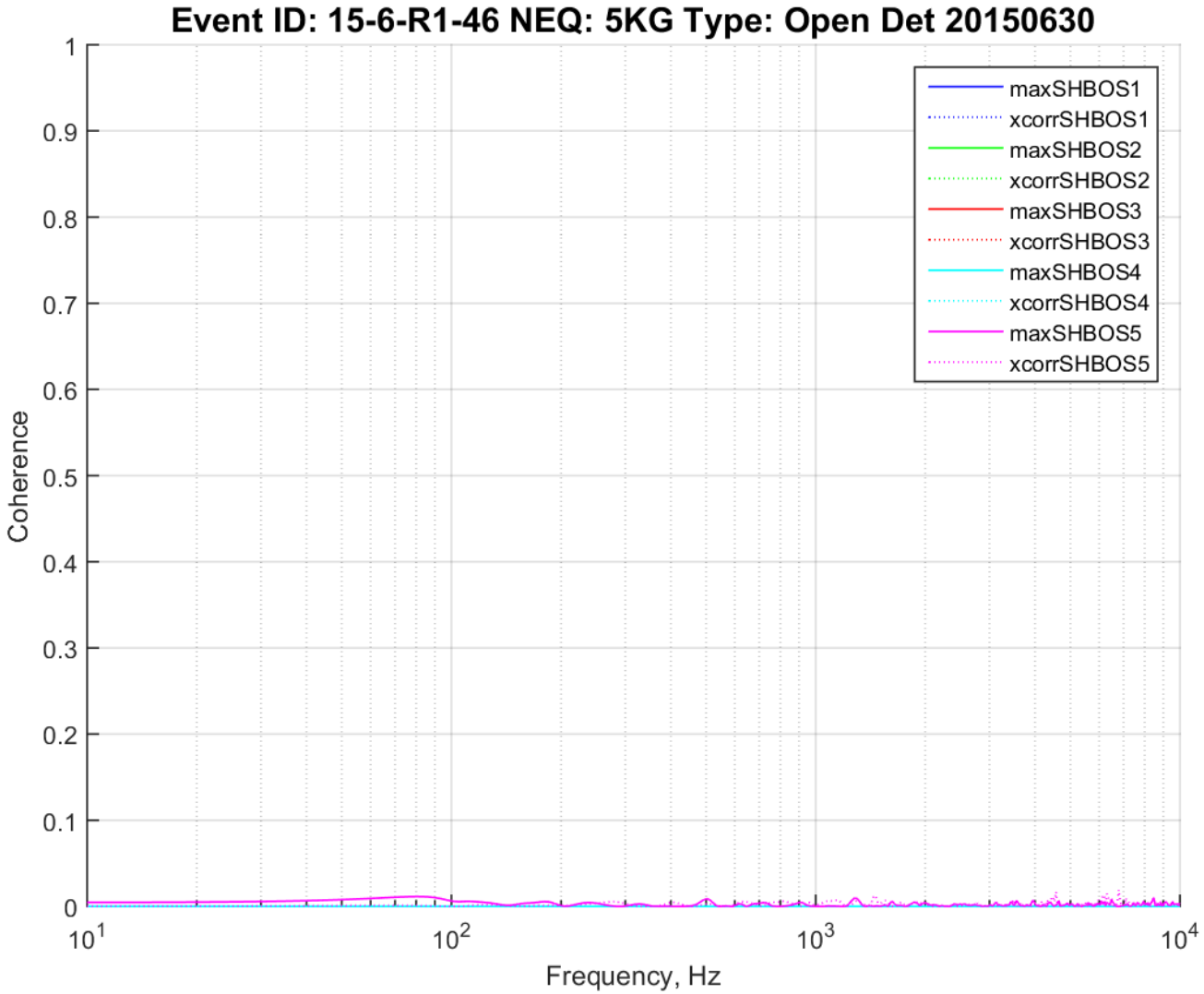


FIGURE 2.33: COHERENCE SHB_OS 1 - 5 15-6-R1-46

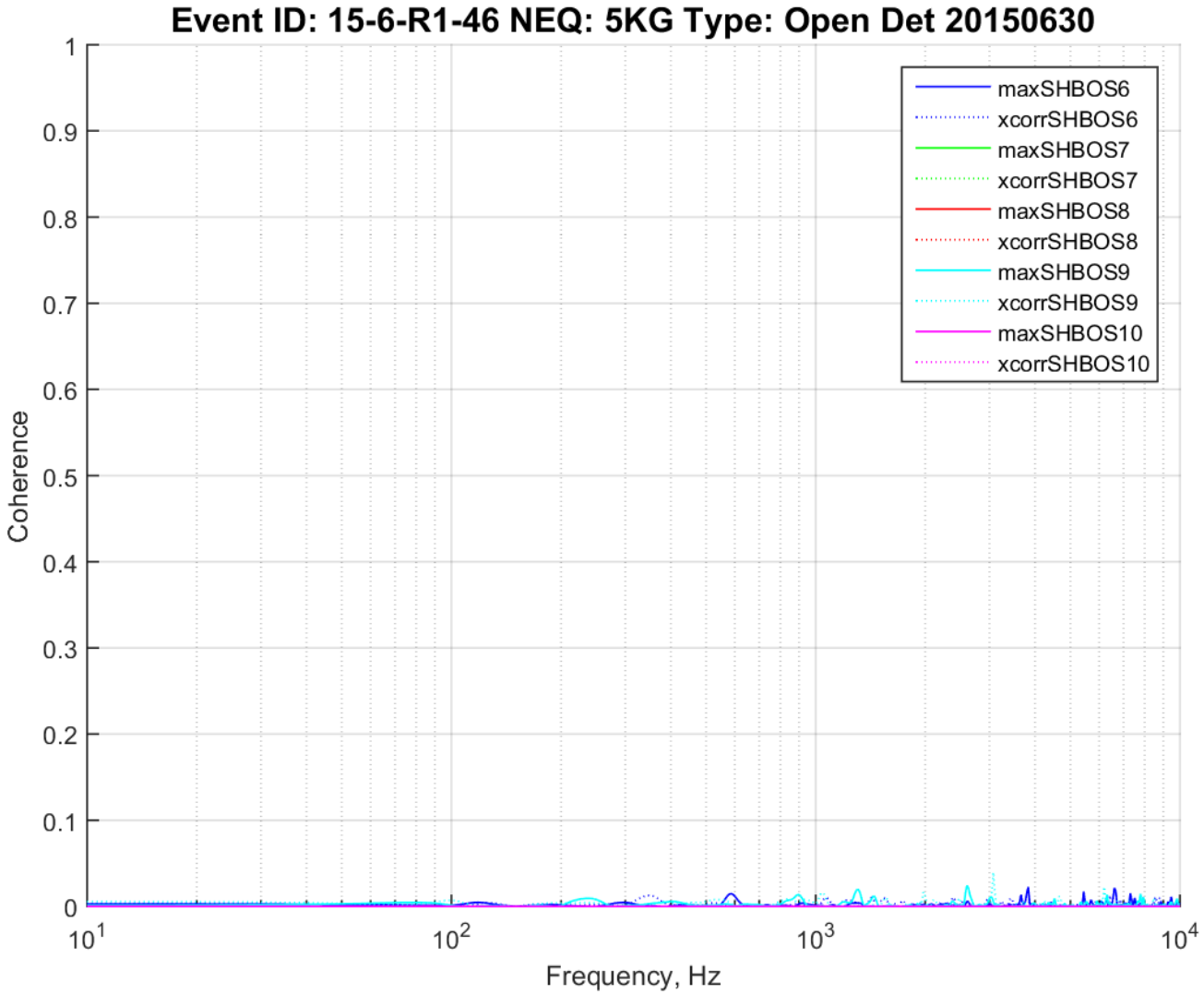


FIGURE 2.34: COHERENCE SHB_OS 6 - 10 15-6-R1-46CTD

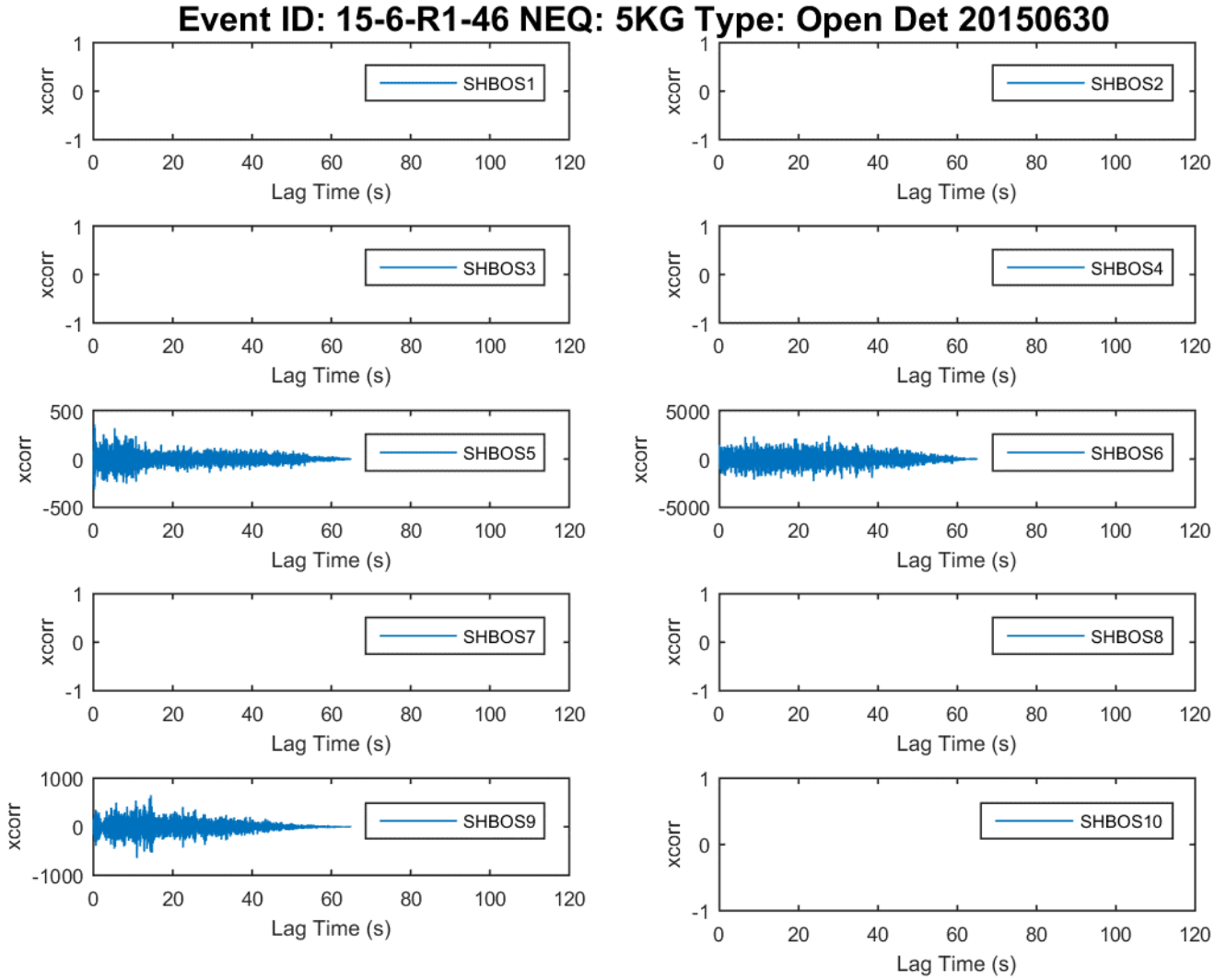


FIGURE 2.35: CROSS CORRELATION SHB_OS 1 - 10 15-6-R1-46

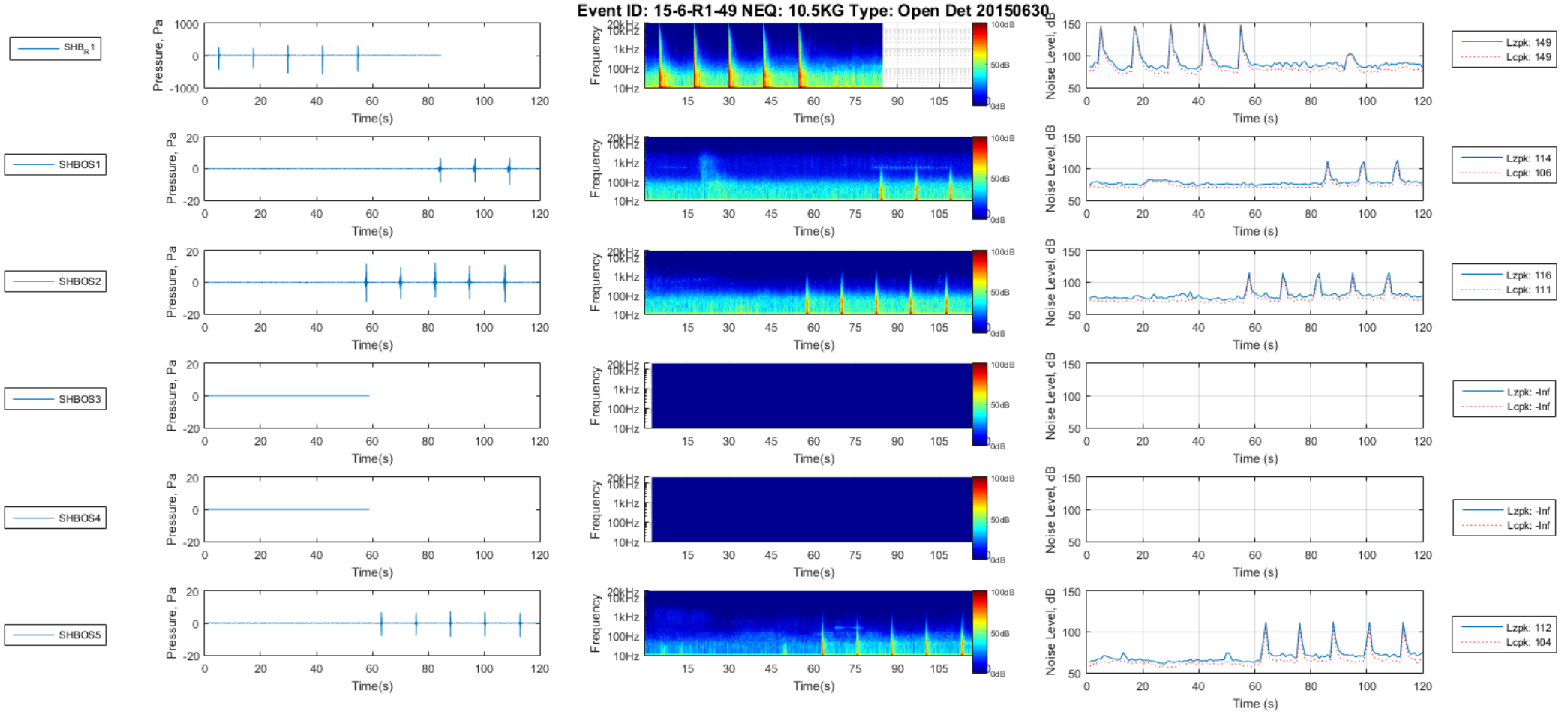


FIGURE 2.36: SHB_OS 1 - 5 15-6-R1-49

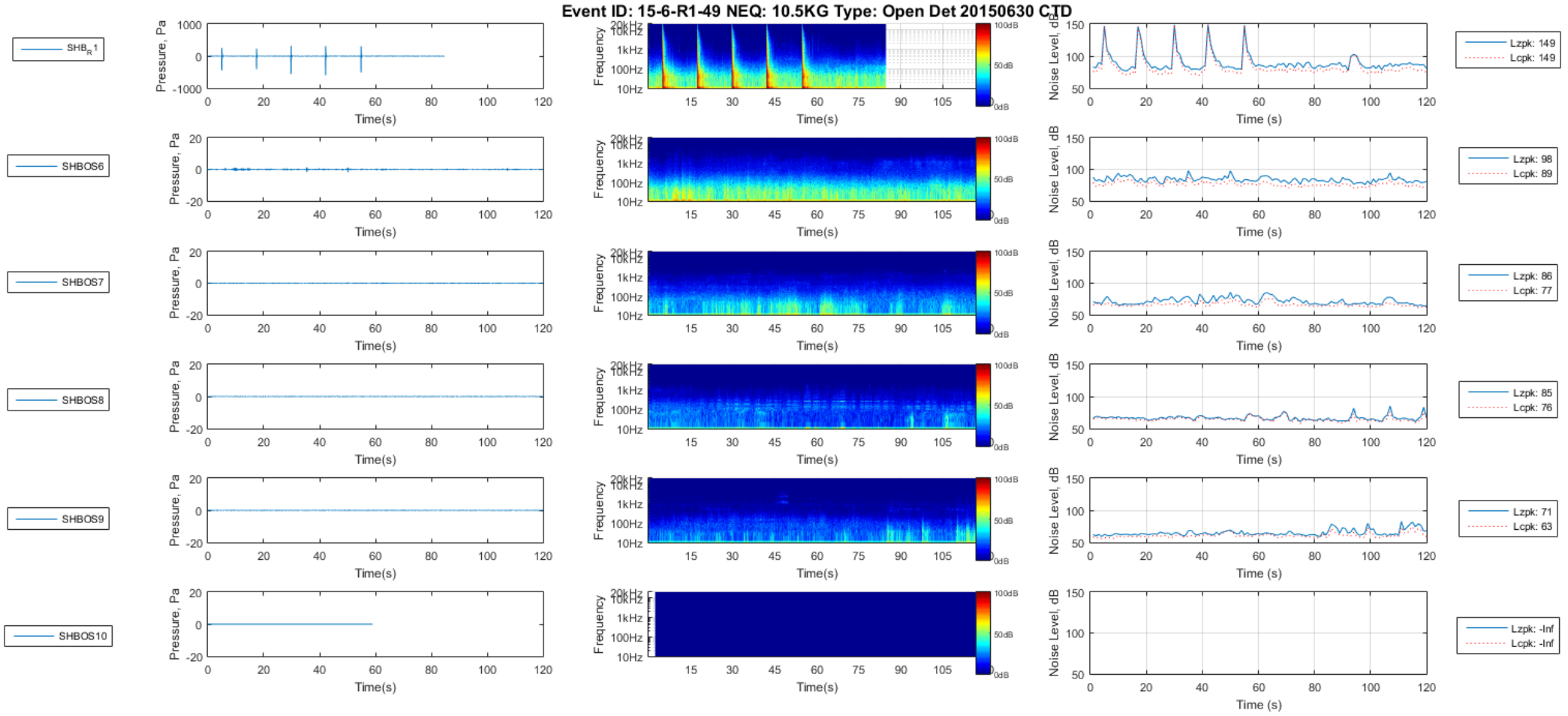


FIGURE 2.37: SHB_OS 6 - 10 15-6-R1-49

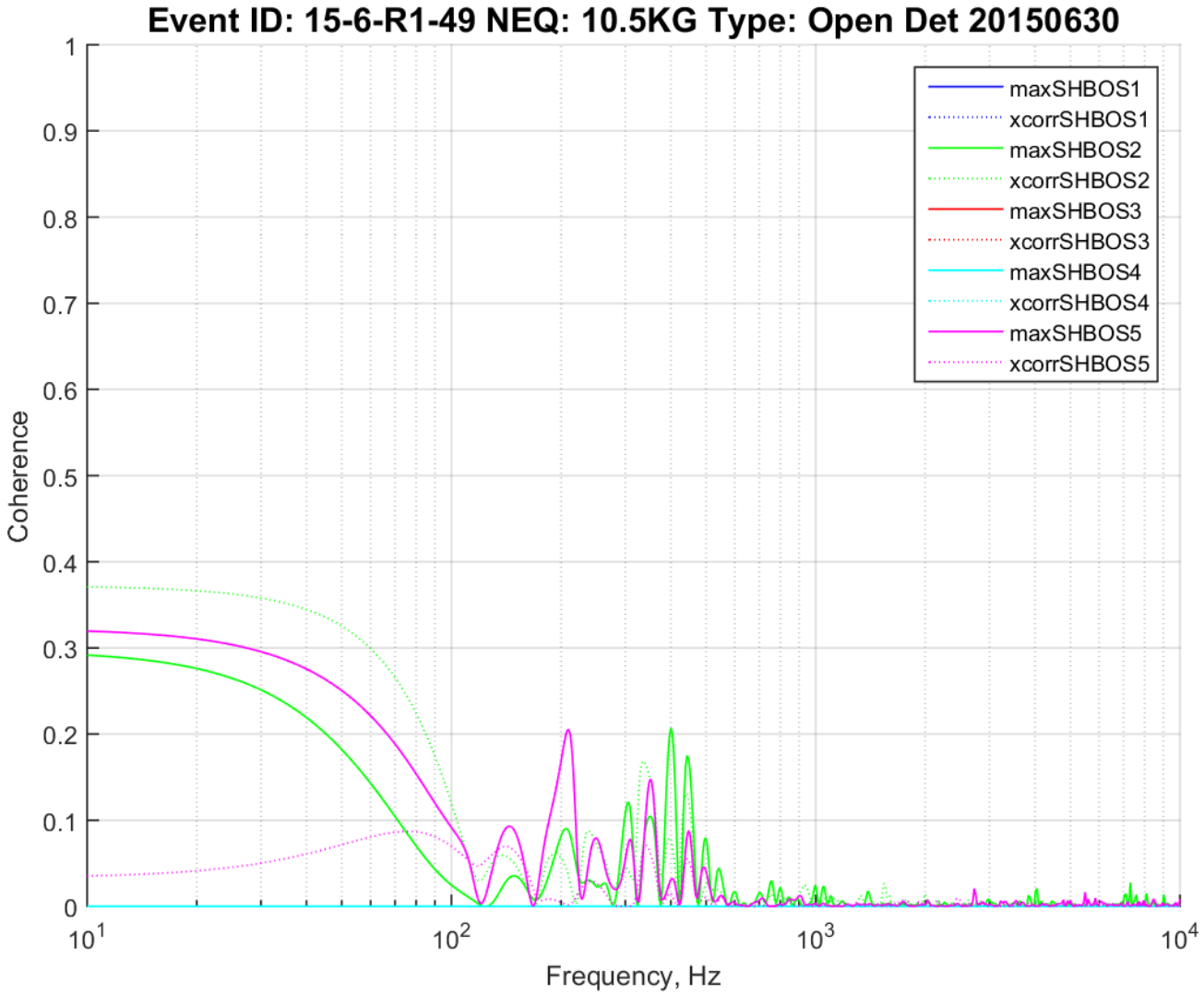


FIGURE 2.38: COHERENCE SHB_OS 1 - 5 15-6-R1-49

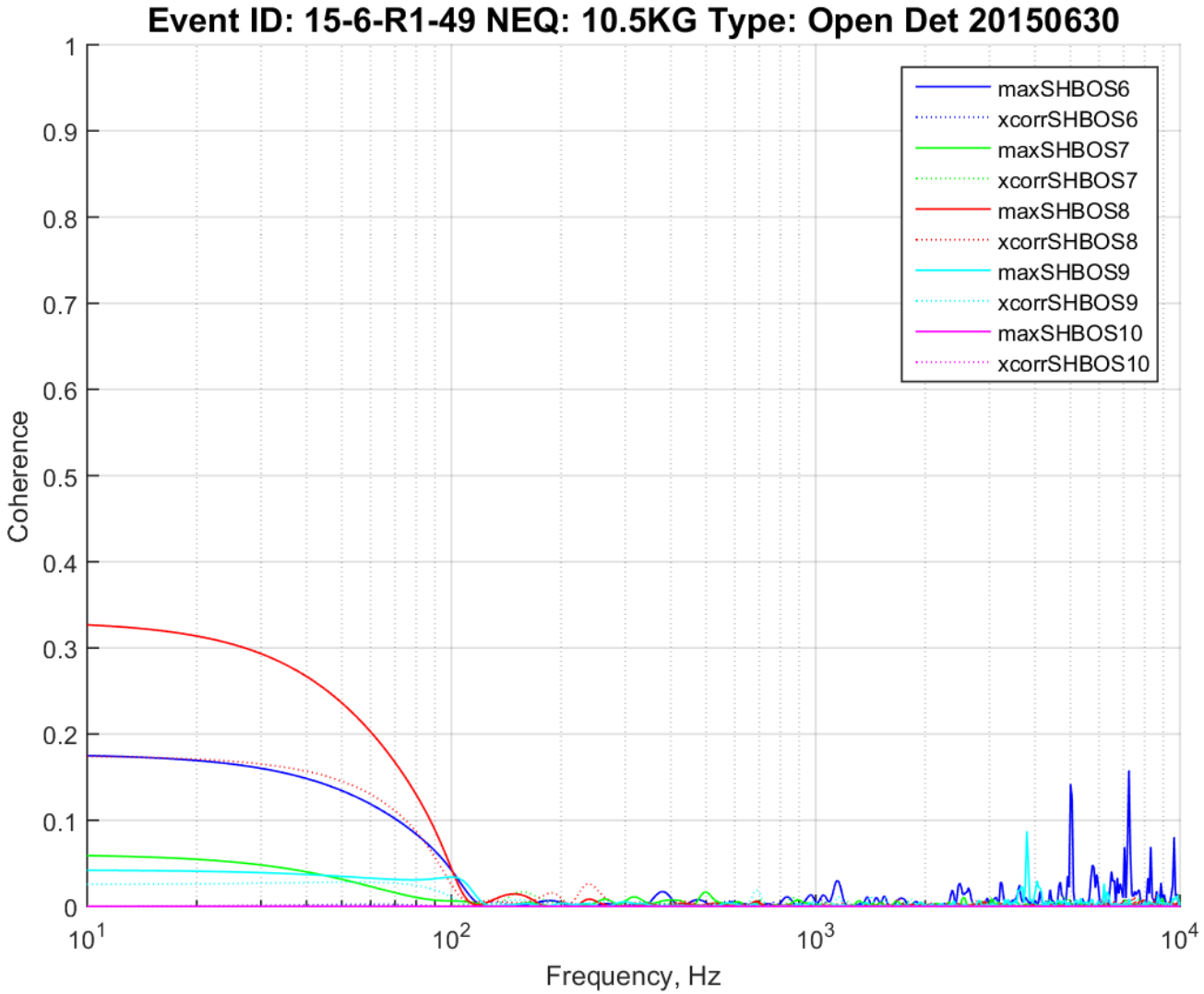


FIGURE 2.39: COHERENCE SHB_OS 6 - 10 15-6-R1-49CTD

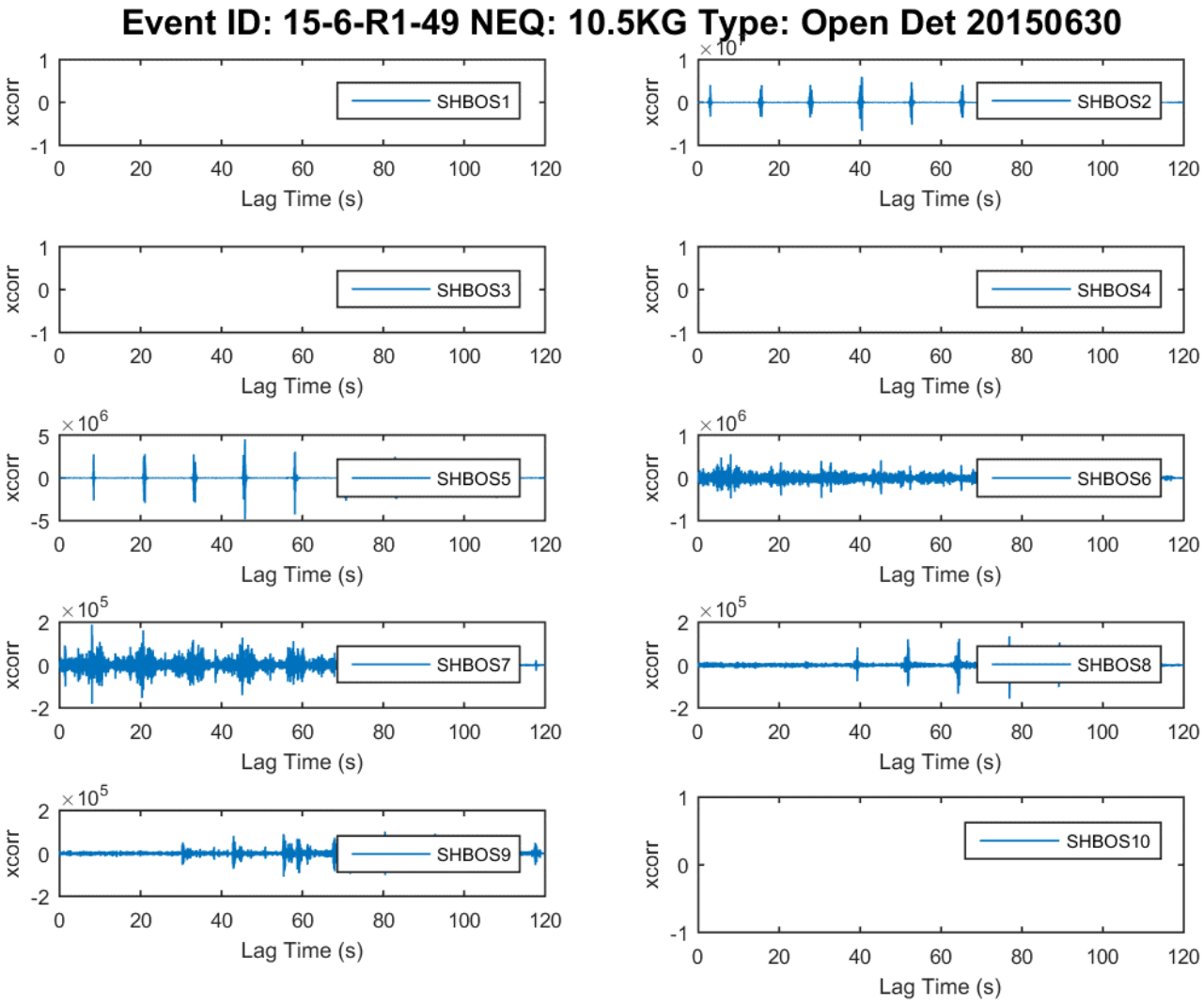


FIGURE 2.40: CROSS CORRELATION SHB_OS 1 - 10 15-6-R1-49

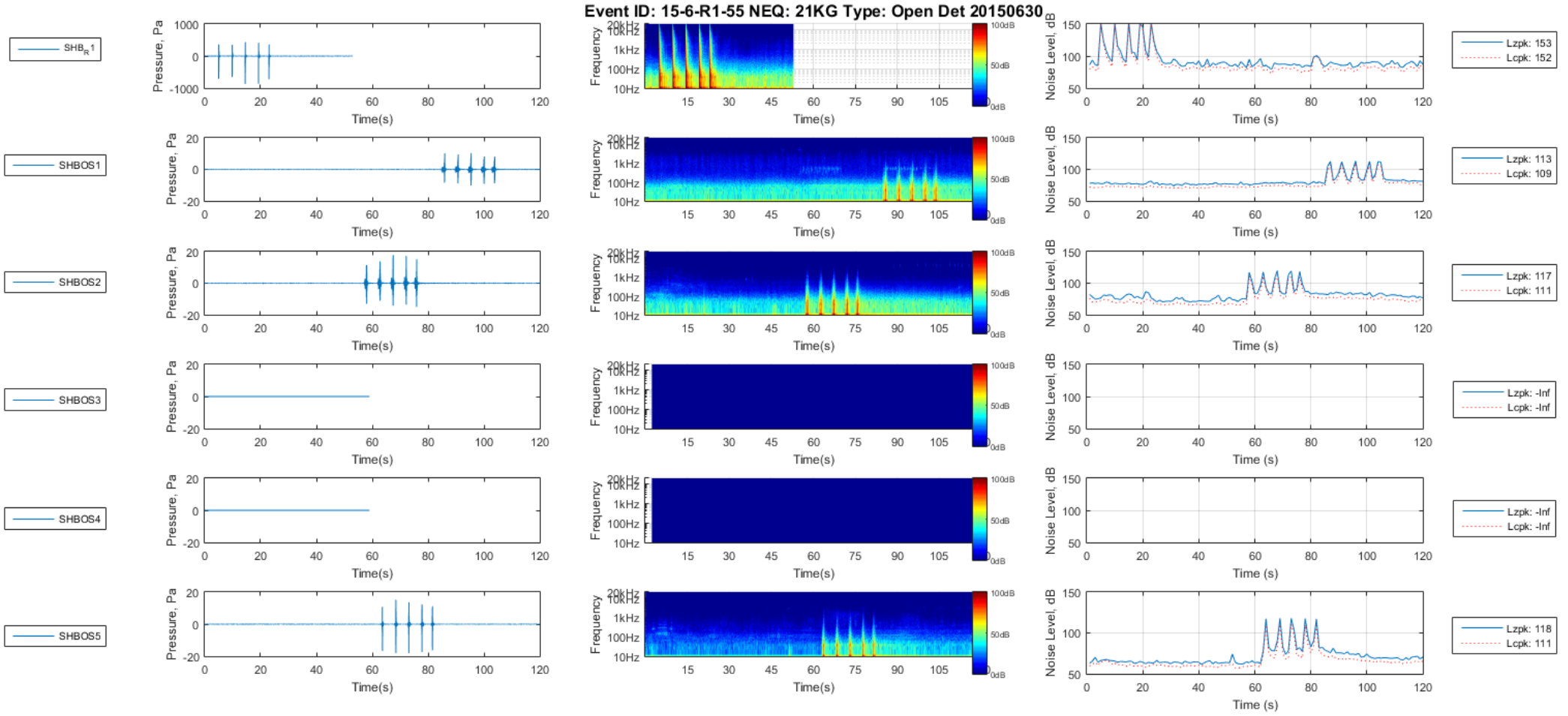


FIGURE 2.41: SHB_OS 1 - 5 15-6-R1-55

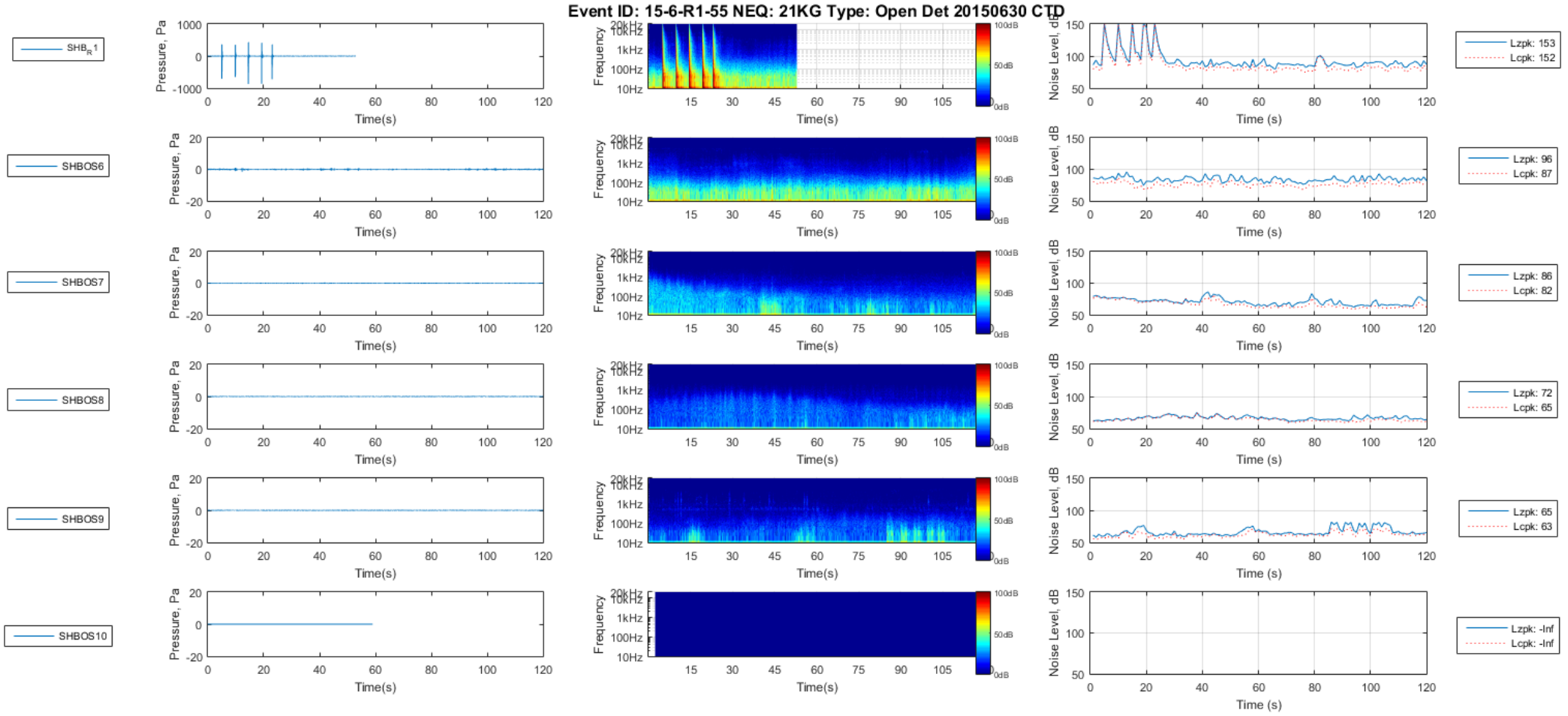


FIGURE 2.42: SHB_OS 6 - 10 15-6-R1-55

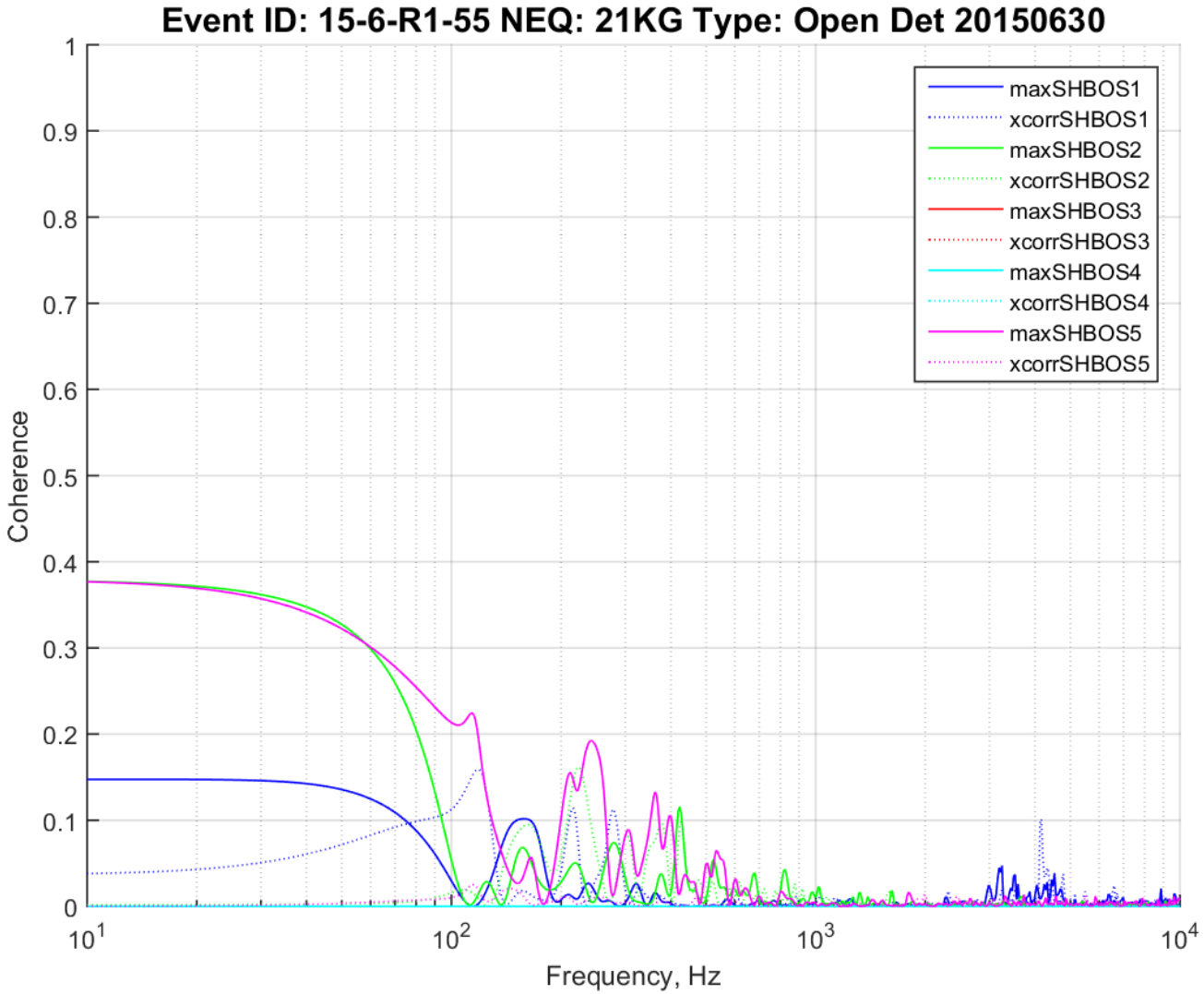


FIGURE 2.43: COHERENCE SHB_OS 1 - 5 15-6-R1-55

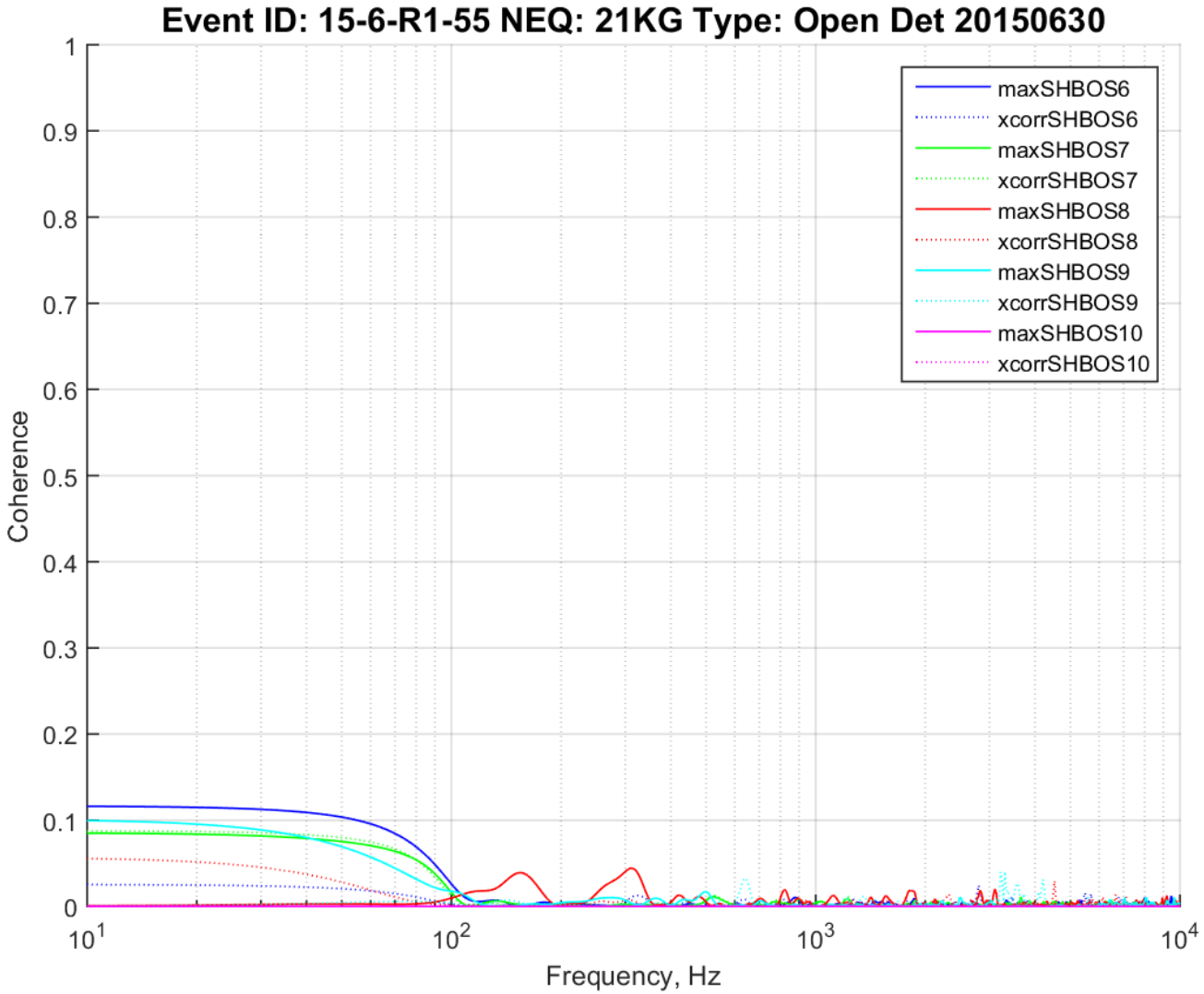


FIGURE 2.44: COHERENCE SHB_OS 6 - 10 15-6-R1-55CTD

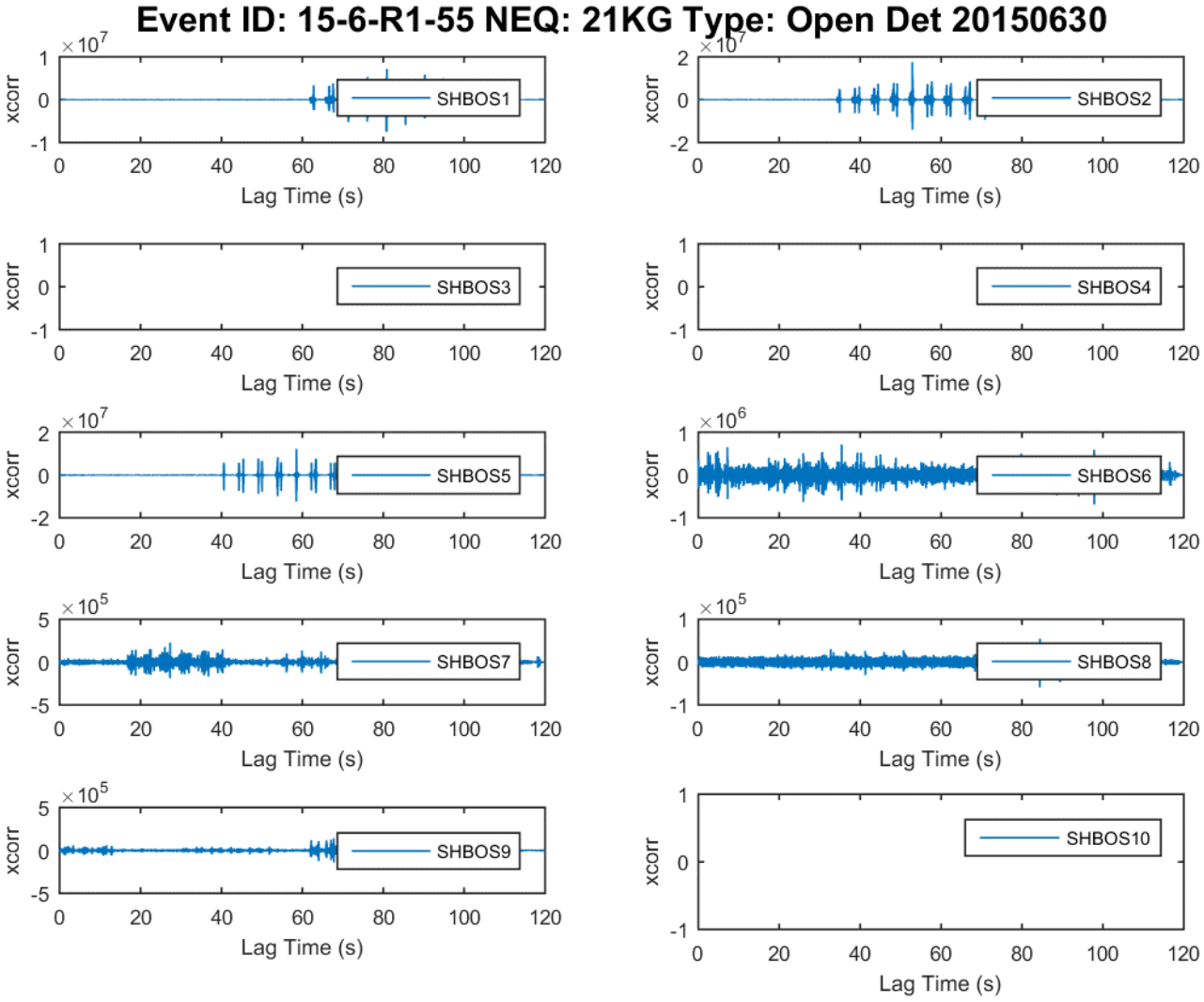


FIGURE 2.45: CROSS CORRELATION SHB_OS 1 - 10 15-6-R1-55

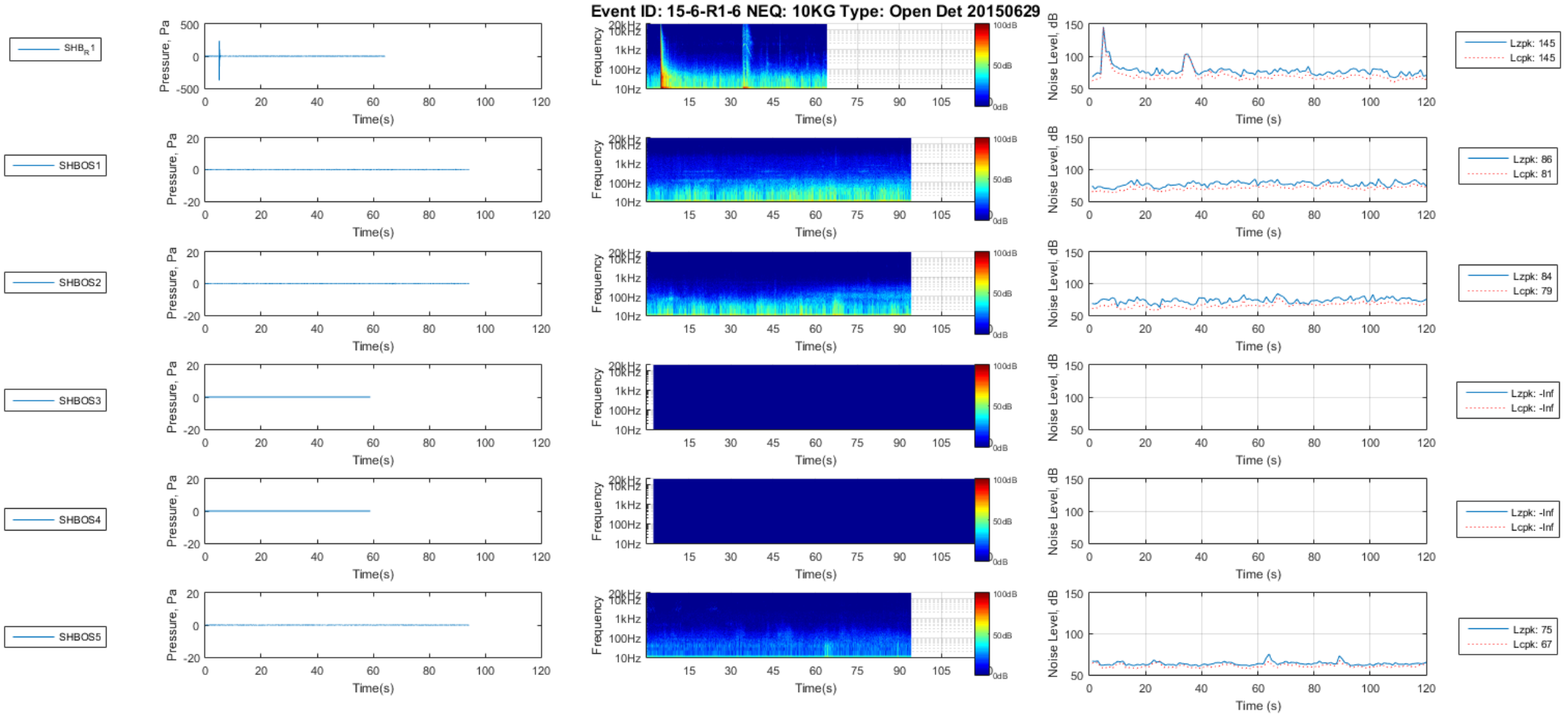


FIGURE 2.46: SHB_OS 1 - 5 15-6-R1-6

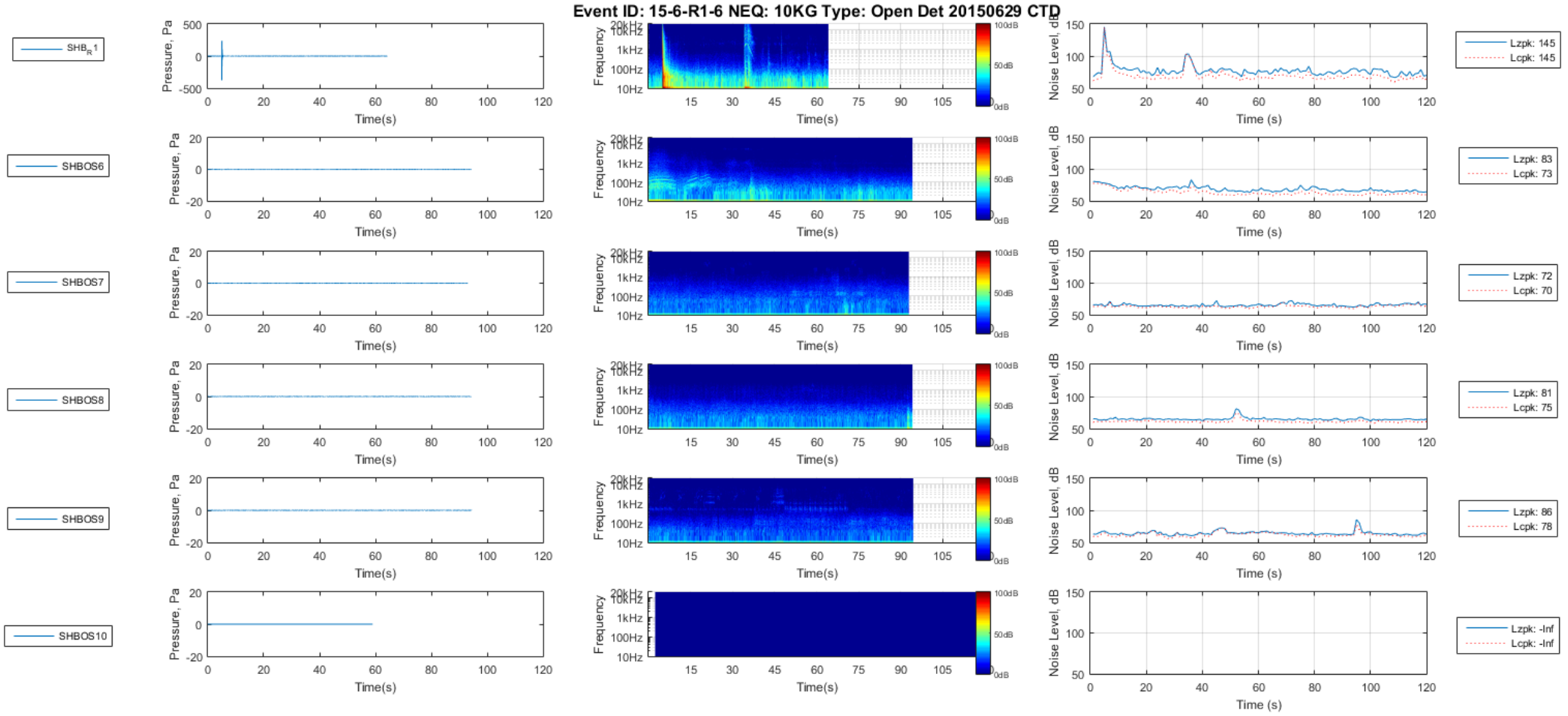


FIGURE 2.47: SHB_OS 6 - 10 15-6-R1-6

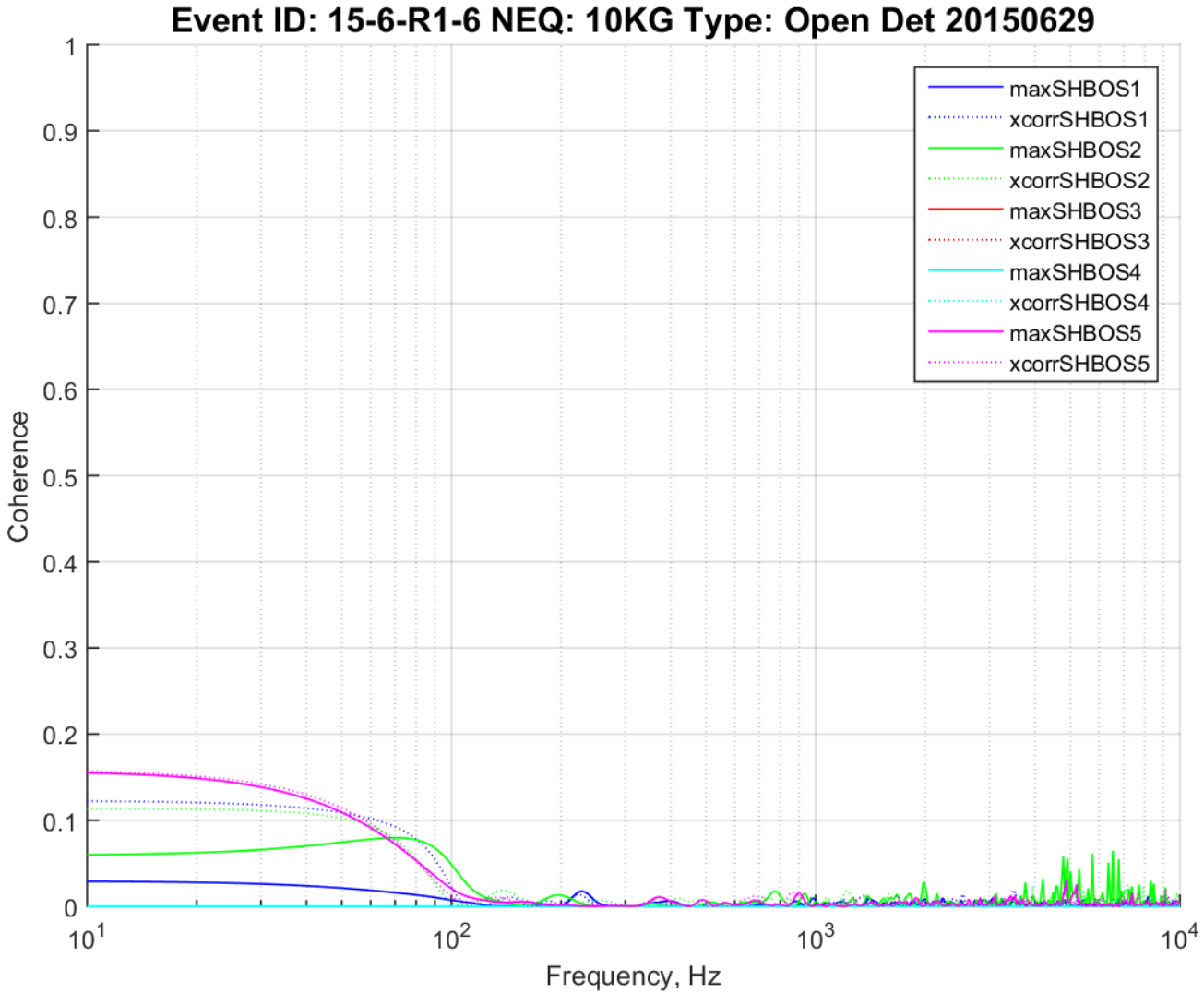


FIGURE 2.48: COHERENCE SHB_OS 1 - 5 15-6-R1-6

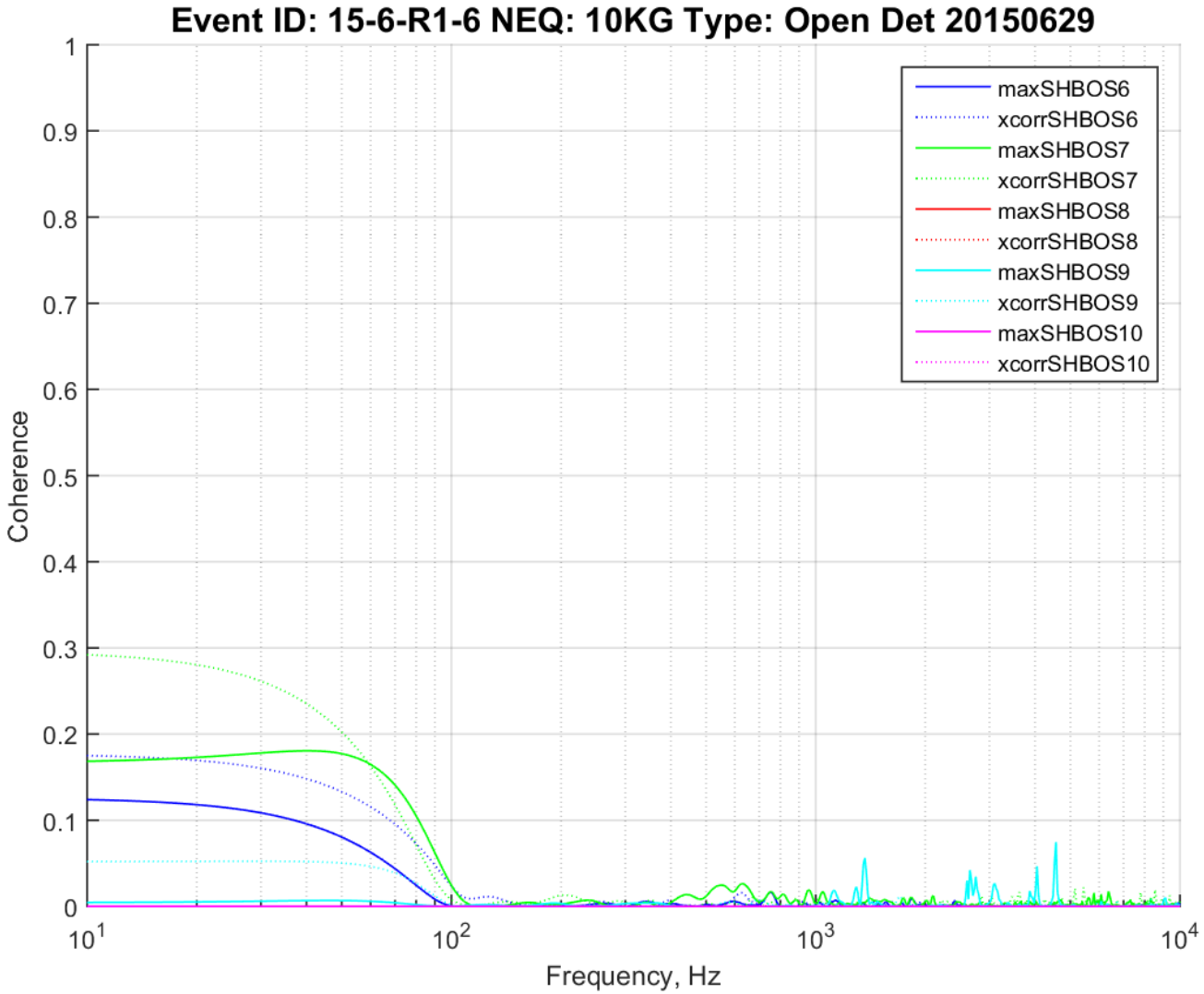


FIGURE 2.49: COHERENCE SHB_OS 6 - 10 15-6-R1-6CTD

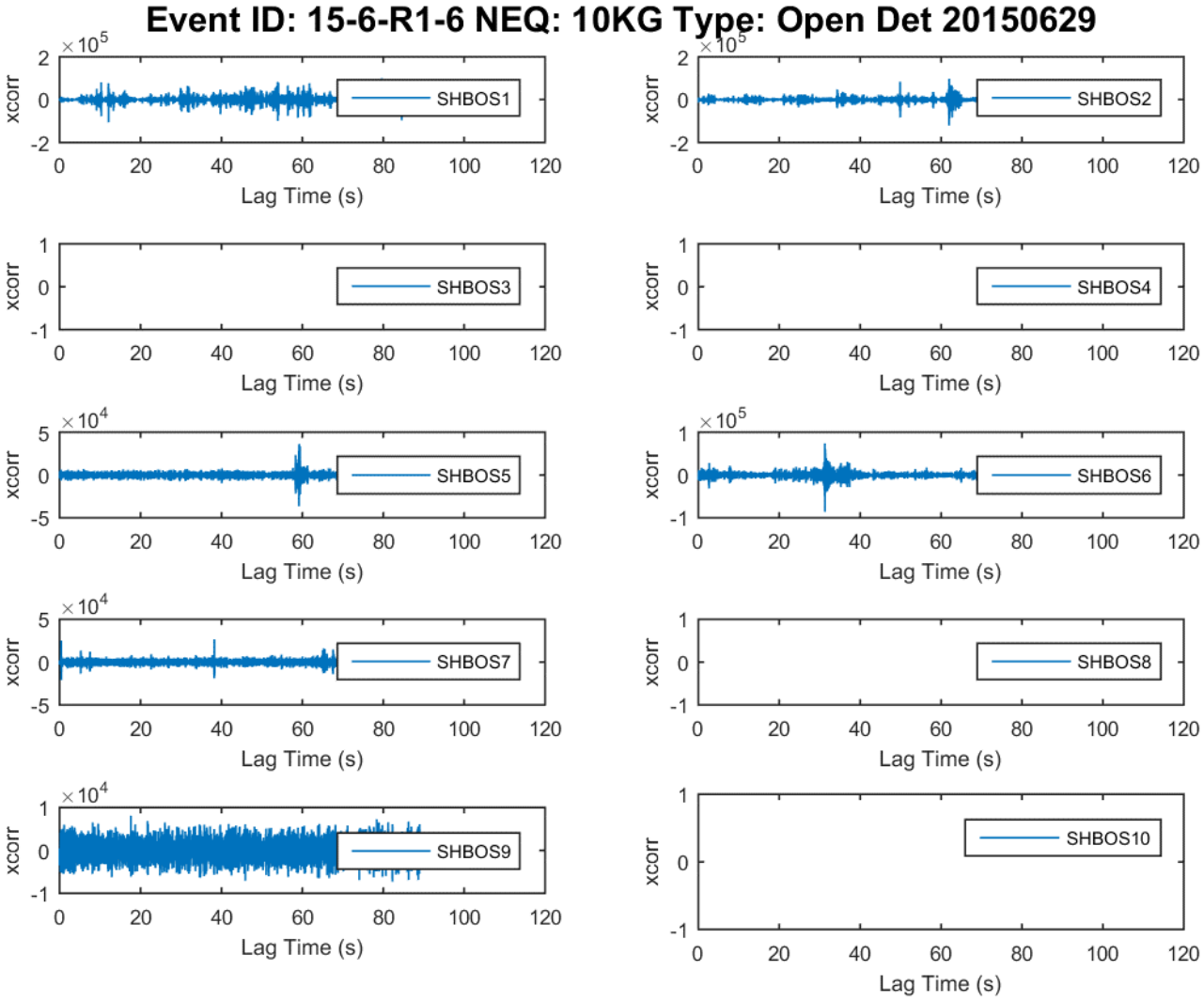


FIGURE 2.50: CROSS CORRELATION SHB_OS 1 - 10 15-6-R1-6

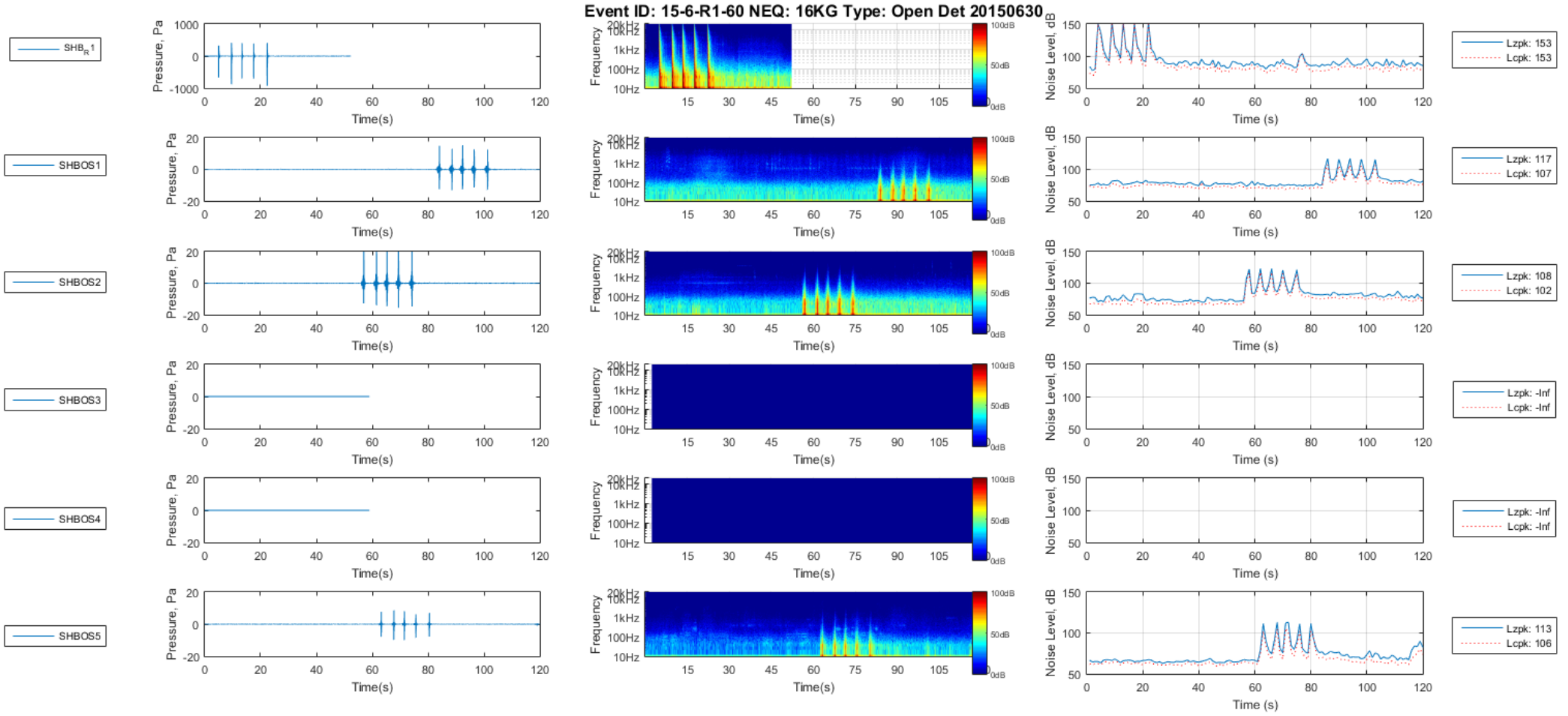


FIGURE 2.51: SHB_OS 1 - 5 15-6-R1-60

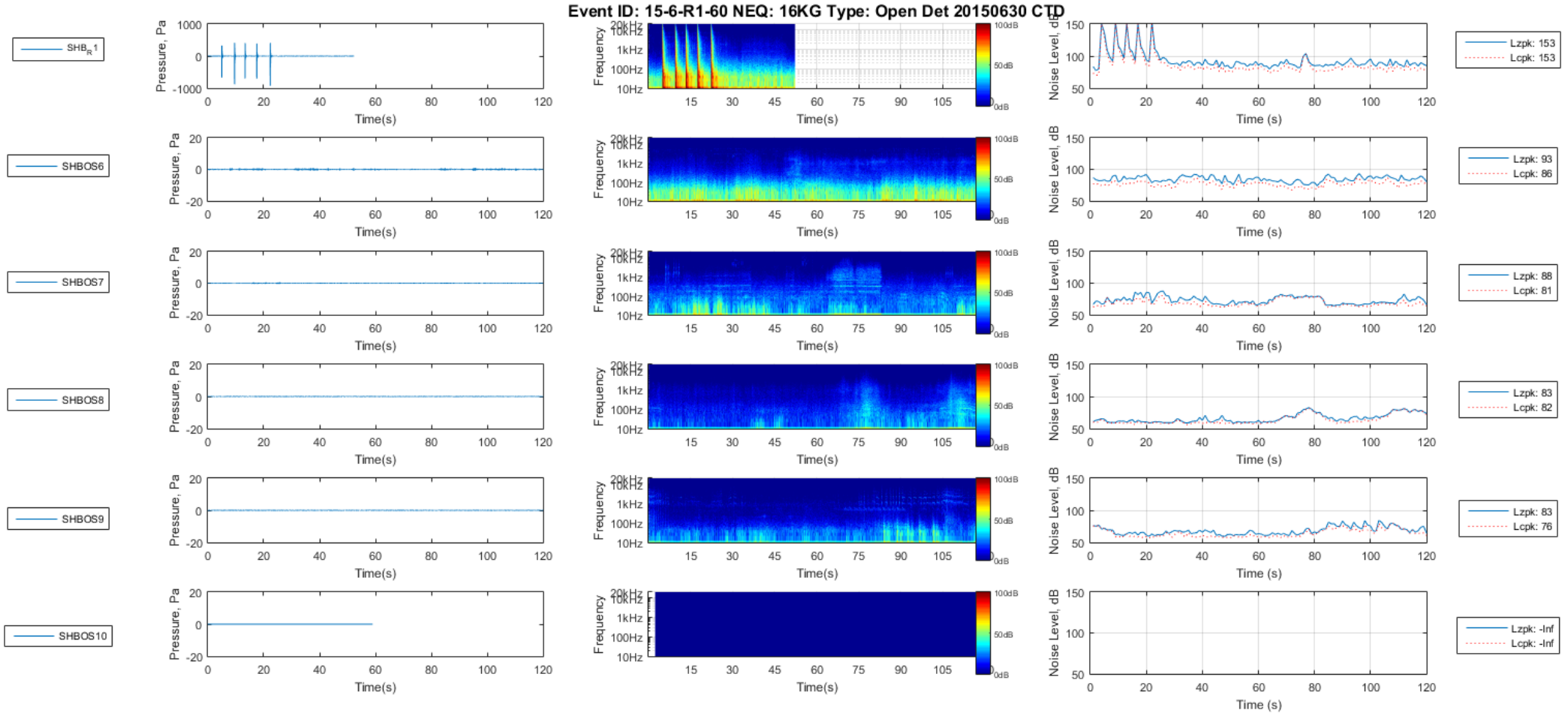


FIGURE 2.52: SHB_OS 6 - 10 15-6-R1-60

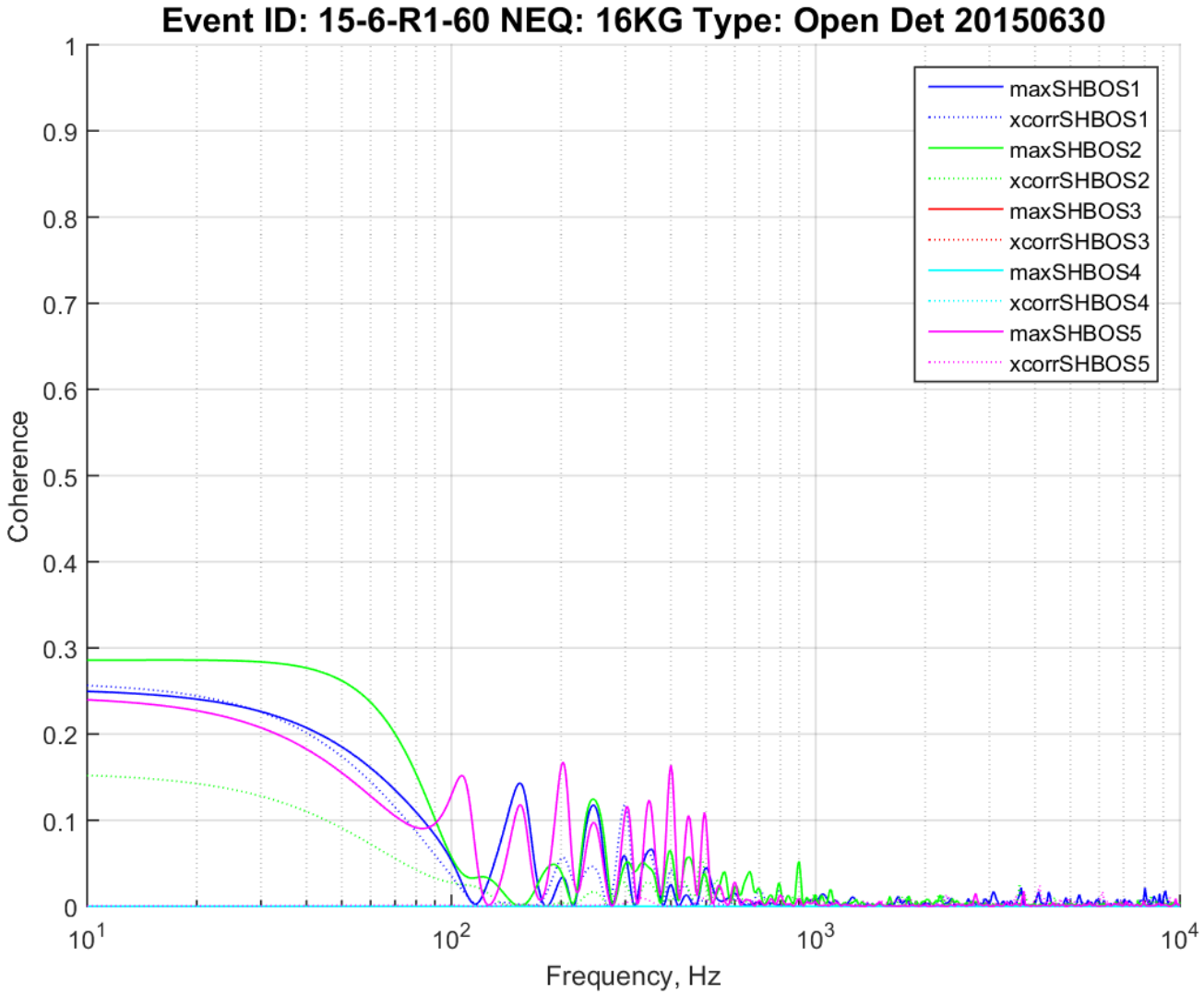


FIGURE 2.53: COHERENCE SHB_OS 1 - 5 15-6-R1-60

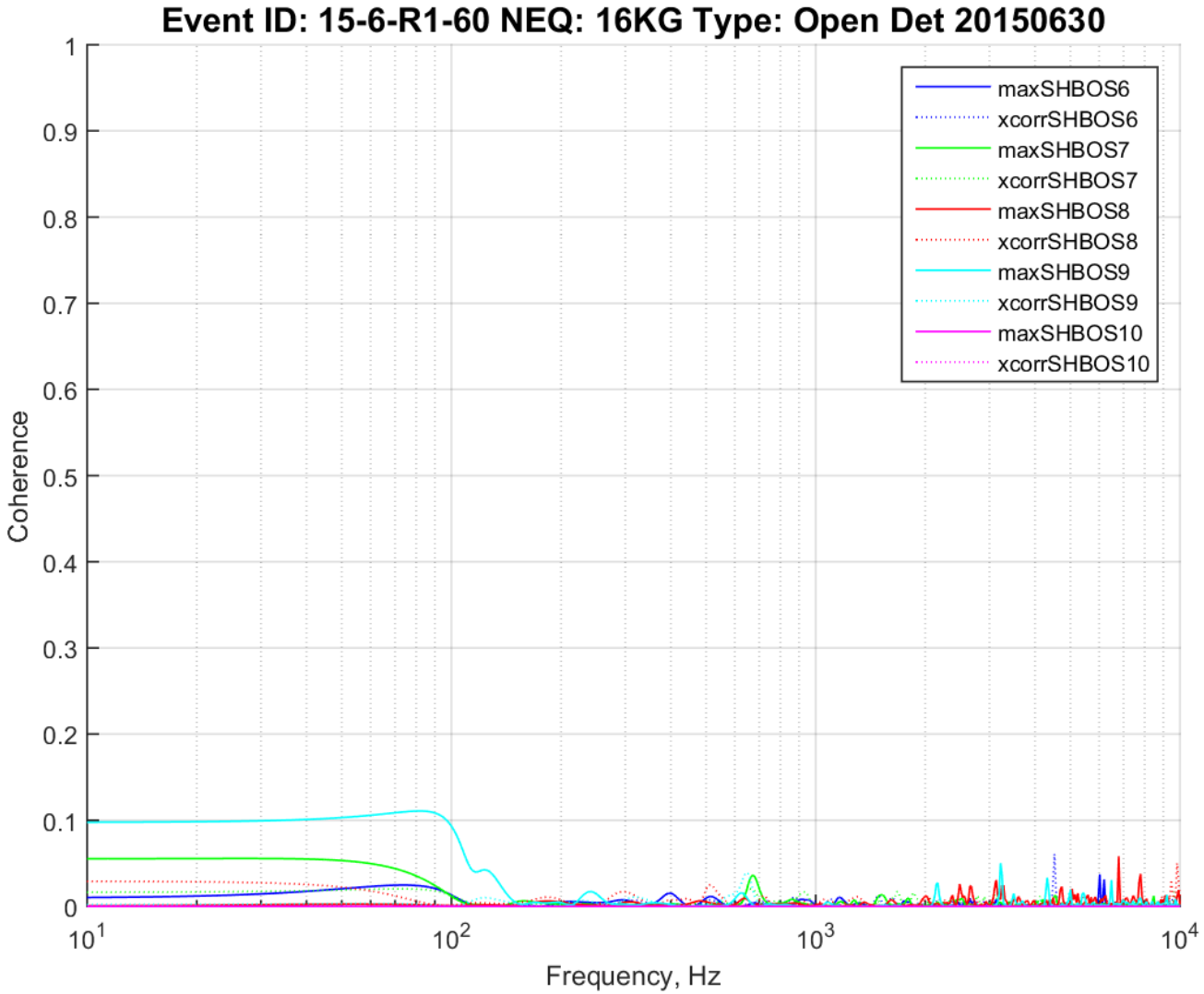


FIGURE 2.54: COHERENCE SHB_OS 6 - 10 15-6-R1-60CTD

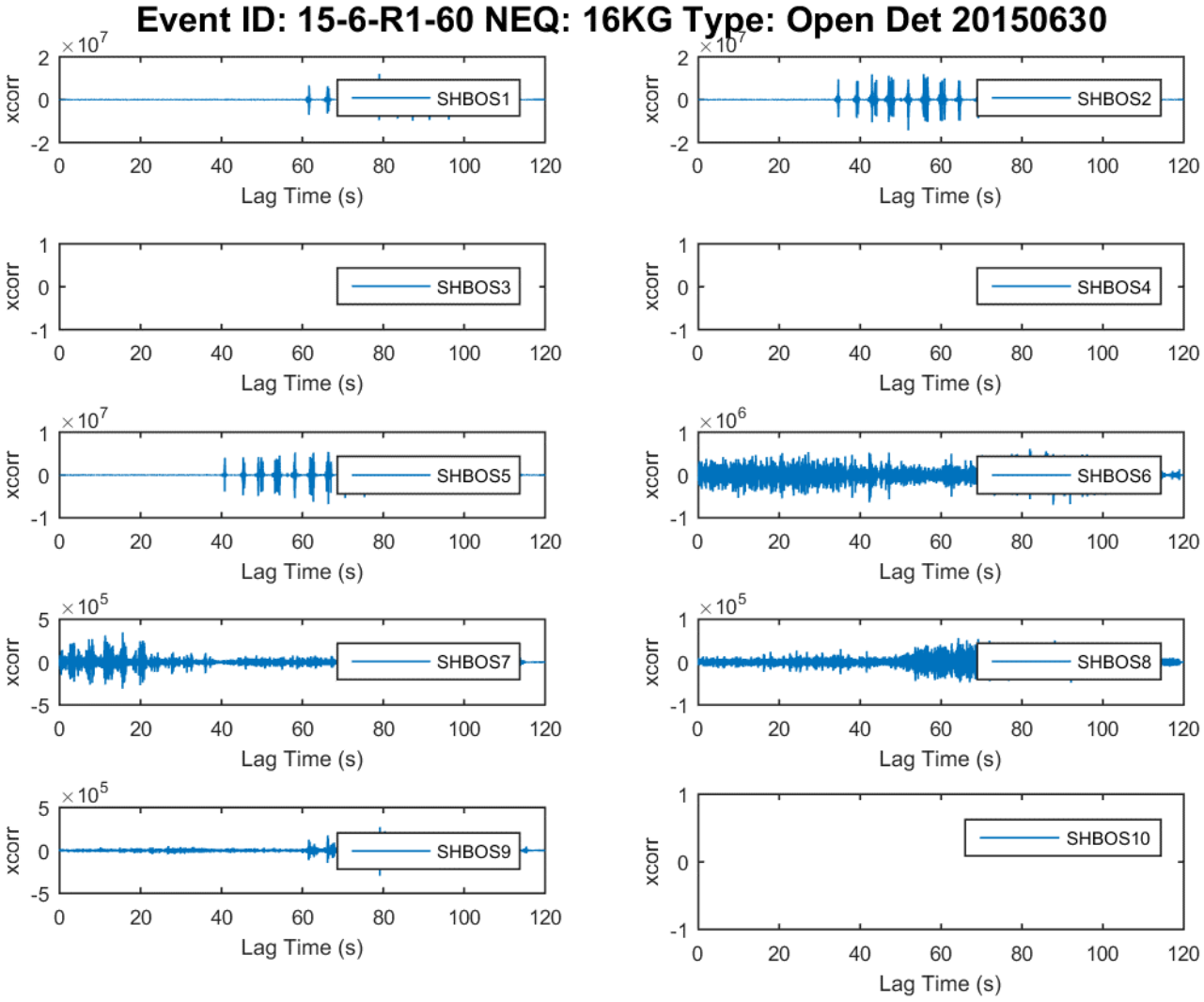


FIGURE 2.55: CROSS CORRELATION SHB_OS 1 - 10 15-6-R1-60

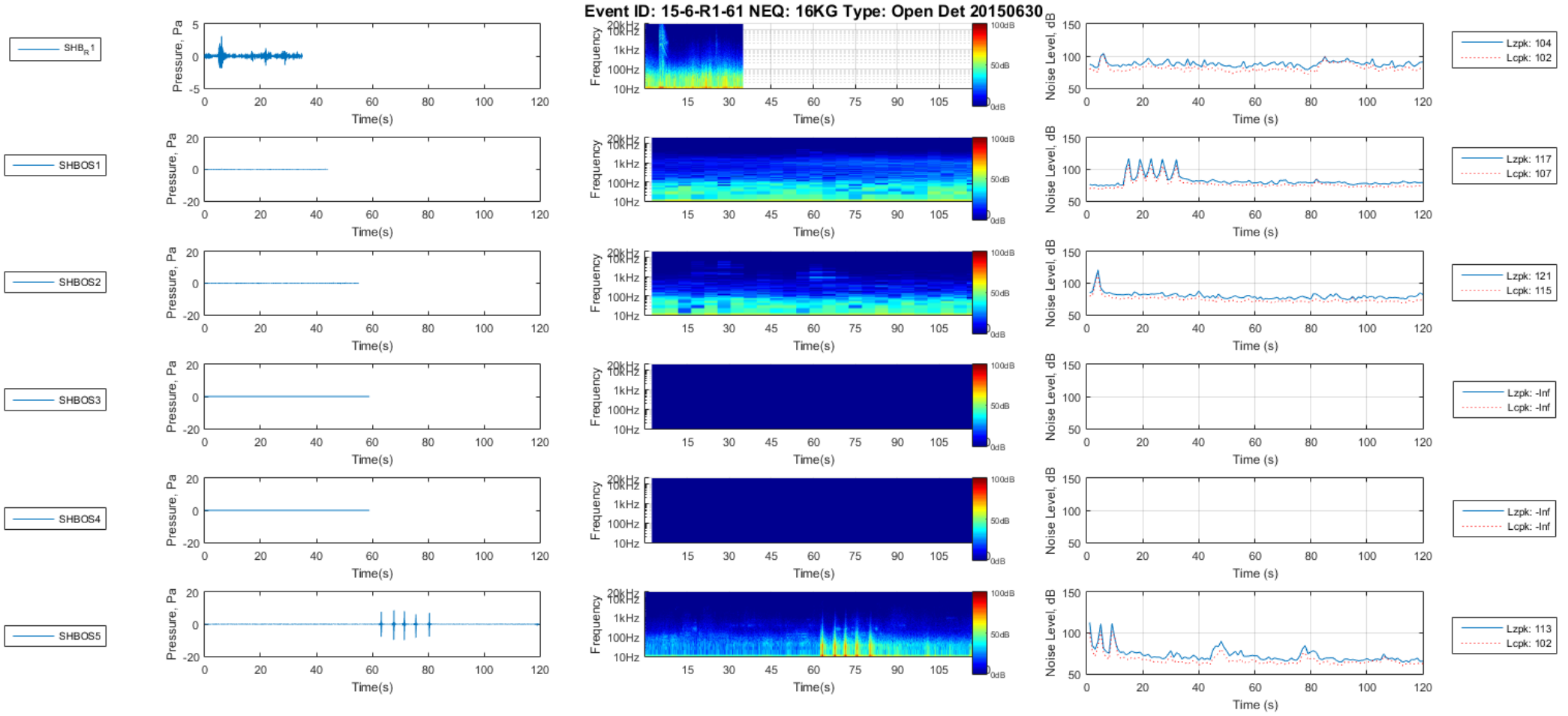


FIGURE 2.56: SHB_OS 1 - 5 15-6-R1-61

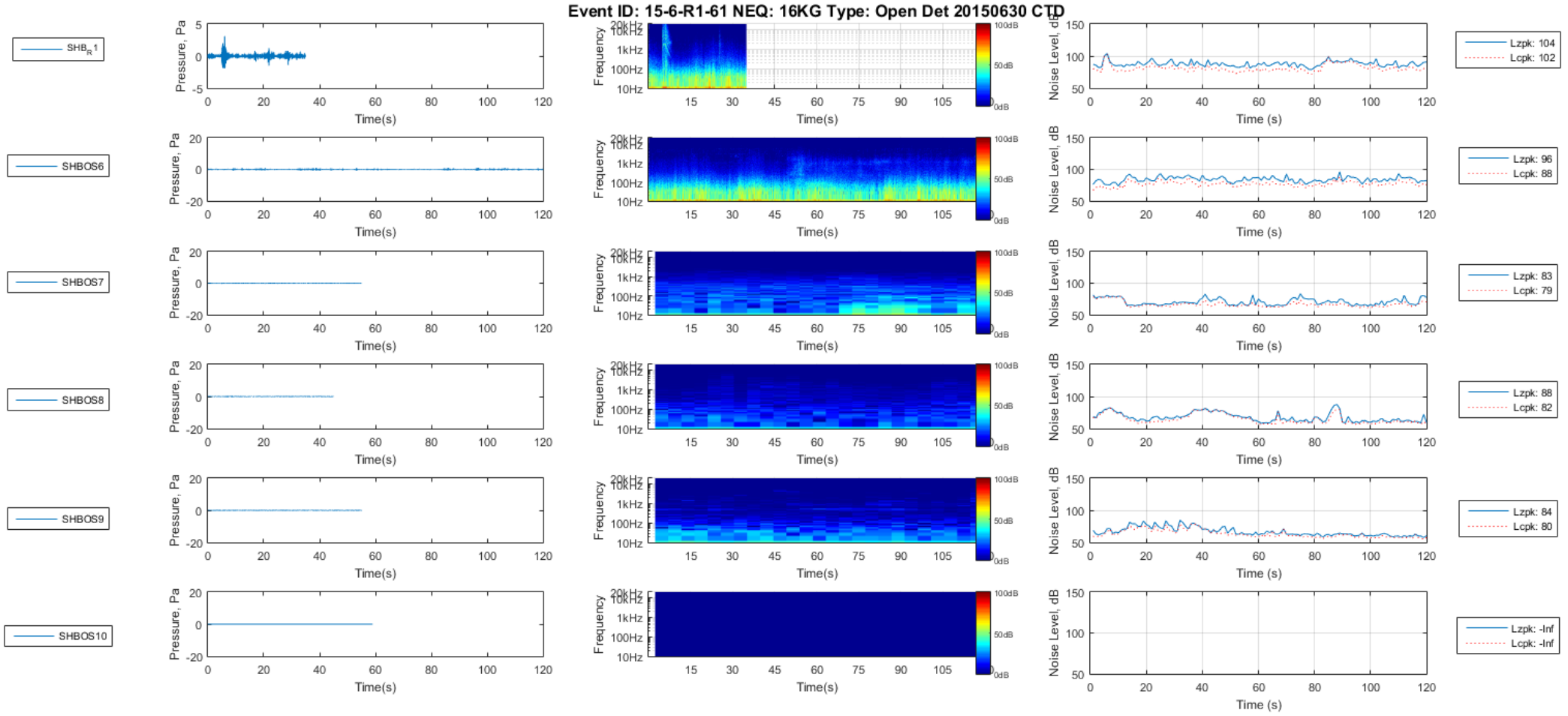


FIGURE 2.57: SHB_OS 6 - 10 15-6-R1-61

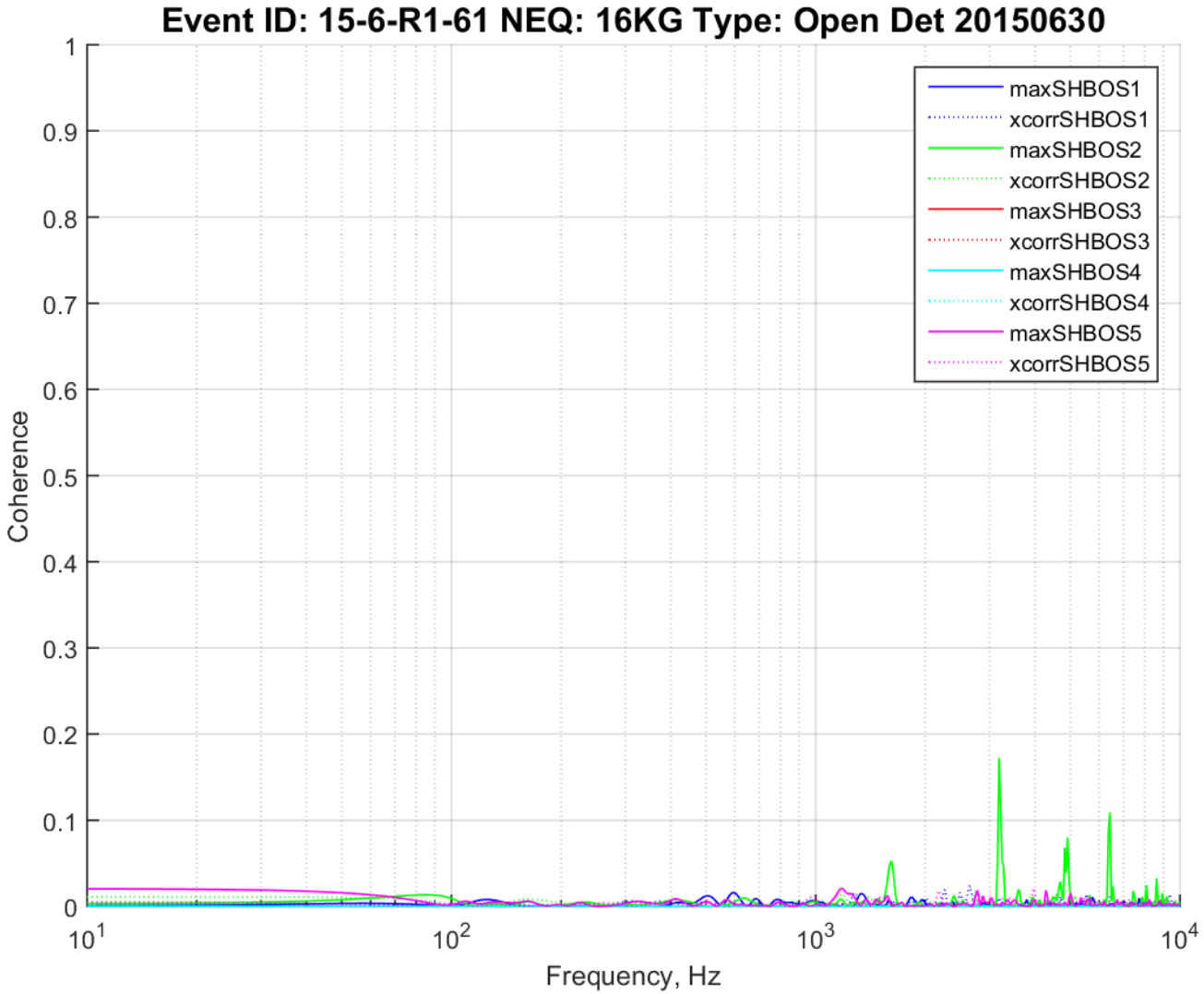


FIGURE 2.58: COHERENCE SHB_OS 1 - 5 15-6-R1-61

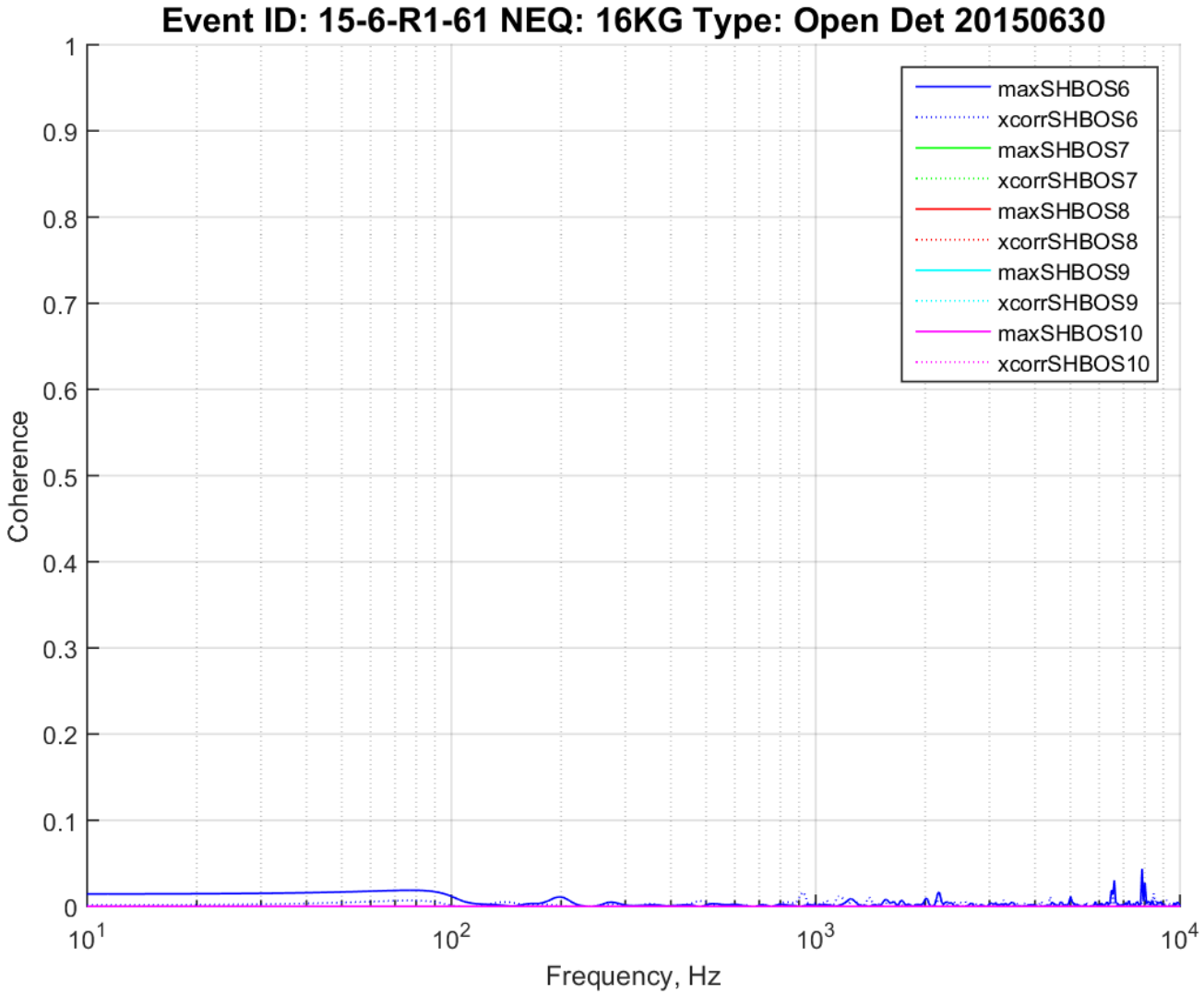


FIGURE 2.59: COHERENCE SHB_OS 6 - 10 15-6-R1-61CTD

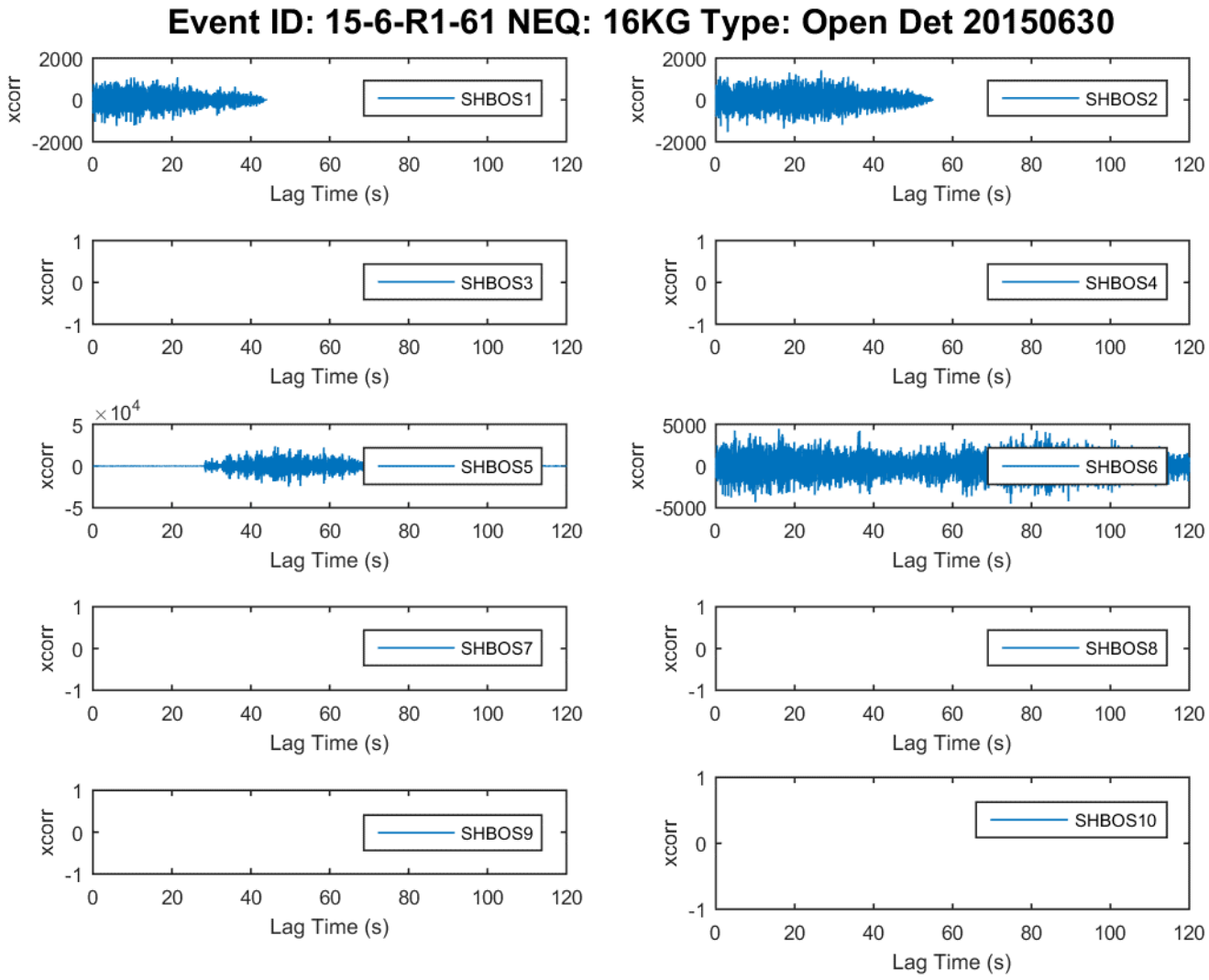


FIGURE 2.60: CROSS CORRELATION SHB_OS 1 - 10 15-6-R1-61

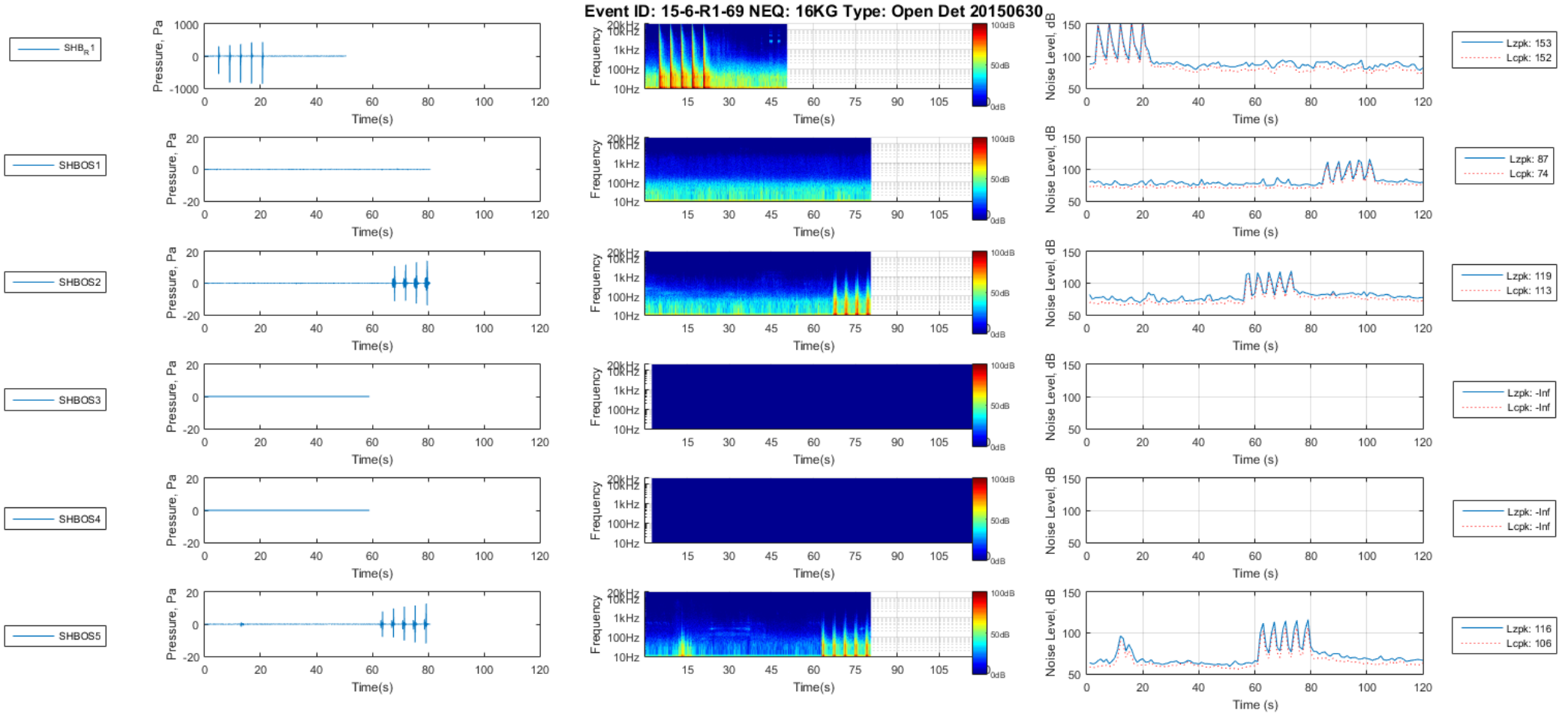


FIGURE 2.61: SHB_OS 1 - 5 15-6-R1-69

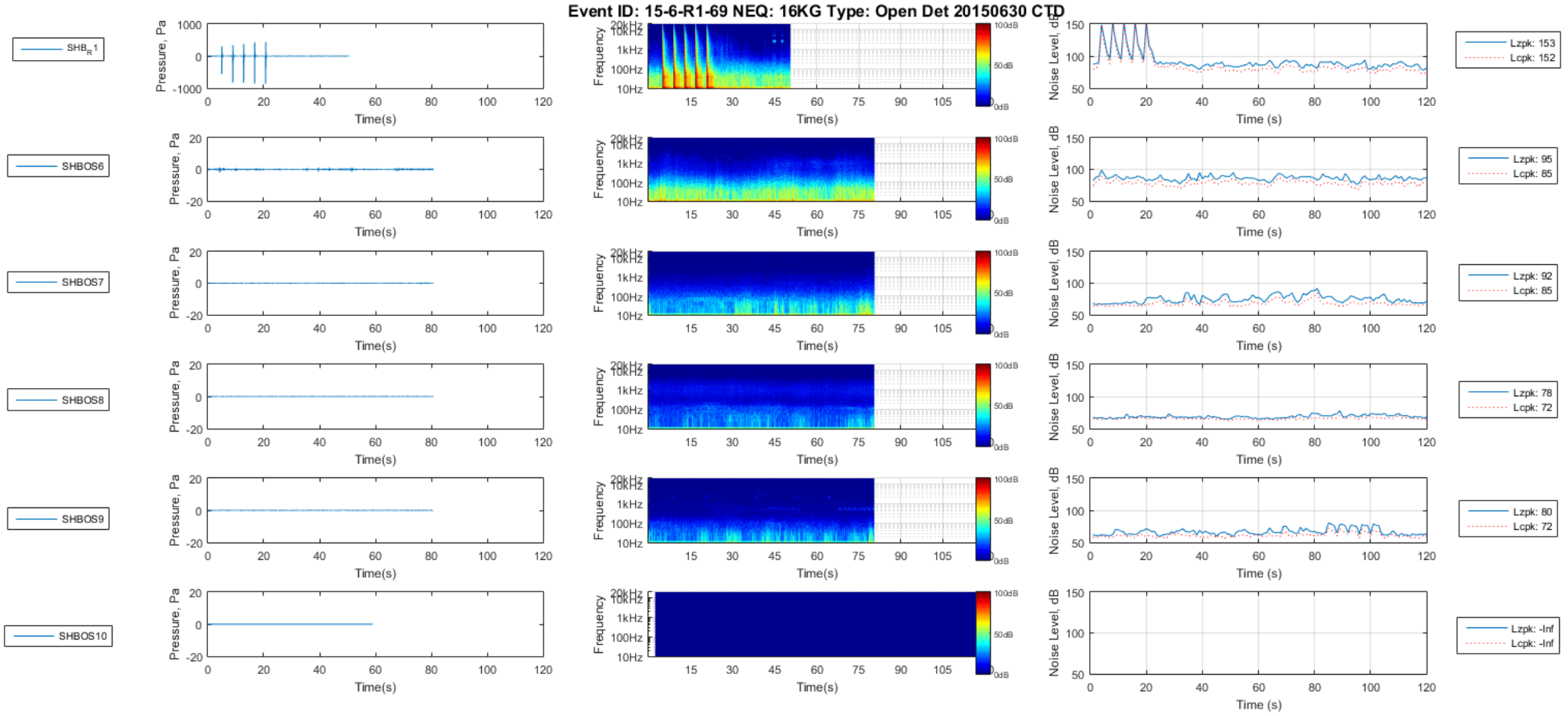


FIGURE 2.62: SHB_OS 6 - 10 15-6-R1-69

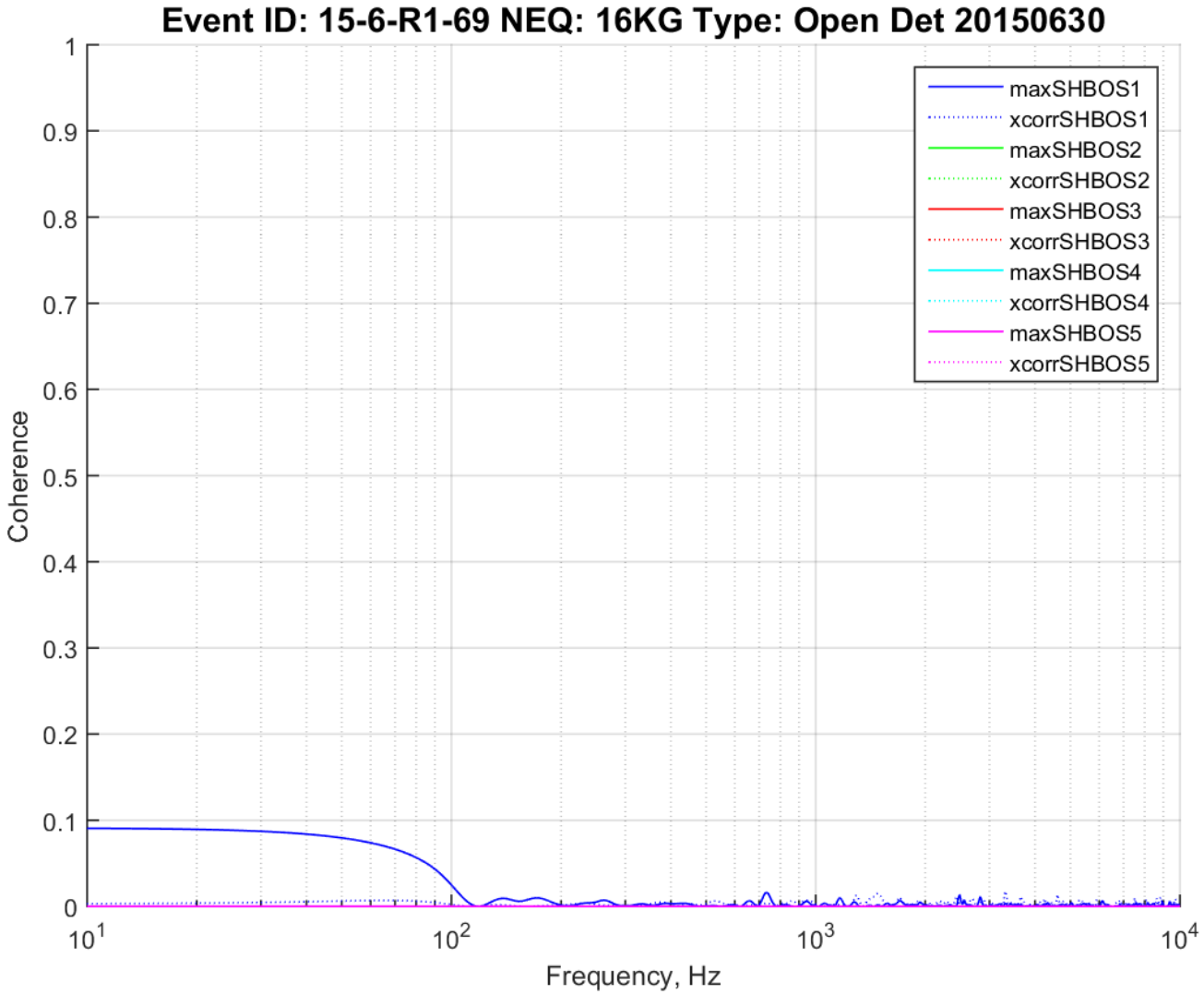


FIGURE 2.63: COHERENCE SHB_OS 1 - 5 15-6-R1-69

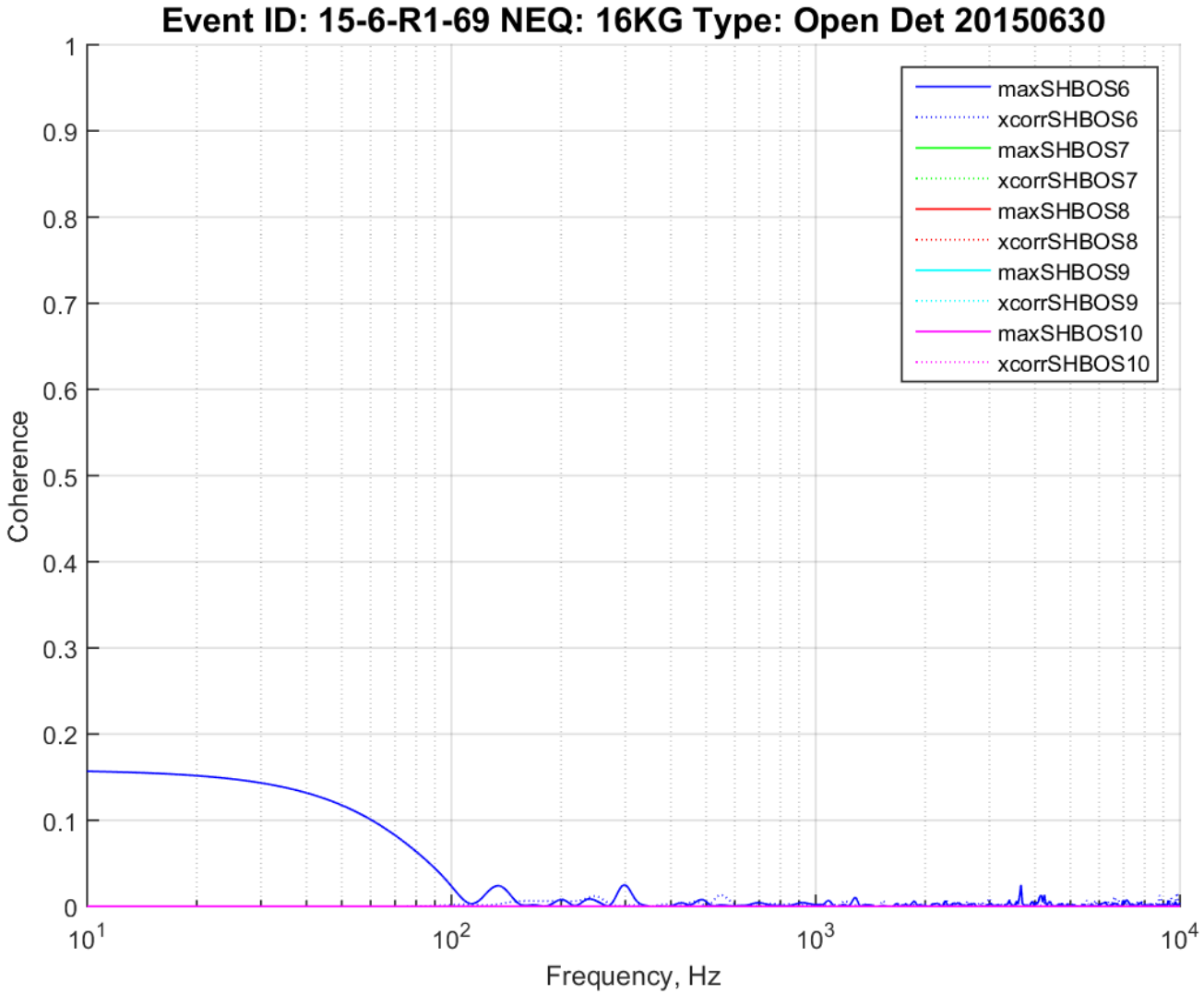


FIGURE 2.64: COHERENCE SHB_OS 6 - 10 15-6-R1-69CTD

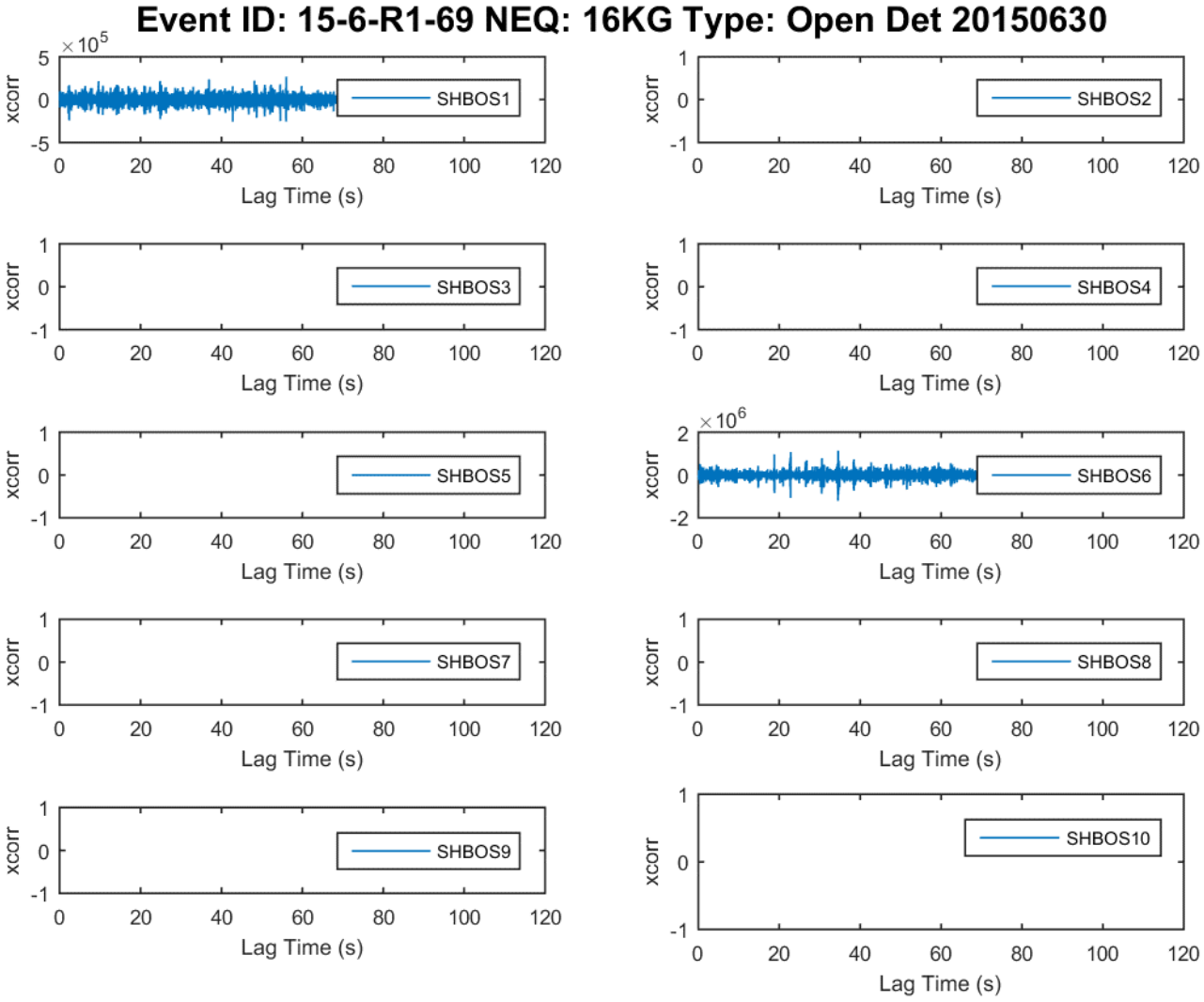


FIGURE 2.65: CROSS CORRELATION SHB_OS 1 - 10 15-6-R1-69

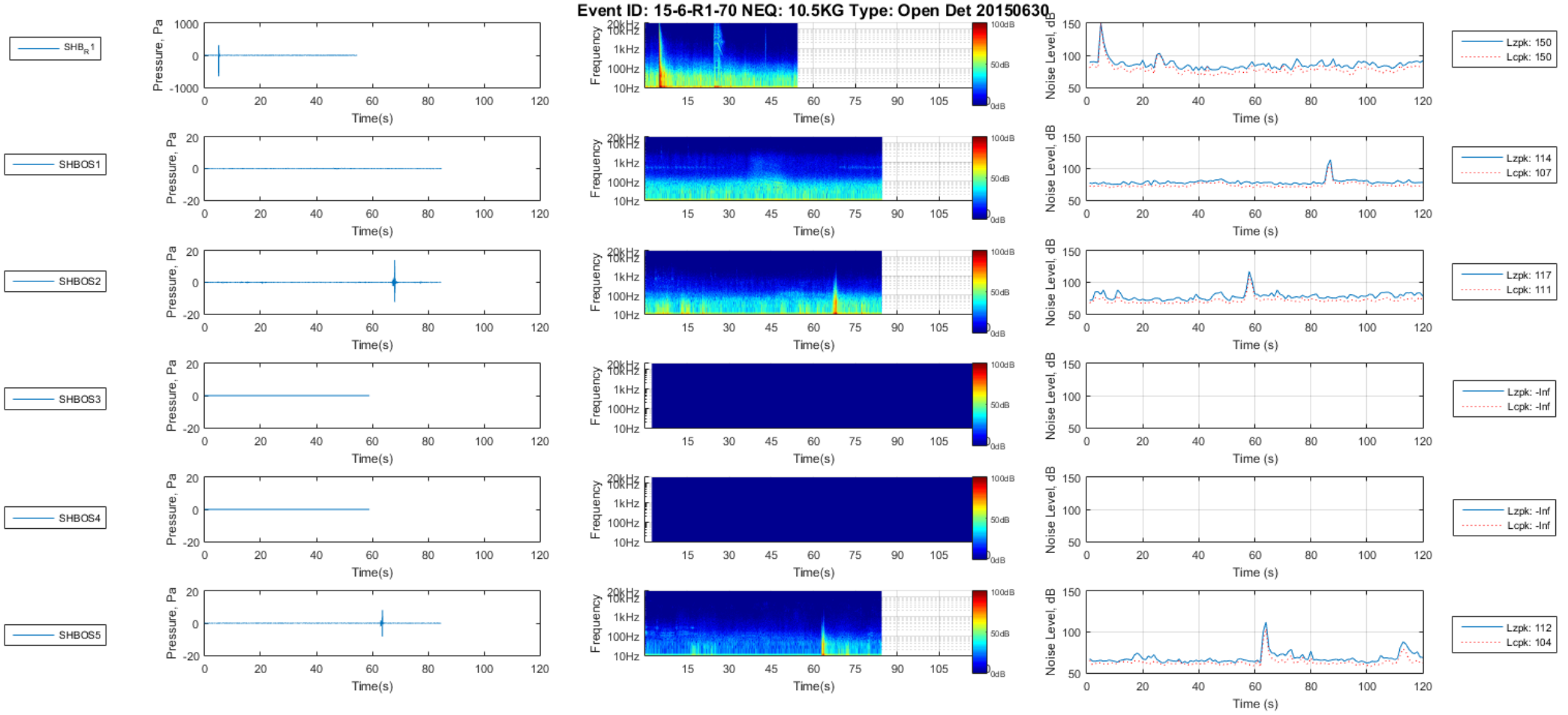


FIGURE 2.66: SHB_OS 1 - 5 15-6-R1-70

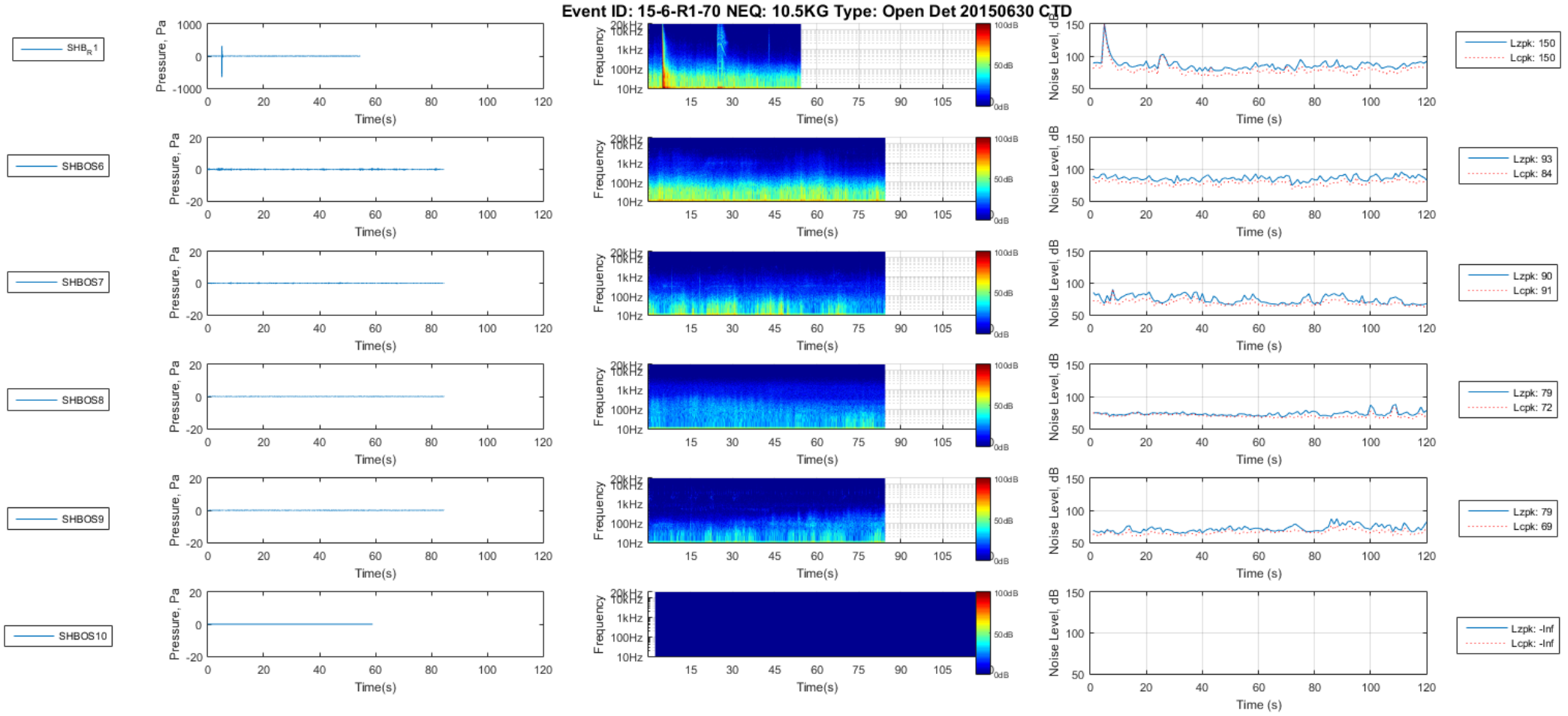


FIGURE 2.67: SHB_OS 6 - 10 15-6-R1-70

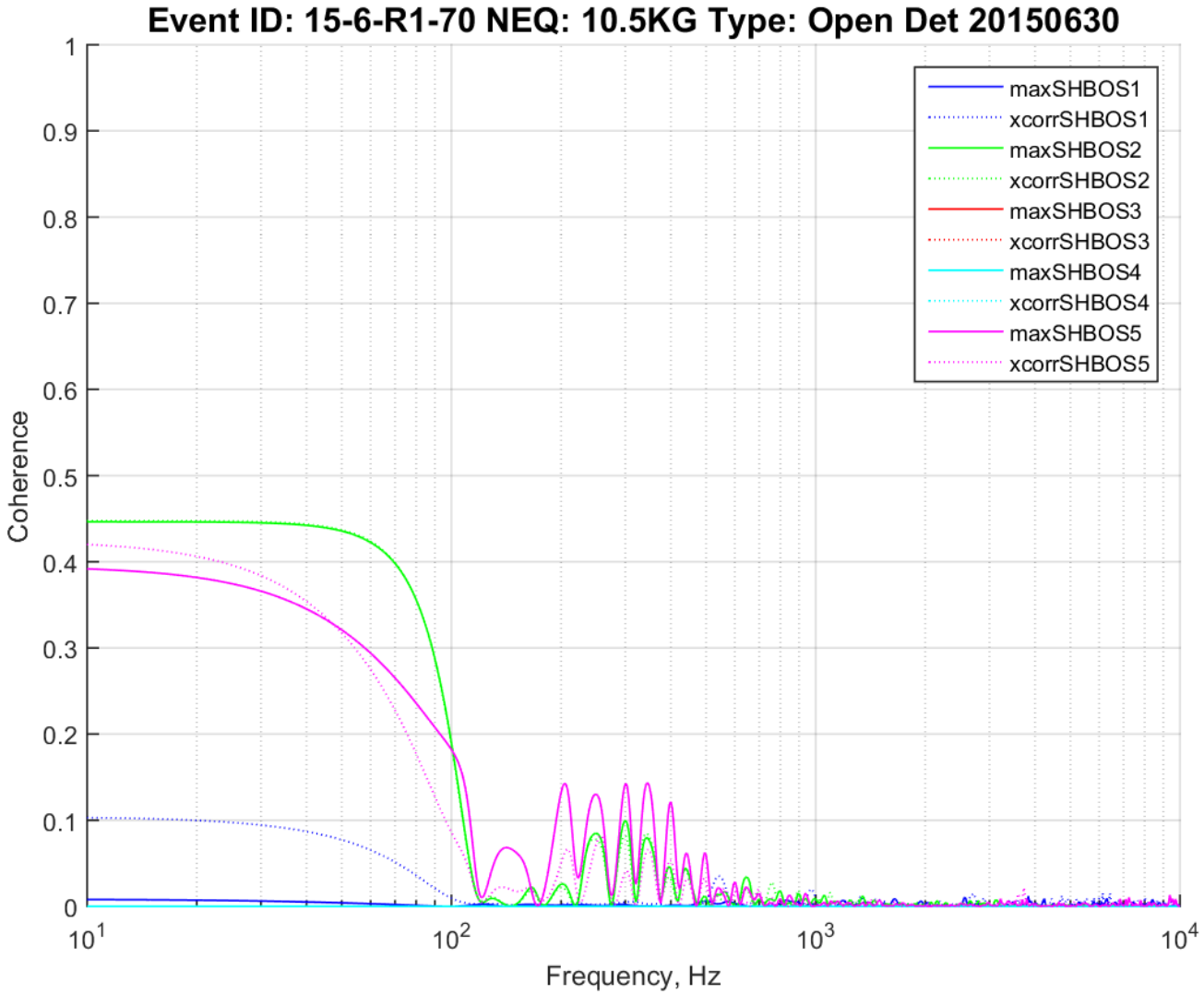


FIGURE 2.68: COHERENCE SHB_OS 1 - 5 15-6-R1-70

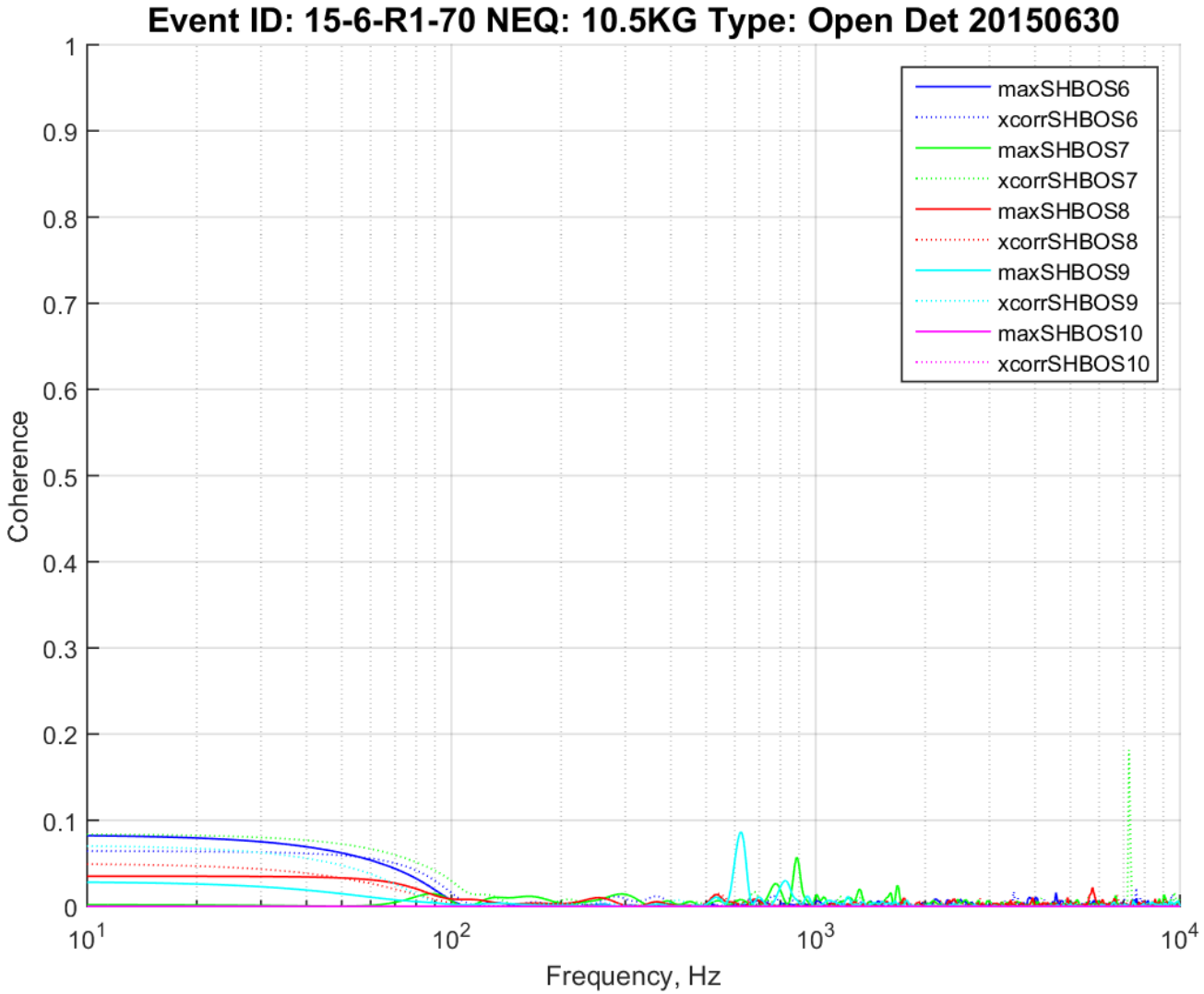


FIGURE 2.69: COHERENCE SHB_OS 6 - 10 15-6-R1-70CTD

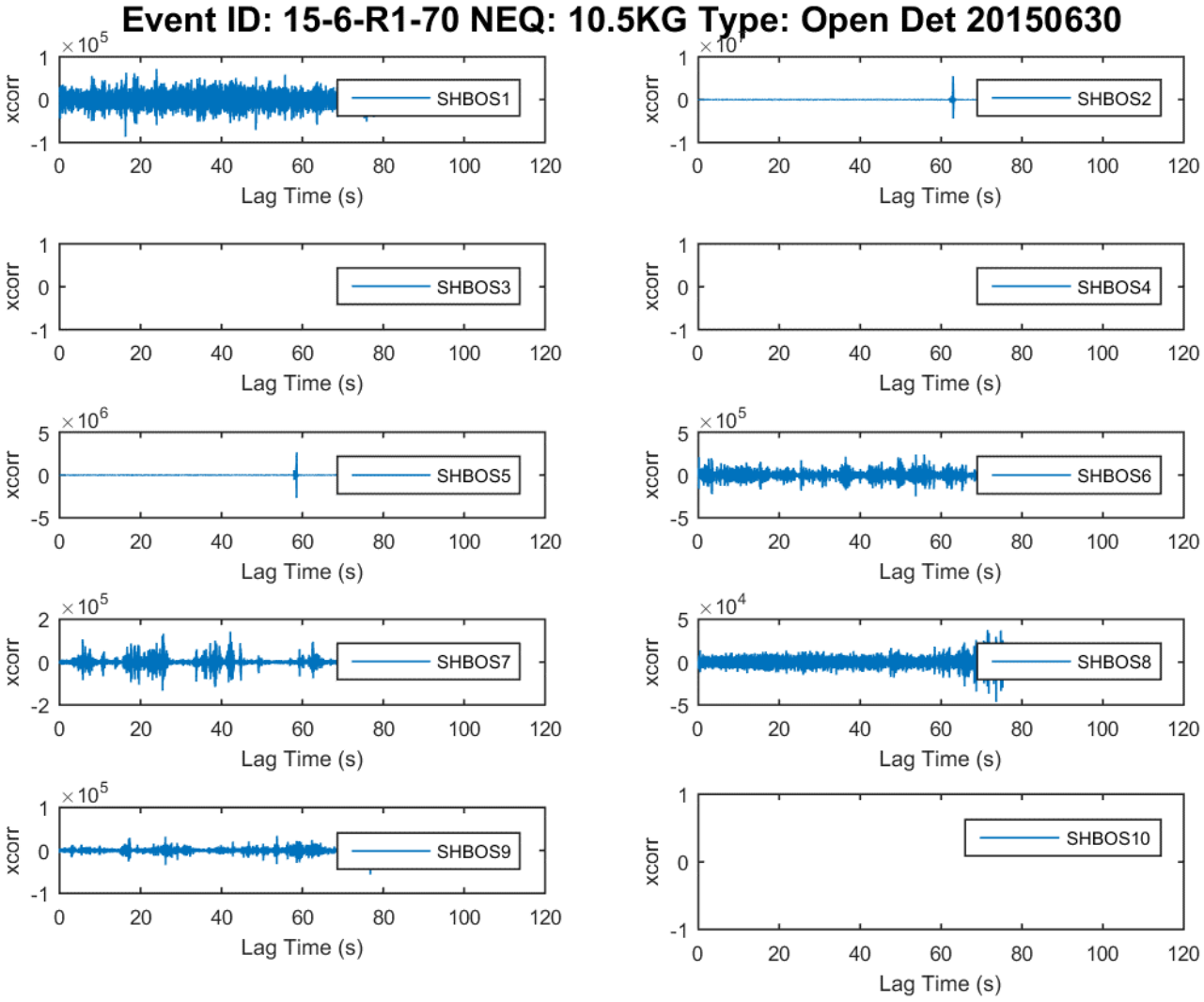


FIGURE 2.70: CROSS CORRELATION SHB_OS 1 - 10 15-6-R1-70

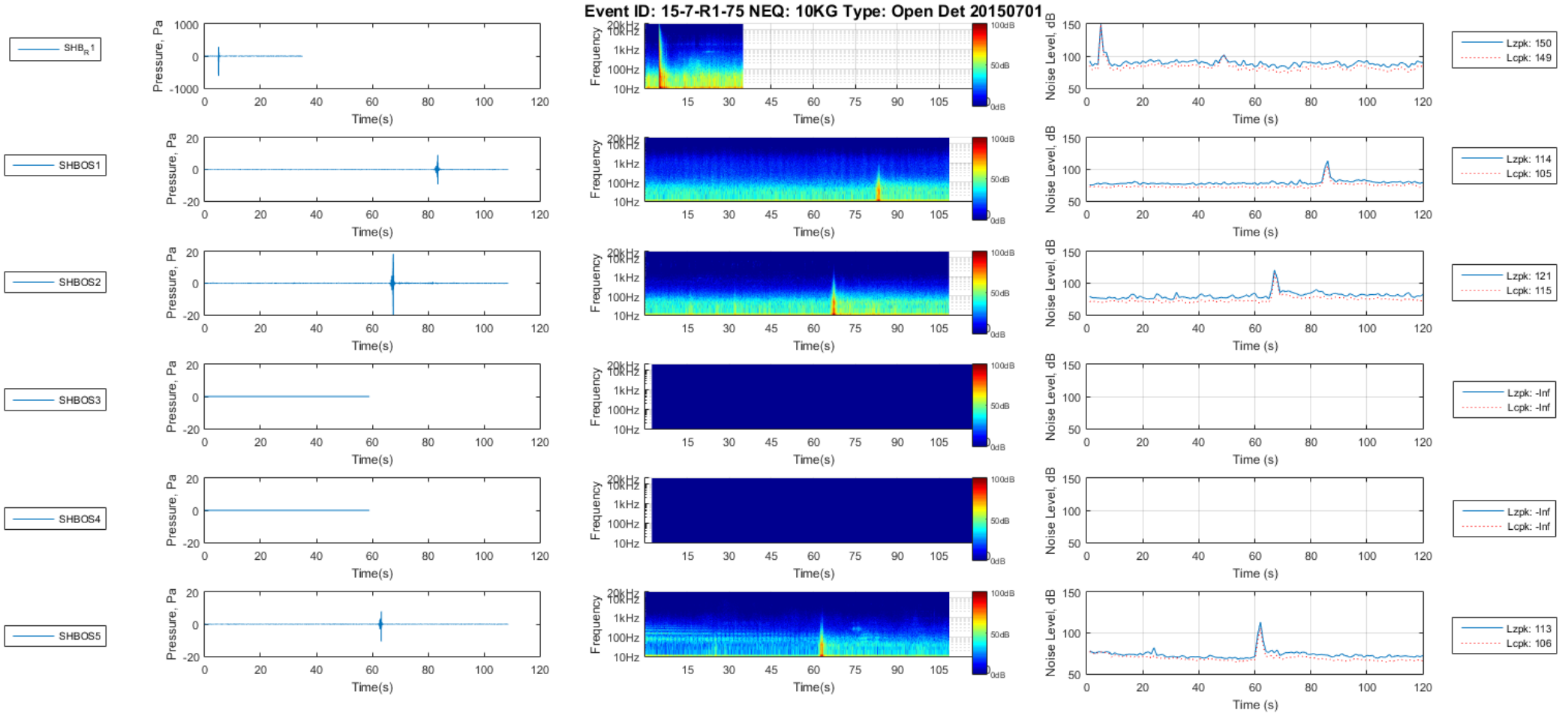


FIGURE 2.71: SHB_OS 1 - 5 15-7-R1-75

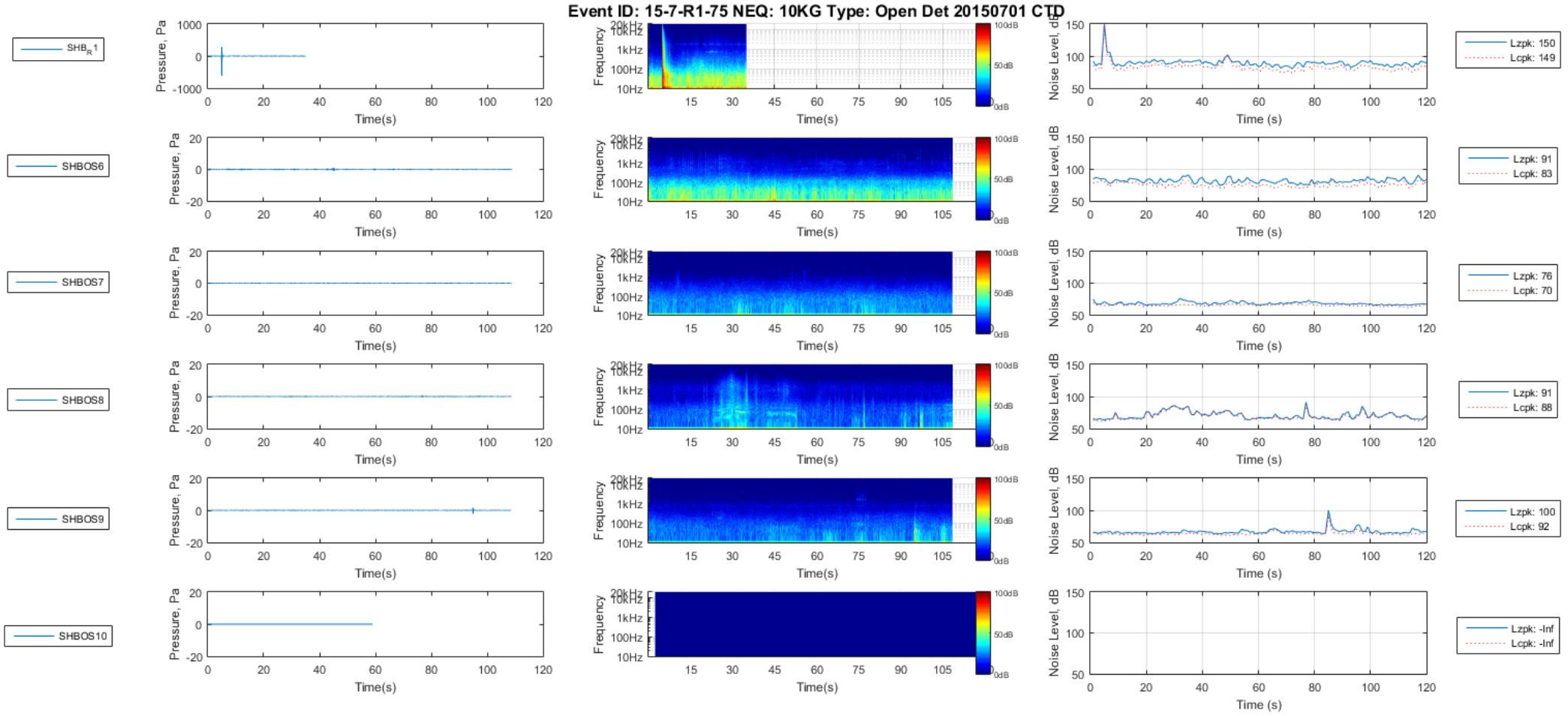


FIGURE 2.72: SHB_OS 6 - 10 15-7-R1-75

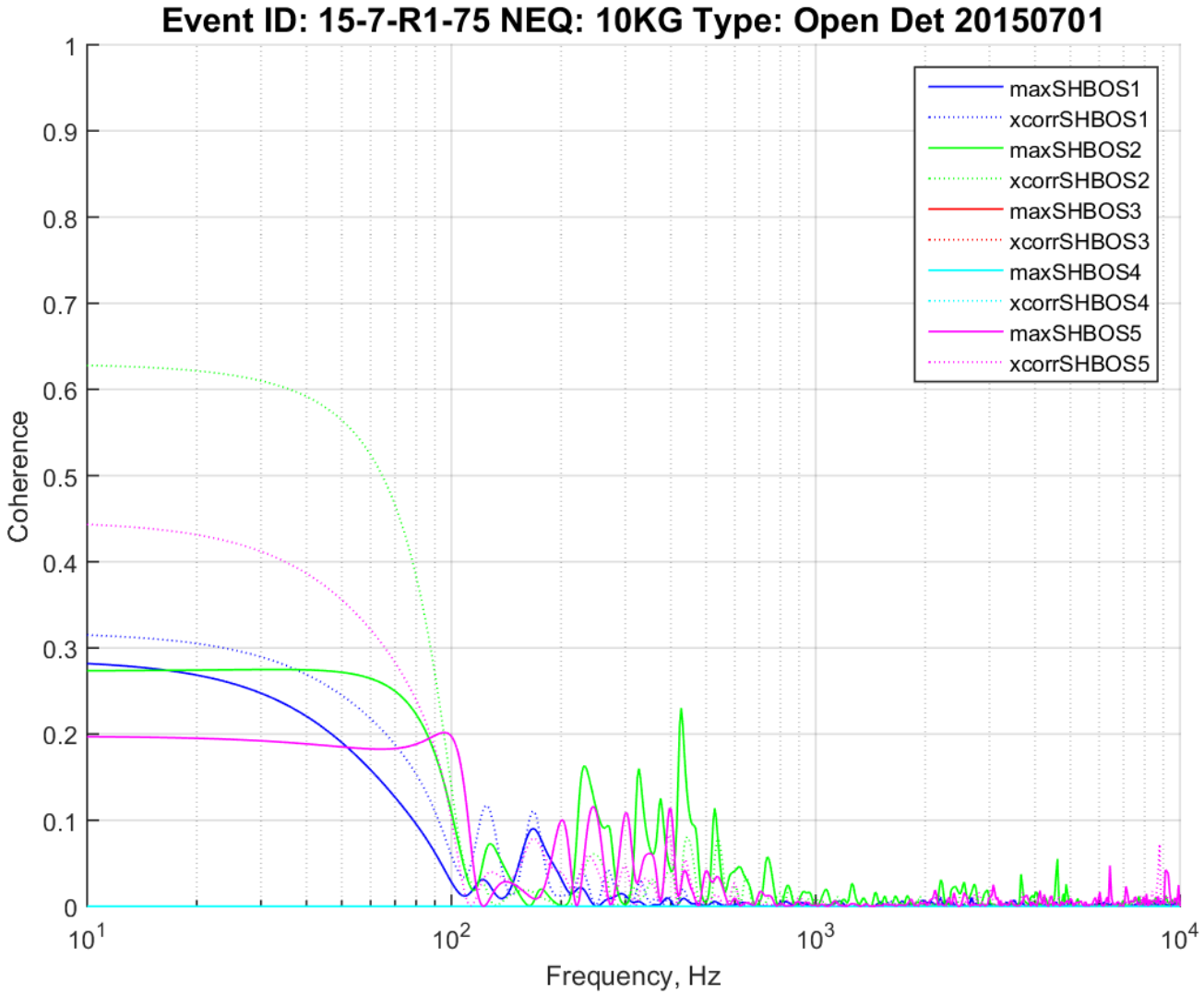


FIGURE 2.73: COHERENCE SHB_OS 1 - 5 15-7-R1-75

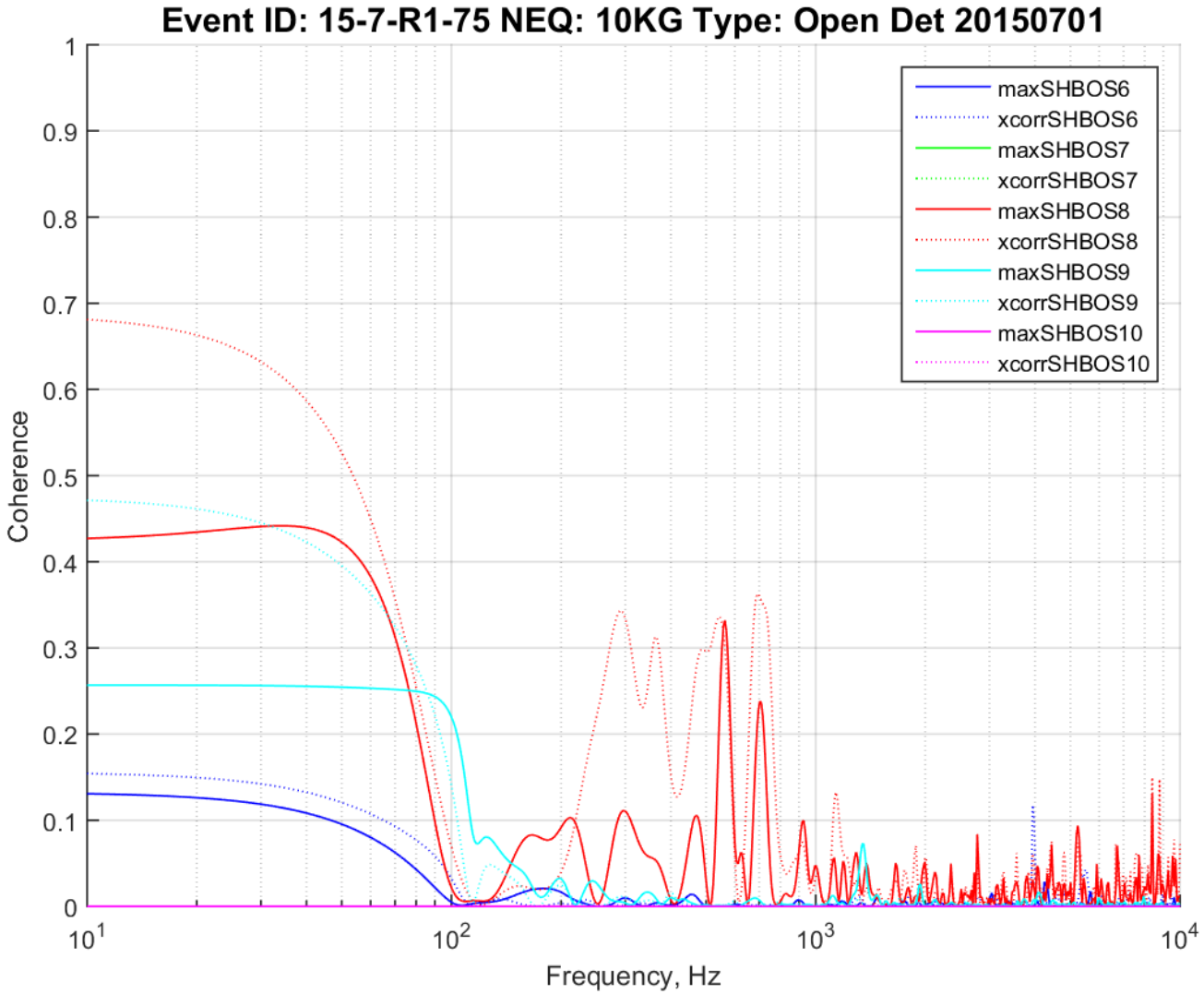


FIGURE 2.74: COHERENCE SHB_OS 6 - 10 15-7-R1-75CTD

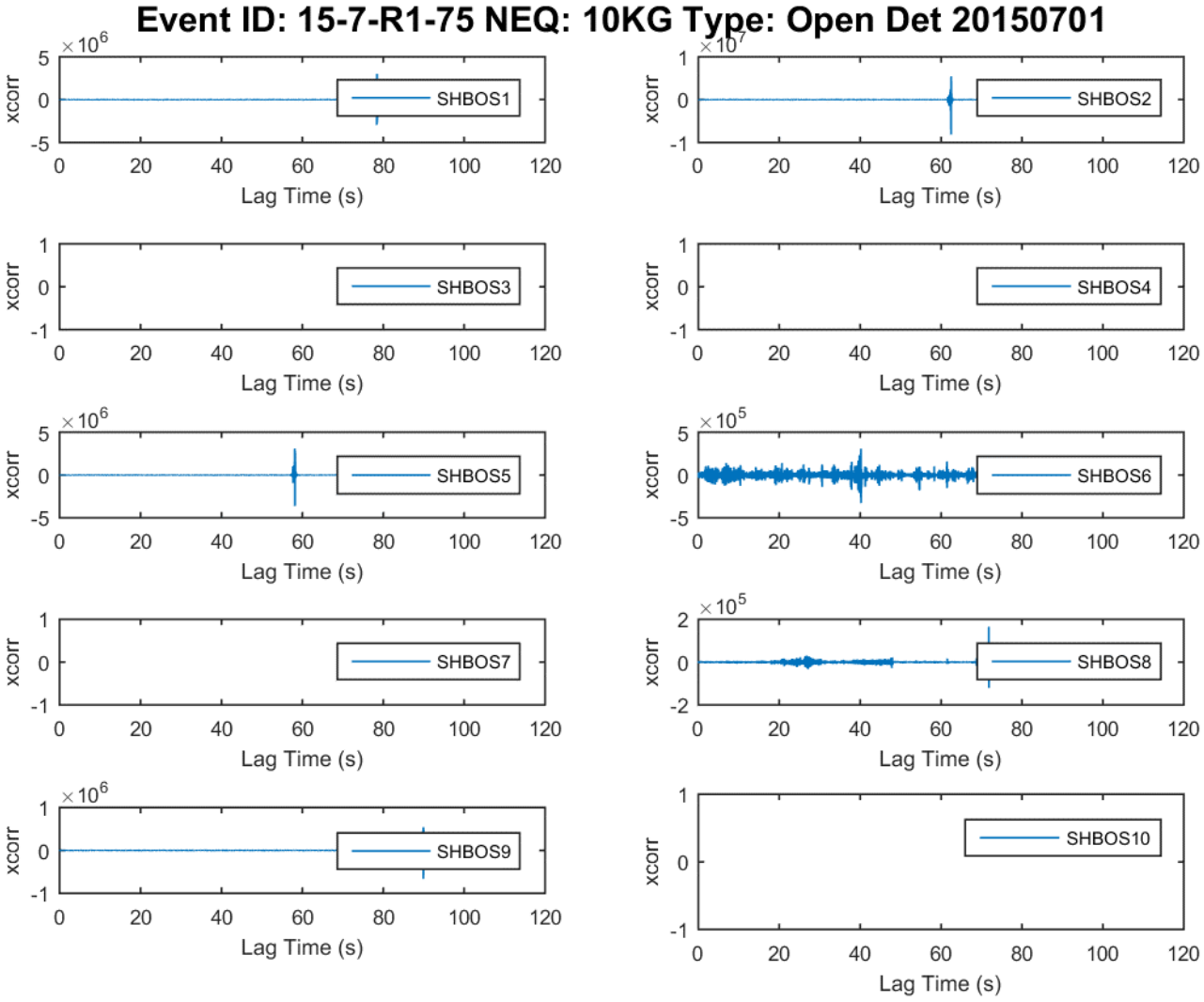
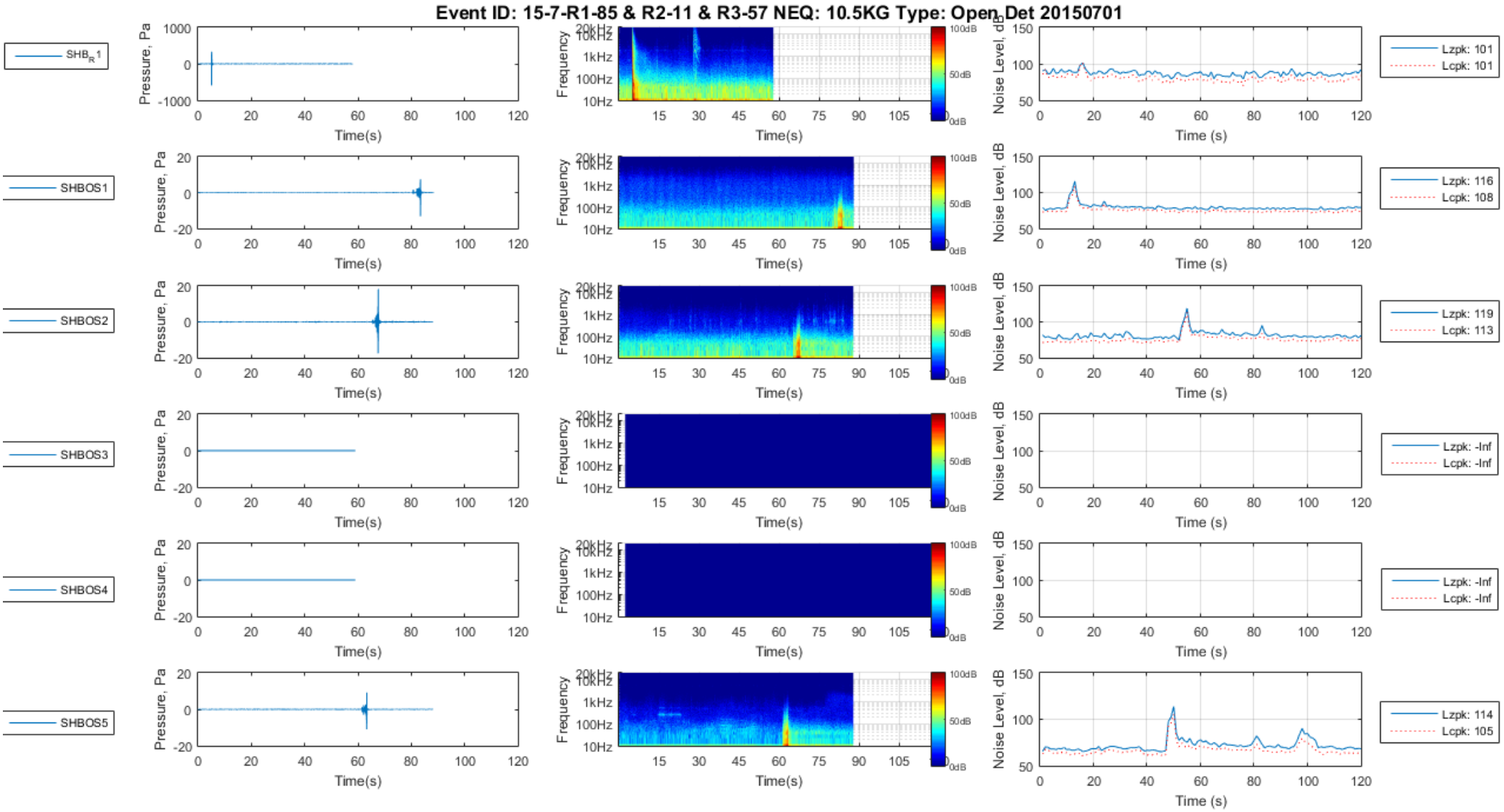
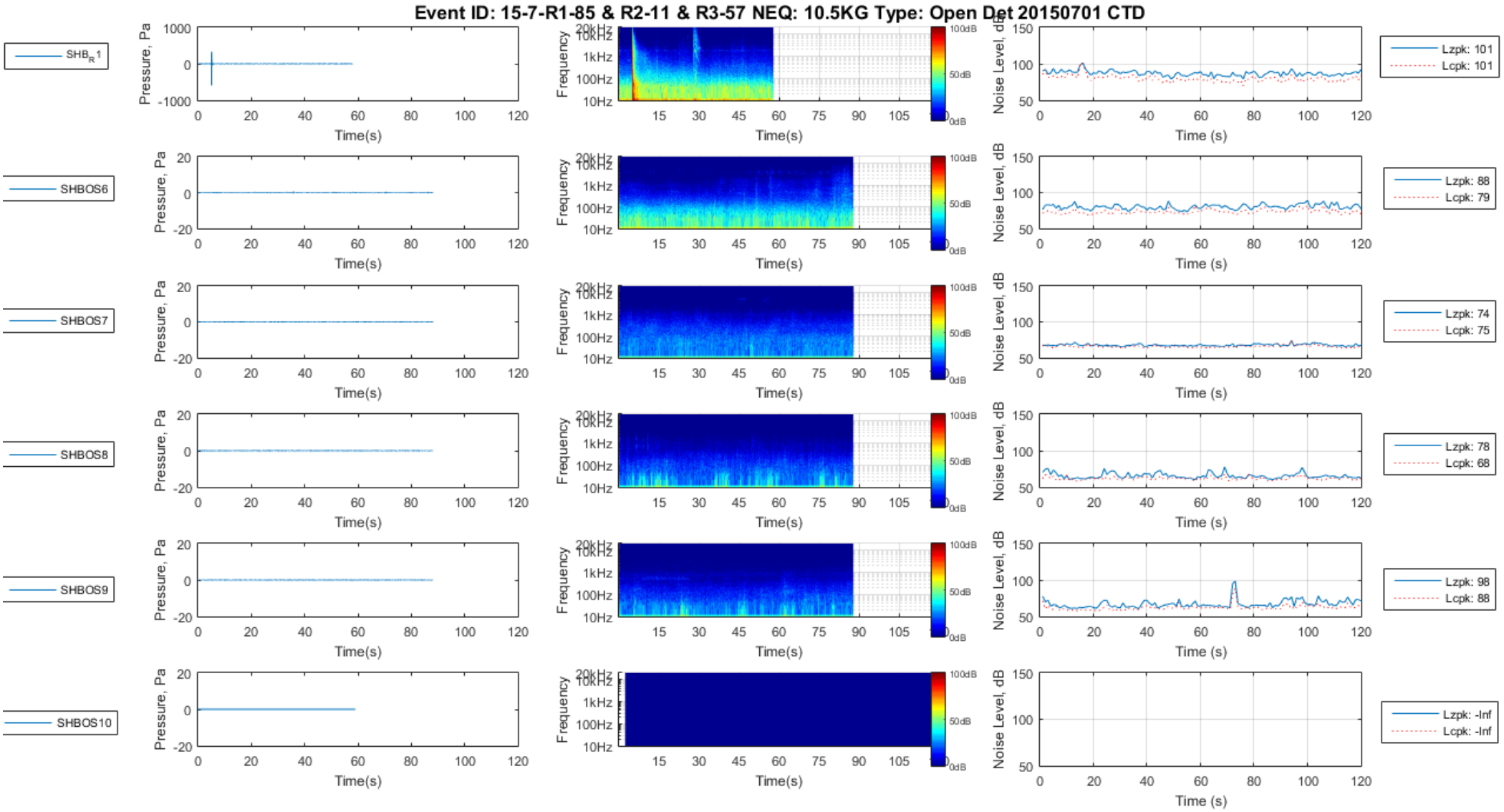


FIGURE 2.75: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-75


Event ID: 15-7-R1-85 & R2-11 & R3-57 NEQ: 10.5KG Type: Open Det 20150701
SHB_R1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 101
Lcpk: 101
Lzpk: 116
Lcpk: 108
Lzpk: 119
Lcpk: 113
Lzpk: -Inf
Lcpk: -Inf
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 114
Lcpk: 105


Event ID: 15-7-R1-85 & R2-11 & R3-57 NEQ: 10.5KG Type: Open Det 20150701 CTD
SHB$_R$1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 101
Lcpk: 101
Lzpk: 88
Lcpk: 79
Lzpk: 74
Lcpk: 75
Lzpk: 78
Lcpk: 68
Lzpk: 98
Lcpk: 88
Lzpk: -Inf
Lcpk: -Inf

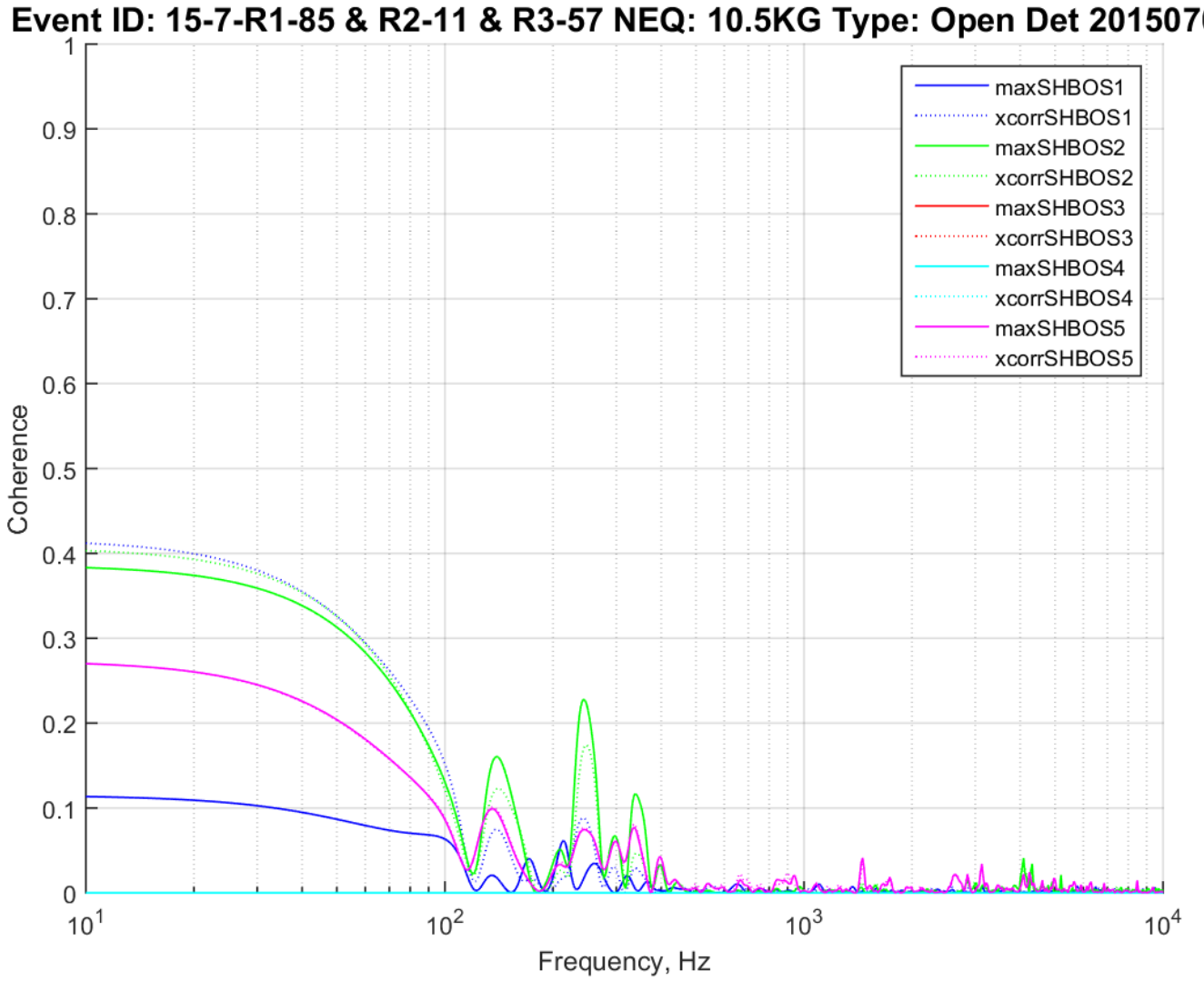


FIGURE 2.78: COHERENCE SHB_OS 1 - 5 15-7-R1-85 & R2-11 & R3-57

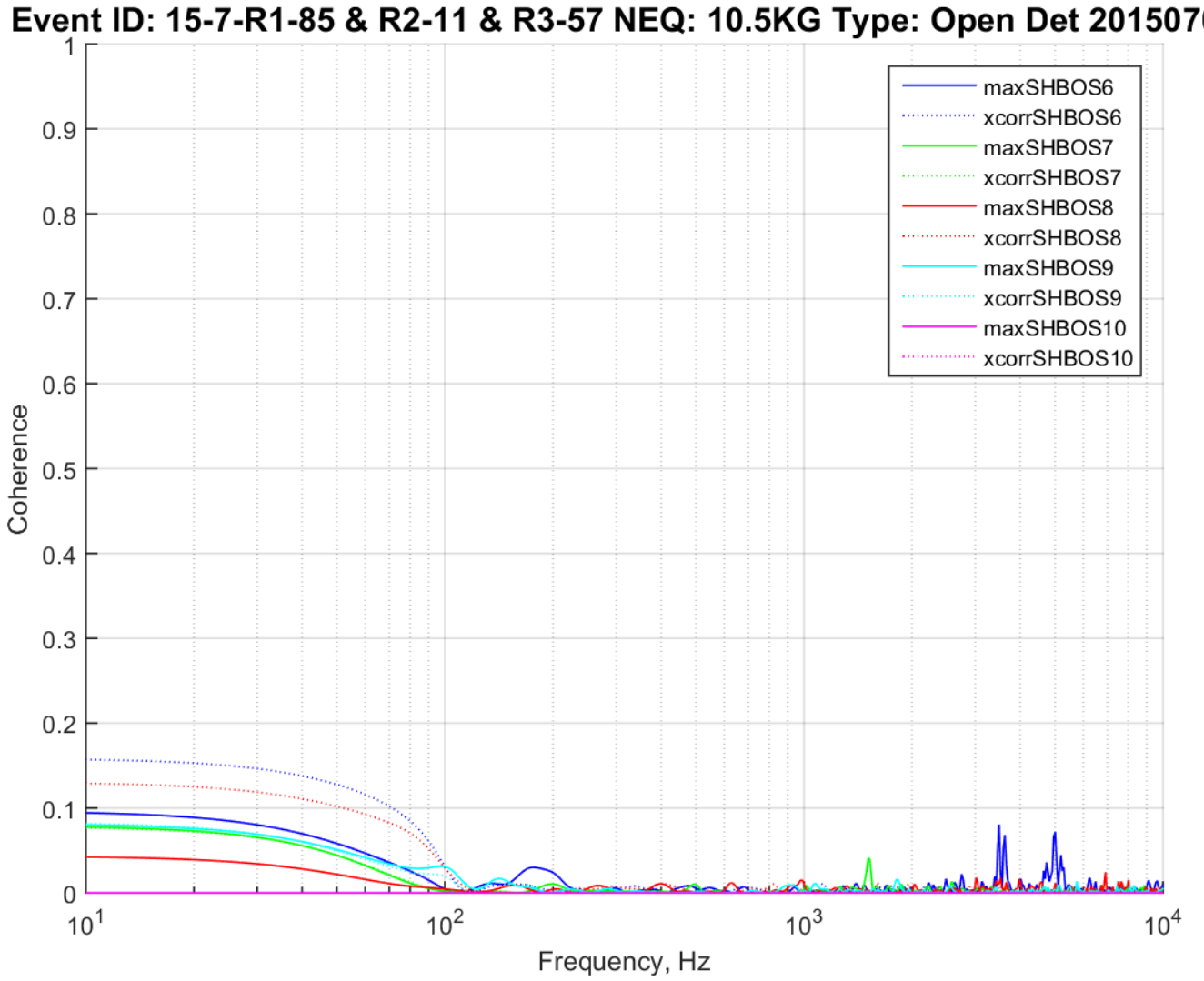


FIGURE 2.79: COHERENCE SHB_OS 6 - 10 15-7-R1-85 & R2-11 & R3-57CTD

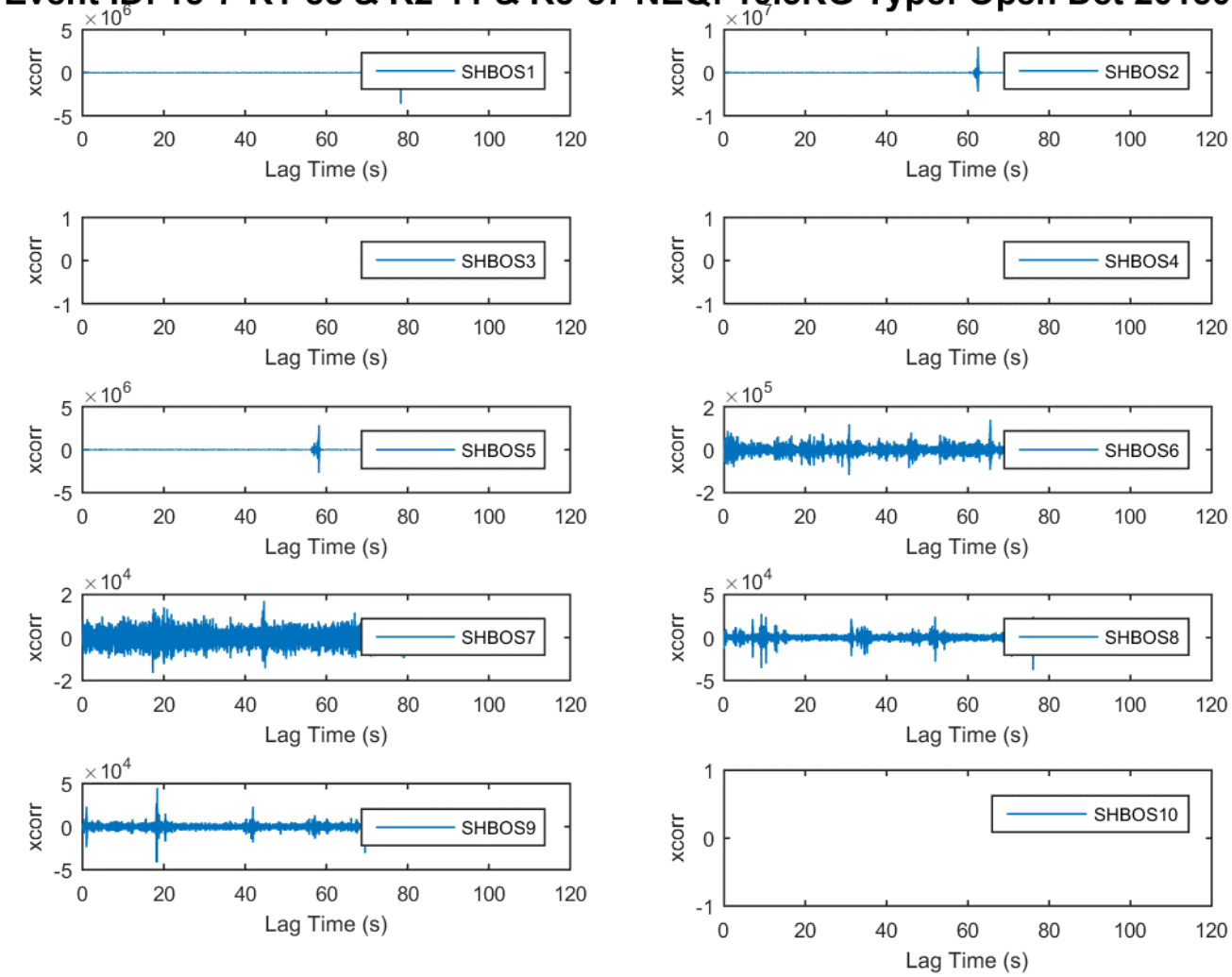
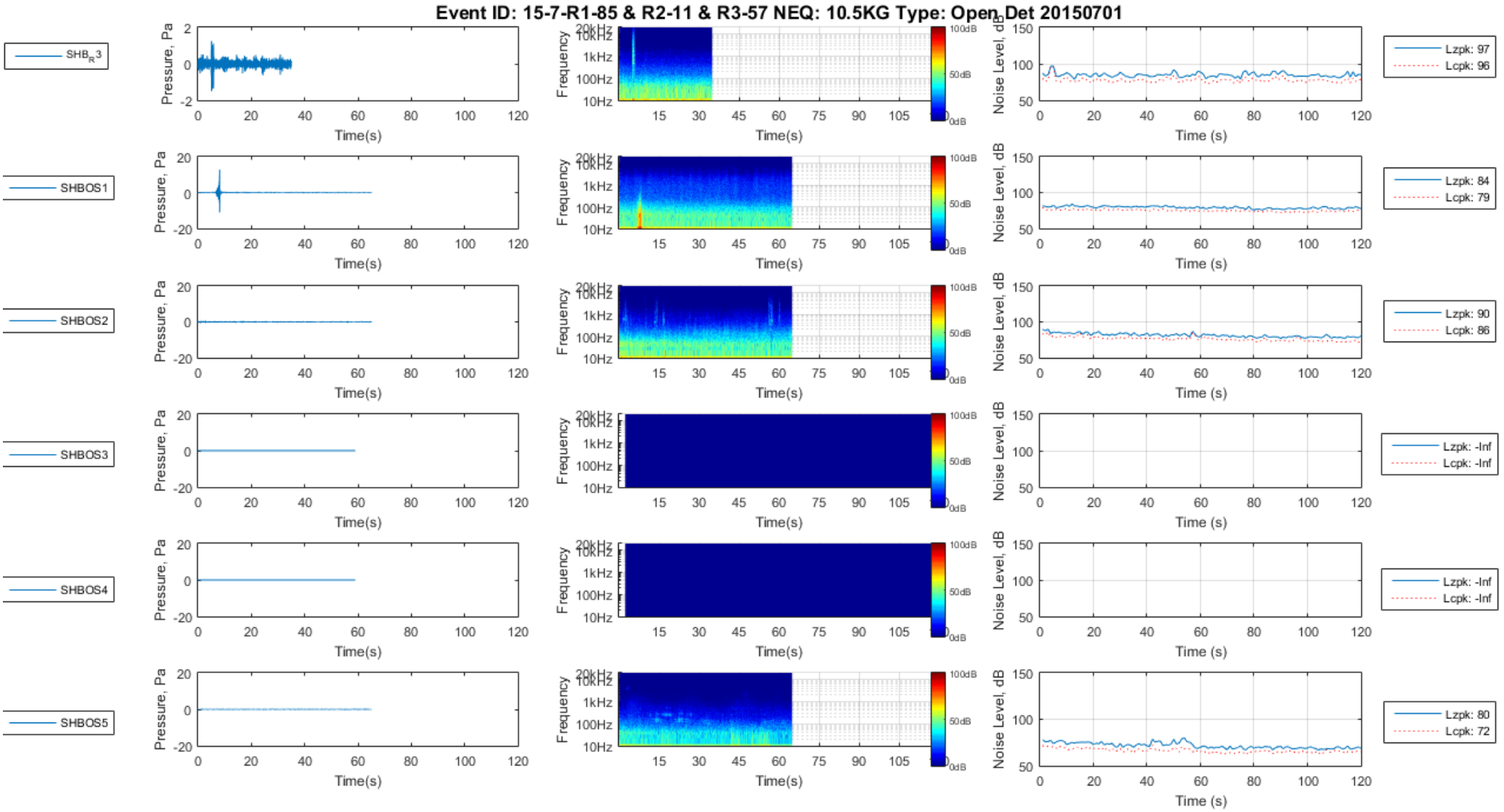
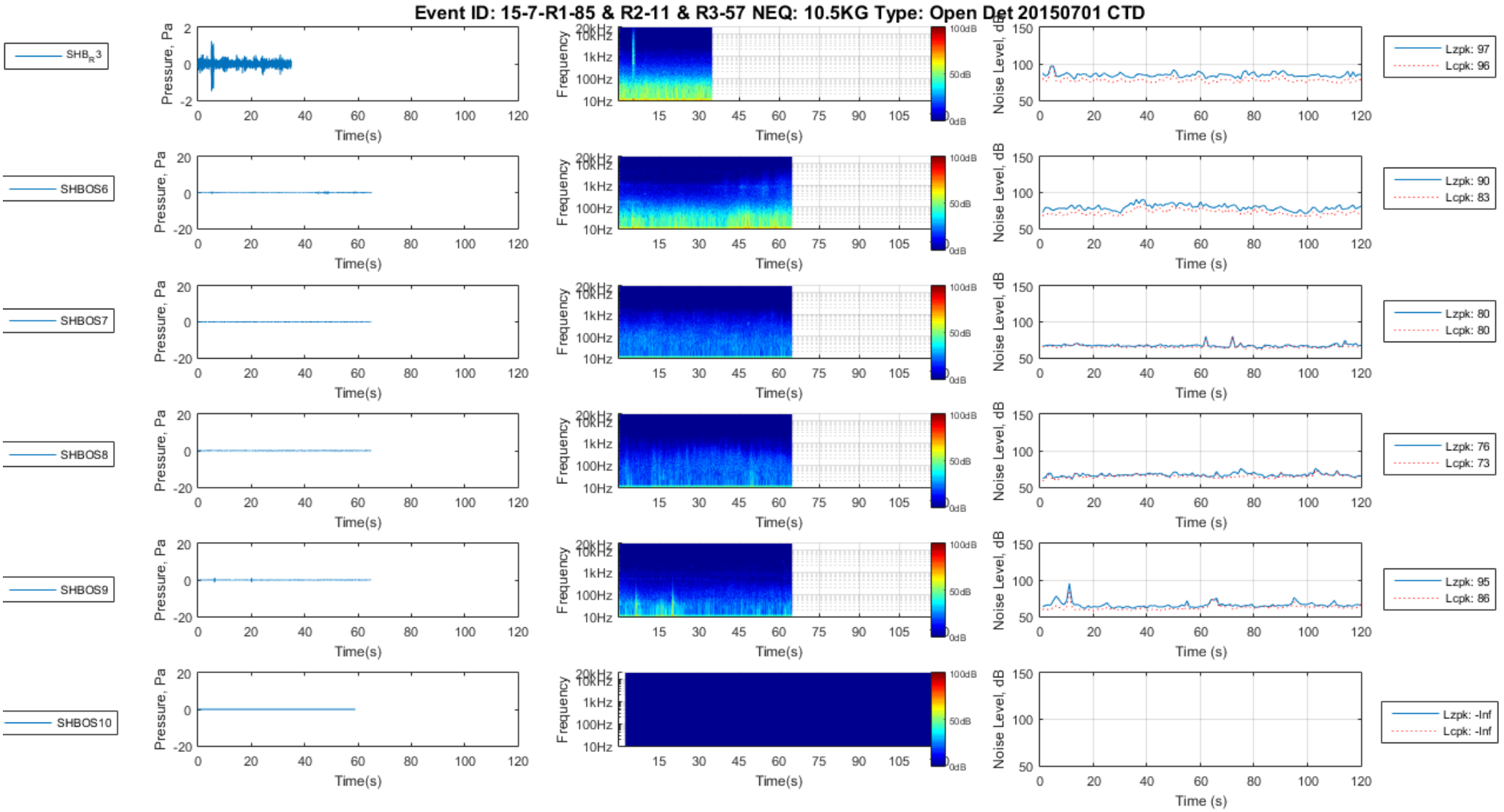


FIGURE 2.80: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-85 & R2-11 & R3-57


Event ID: 15-7-R1-85 & R2-11 & R3-57 NEQ: 10.5KG Type: Open Det 20150701
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 97
Lcpk: 96
Lzpk: 84
Lcpk: 79
Lzpk: 90
Lcpk: 86
Lzpk: -Inf
Lcpk: -Inf
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 80
Lcpk: 72


Event ID: 15-7-R1-85 & R2-11 & R3-57 NEQ: 10.5KG Type: Open Det 20150701 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 97
Lcpk: 96
Lzpk: 90
Lcpk: 83
Lzpk: 80
Lcpk: 80
Lzpk: 76
Lcpk: 73
Lzpk: 95
Lcpk: 86
Lzpk: -Inf
Lcpk: -Inf

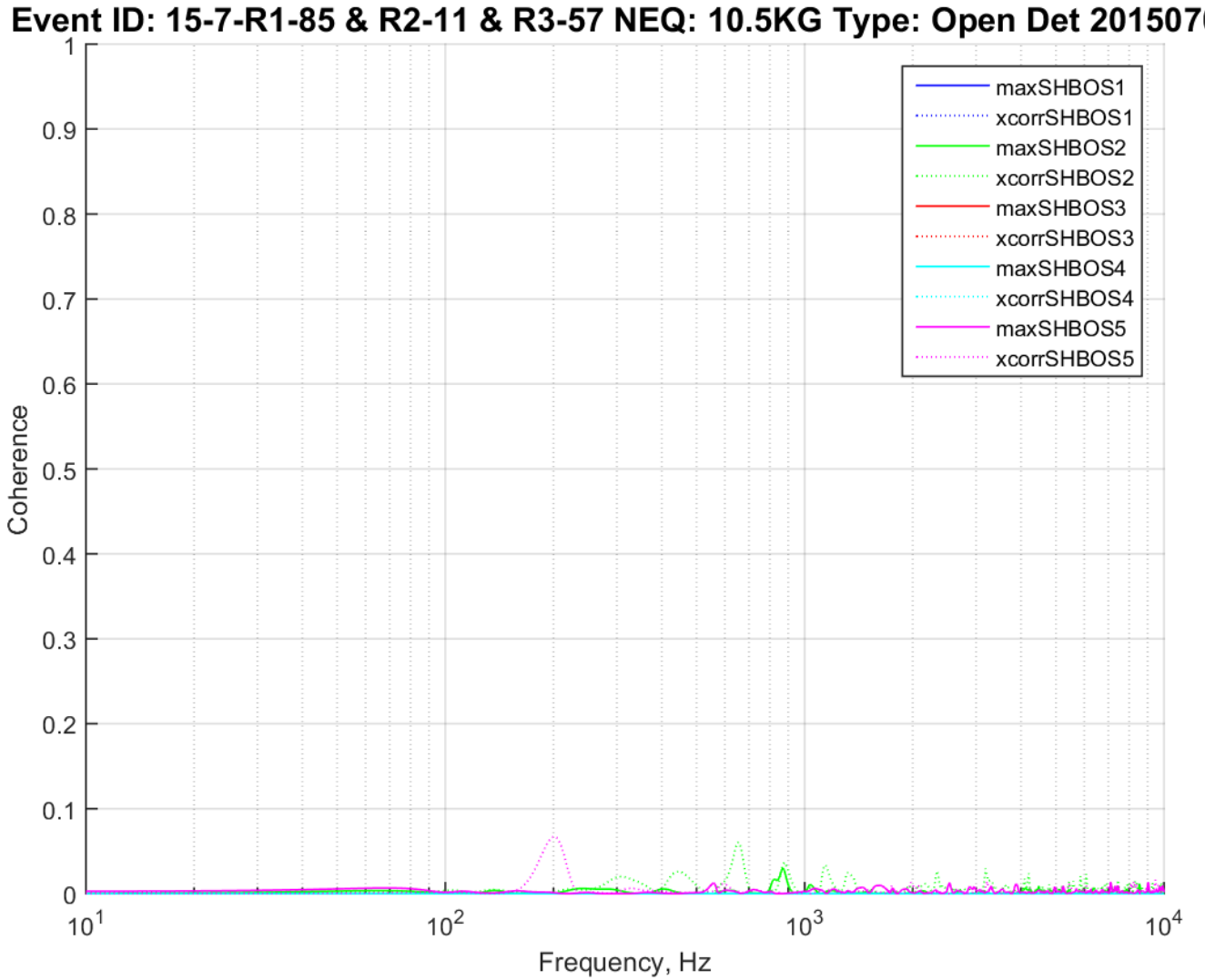


FIGURE 2.83: COHERENCE SHB_OS 1 - 5 15-7-R1-85 & R2-11 & R3-57

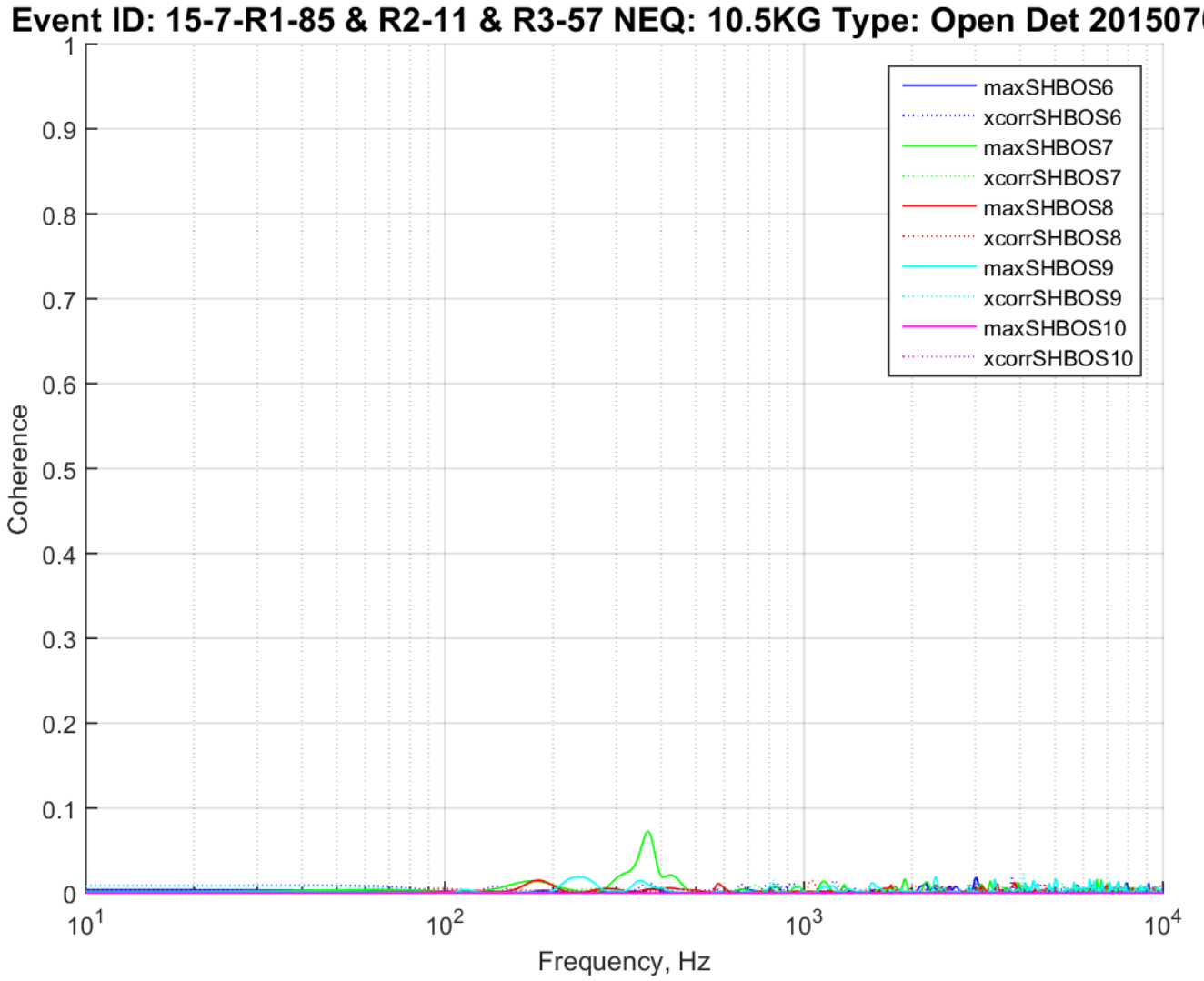


FIGURE 2.84: COHERENCE SHB_OS 6 - 10 15-7-R1-85 & R2-11 & R3-57CTD

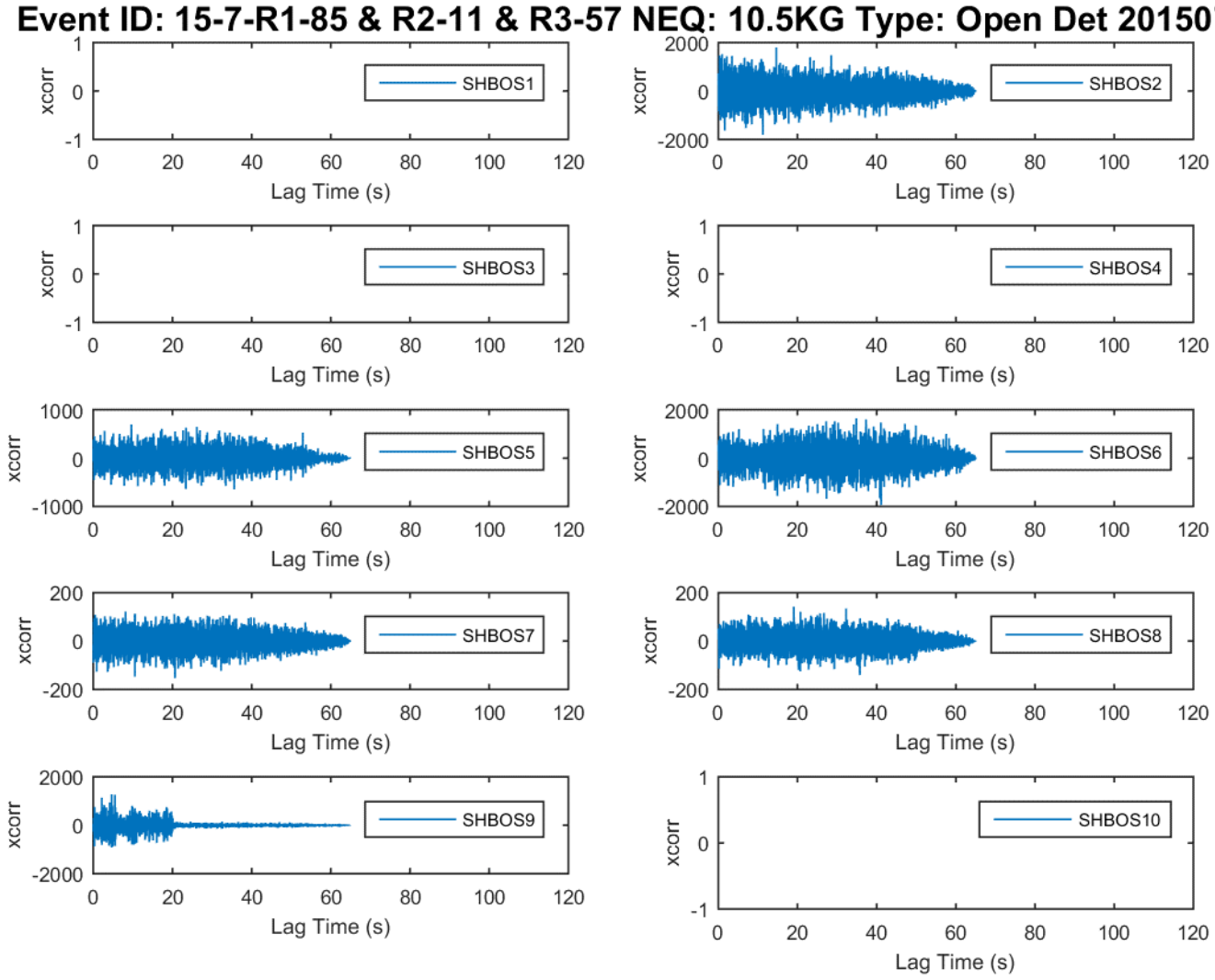


FIGURE 2.85: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-85 & R2-11 & R3-57

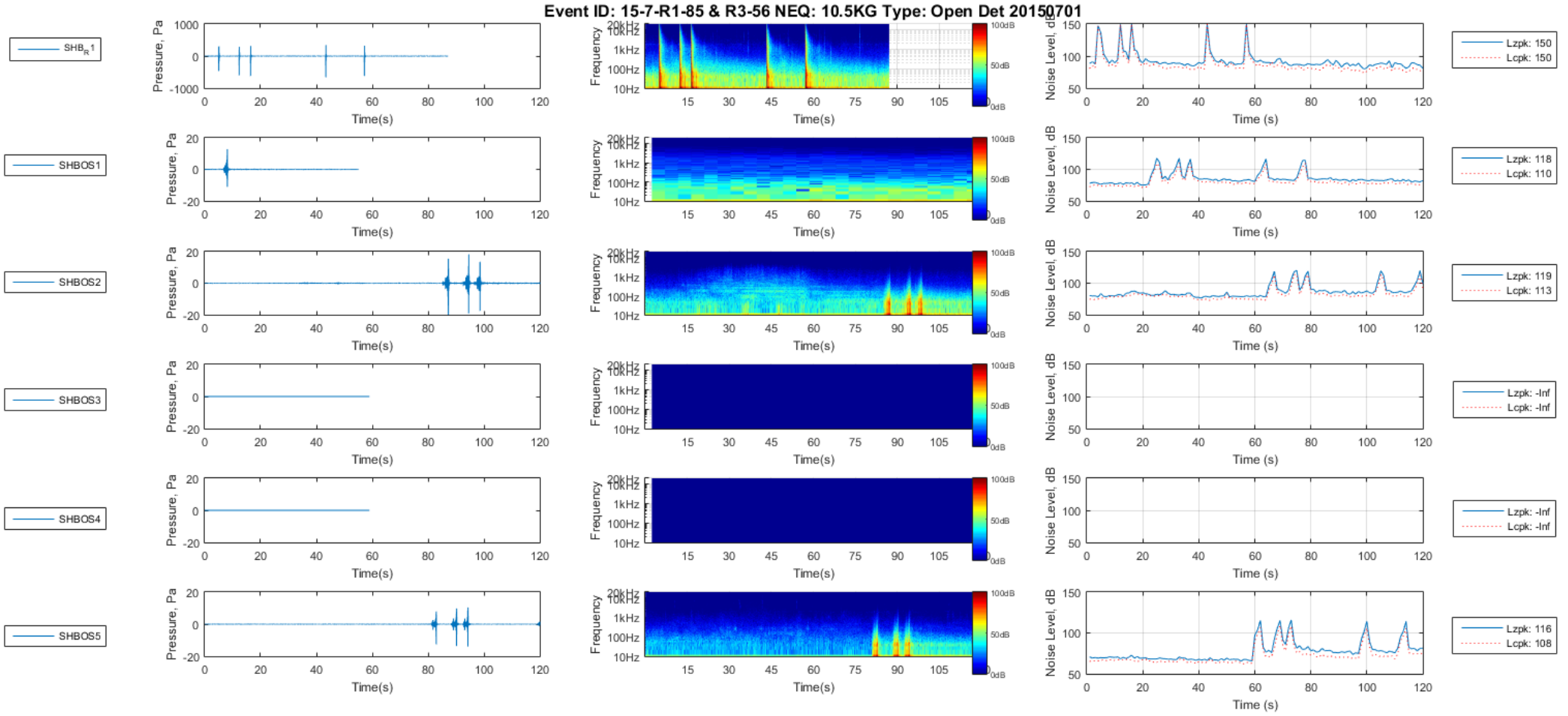


FIGURE 2.86: SHB_OS 1 - 5 15-7-R1-85 & R3-56

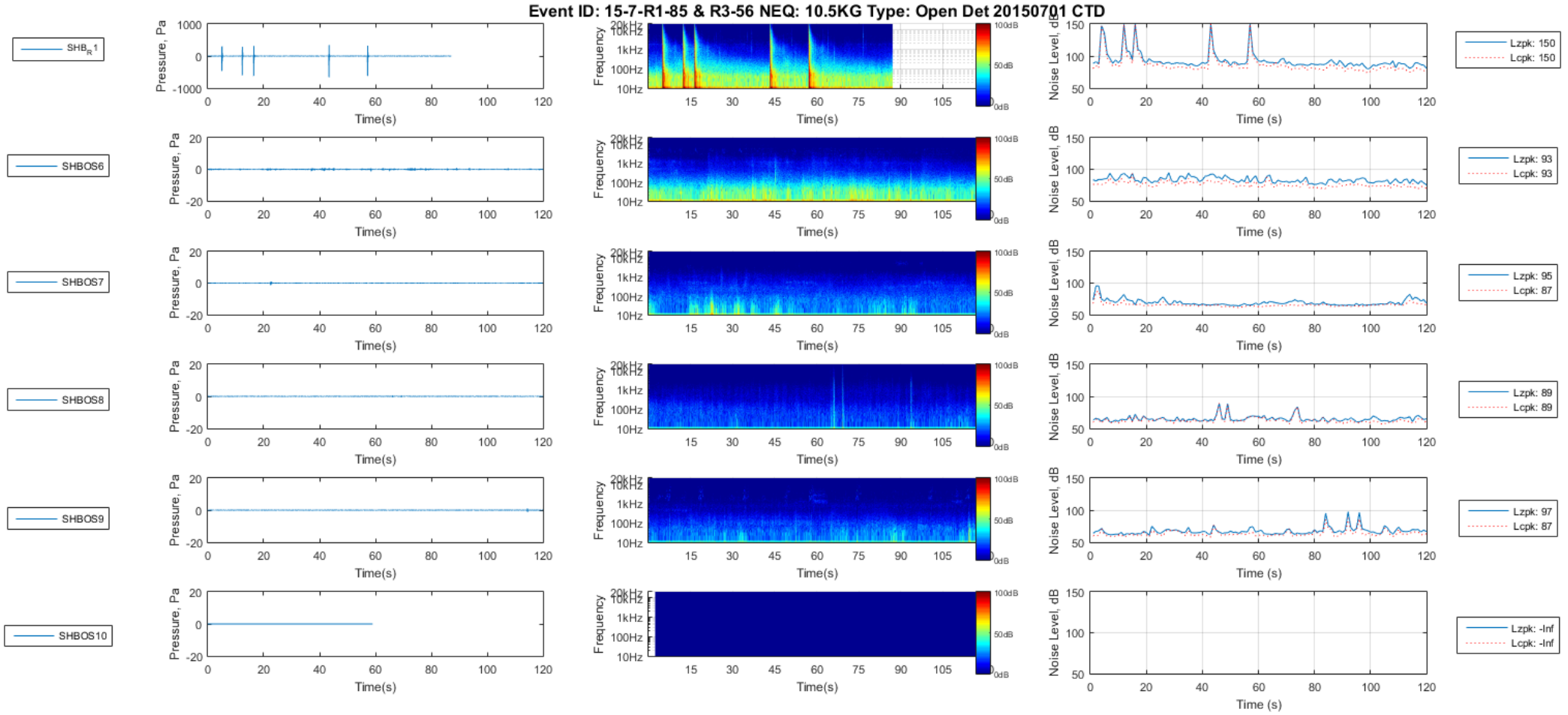


FIGURE 2.87: SHB_OS 6 - 10 15-7-R1-85 & R3-56

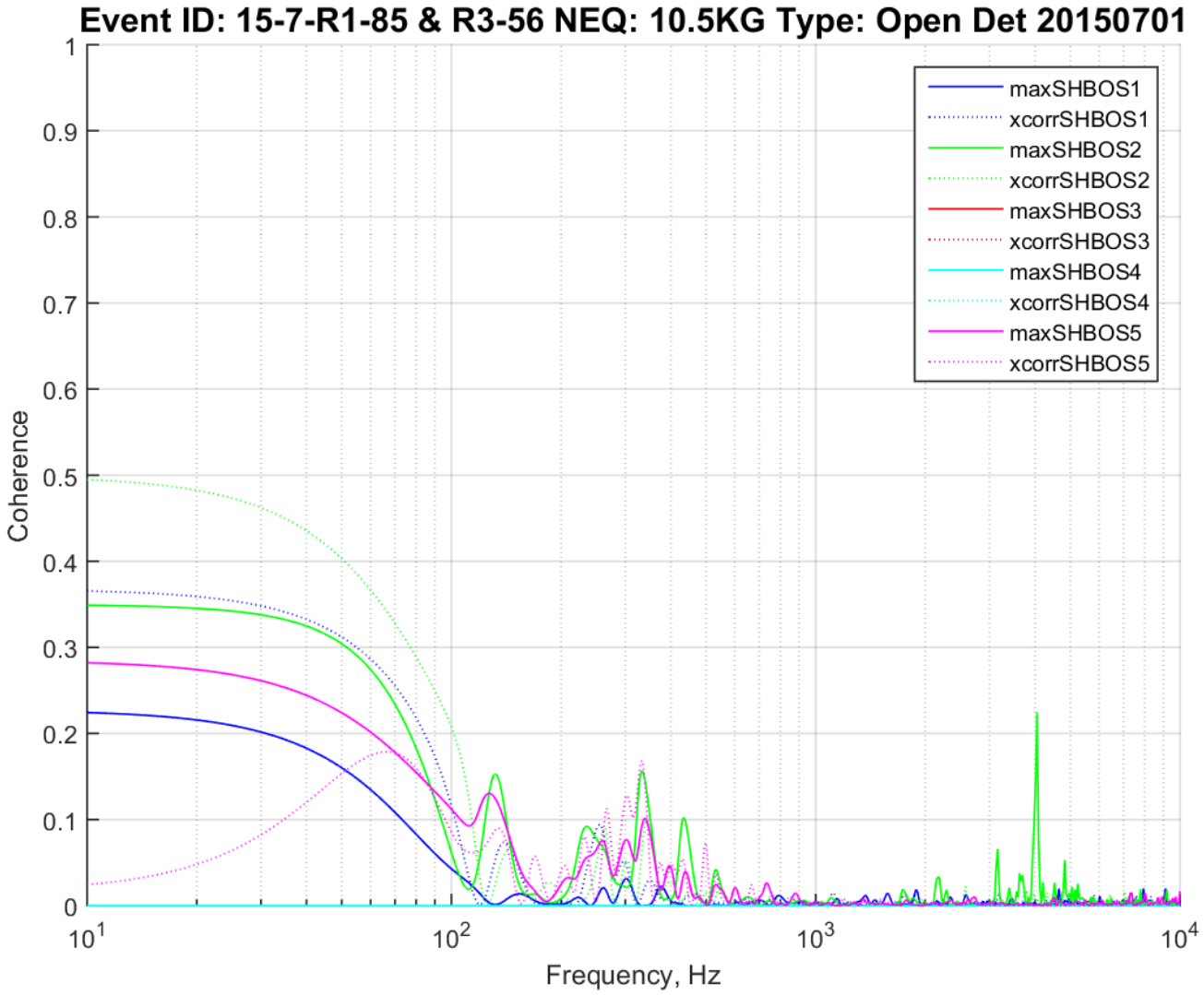


FIGURE 2.88: COHERENCE SHB_OS 1 - 5 15-7-R1-85 & R3-56

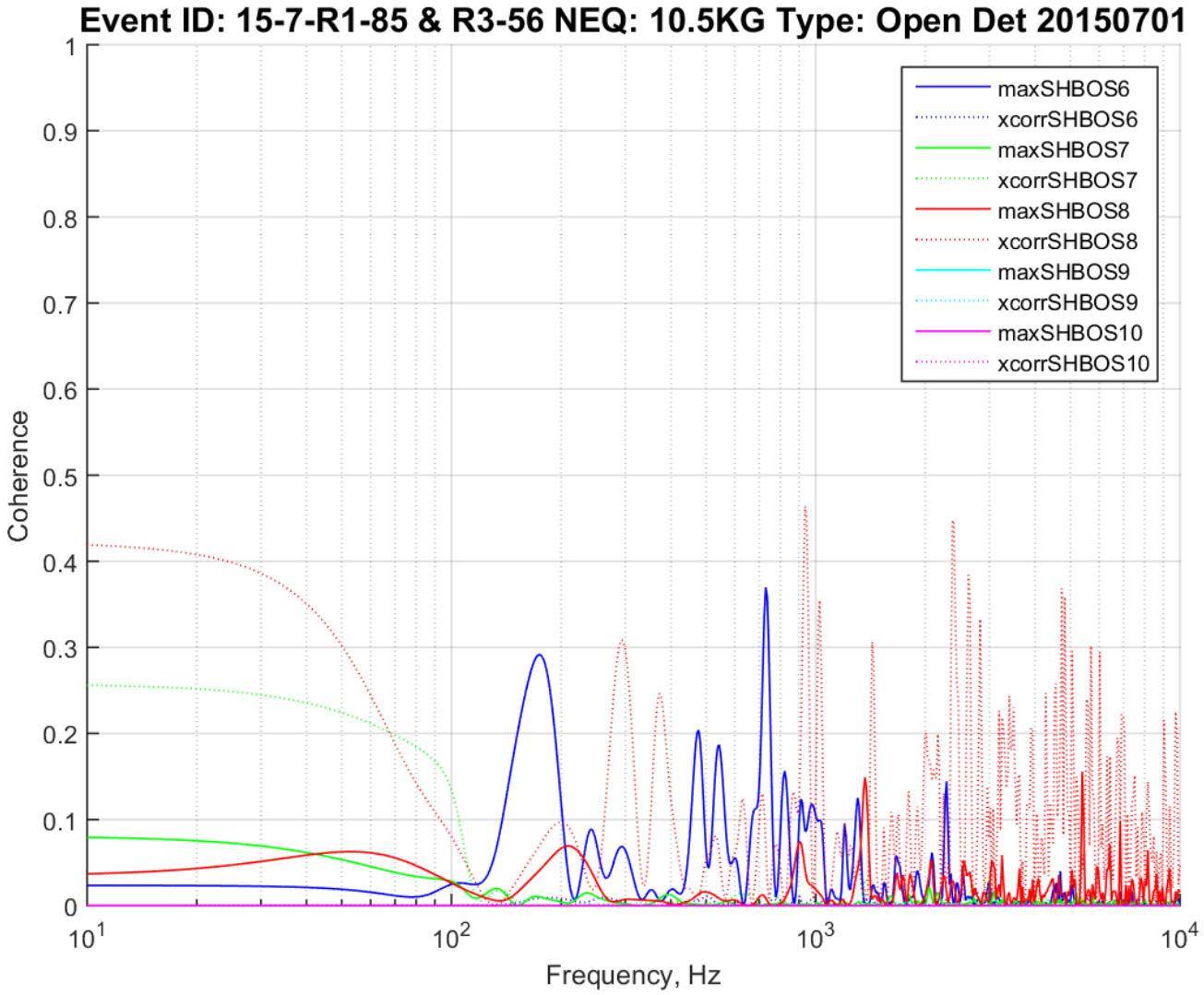


FIGURE 2.89: COHERENCE SHB_OS 6 - 10 15-7-R1-85 & R3-56CTD

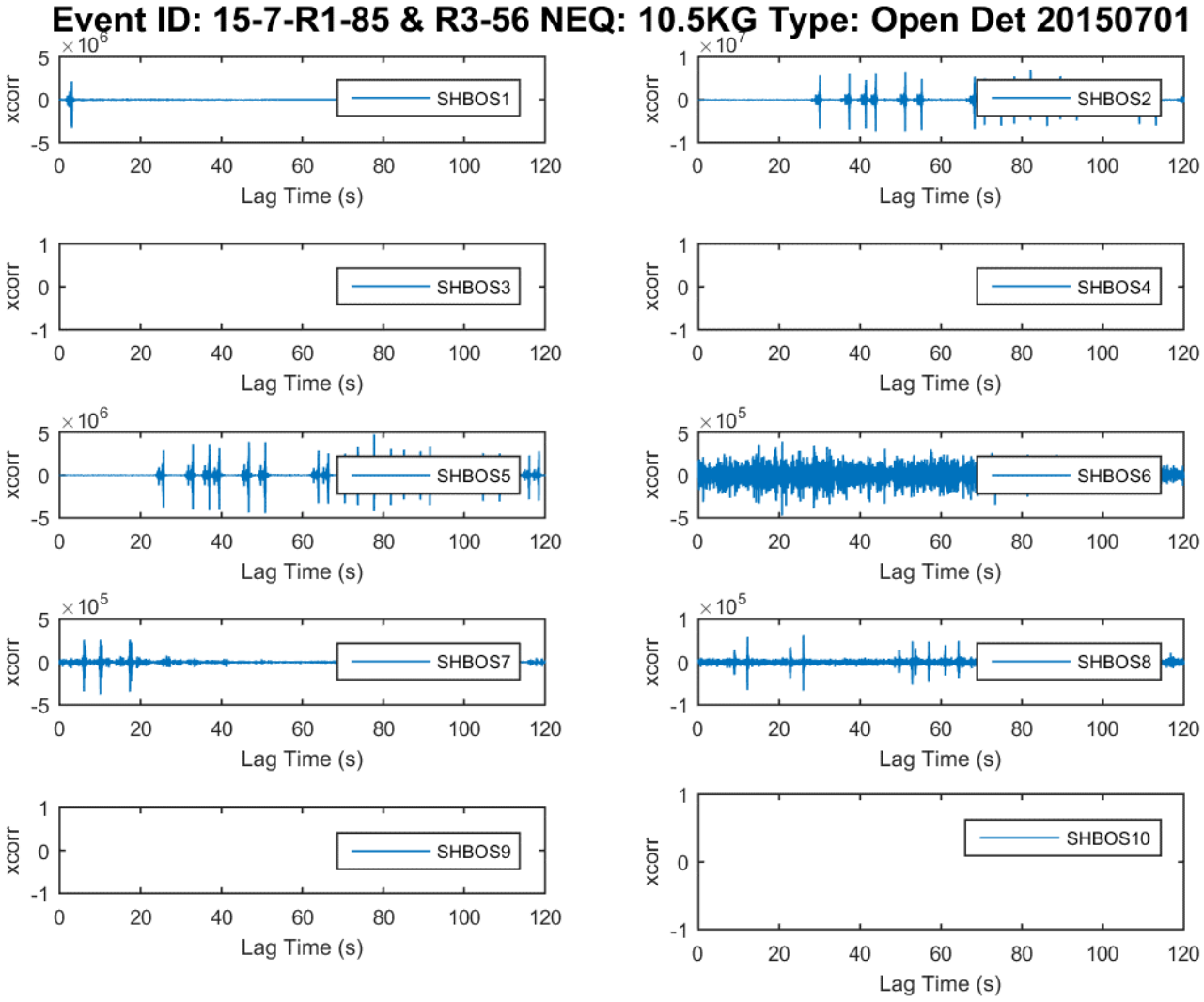
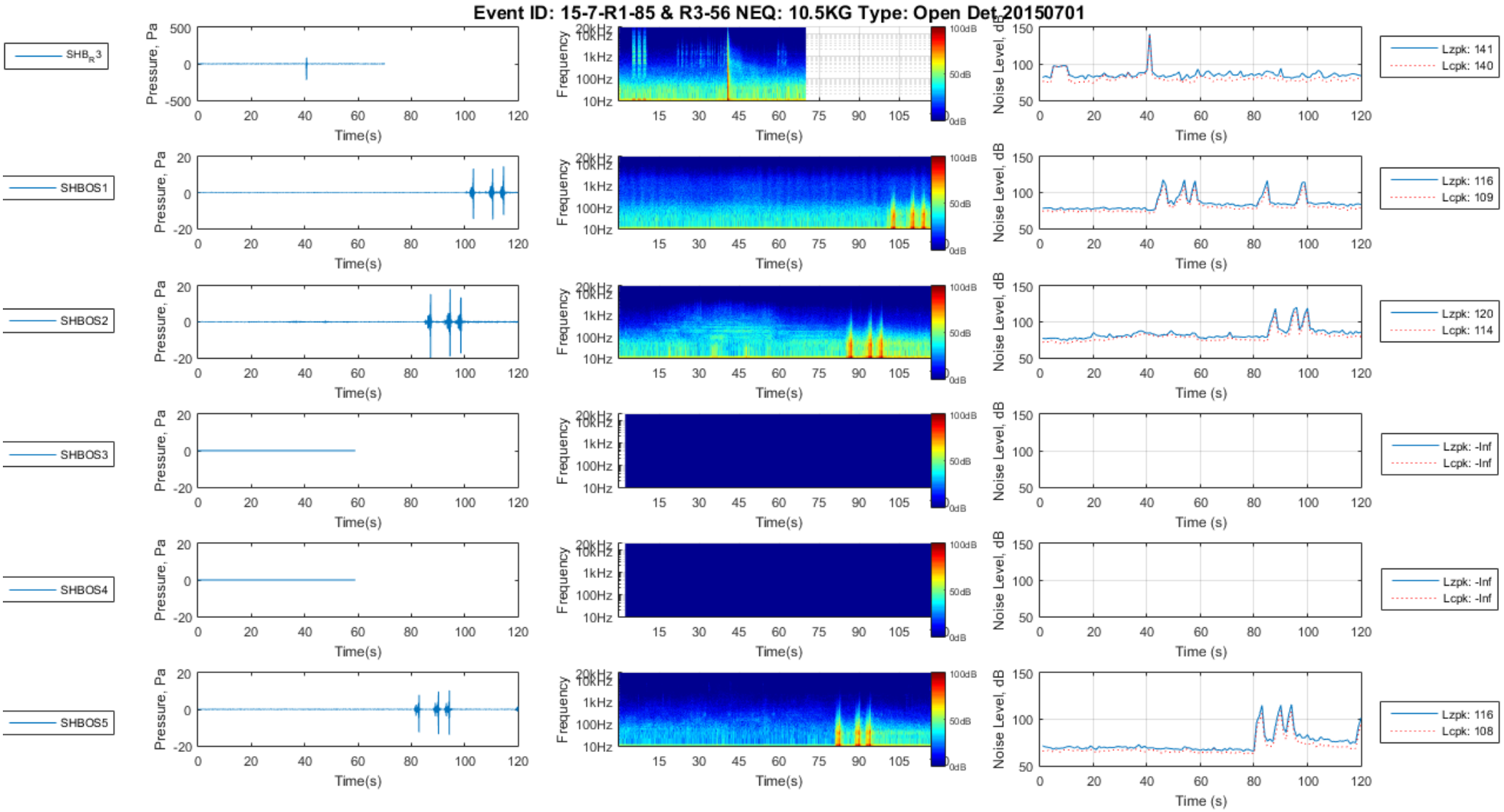
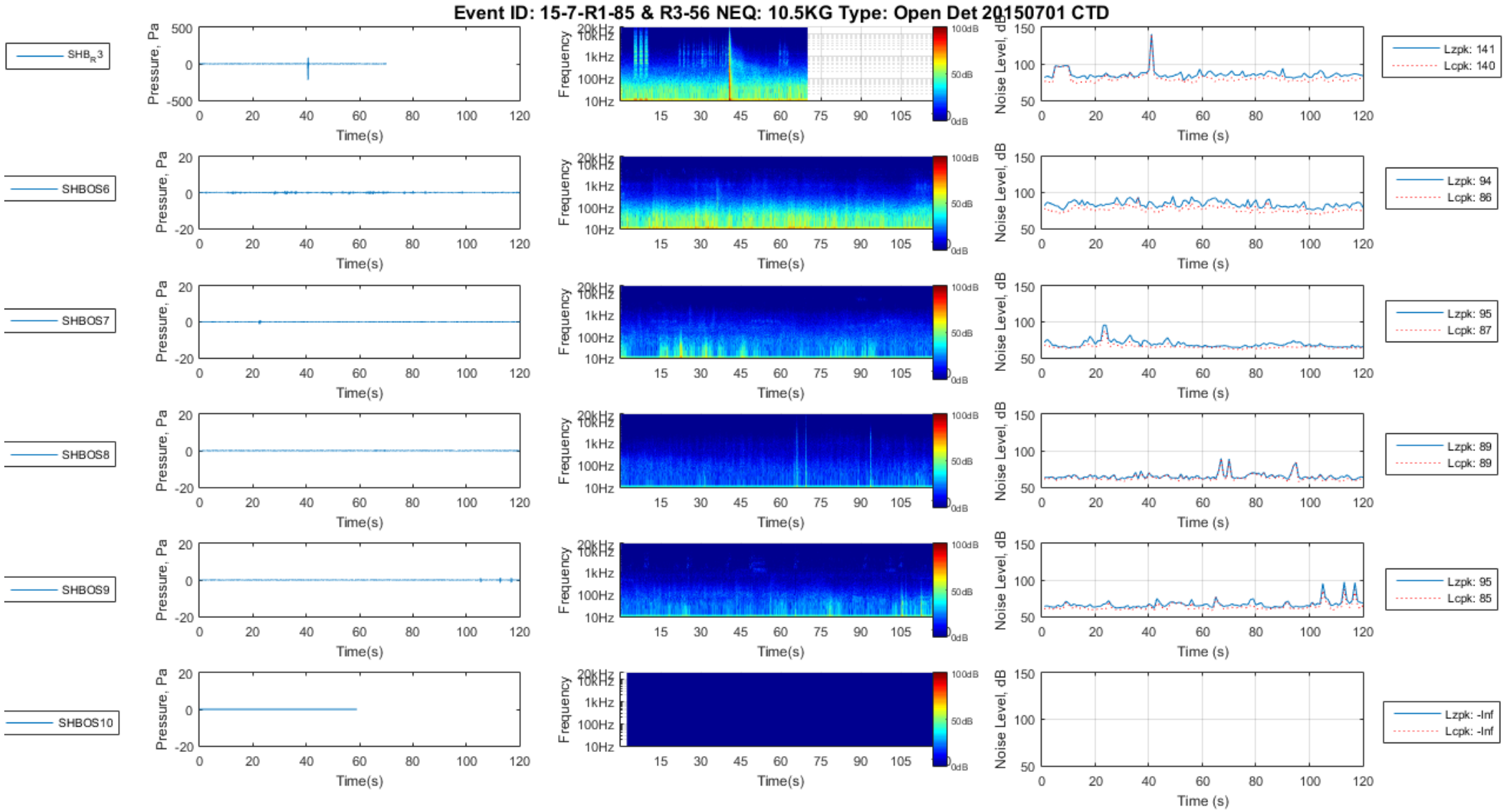


FIGURE 2.90: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-85 & R3-56


Event ID: 15-7-R1-85 & R3-56 NEQ: 10.5KG Type: Open Det 20150701
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 141
Lcpk: 140
Lzpk: 116
Lcpk: 109
Lzpk: 120
Lcpk: 114
Lzpk: -Inf
Lcpk: -Inf
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 116
Lcpk: 108


Event ID: 15-7-R1-85 & R3-56 NEQ: 10.5KG Type: Open Det 20150701 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 141
Lcpk: 140
Lzpk: 94
Lcpk: 86
Lzpk: 95
Lcpk: 87
Lzpk: 89
Lcpk: 89
Lzpk: 95
Lcpk: 85
Lzpk: -Inf
Lcpk: -Inf

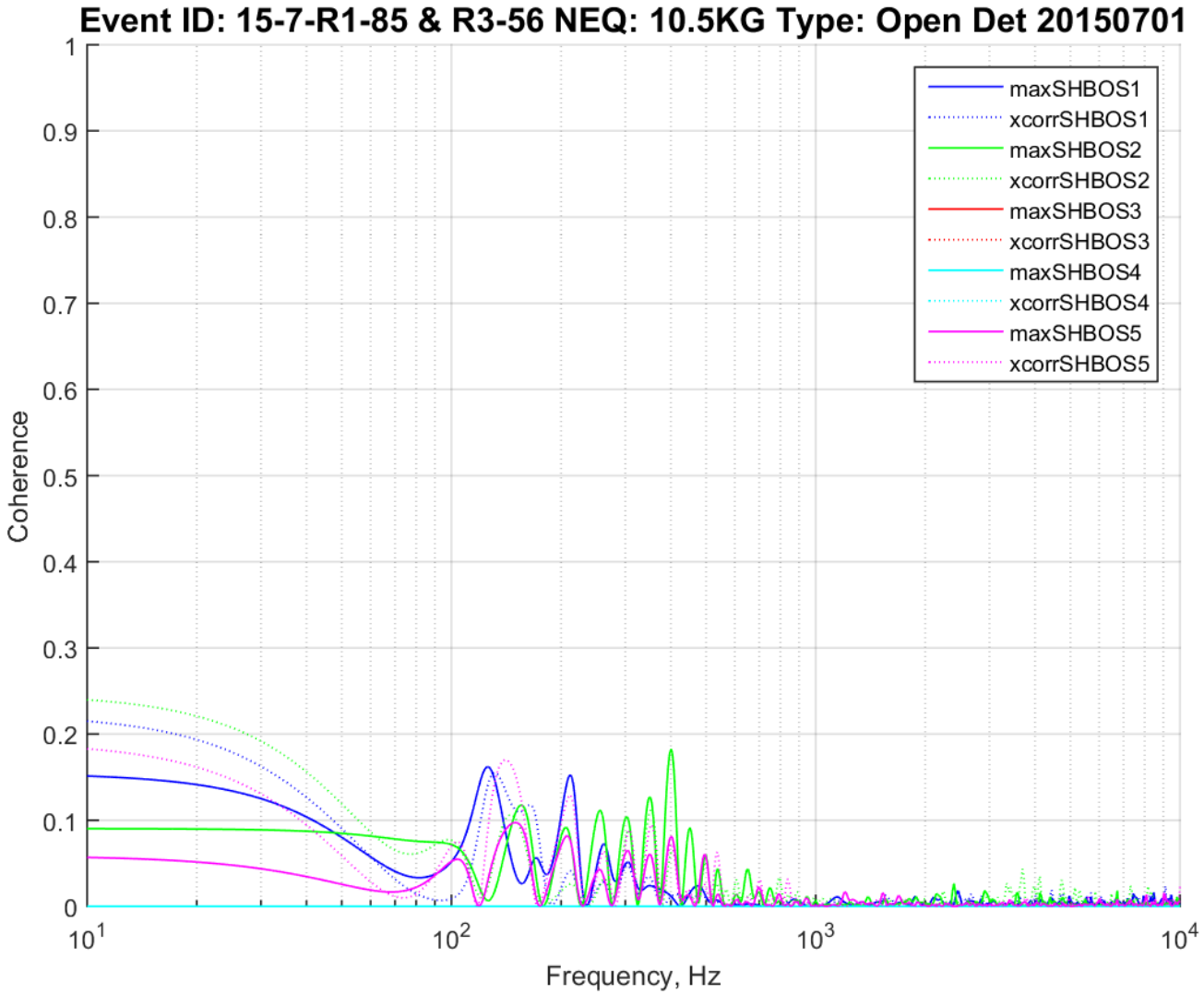


FIGURE 2.93: COHERENCE SHB_OS 1 - 5 15-7-R1-85 & R3-56

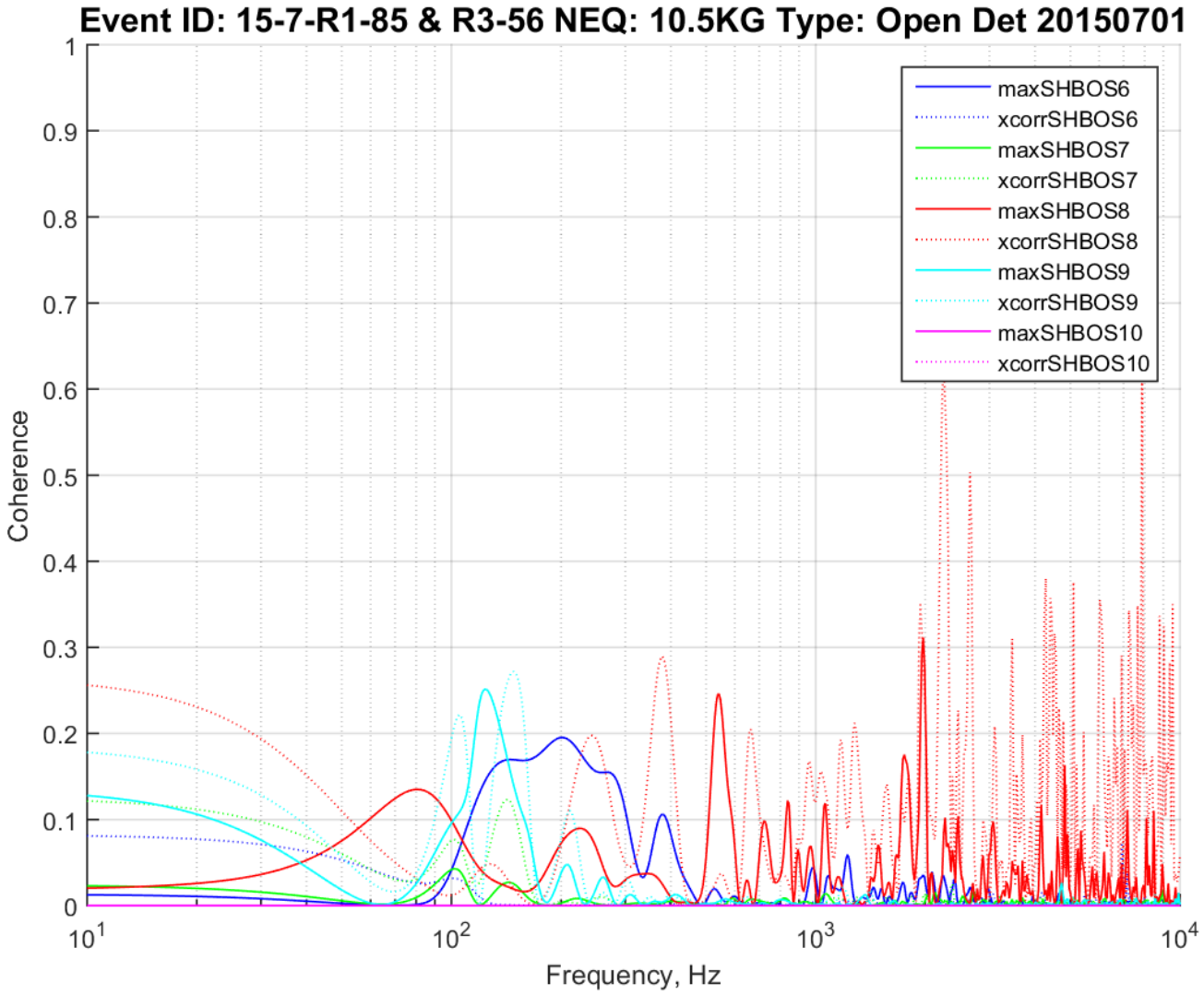


FIGURE 2.94: COHERENCE SHB_OS 6 - 10 15-7-R1-85 & R3-56CTD

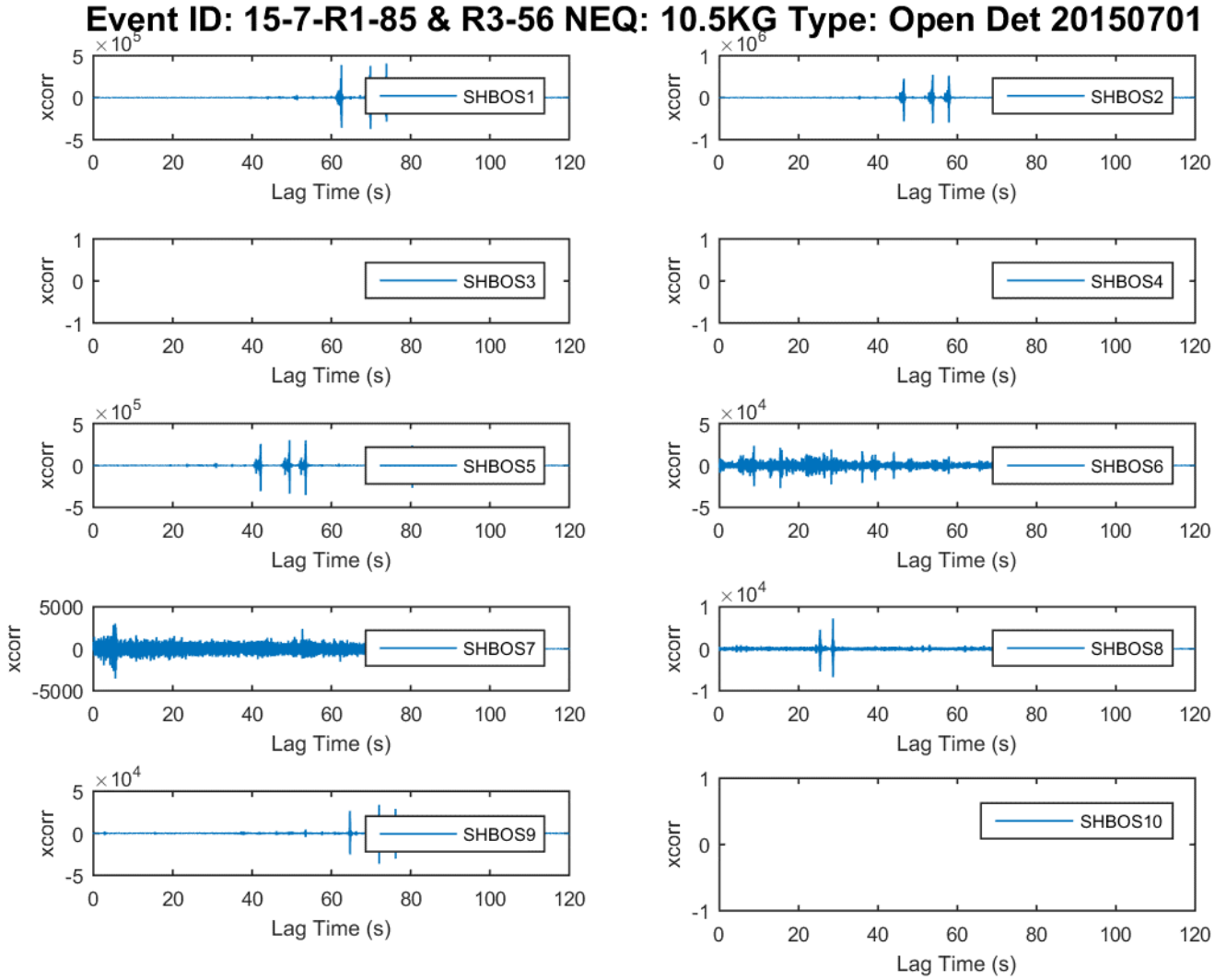


FIGURE 2.95: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-85 & R3-56

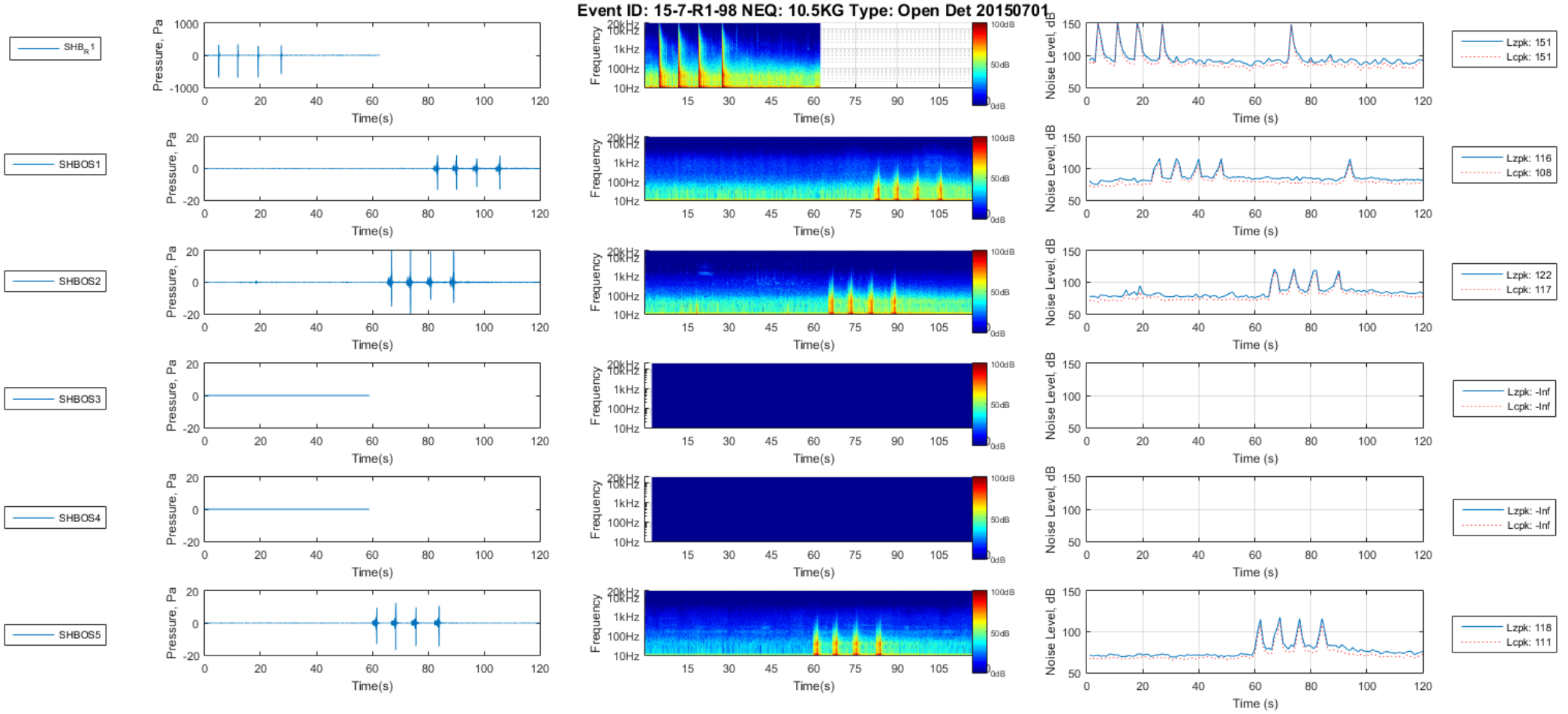


FIGURE 2.96: SHB_OS 1 - 5 15-7-R1-98

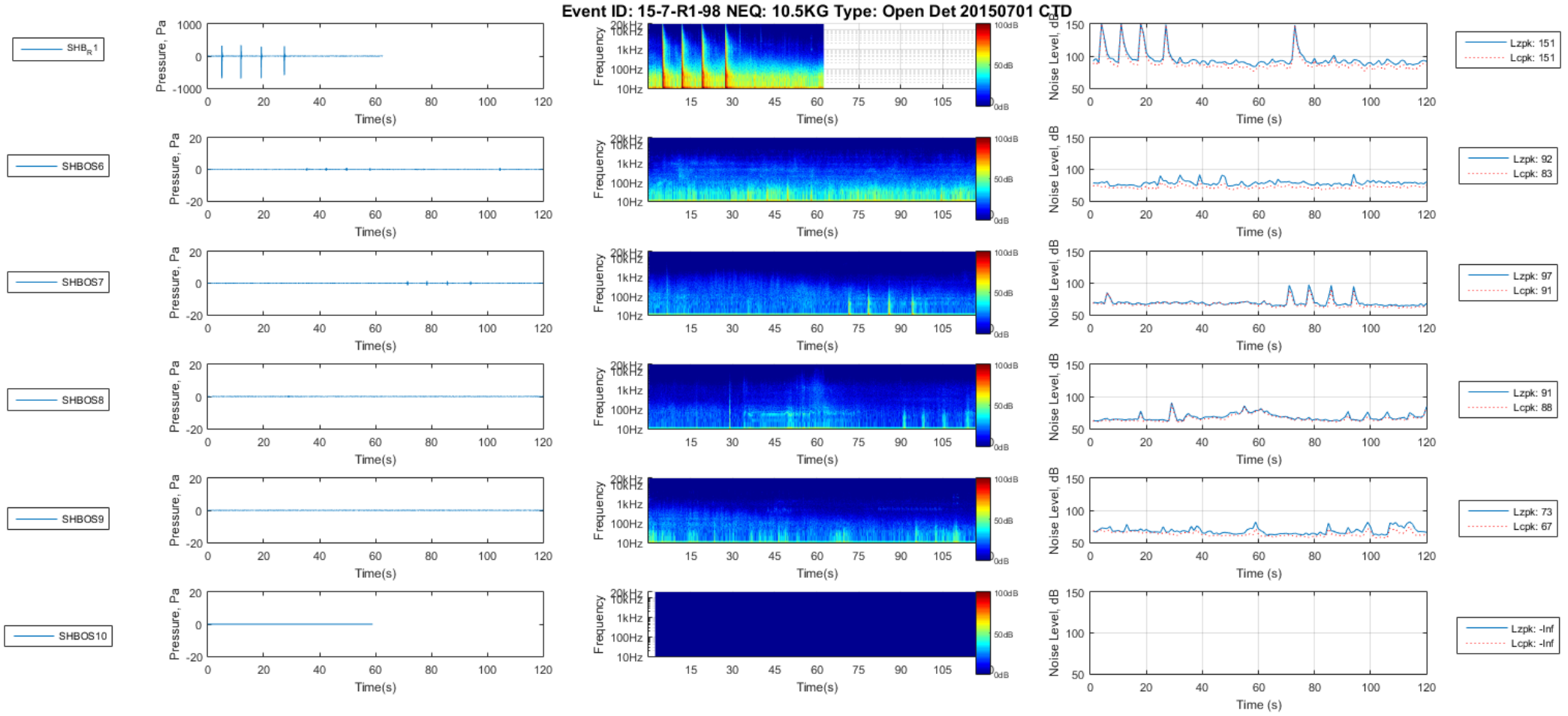


FIGURE 2.97: SHB_OS 6 - 10 15-7-R1-98

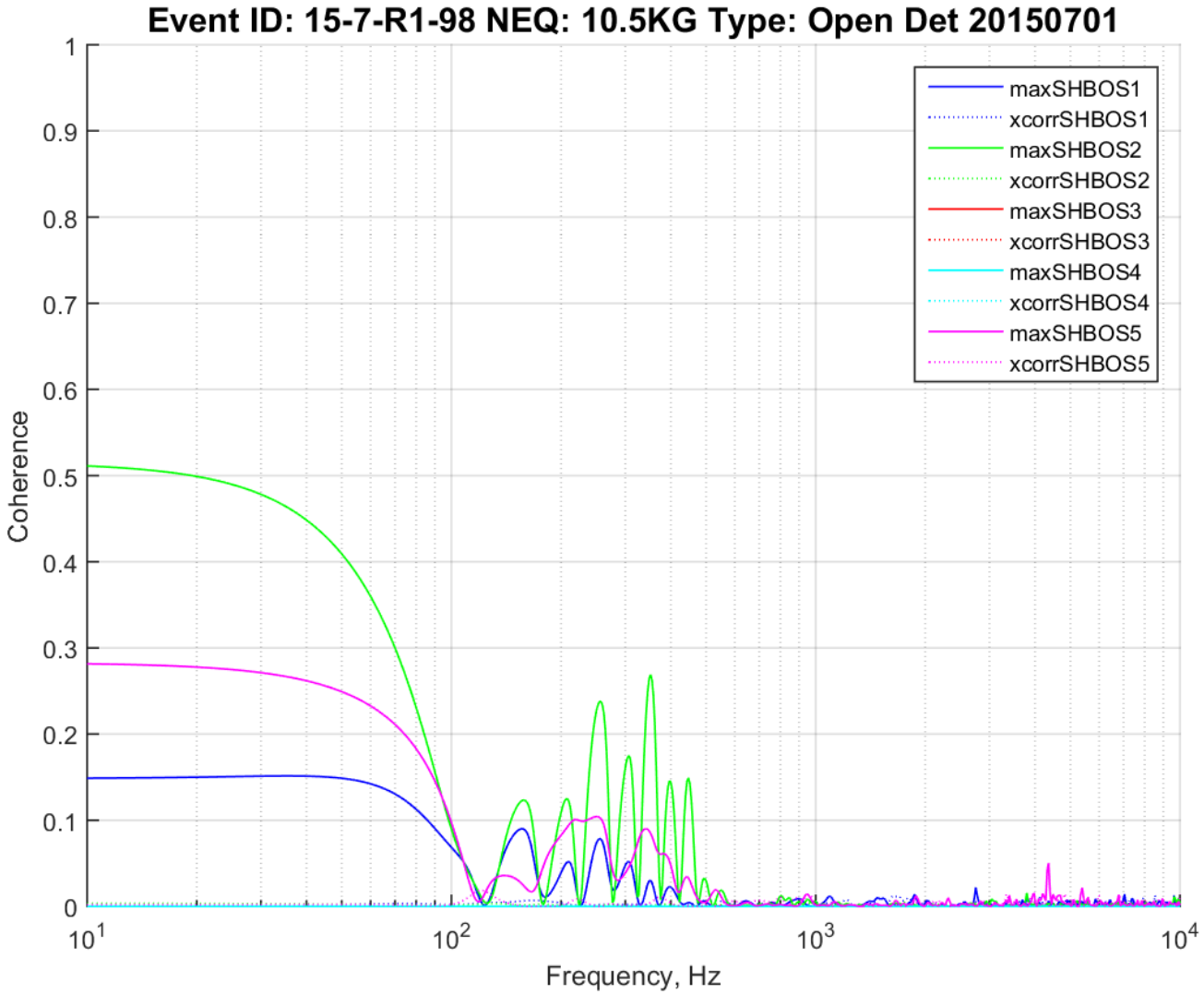


FIGURE 2.98: COHERENCE SHB_OS 1 - 5 15-7-R1-98

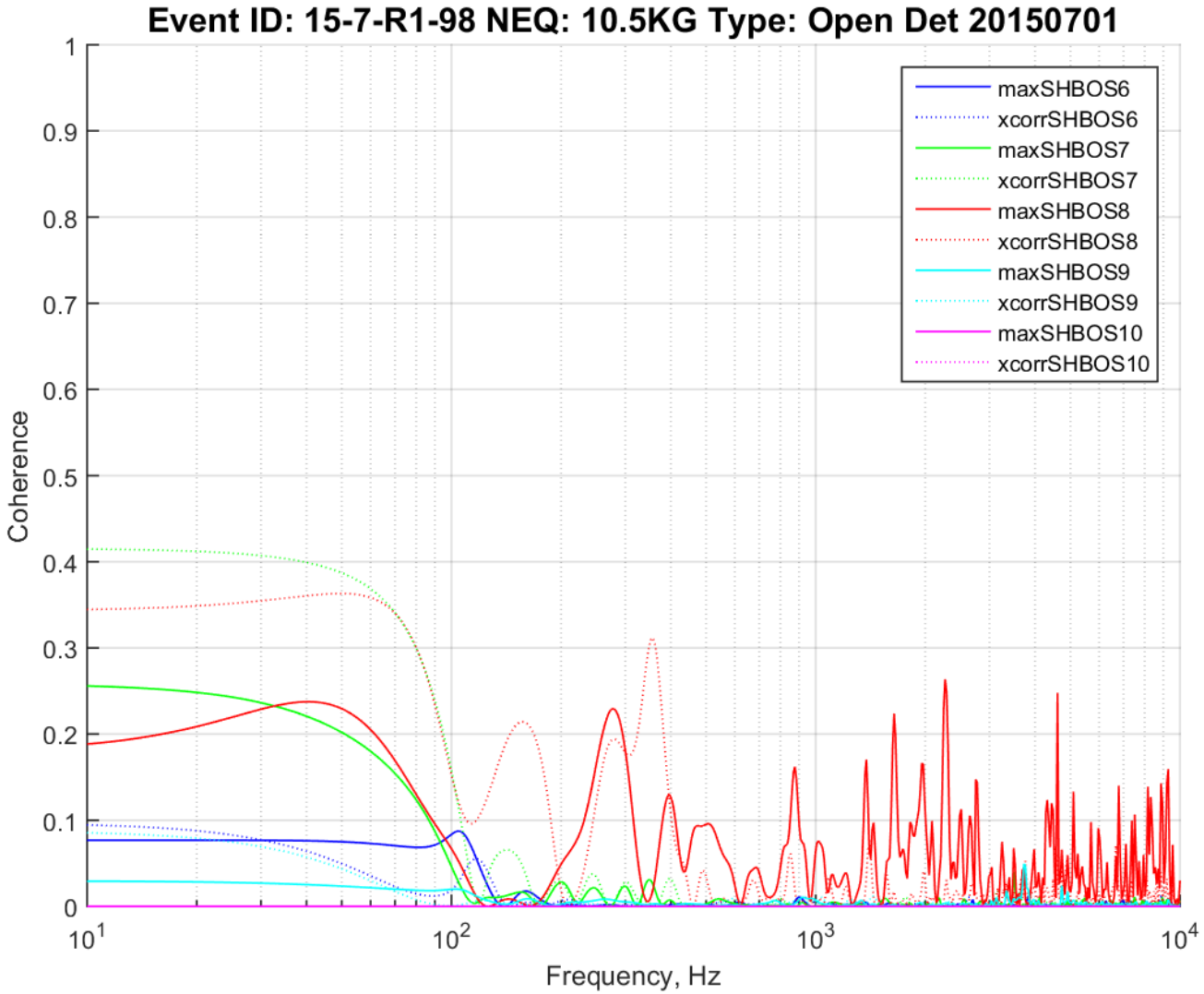


FIGURE 2.99: COHERENCE SHB_OS 6 - 10 15-7-R1-98CTD

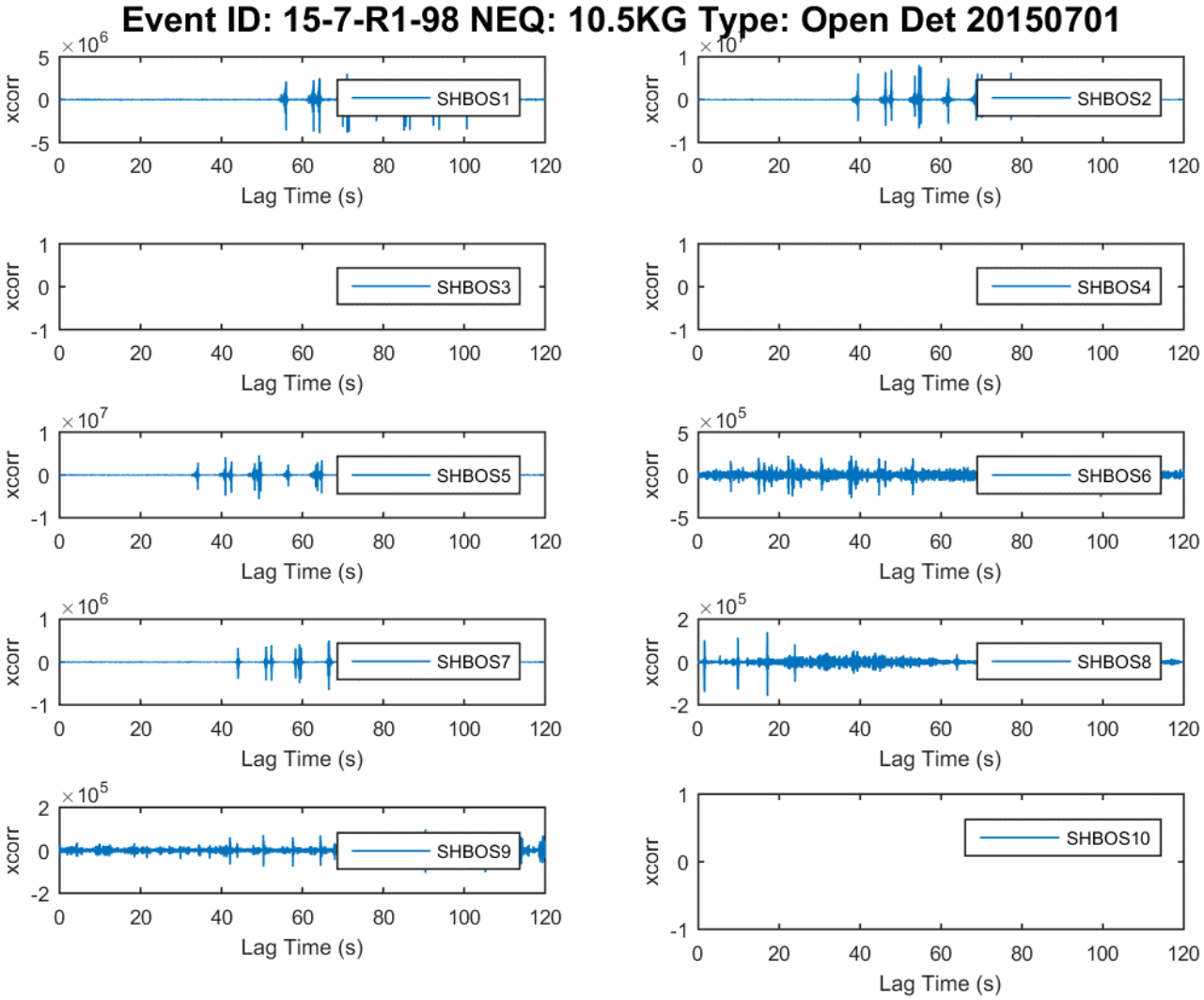
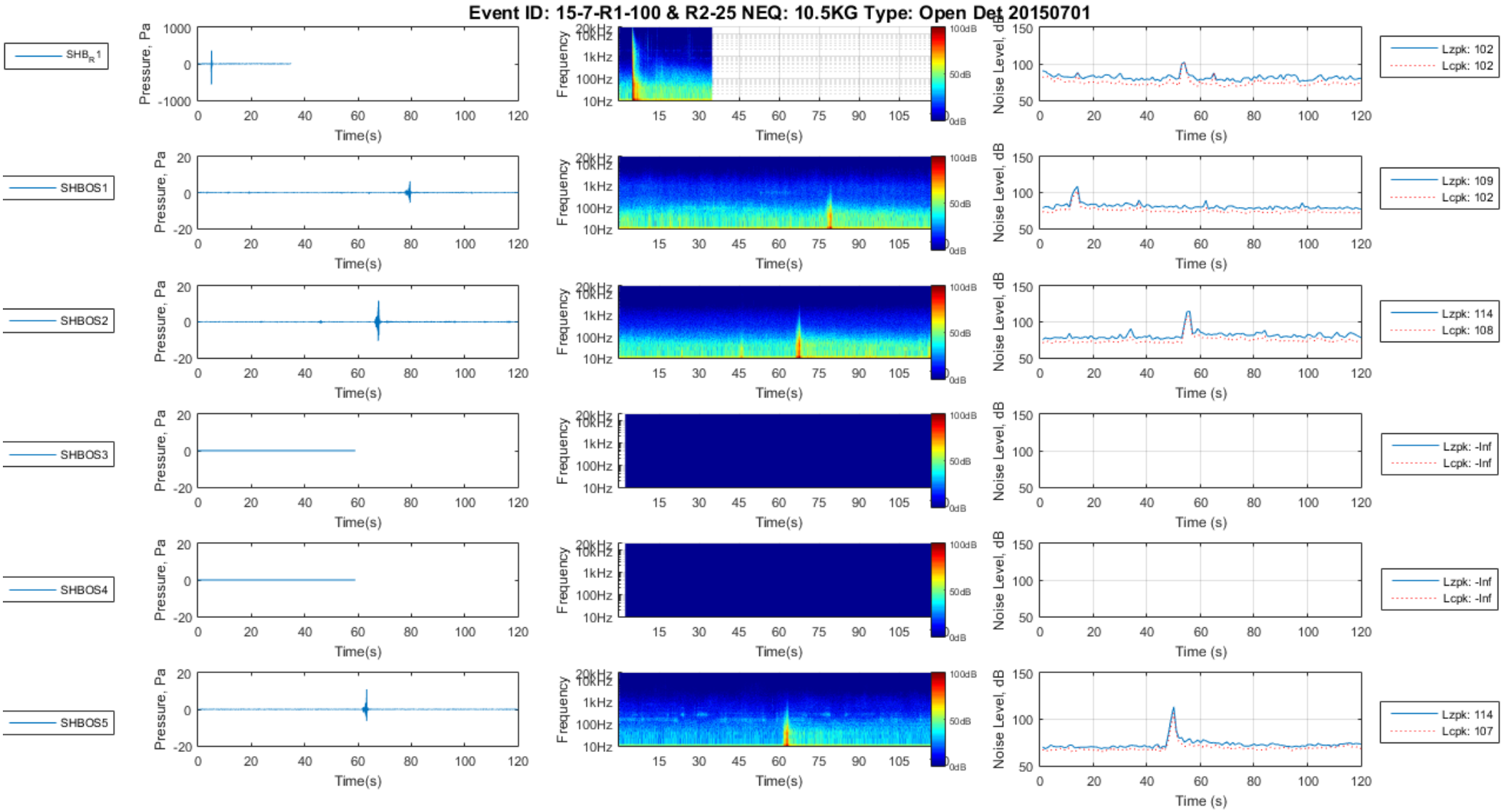
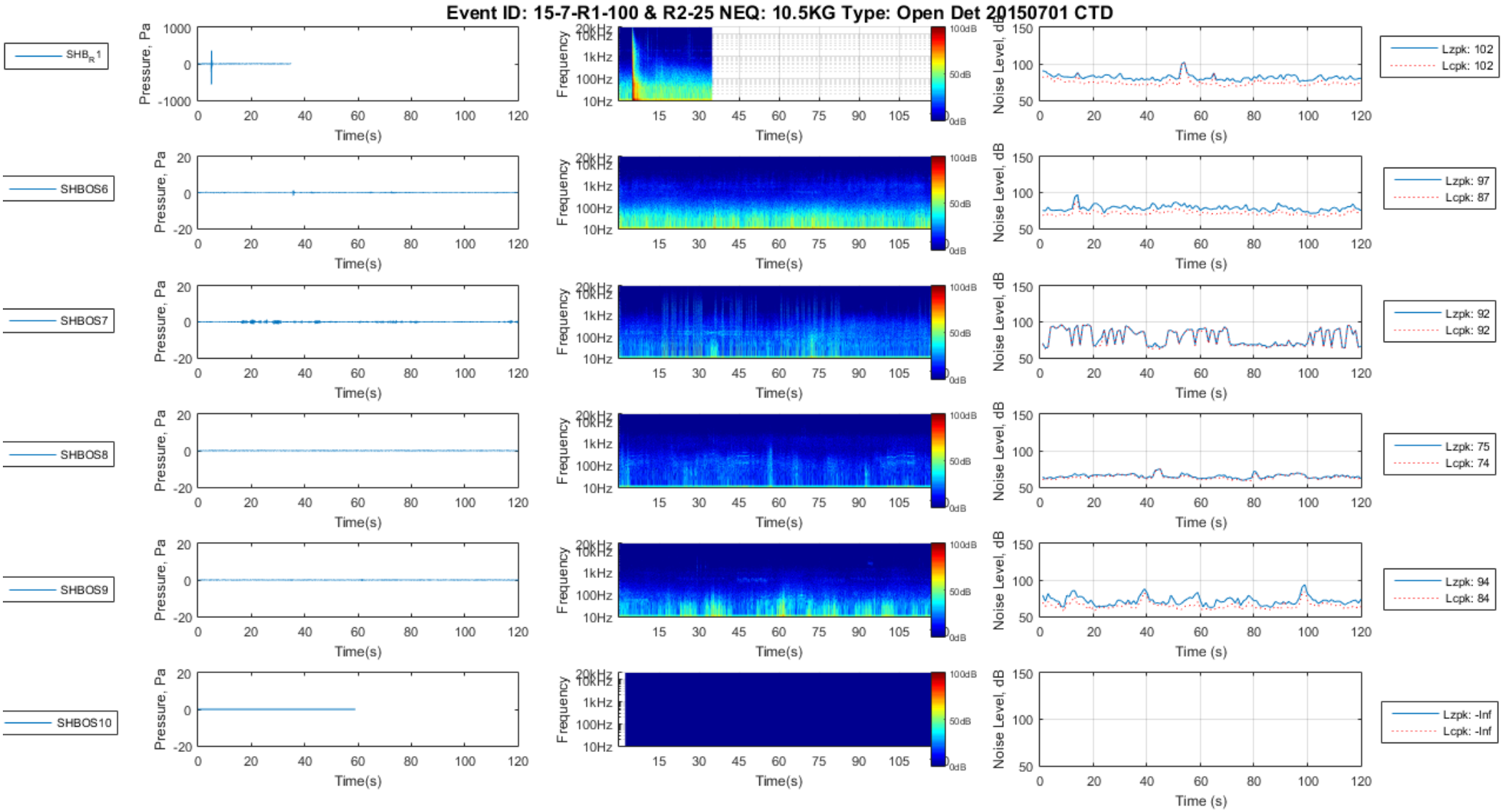


FIGURE 2.100: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-98


Event ID: 15-7-R1-100 & R2-25 NEQ: 10.5KG Type: Open Det 20150701
SHB_R1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 102
Lcpk: 102
Lzpk: 109
Lcpk: 102
Lzpk: 114
Lcpk: 108
Lzpk: -Inf
Lcpk: -Inf
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 114
Lcpk: 107


Event ID: 15-7-R1-100 & R2-25 NEQ: 10.5KG Type: Open Det 20150701 CTD
SHB$_R$1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 102
Lcpk: 102
Lzpk: 97
Lcpk: 87
Lzpk: 92
Lcpk: 92
Lzpk: 75
Lcpk: 74
Lzpk: 94
Lcpk: 84
Lzpk: -Inf
Lcpk: -Inf

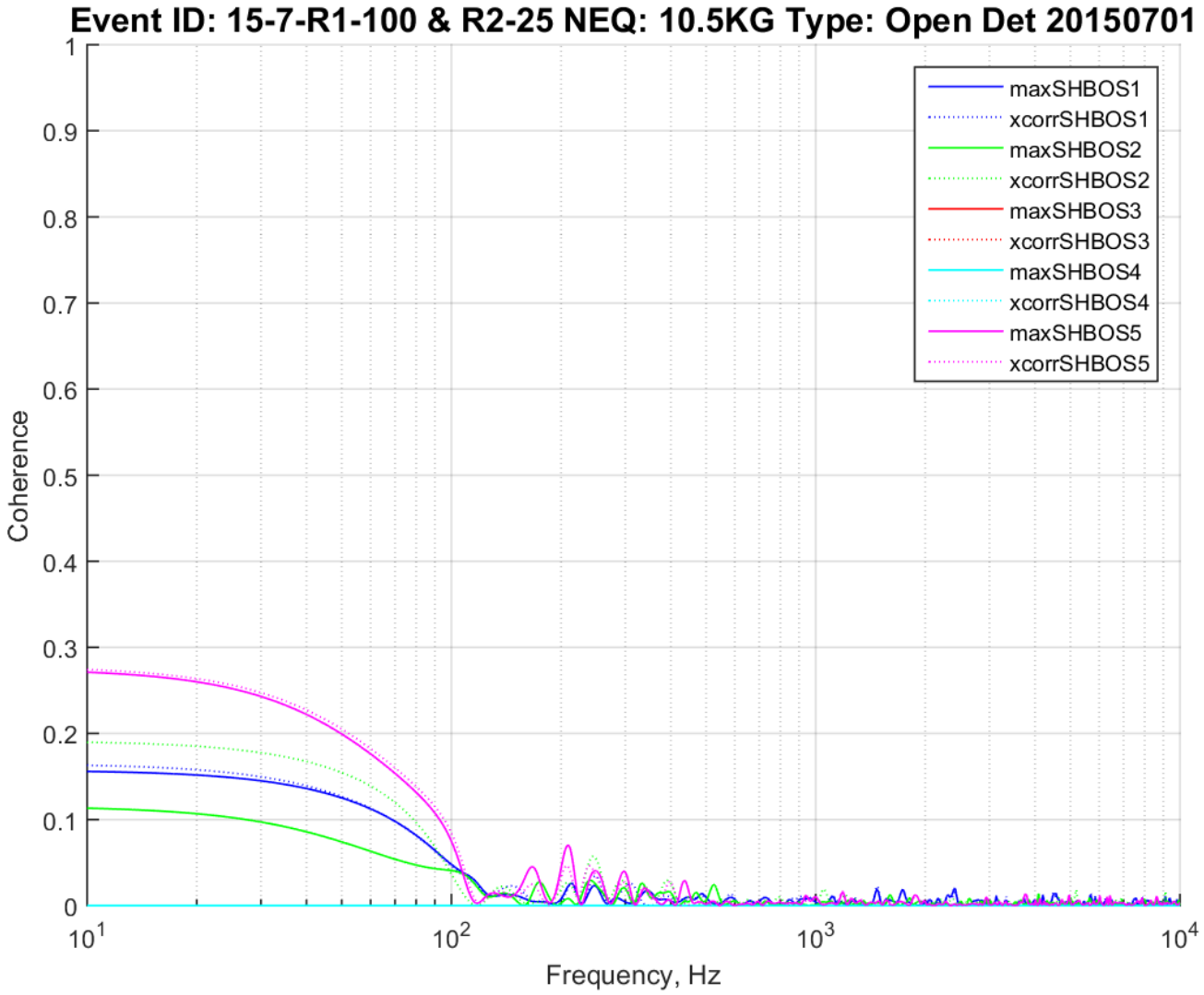


FIGURE 2.103: COHERENCE SHB_OS 1 - 5 15-7-R1-100 & R2-25

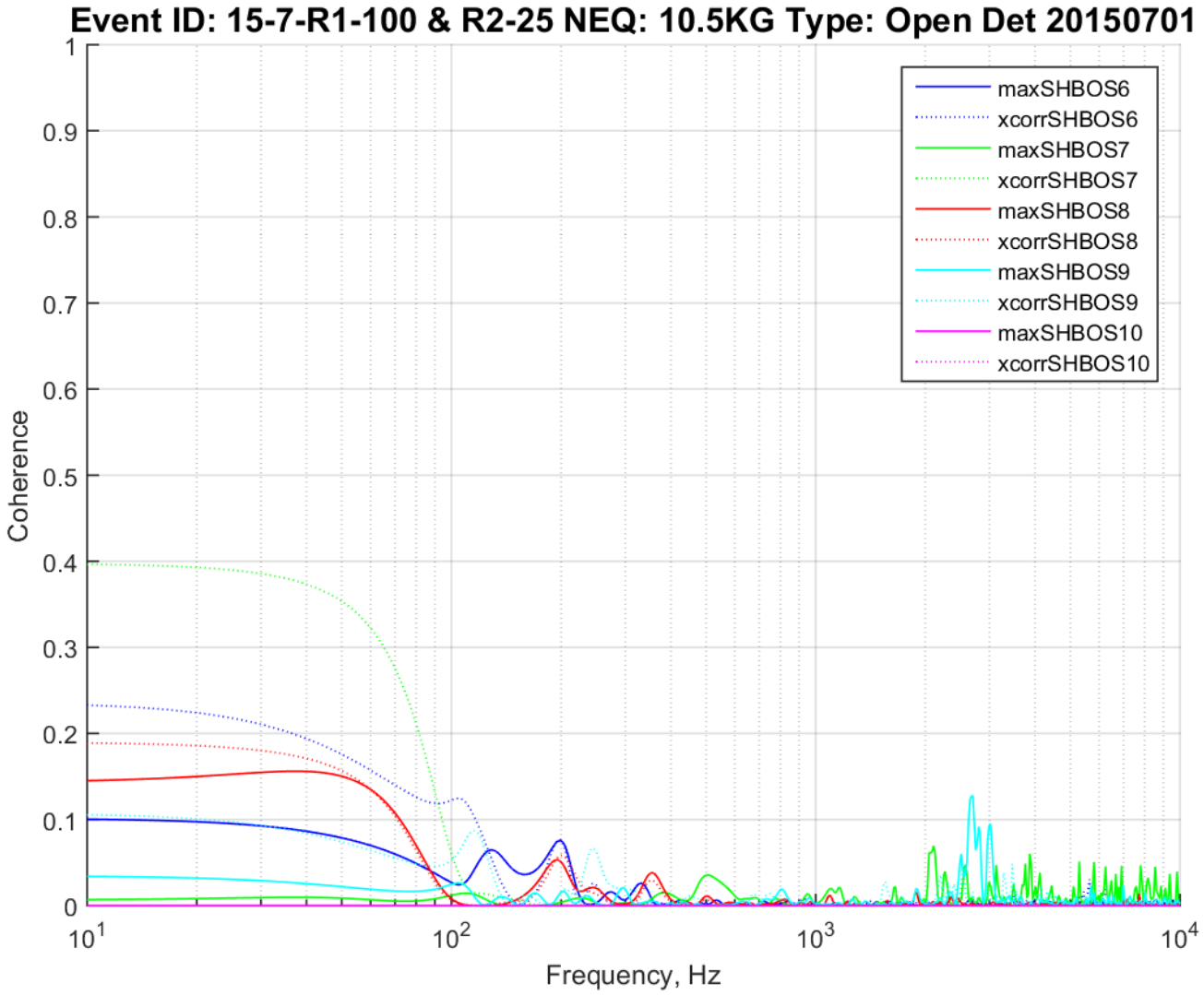


FIGURE 2.104: COHERENCE SHB_OS 6 - 10 15-7-R1-100 & R2-25CTD

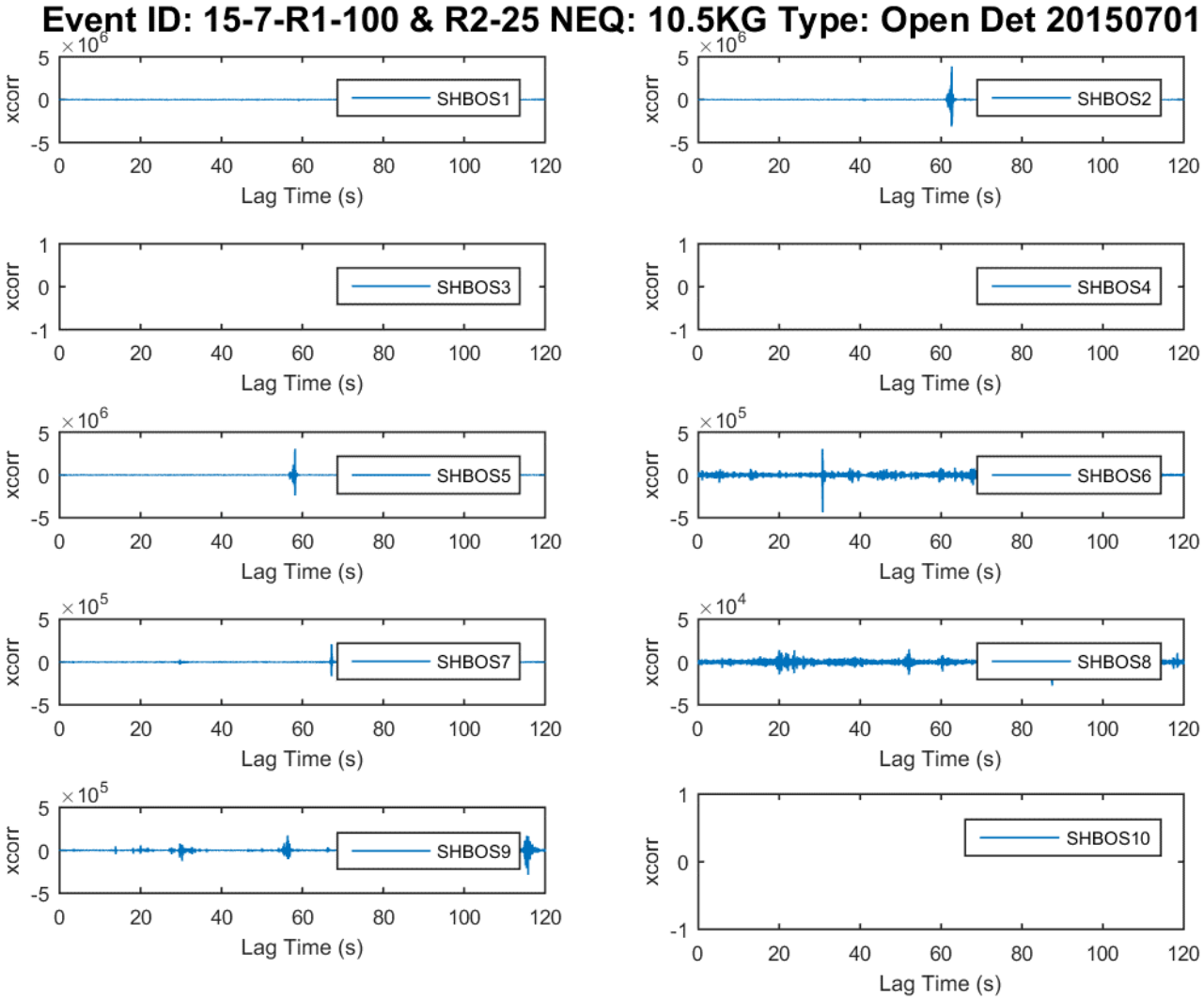


FIGURE 2.105: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-100 & R2-25

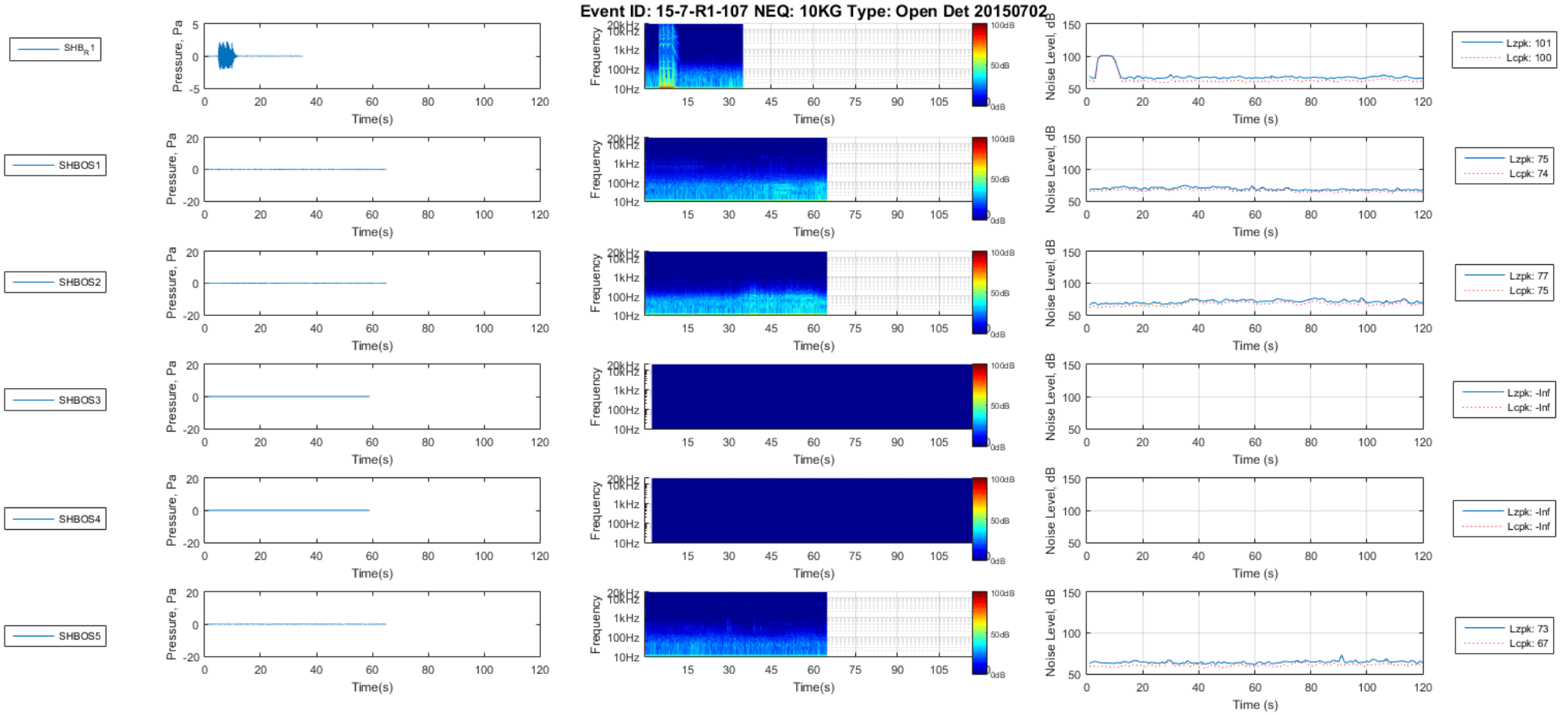


FIGURE 2.106: SHB_OS 1 - 5 15-7-R1-107

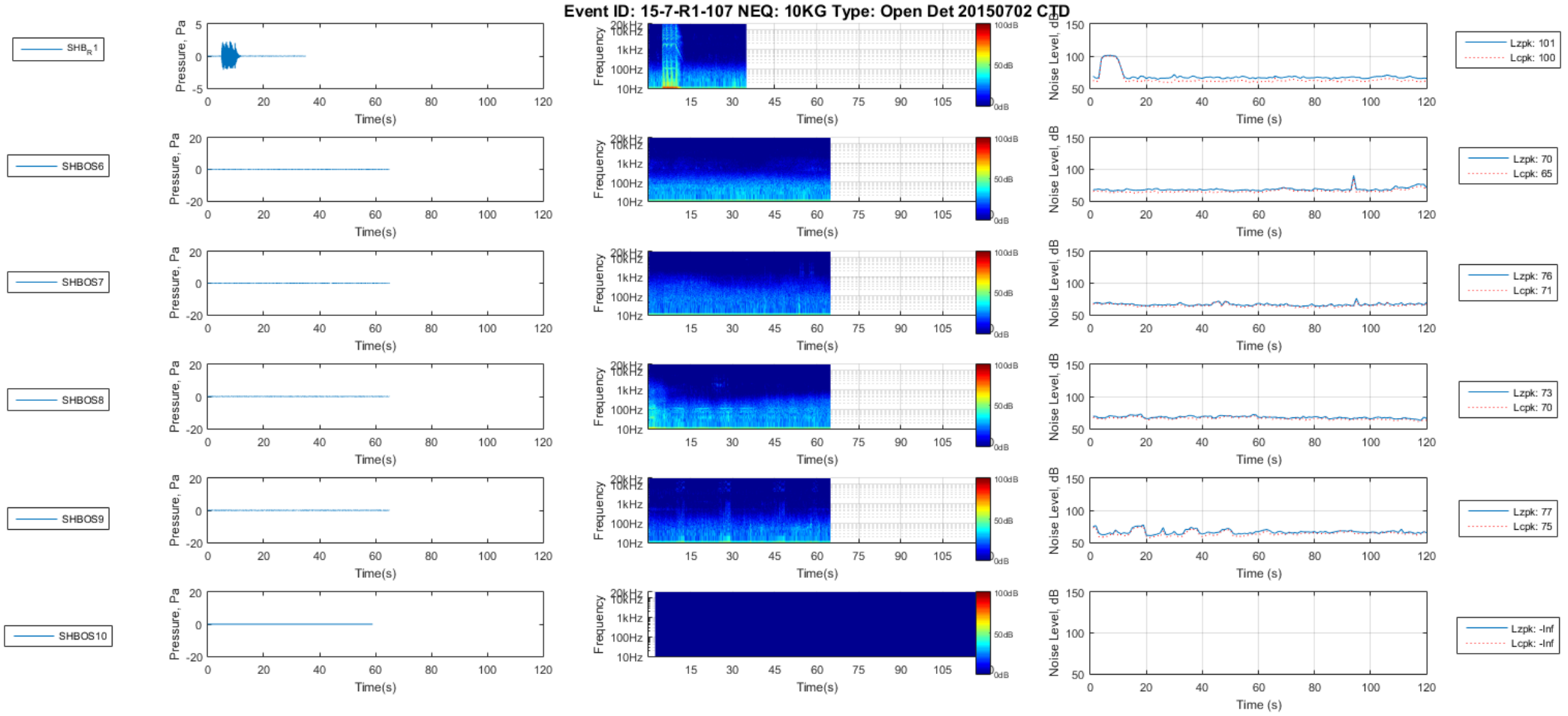


FIGURE 2.107: SHB_OS 6 - 10 15-7-R1-107

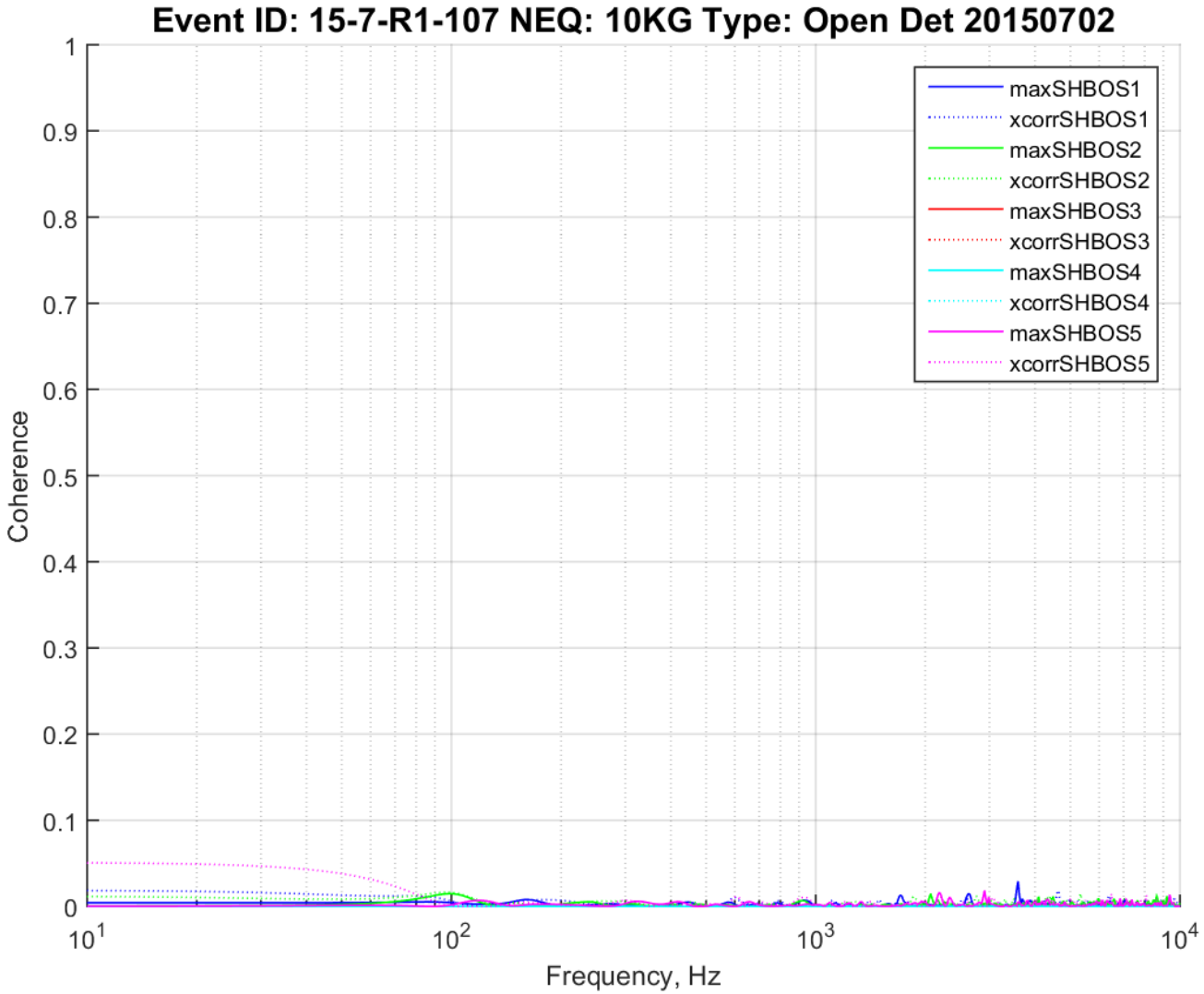


FIGURE 2.108: COHERENCE SHB_OS 1 - 5 15-7-R1-107

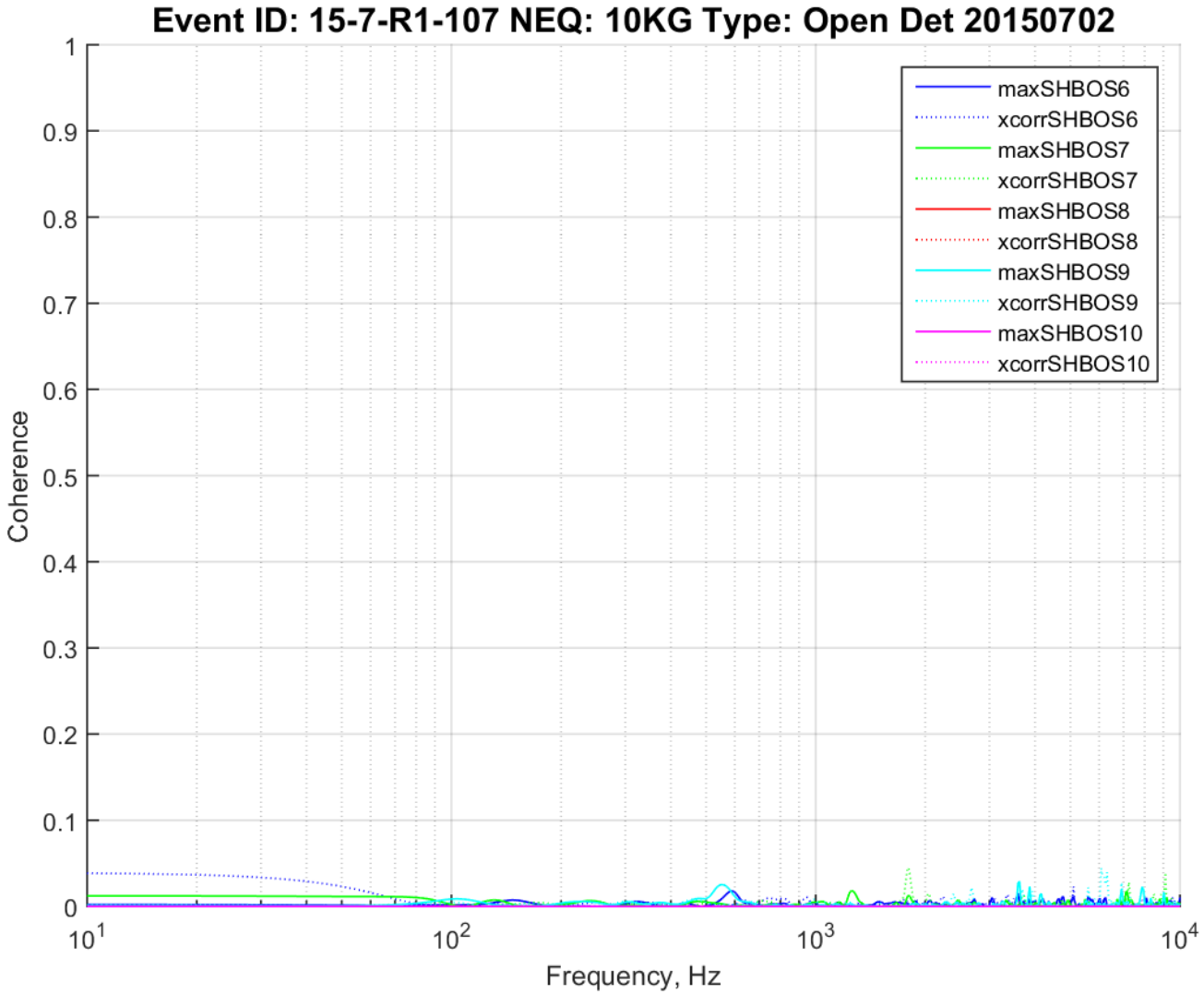


FIGURE 2.109: COHERENCE SHB_OS 6 - 10 15-7-R1-107CTD

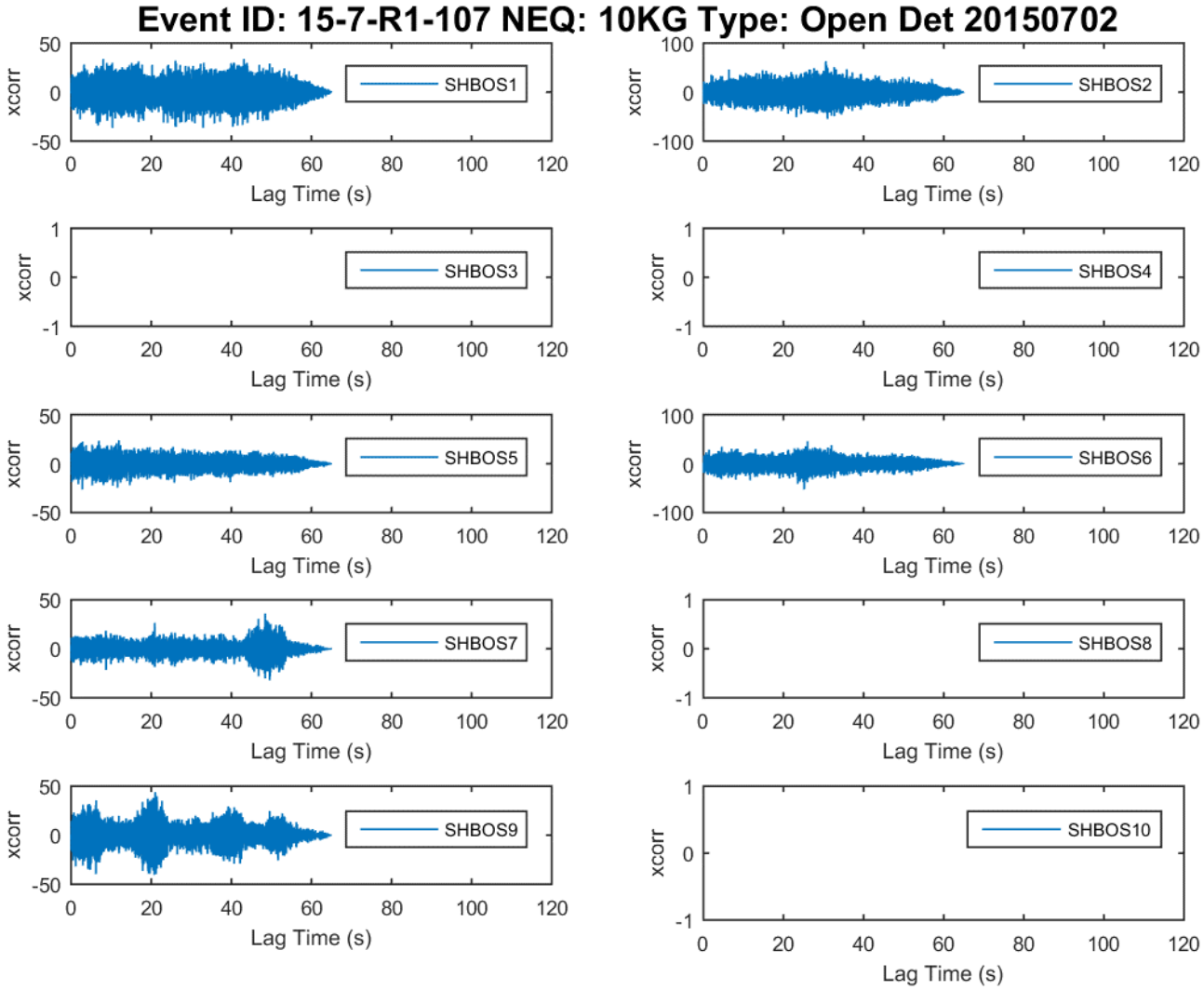


FIGURE 2.110: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-107

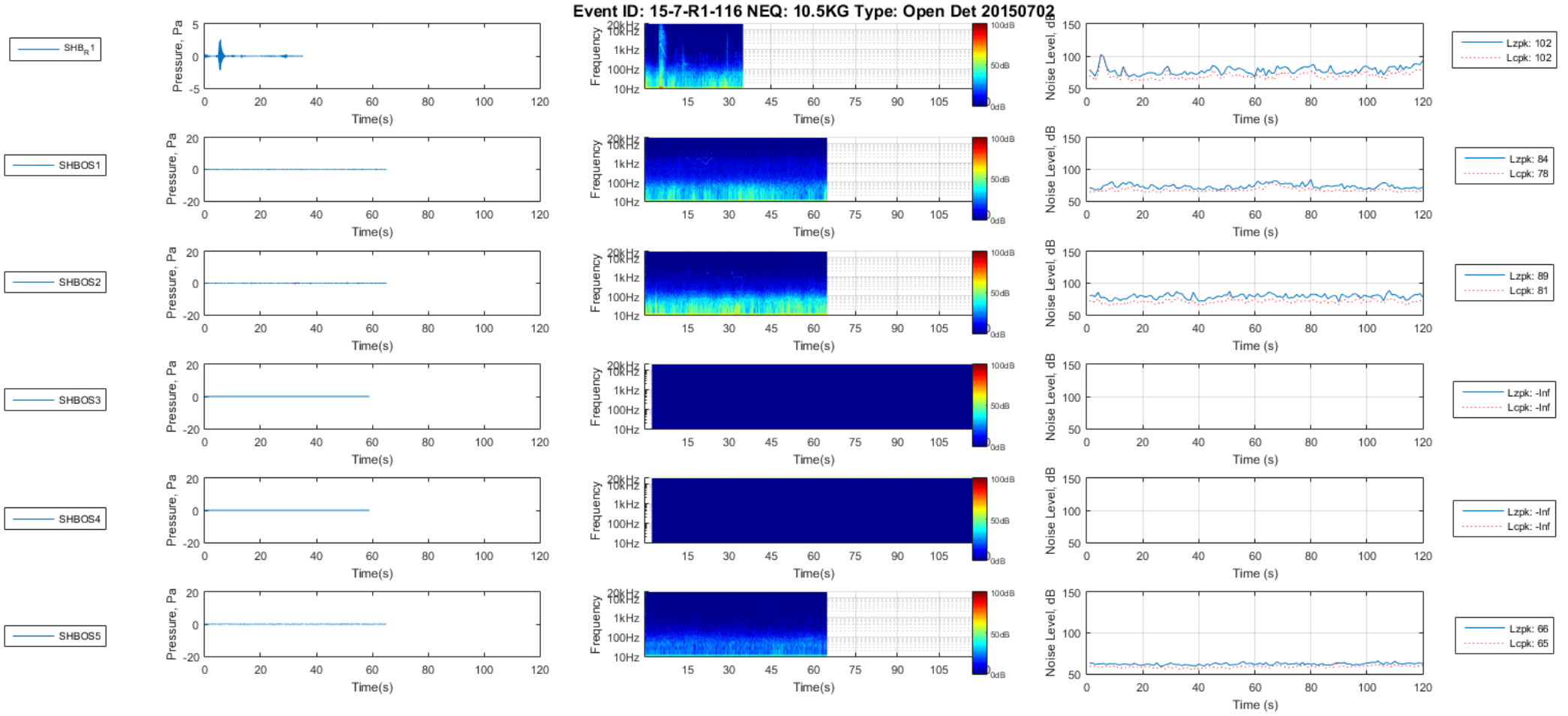


FIGURE 2.111: SHB_OS 1 - 5 15-7-R1-116

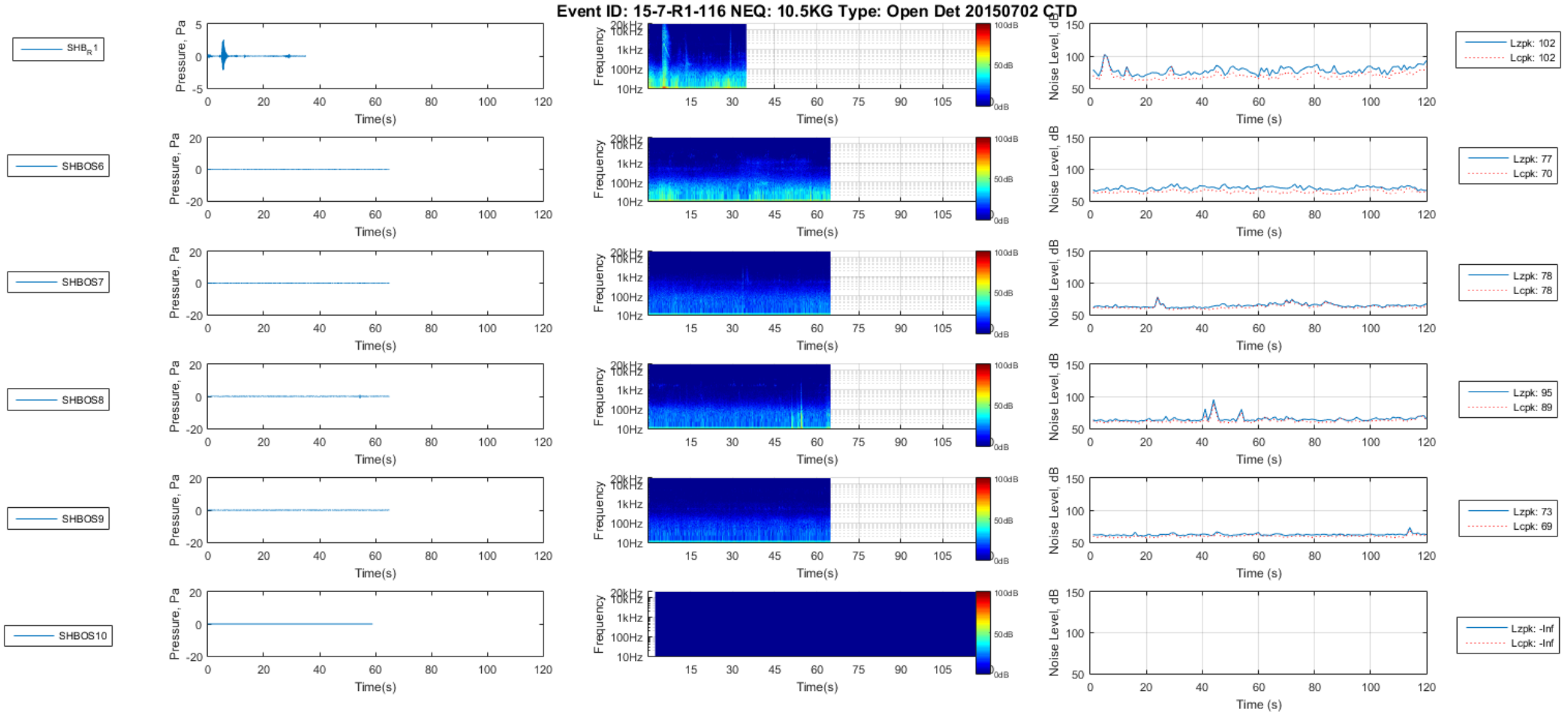


FIGURE 2.112: SHB_OS 6 - 10 15-7-R1-116

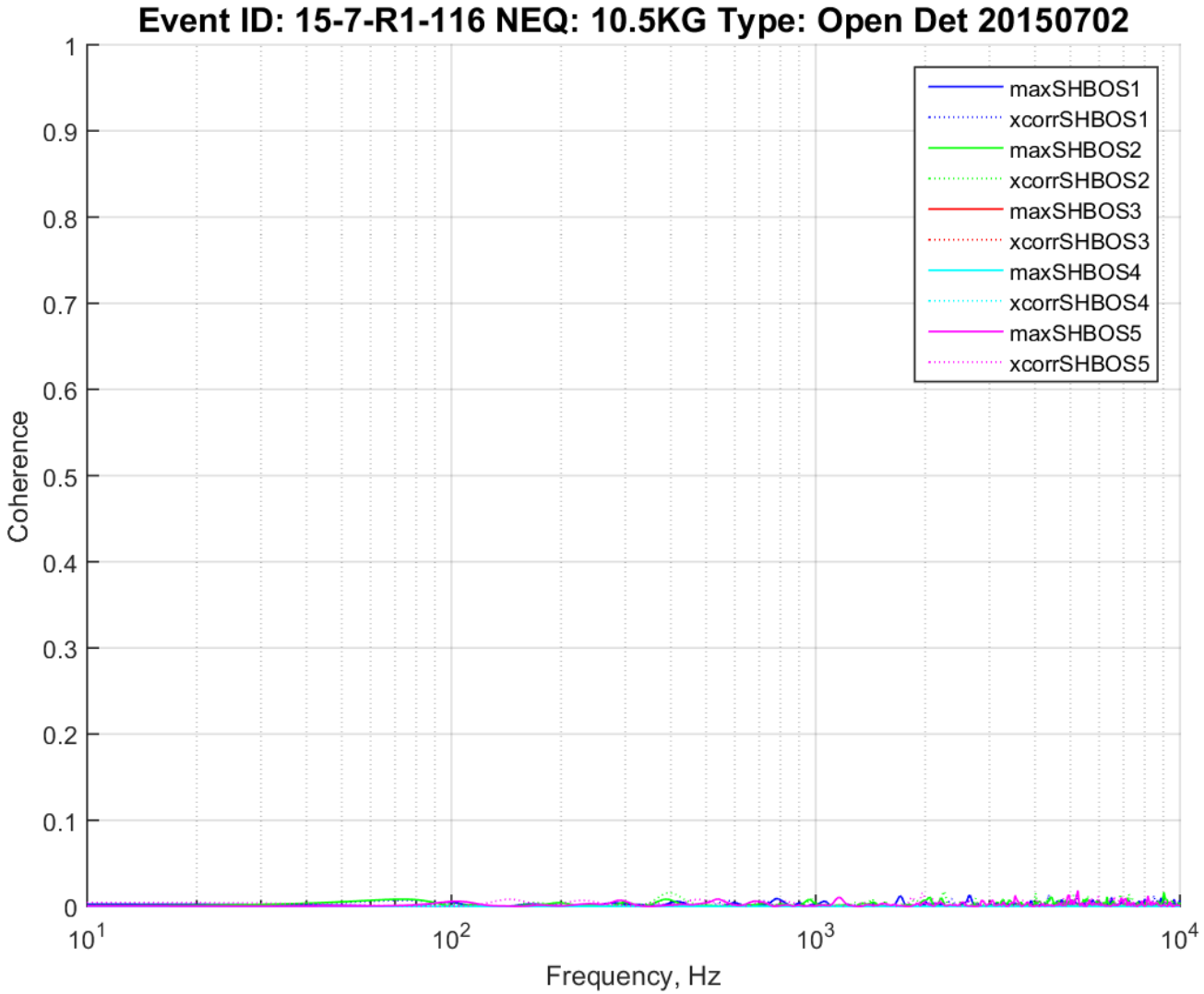


FIGURE 2.113: COHERENCE SHB_OS 1 - 5 15-7-R1-116

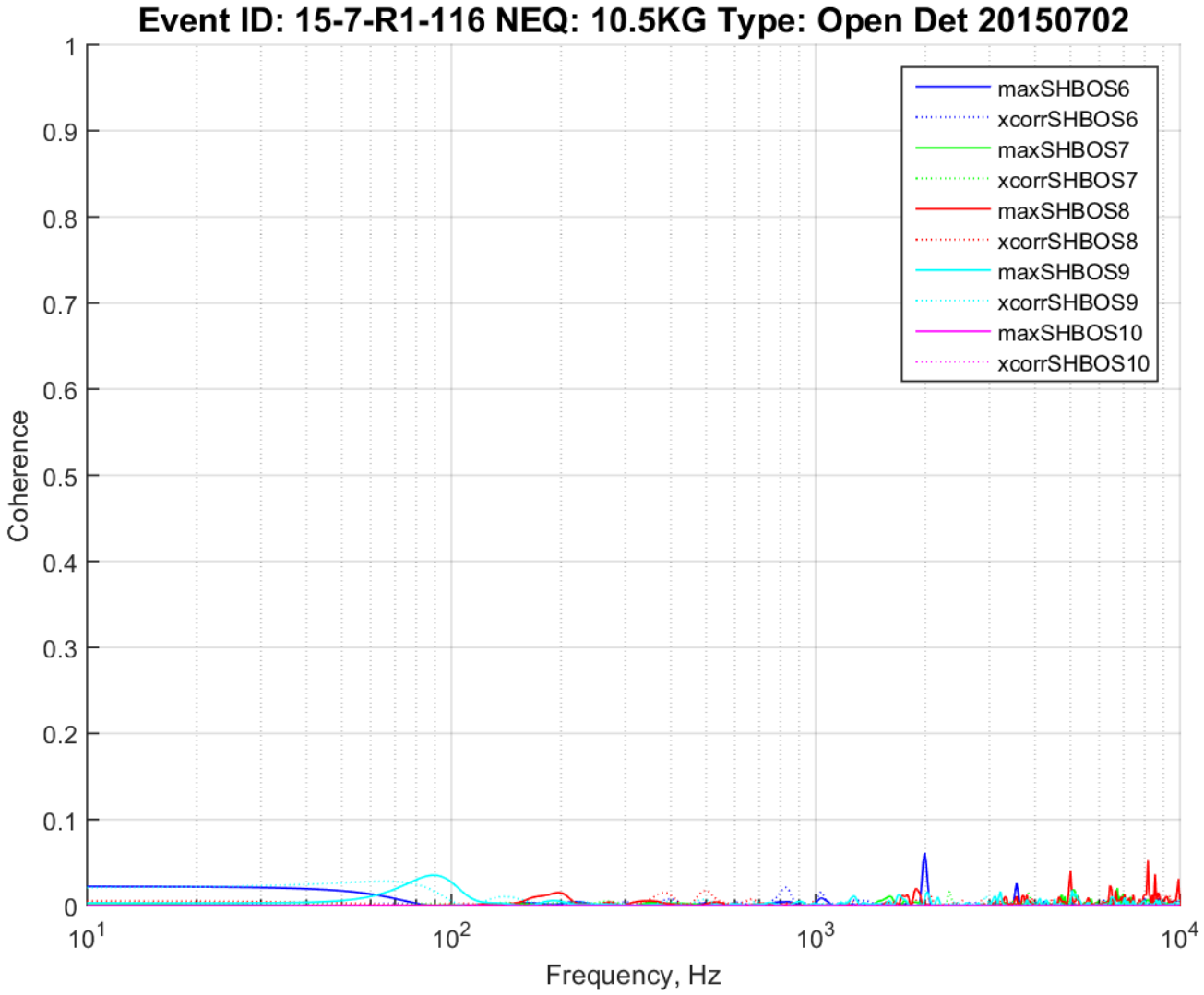


FIGURE 2.114: COHERENCE SHB_OS 6 - 10 15-7-R1-116CTD

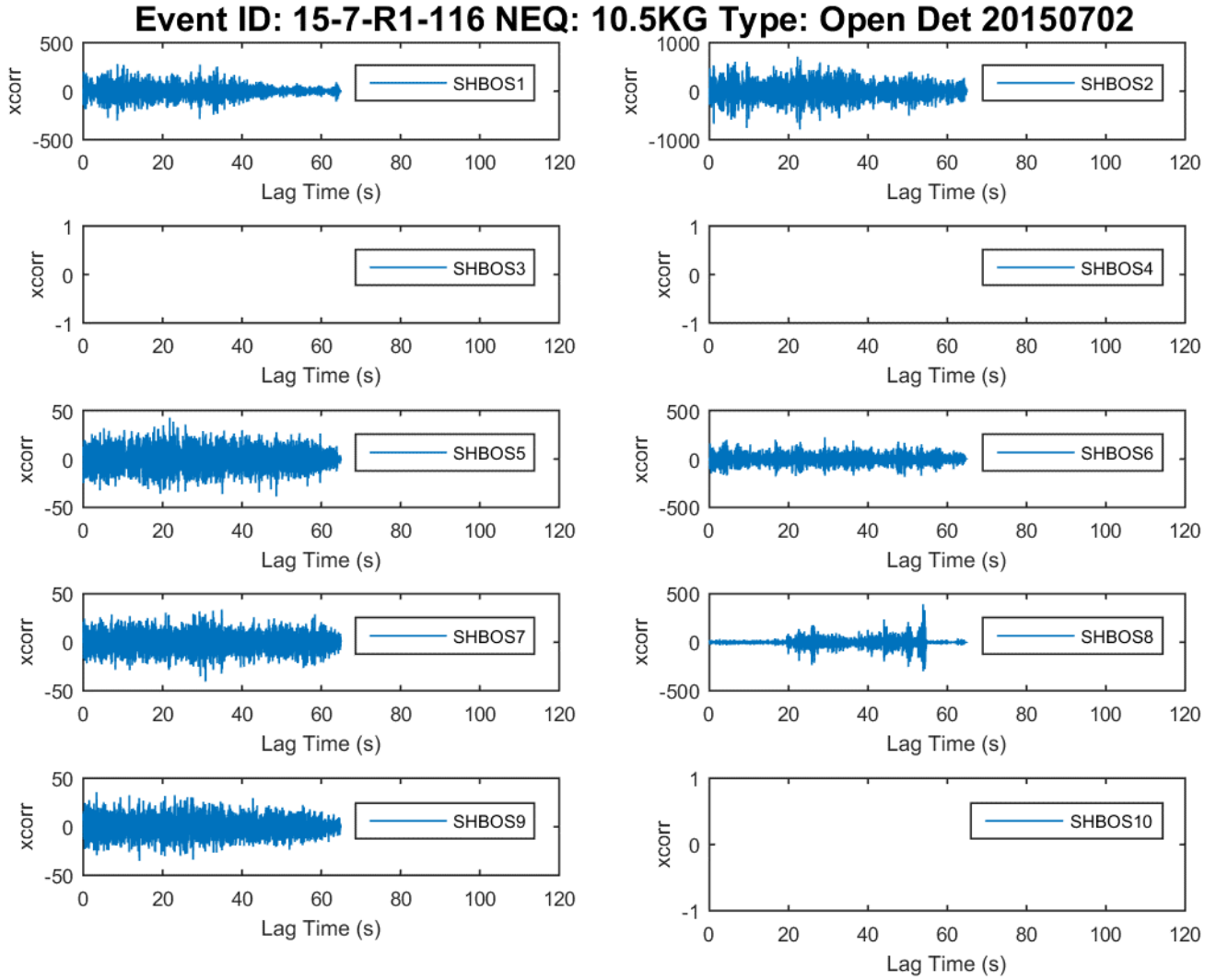


FIGURE 2.115: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-116

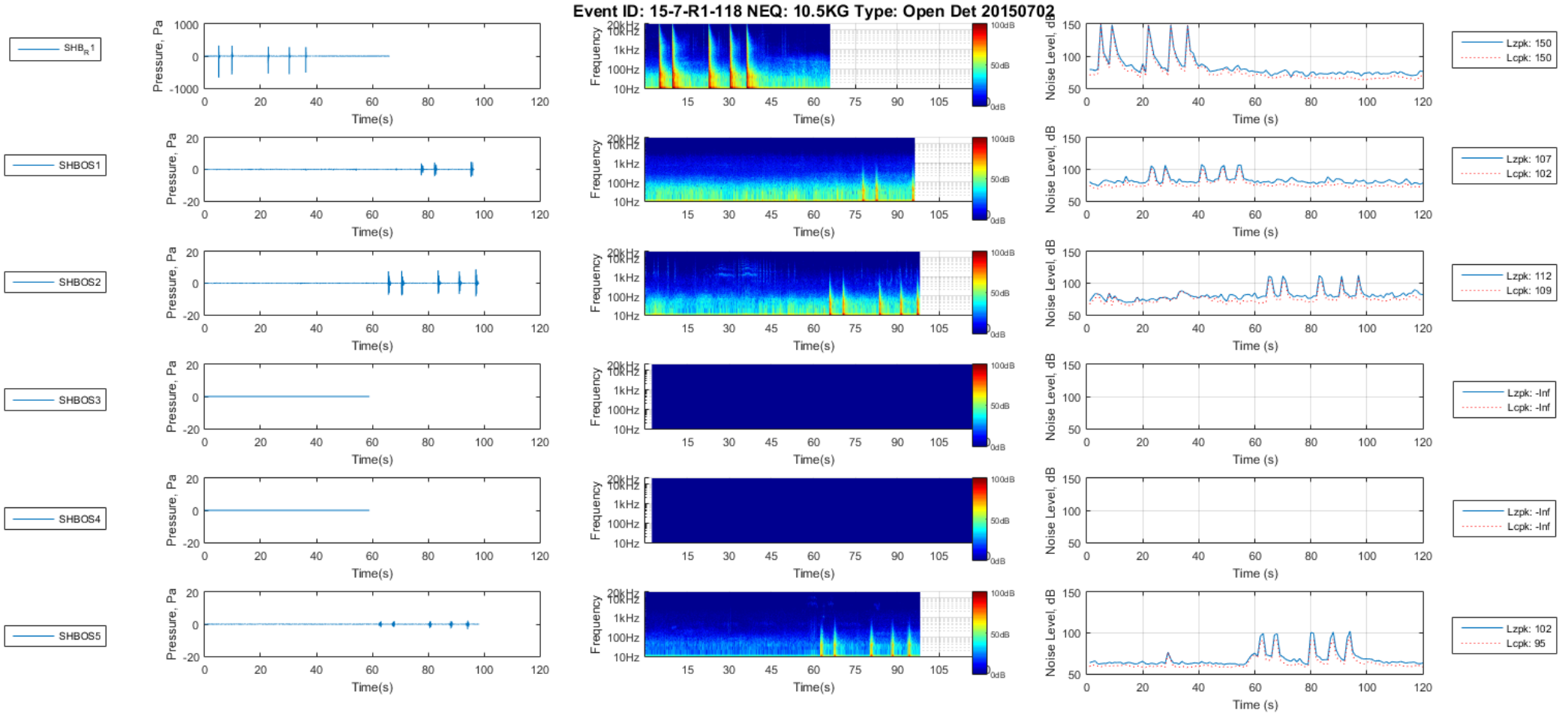


FIGURE 2.116: SHB_OS 1 - 5 15-7-R1-118

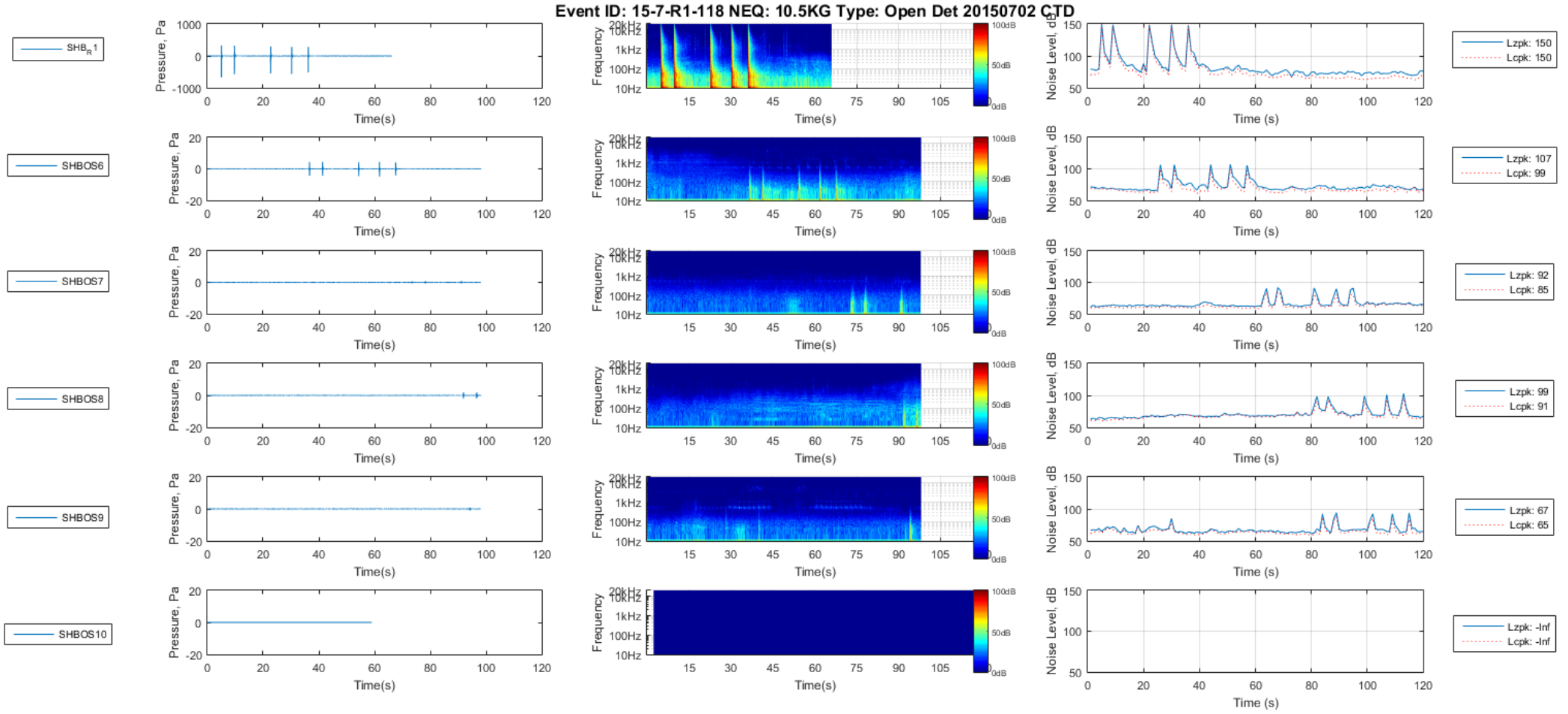


FIGURE 2.117: SHB_OS 6 - 10 15-7-R1-118

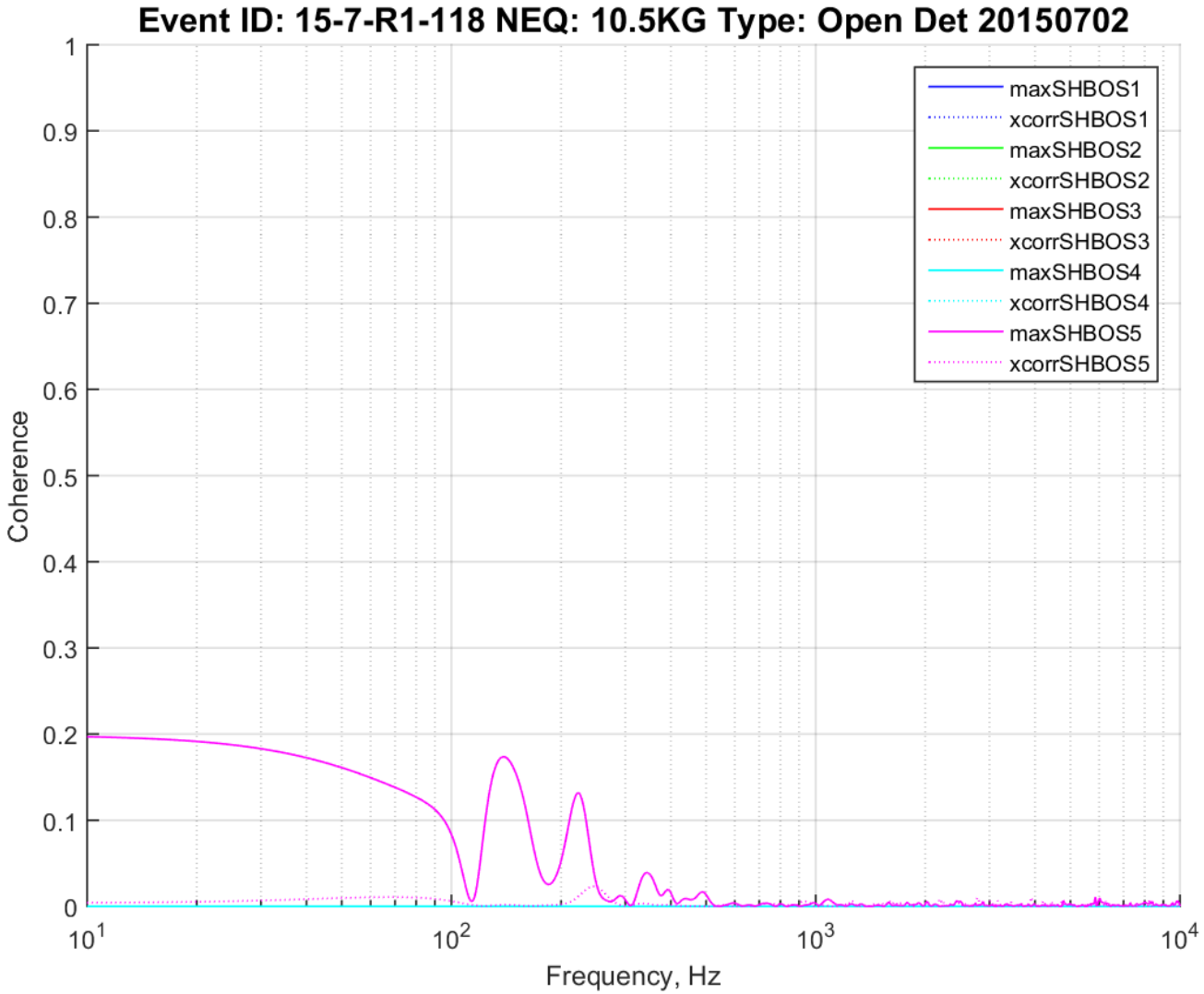


FIGURE 2.118: COHERENCE SHB_OS 1 - 5 15-7-R1-118

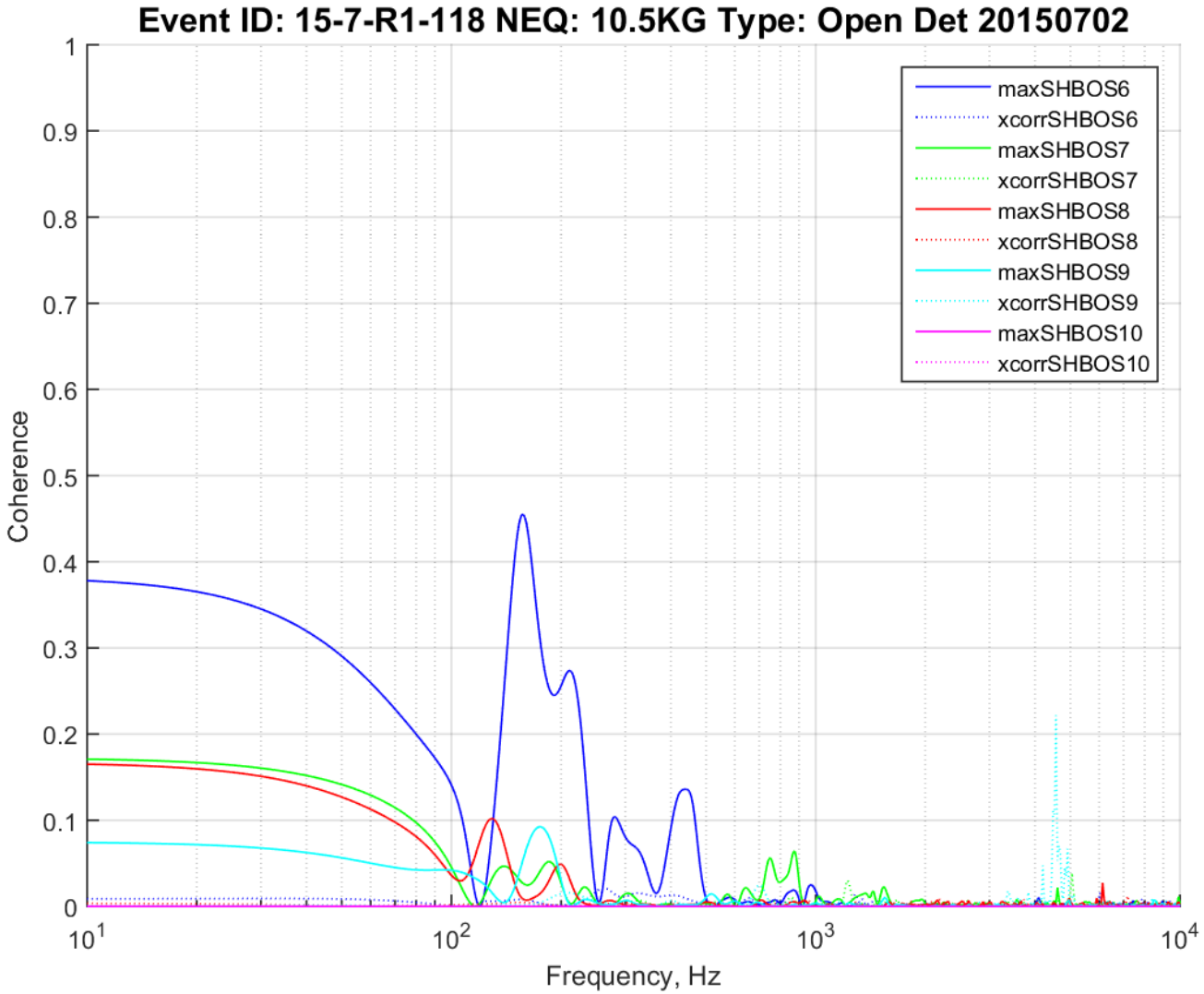


FIGURE 2.119: COHERENCE SHB_OS 6 - 10 15-7-R1-118CTD

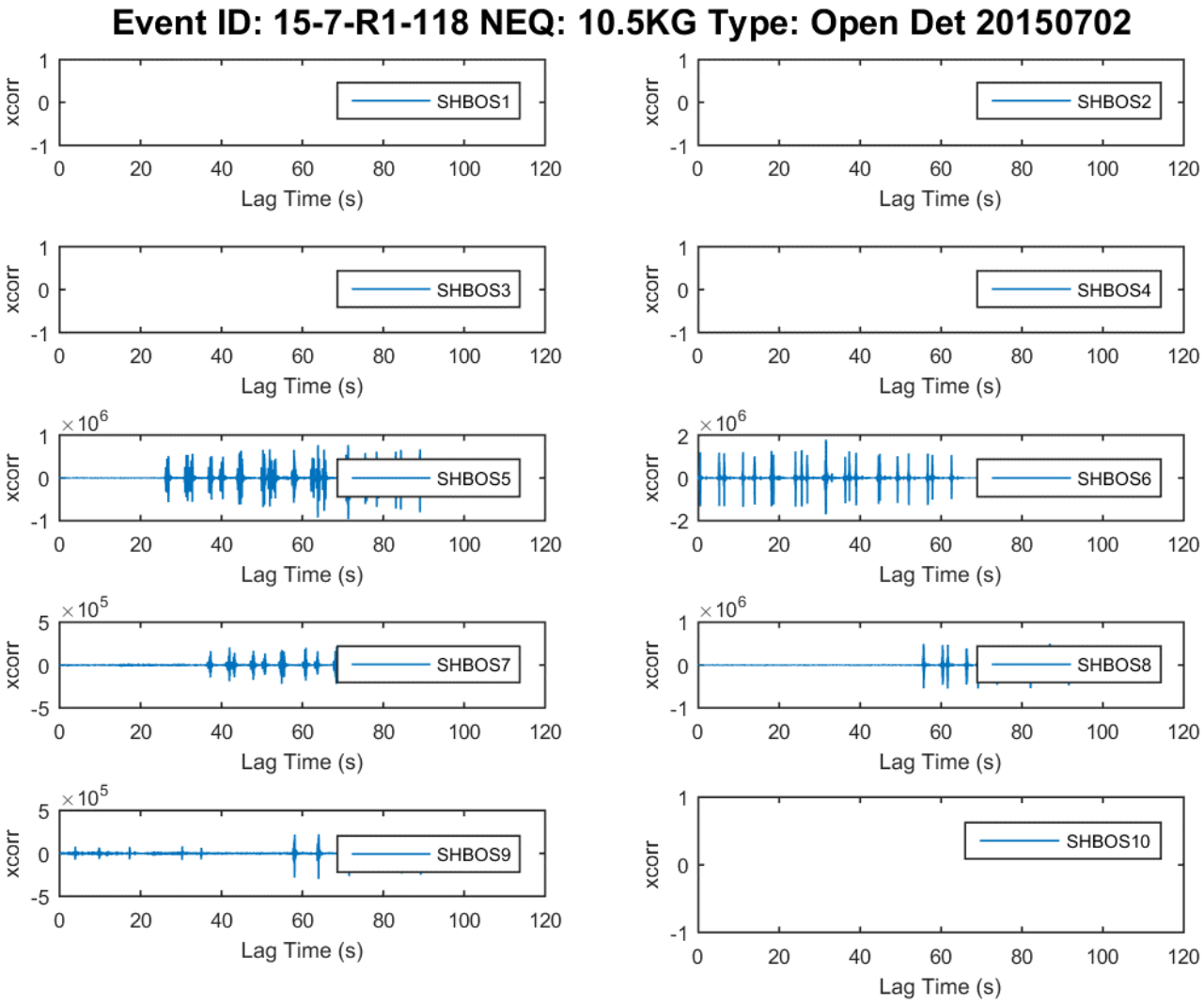


FIGURE 2.120: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-118

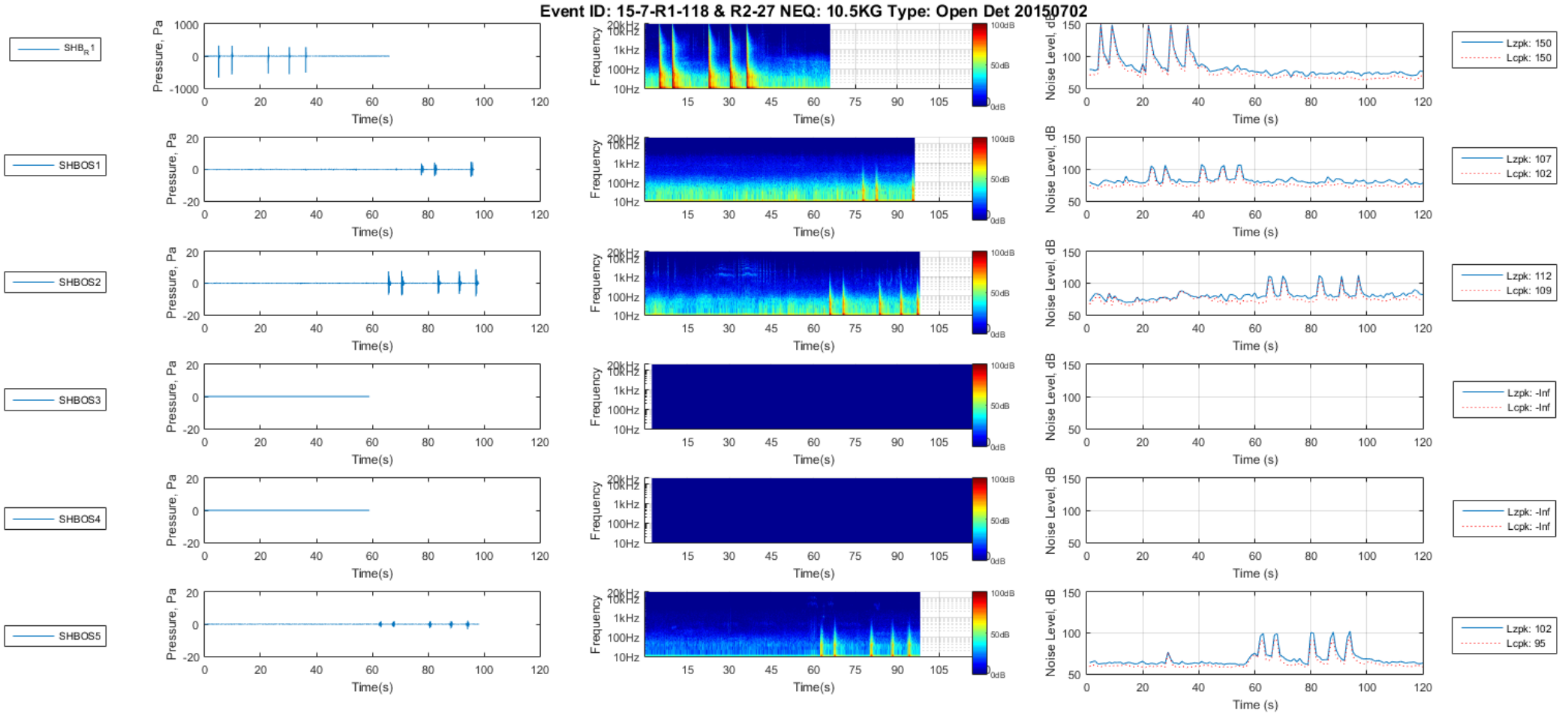


FIGURE 2.121: SHB_OS 1 - 5 15-7-R1-118 & R2-27

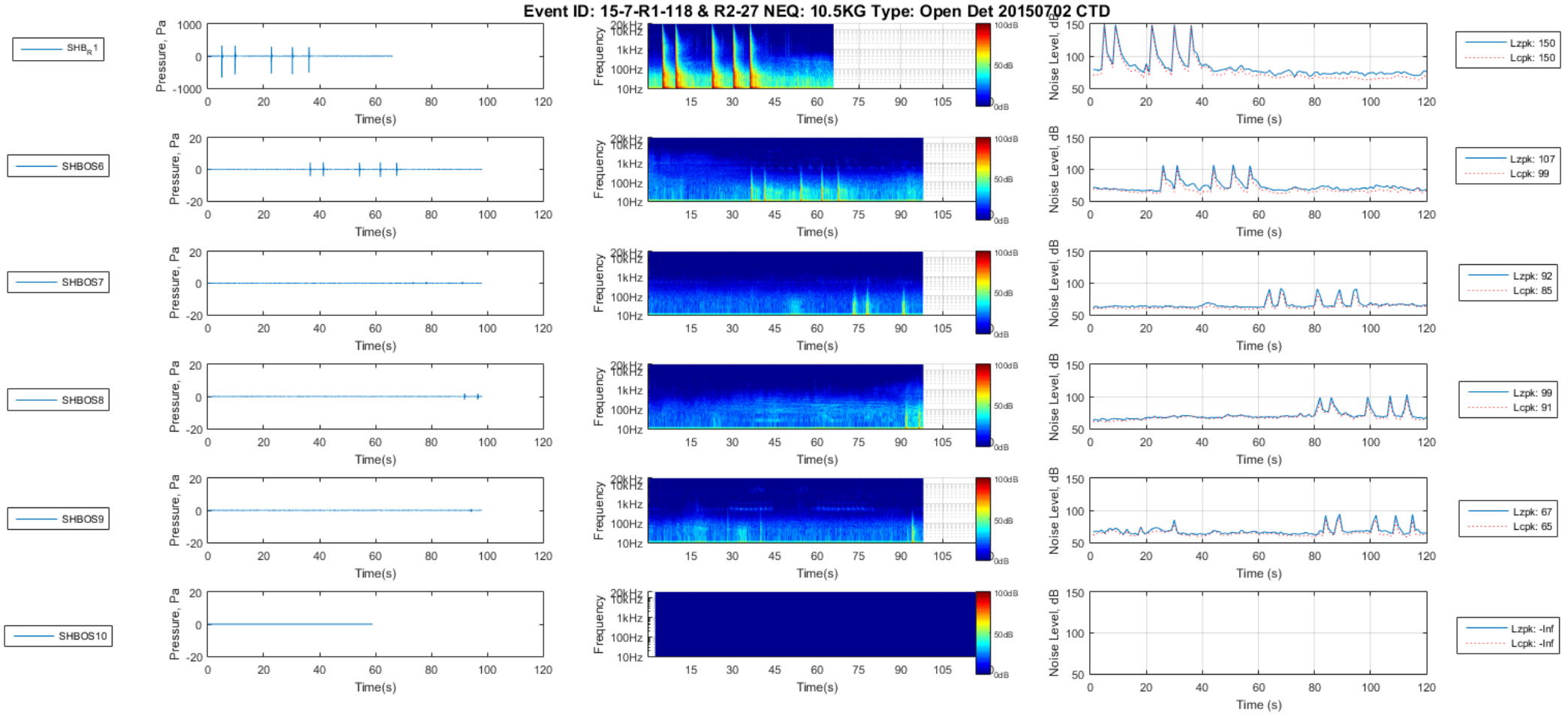


FIGURE 2.122: SHB_OS 6 - 10 15-7-R1-118 & R2-27

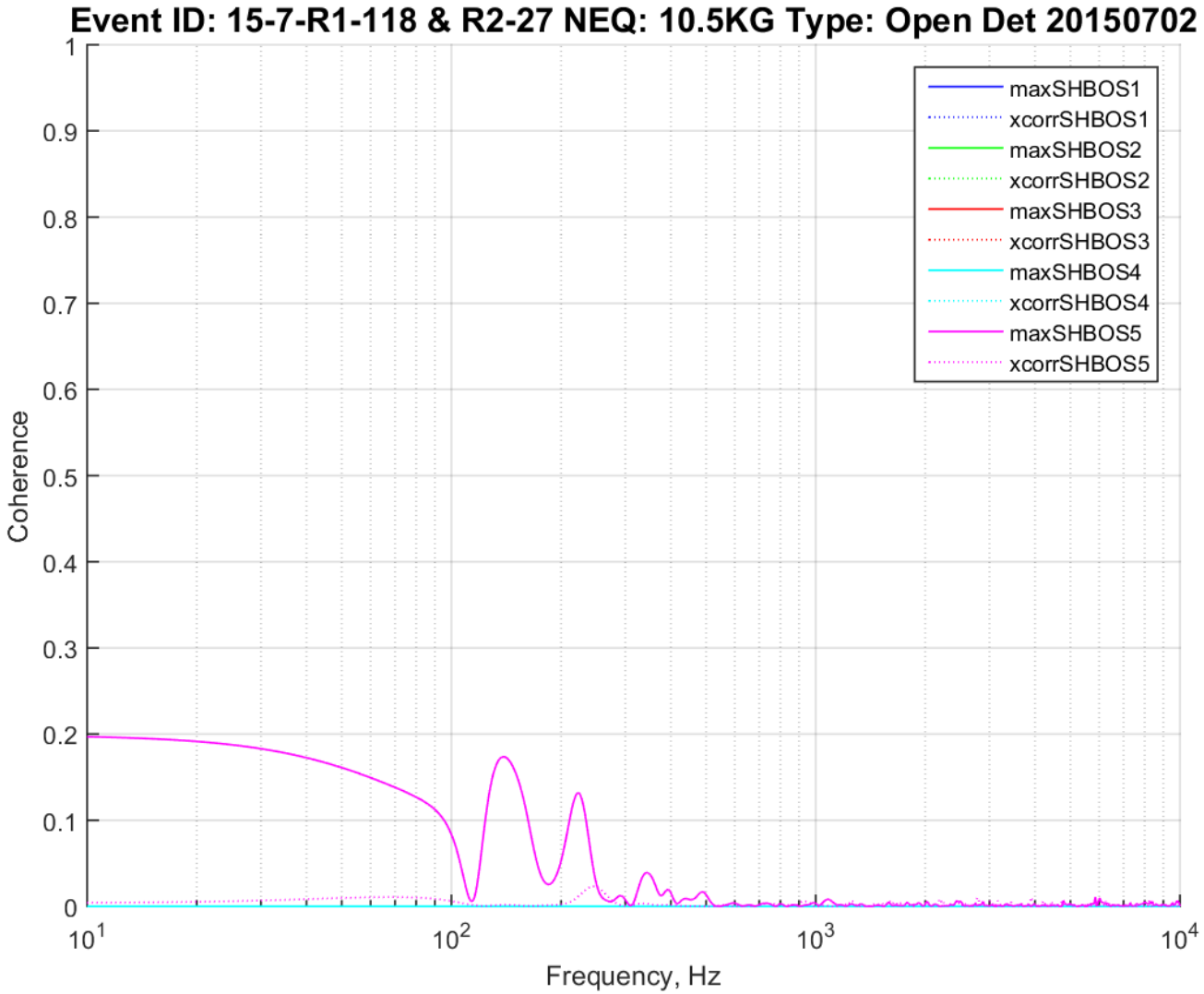


FIGURE 2.123: COHERENCE SHB_OS 1 - 5 15-7-R1-118 & R2-27

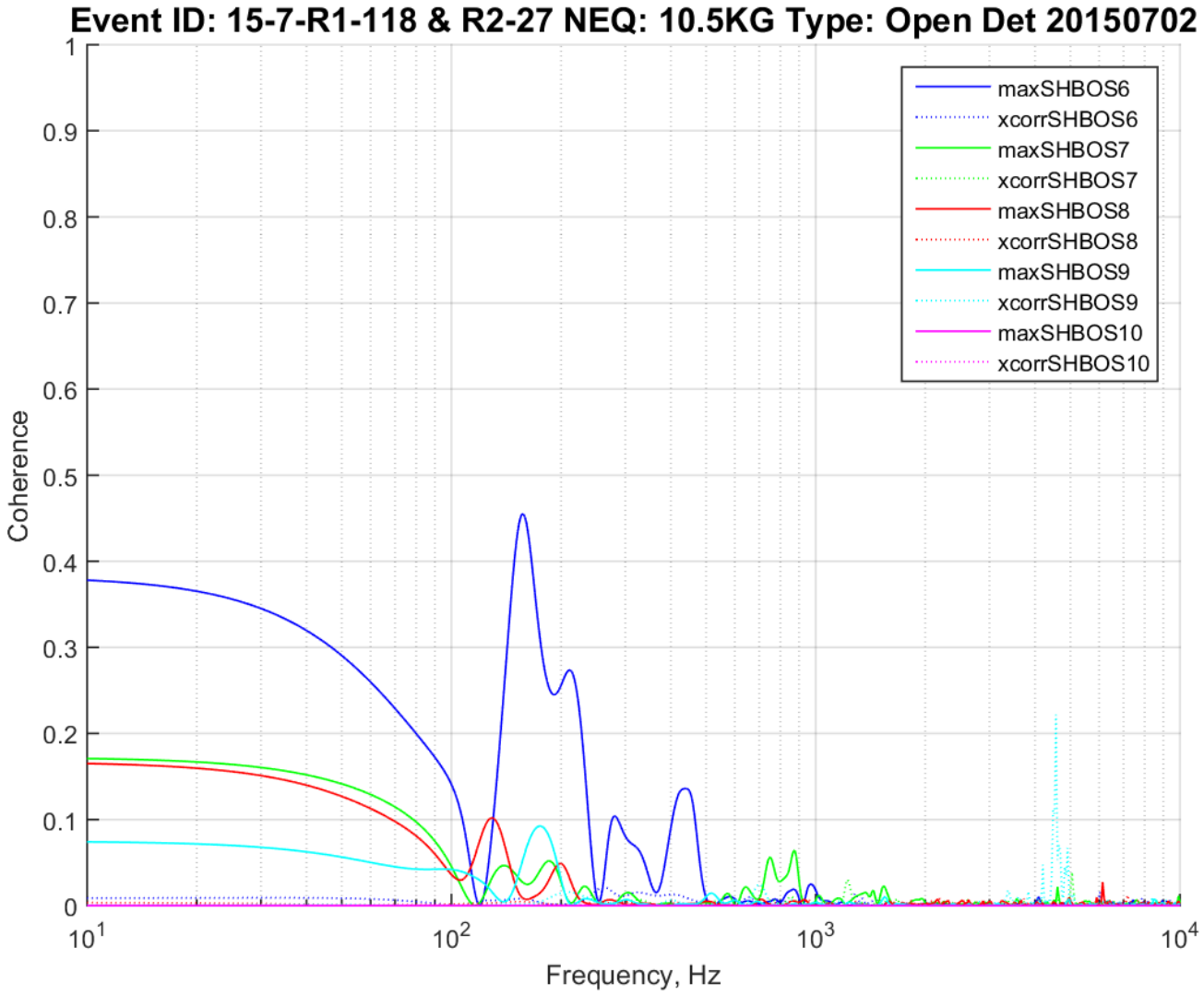


FIGURE 2.124: COHERENCE SHB_OS 6 - 10 15-7-R1-118 & R2-27CTD

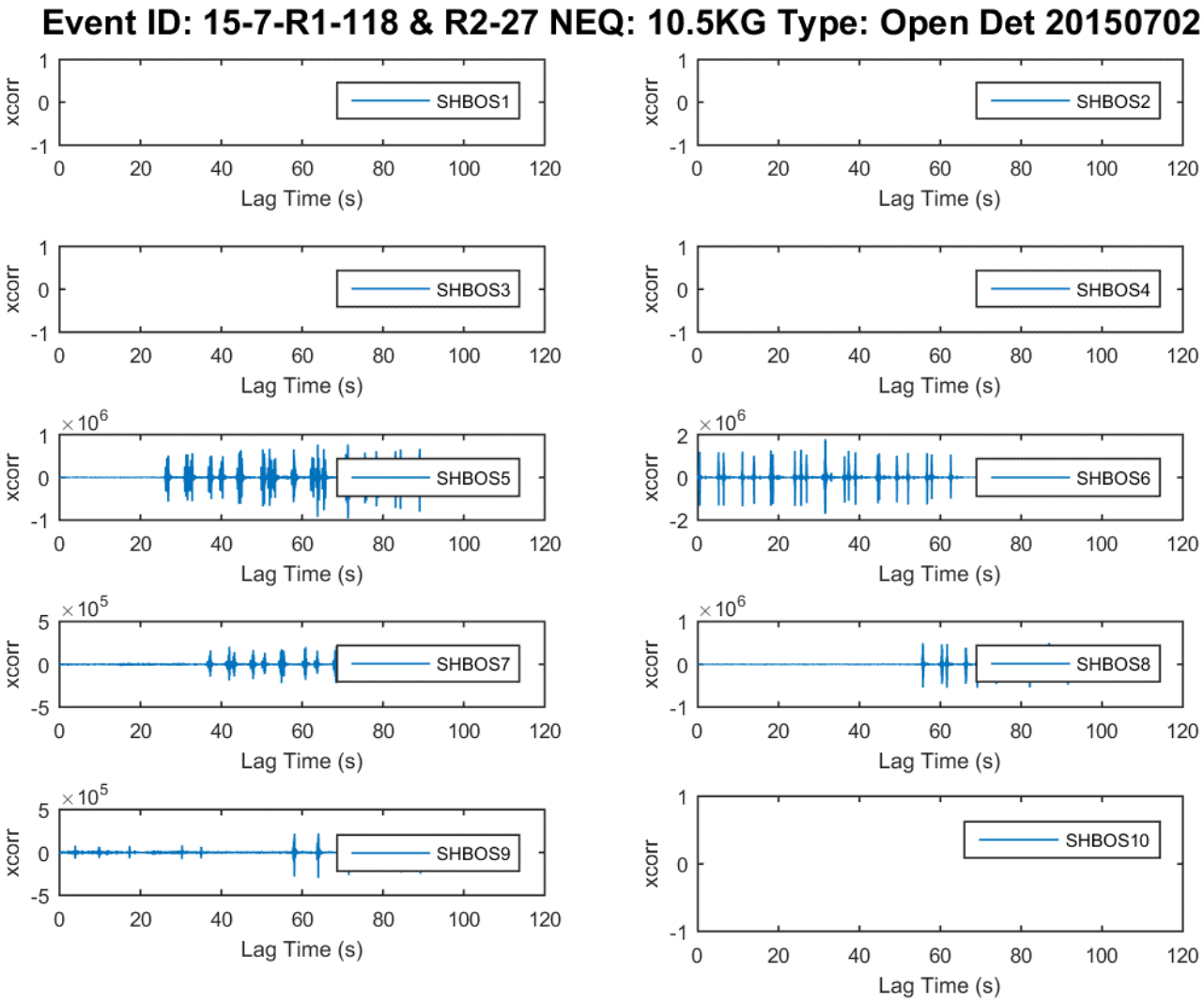
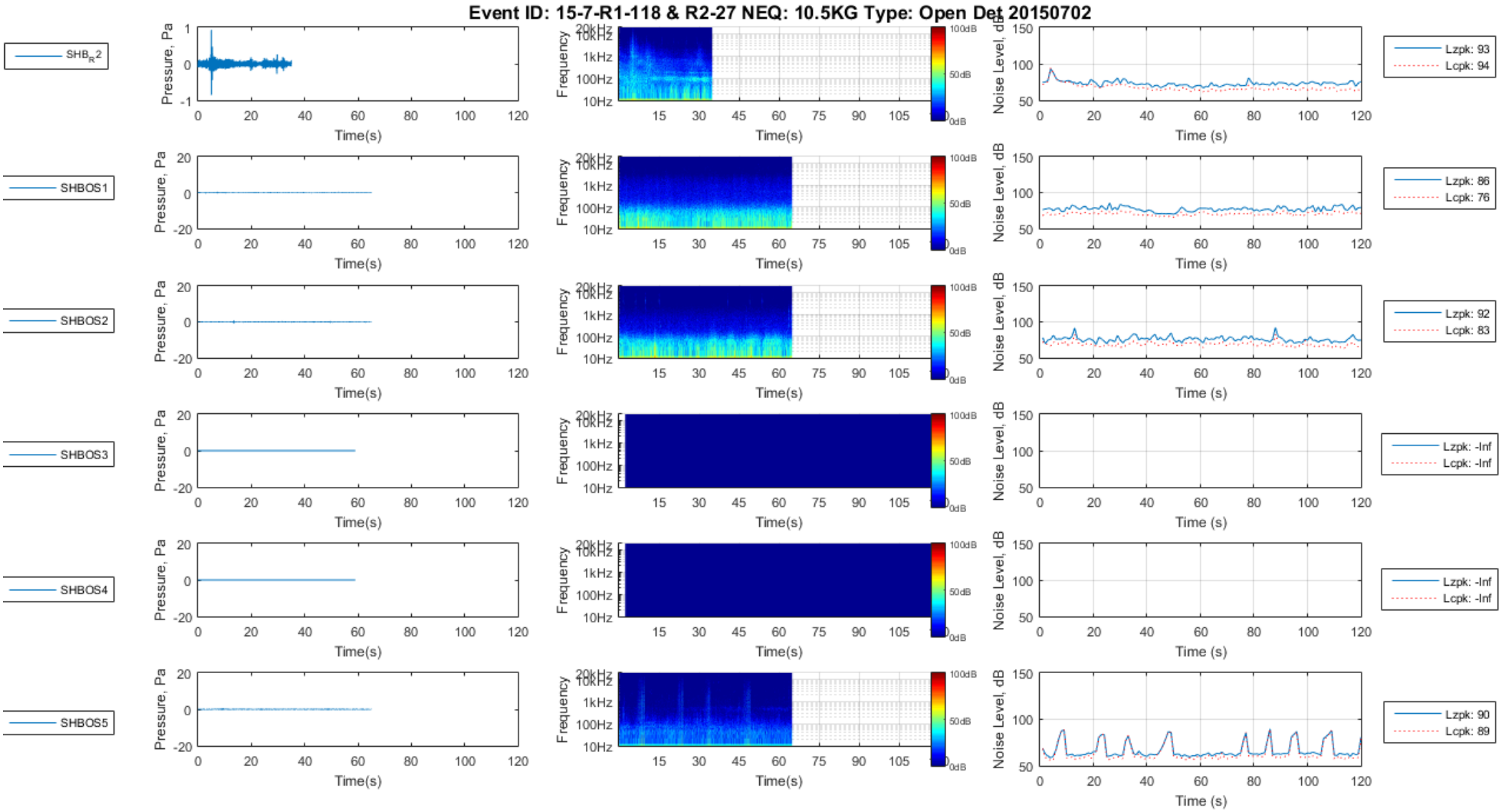
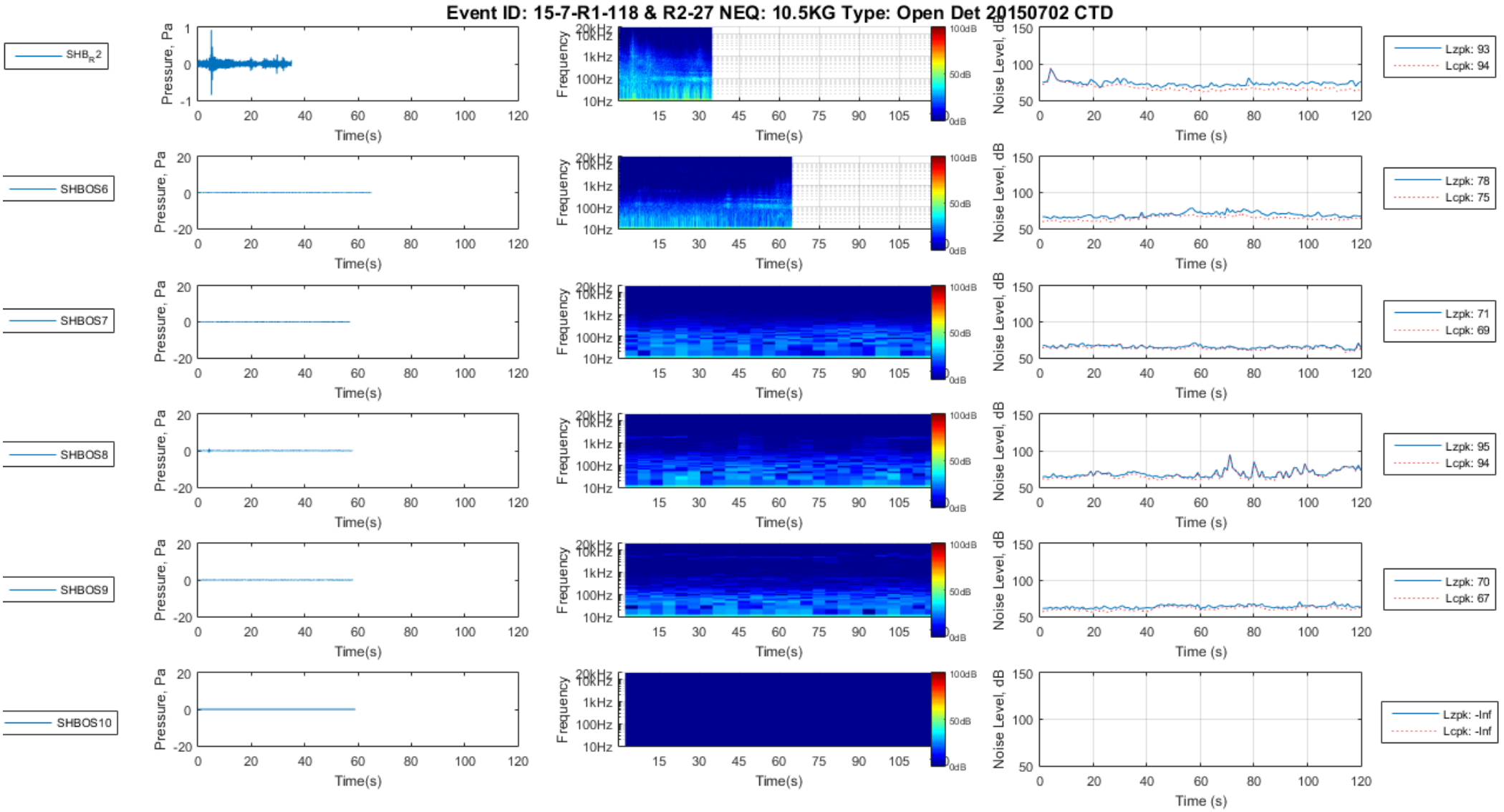


FIGURE 2.125: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-118 & R2-27


Event ID: 15-7-R1-118 & R2-27 NEQ: 10.5KG Type: Open Det 20150702
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 93
Lcpk: 94
Lzpk: 86
Lcpk: 76
Lzpk: 92
Lcpk: 83
Lzpk: -Inf
Lcpk: -Inf
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 90
Lcpk: 89


Event ID: 15-7-R1-118 & R2-27 NEQ: 10.5KG Type: Open Det 20150702 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 93
Lcpk: 94
Lzpk: 78
Lcpk: 75
Lzpk: 71
Lcpk: 69
Lzpk: 95
Lcpk: 94
Lzpk: 70
Lcpk: 67
Lzpk: -Inf
Lcpk: -Inf

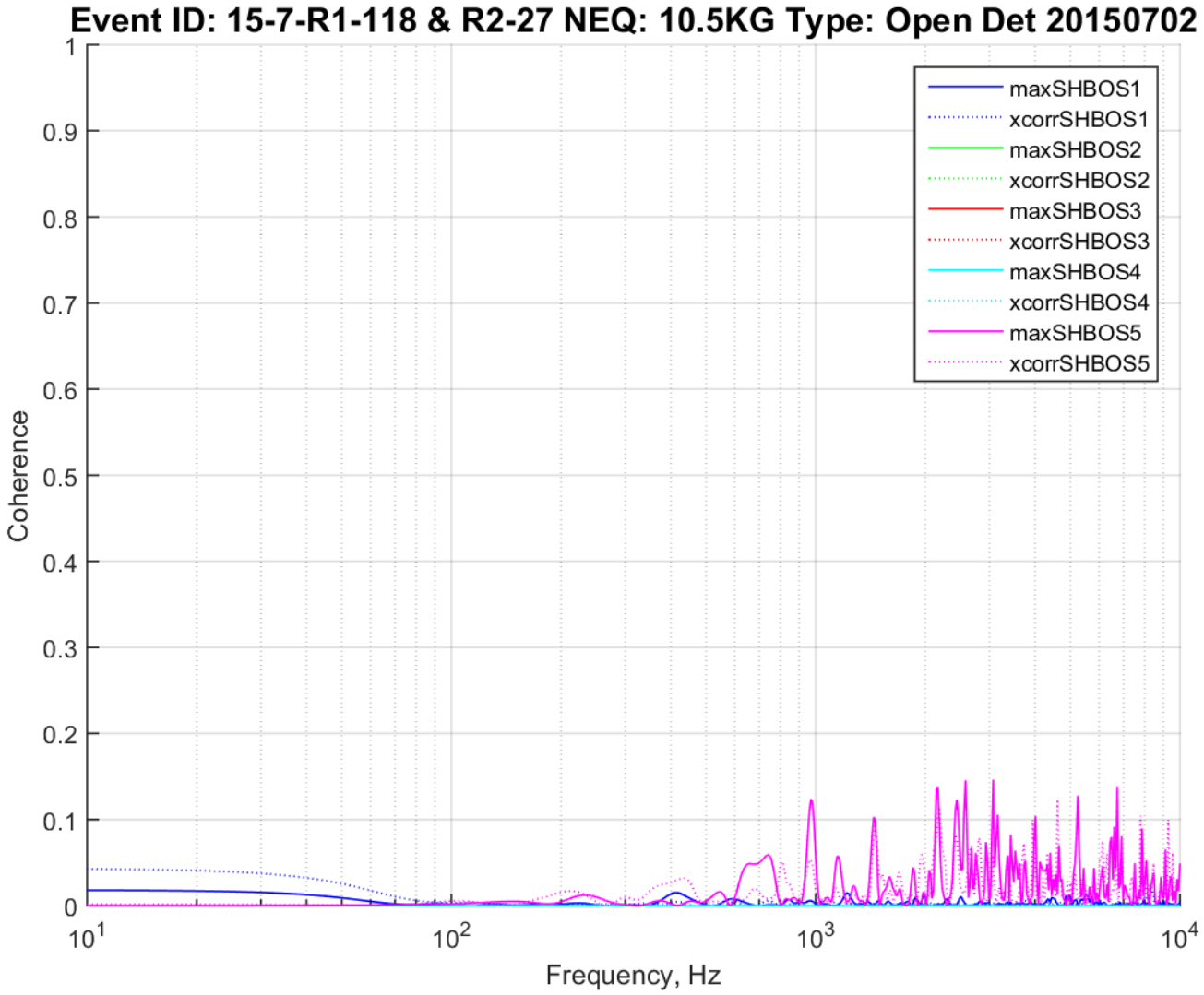


FIGURE 2.128: COHERENCE SHB_OS 1 - 5 15-7-R1-118 & R2-27

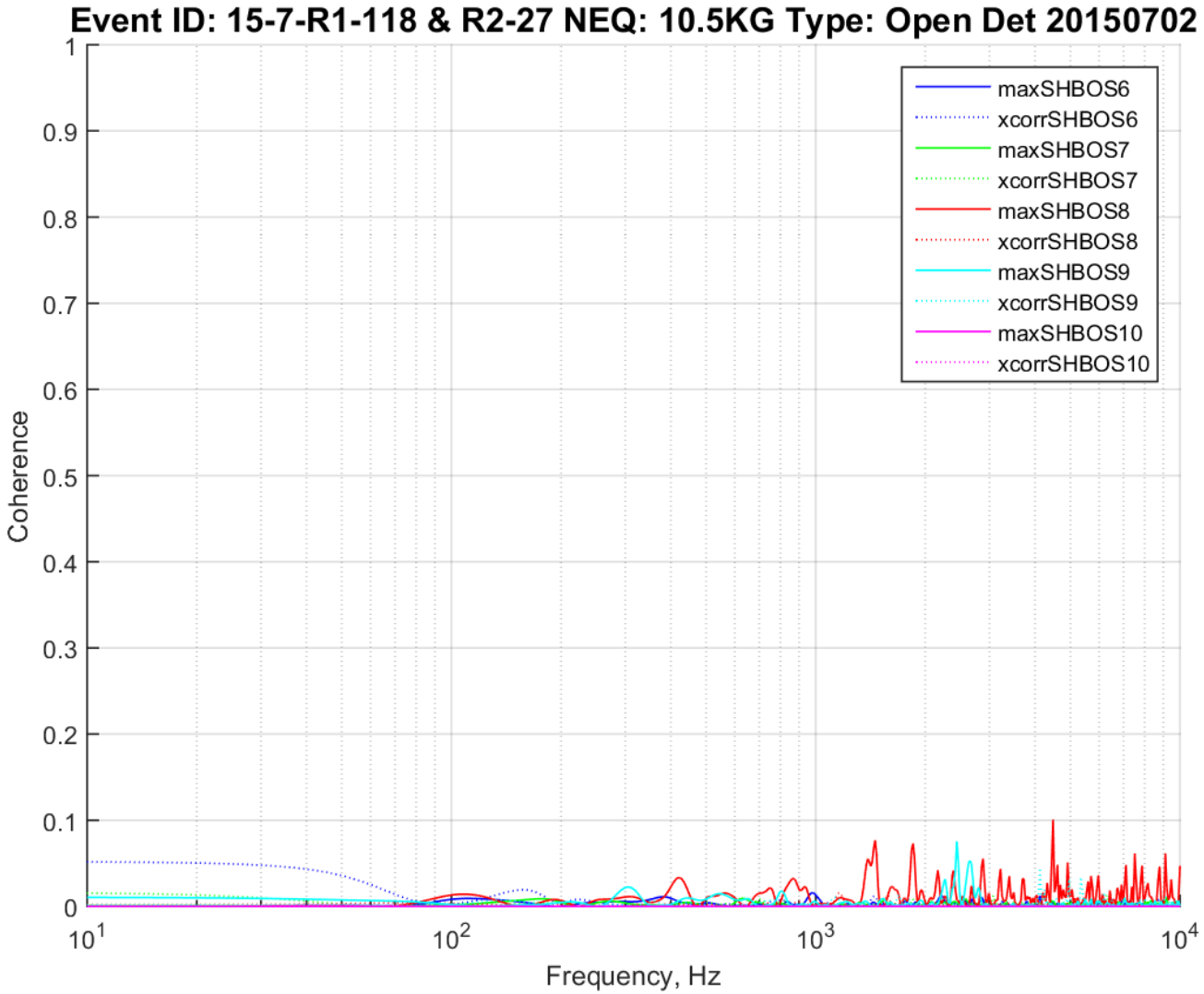


FIGURE 2.129: COHERENCE SHB_OS 6 - 10 15-7-R1-118 & R2-27CTD

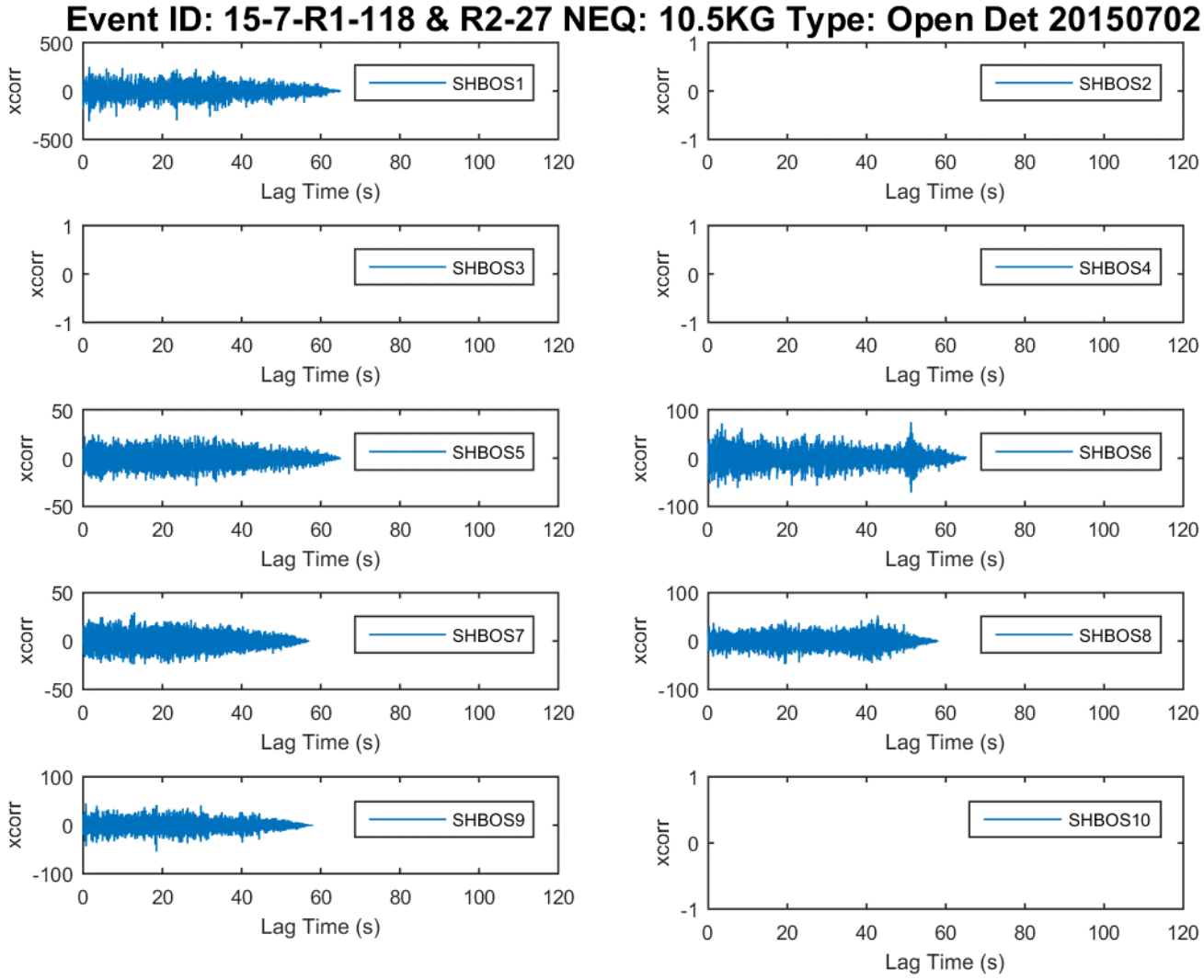


FIGURE 2.130: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-118 & R2-27

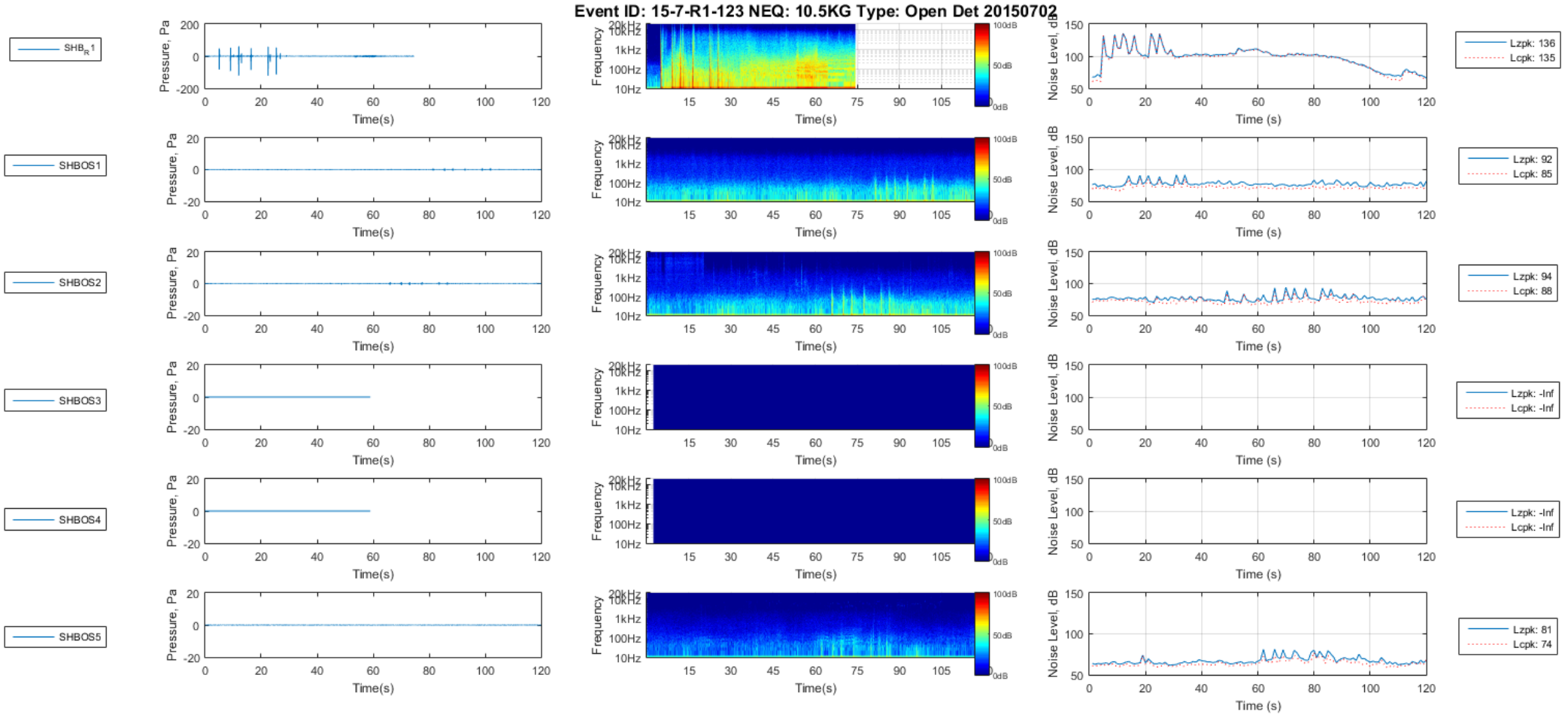


FIGURE 2.131: SHB_OS 1 - 5 15-7-R1-123

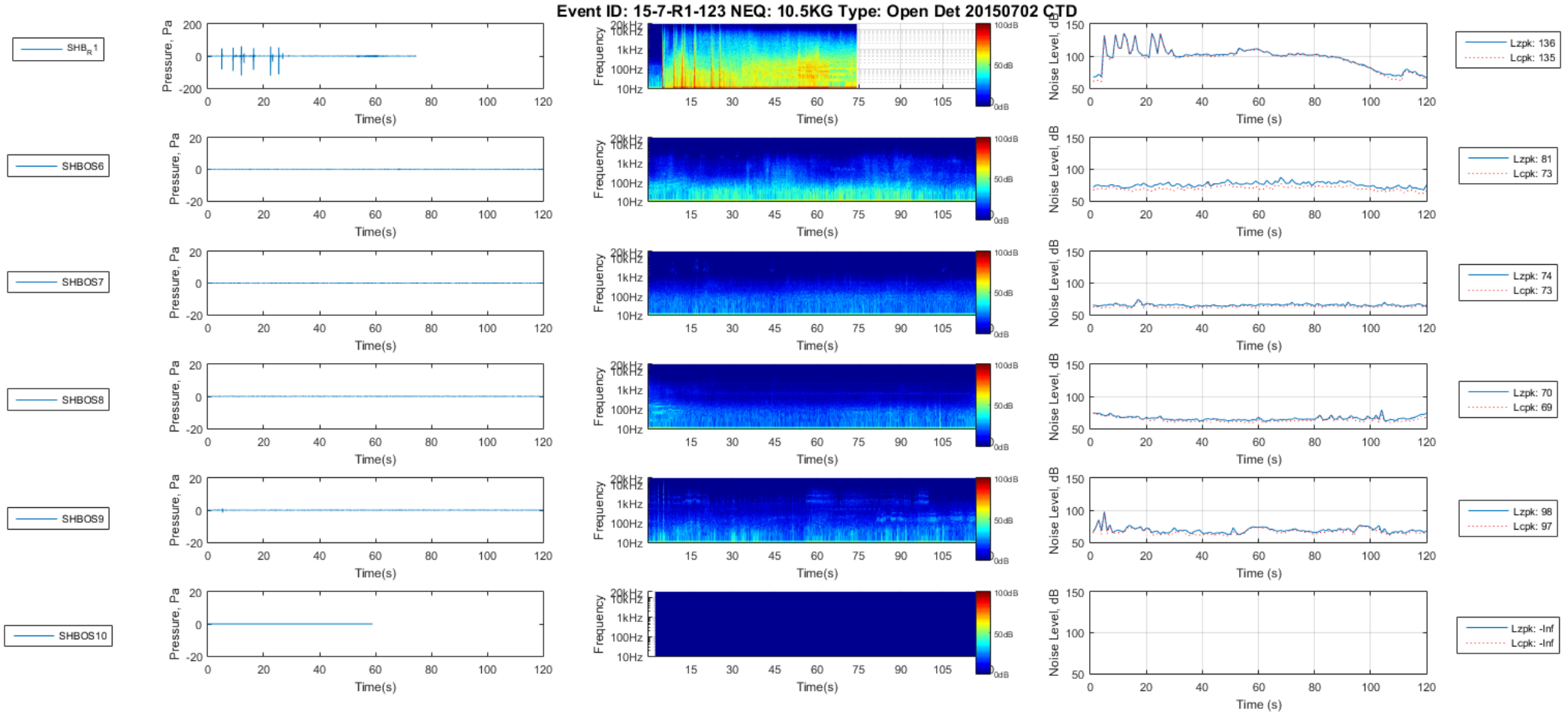


FIGURE 2.132: SHB_OS 6 - 10 15-7-R1-123

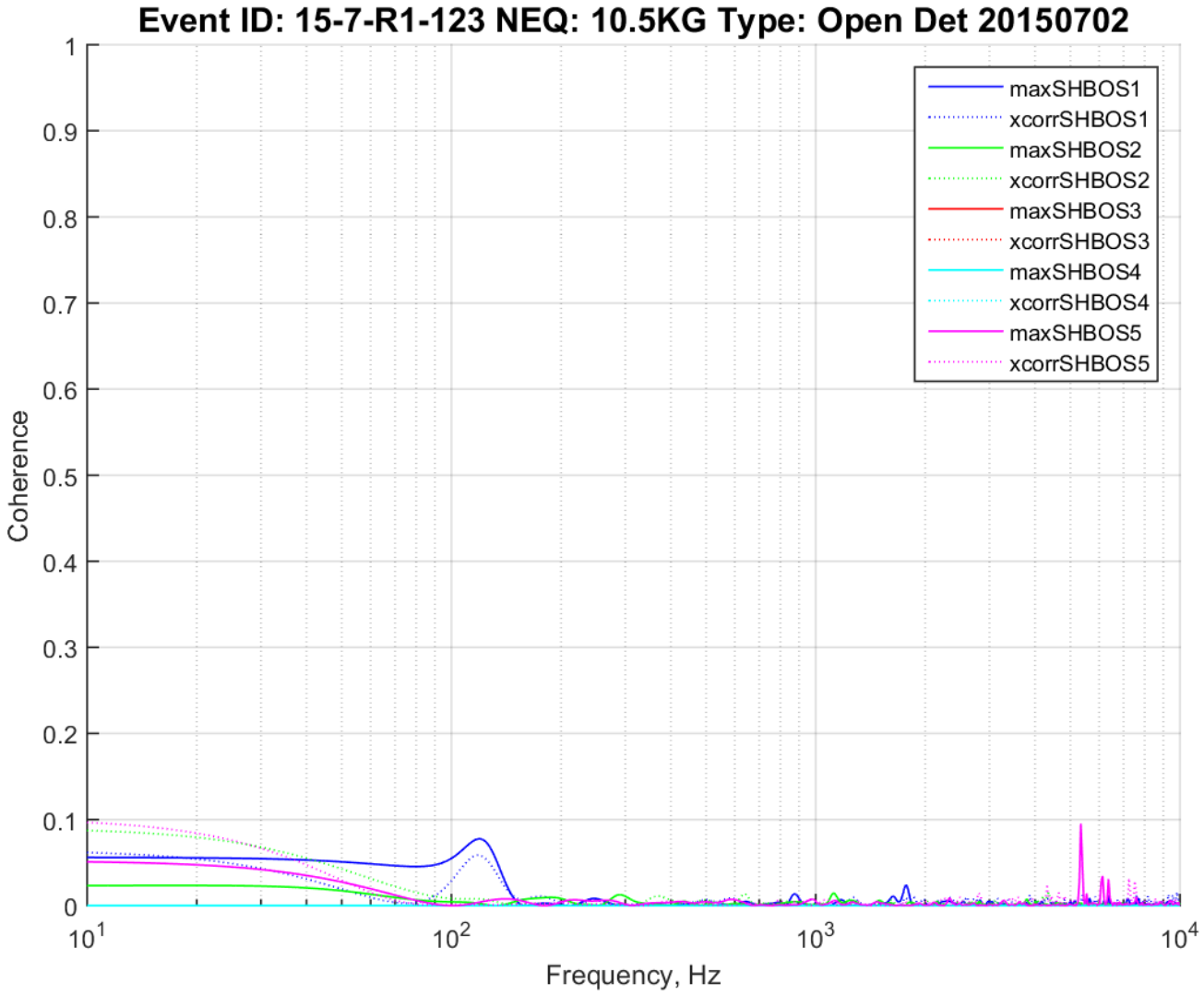


FIGURE 2.133: COHERENCE SHB_OS 1 - 5 15-7-R1-123

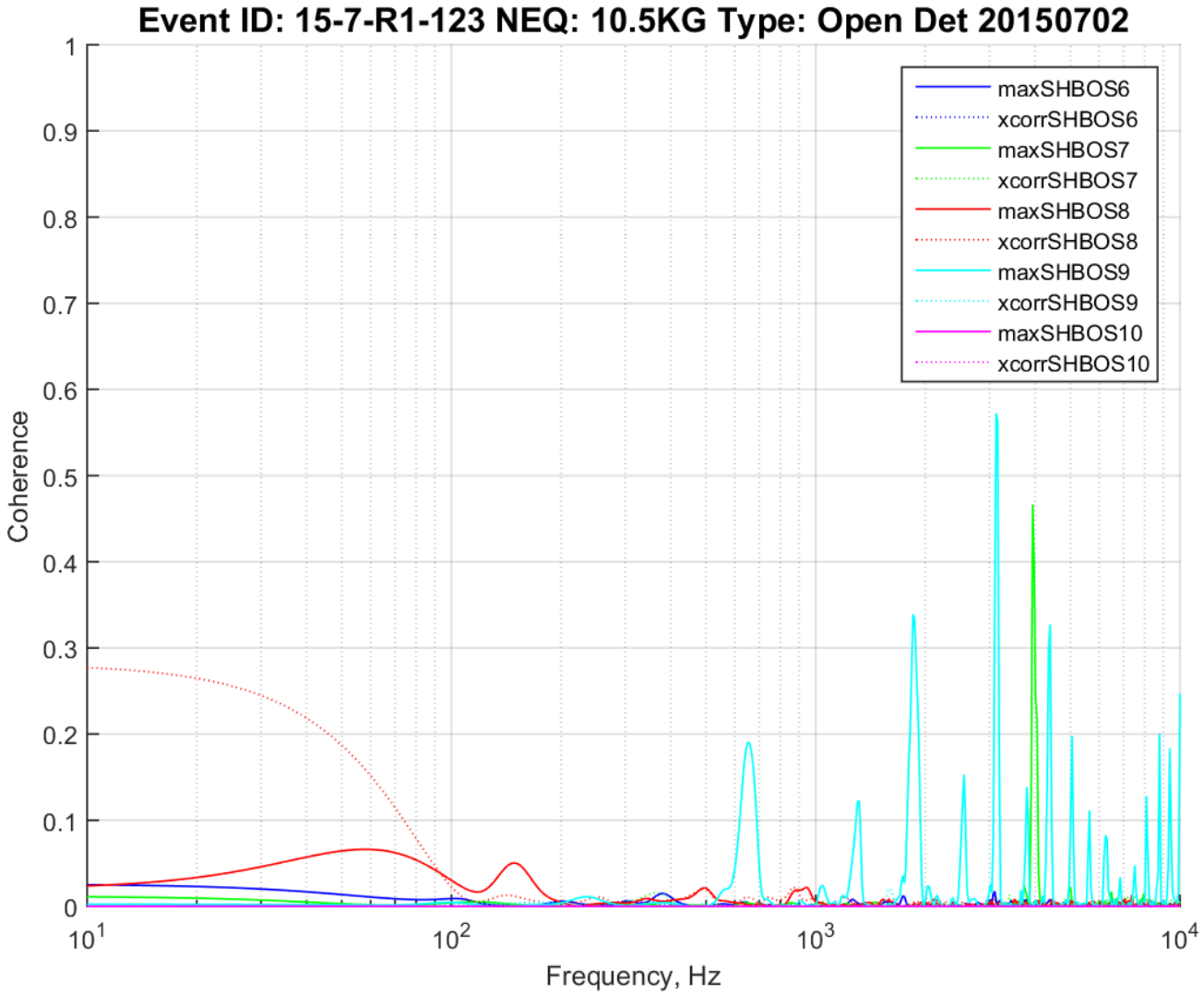


FIGURE 2.134: COHERENCE SHB_OS 6 - 10 15-7-R1-123CTD

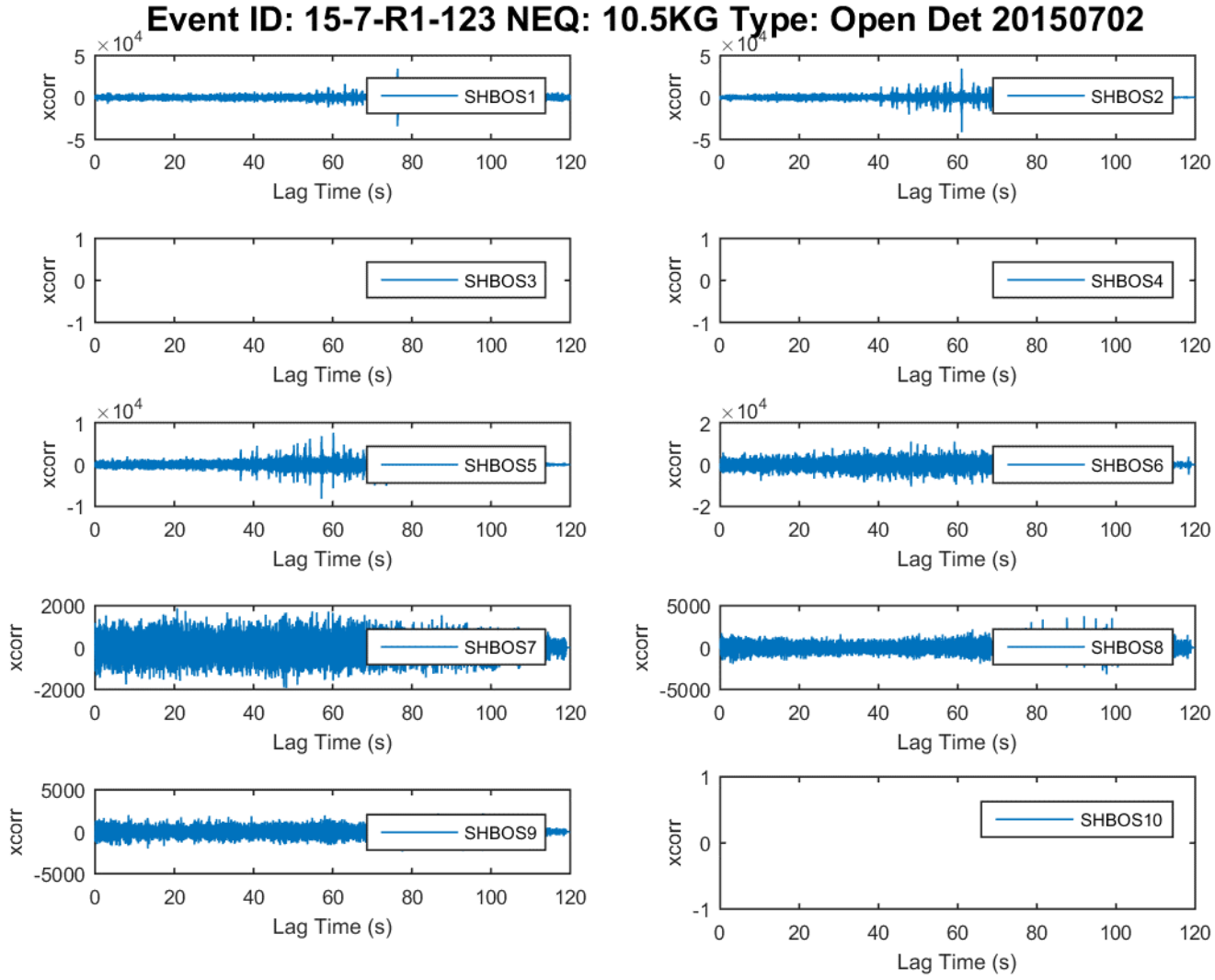


FIGURE 2.135: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-123

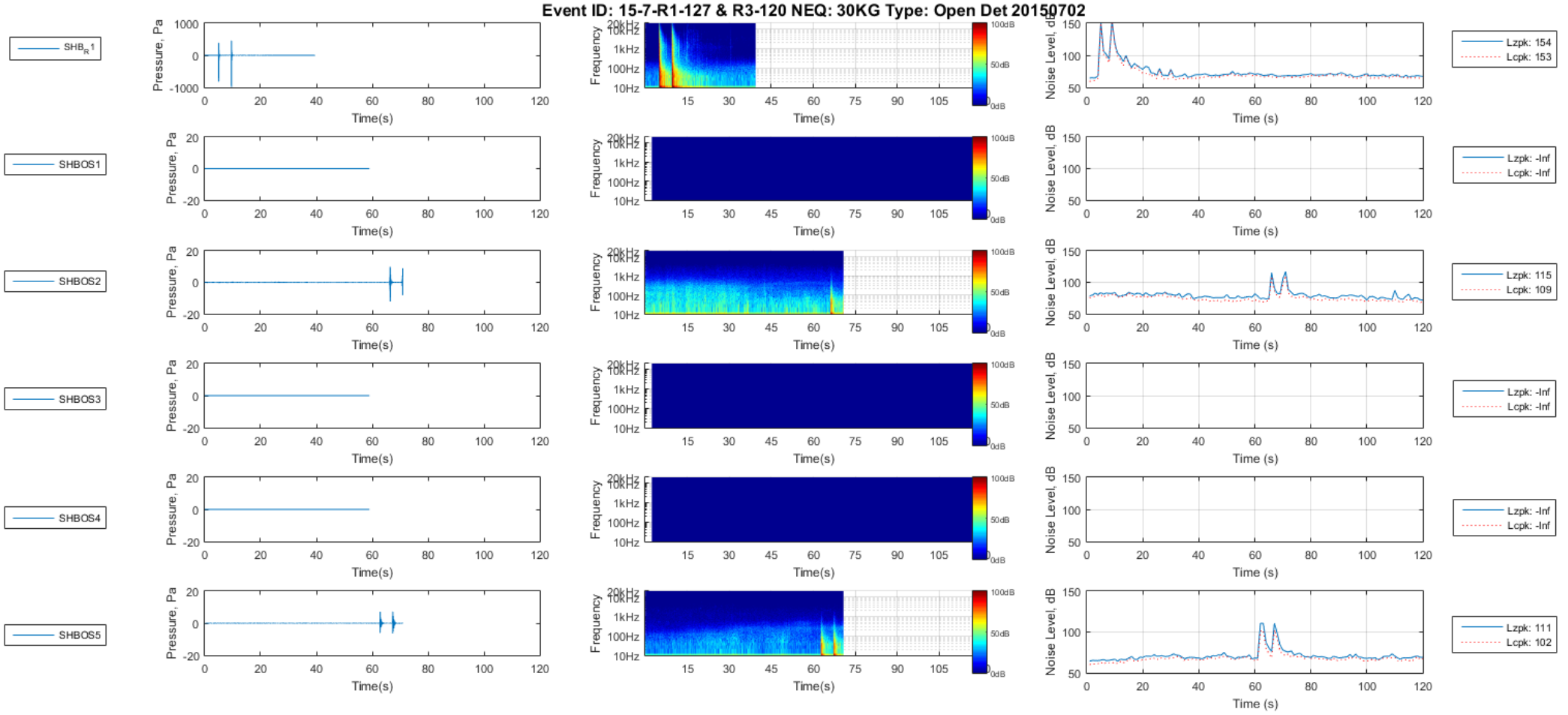


FIGURE 2.136: SHB_OS 1 - 5 15-7-R1-127 & R3-120

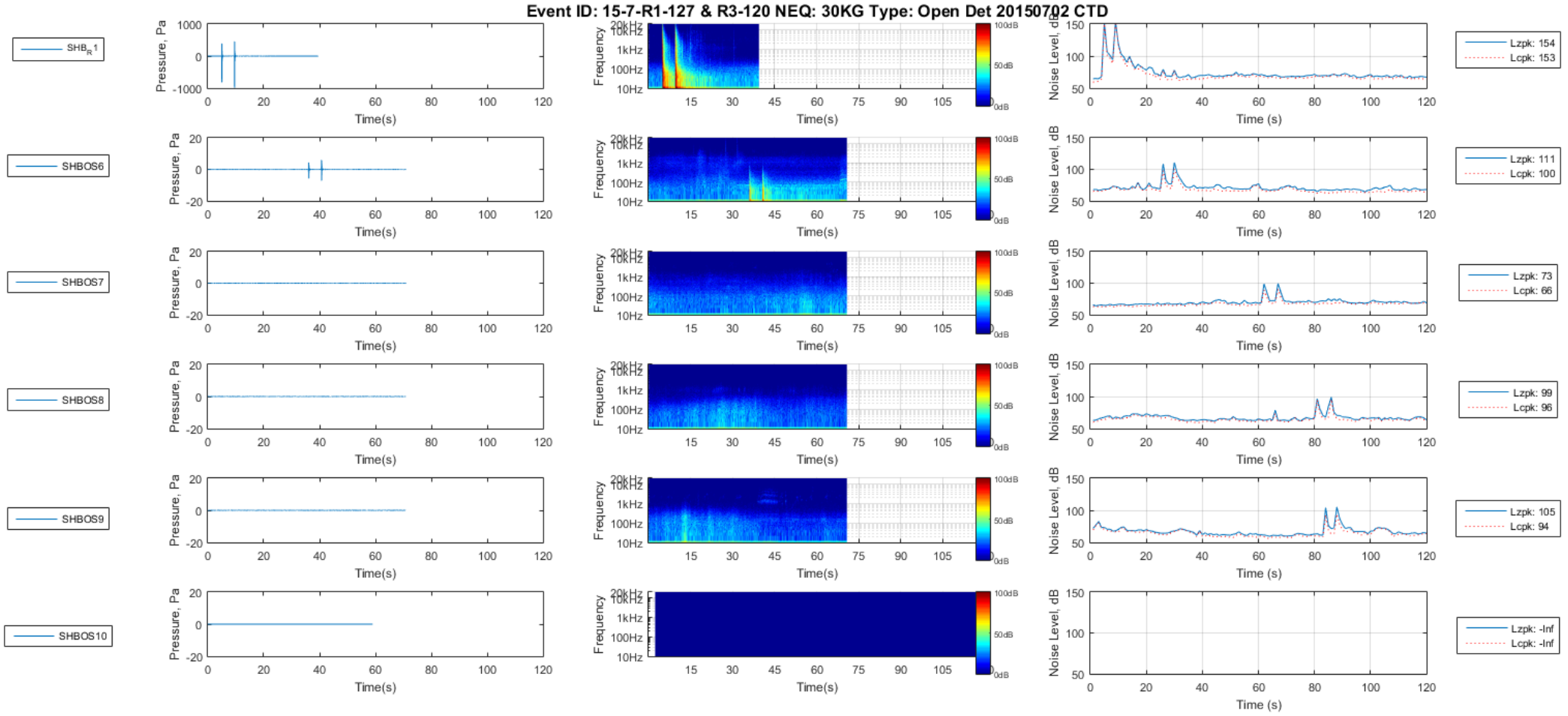


FIGURE 2.137: SHB_OS 6 - 10 15-7-R1-127 & R3-120

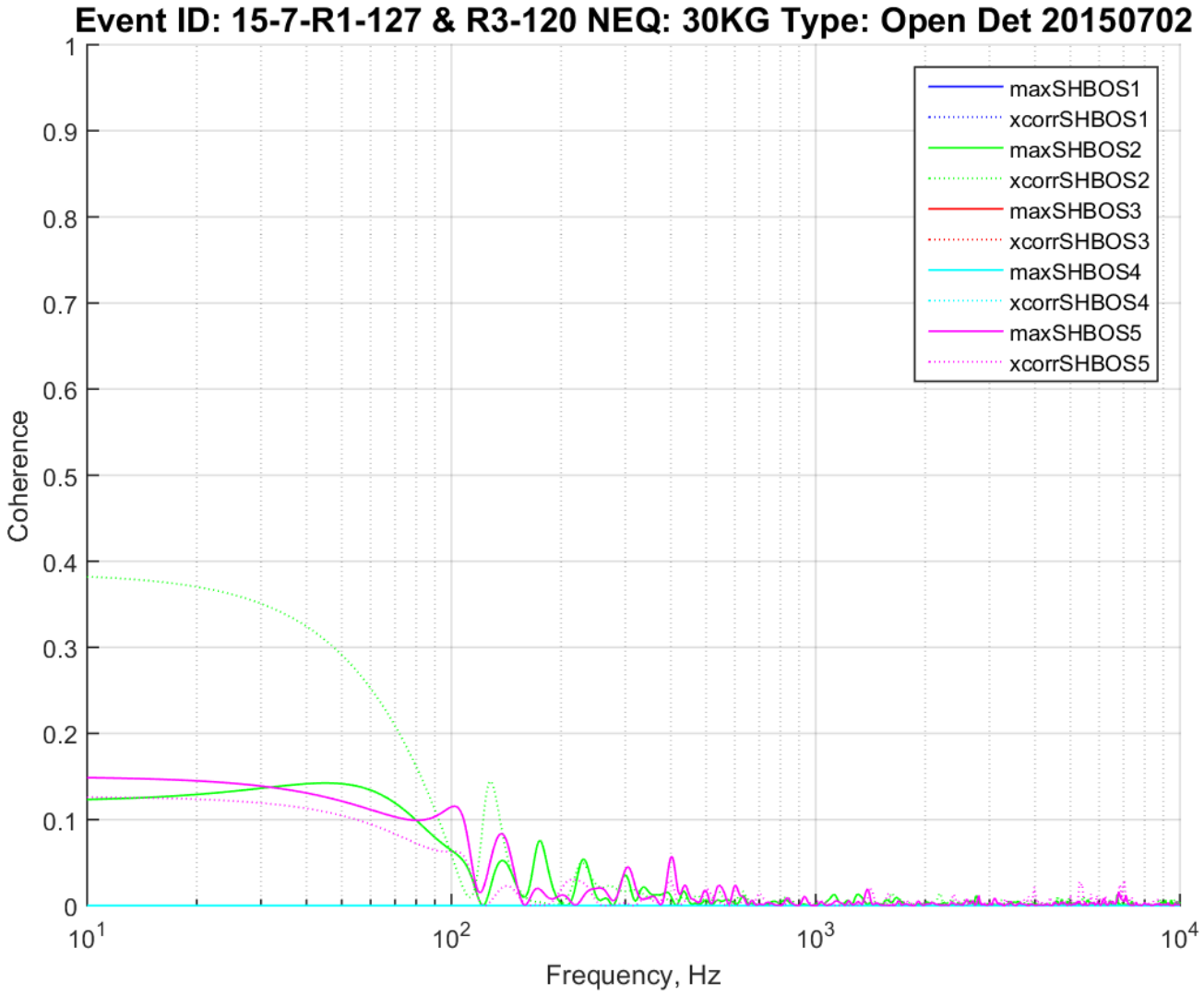


FIGURE 2.138: COHERENCE SHB_OS 1 - 5 15-7-R1-127 & R3-120

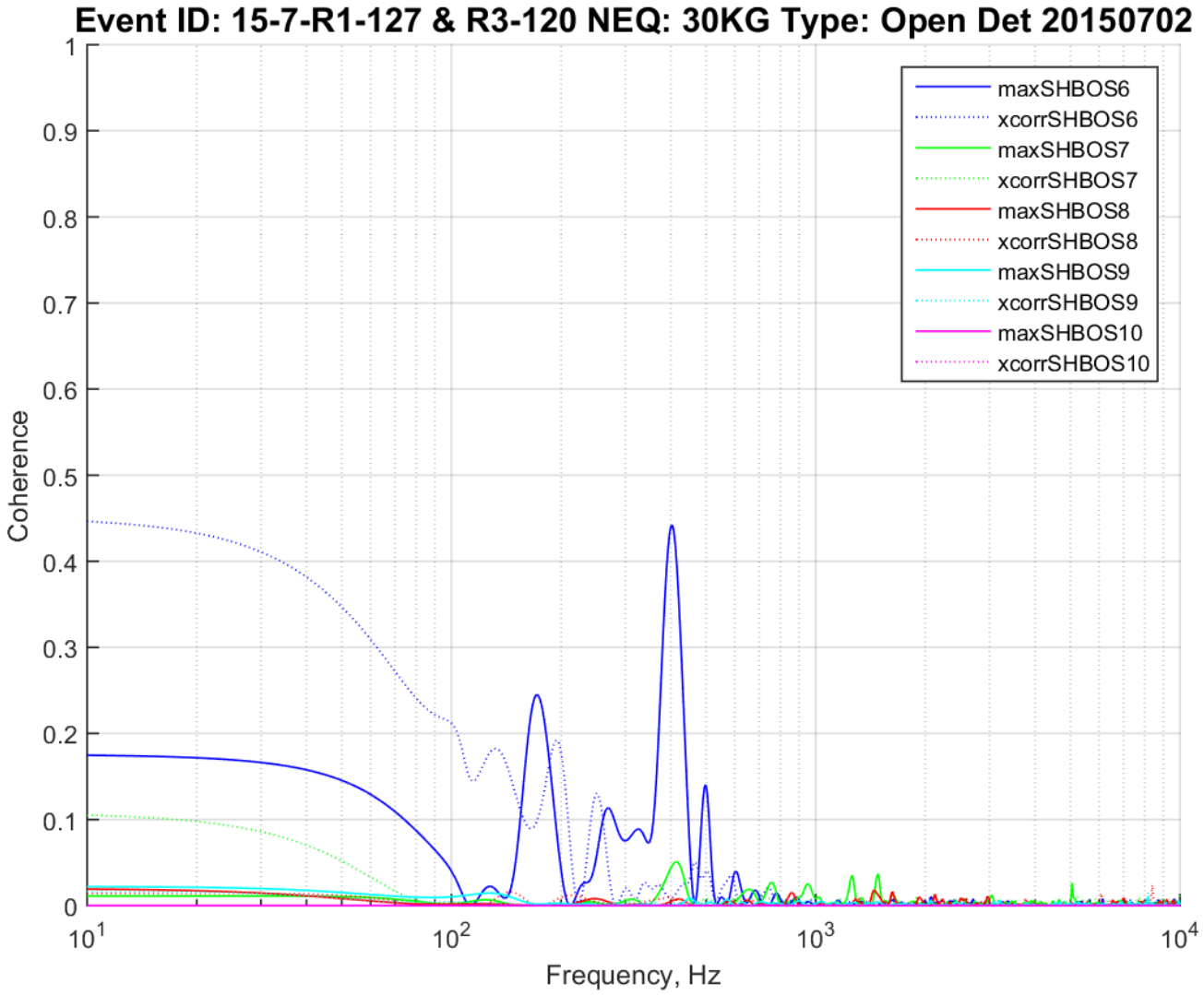


FIGURE 2.139: COHERENCE SHB_OS 6 - 10 15-7-R1-127 & R3-120CTD

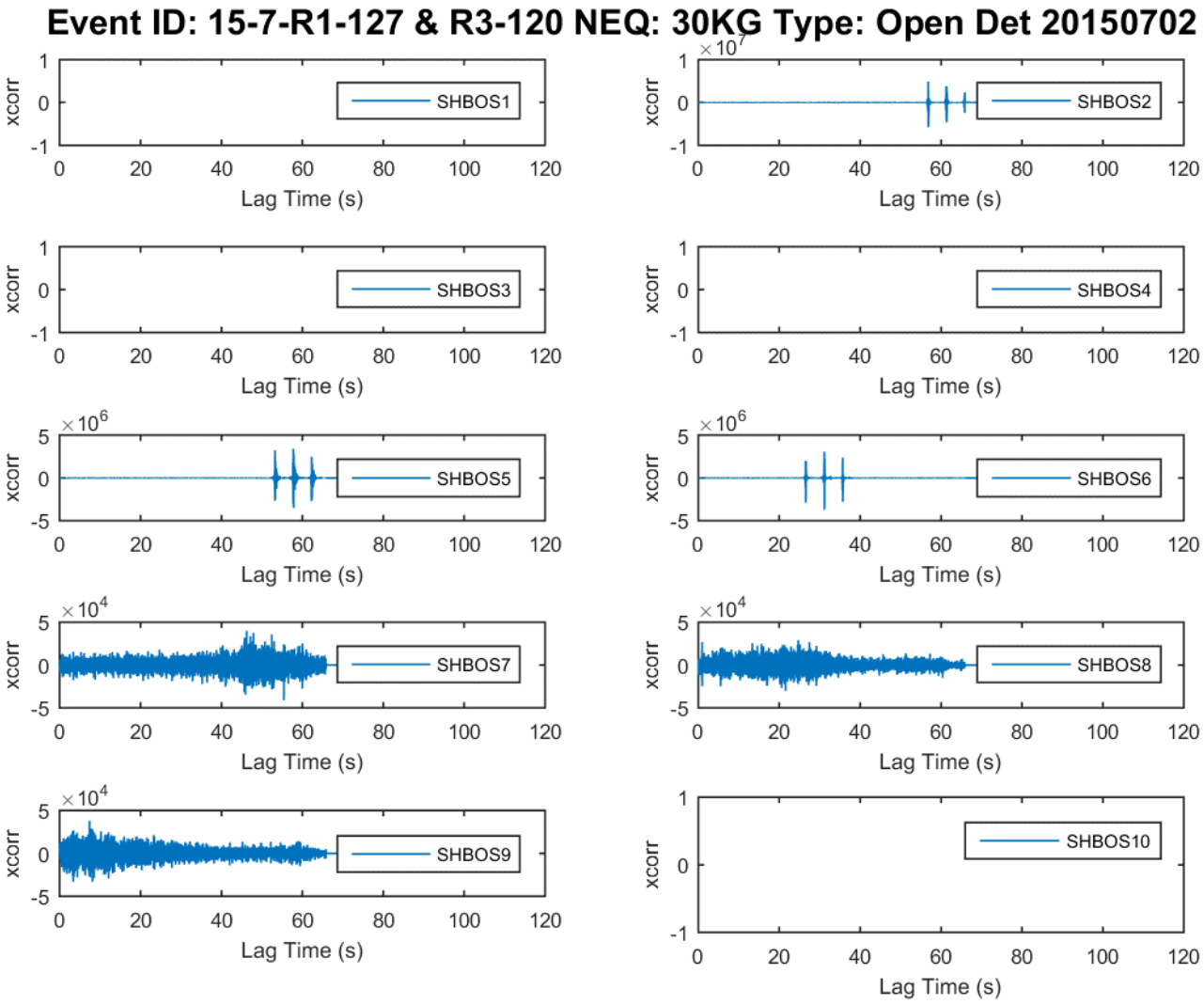
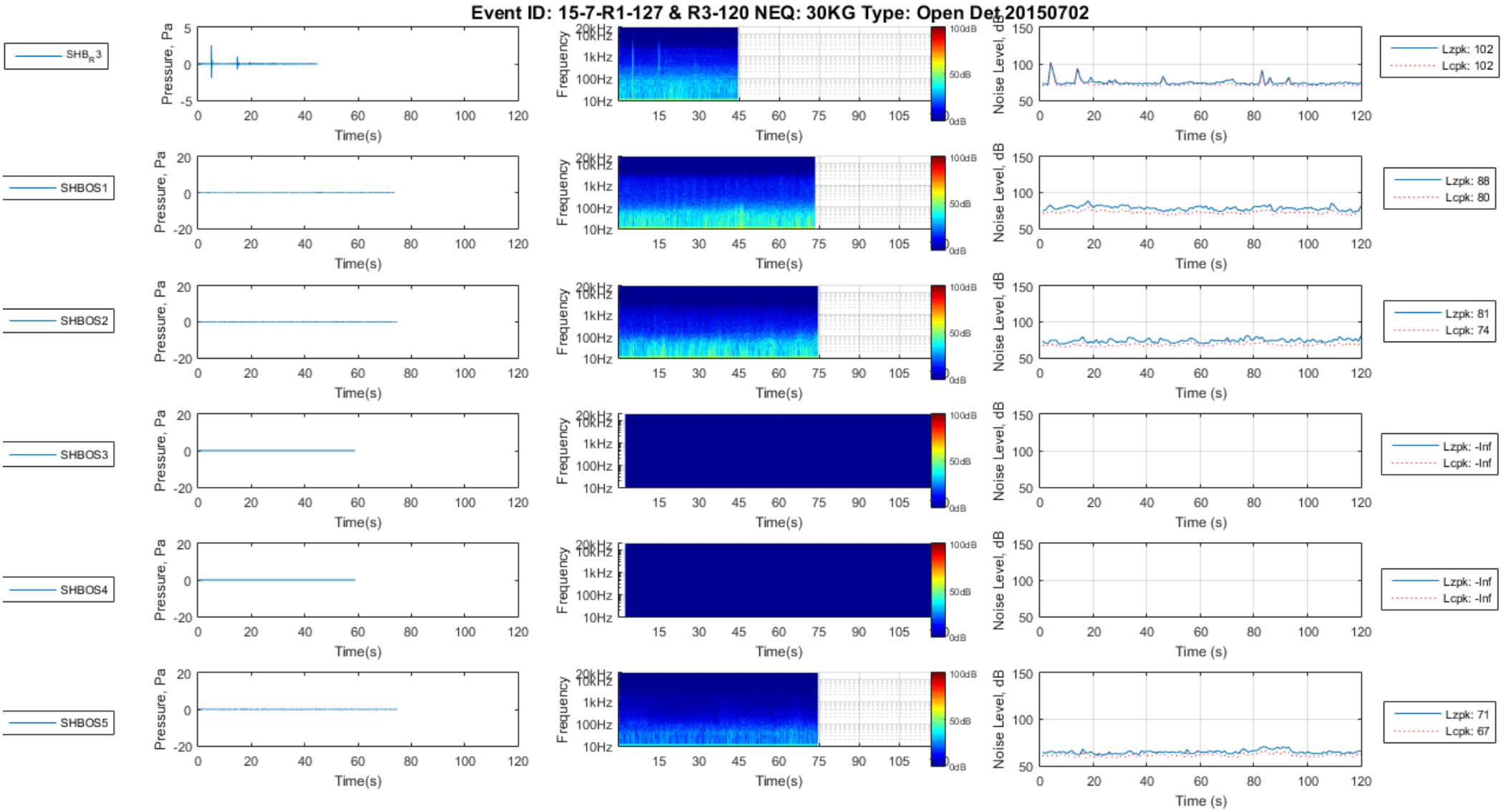
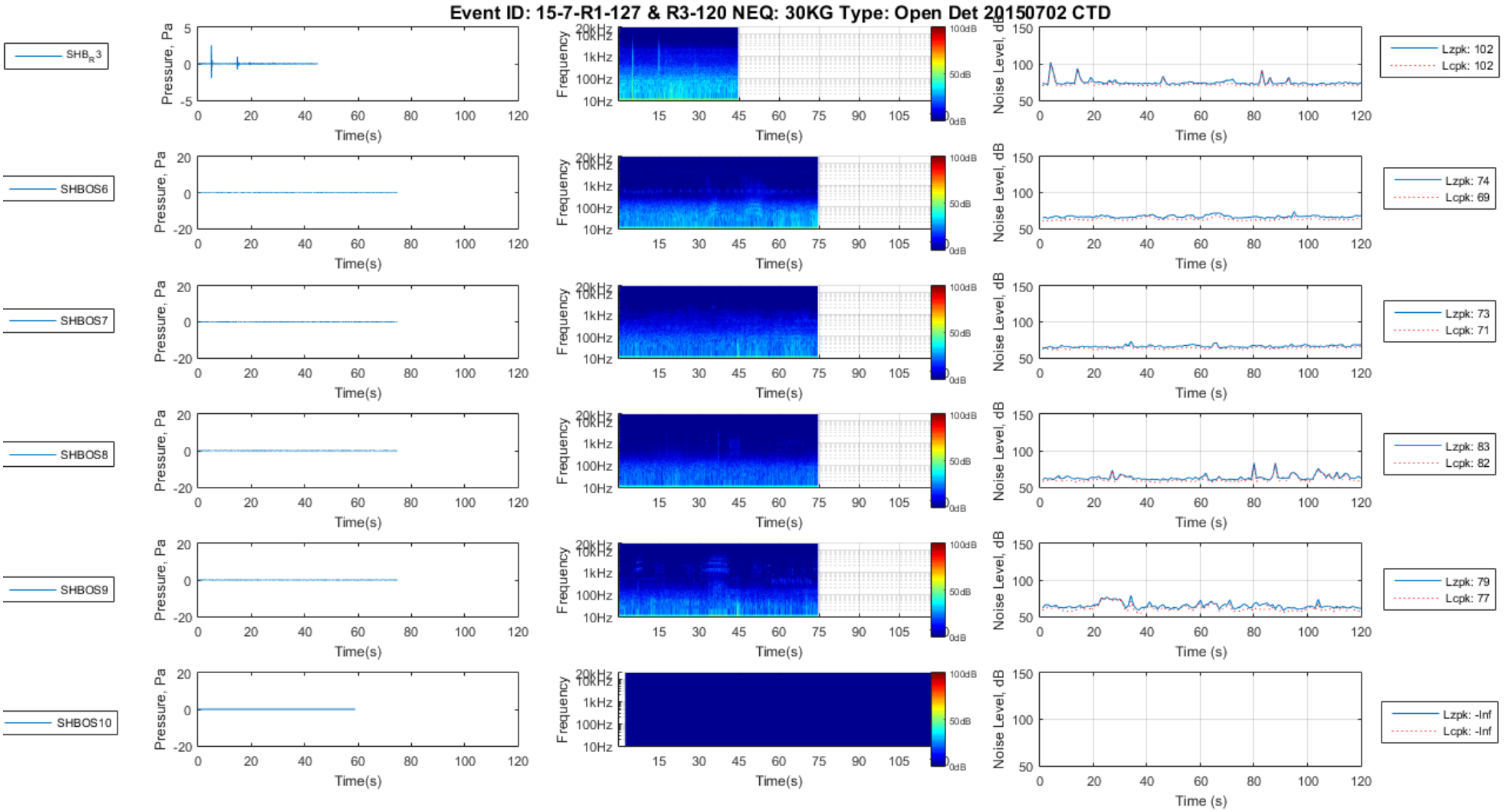


FIGURE 2.140: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-127 & R3-120


Event ID: 15-7-R1-127 & R3-120 NEQ: 30KG Type: Open Det 20150702
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 102
Lcpk: 102
Lzpk: 88
Lcpk: 80
Lzpk: 81
Lcpk: 74
Lzpk: -Inf
Lcpk: -Inf
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 71
Lcpk: 67


Event ID: 15-7-R1-127 & R3-120 NEQ: 30KG Type: Open Det 20150702 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Frequency
Noise Level, dB
Time(s)
Time (s)
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Lzpk: 102
Lcpk: 102
Lzpk: 74
Lcpk: 69
Lzpk: 73
Lcpk: 71
Lzpk: 83
Lcpk: 82
Lzpk: 79
Lcpk: 77
Lzpk: -Inf
Lcpk: -Inf

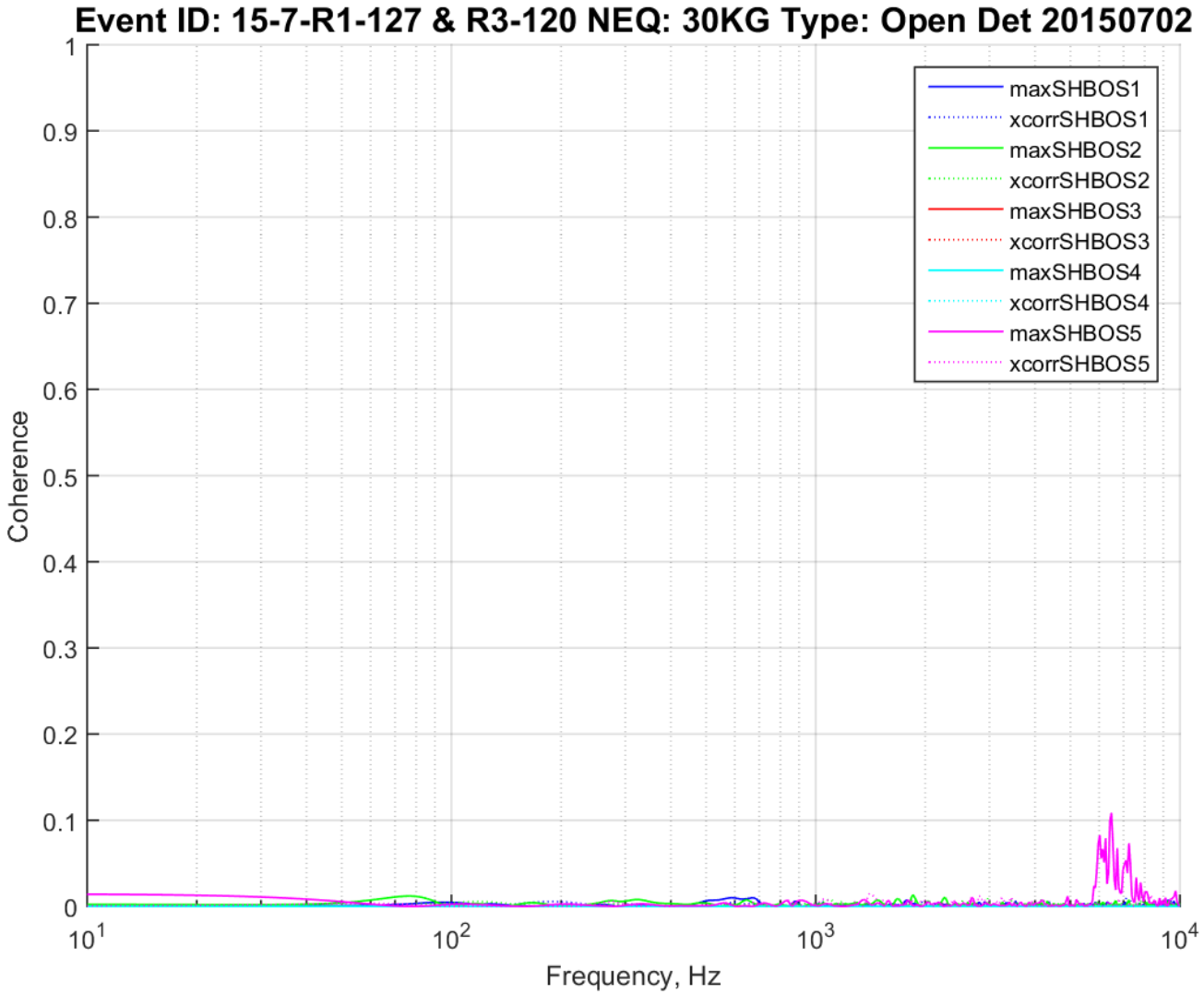


FIGURE 2.143: COHERENCE SHB_OS 1 - 5 15-7-R1-127 & R3-120

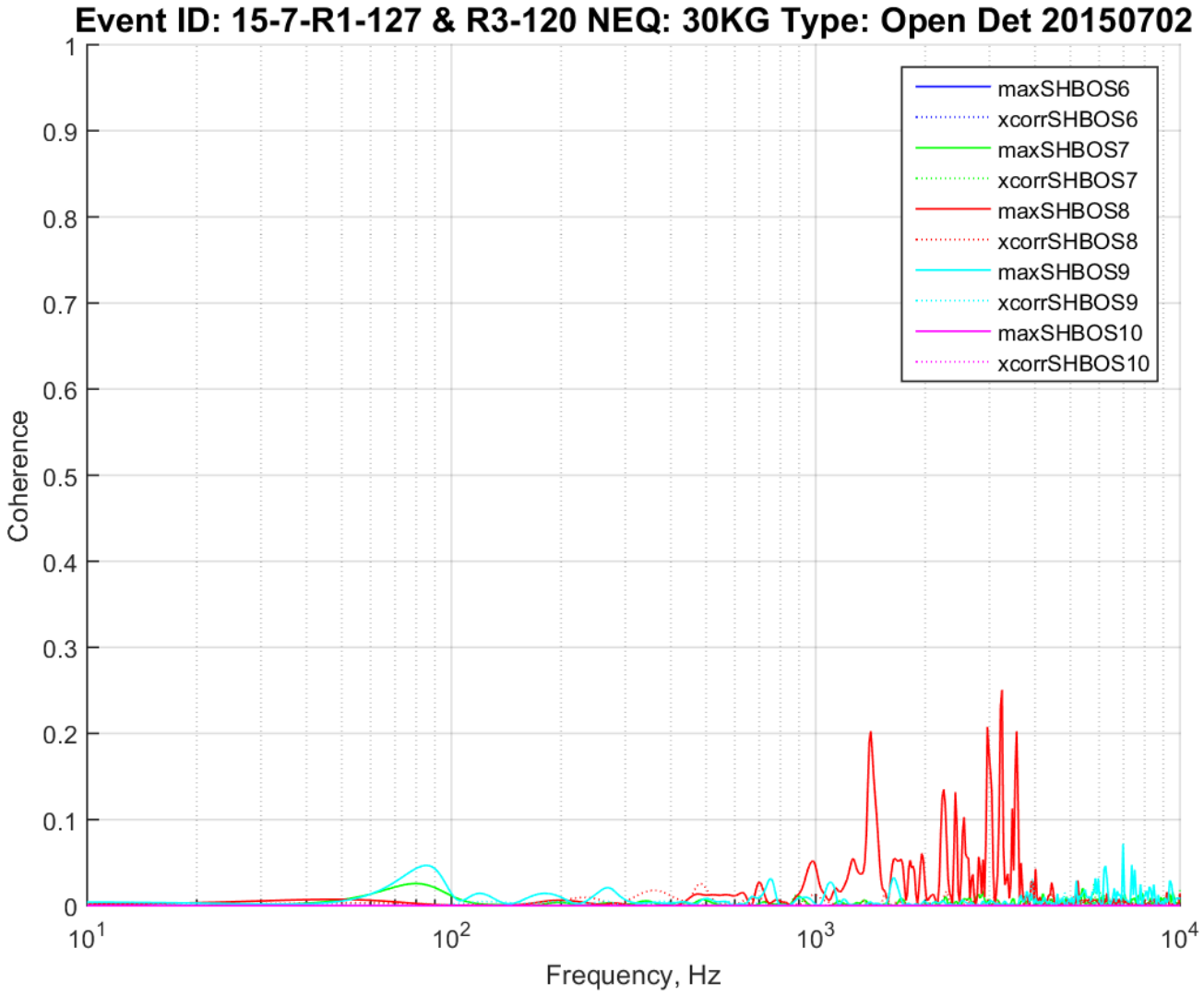


FIGURE 2.144: COHERENCE SHB_OS 6 - 10 15-7-R1-127 & R3-120CTD

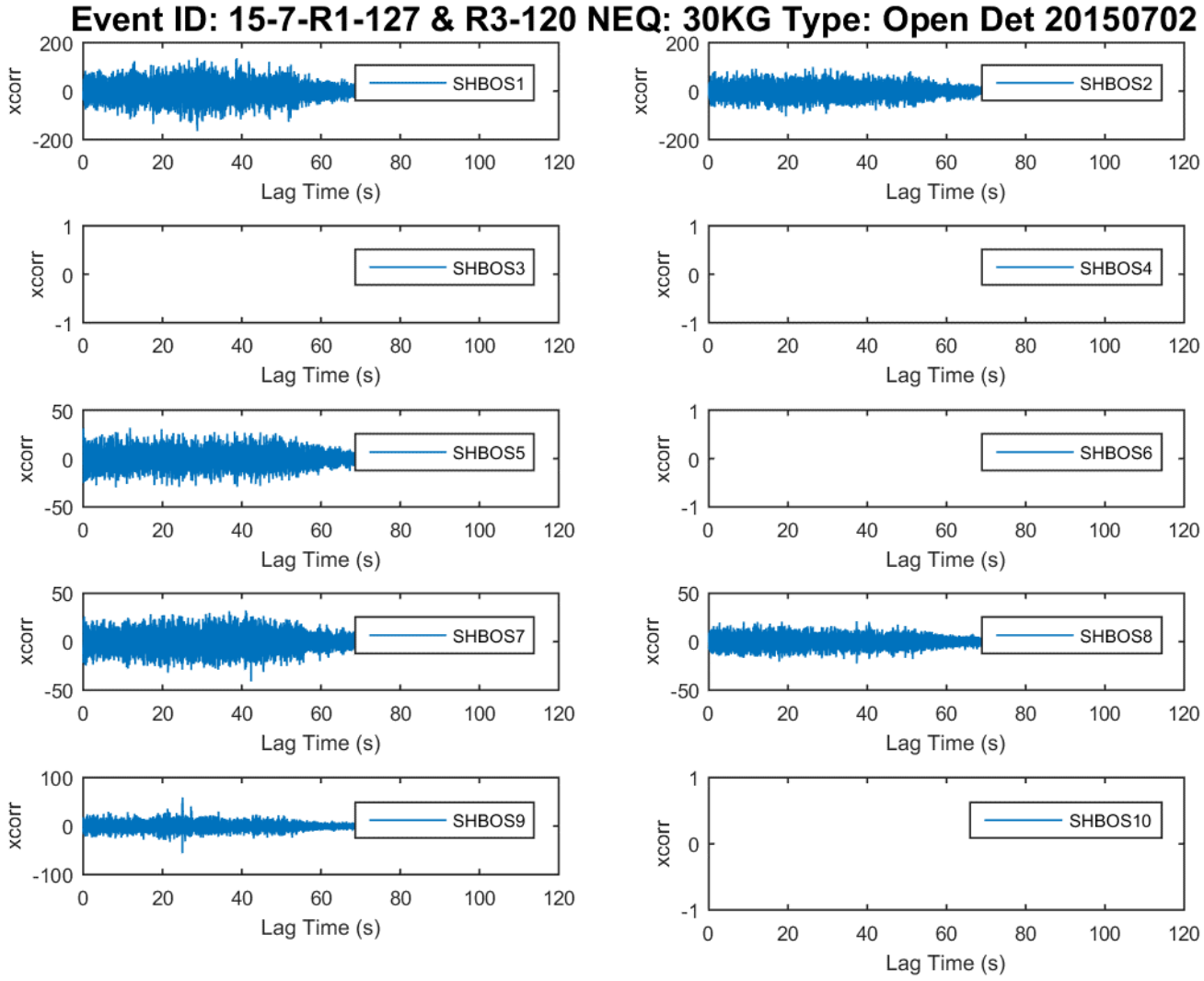


FIGURE 2.145: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-127 & R3-120

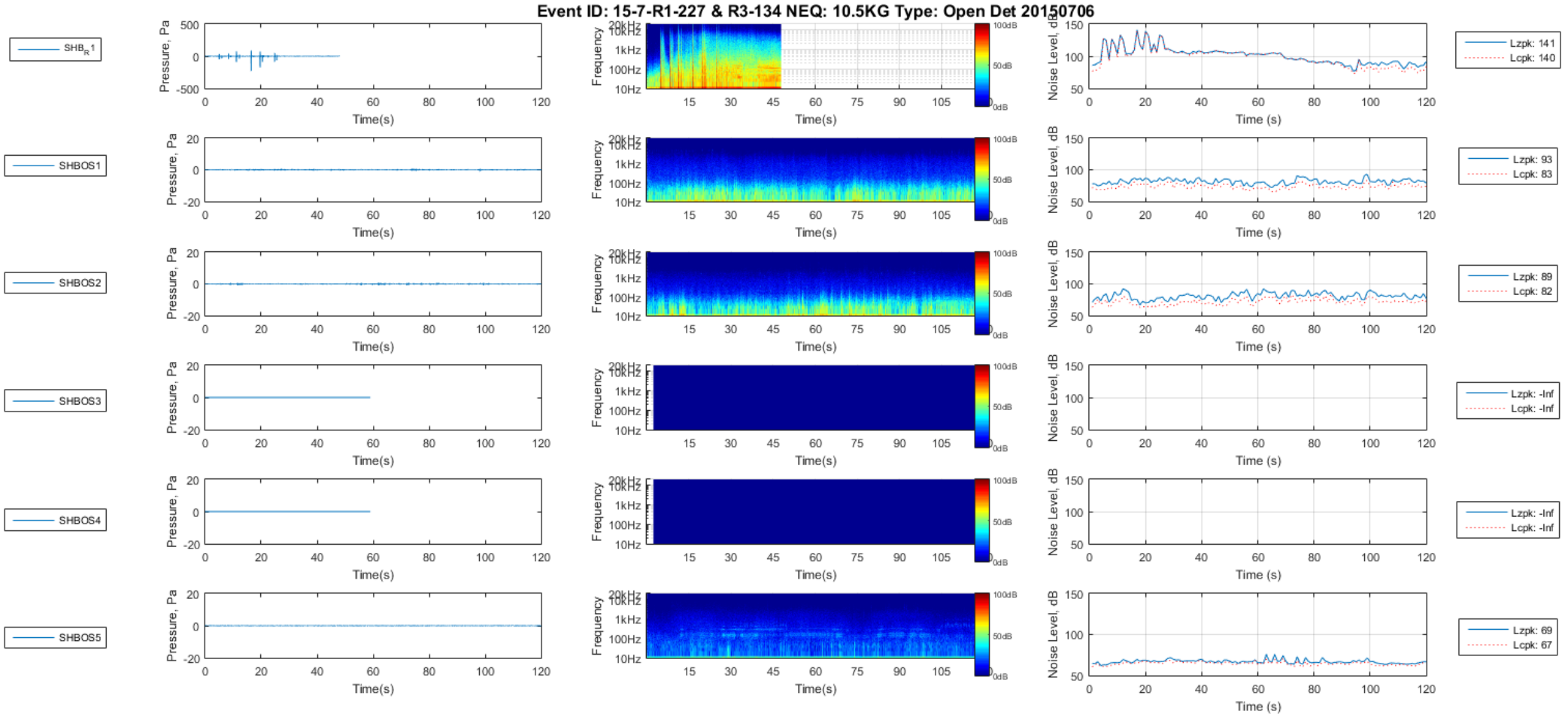


FIGURE 2.146: SHB_OS 1 - 5 15-7-R1-227 & R3-134

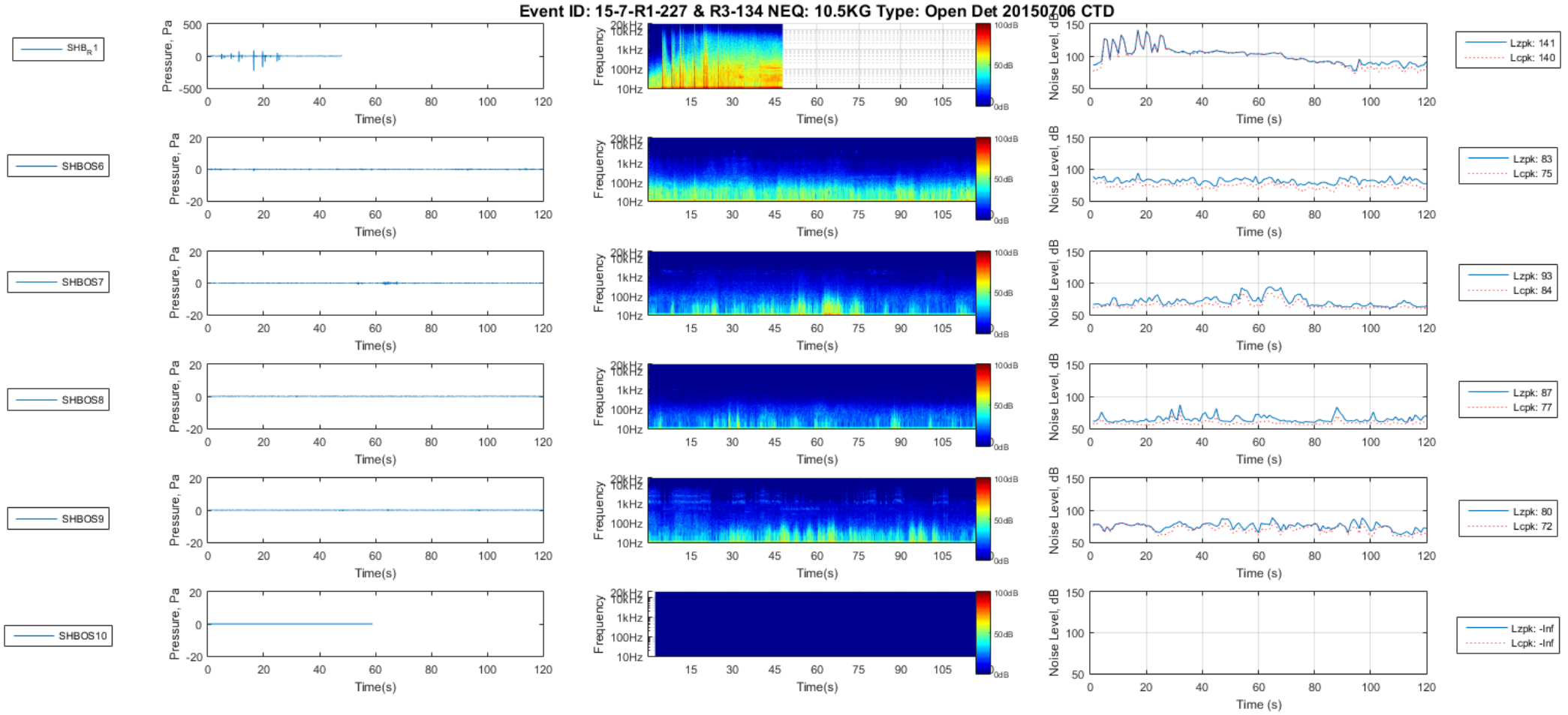


FIGURE 2.147: SHB_OS 6 - 10 15-7-R1-227 & R3-134

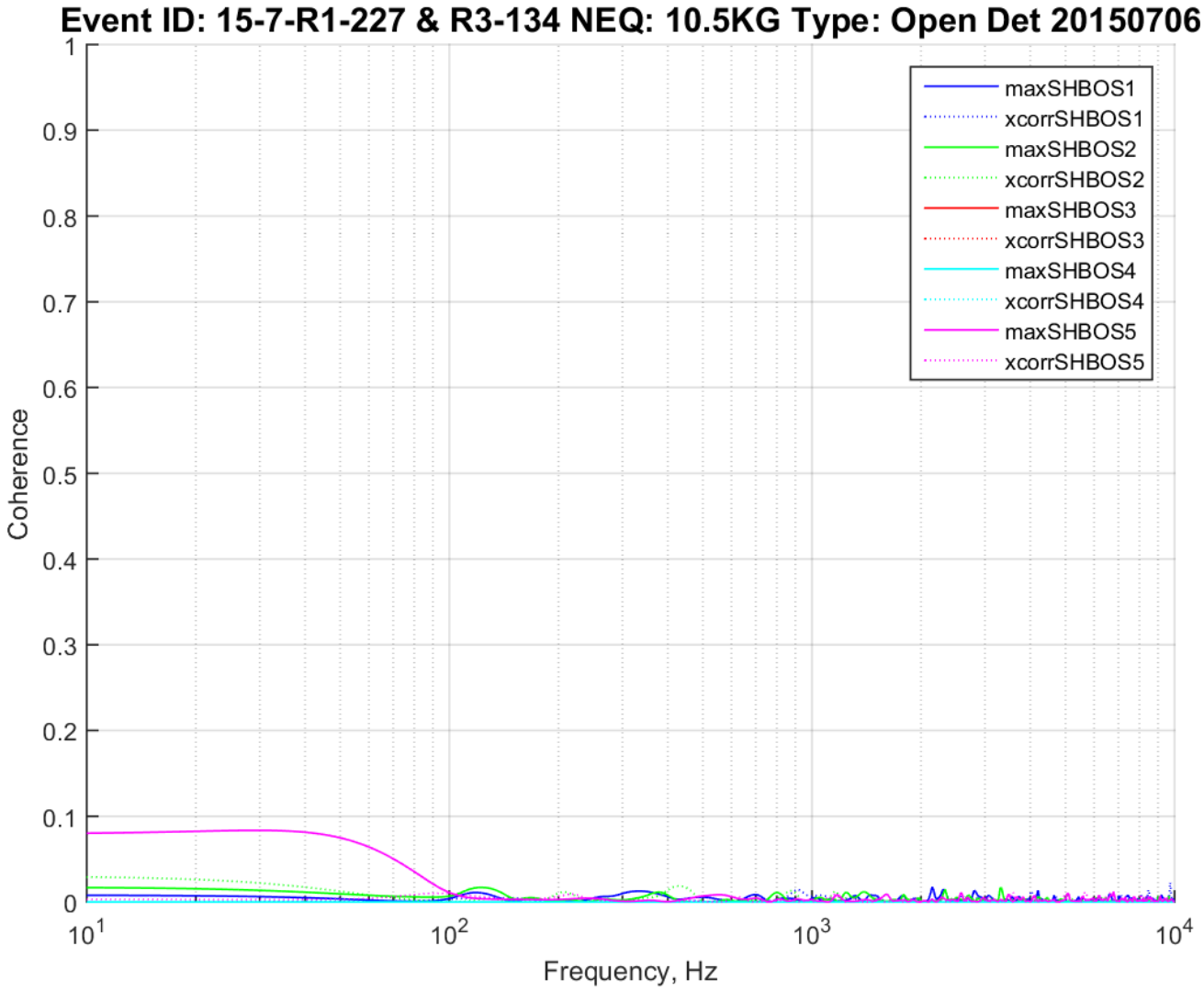


FIGURE 2.148: COHERENCE SHB_OS 1 - 5 15-7-R1-227 & R3-134

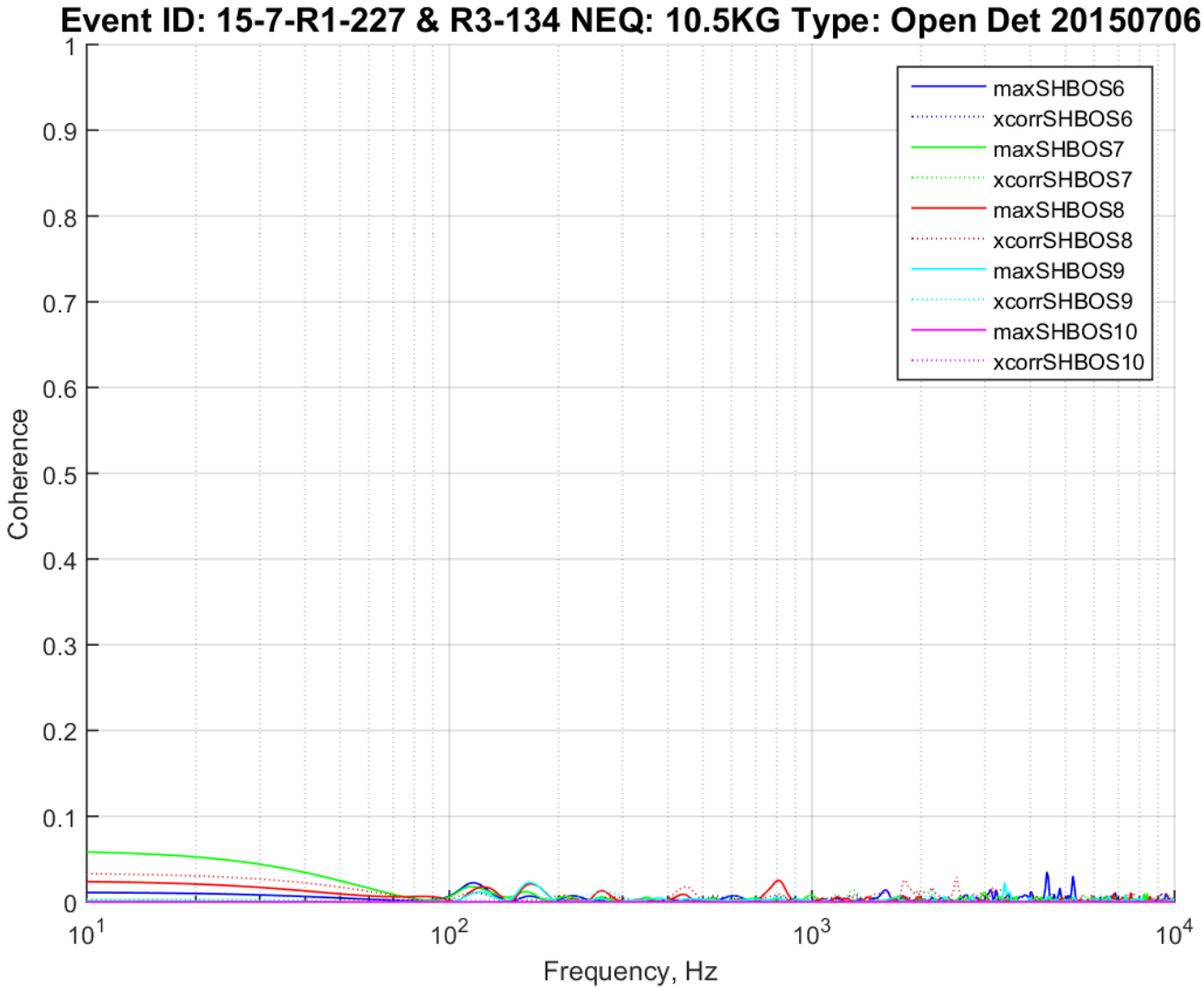


FIGURE 2.149: COHERENCE SHB_OS 6 - 10 15-7-R1-227 & R3-134CTD

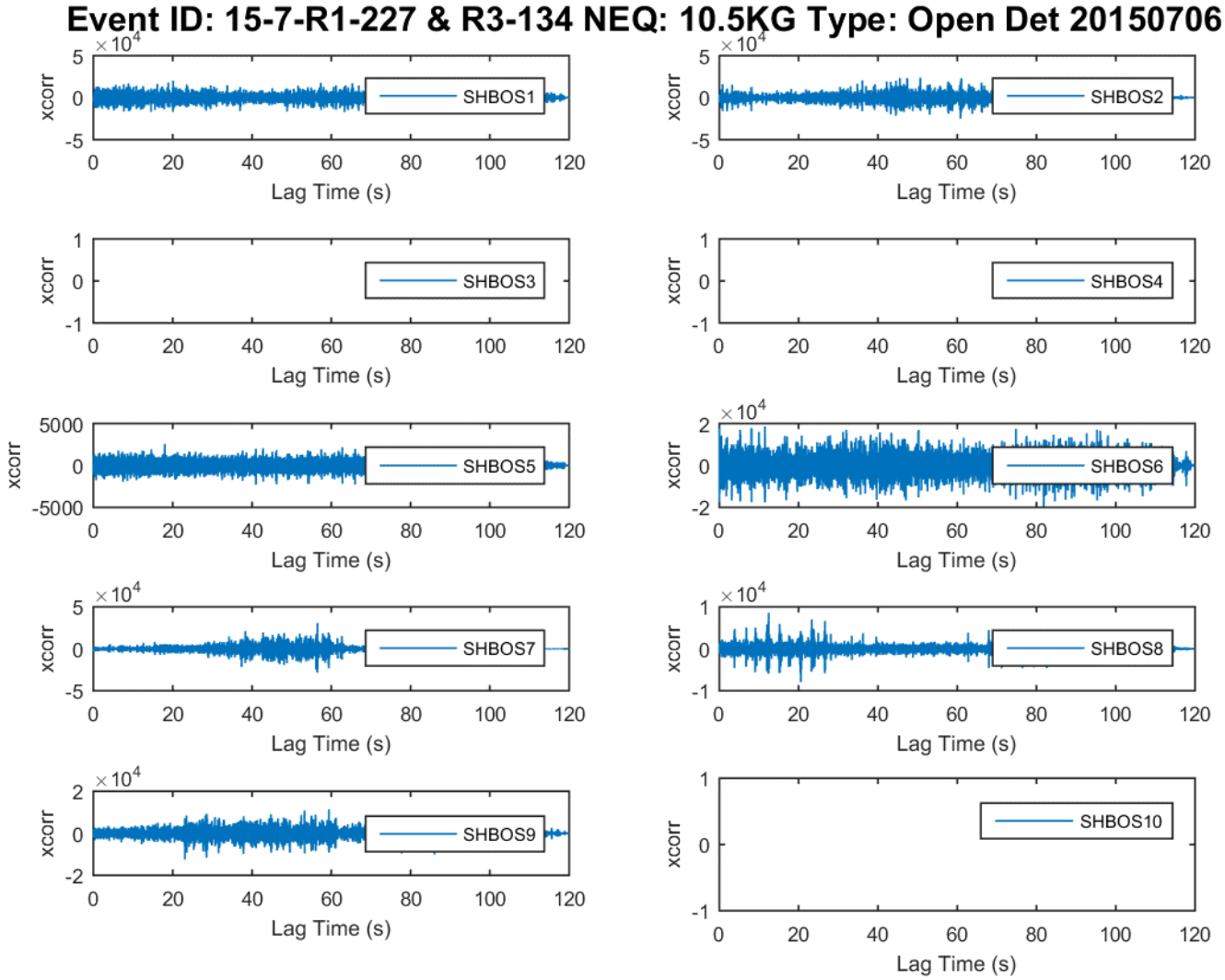
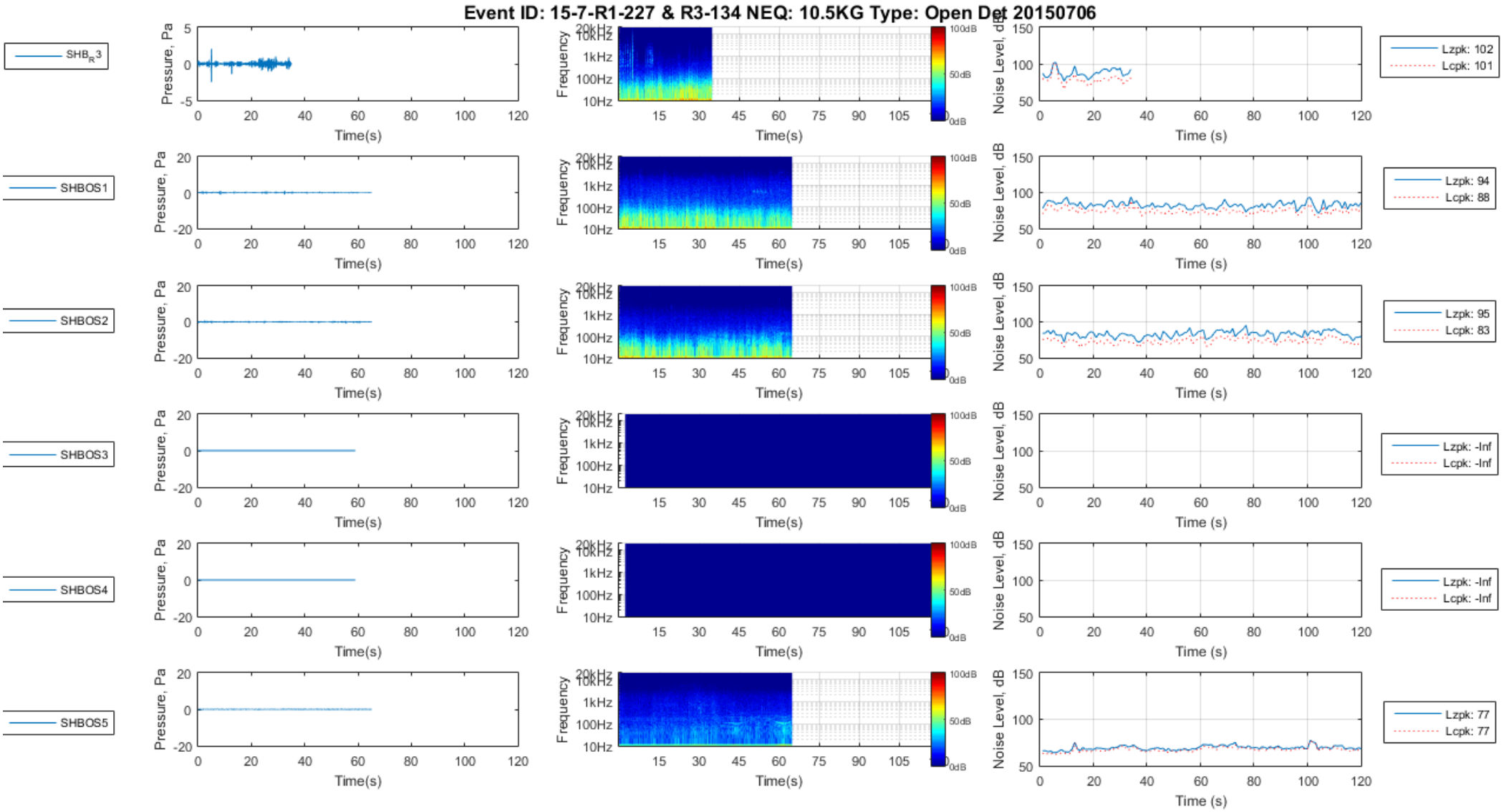
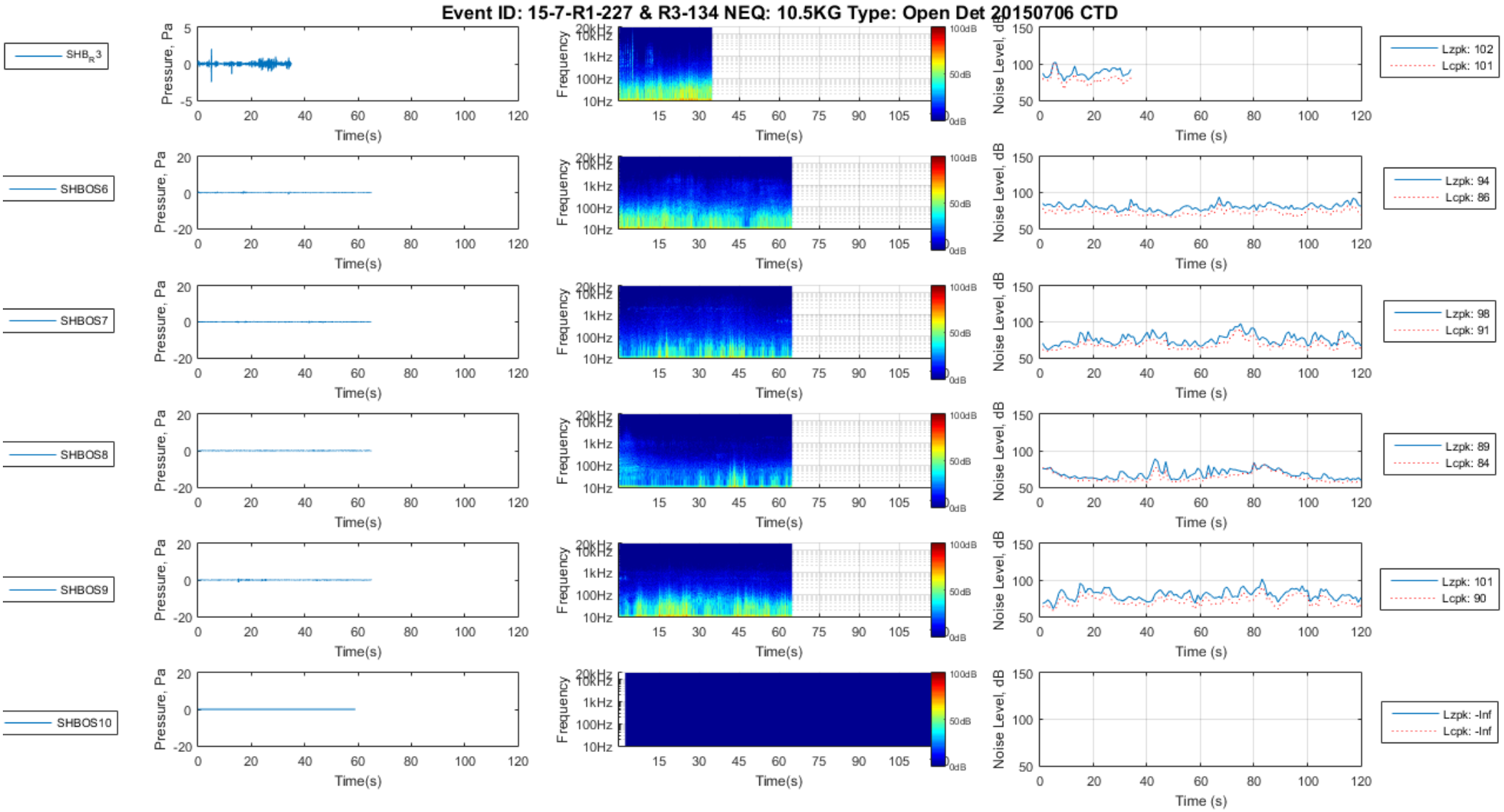


FIGURE 2.150: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-227 & R3-134


Event ID: 15-7-R1-227 & R3-134 NEQ: 10.5KG Type: Open Det 20150706
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 102
Lcpk: 101
Lzpk: 94
Lcpk: 88
Lzpk: 95
Lcpk: 83
Lzpk: -Inf
Lcpk: -Inf
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 77
Lcpk: 77


Event ID: 15-7-R1-227 & R3-134 NEQ: 10.5KG Type: Open Det 20150706 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 102
Lcpk: 101
Lzpk: 94
Lcpk: 86
Lzpk: 98
Lcpk: 91
Lzpk: 89
Lcpk: 84
Lzpk: 101
Lcpk: 90
Lzpk: -Inf
Lcpk: -Inf

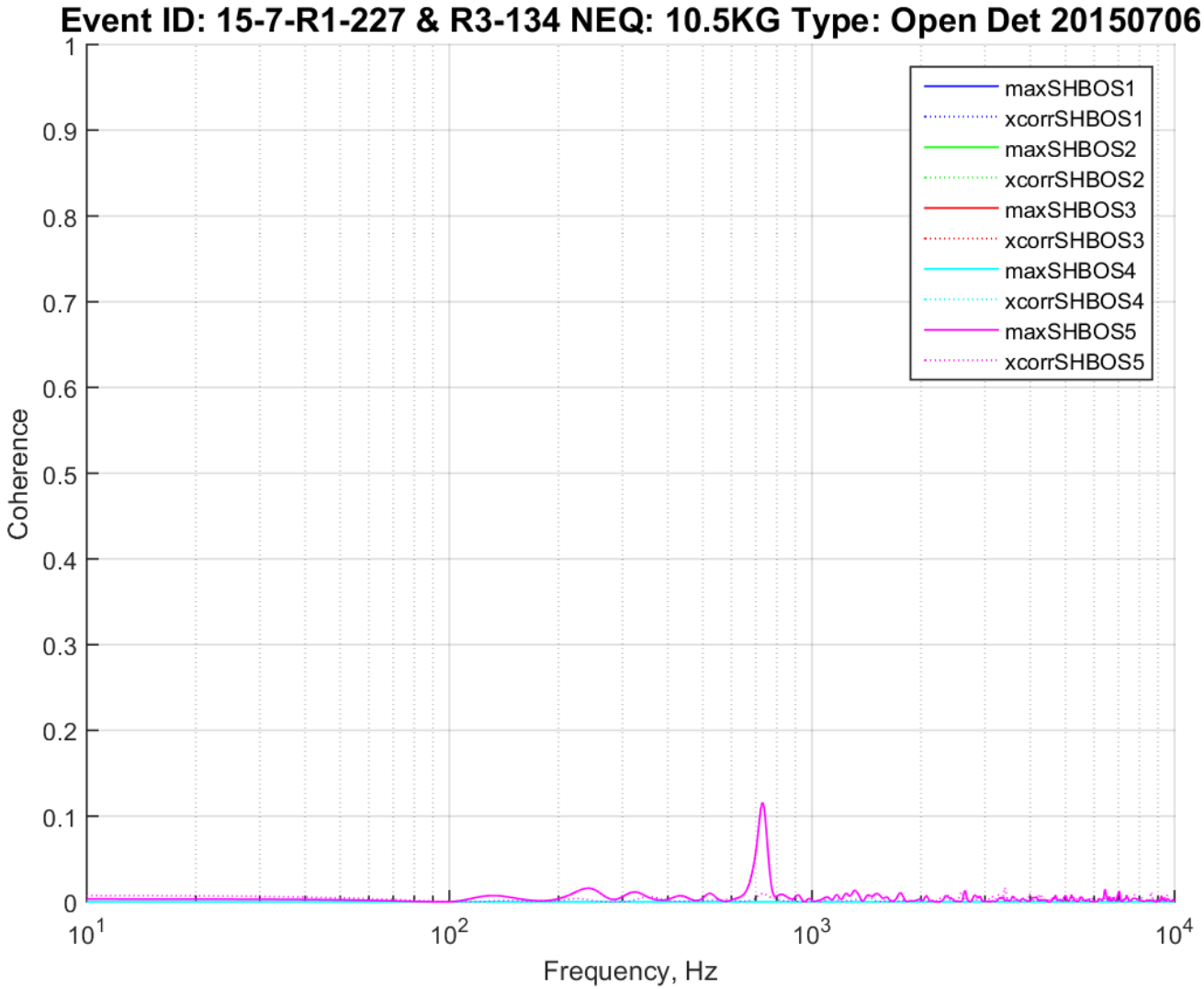


FIGURE 2.153: COHERENCE SHB_OS 1 - 5 15-7-R1-227 & R3-134

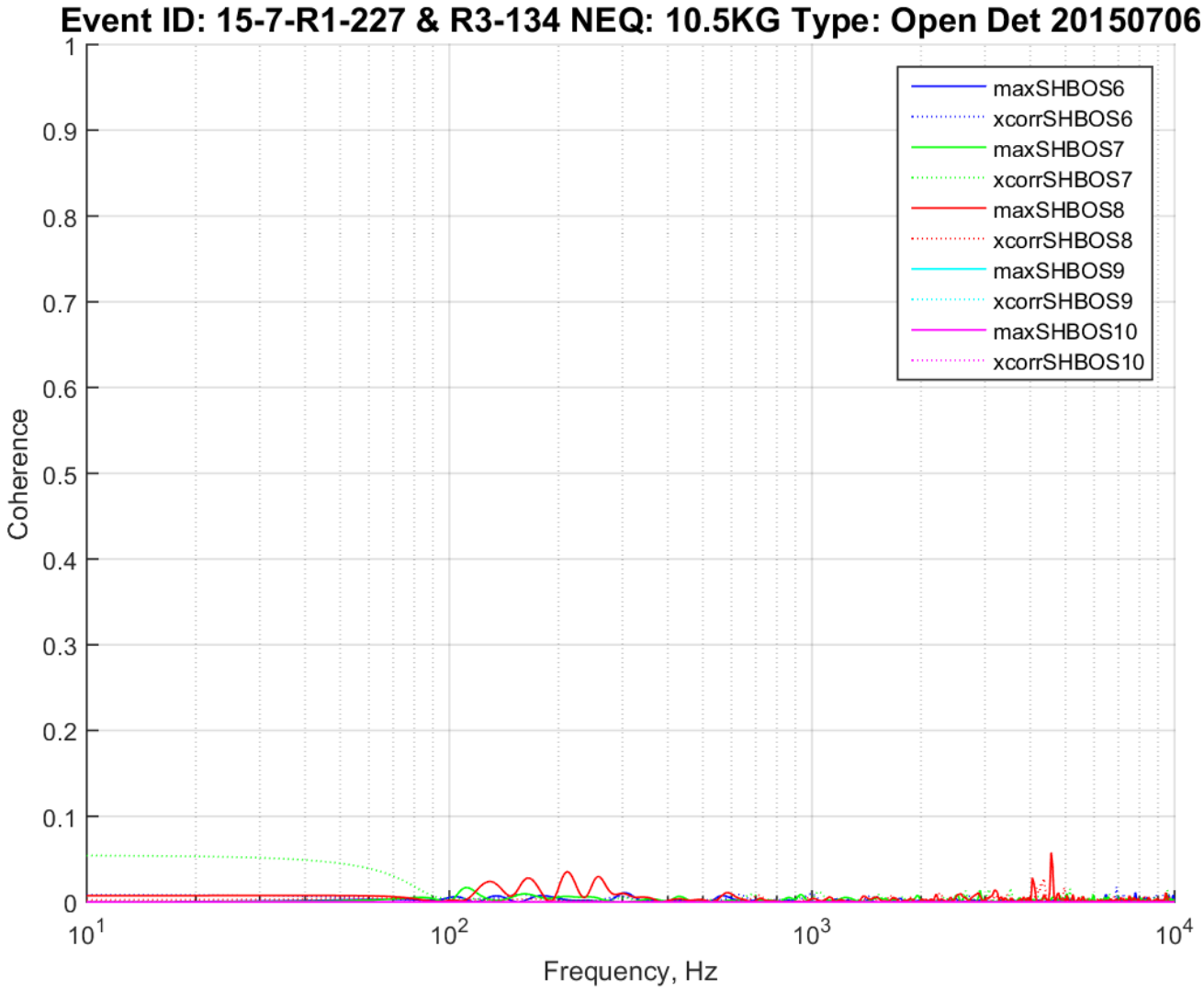


FIGURE 2.154: COHERENCE SHB_OS 6 - 10 15-7-R1-227 & R3-134CTD

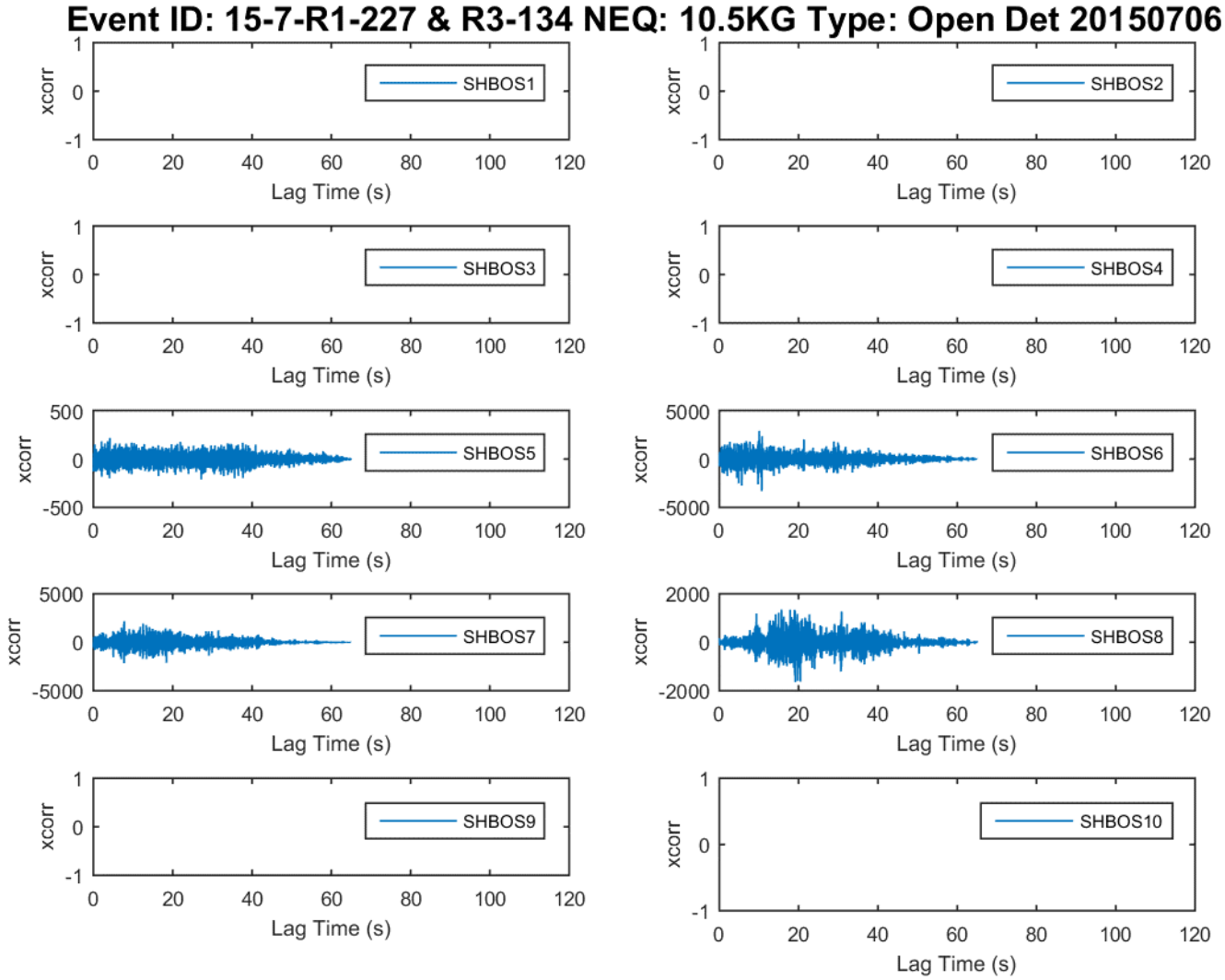


FIGURE 2.155: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-227 & R3-134

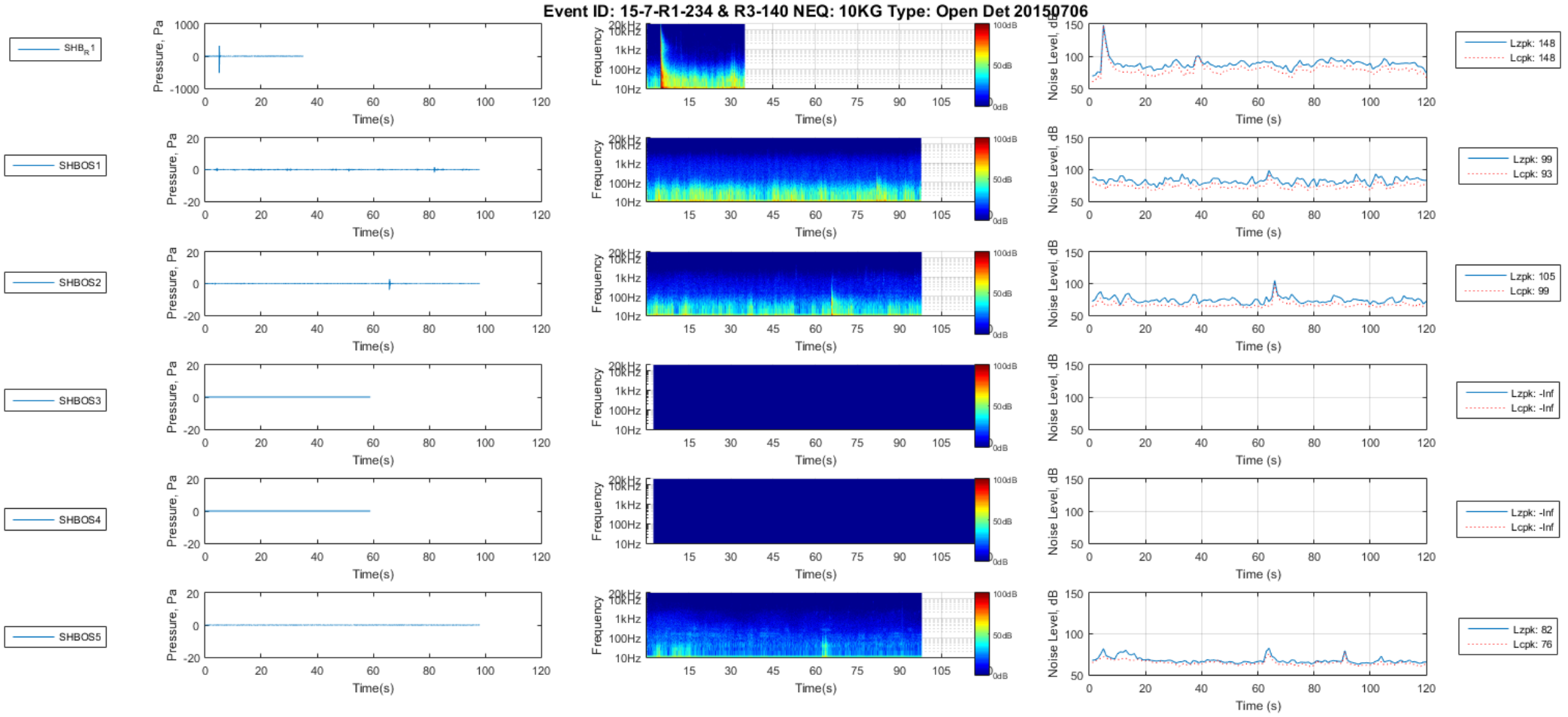


FIGURE 2.156: SHB_OS 1 - 5 15-7-R1-234 & R3-140

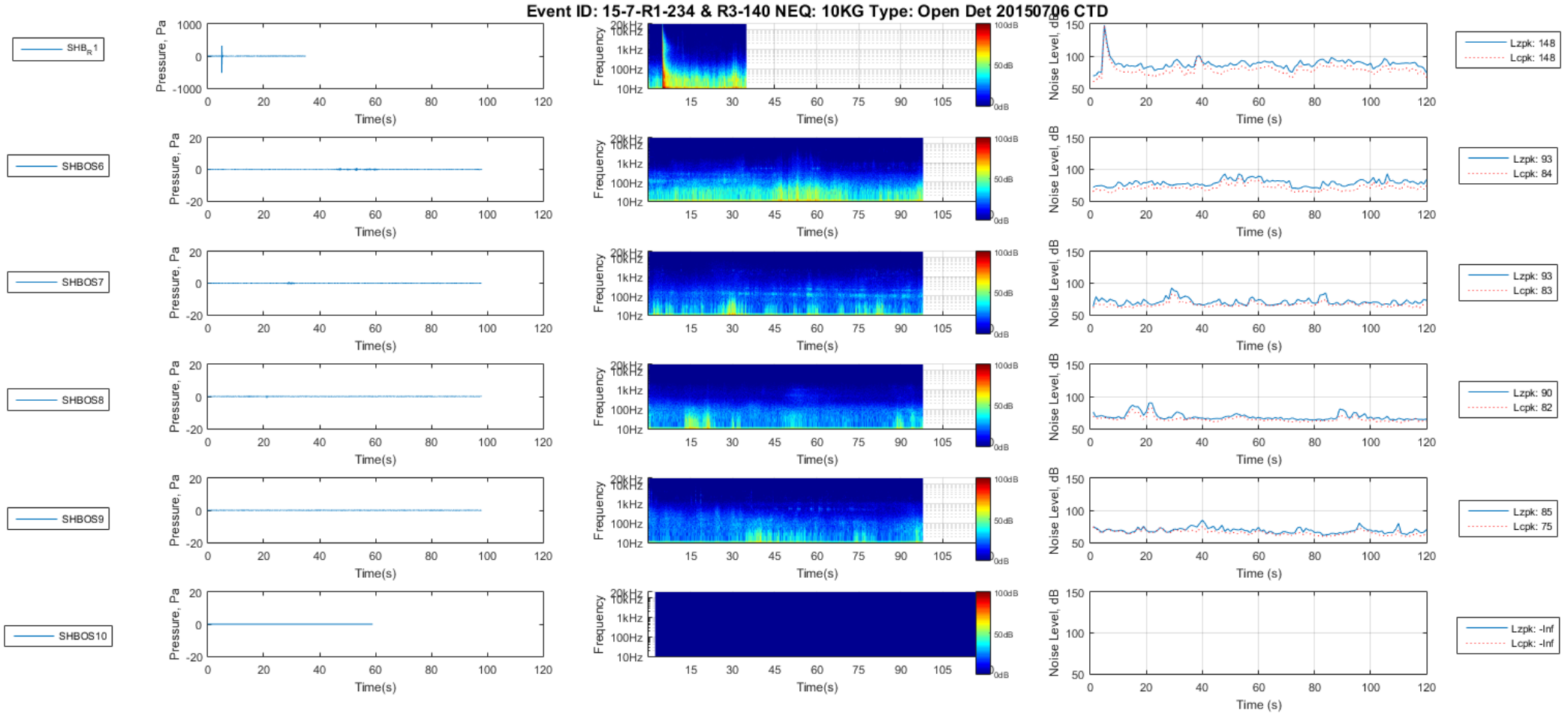


FIGURE 2.157: SHB_OS 6 - 10 15-7-R1-234 & R3-140

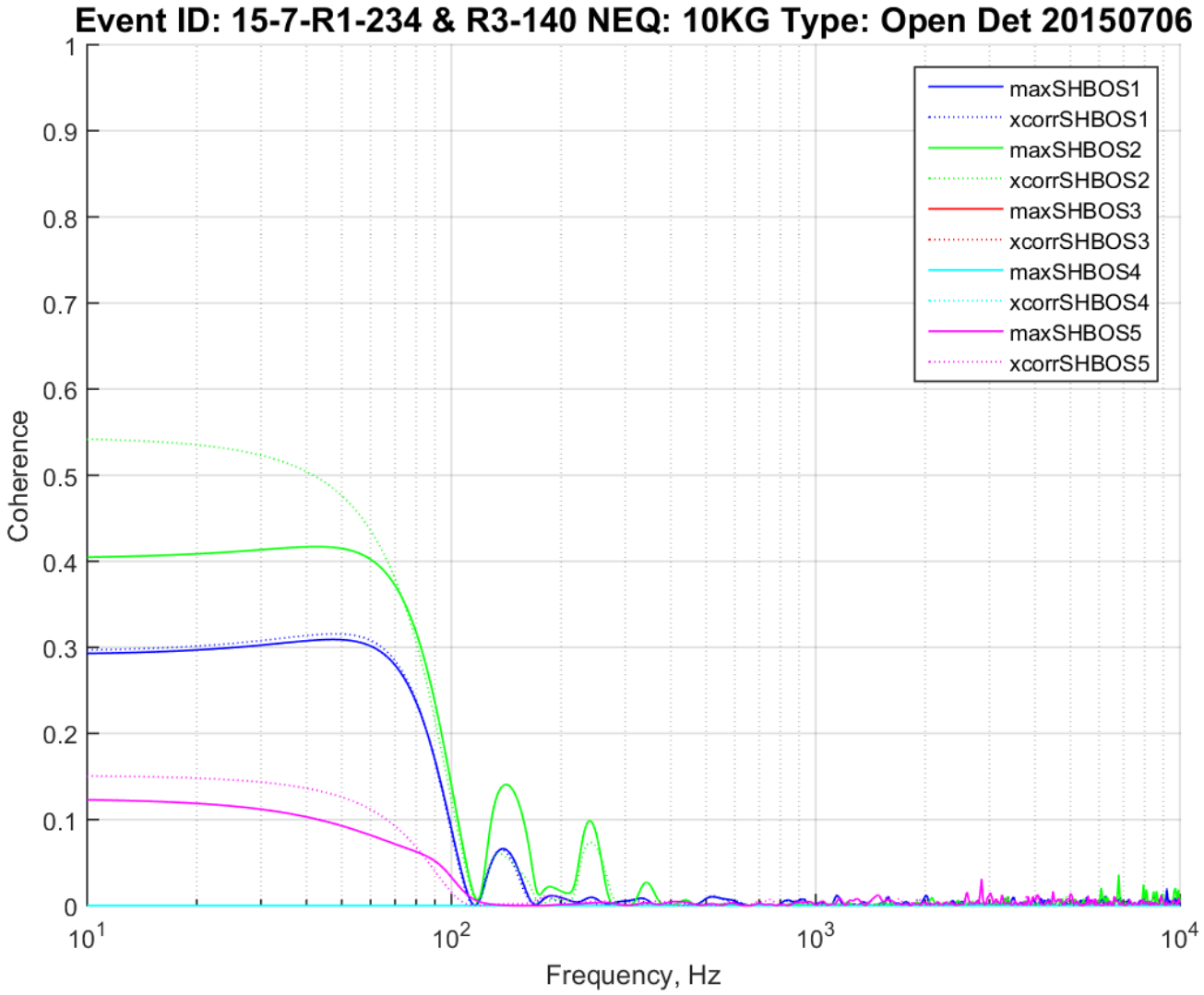


FIGURE 2.158: COHERENCE SHB_OS 1 - 5 15-7-R1-234 & R3-140

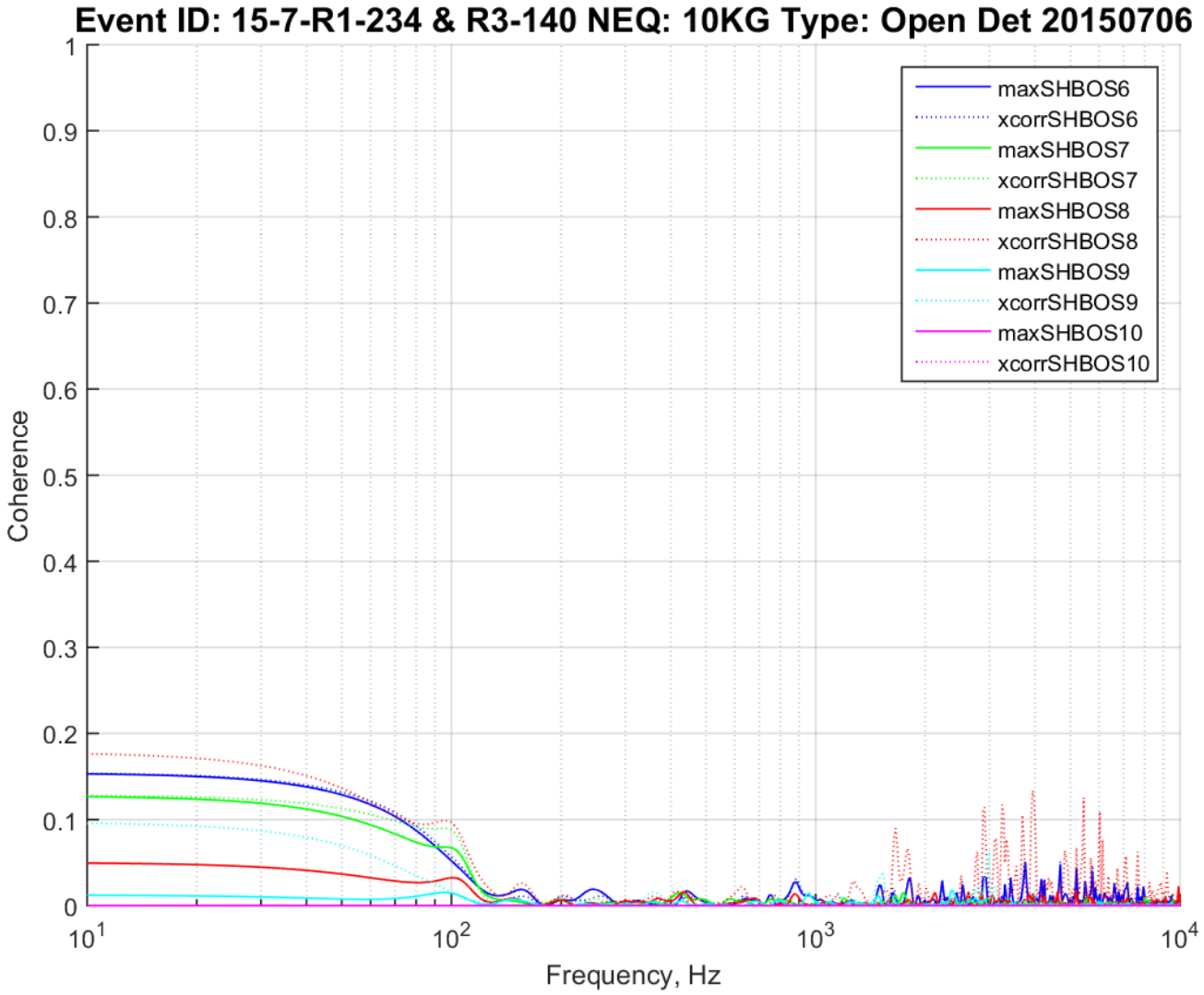


FIGURE 2.159: COHERENCE SHB_OS 6 - 10 15-7-R1-234 & R3-140CTD

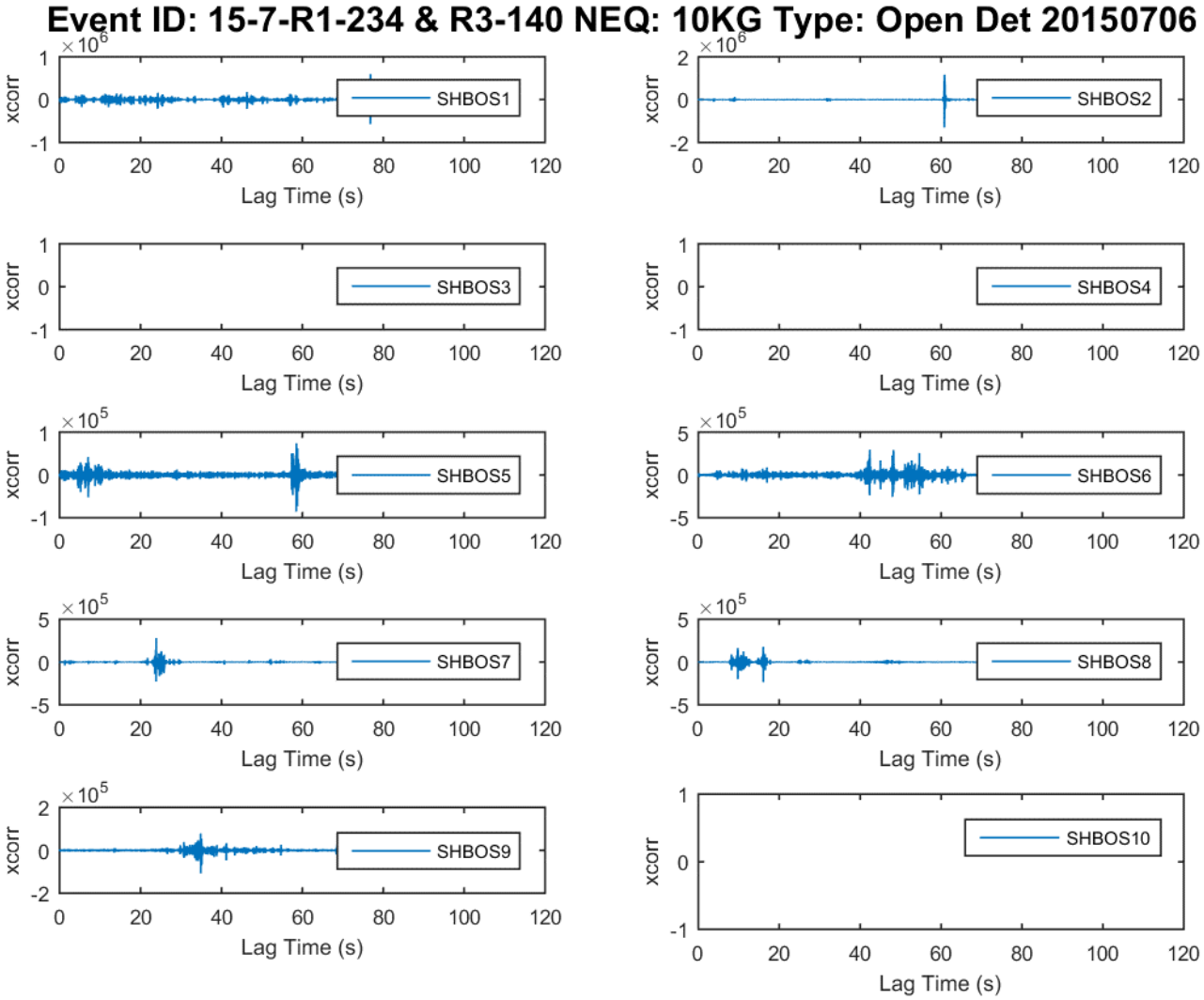
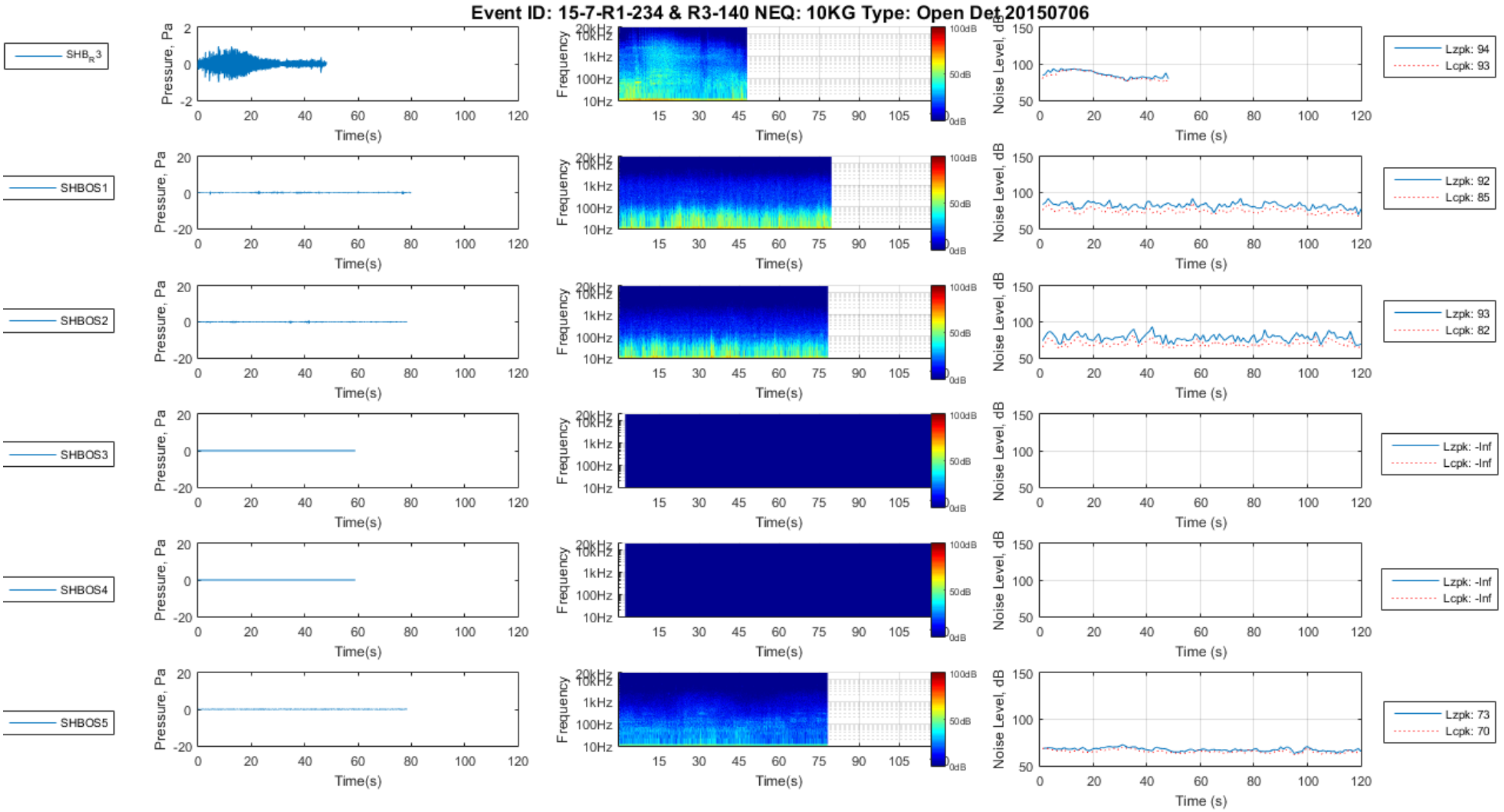
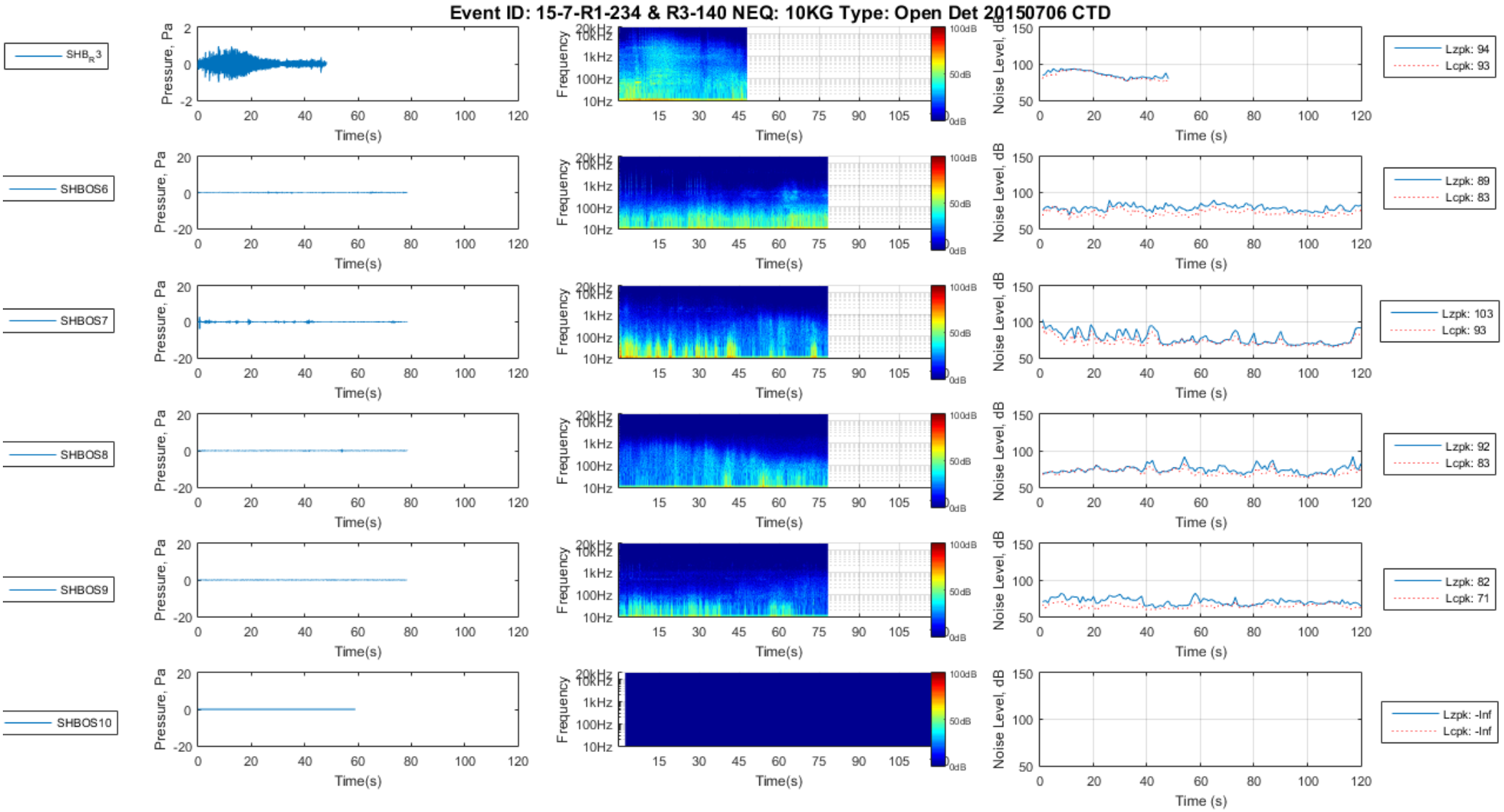


FIGURE 2.160: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-234 & R3-140


Event ID: 15-7-R1-234 & R3-140 NEQ: 10KG Type: Open Det 20150706
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 94
Lcpk: 93
Lzpk: 92
Lcpk: 85
Lzpk: 93
Lcpk: 82
Lzpk: -Inf
Lcpk: -Inf
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 73
Lcpk: 70


Event ID: 15-7-R1-234 & R3-140 NEQ: 10KG Type: Open Det 20150706 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 94
Lcpk: 93
Lzpk: 89
Lcpk: 83
Lzpk: 103
Lcpk: 93
Lzpk: 92
Lcpk: 83
Lzpk: 82
Lcpk: 71
Lzpk: -Inf
Lcpk: -Inf

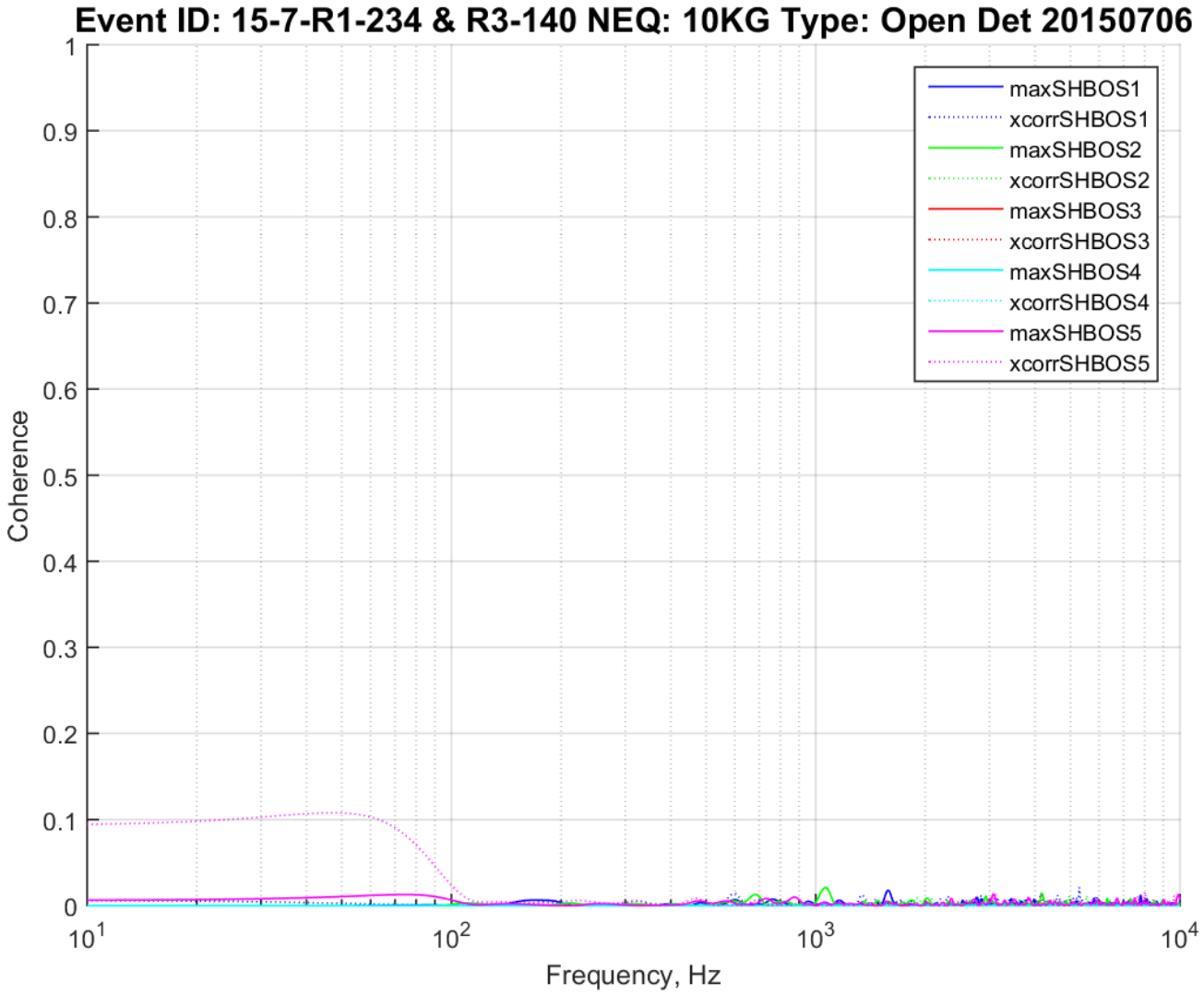


FIGURE 2.163: COHERENCE SHB_OS 1 - 5 15-7-R1-234 & R3-140

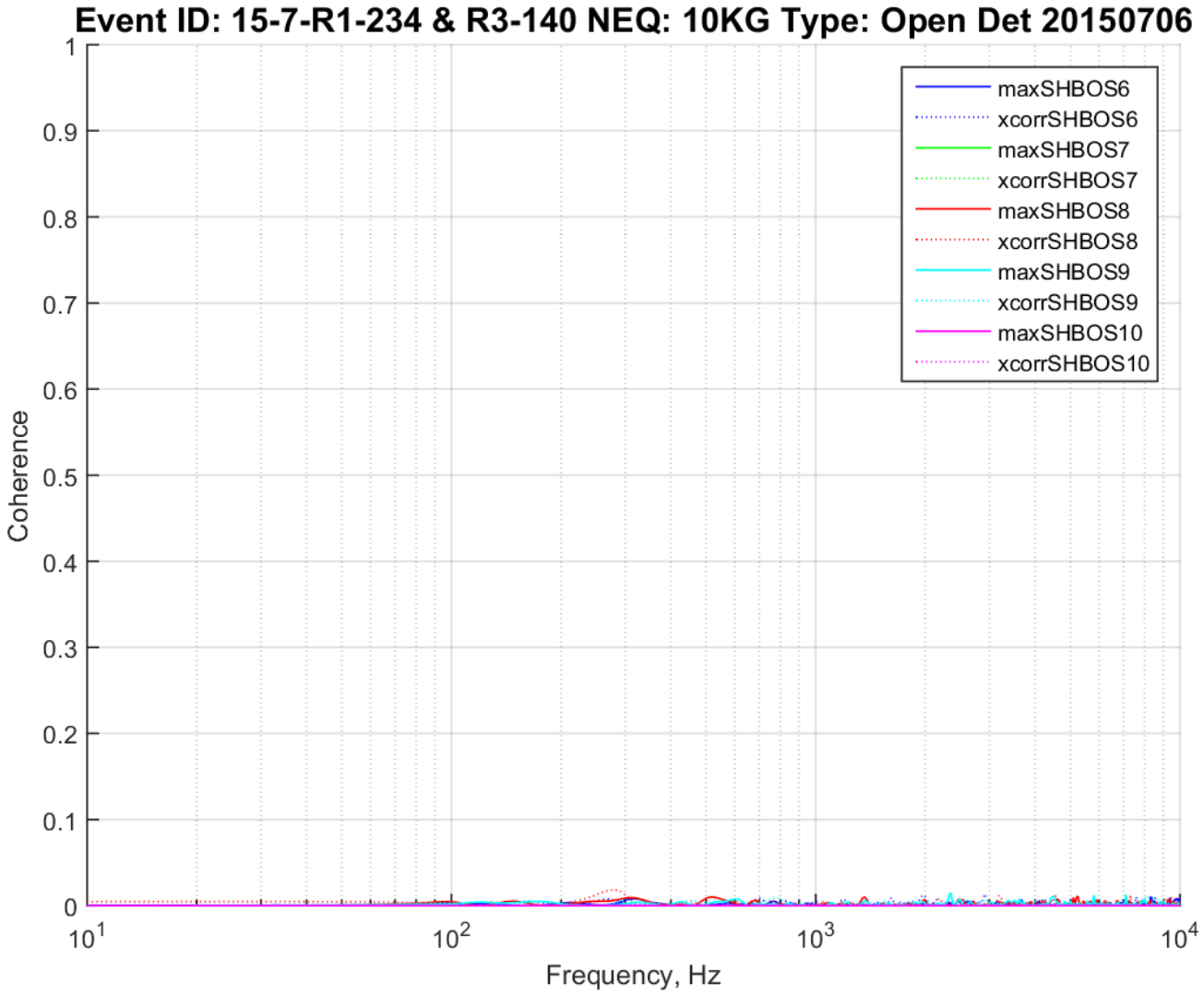


FIGURE 2.164: COHERENCE SHB_OS 6 - 10 15-7-R1-234 & R3-140CTD

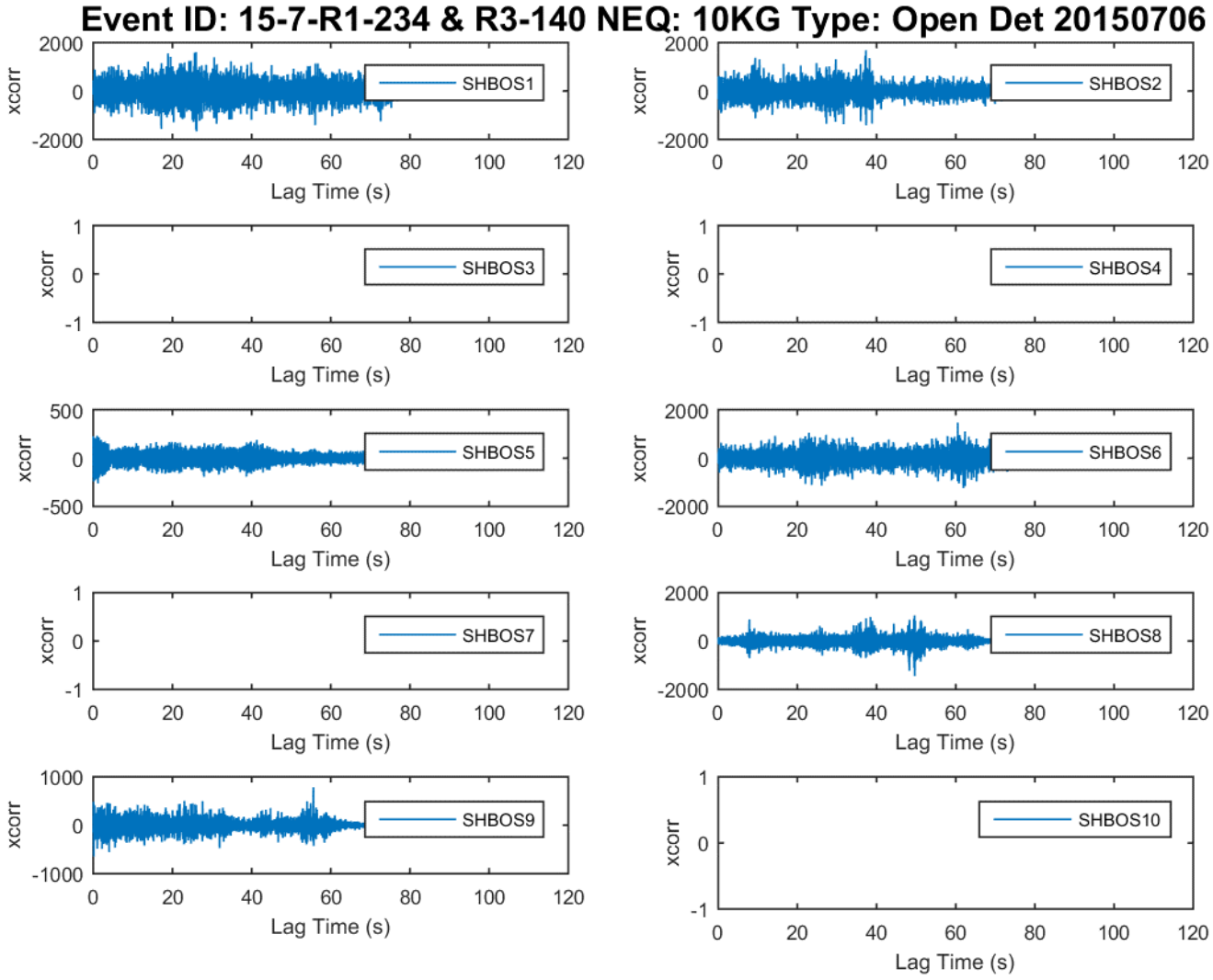


FIGURE 2.165: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-234 & R3-140

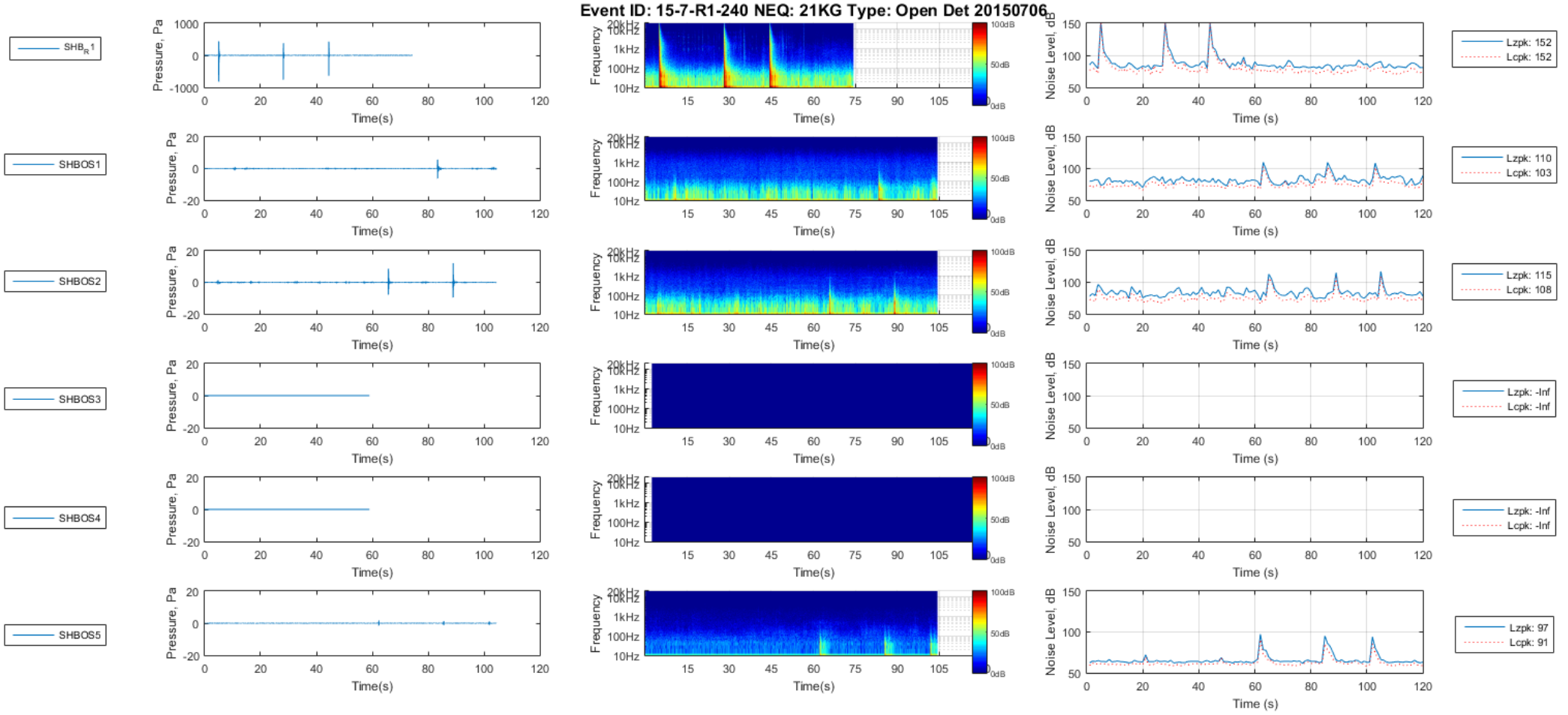


FIGURE 2.166: SHB_OS 1 - 5 15-7-R1-240

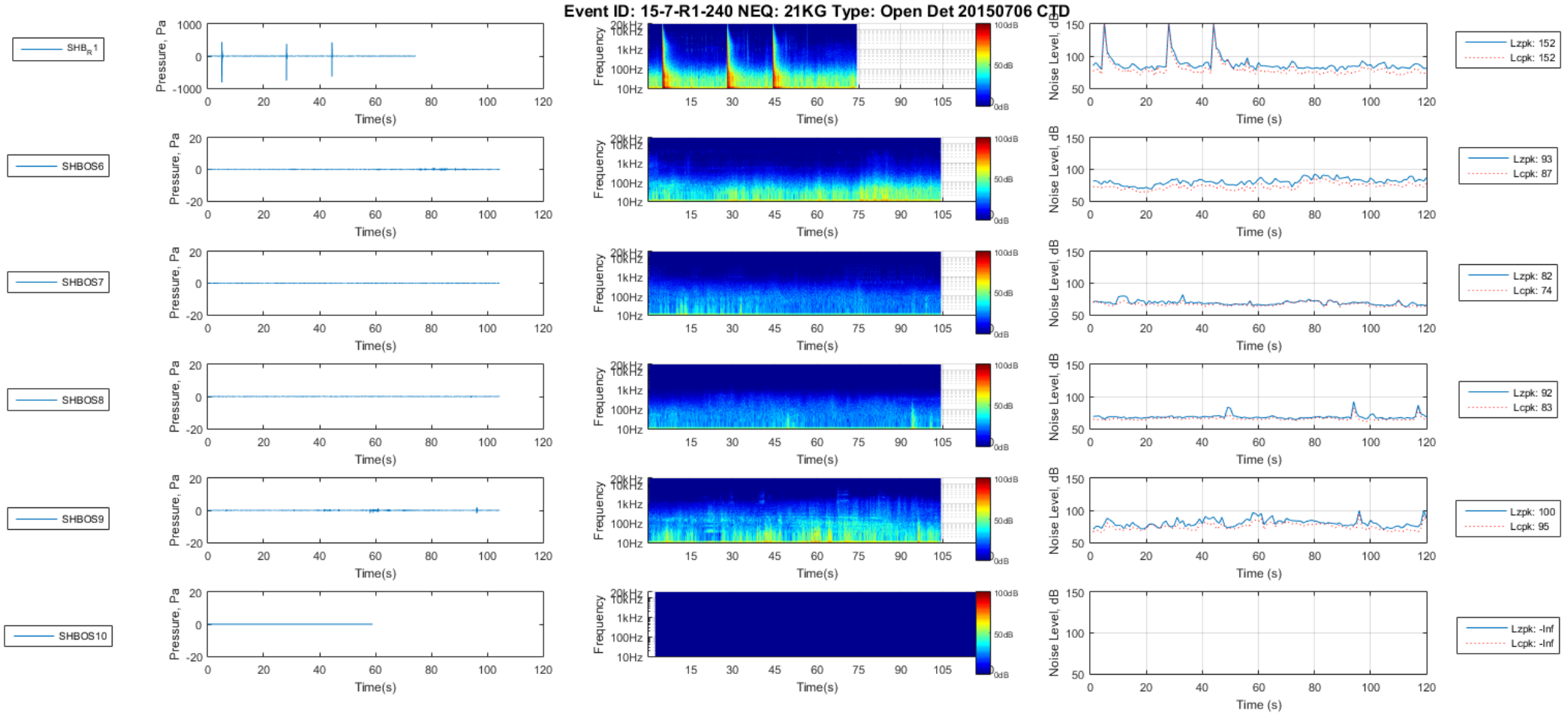


FIGURE 2.167: SHB_OS 6 - 10 15-7-R1-240

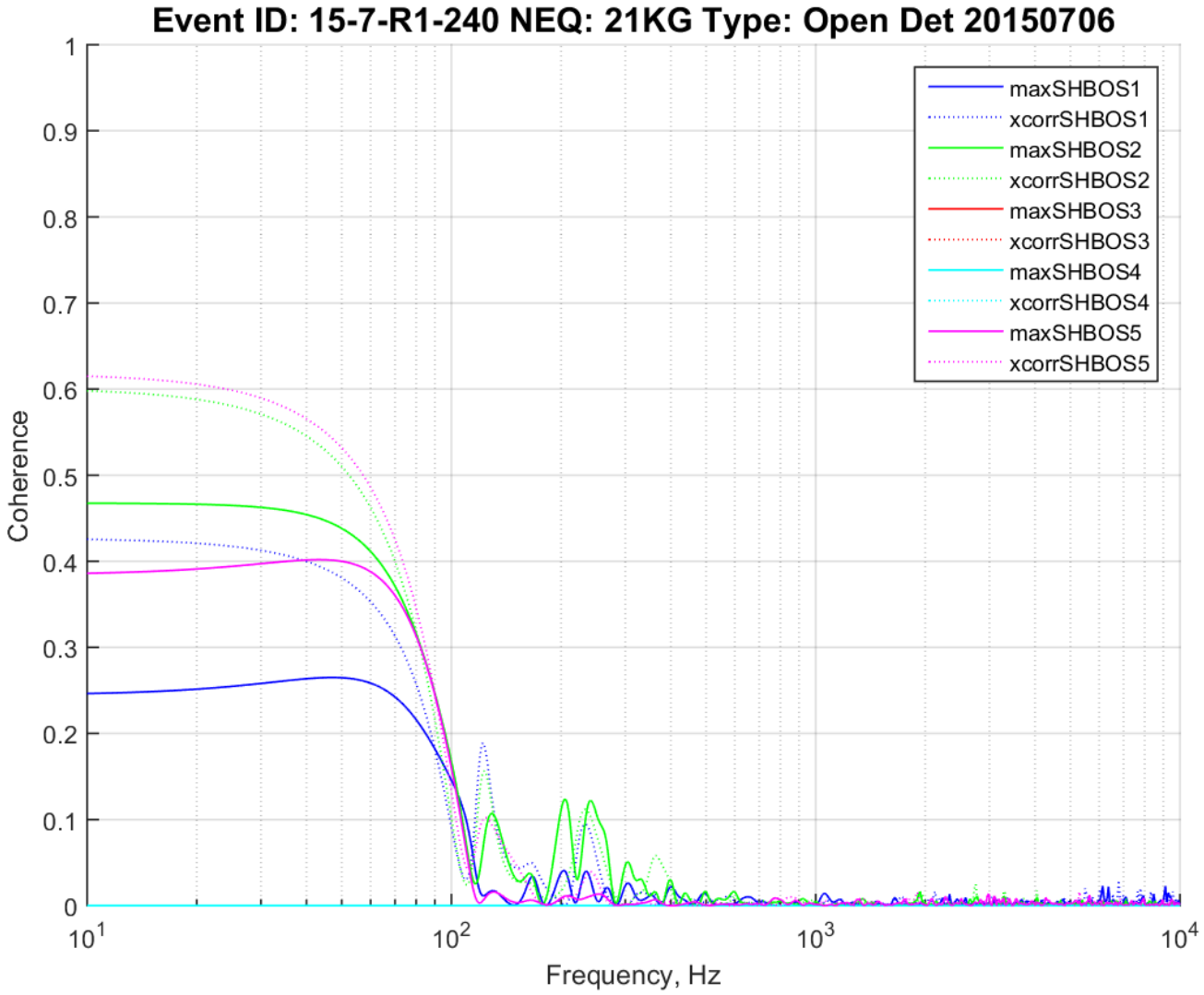


FIGURE 2.168: COHERENCE SHB_OS 1 - 5 15-7-R1-240

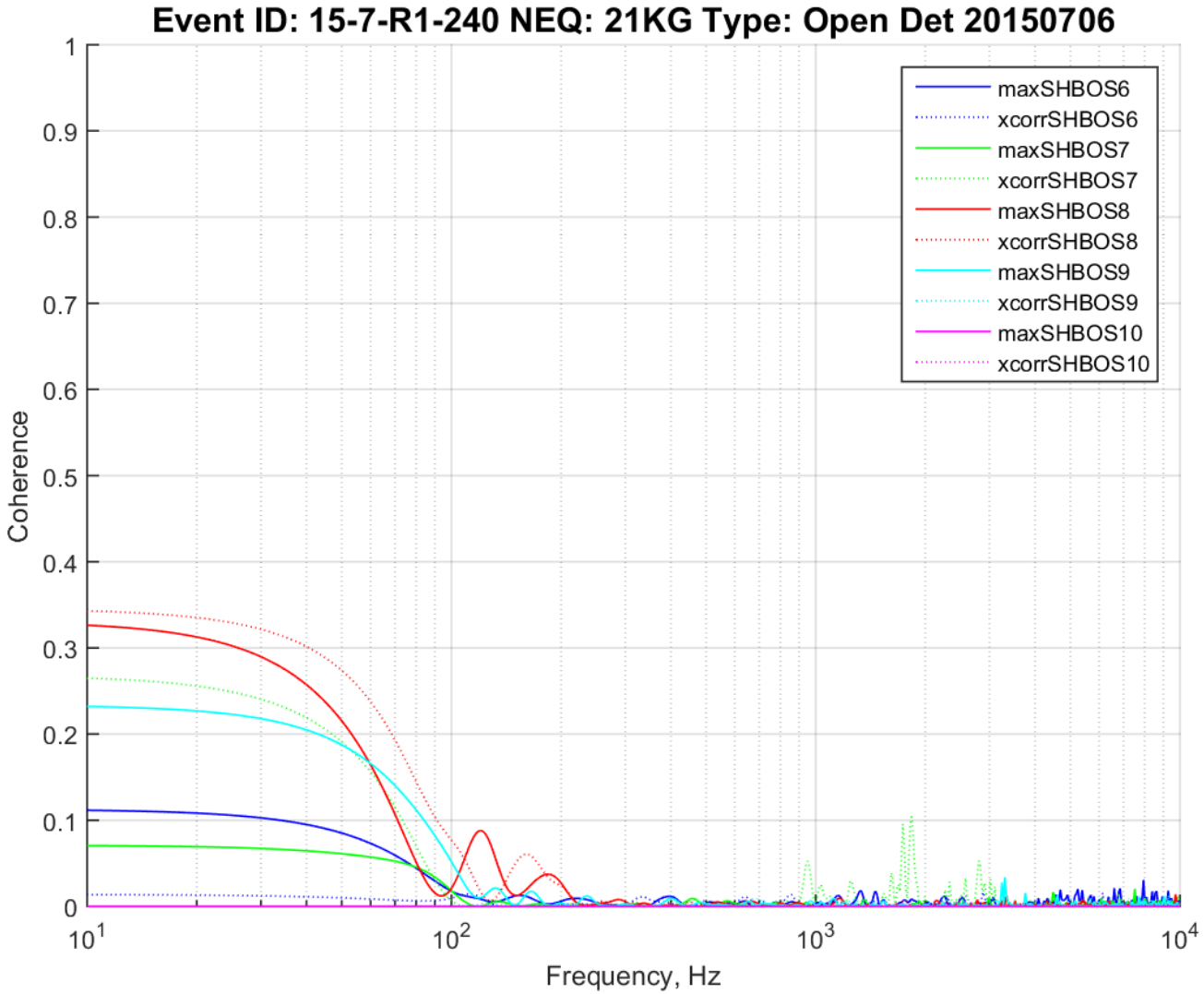


FIGURE 2.169: COHERENCE SHB_OS 6 - 10 15-7-R1-240CTD

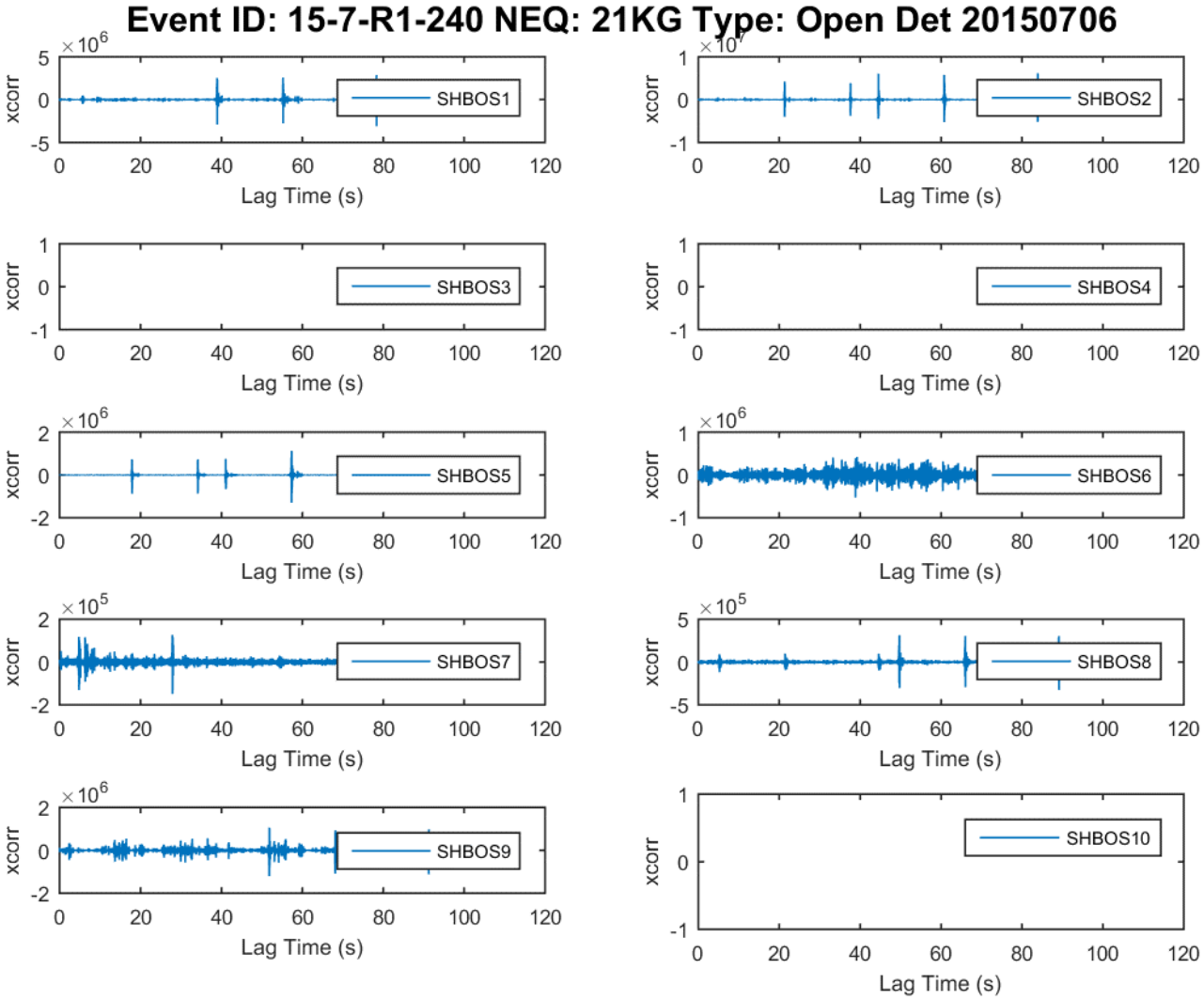


FIGURE 2.170: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-240

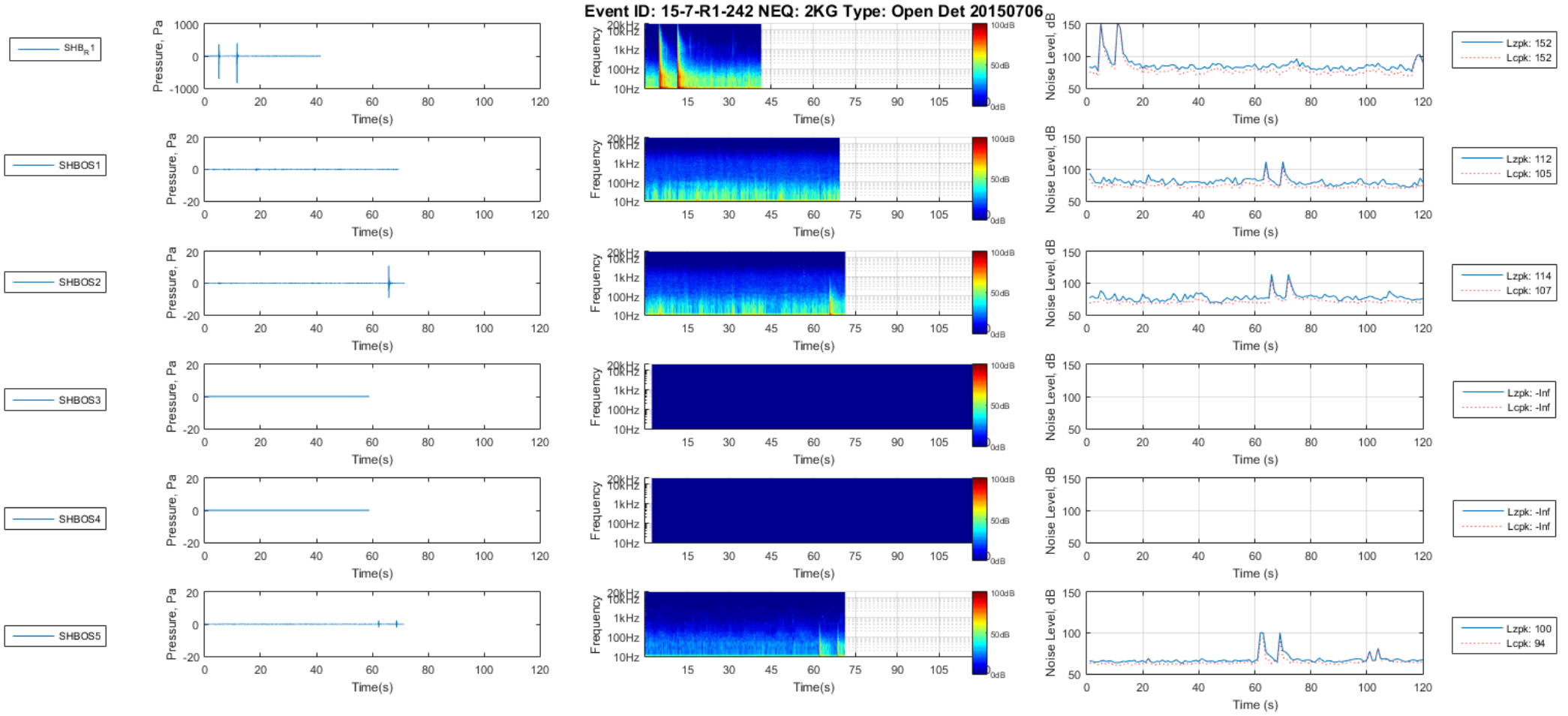


FIGURE 2.171: SHB_OS 1 - 5 15-7-R1-242

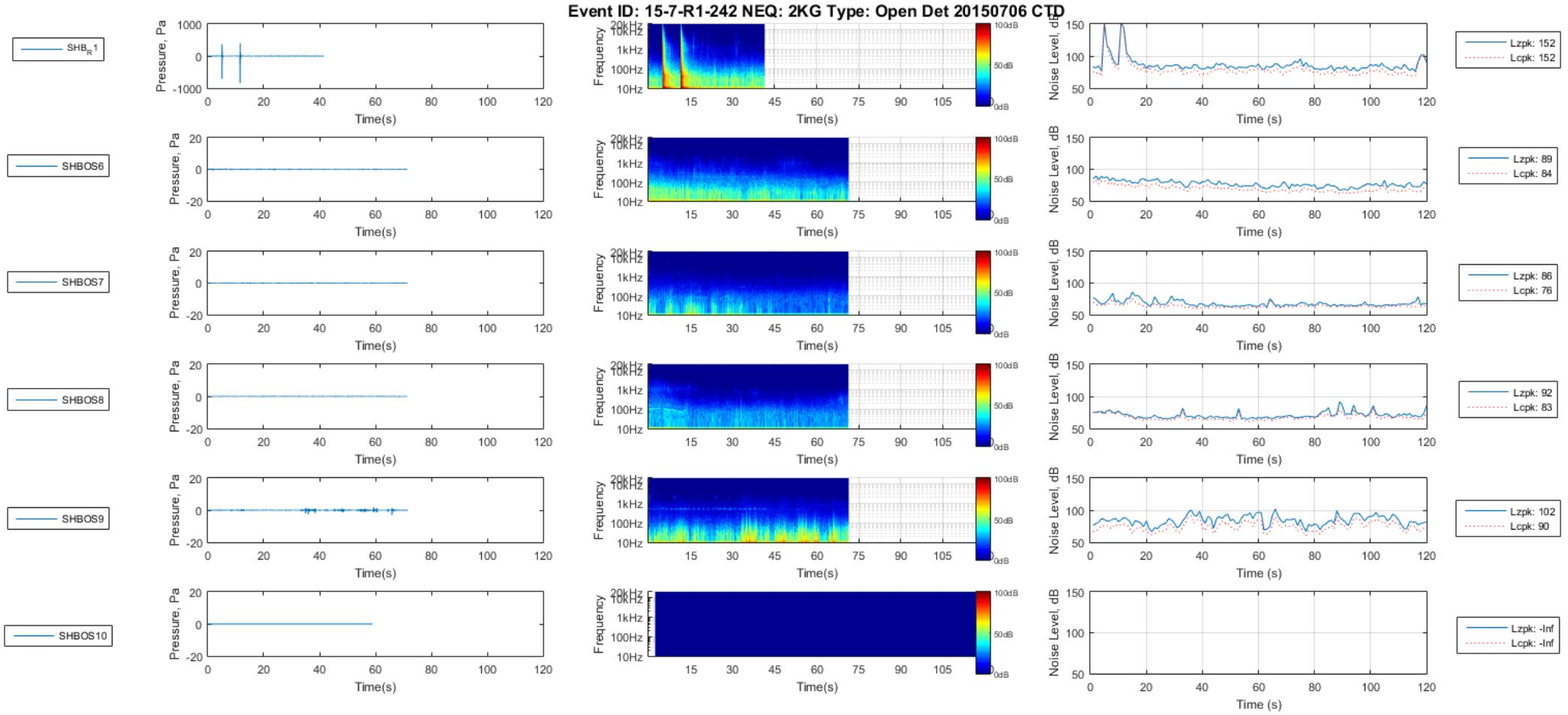


FIGURE 2.172: SHB_OS 6 - 10 15-7-R1-242

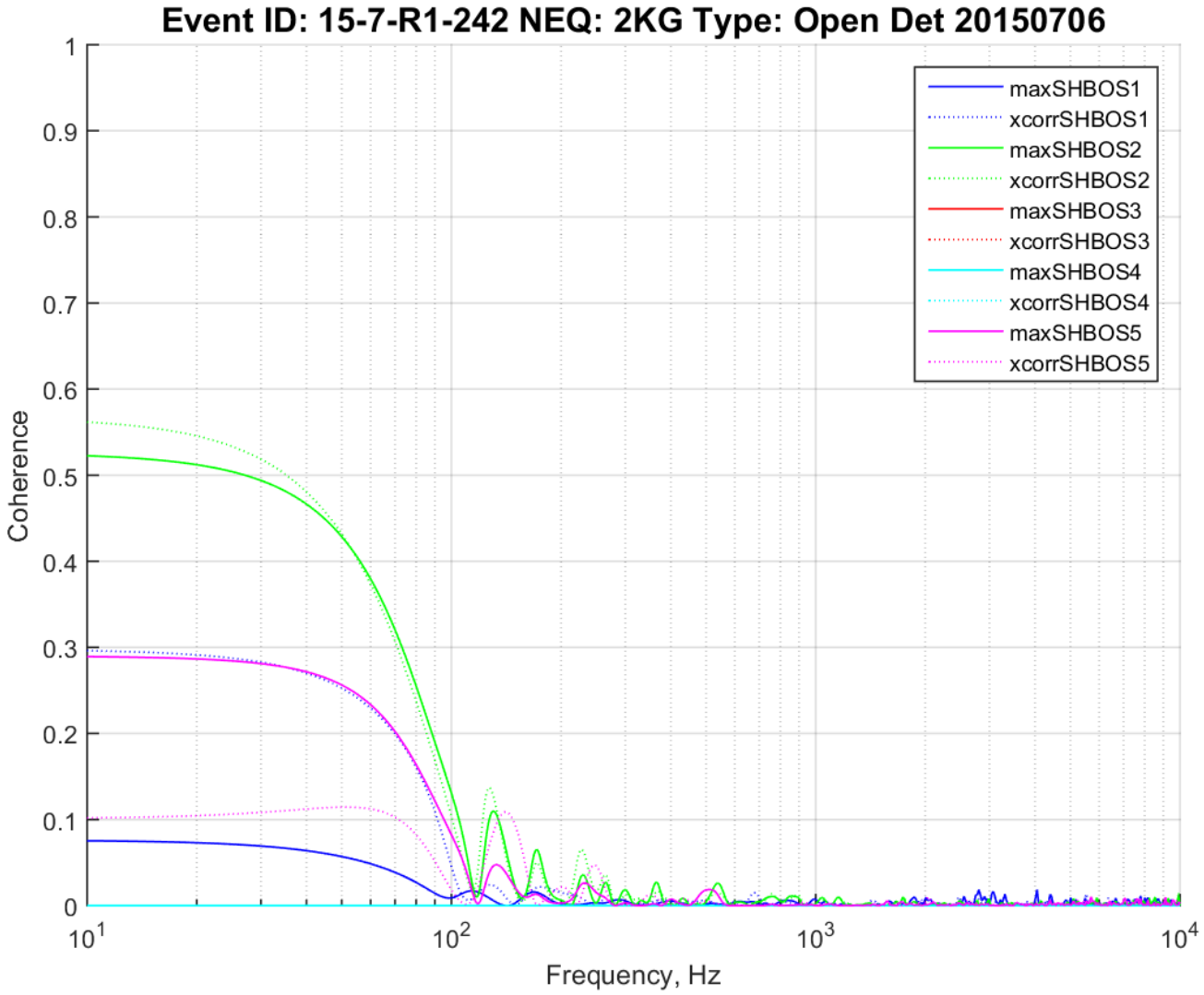


FIGURE 2.173: COHERENCE SHB_OS 1 - 5 15-7-R1-242

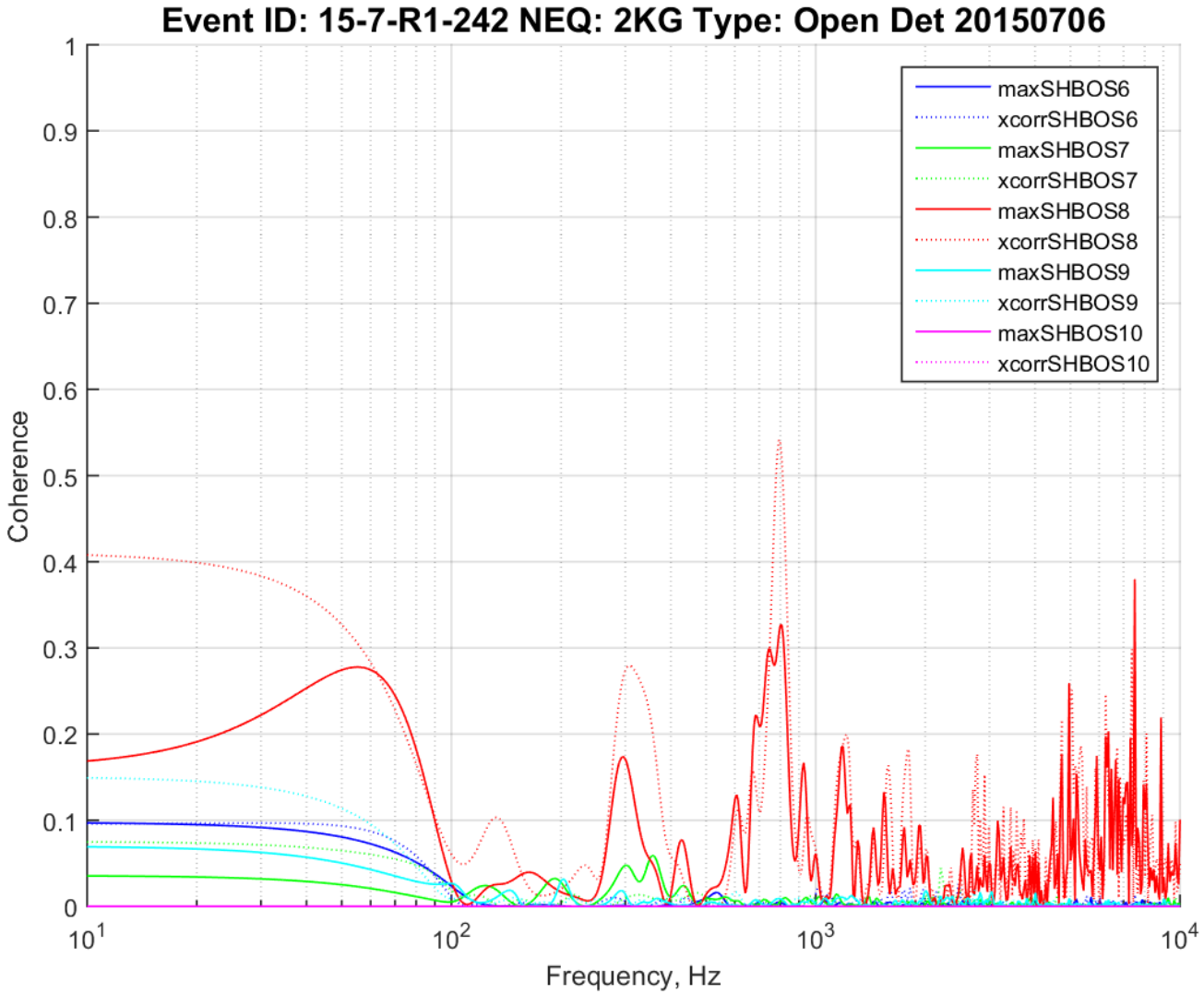


FIGURE 2.174: COHERENCE SHB_OS 6 - 10 15-7-R1-242CTD

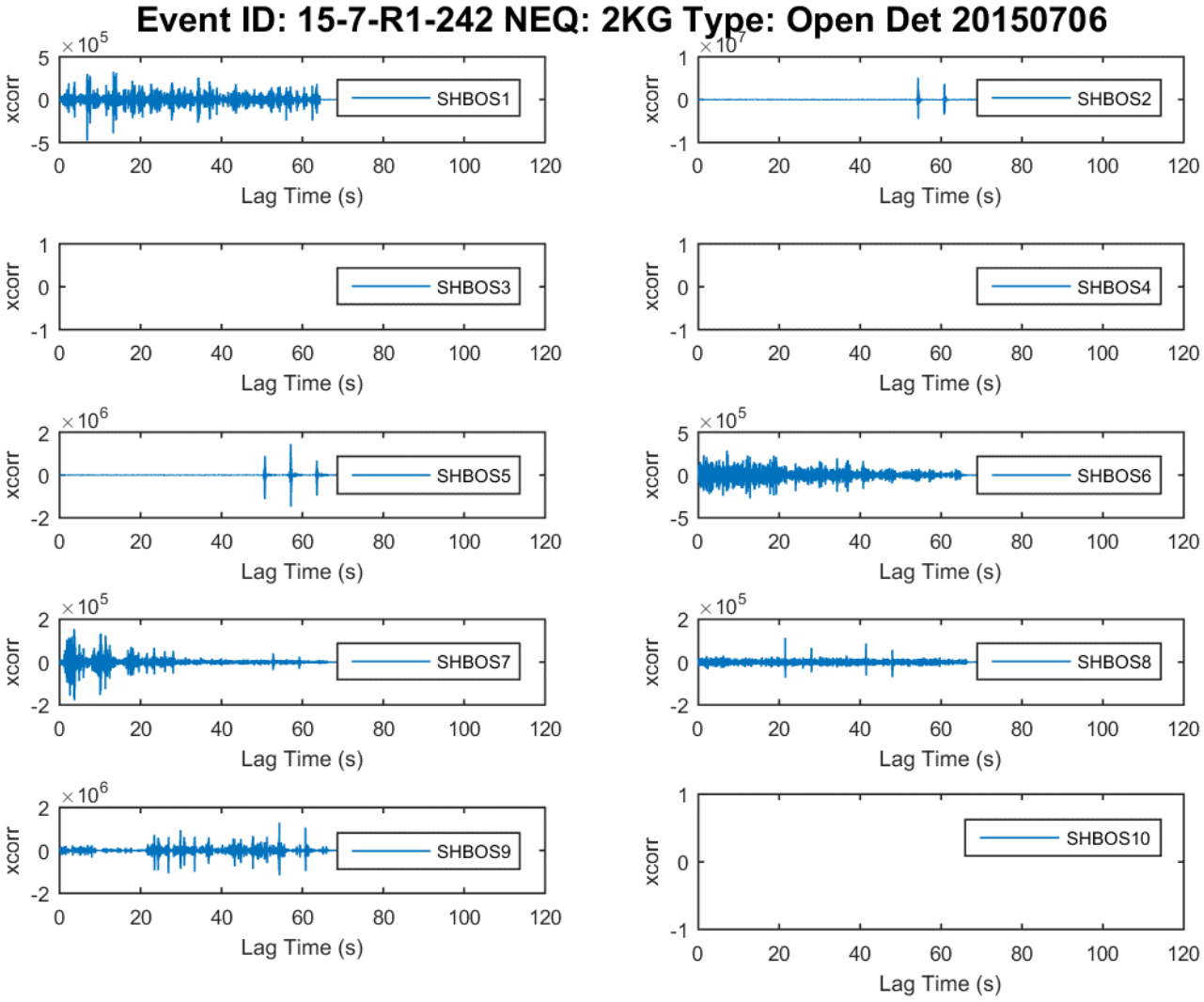


FIGURE 2.175: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-242

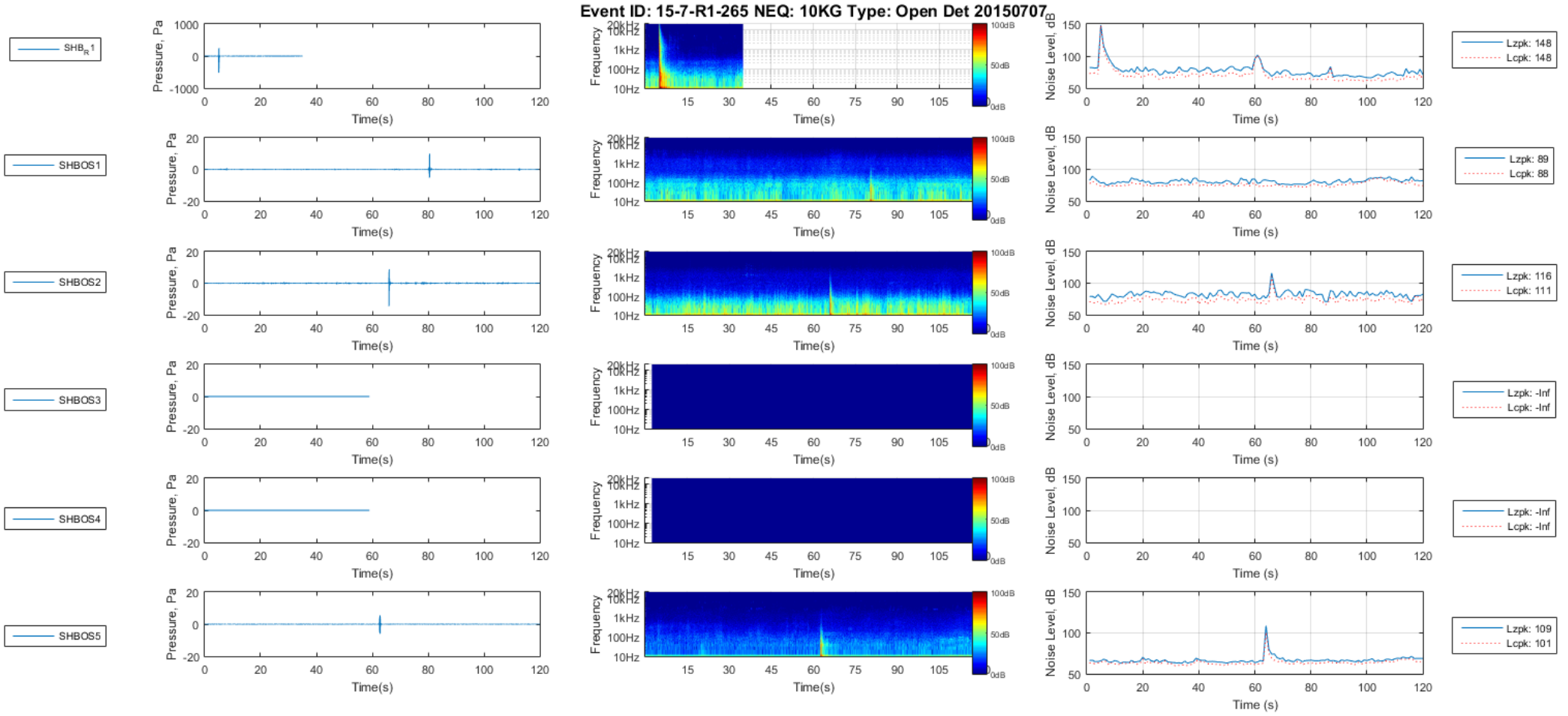


FIGURE 2.176: SHB_OS 1 - 5 15-7-R1-265

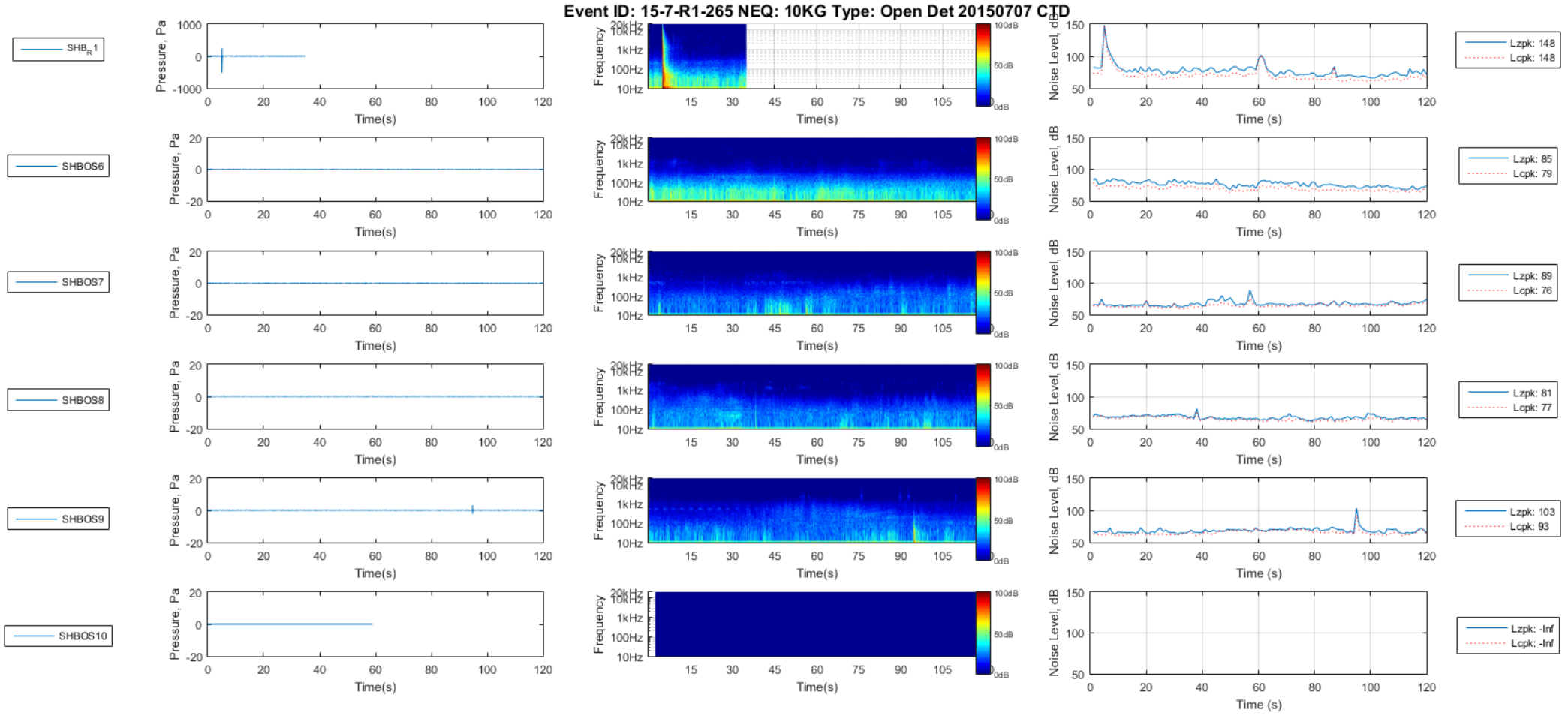


FIGURE 2.177: SHB_OS 6 - 10 15-7-R1-265

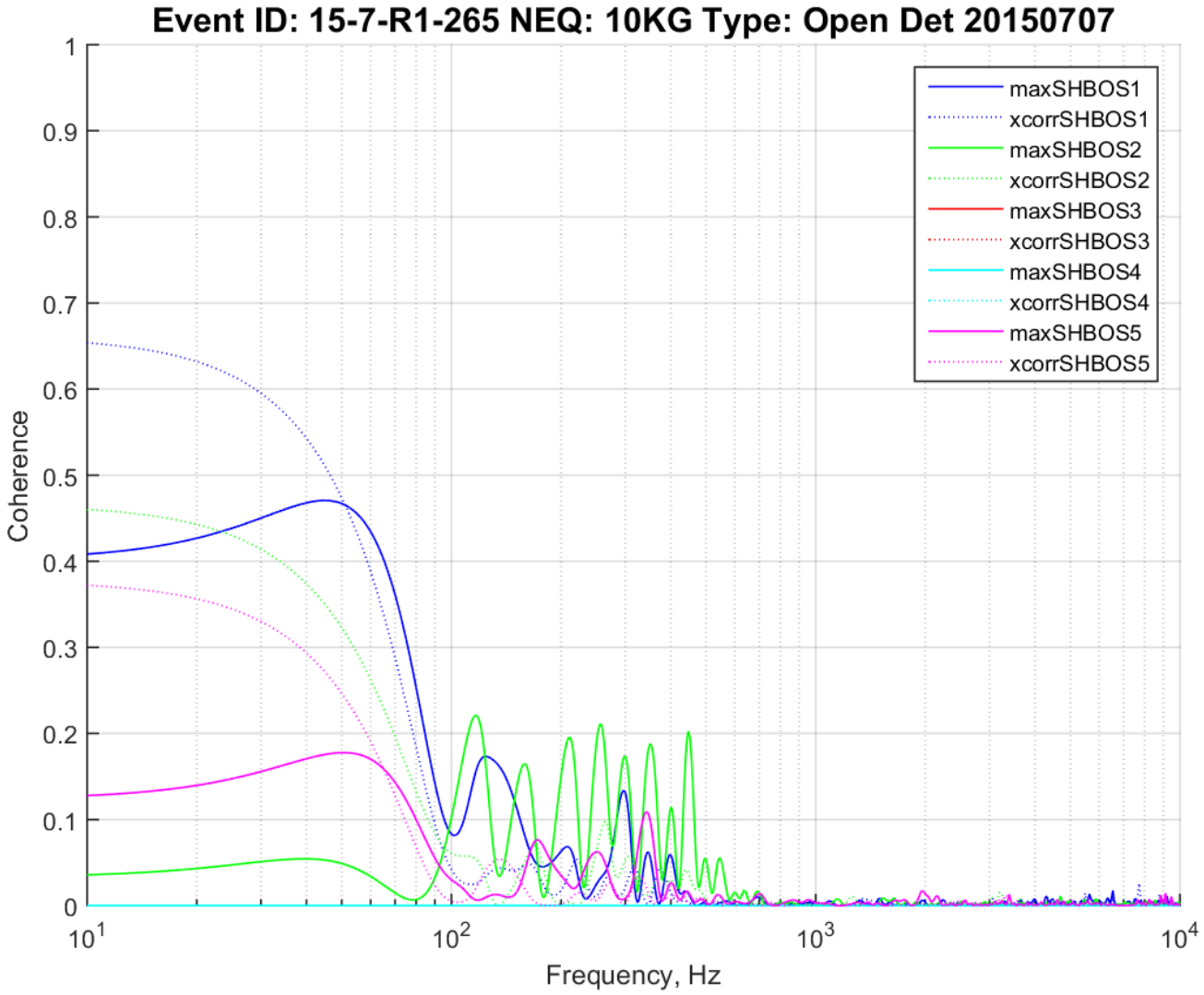


FIGURE 2.178: COHERENCE SHB_OS 1 - 5 15-7-R1-265

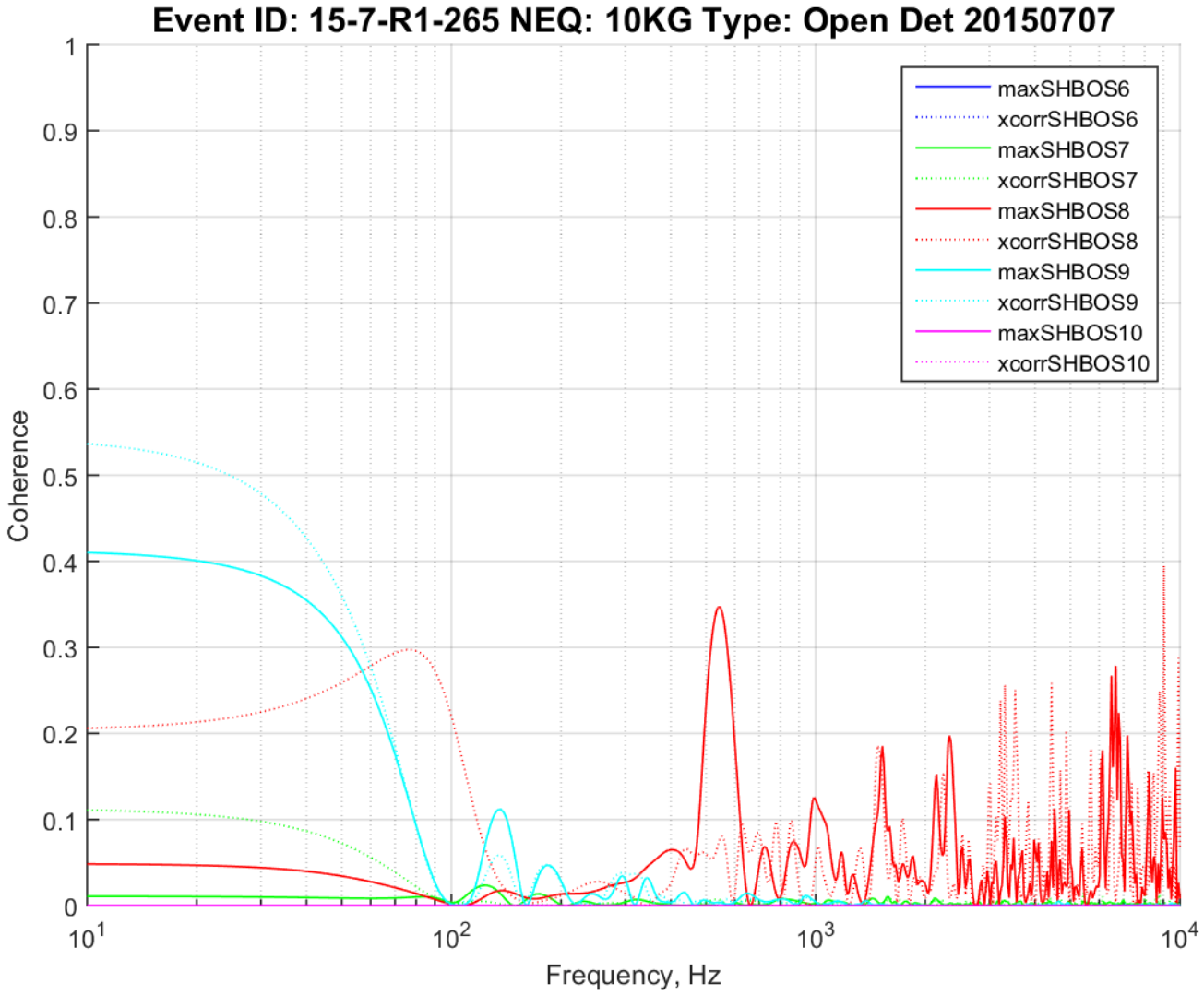


FIGURE 2.179: COHERENCE SHB_OS 6 - 10 15-7-R1-265CTD

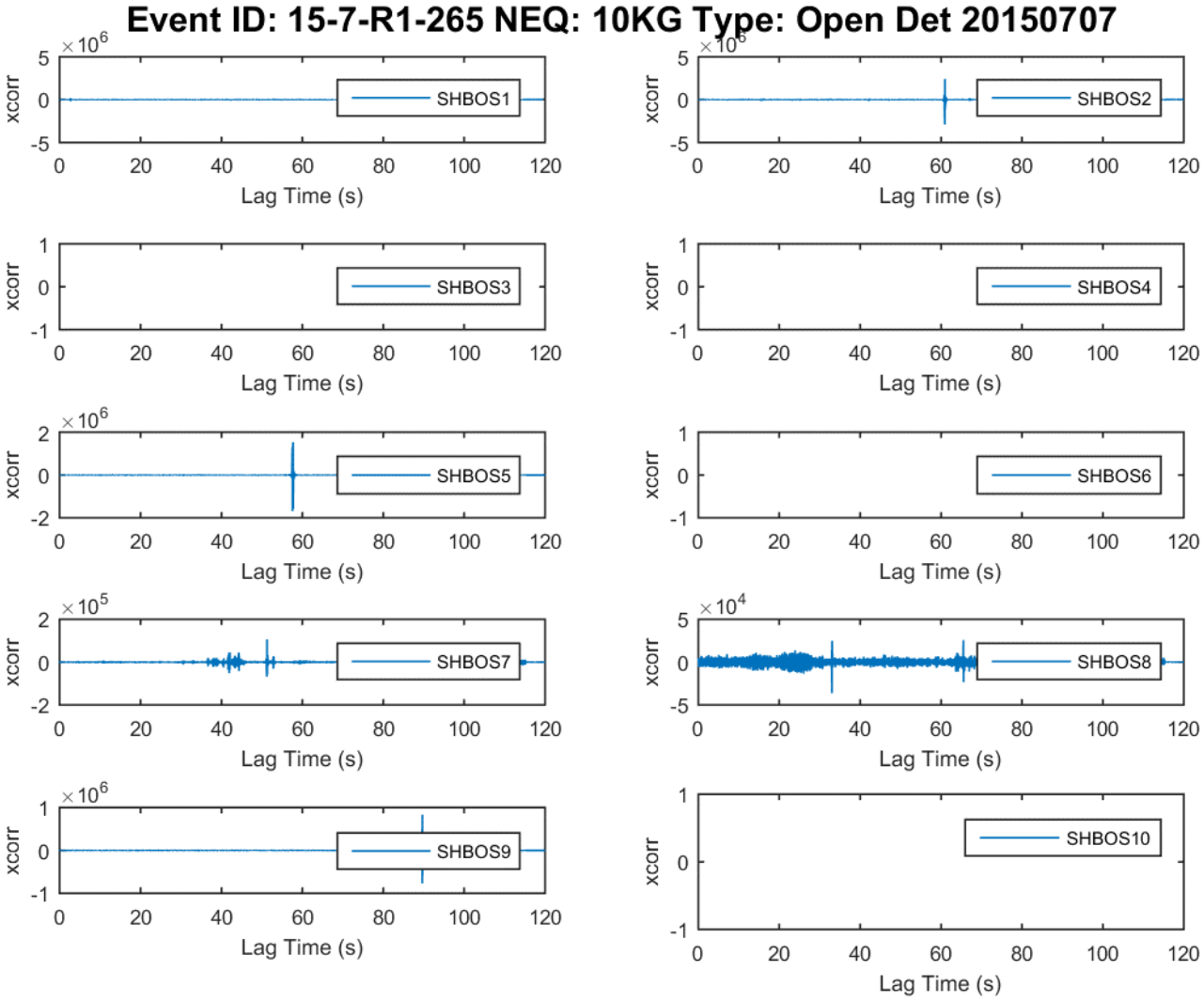


FIGURE 2.180: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-265

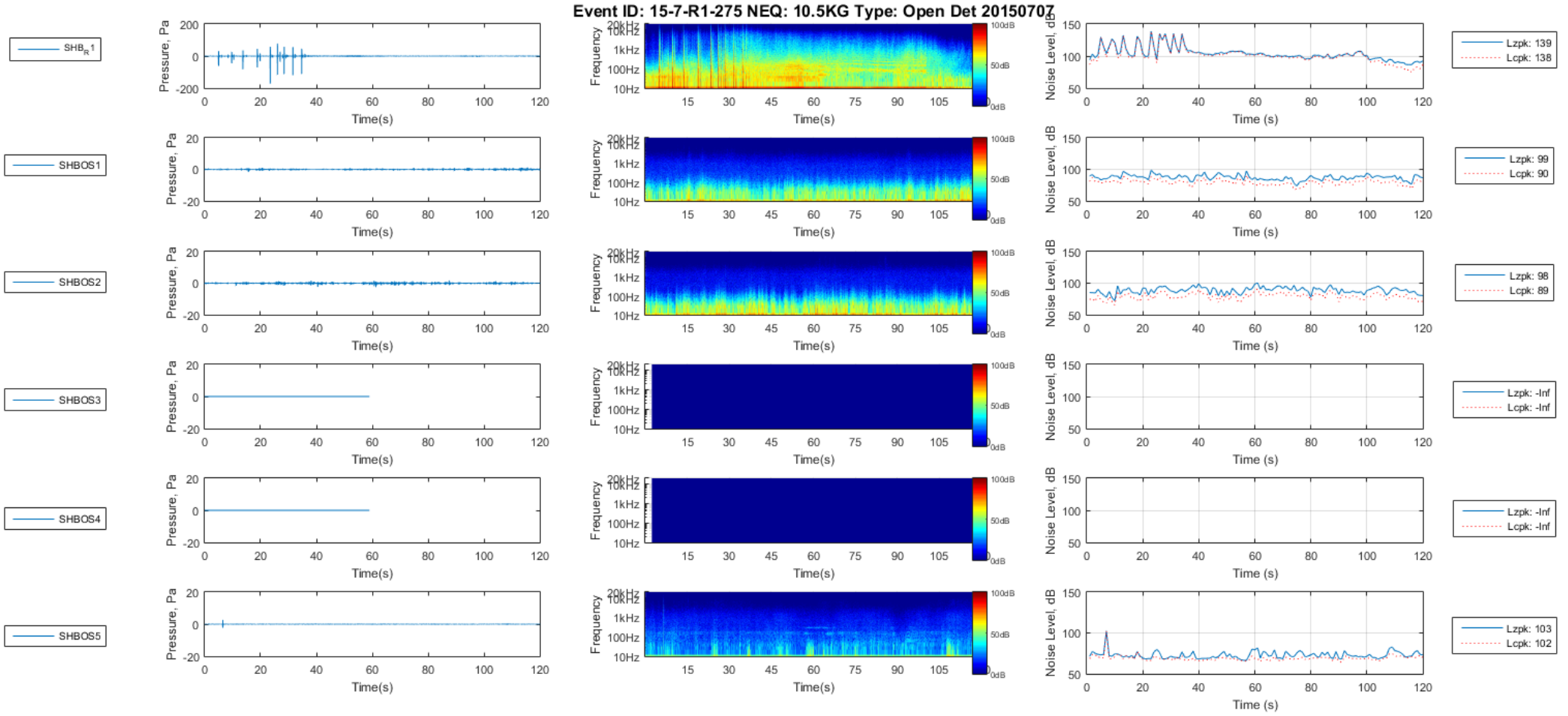


FIGURE 2.181: SHB_OS 1 - 5 15-7-R1-275

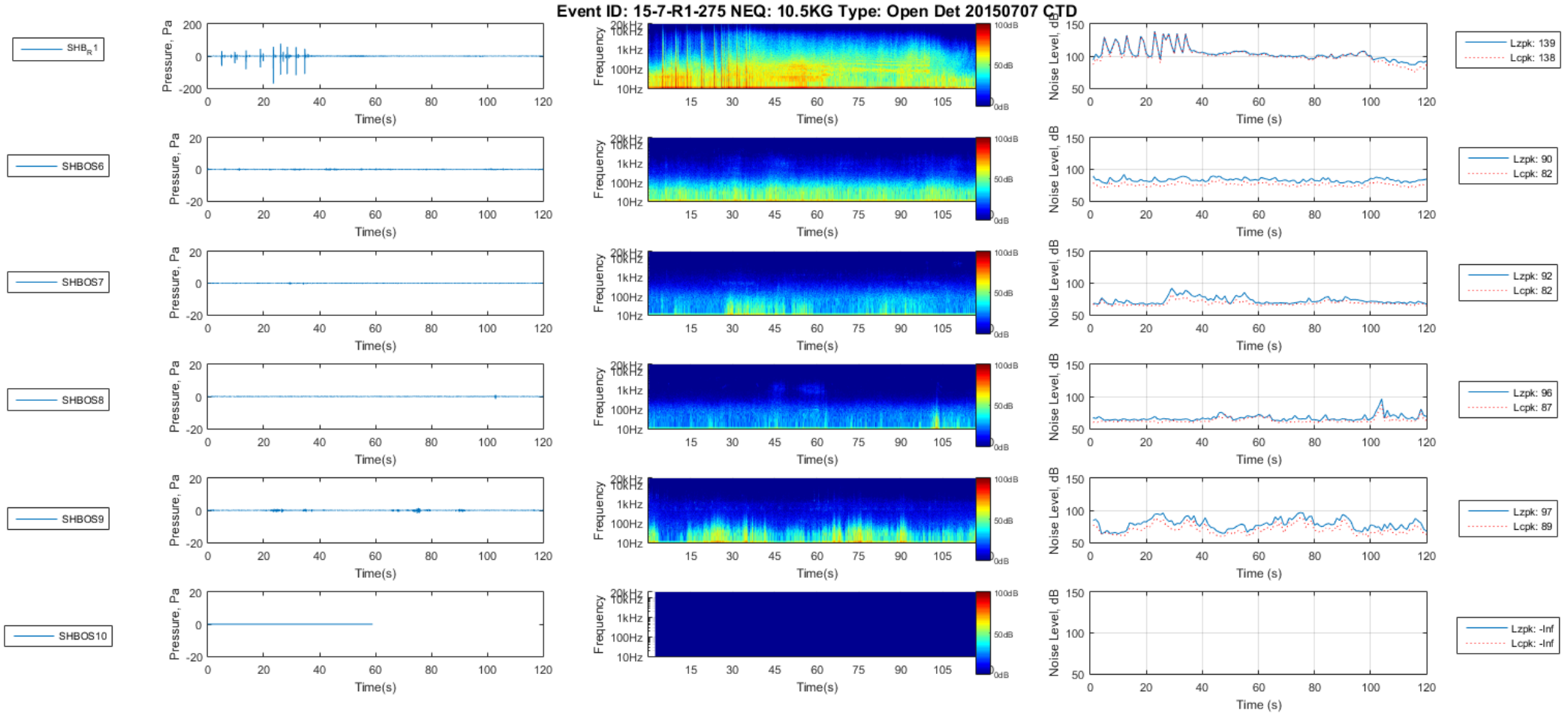


FIGURE 2.182: SHB_OS 6 - 10 15-7-R1-275

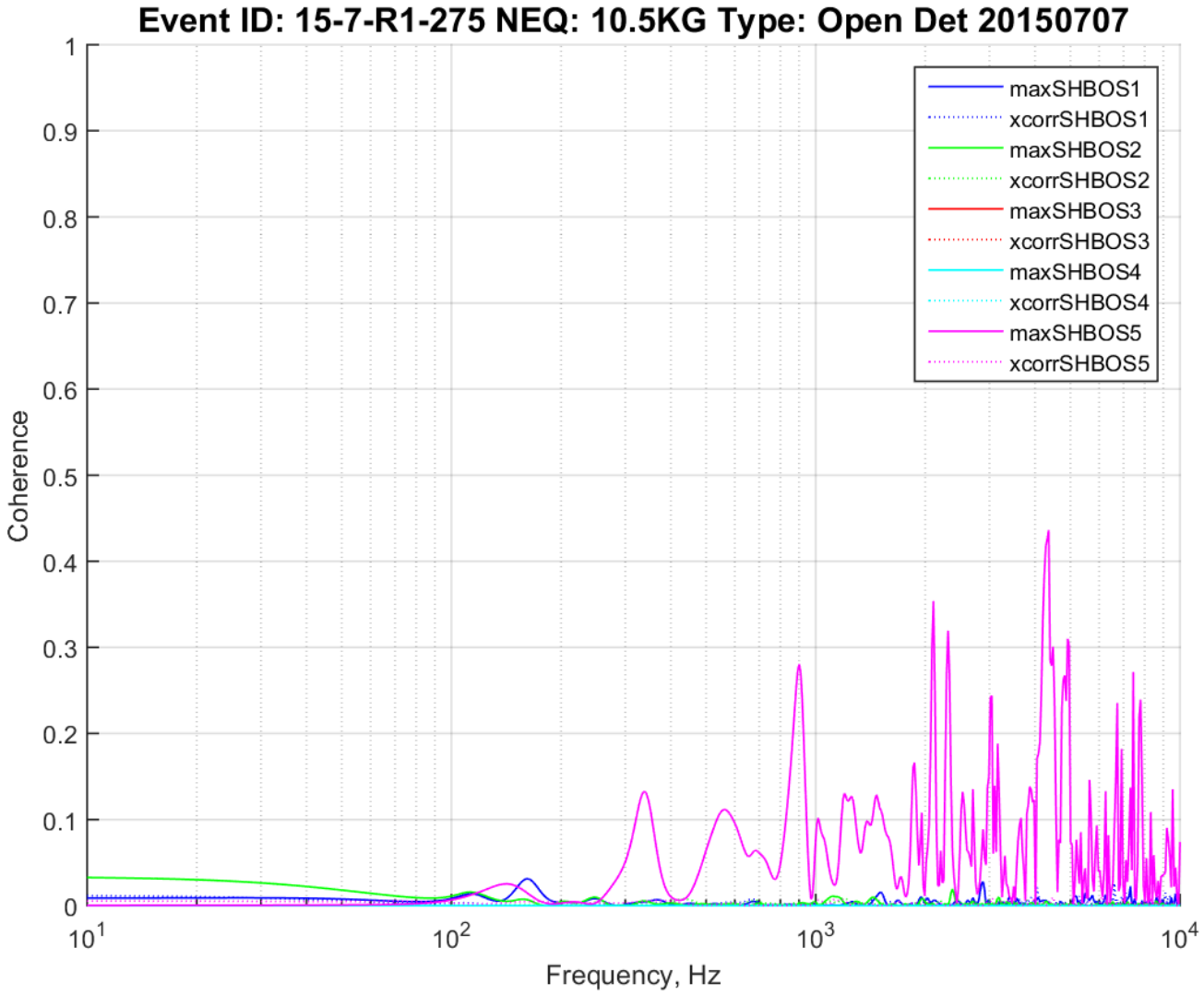


FIGURE 2.183: COHERENCE SHB_OS 1 - 5 15-7-R1-275

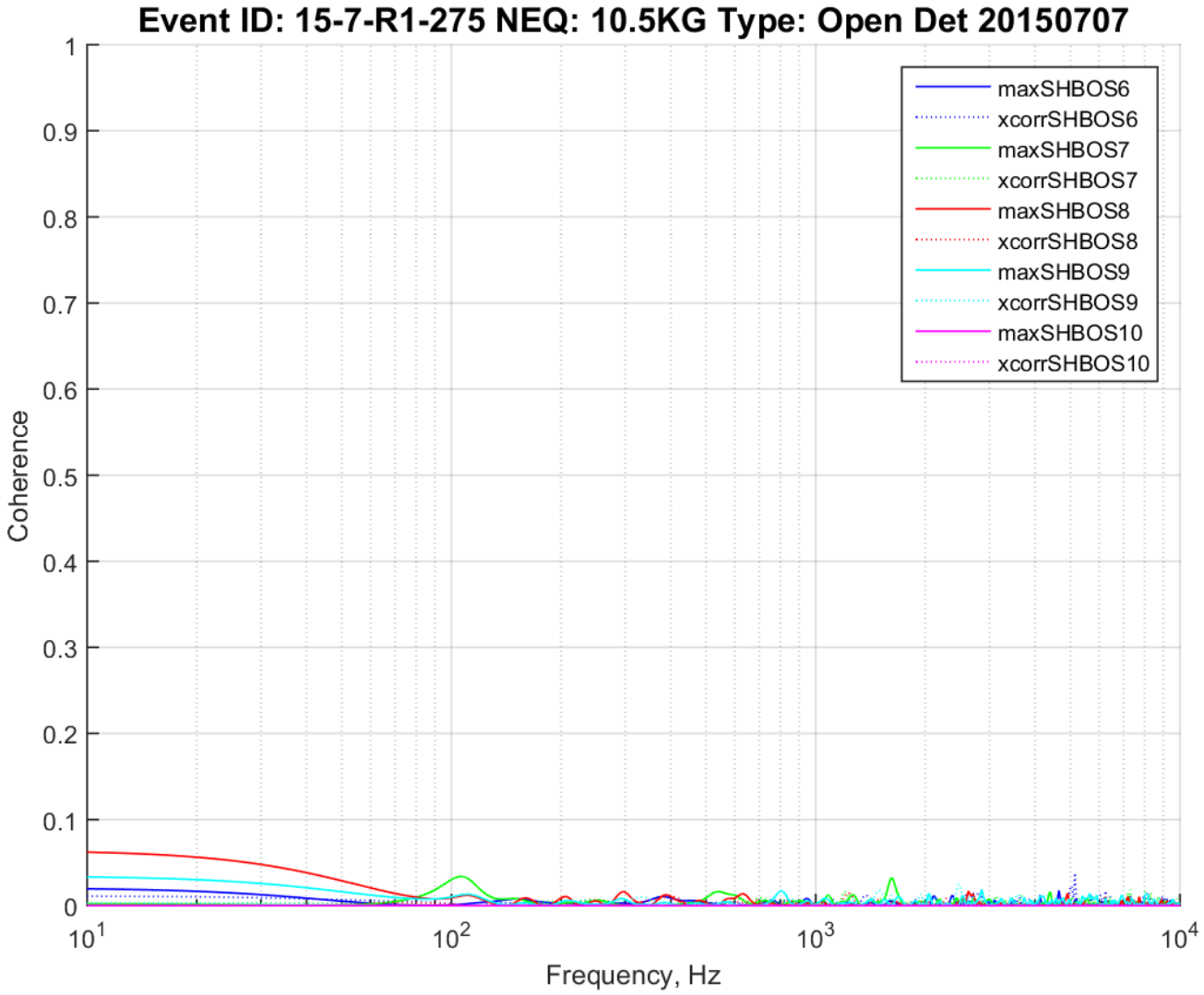


FIGURE 2.184: COHERENCE SHB_OS 6 - 10 15-7-R1-275CTD

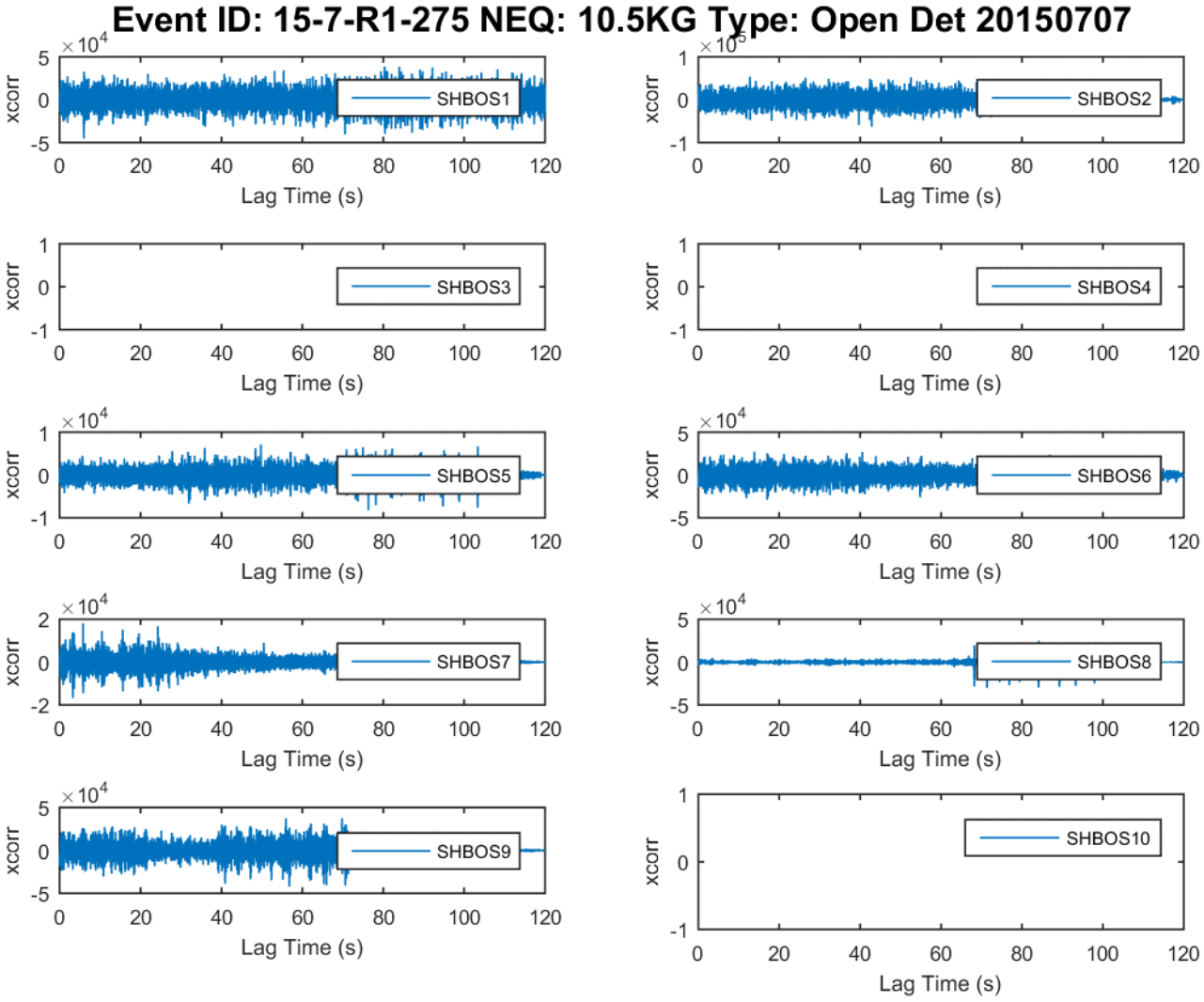


FIGURE 2.185: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-275

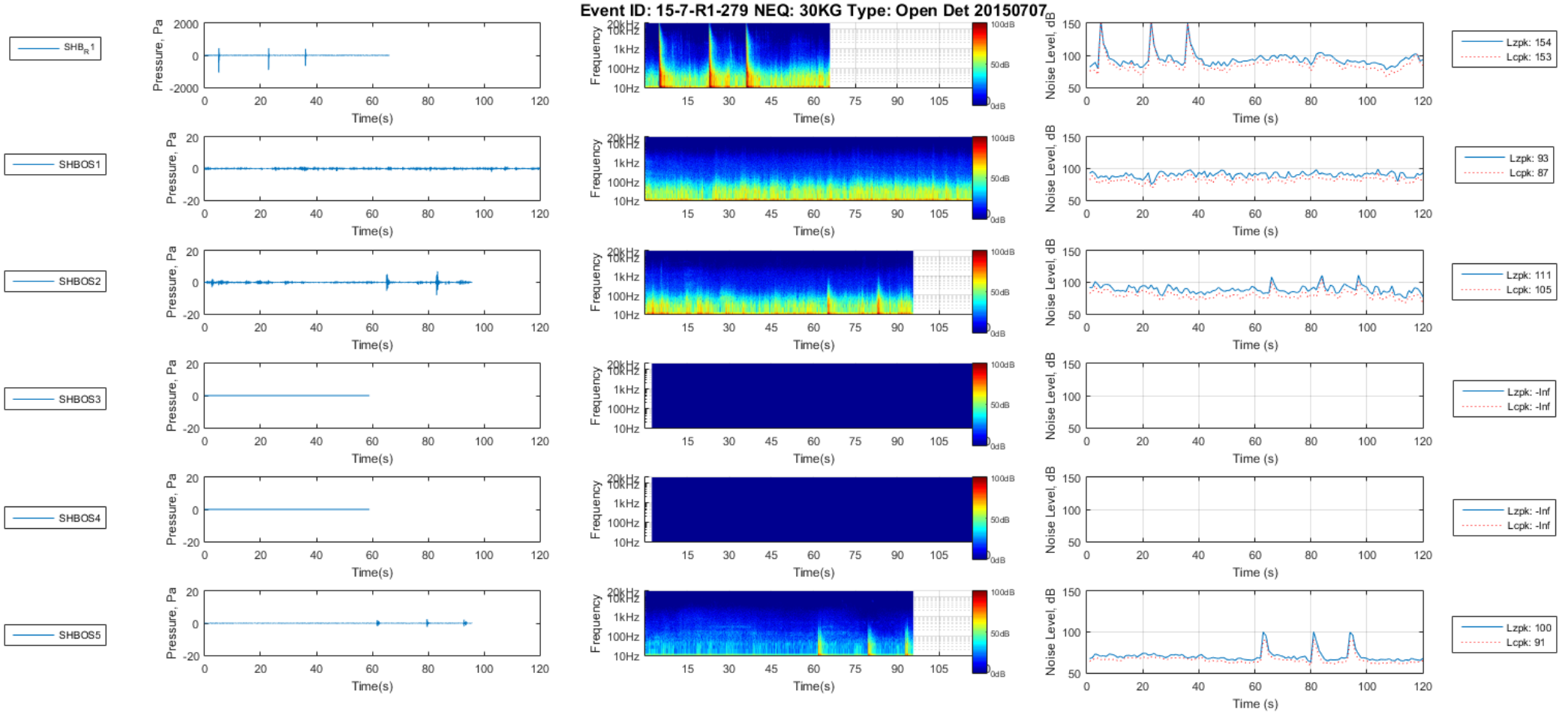


FIGURE 2.186: SHB_OS 1 - 5 15-7-R1-279

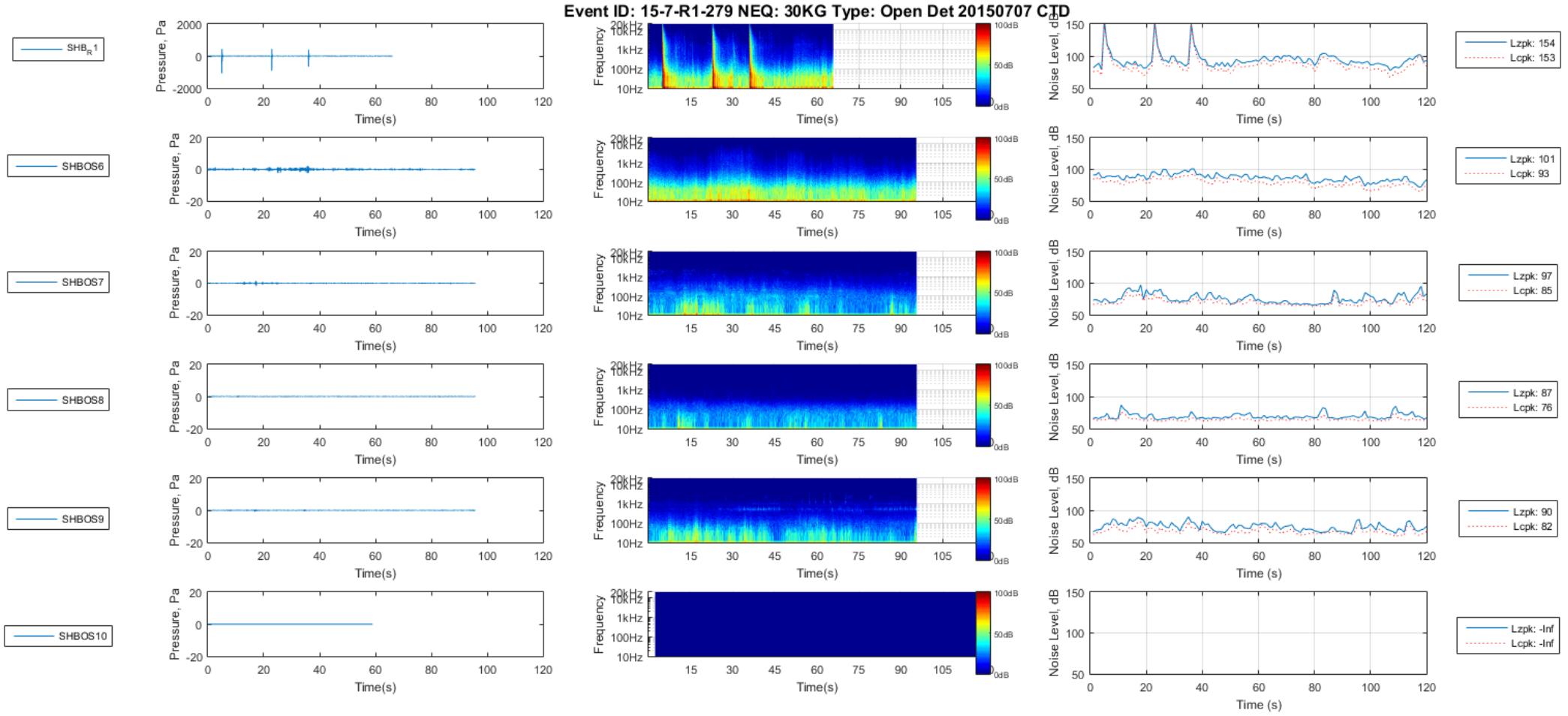


FIGURE 2.187: SHB_OS 6 - 10 15-7-R1-279

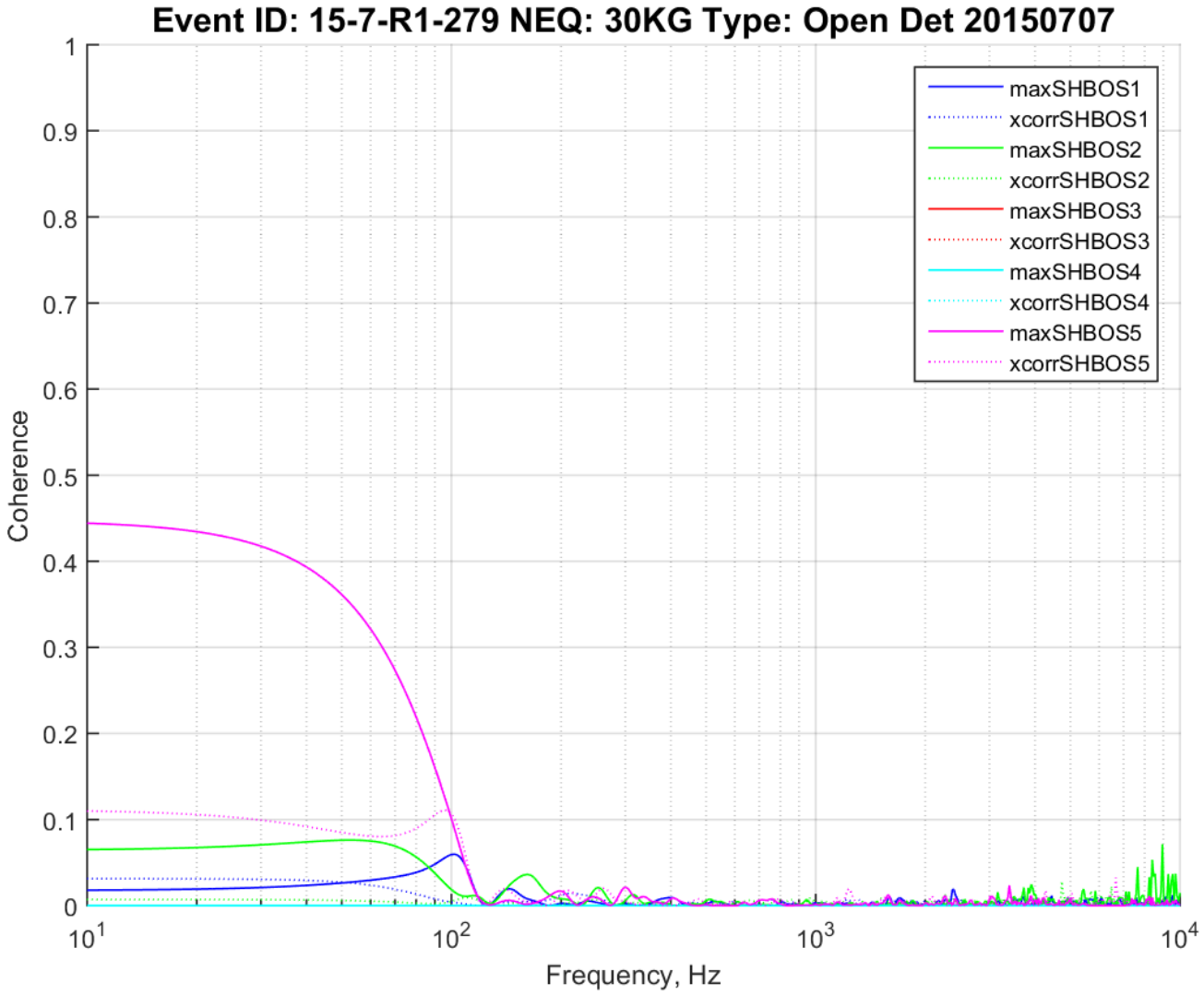


FIGURE 2.188: COHERENCE SHB_OS 1 - 5 15-7-R1-279

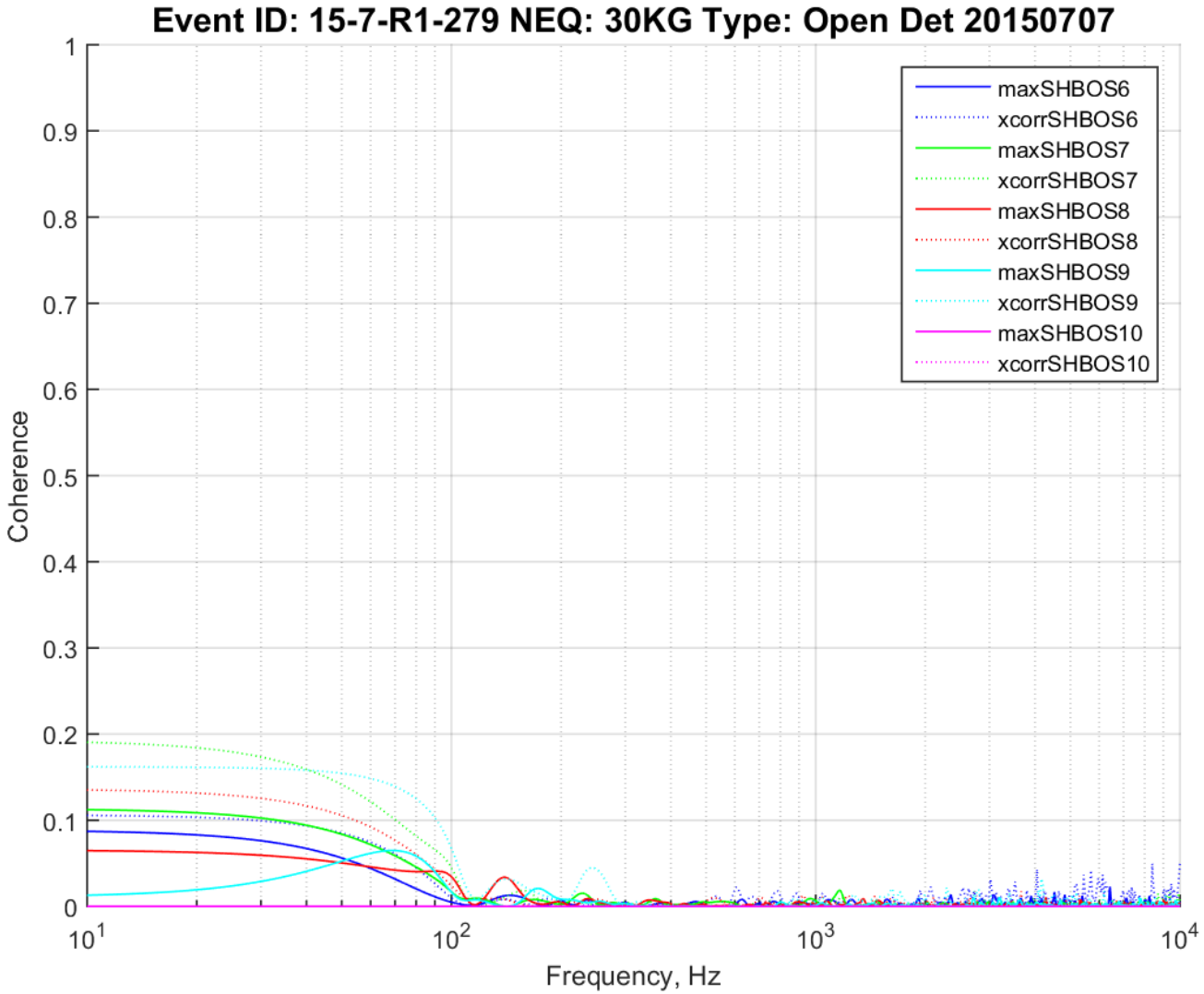


FIGURE 2.189: COHERENCE SHB_OS 6 - 10 15-7-R1-279CTD

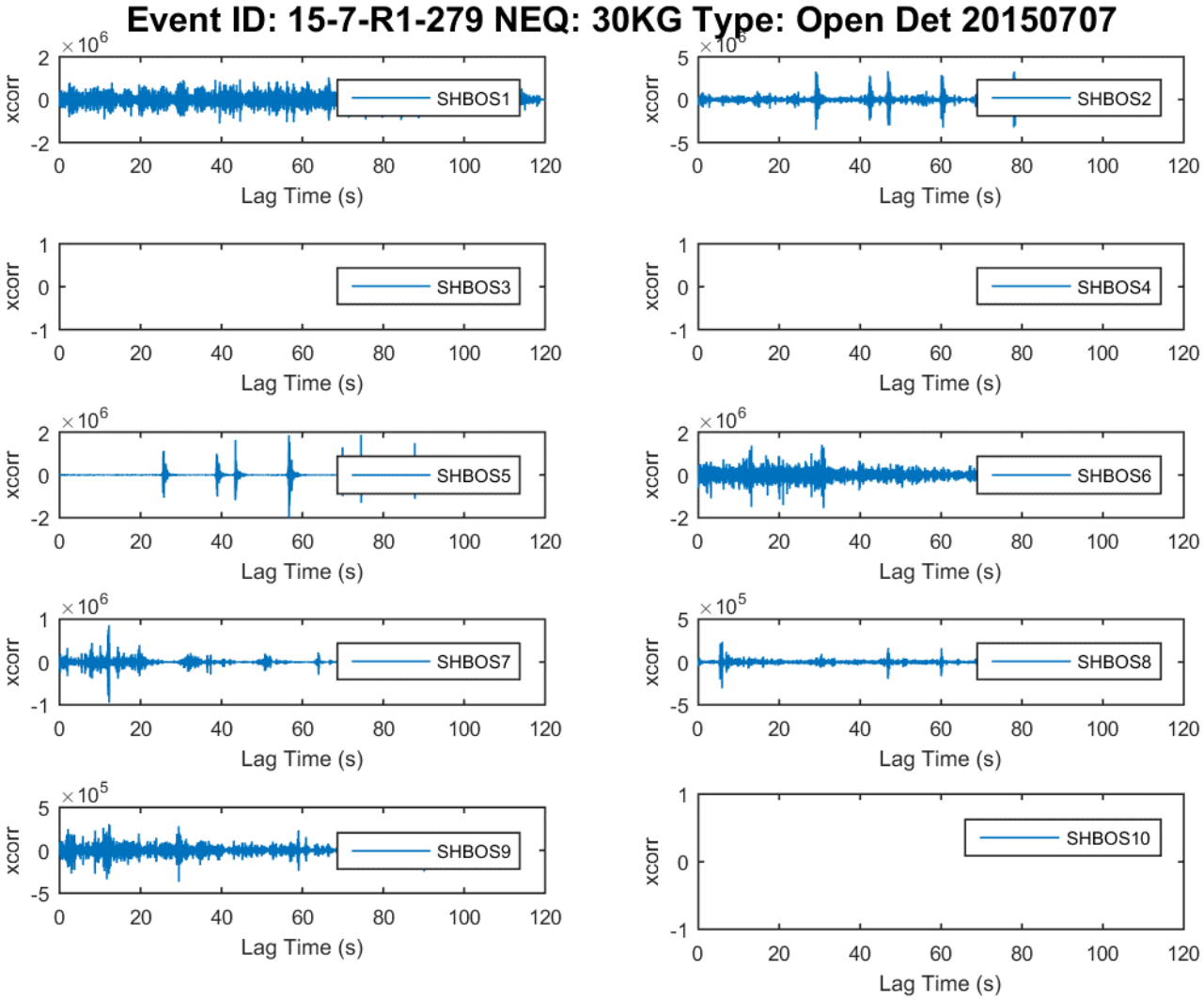


FIGURE 2.190: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-279

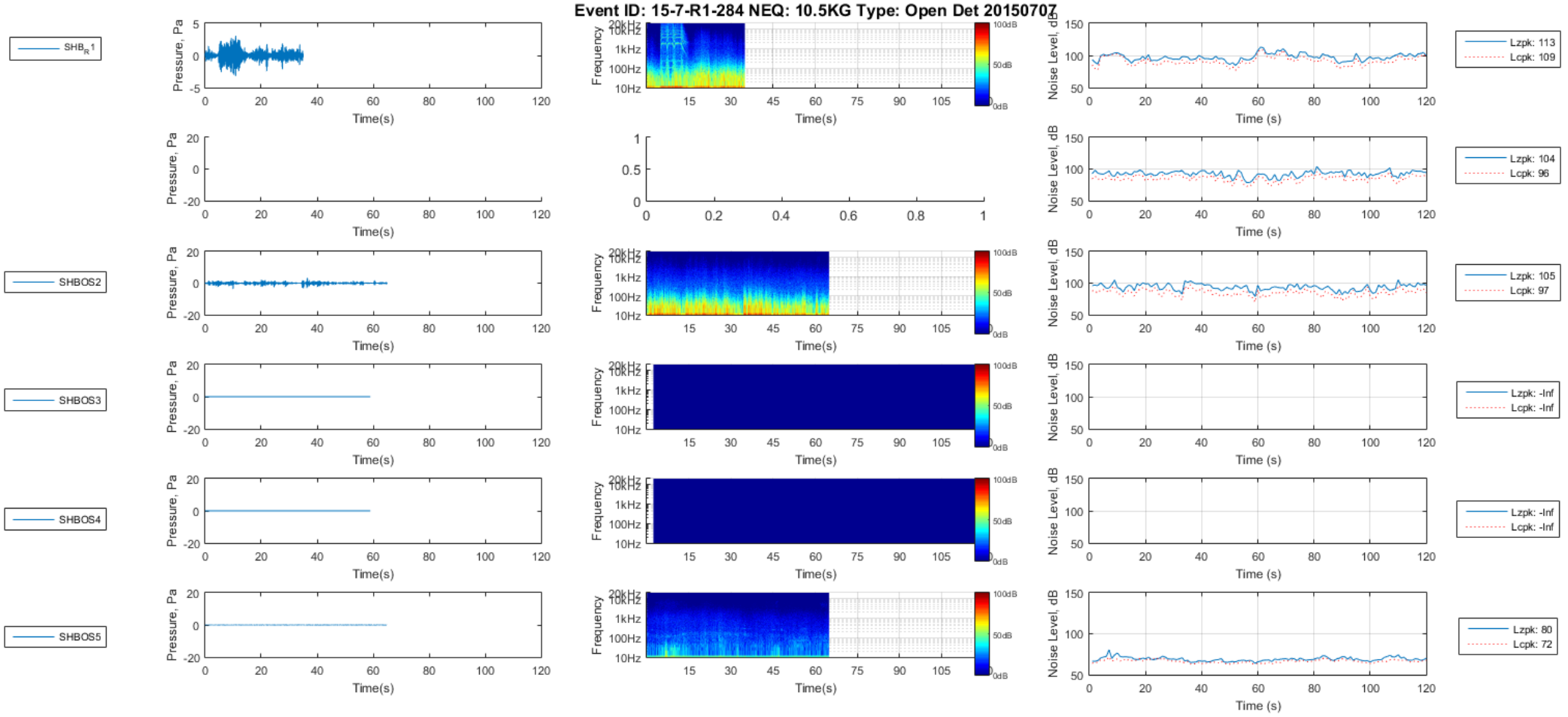


FIGURE 2.191: SHB_OS 1 - 5 15-7-R1-284

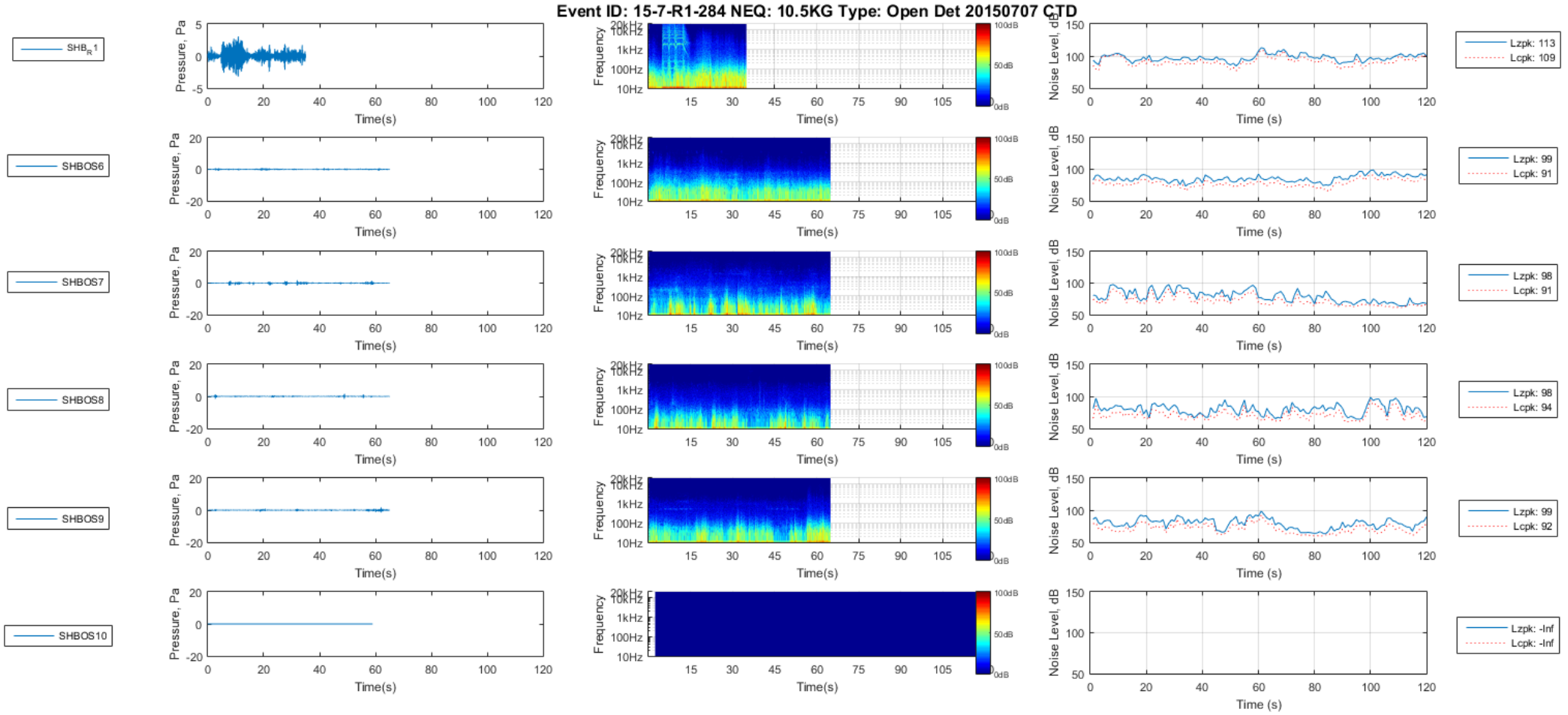


FIGURE 2.192: SHB_OS 6 - 10 15-7-R1-284

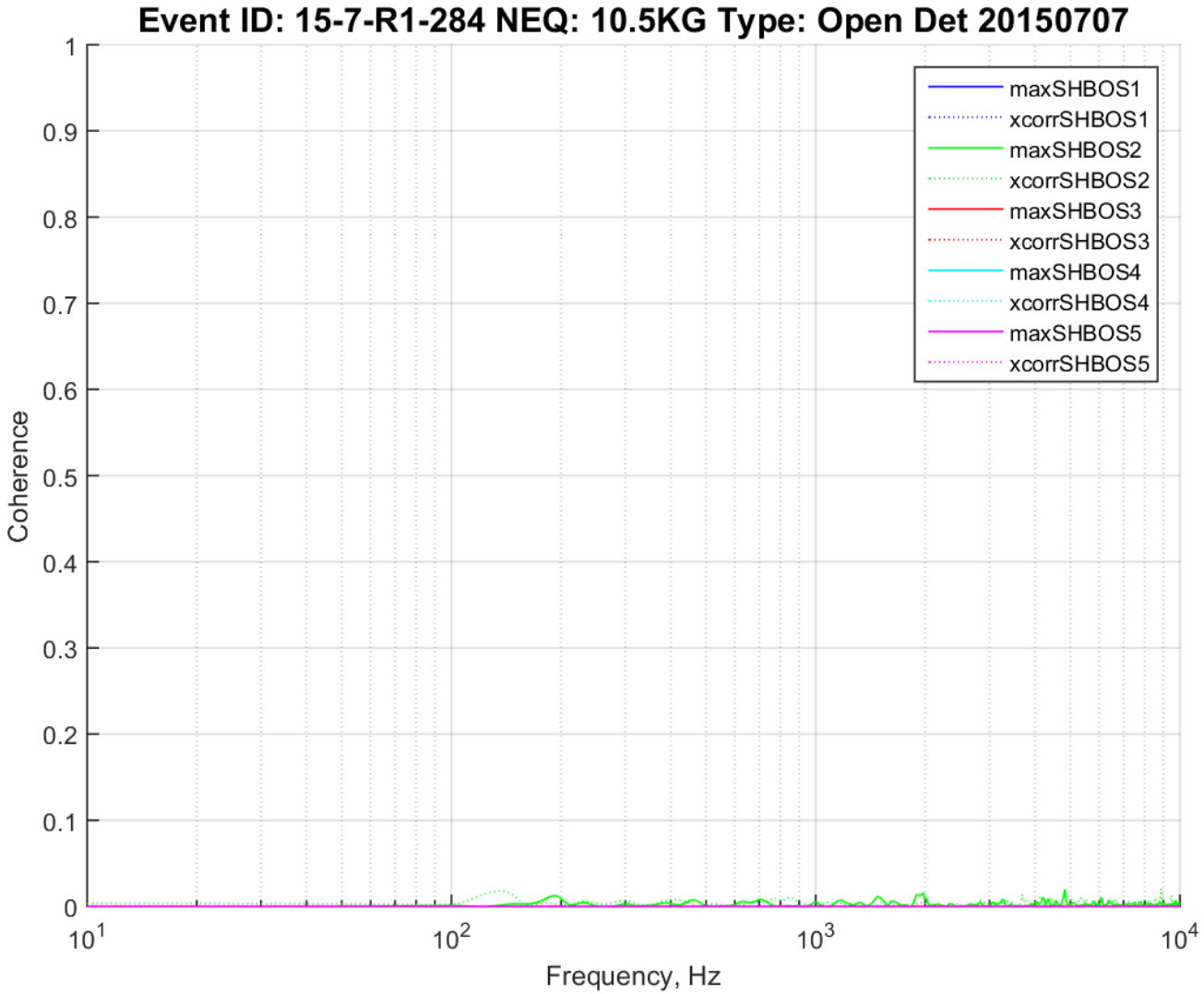


FIGURE 2.193: COHERENCE SHB_OS 1 - 5 15-7-R1-284

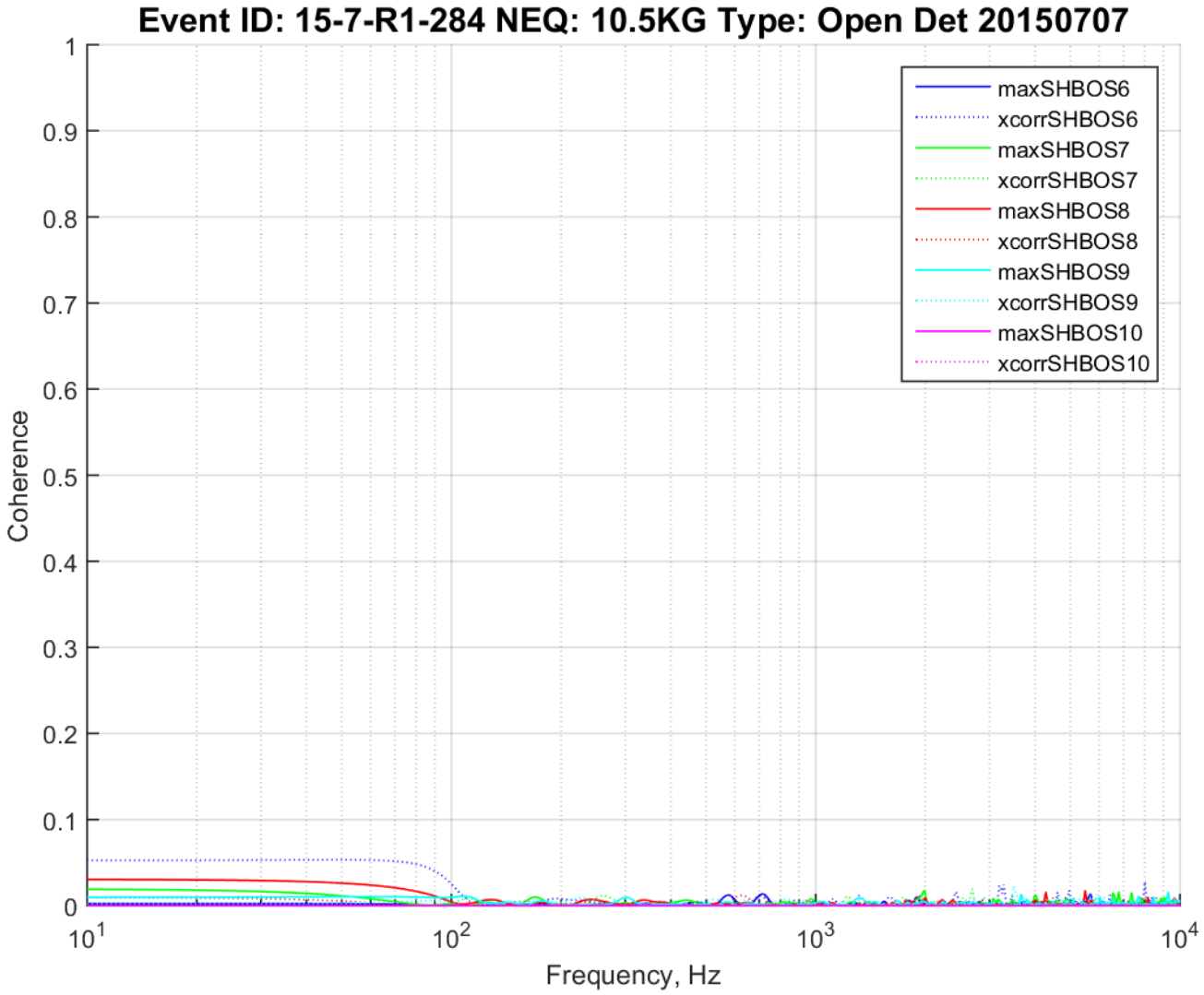


FIGURE 2.194: COHERENCE SHB_OS 6 - 10 15-7-R1-284CTD

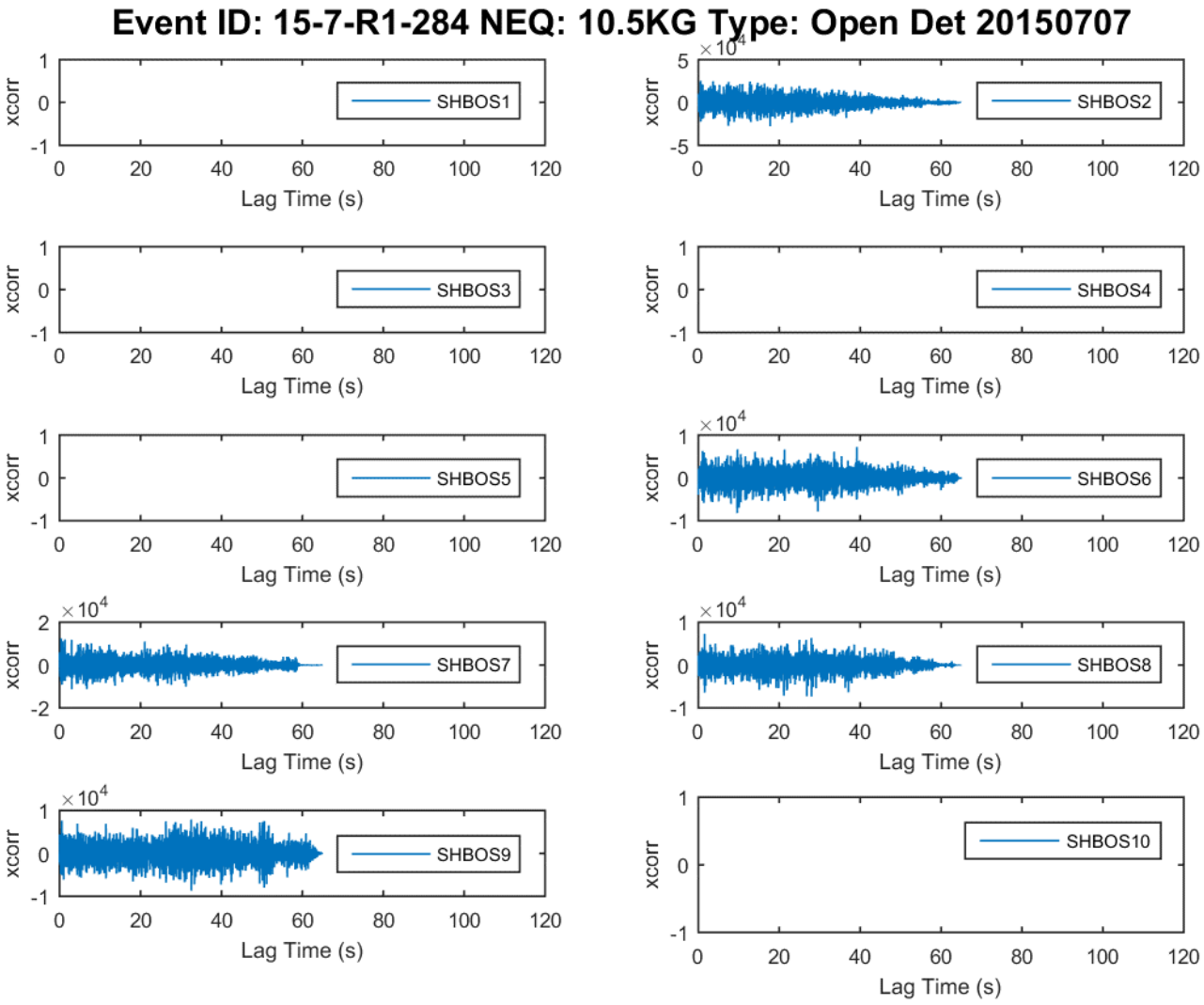


FIGURE 2.195: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-284

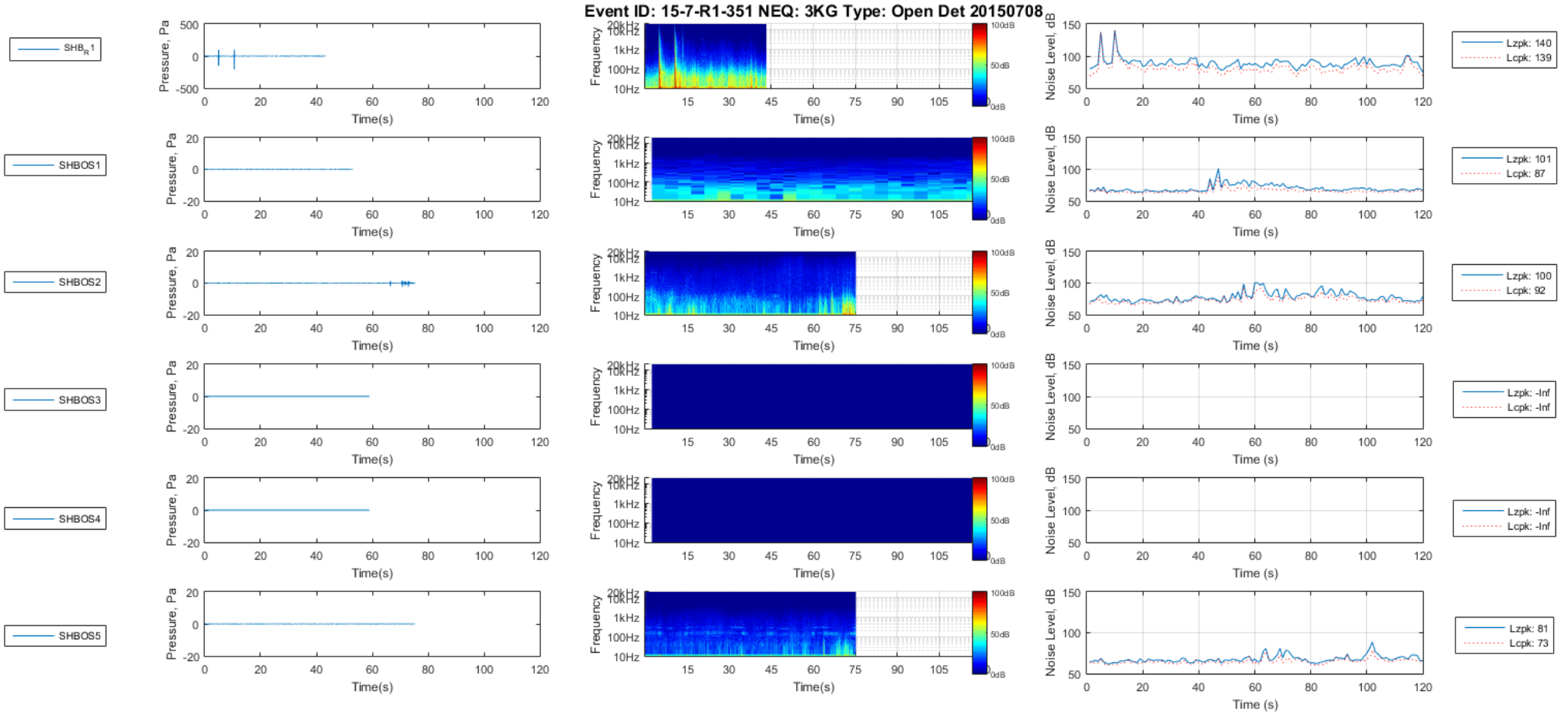


FIGURE 2.196: SHB_OS 1 - 5 15-7-R1-351

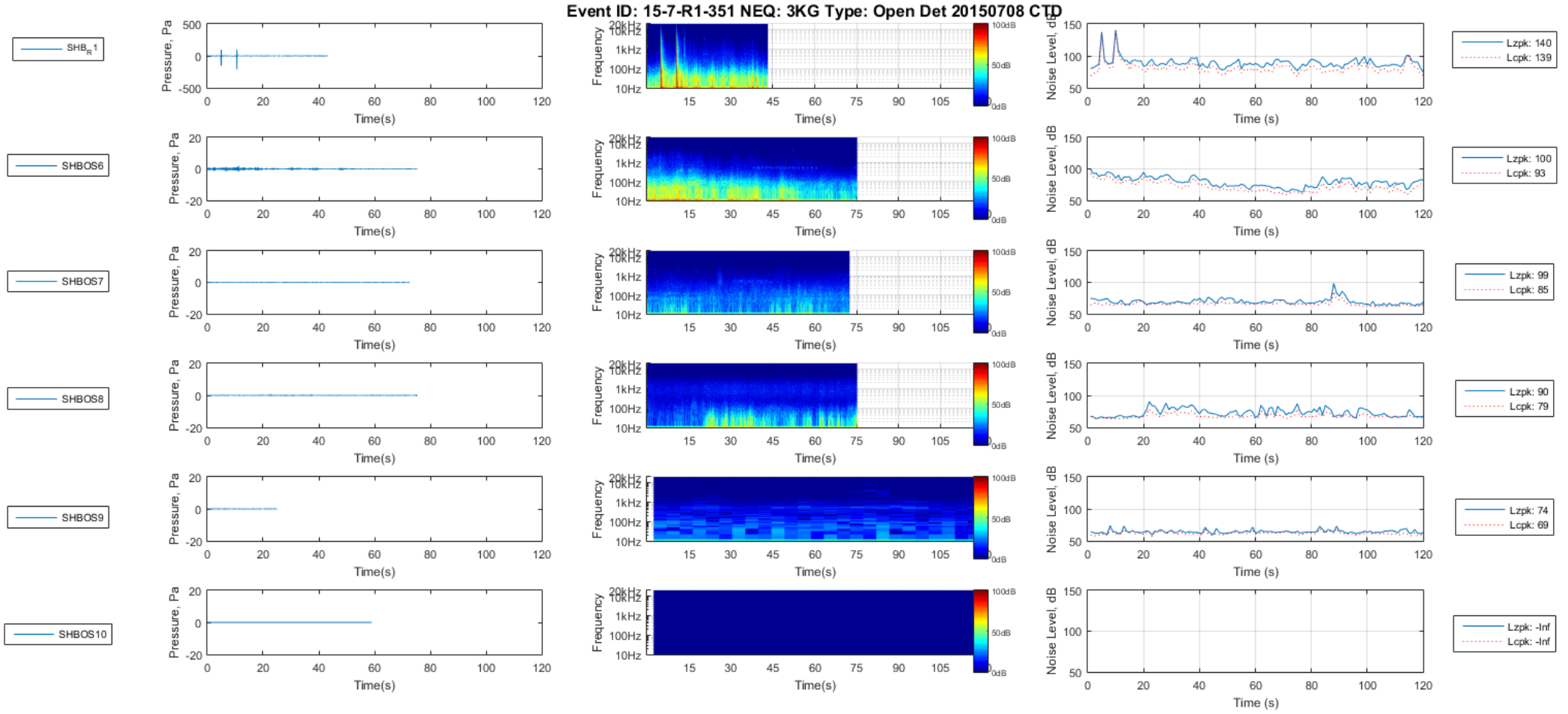


FIGURE 2.197: SHB_OS 6 - 10 15-7-R1-351

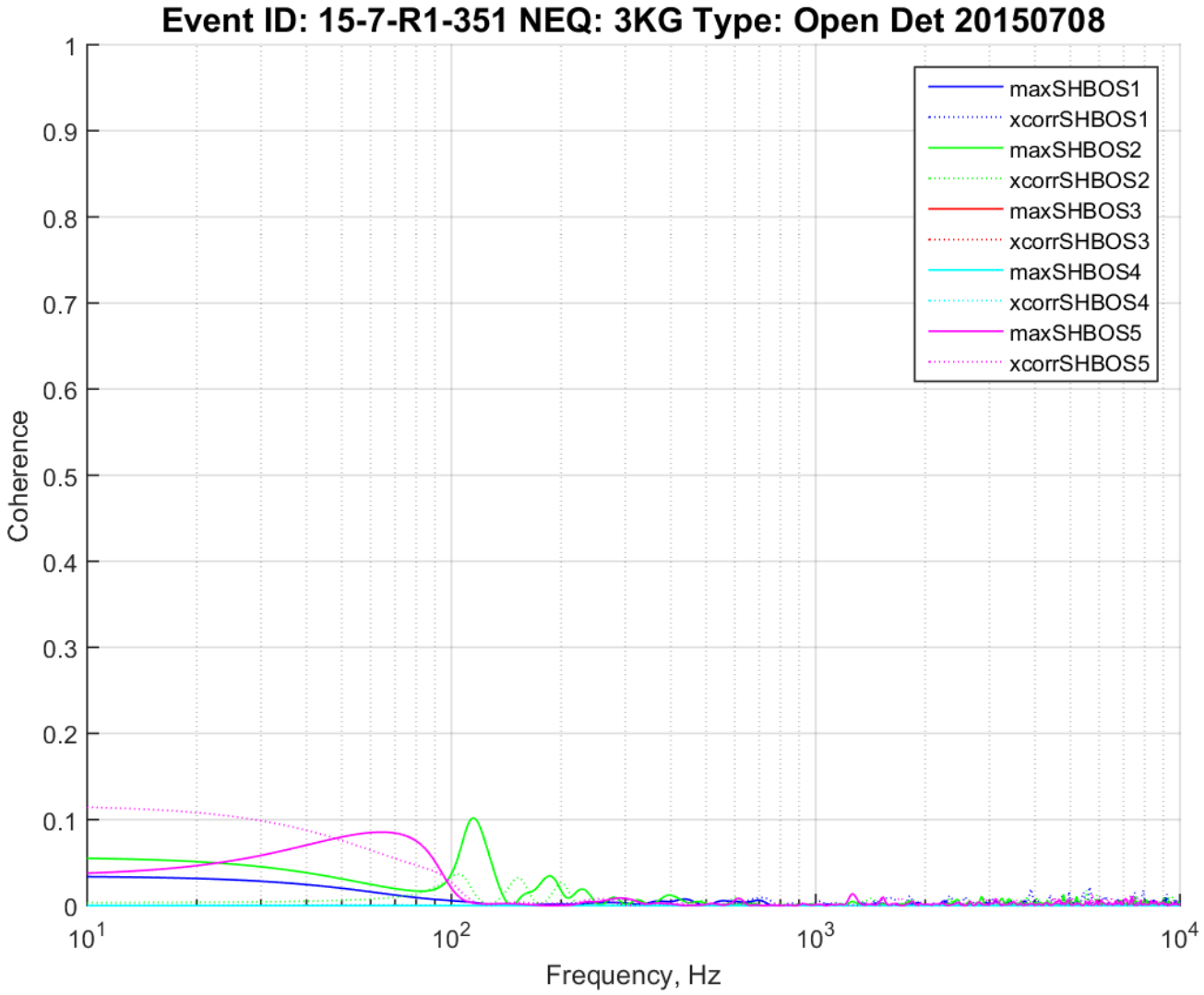


FIGURE 2.198: COHERENCE SHB_OS 1 - 5 15-7-R1-351

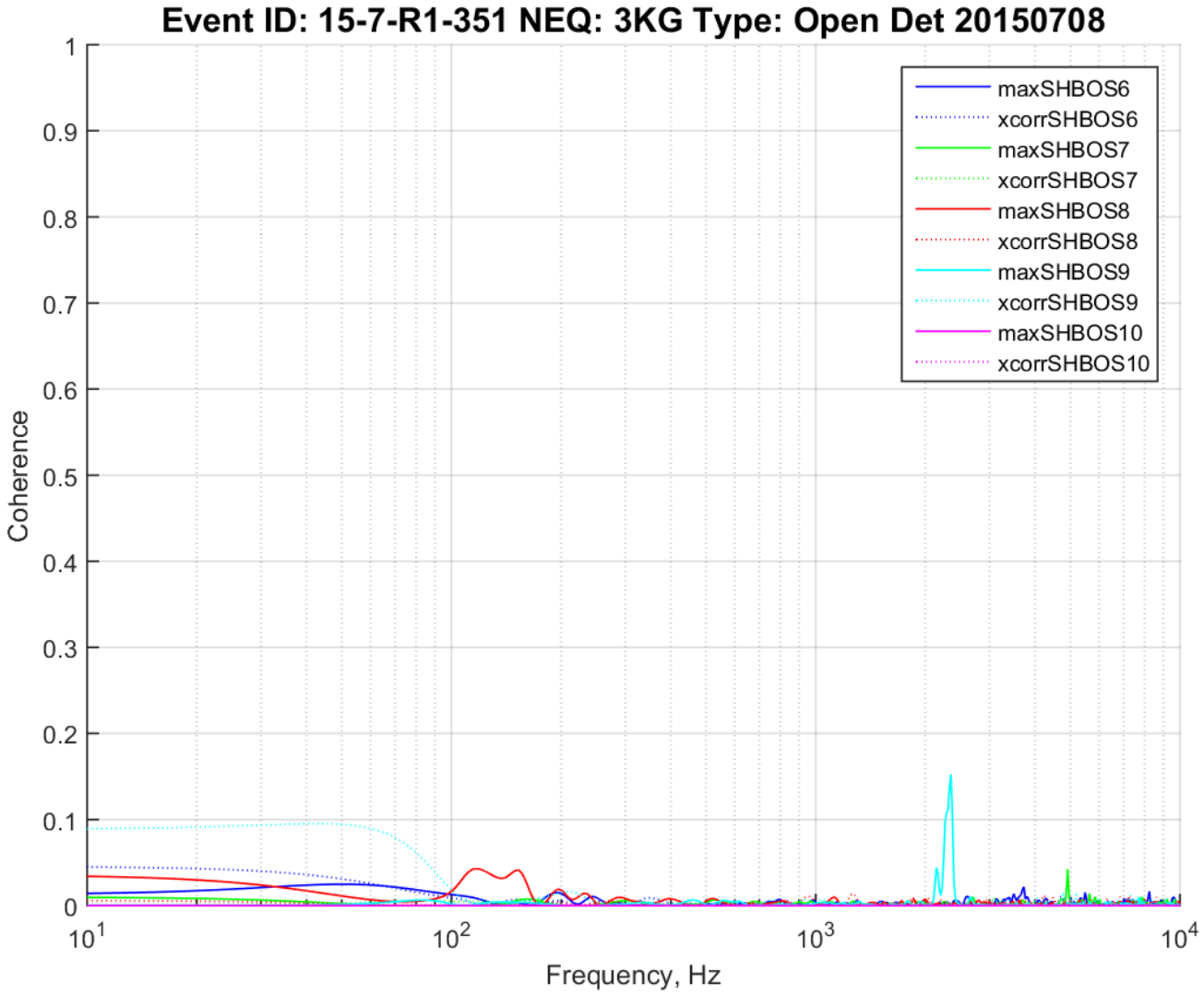


FIGURE 2.199: COHERENCE SHB_OS 6 - 10 15-7-R1-351CTD

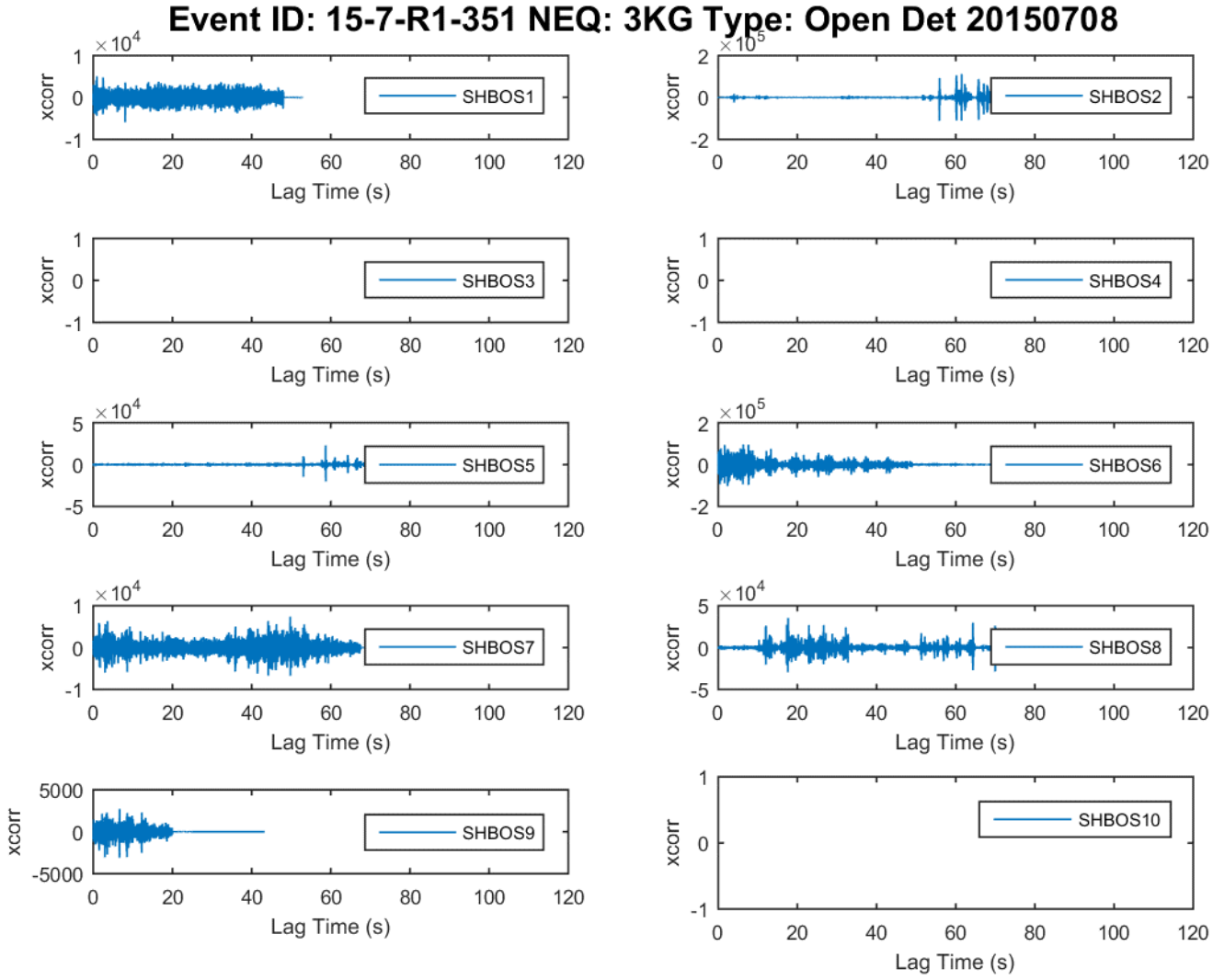


FIGURE 2.200: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-351

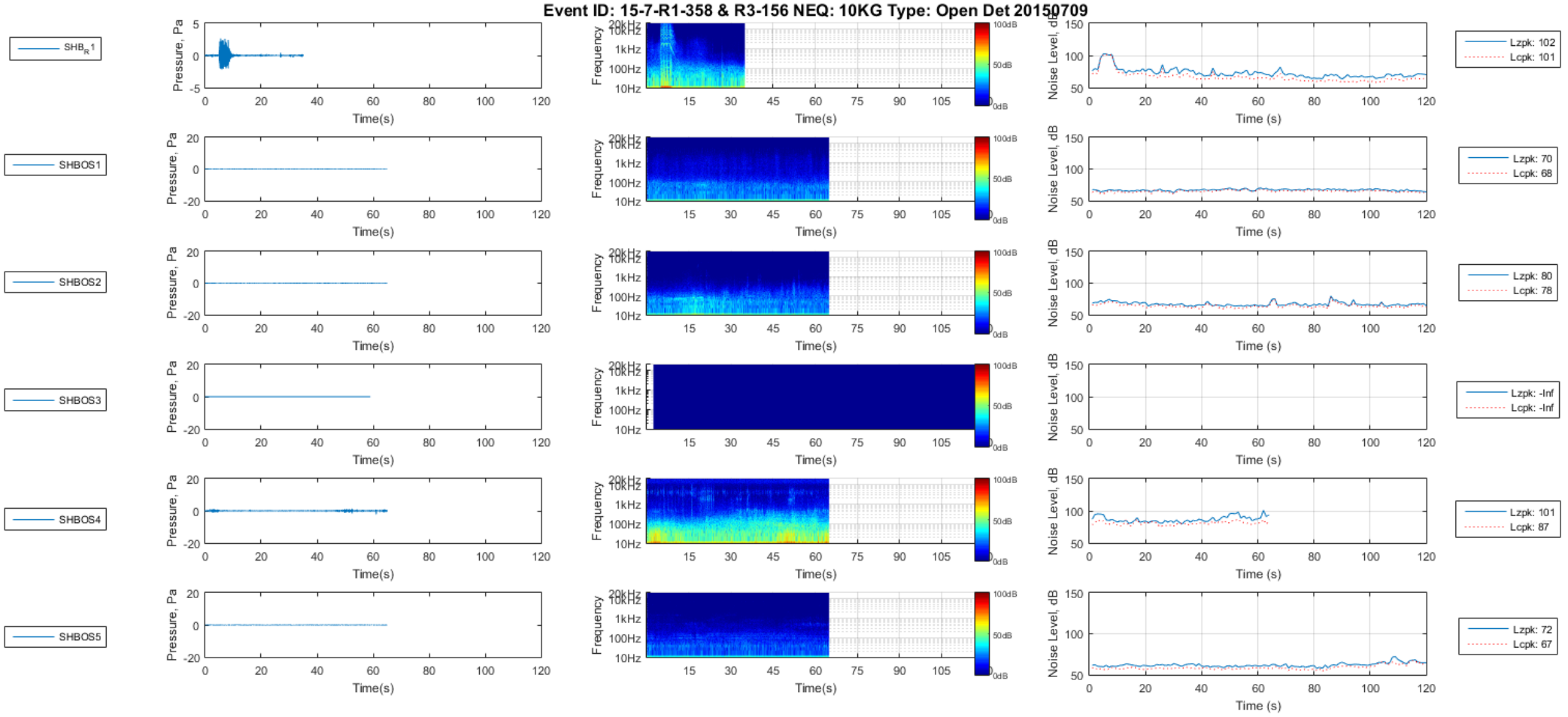


FIGURE 2.201: SHB_OS 1 - 5 15-7-R1-358 & R3-156

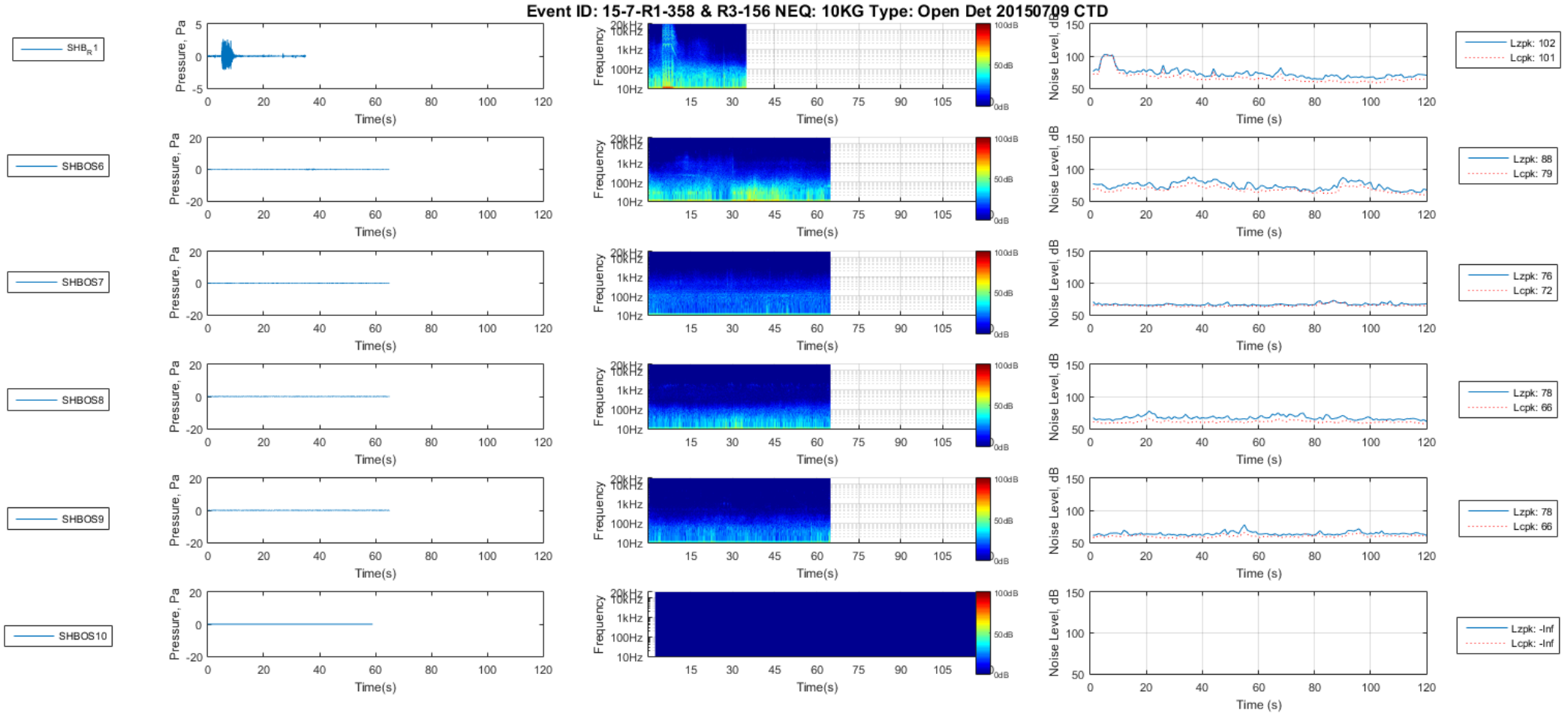


FIGURE 2.202: SHB_OS 6 - 10 15-7-R1-358 & R3-156

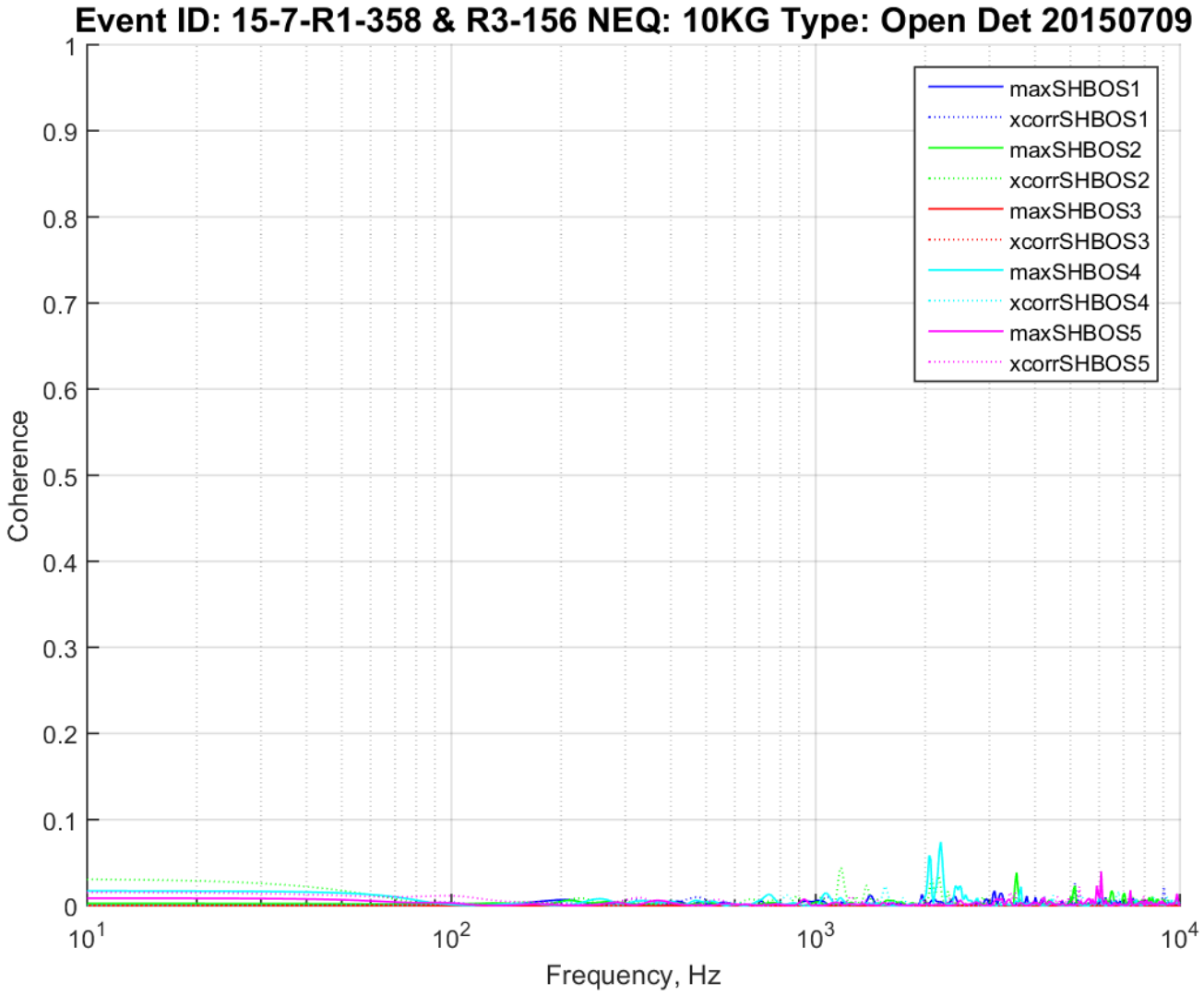


FIGURE 2.203: COHERENCE SHB_OS 1 - 5 15-7-R1-358 & R3-156

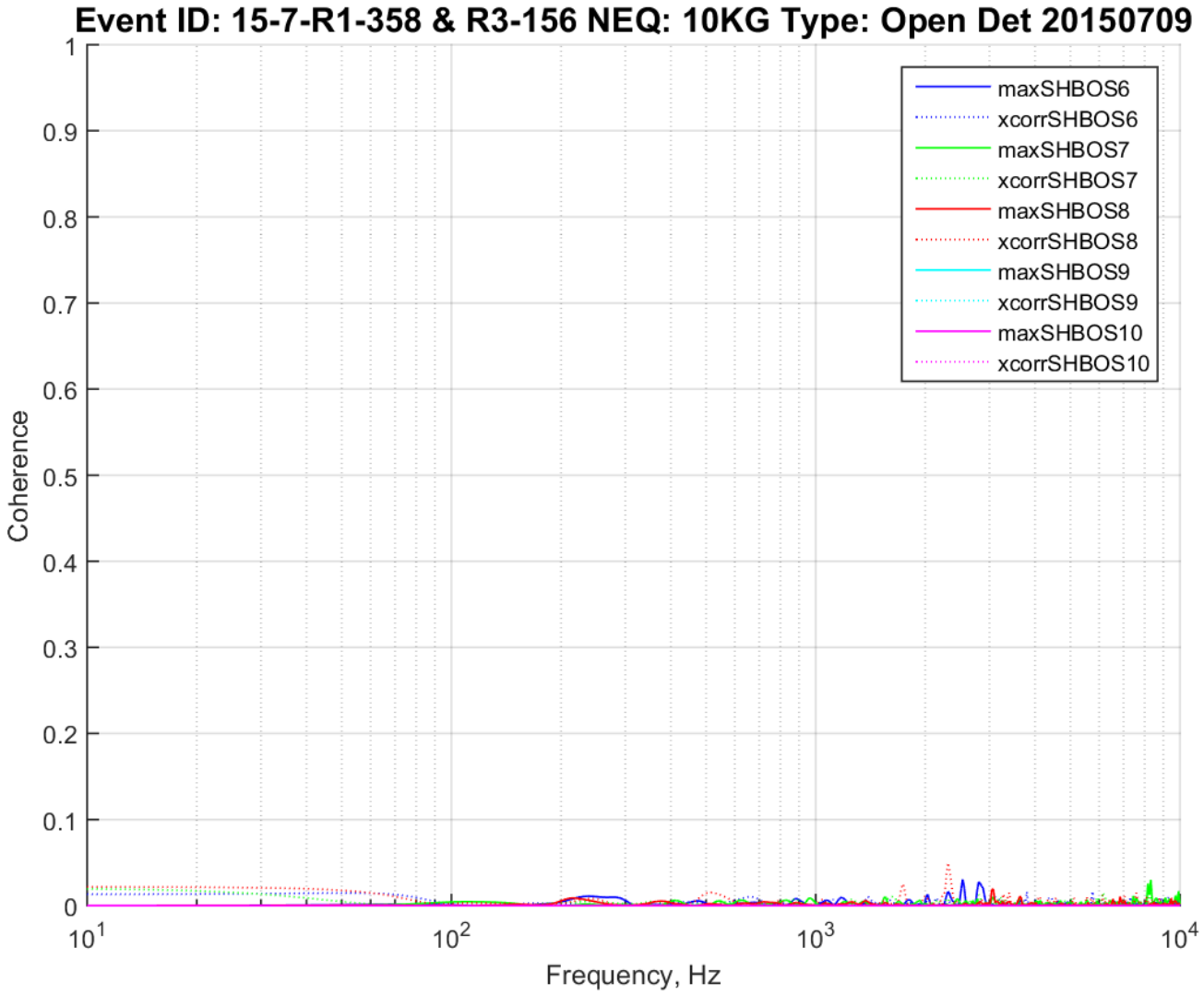


FIGURE 2.204: COHERENCE SHB_OS 6 - 10 15-7-R1-358 & R3-156CTD

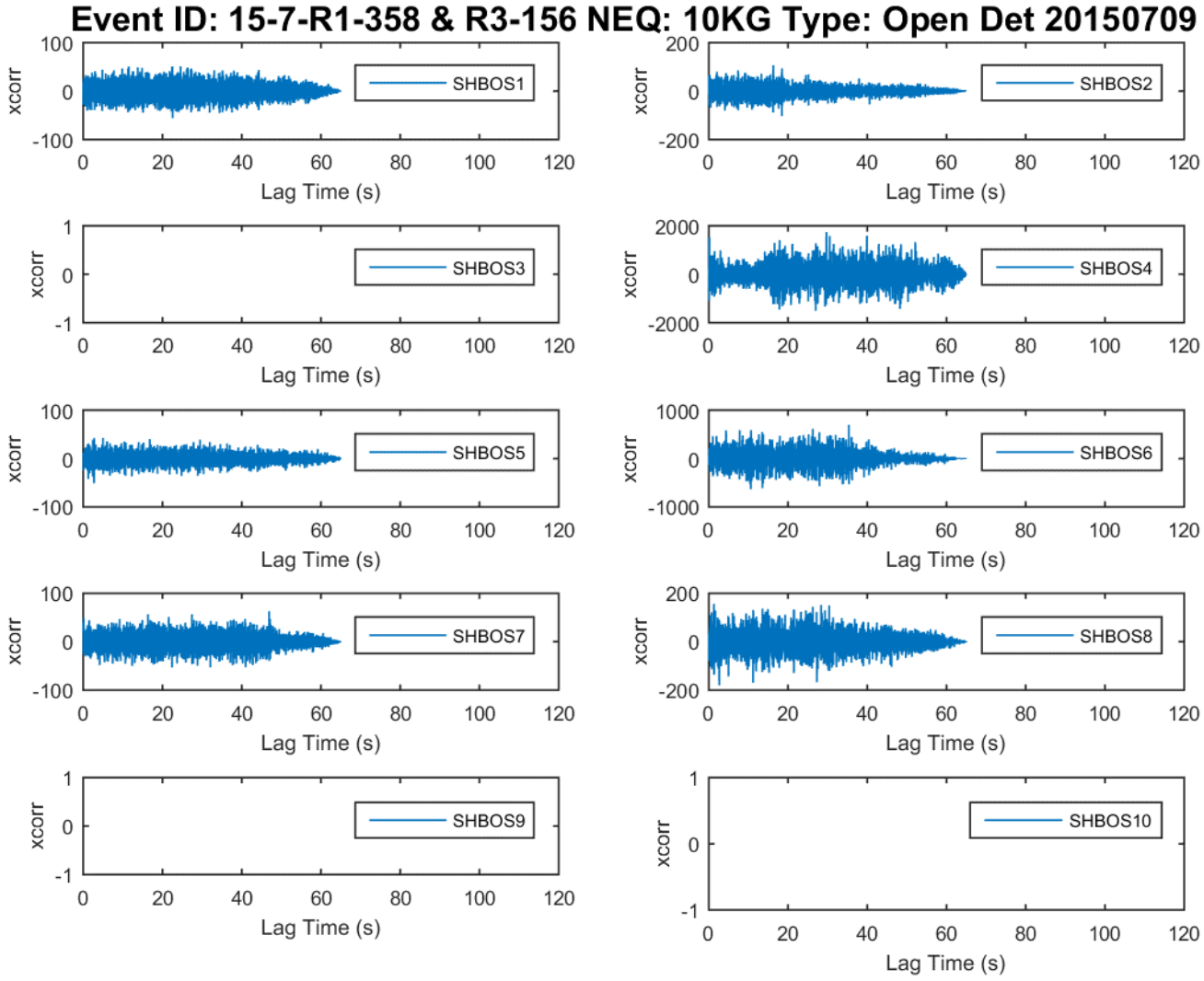
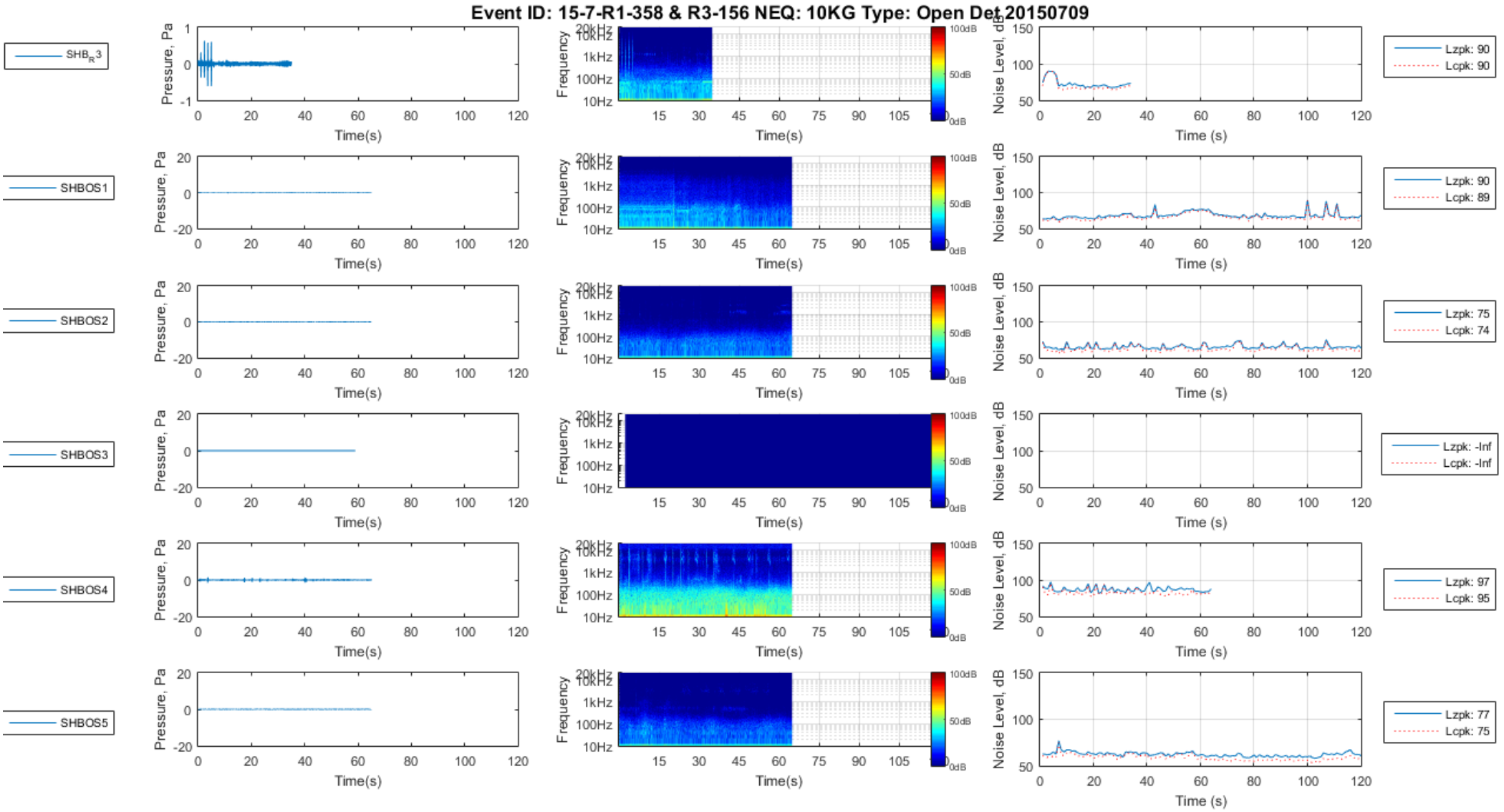
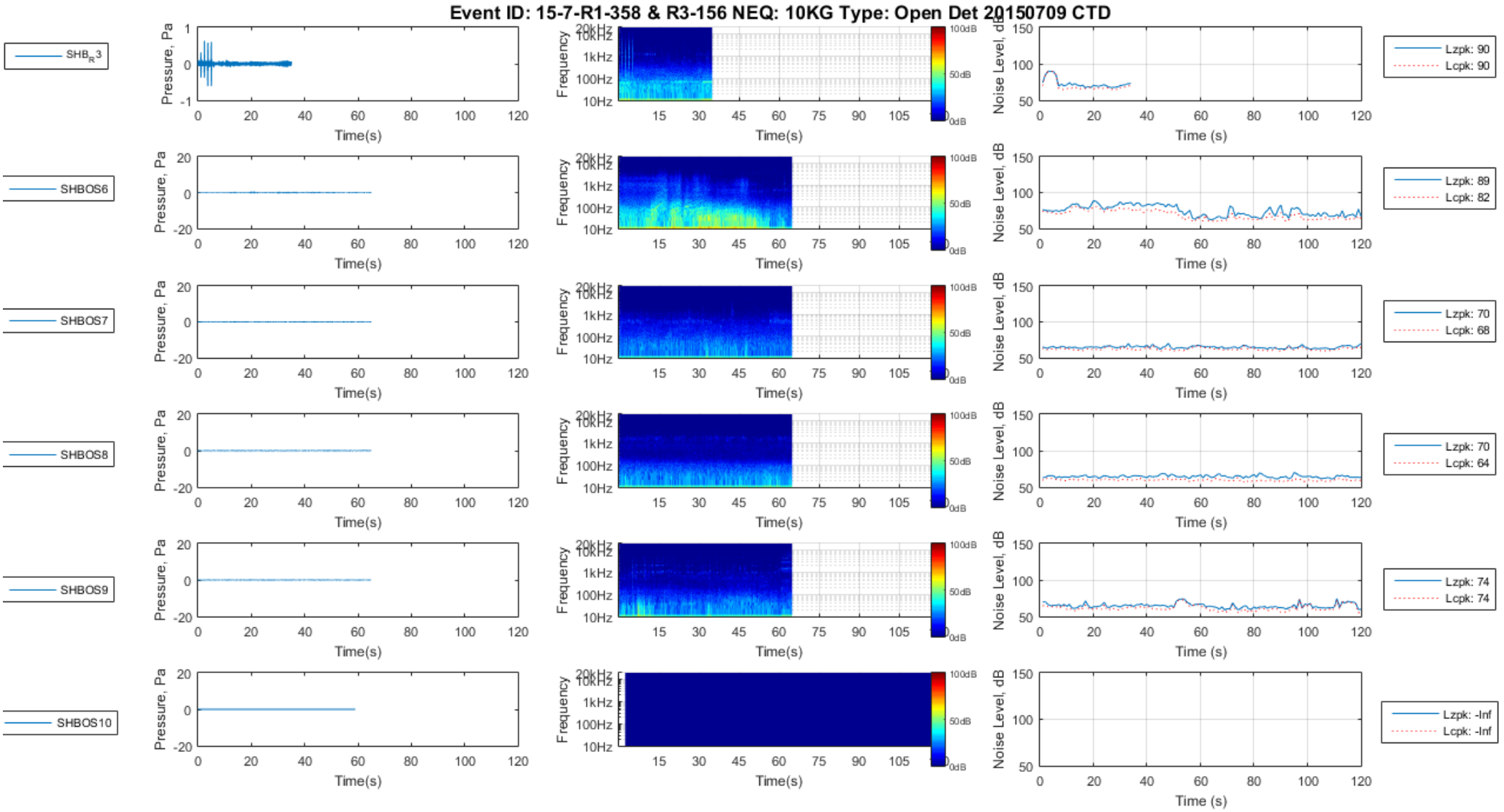


FIGURE 2.205: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-358 & R3-156


Event ID: 15-7-R1-358 & R3-156 NEQ: 10KG Type: Open Det 20150709
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 90
Lcpk: 90
Lzpk: 90
Lcpk: 89
Lzpk: 75
Lcpk: 74
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 97
Lcpk: 95
Lzpk: 77
Lcpk: 75


Event ID: 15-7-R1-358 & R3-156 NEQ: 10KG Type: Open Det 20150709 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 90
Lcpk: 90
Lzpk: 89
Lcpk: 82
Lzpk: 70
Lcpk: 68
Lzpk: 70
Lcpk: 64
Lzpk: 74
Lcpk: 74
Lzpk: -Inf
Lcpk: -Inf

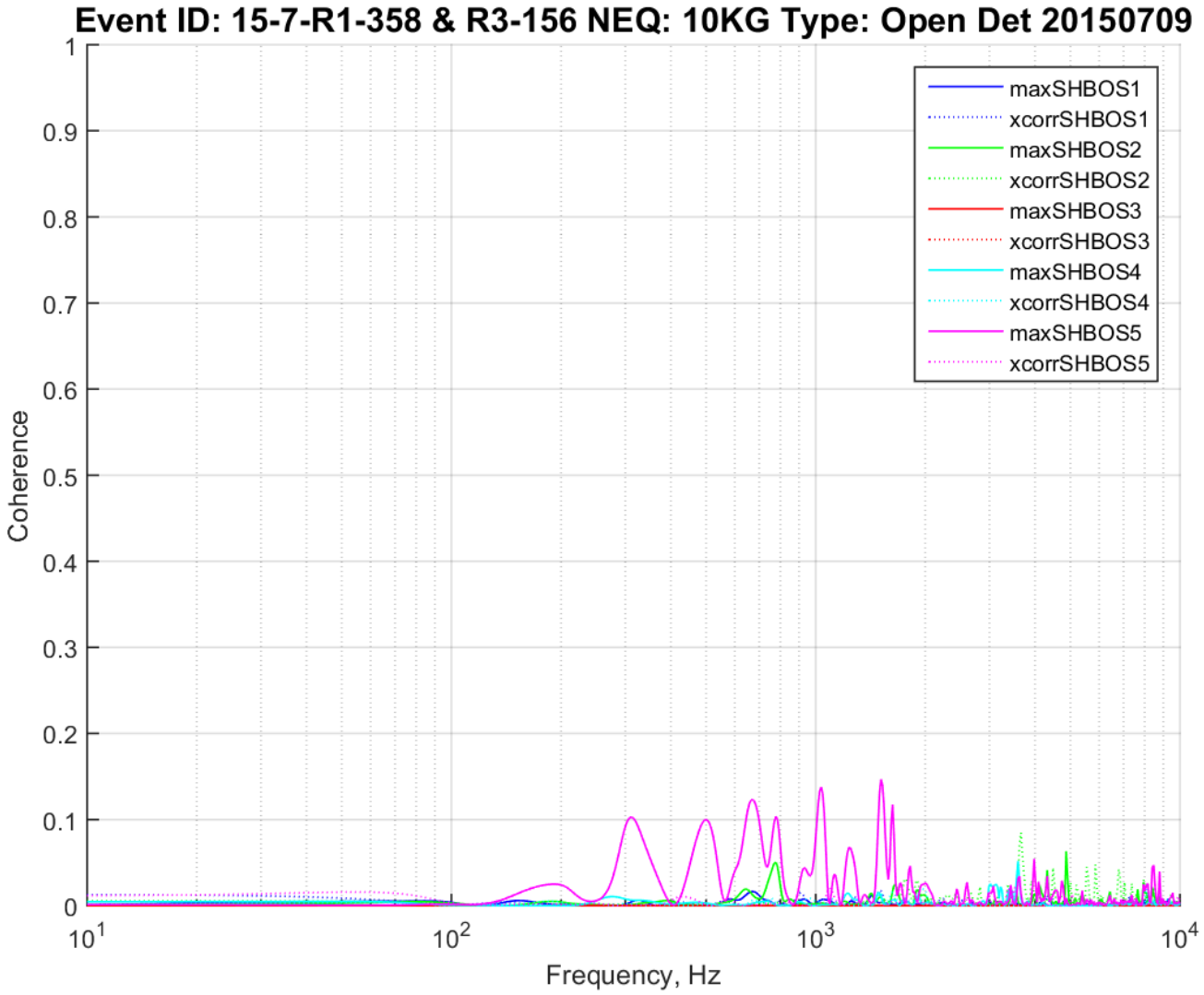


FIGURE 2.208: COHERENCE SHB_OS 1 - 5 15-7-R1-358 & R3-156

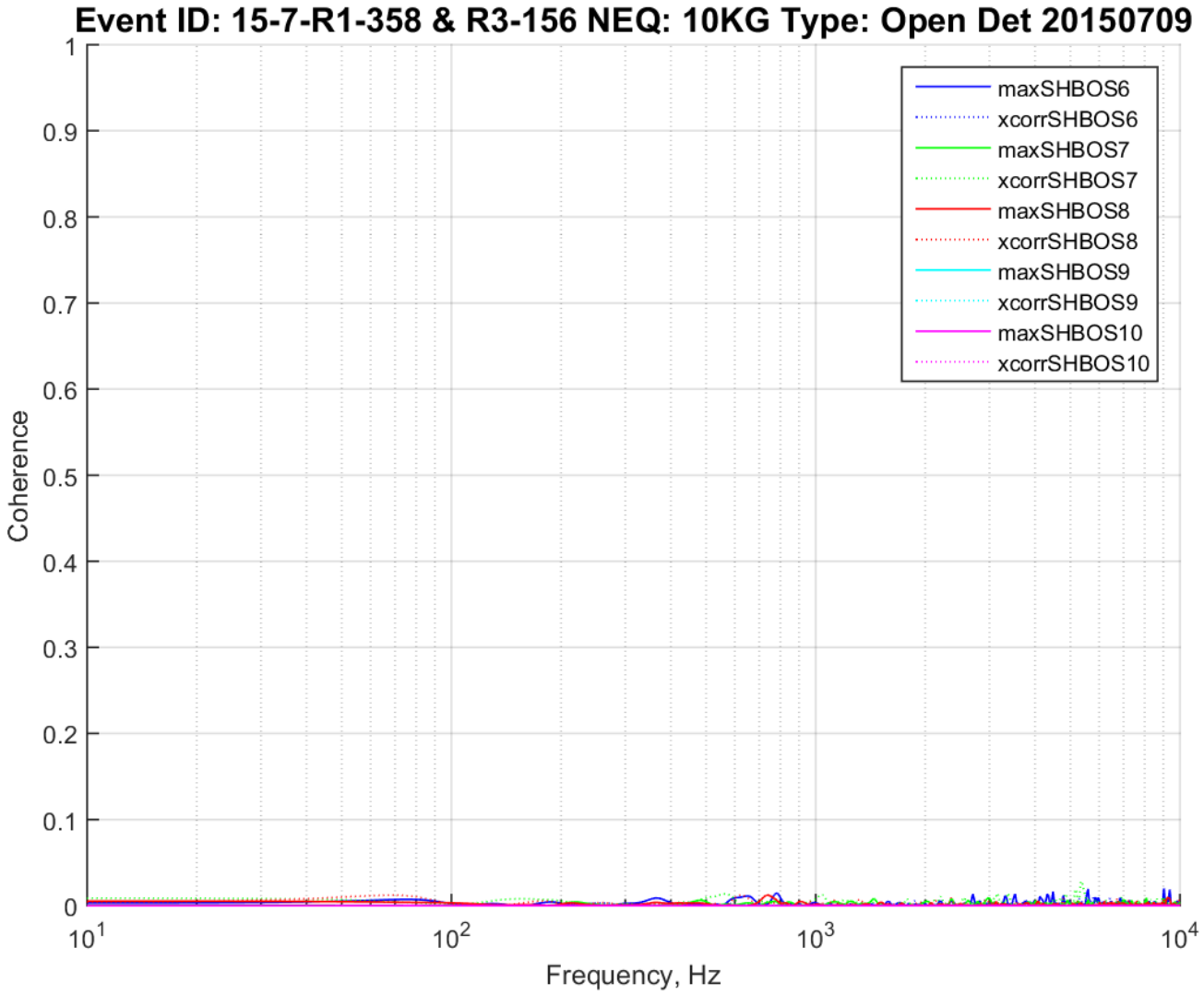


FIGURE 2.209: COHERENCE SHB_OS 6 - 10 15-7-R1-358 & R3-156CTD

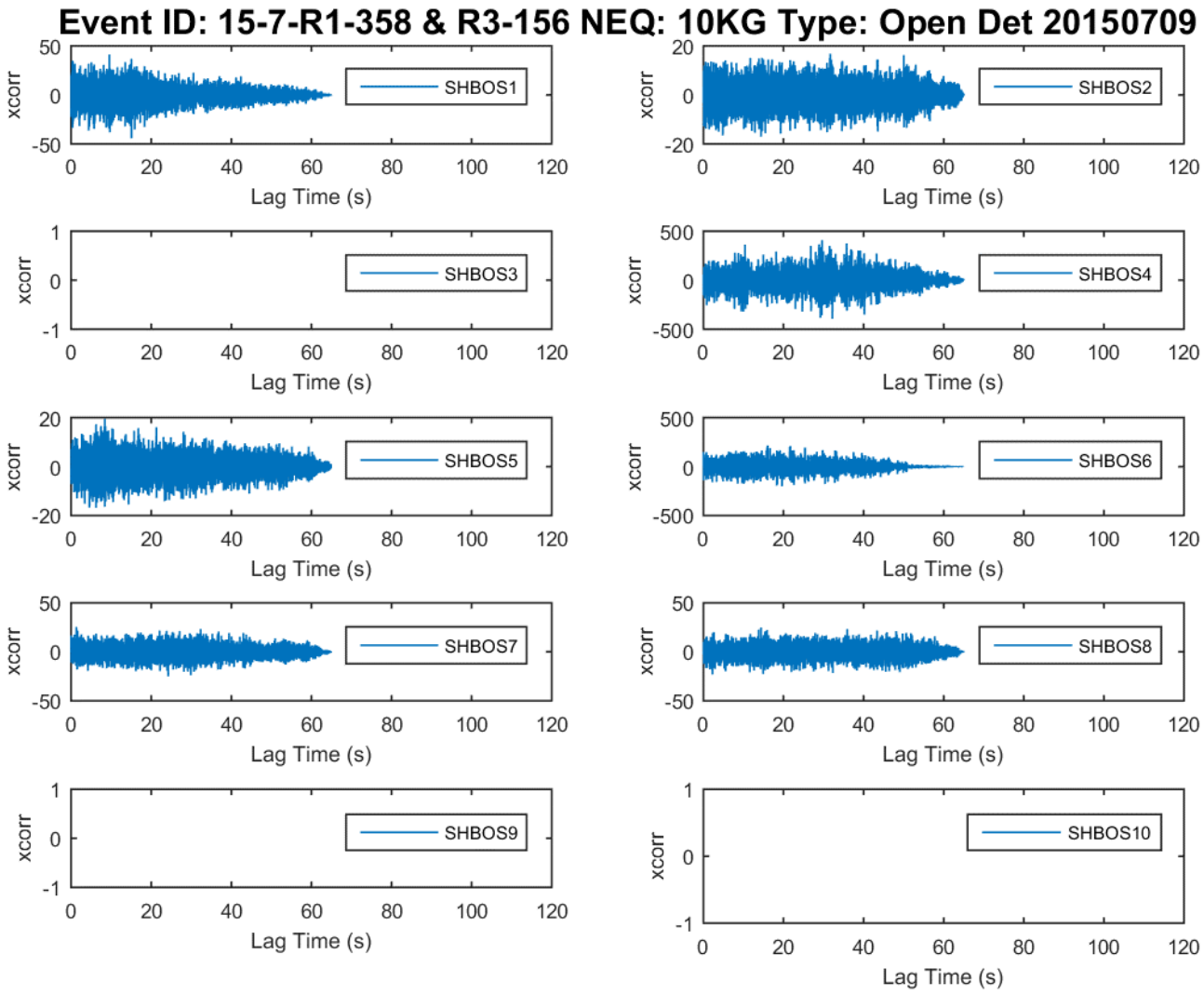
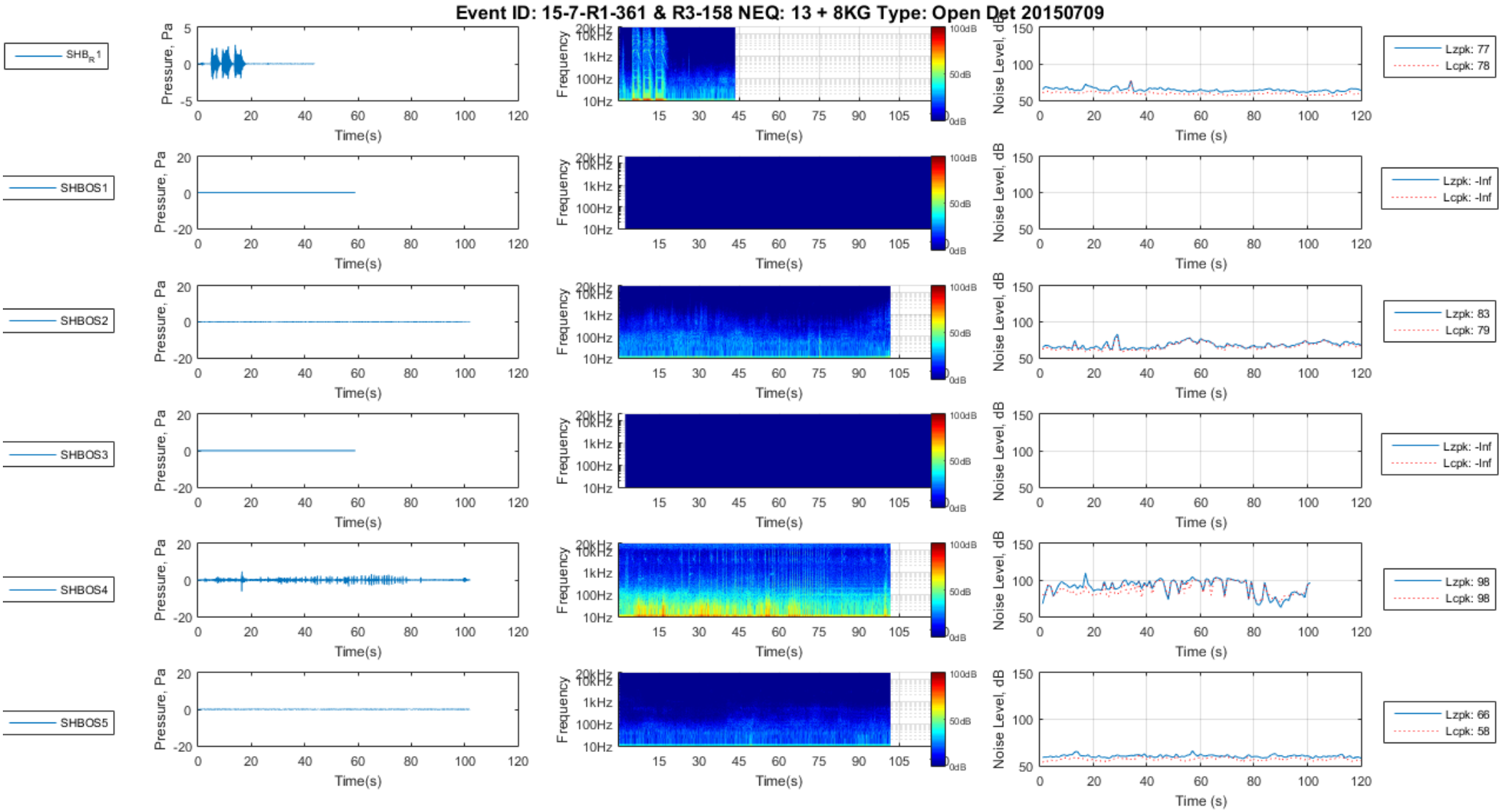
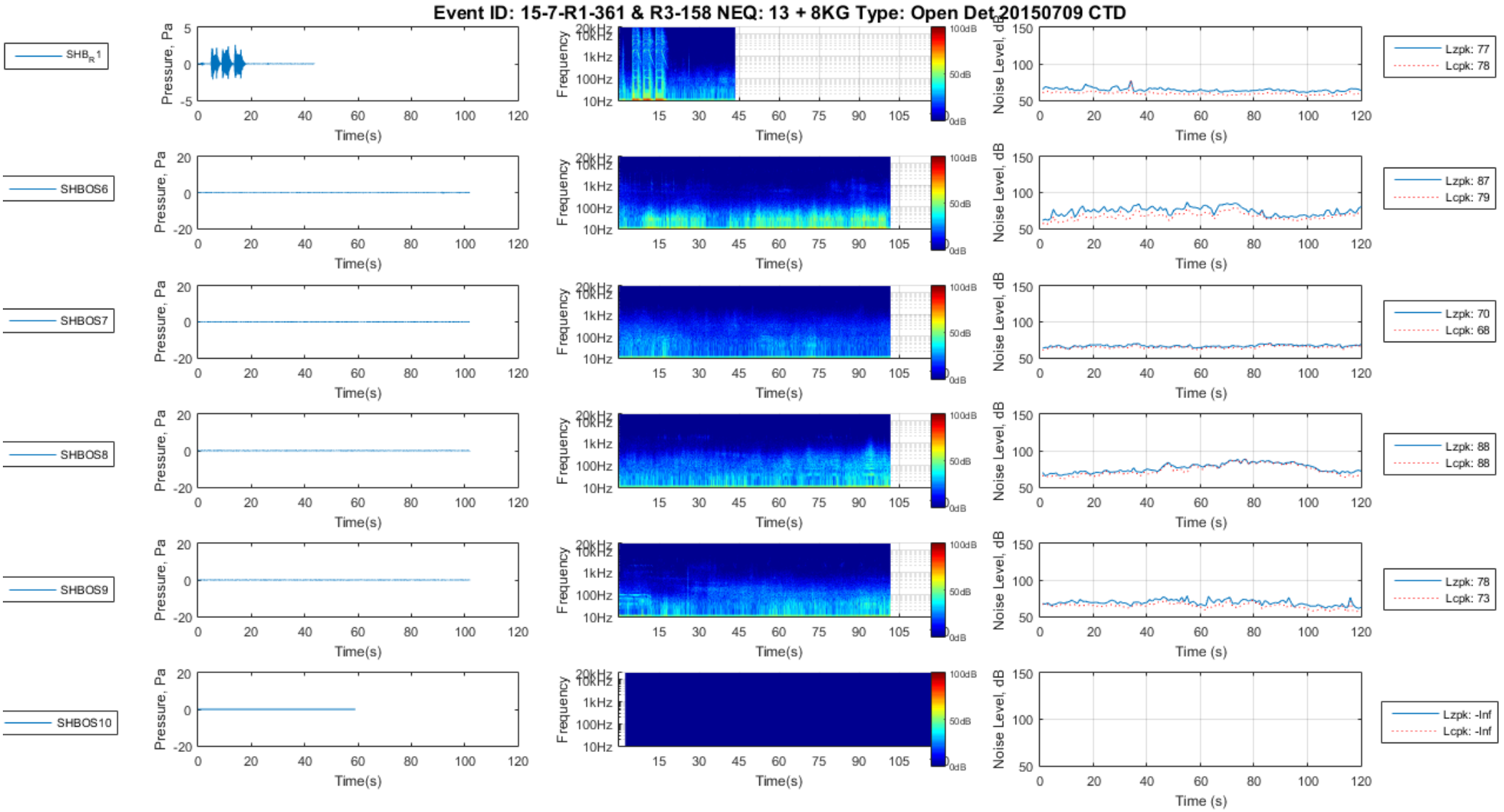


FIGURE 2.210: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-358 & R3-156


Event ID: 15-7-R1-361 & R3-158 NEQ: 13 + 8KG Type: Open Det 20150709
SHB_R1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 77
Lcpk: 78
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 83
Lcpk: 79
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 98
Lcpk: 98
Lzpk: 66
Lcpk: 58


Event ID: 15-7-R1-361 & R3-158 NEQ: 13 + 8KG Type: Open Det 20150709 CTD
SHB$_R$1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 77
Lcpk: 78
Lzpk: 87
Lcpk: 79
Lzpk: 70
Lcpk: 68
Lzpk: 88
Lcpk: 88
Lzpk: 78
Lcpk: 73
Lzpk: -Inf
Lcpk: -Inf

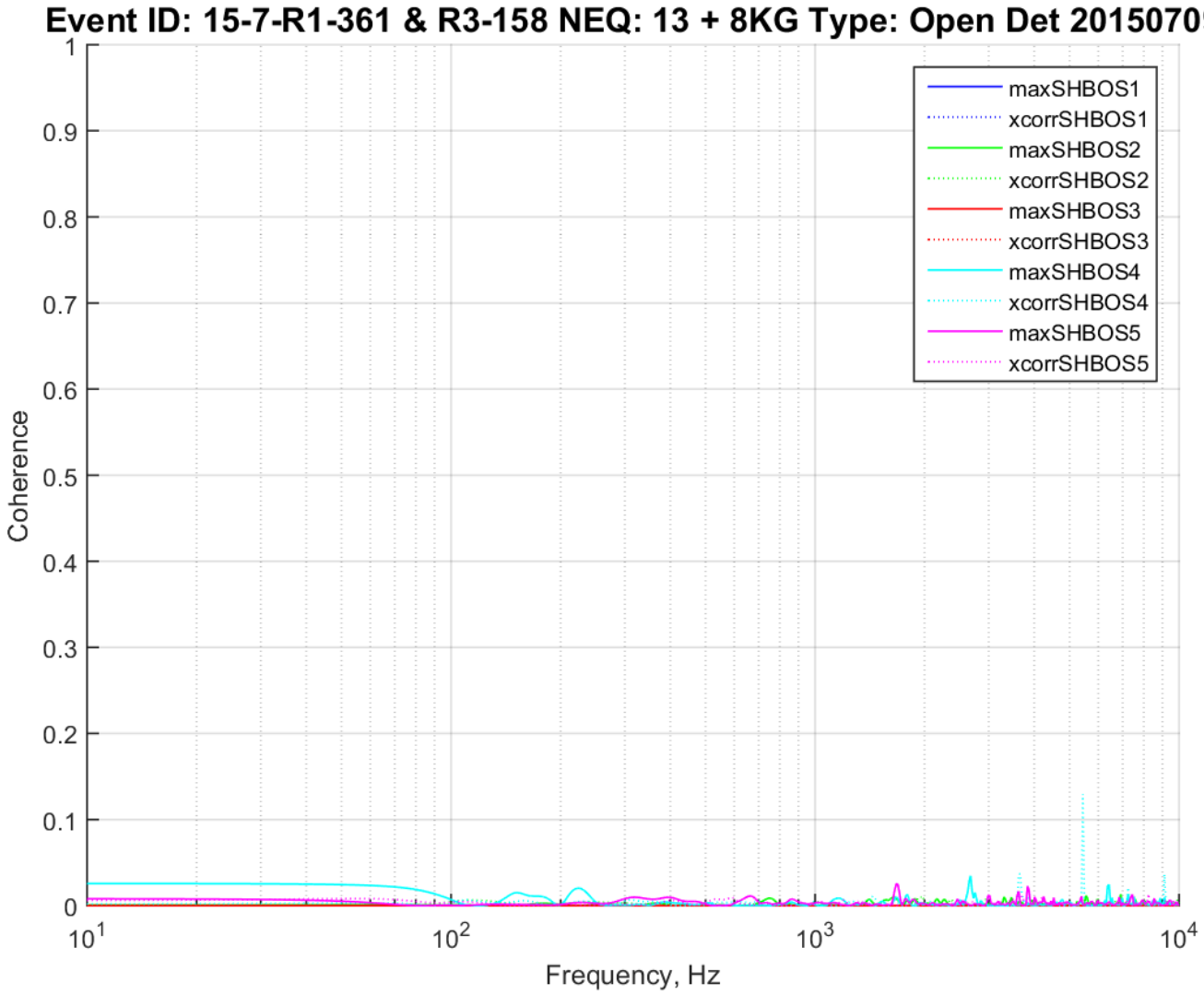


FIGURE 2.213: COHERENCE SHB_OS 1 - 5 15-7-R1-361 & R3-158

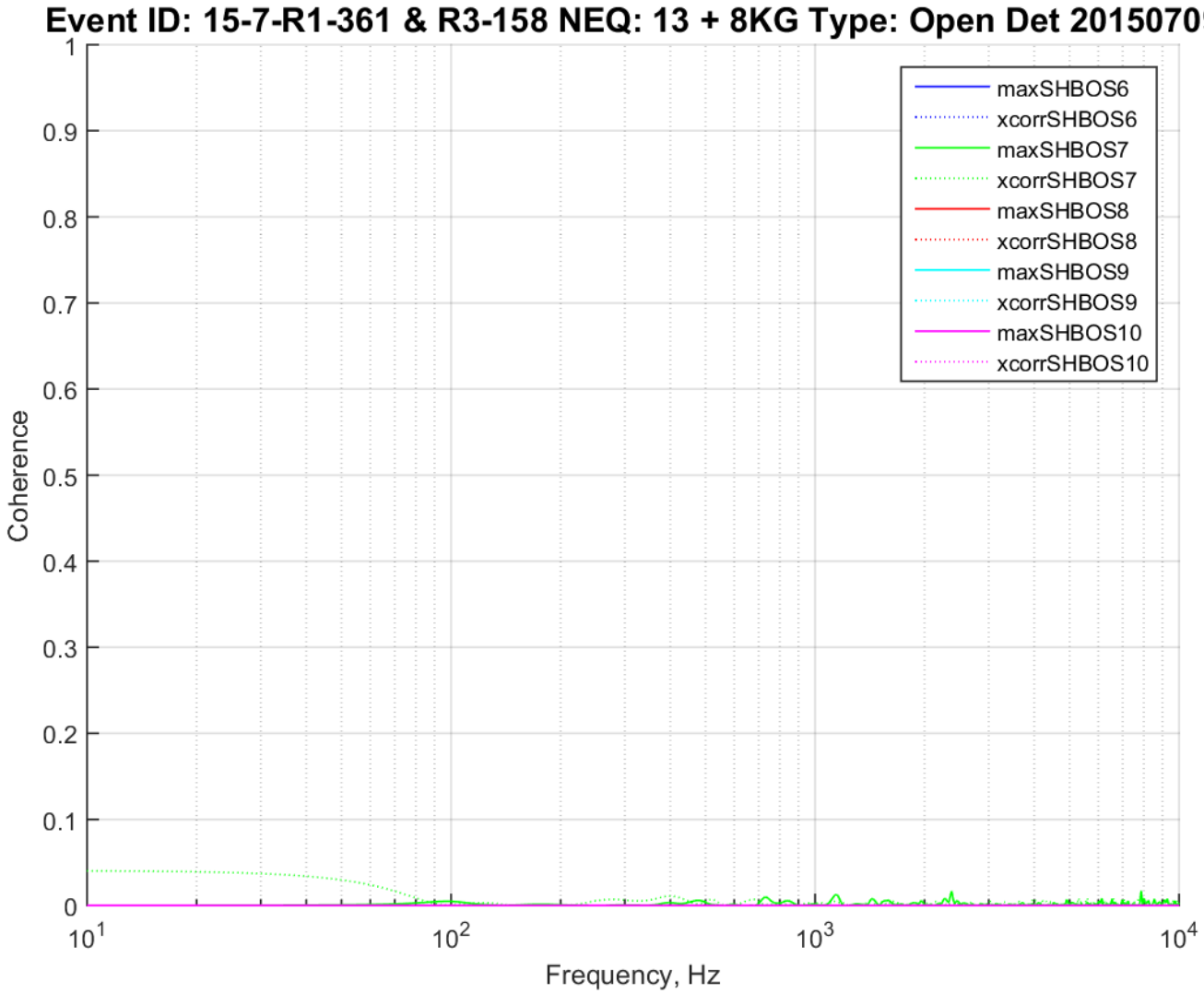


FIGURE 2.214: COHERENCE SHB_OS 6 - 10 15-7-R1-361 & R3-158CTD

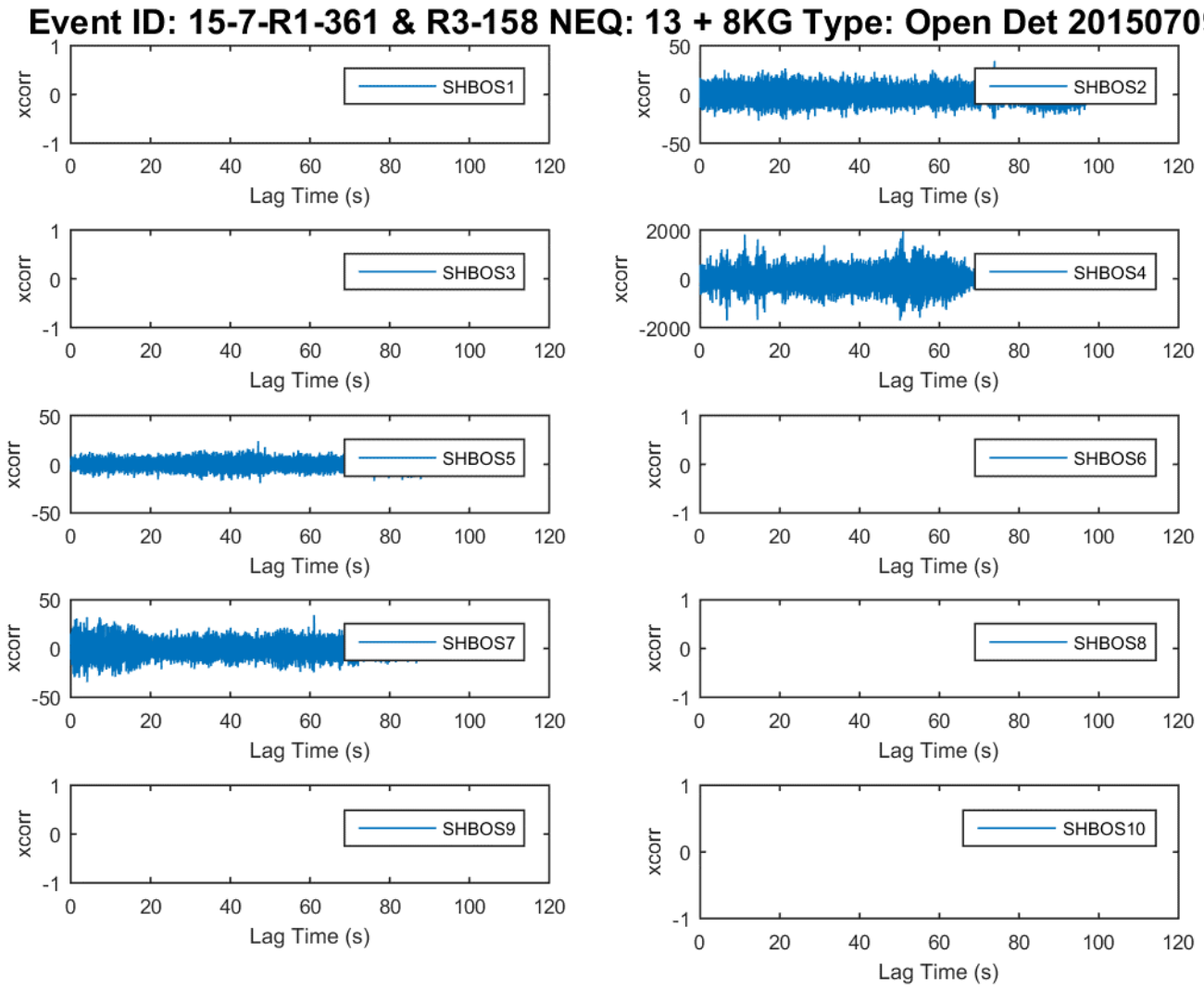


FIGURE 2.215: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-361 & R3-158

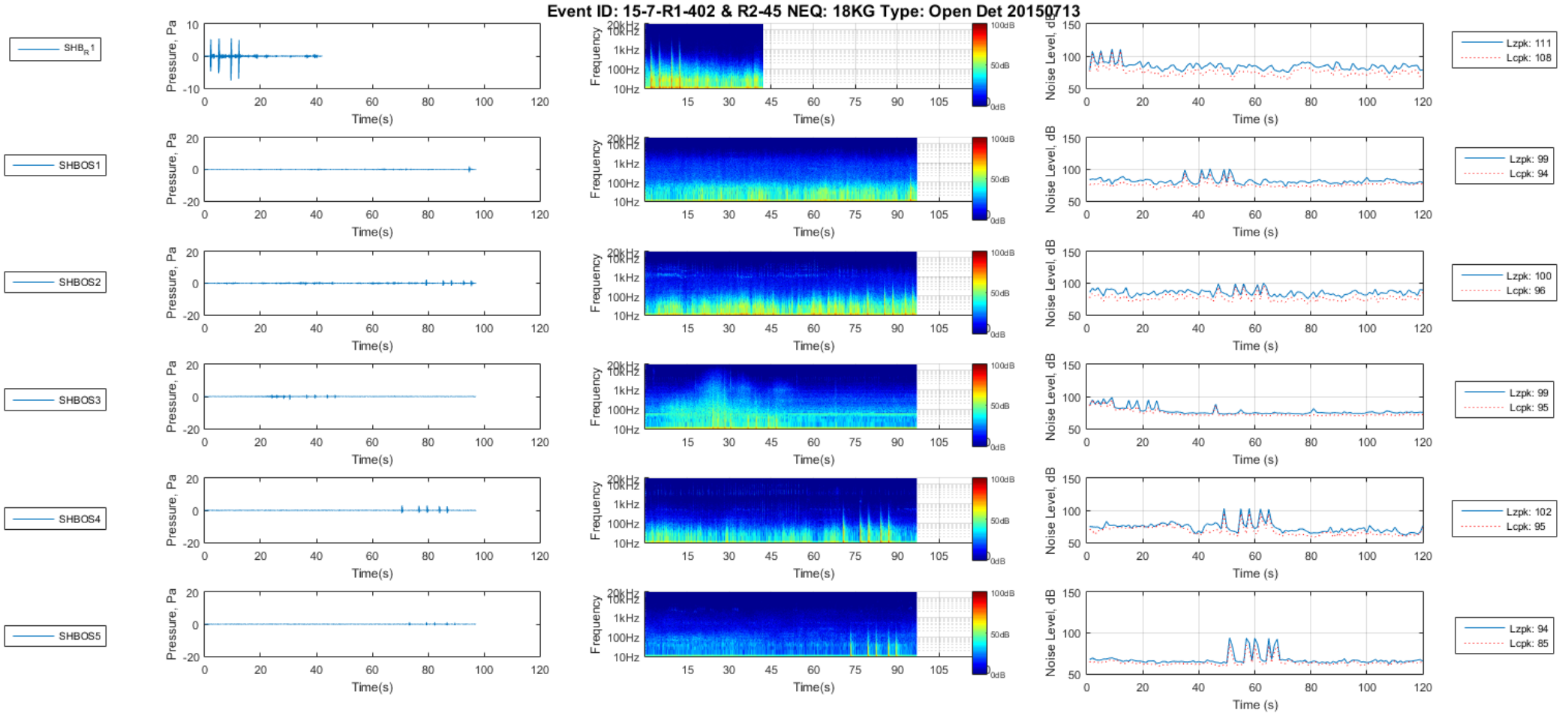


FIGURE 2.216: SHB_OS 1 - 5 15-7-R1-402 & R2-45

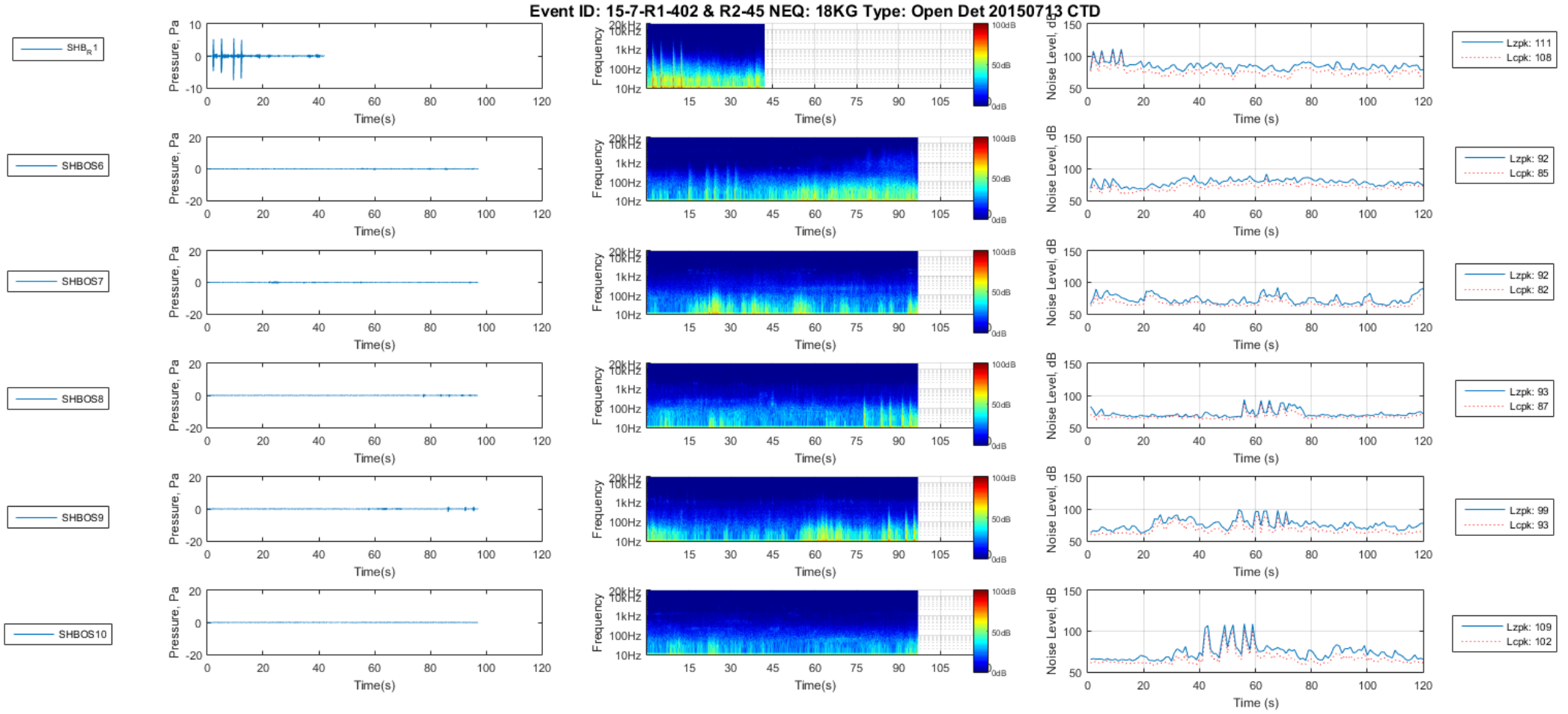


FIGURE 2.217: SHB_OS 6 - 10 15-7-R1-402 & R2-45

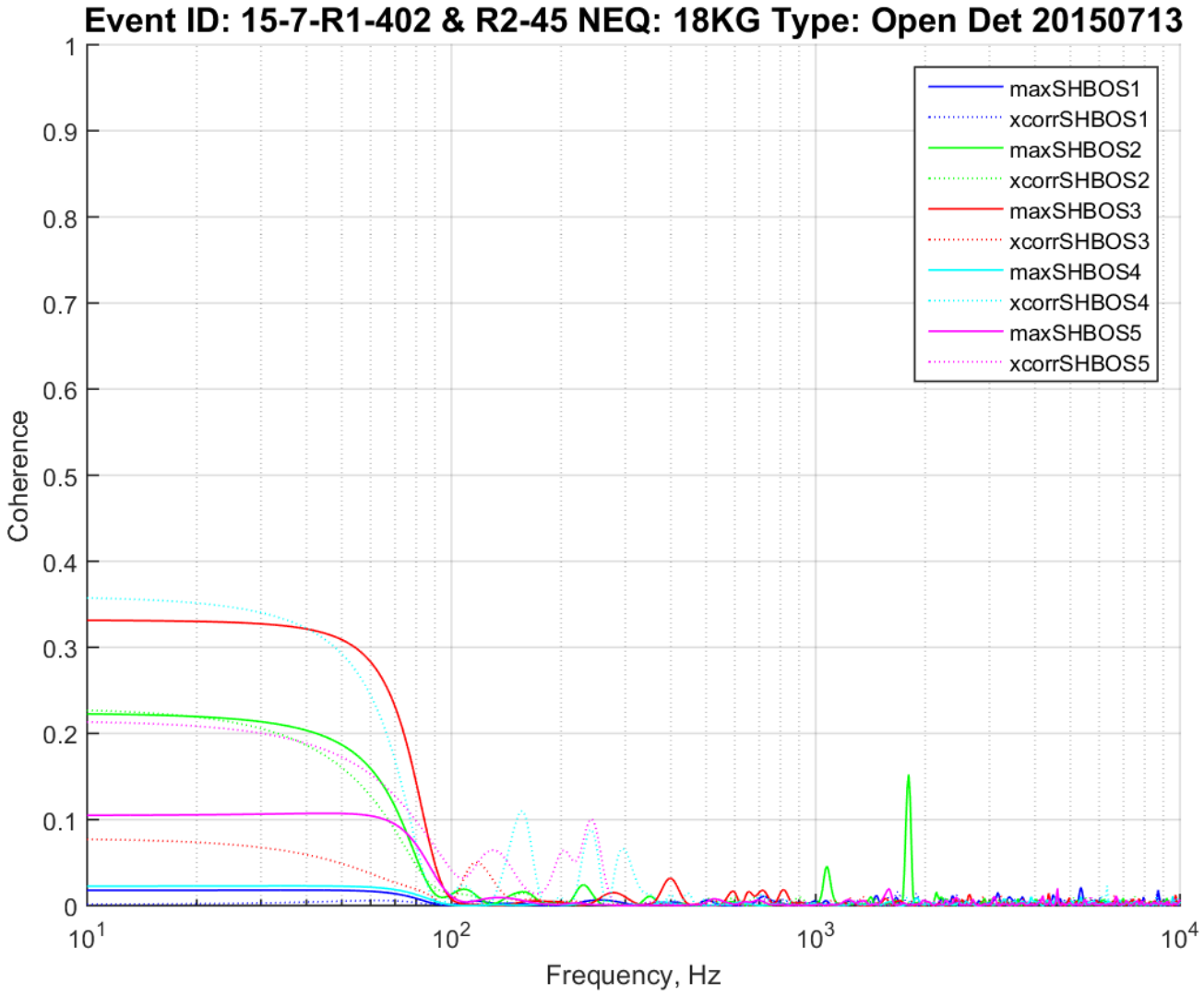


FIGURE 2.218: COHERENCE SHB_OS 1 - 5 15-7-R1-402 & R2-45

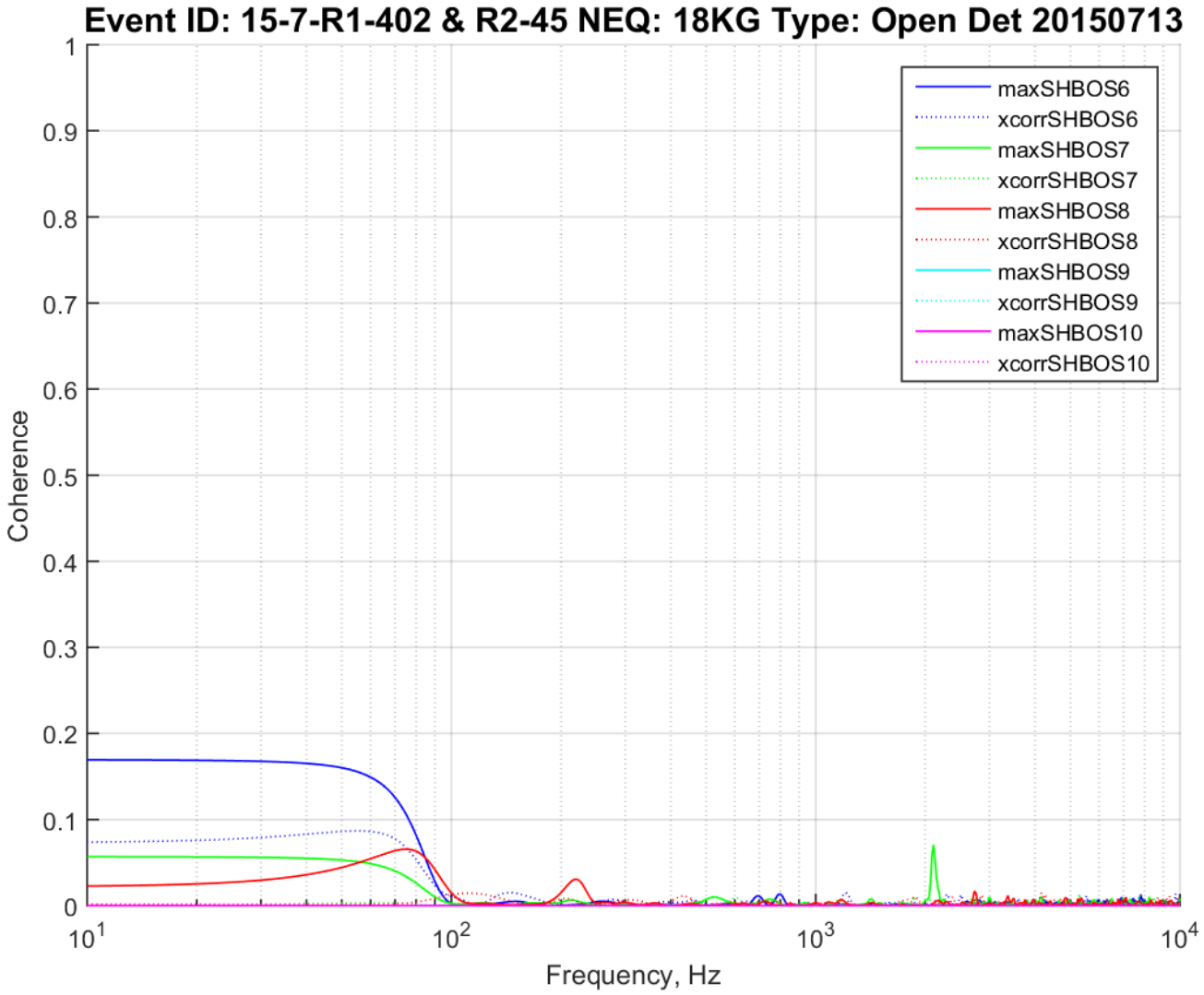


FIGURE 2.219: COHERENCE SHB_OS 6 - 10 15-7-R1-402 & R2-45CTD

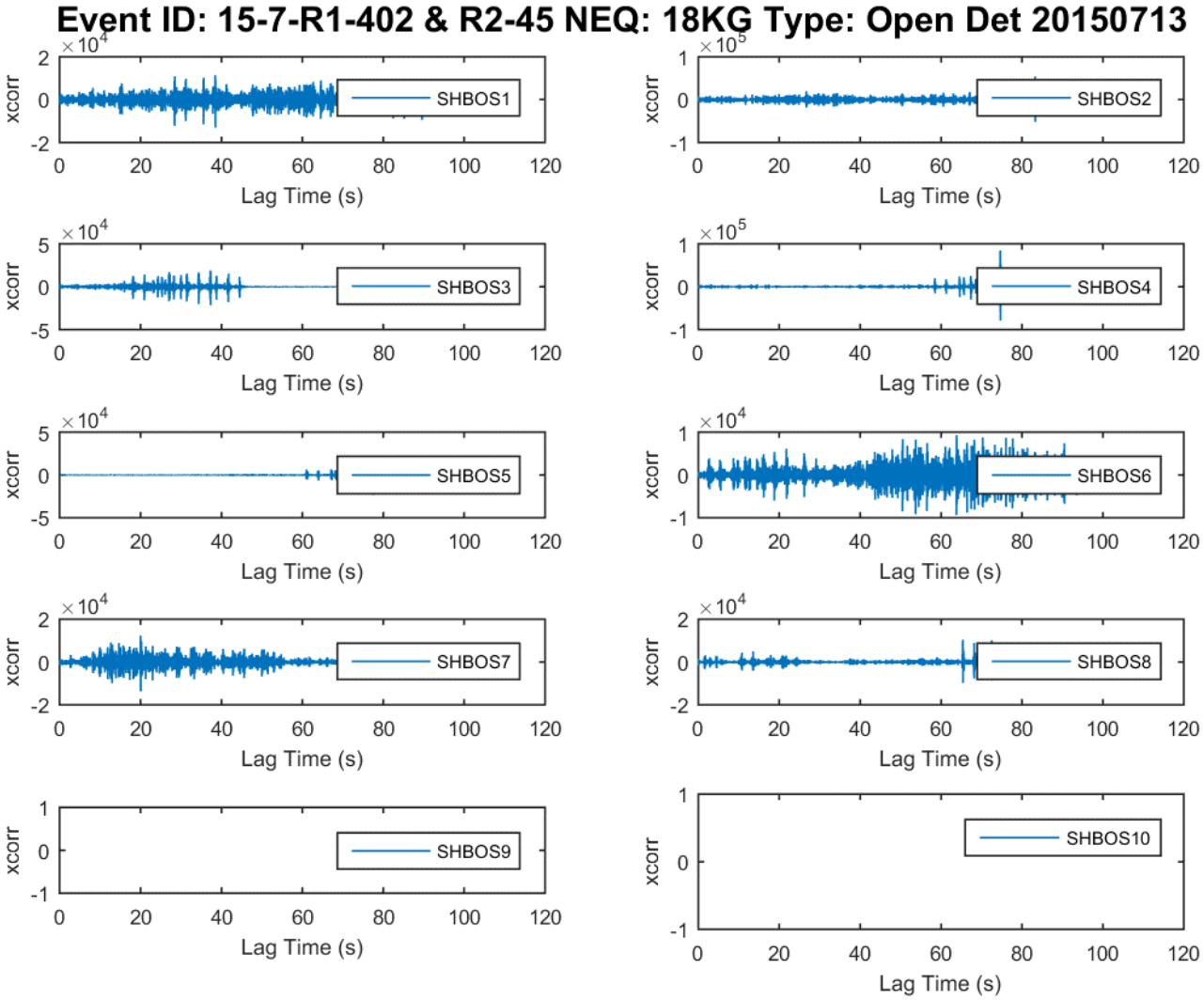
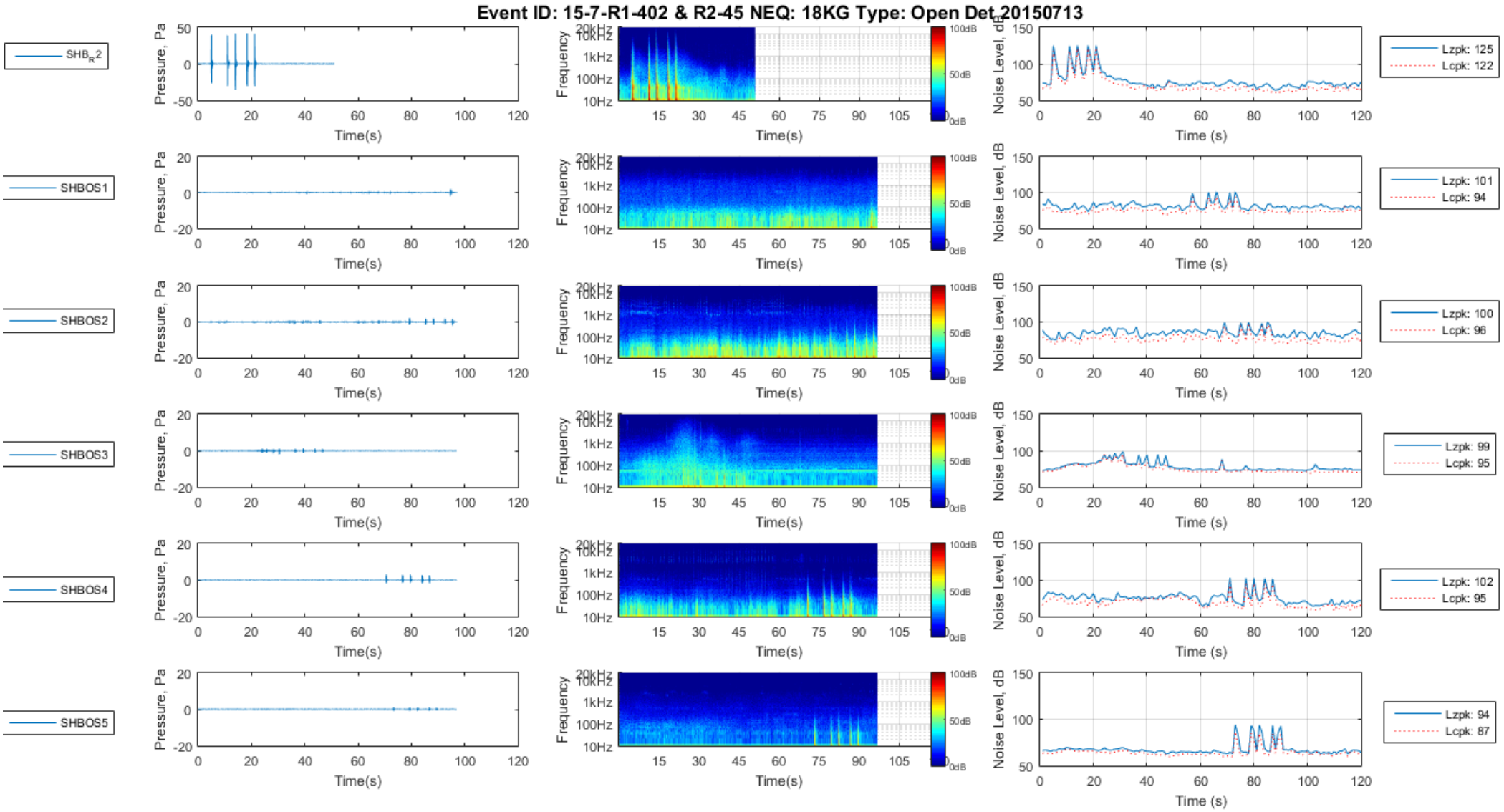
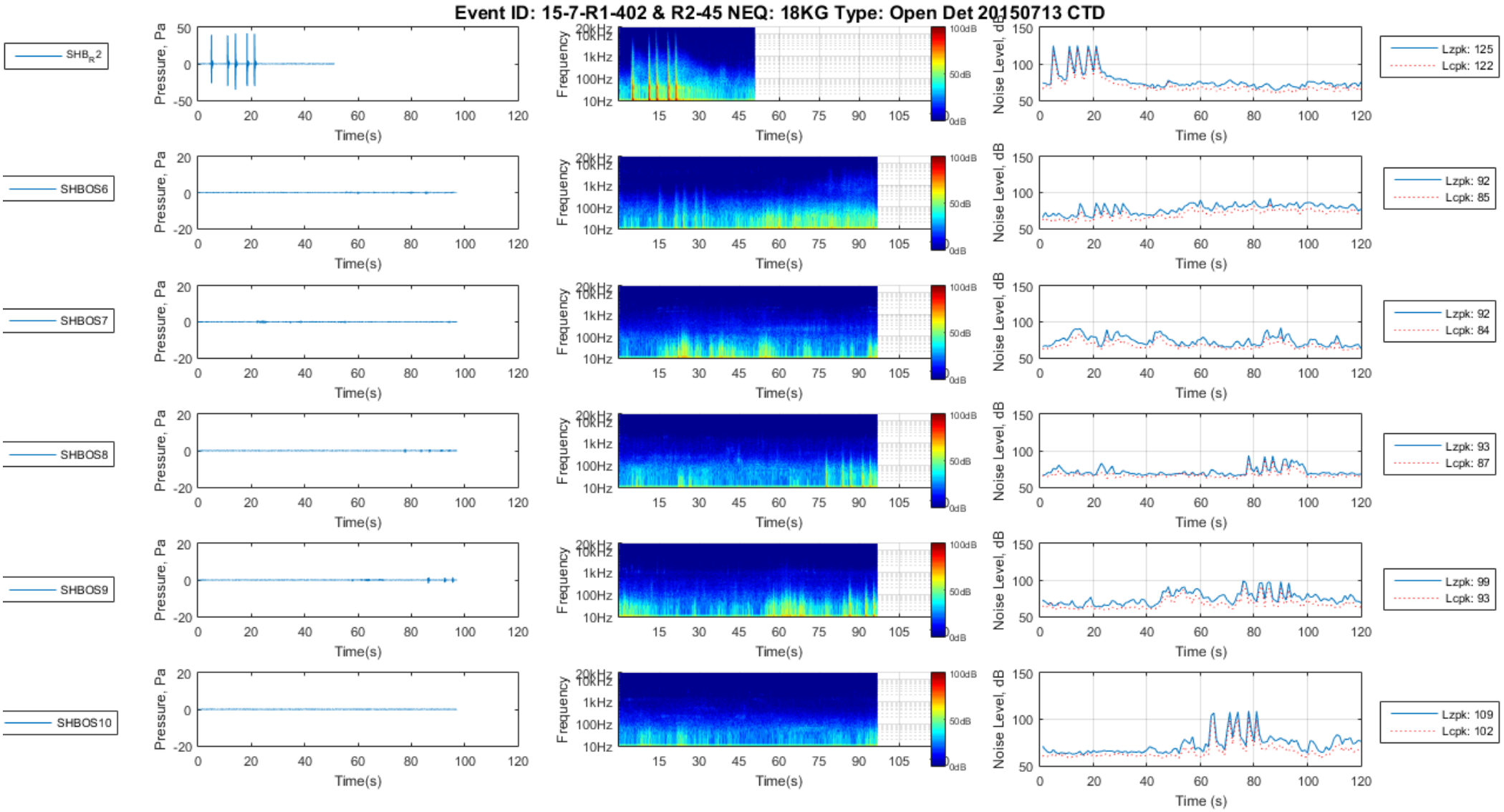


FIGURE 2.220: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-402 & R2-45


Event ID: 15-7-R1-402 & R2-45 NEQ: 18KG Type: Open Det 20150713
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 125
Lcpk: 122
Lzpk: 101
Lcpk: 94
Lzpk: 100
Lcpk: 96
Lzpk: 99
Lcpk: 95
Lzpk: 102
Lcpk: 95
Lzpk: 94
Lcpk: 87


Event ID: 15-7-R1-402 & R2-45 NEQ: 18KG Type: Open Det 20150713 CTD
SHB_R2
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 125
Lcpk: 122
SHBOS6
Lzpk: 92
Lcpk: 85
SHBOS7
Lzpk: 92
Lcpk: 84
SHBOS8
Lzpk: 93
Lcpk: 87
SHBOS9
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Lcpk: 93
SHBOS10
Lzpk: 109
Lcpk: 102

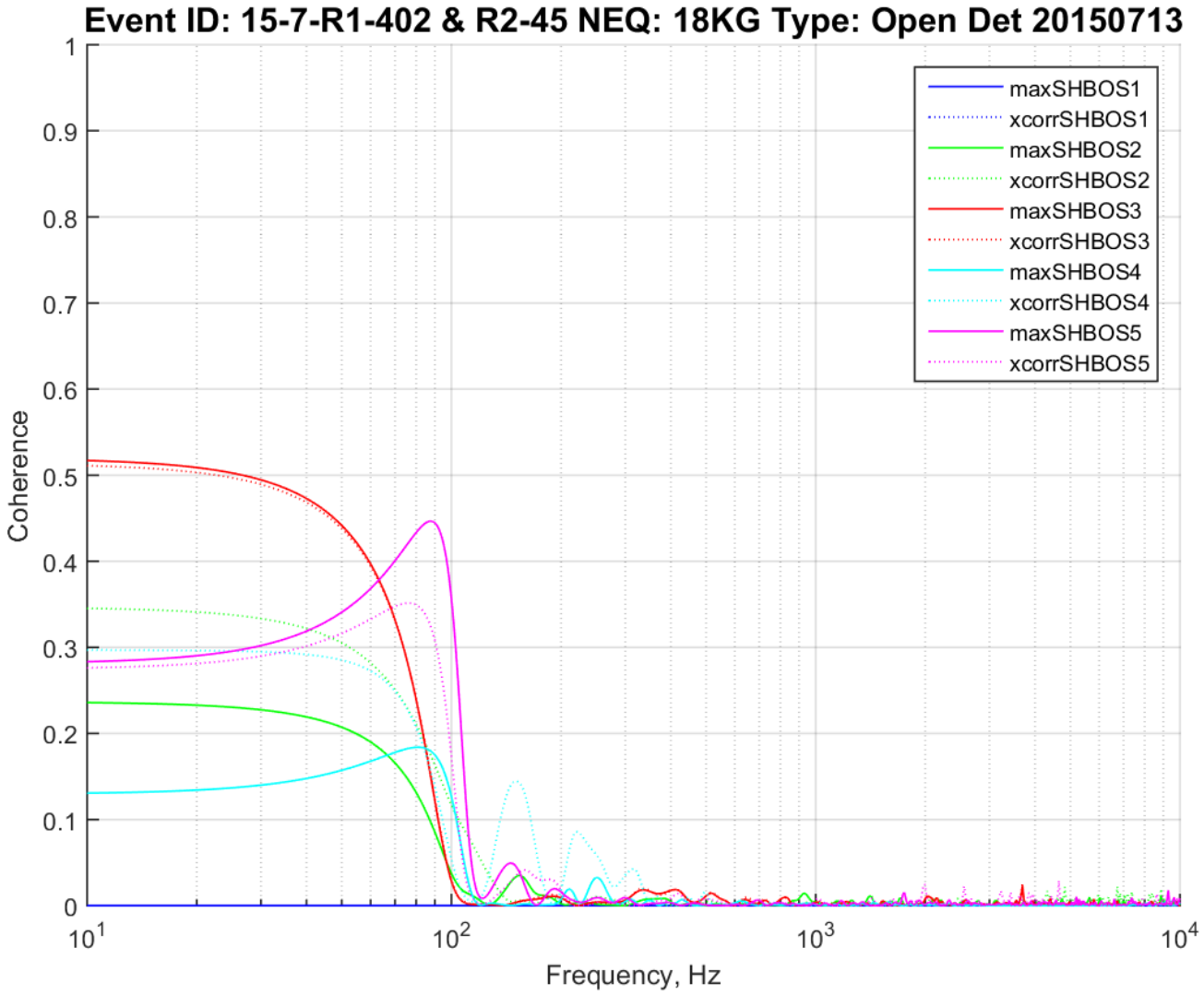


FIGURE 2.223: COHERENCE SHB_OS 1 - 5 15-7-R1-402 & R2-45

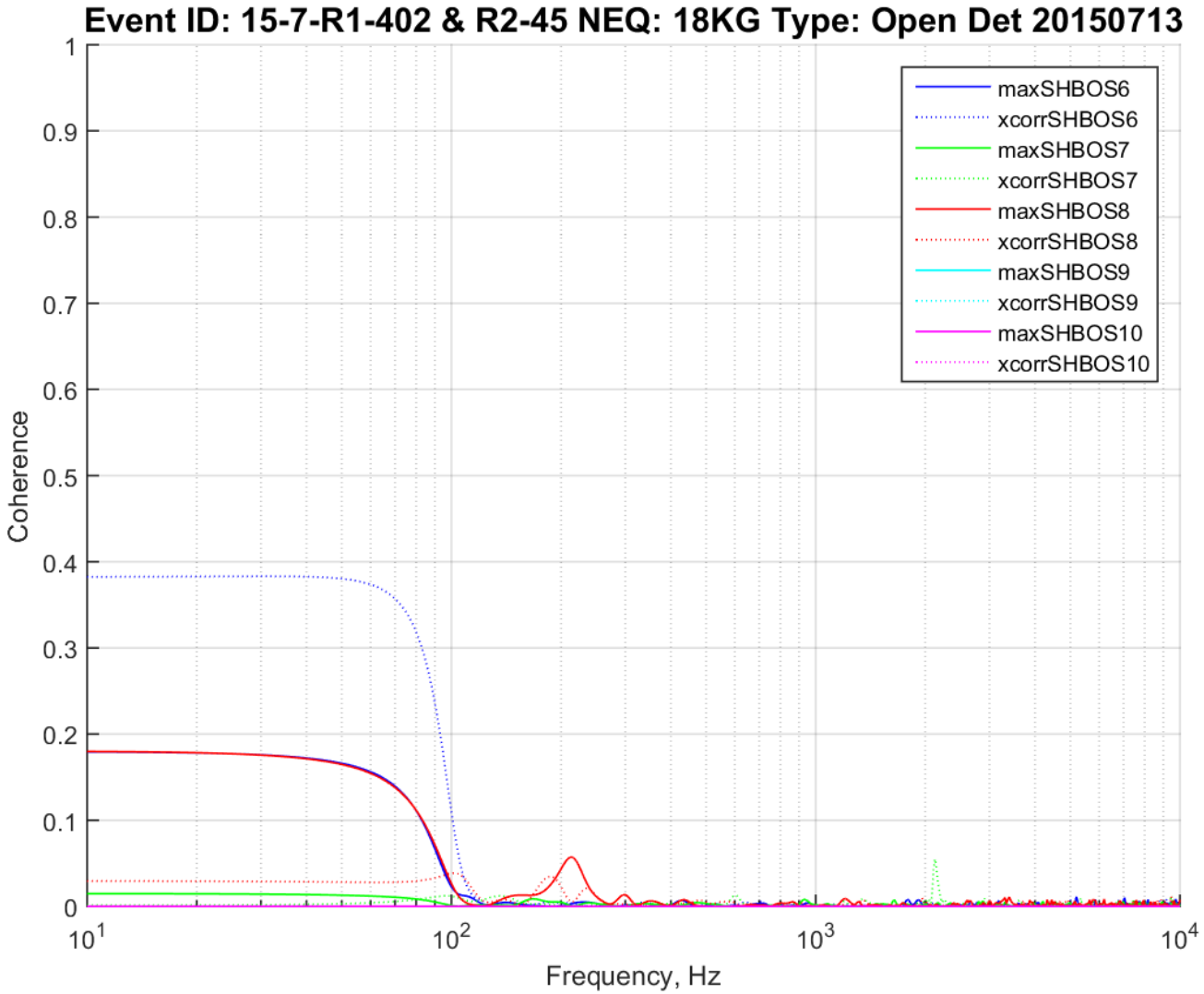


FIGURE 2.224: COHERENCE SHB_OS 6 - 10 15-7-R1-402 & R2-45CTD

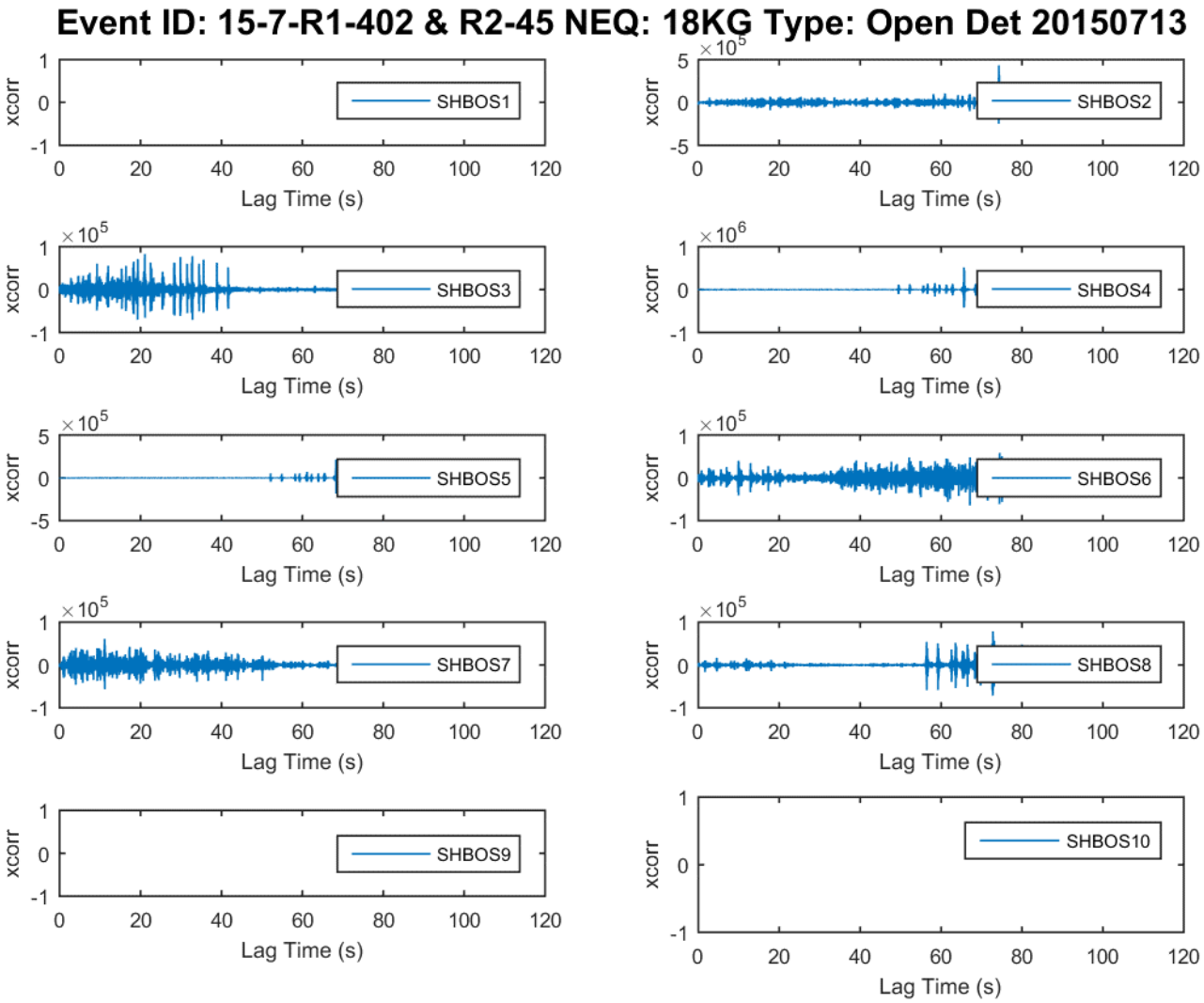


FIGURE 2.225: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-402 & R2-45

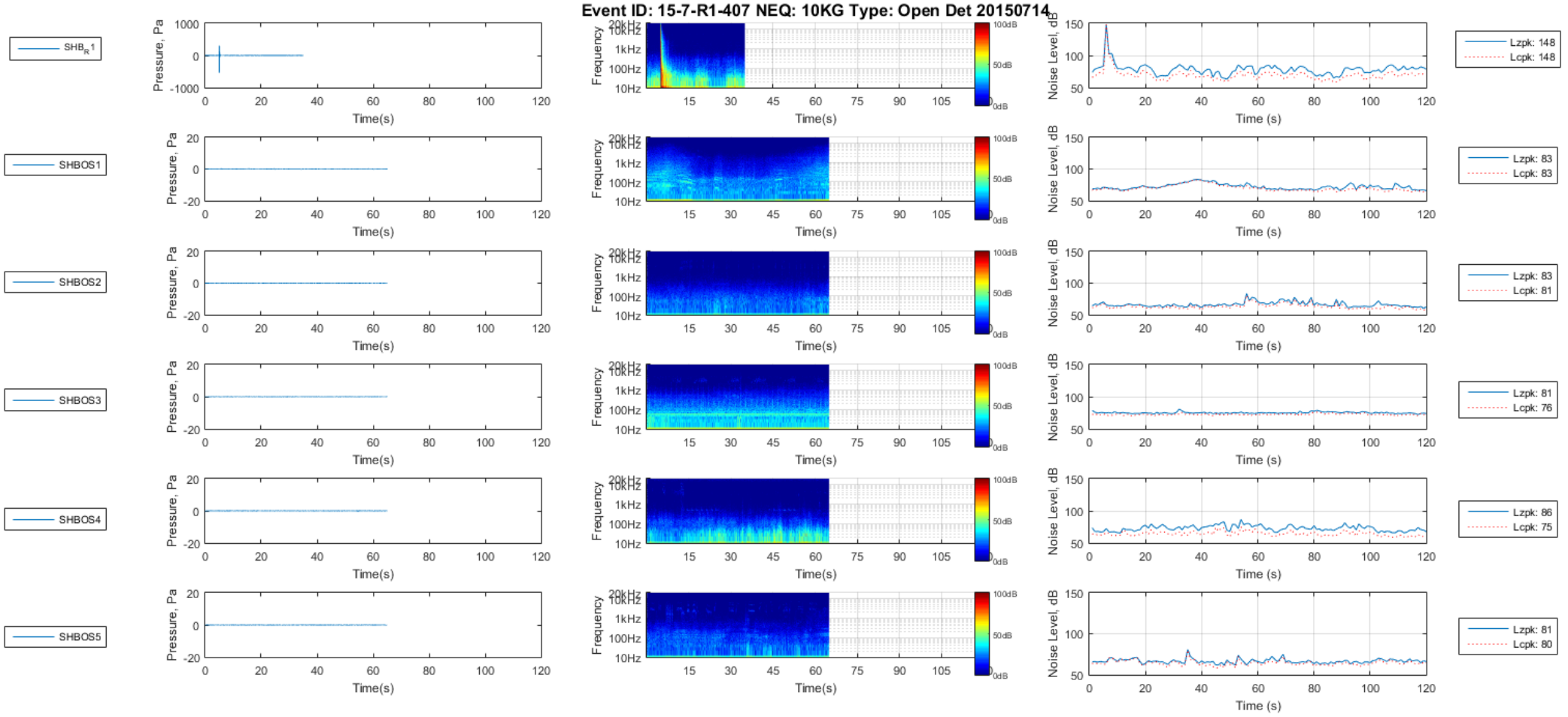


FIGURE 2.226: SHB_OS 1 - 5 15-7-R1-407

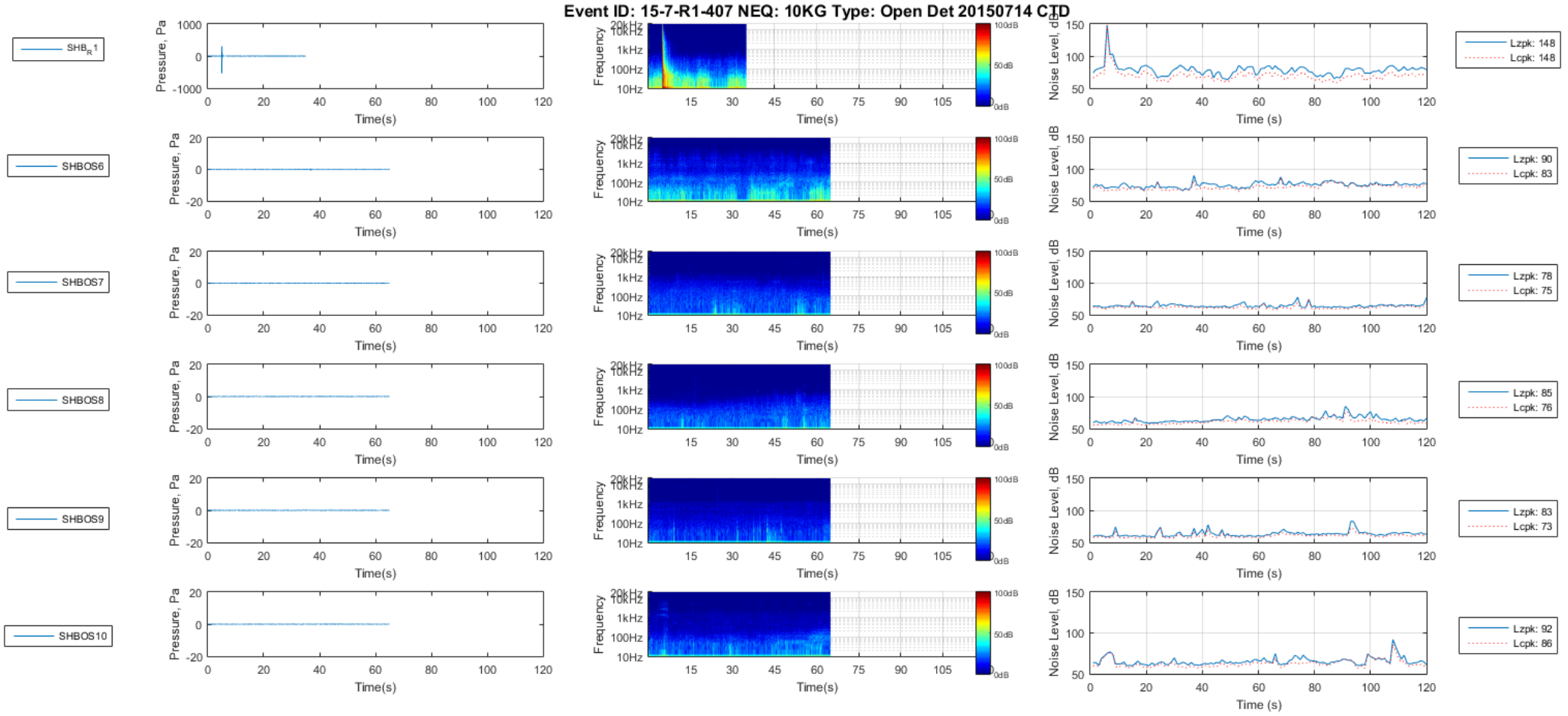


FIGURE 2.227: SHB_OS 6 - 10 15-7-R1-407

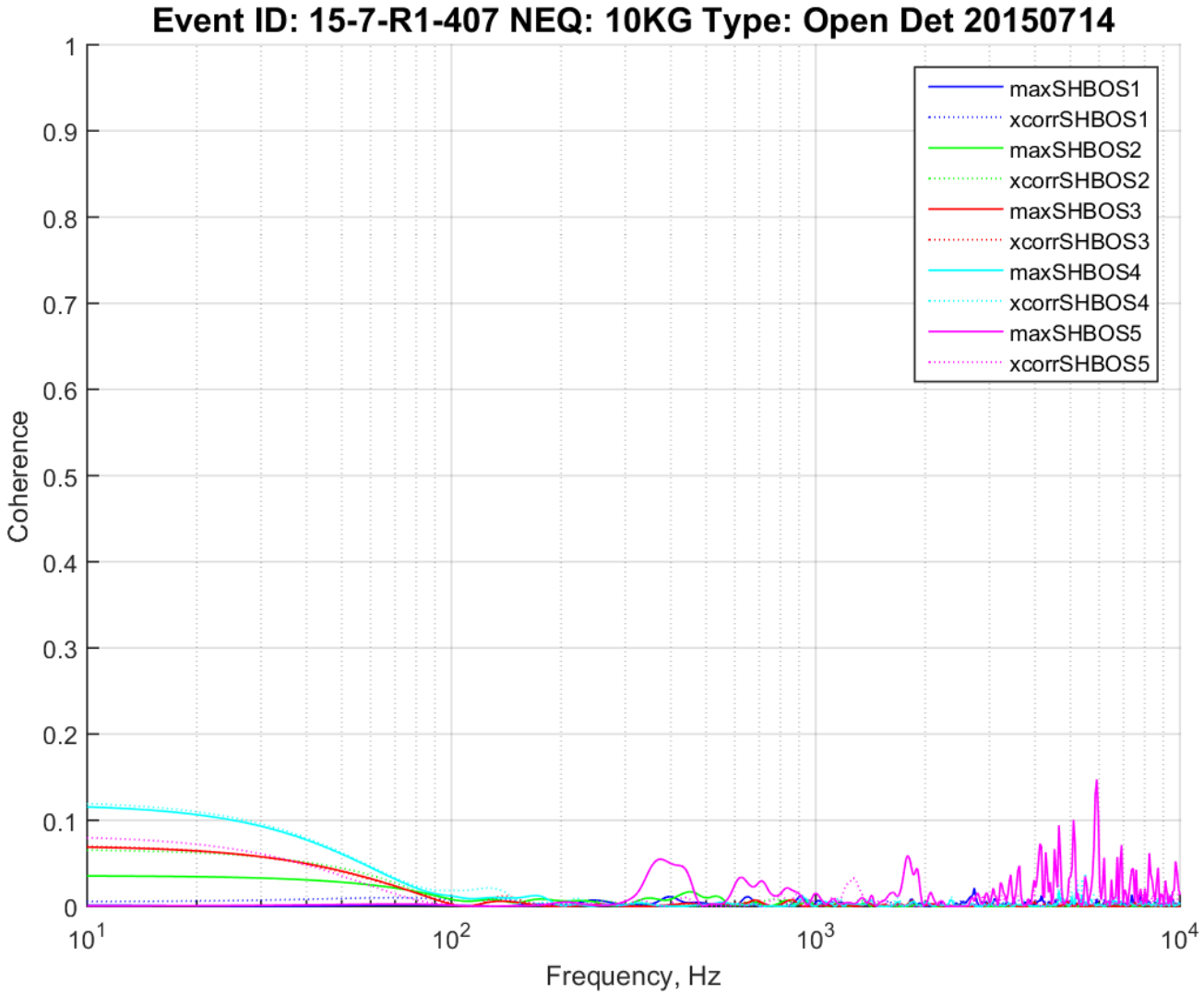


FIGURE 2.228: COHERENCE SHB_OS 1 - 5 15-7-R1-407

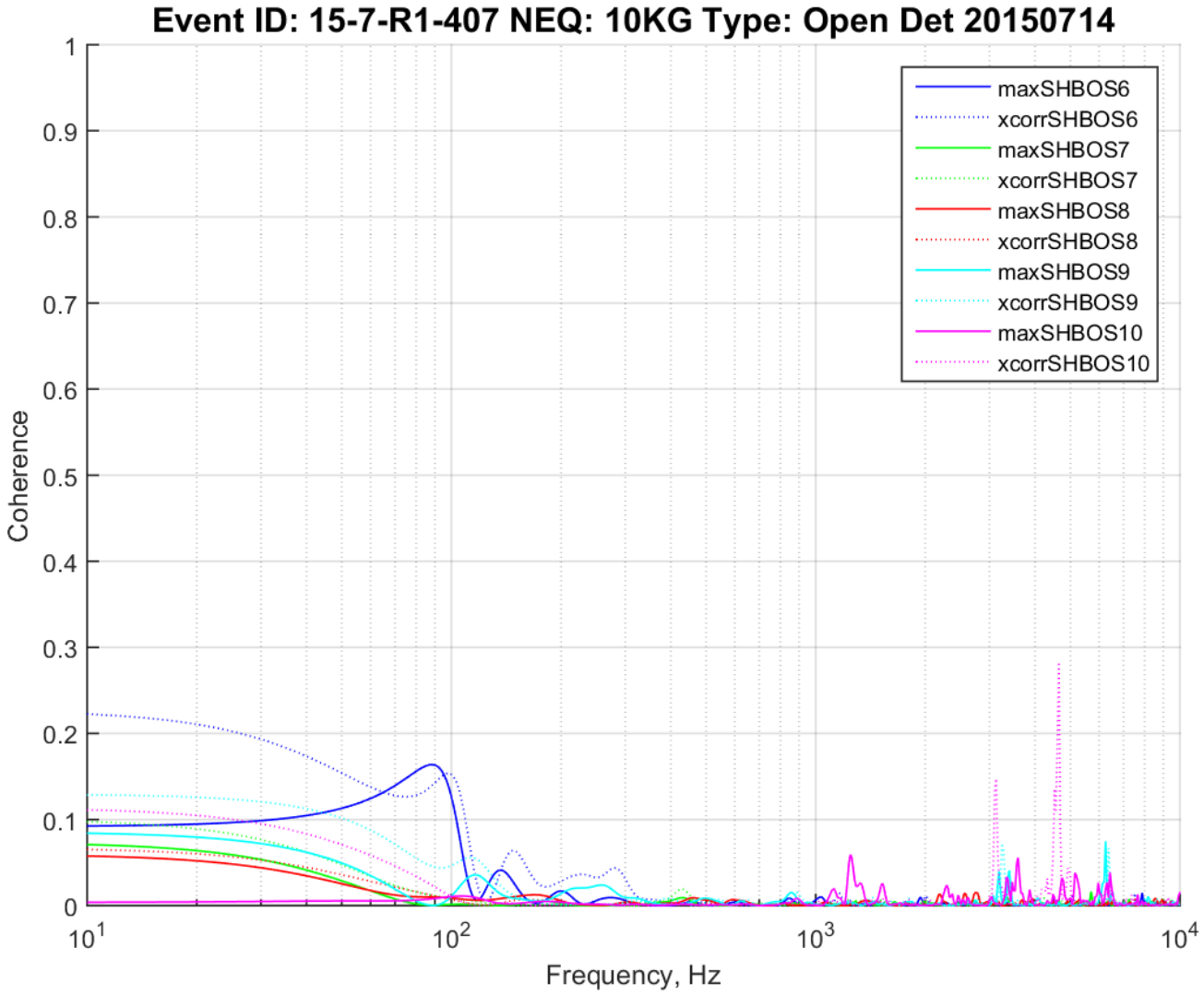


FIGURE 2.229: COHERENCE SHB_OS 6 - 10 15-7-R1-407CTD

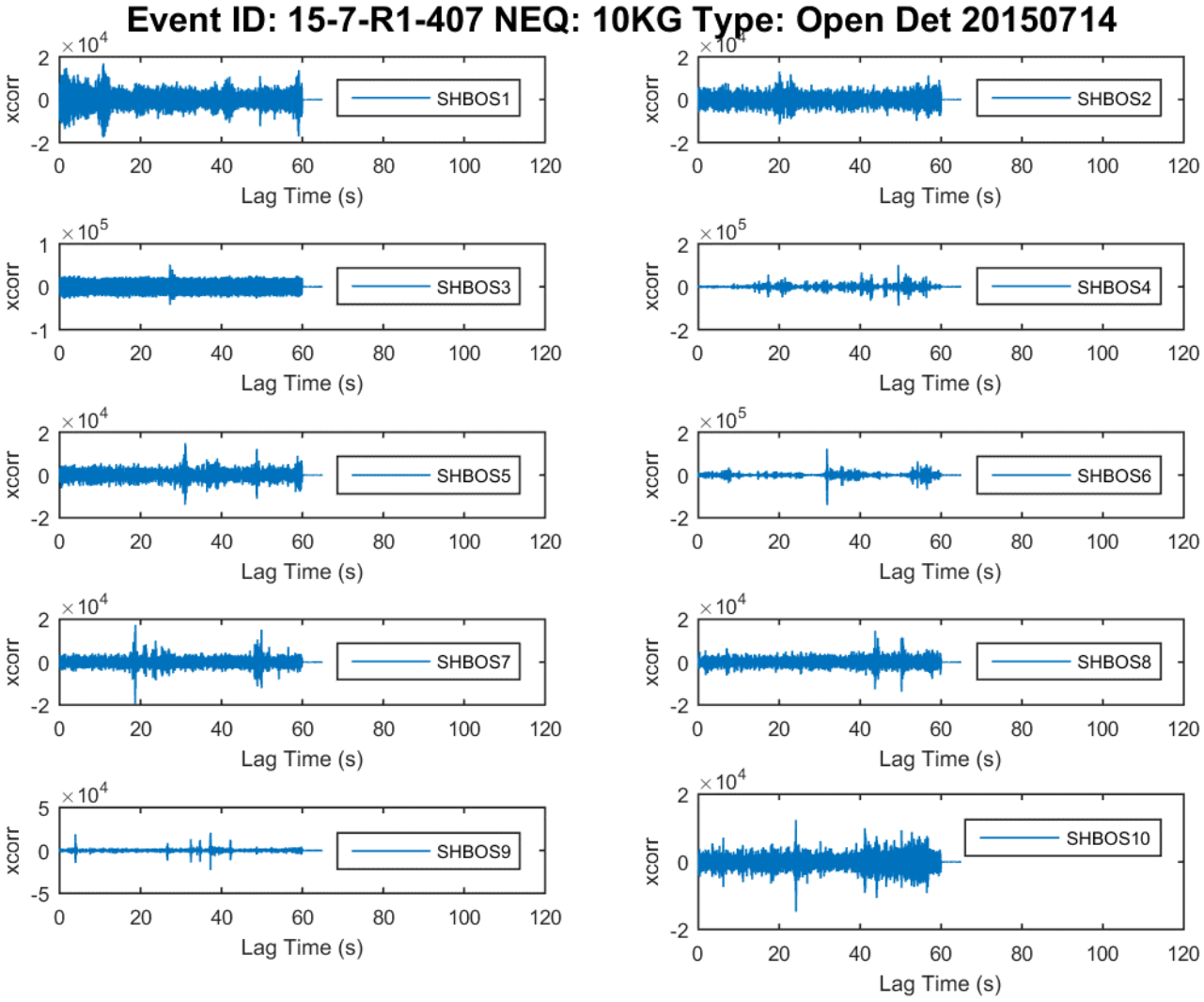


FIGURE 2.230: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-407

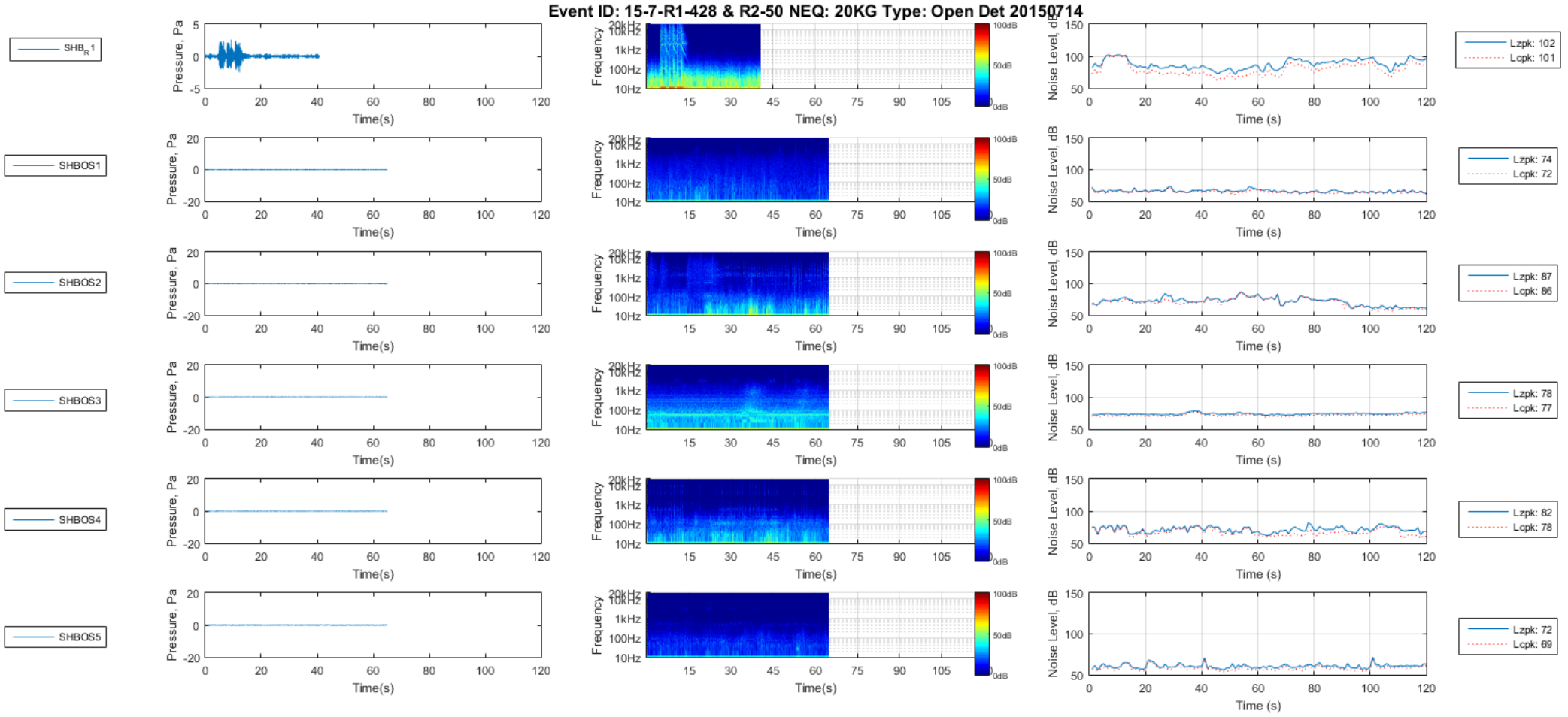


FIGURE 2.231: SHB_OS 1 - 5 15-7-R1-428 & R2-50

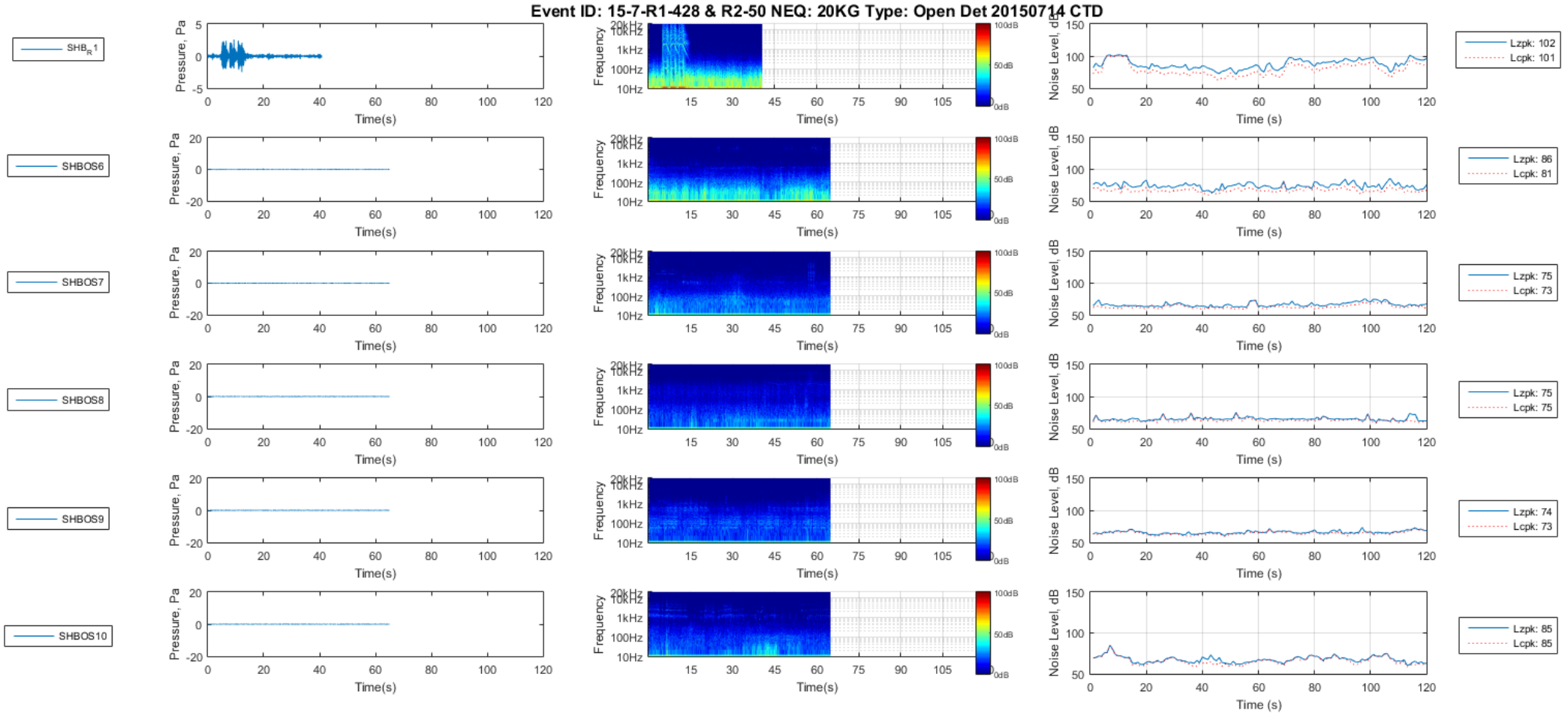


FIGURE 2.232: SHB_OS 6 - 10 15-7-R1-428 & R2-50

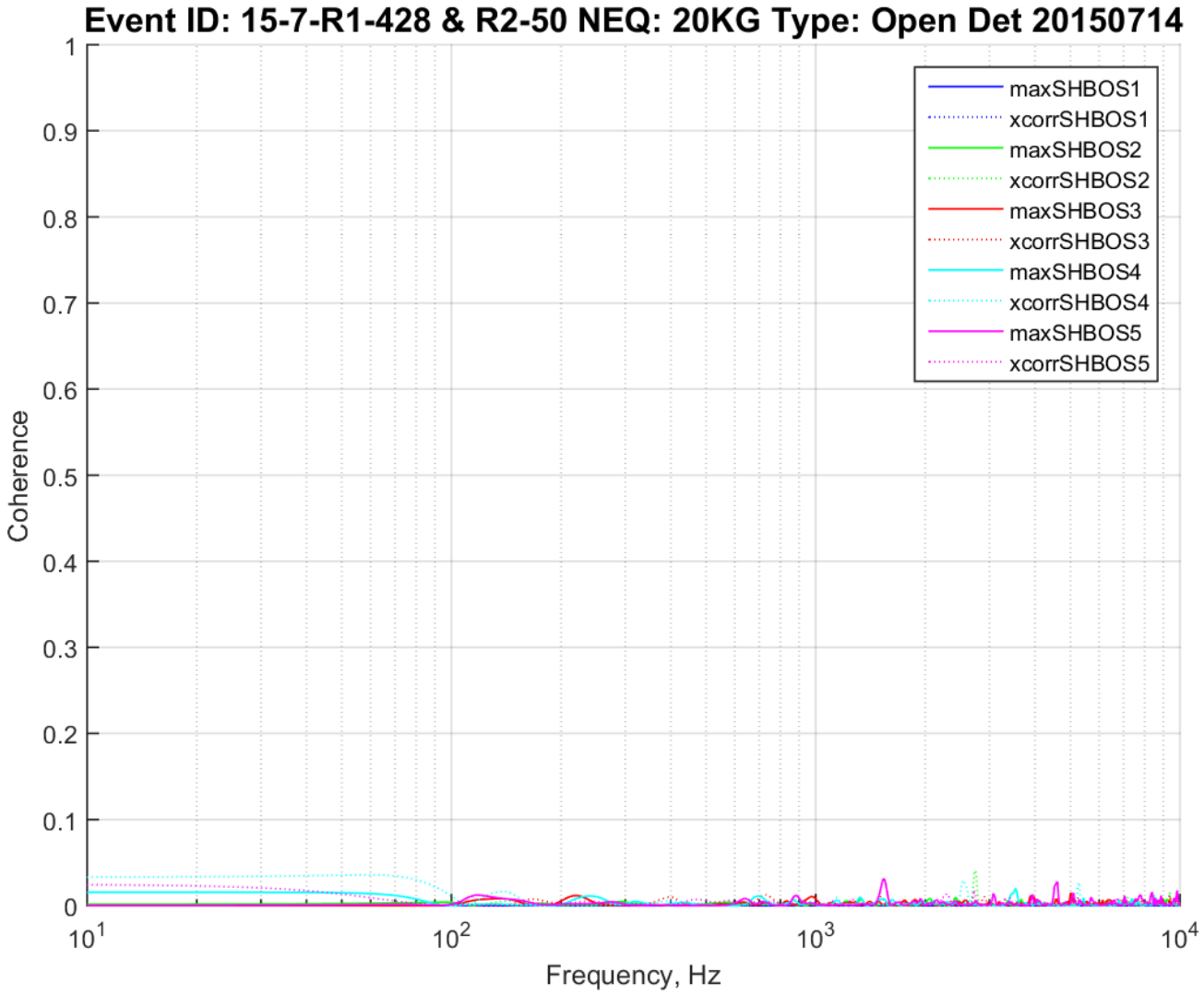


FIGURE 2.233: COHERENCE SHB_OS 1 - 5 15-7-R1-428 & R2-50

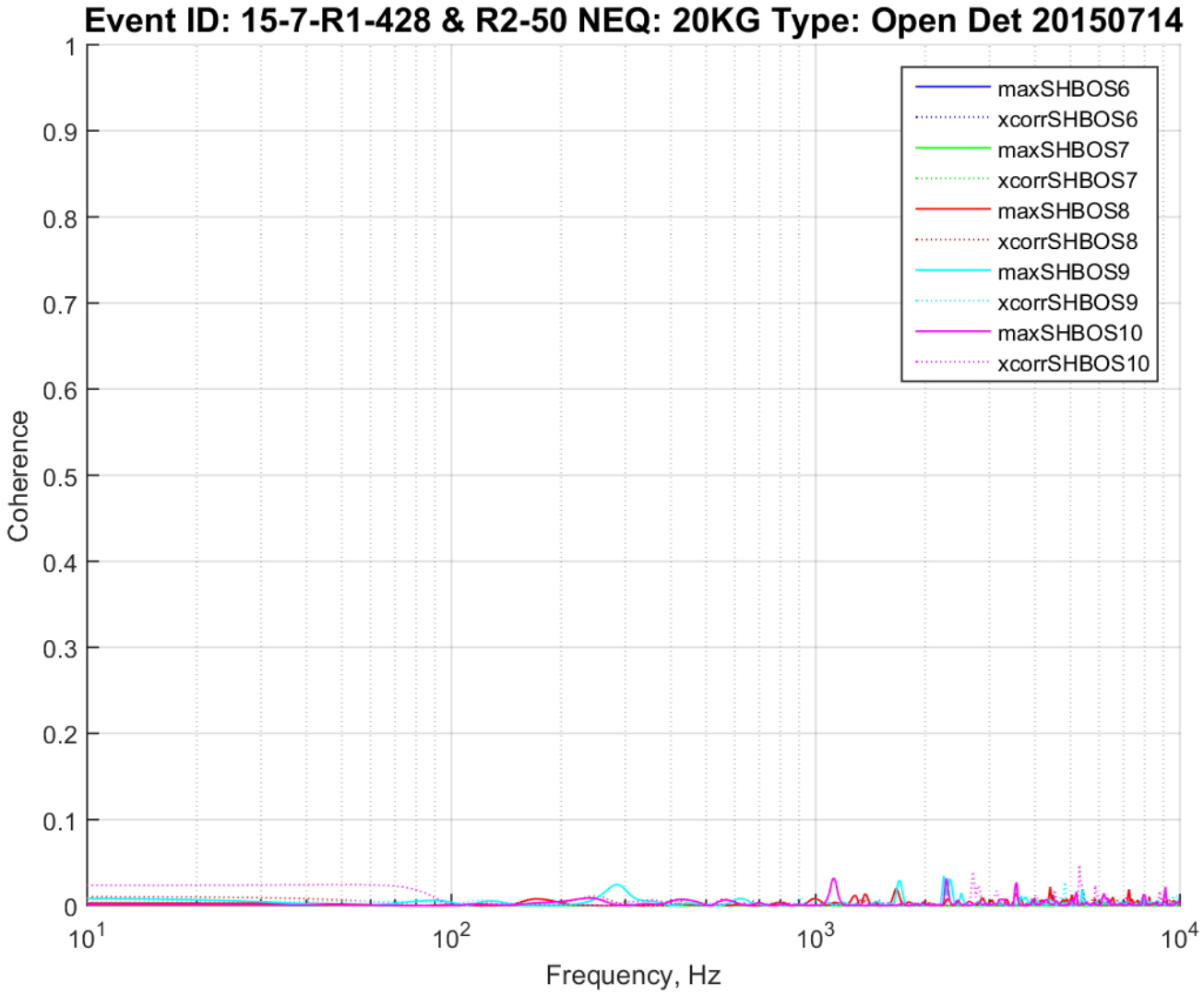


FIGURE 2.234: COHERENCE SHB_OS 6 - 10 15-7-R1-428 & R2-50CTD

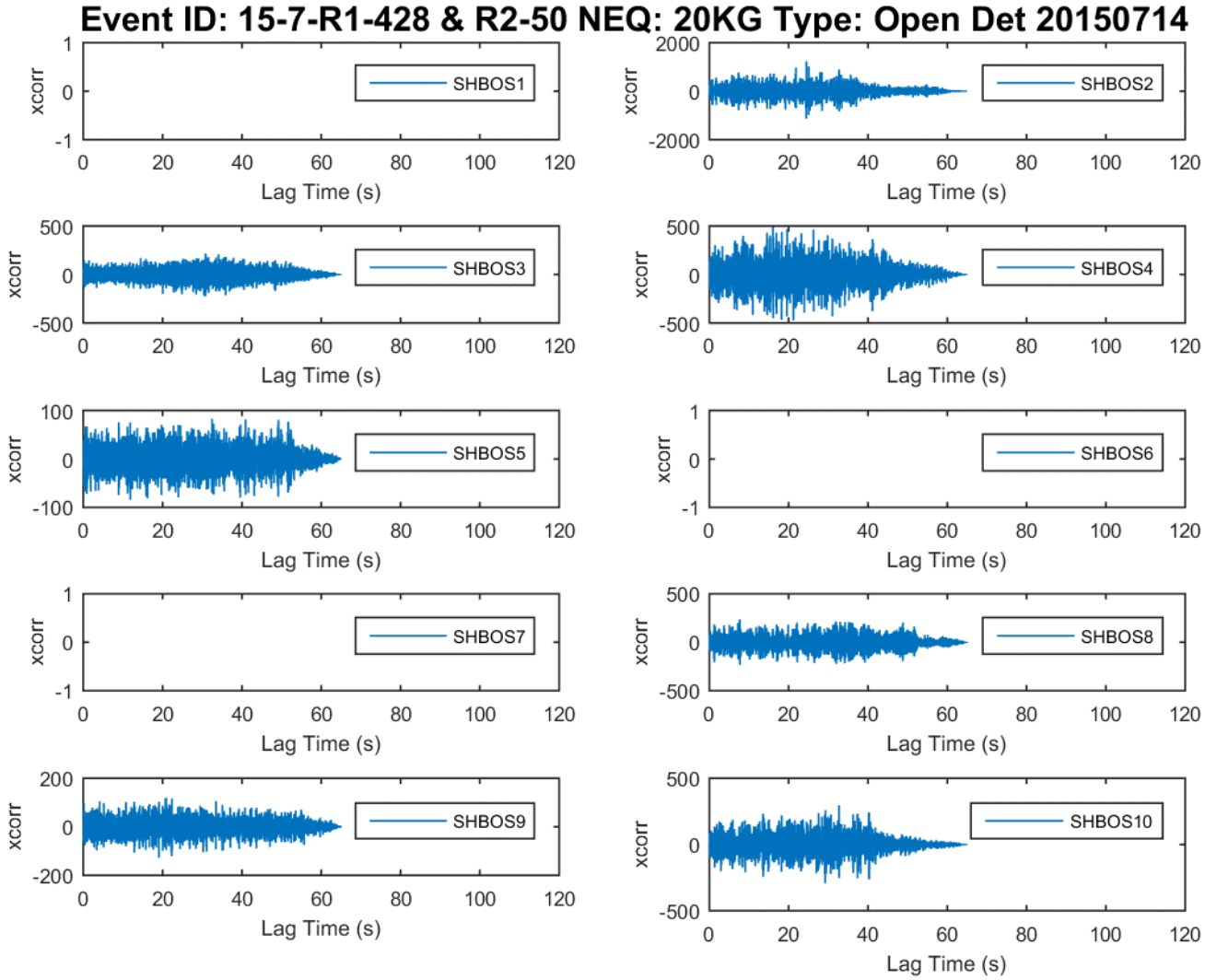
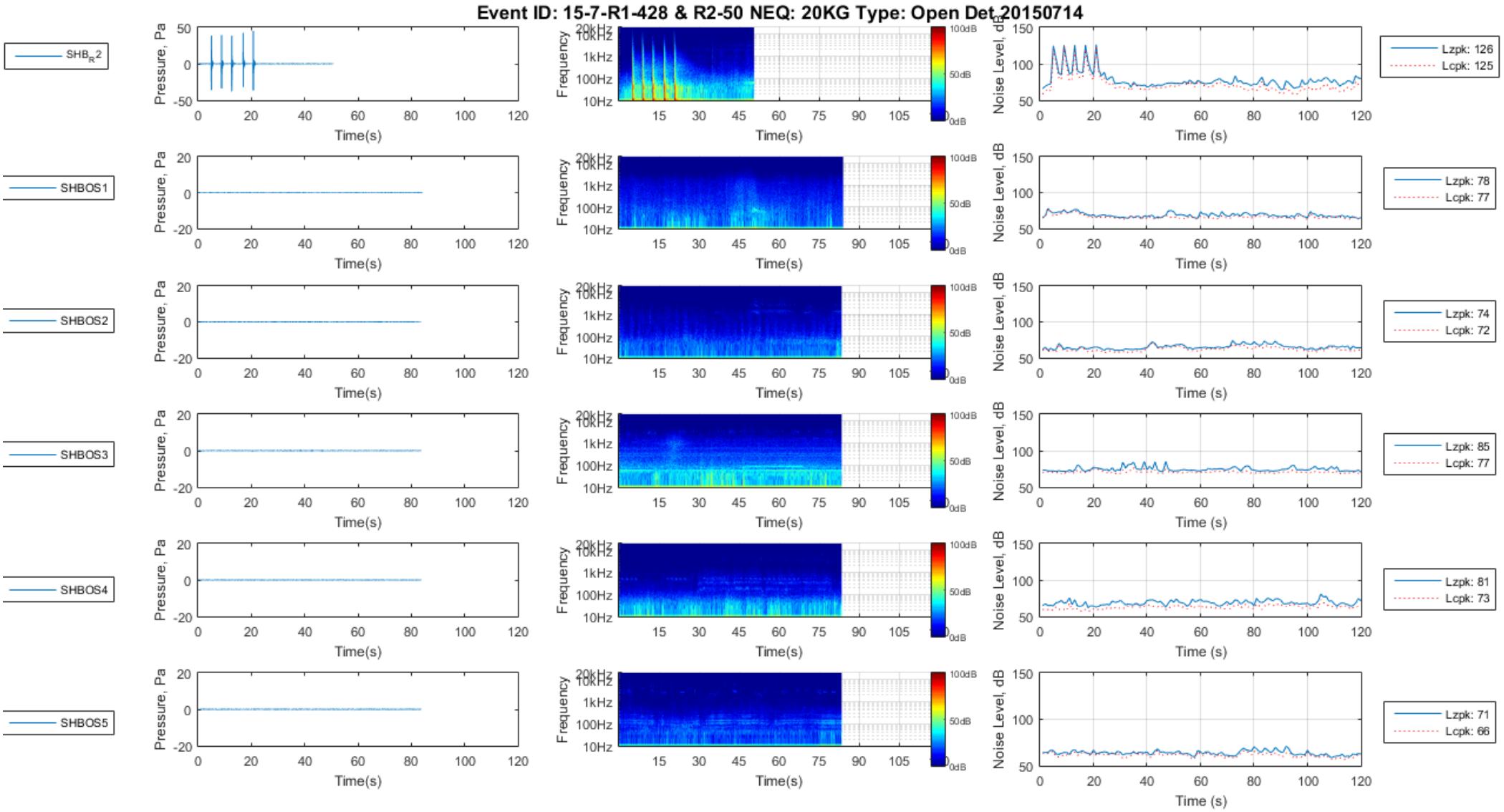
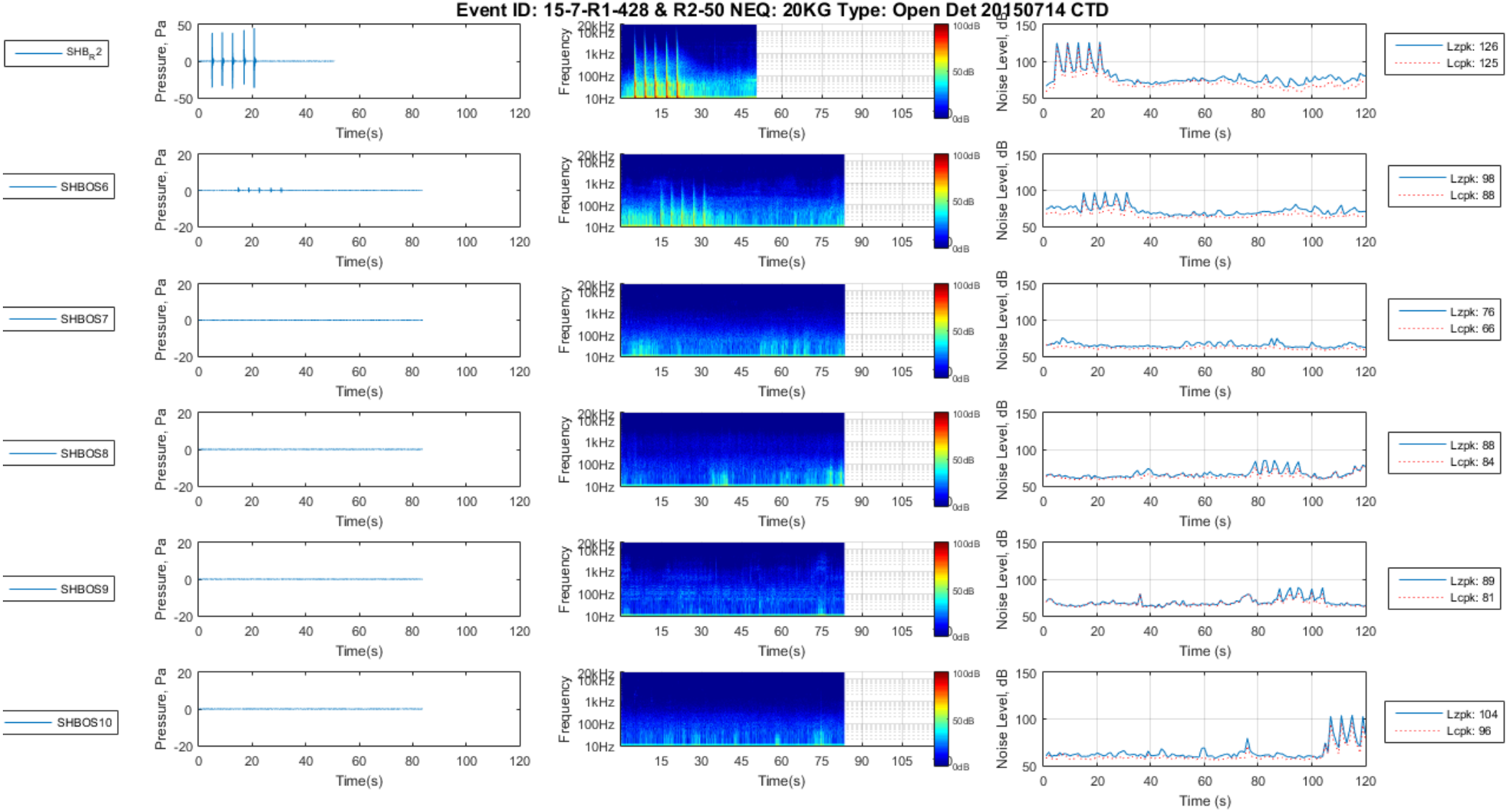


FIGURE 2.235: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-428 & R2-50


Event ID: 15-7-R1-428 & R2-50 NEQ: 20KG Type: Open Det 20150714
SHB$_R$2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 126
Lcpk: 125
Lzpk: 78
Lcpk: 77
Lzpk: 74
Lcpk: 72
Lzpk: 85
Lcpk: 77
Lzpk: 81
Lcpk: 73
Lzpk: 71
Lcpk: 66


Event ID: 15-7-R1-428 & R2-50 NEQ: 20KG Type: Open Det 20150714 CTD
SHB$_R$2
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 126
Lcpk: 125
SHBOS6
Lzpk: 98
Lcpk: 88
SHBOS7
Lzpk: 76
Lcpk: 66
SHBOS8
Lzpk: 88
Lcpk: 84
SHBOS9
Lzpk: 89
Lcpk: 81
SHBOS10
Lzpk: 104
Lcpk: 96

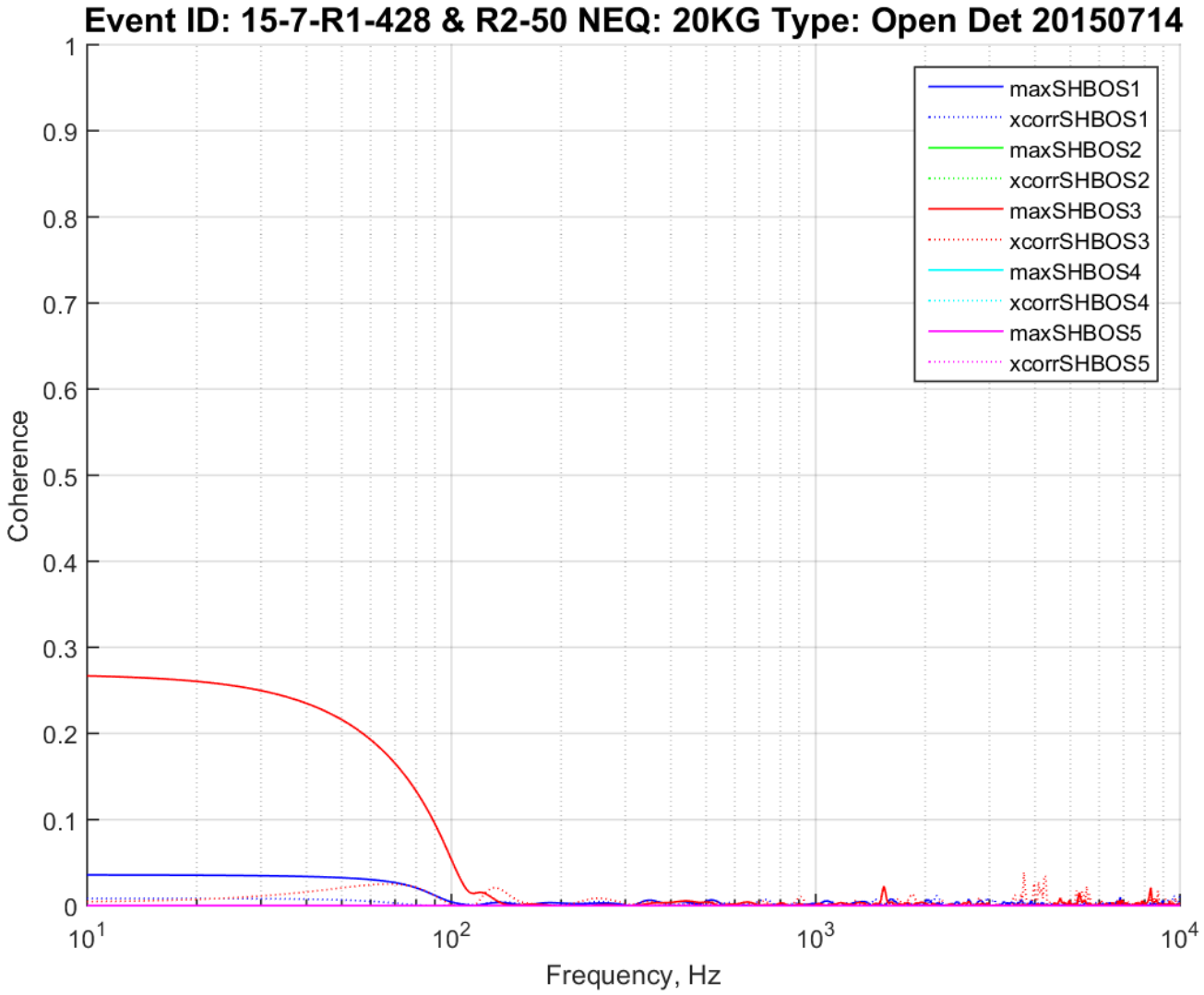


FIGURE 2.238: COHERENCE SHB_OS 1 - 5 15-7-R1-428 & R2-50

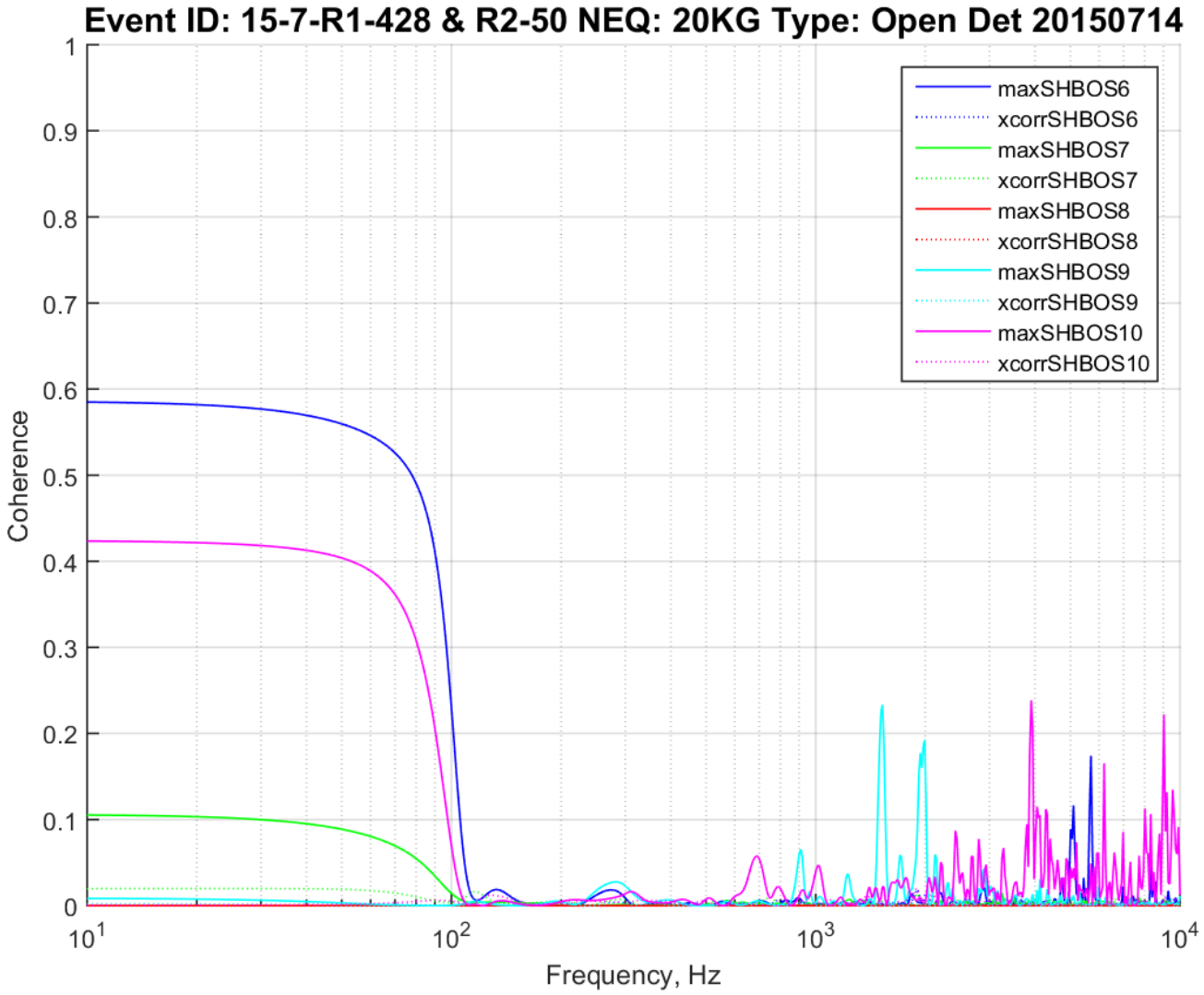


FIGURE 2.239: COHERENCE SHB_OS 6 - 10 15-7-R1-428 & R2-50CTD

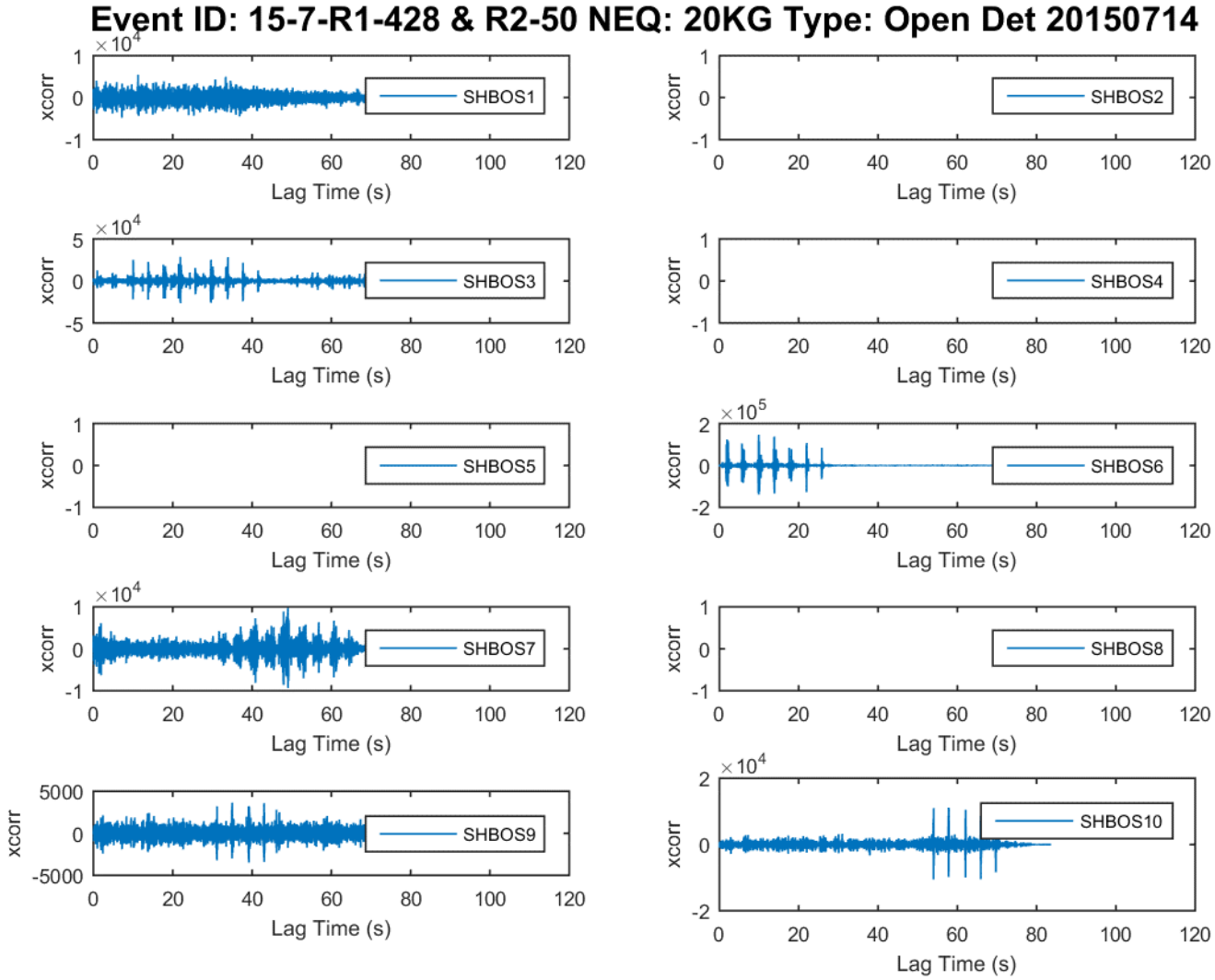


FIGURE 2.240: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-428 & R2-50

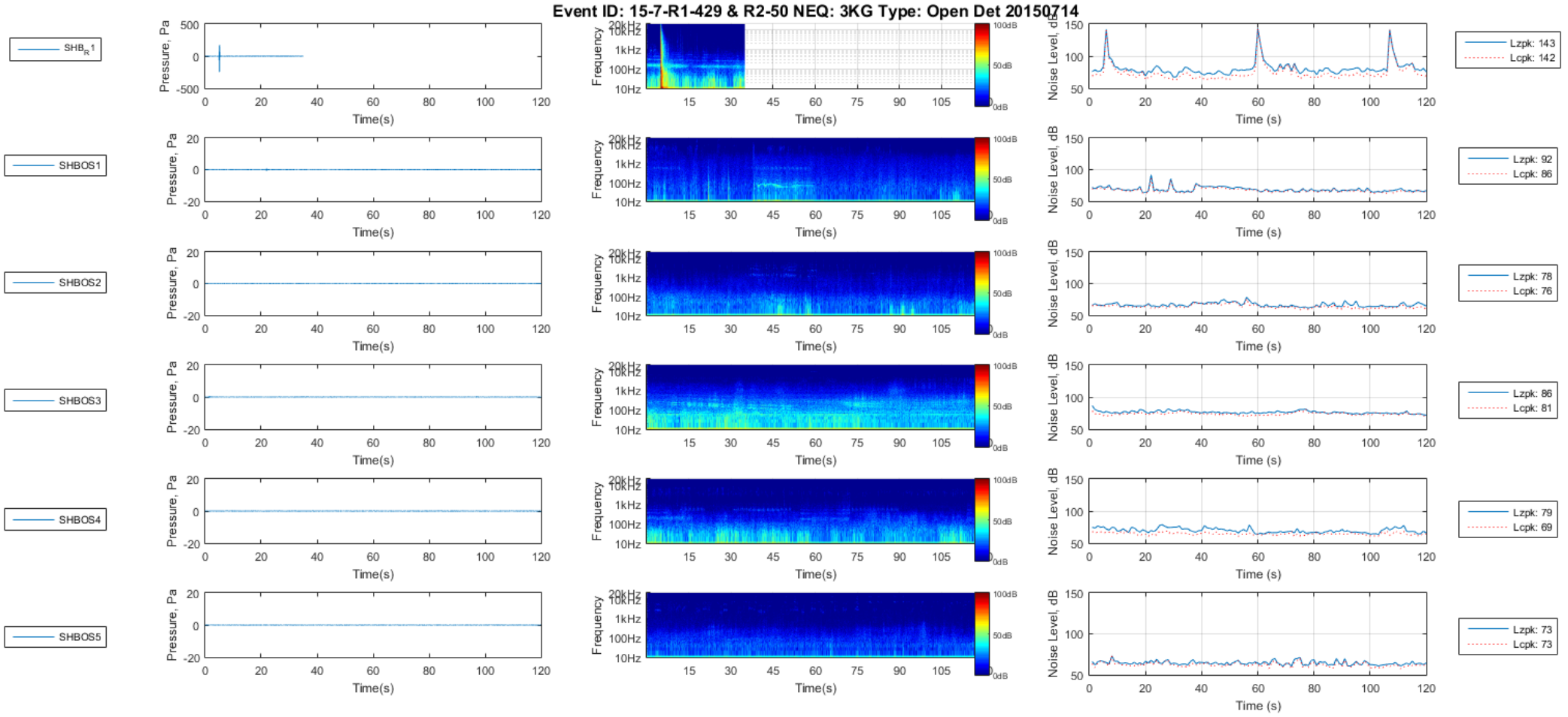


FIGURE 2.241: SHB_OS 1 - 5 15-7-R1-429 & R2-50

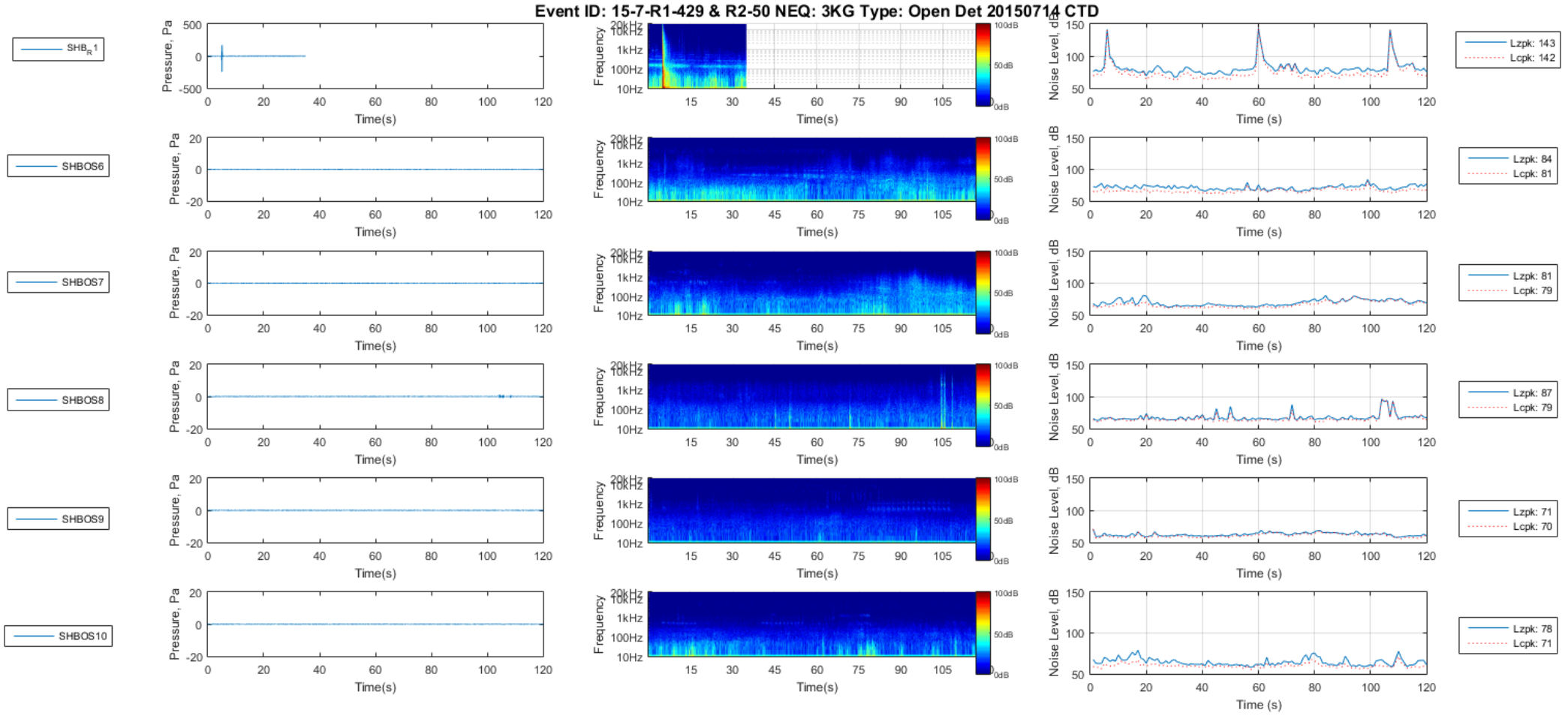


FIGURE 2.242: SHB_OS 6 - 10 15-7-R1-429 & R2-50

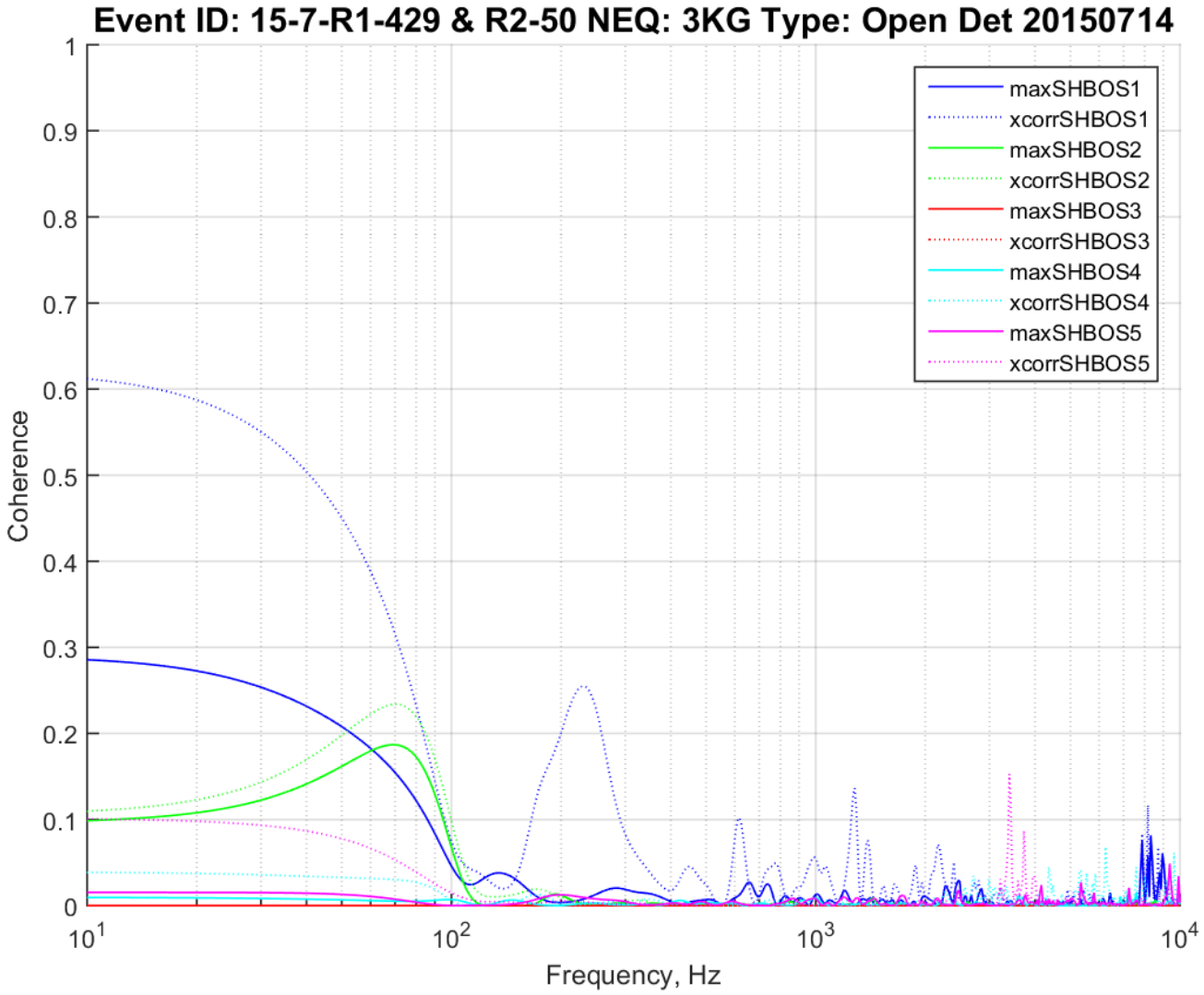


FIGURE 2.243: COHERENCE SHB_OS 1 - 5 15-7-R1-429 & R2-50

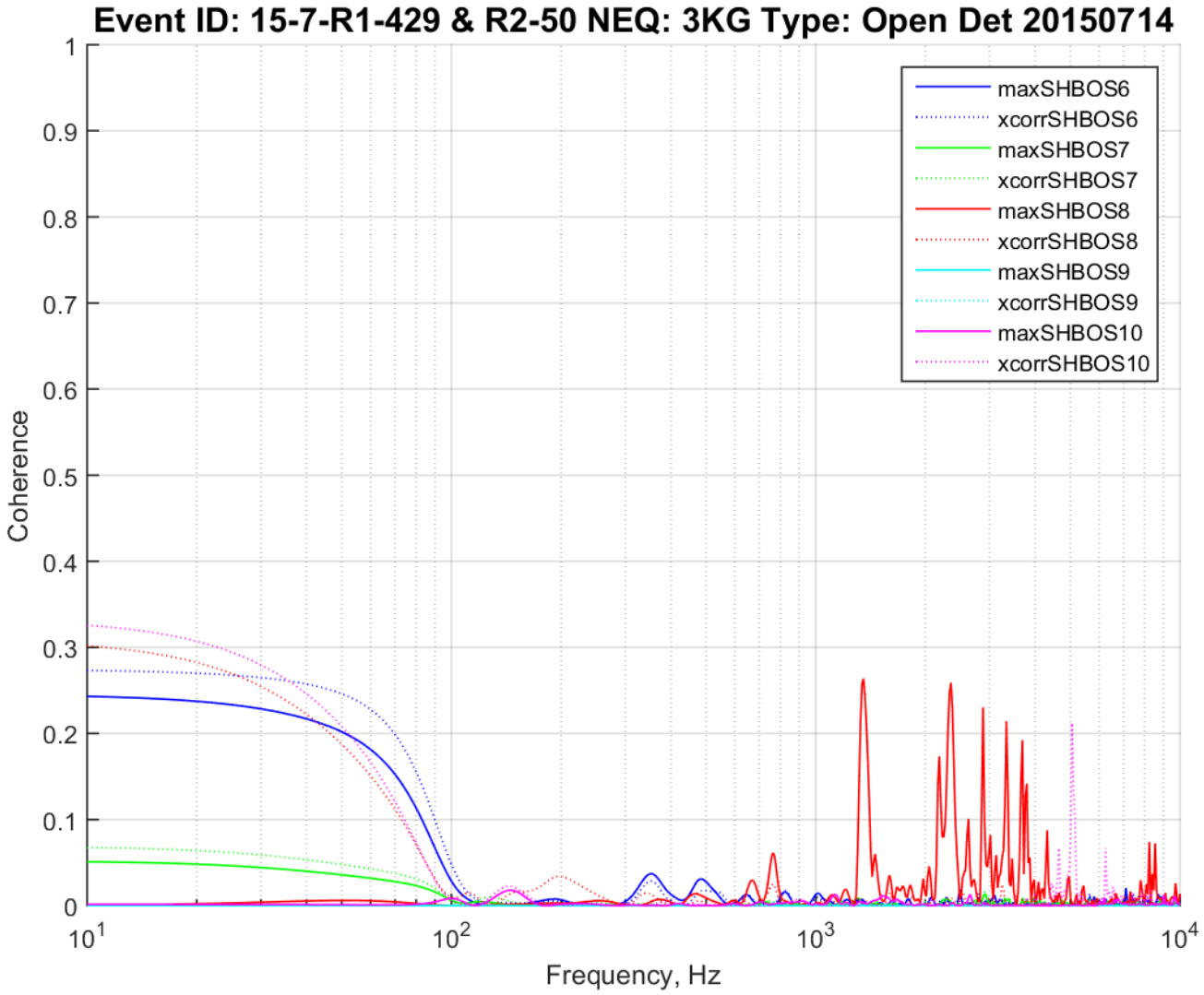


FIGURE 2.244: COHERENCE SHB_OS 6 - 10 15-7-R1-429 & R2-50CTD

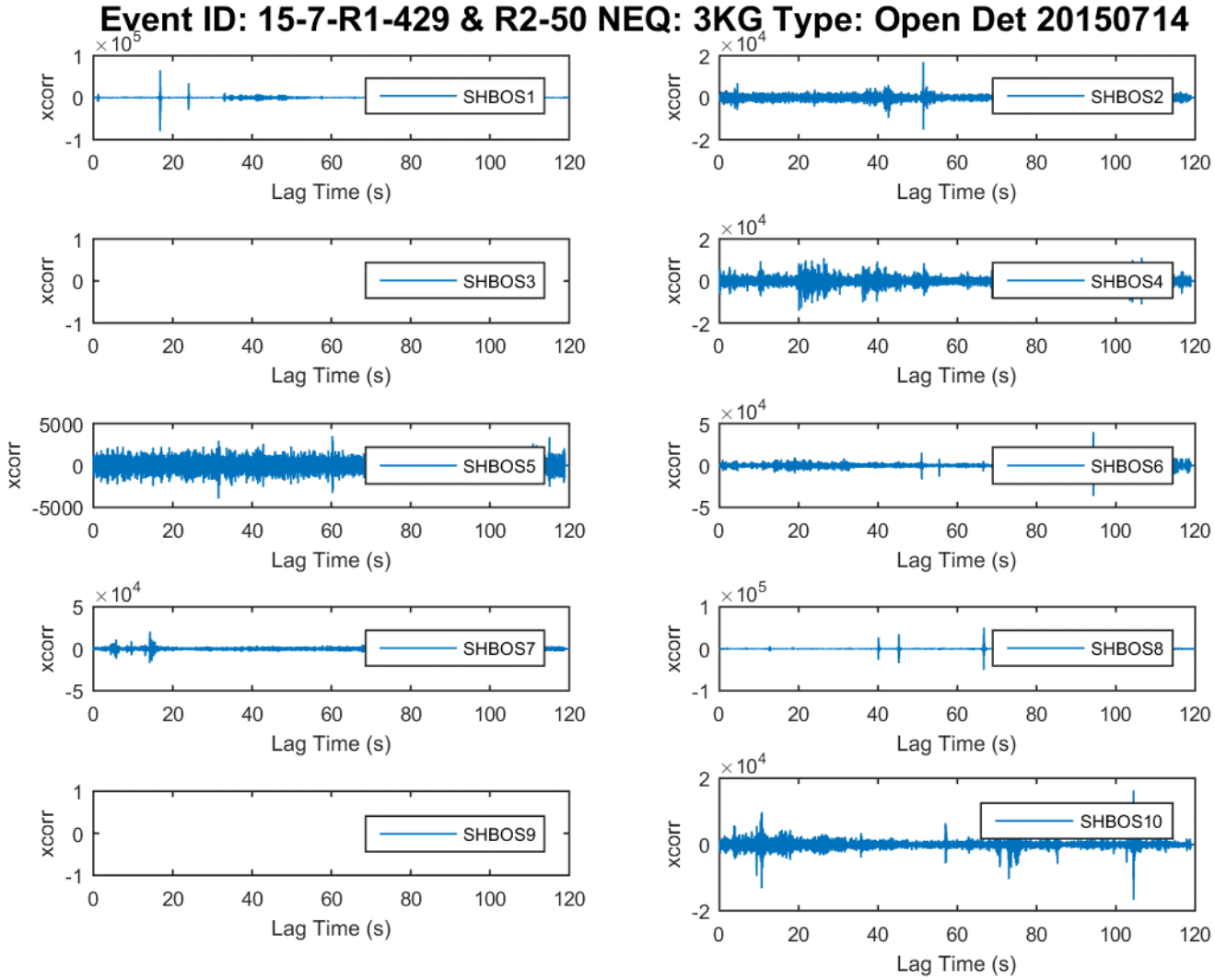
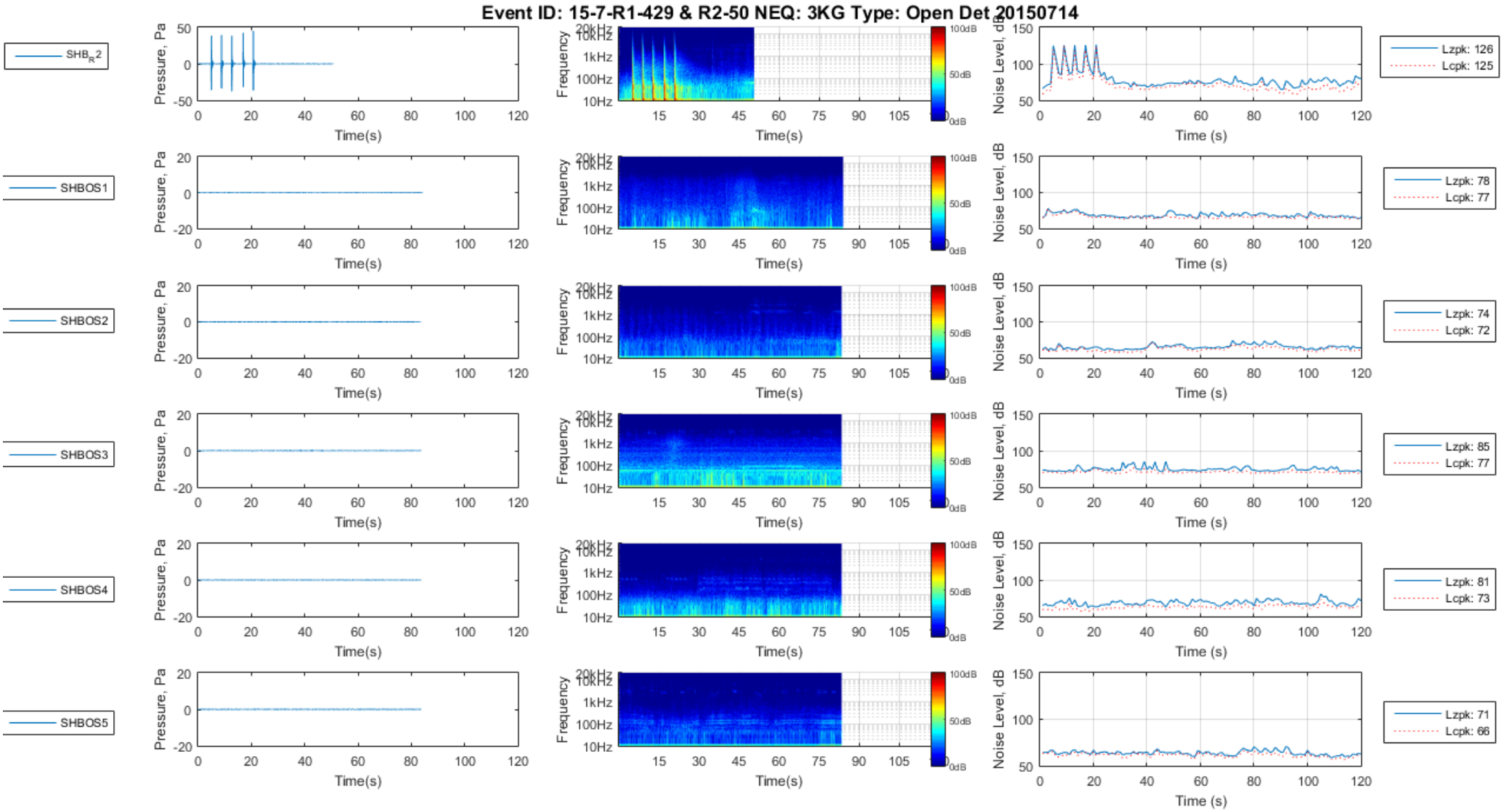
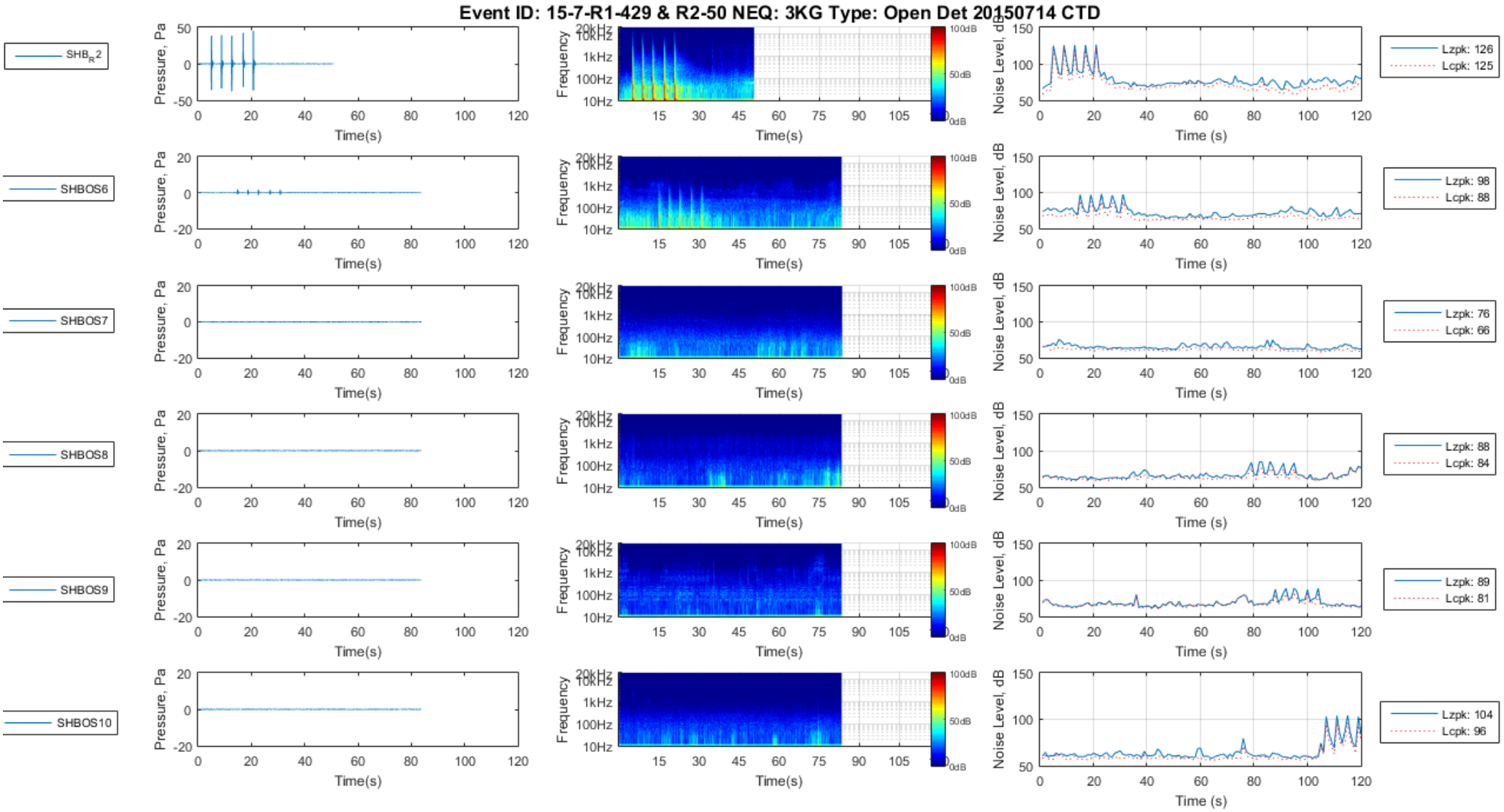


FIGURE 2.245: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-429 & R2-50


Event ID: 15-7-R1-429 & R2-50 NEQ: 3KG Type: Open Det 20150714
SHB_R2
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 126
Lcpk: 125
SHBOS1
Lzpk: 78
Lcpk: 77
SHBOS2
Lzpk: 74
Lcpk: 72
SHBOS3
Lzpk: 85
Lcpk: 77
SHBOS4
Lzpk: 81
Lcpk: 73
SHBOS5
Lzpk: 71
Lcpk: 66


Event ID: 15-7-R1-429 & R2-50 NEQ: 3KG Type: Open Det 20150714 CTD
SHB_R2
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 126
Lcpk: 125
SHBOS6
Lzpk: 98
Lcpk: 88
SHBOS7
Lzpk: 76
Lcpk: 66
SHBOS8
Lzpk: 88
Lcpk: 84
SHBOS9
Lzpk: 89
Lcpk: 81
SHBOS10
Lzpk: 104
Lcpk: 96

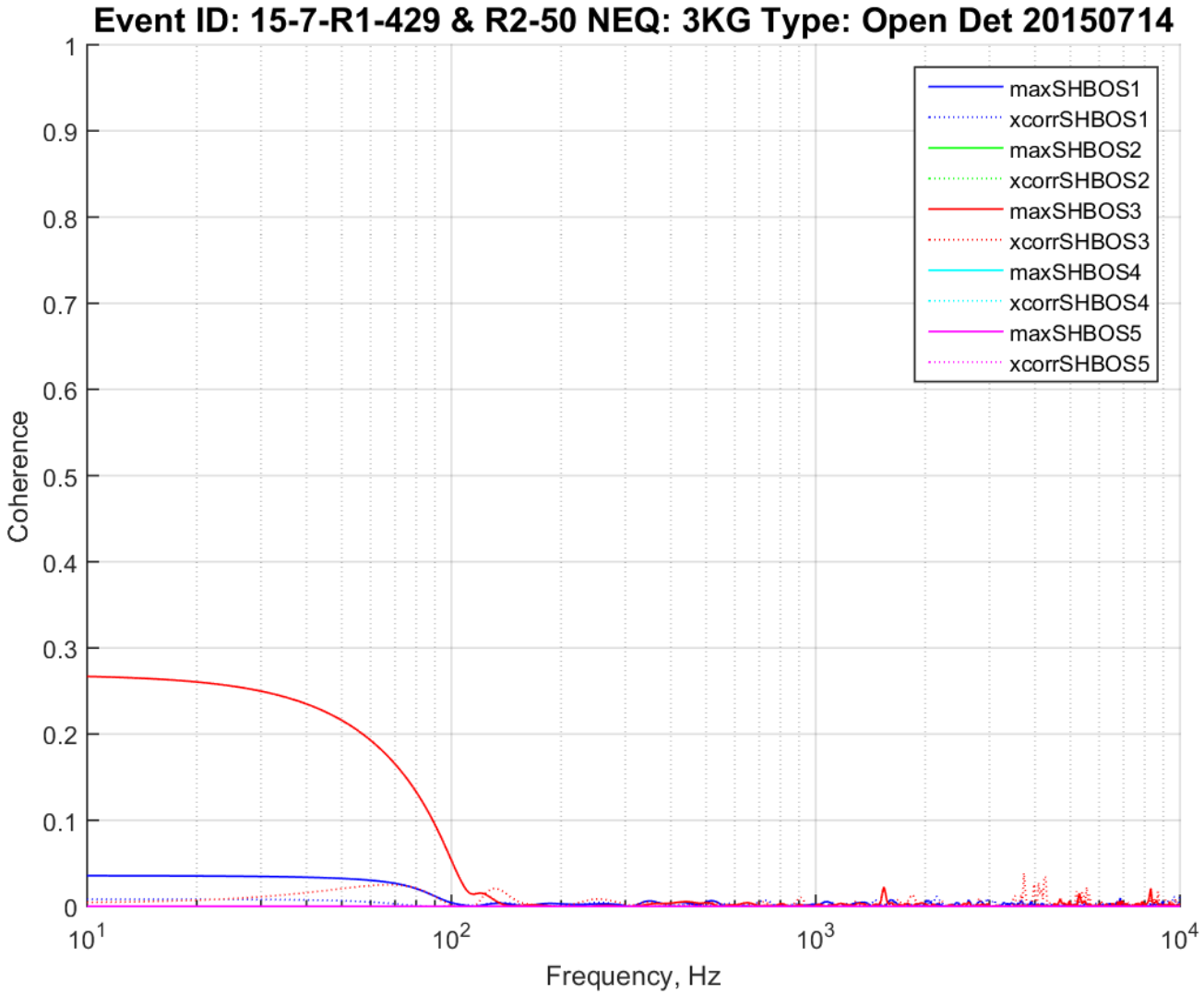


FIGURE 2.248: COHERENCE SHB_OS 1 - 5 15-7-R1-429 & R2-50

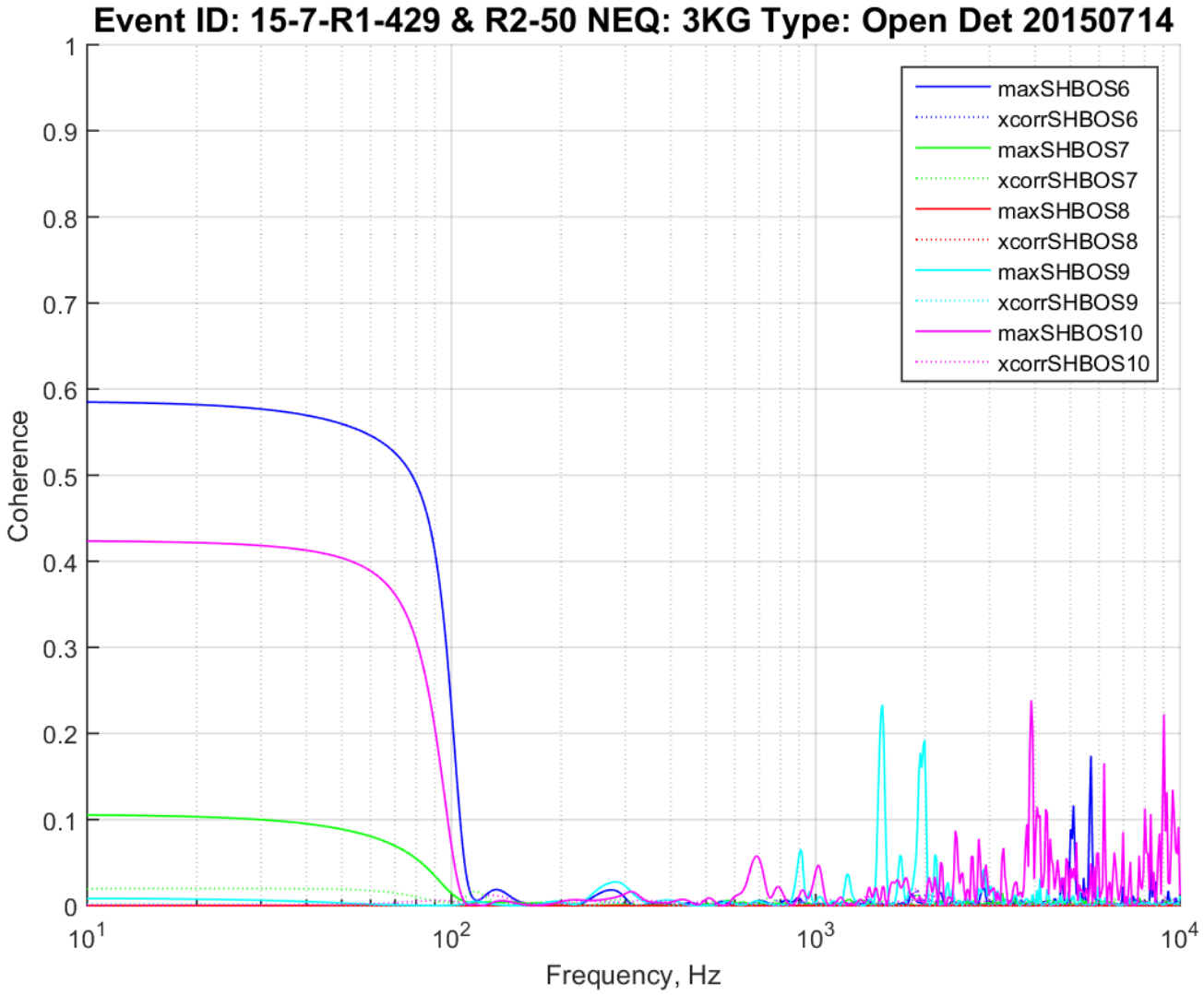


FIGURE 2.249: COHERENCE SHB_OS 6 - 10 15-7-R1-429 & R2-50CTD

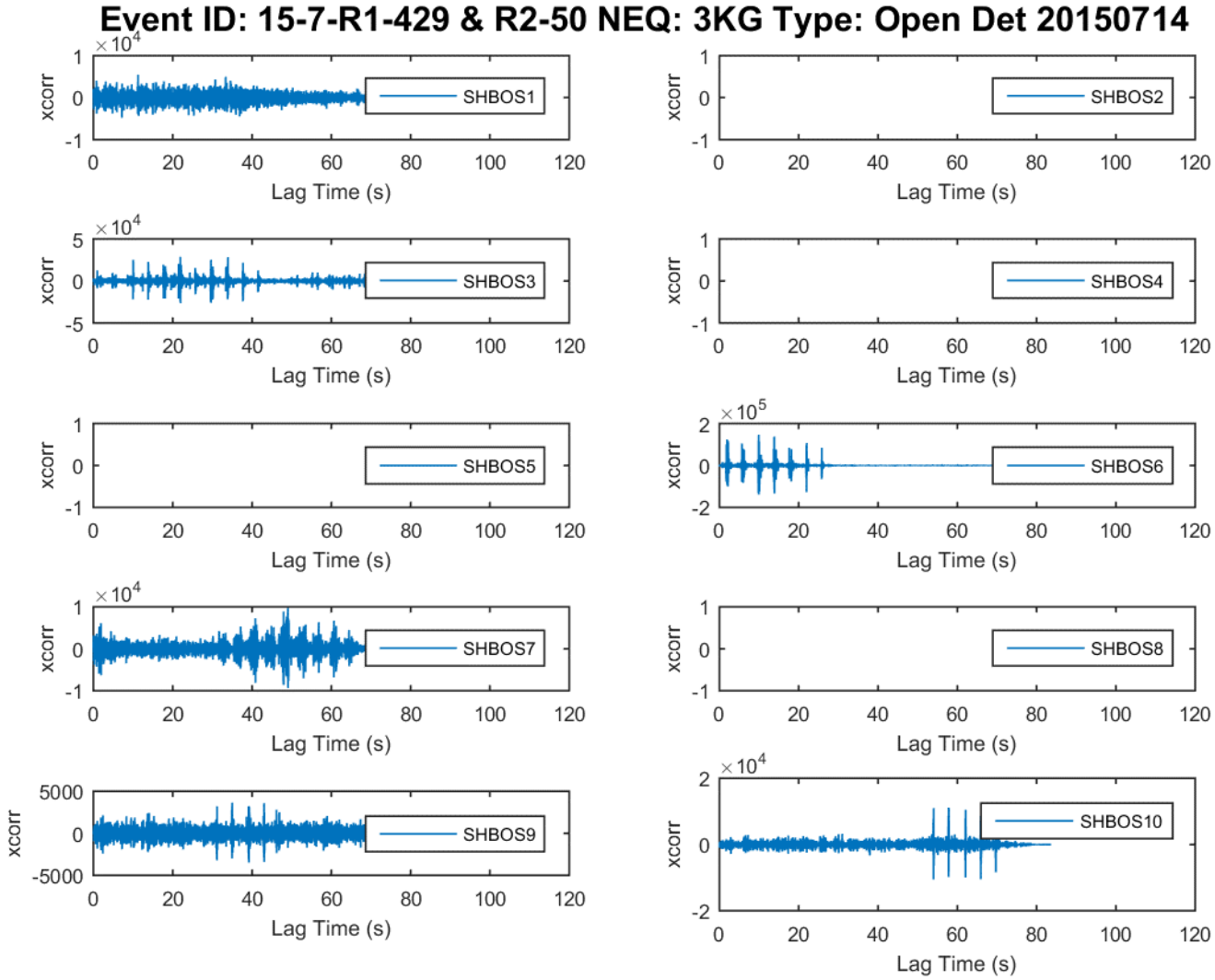


FIGURE 2.250: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-429 & R2-50

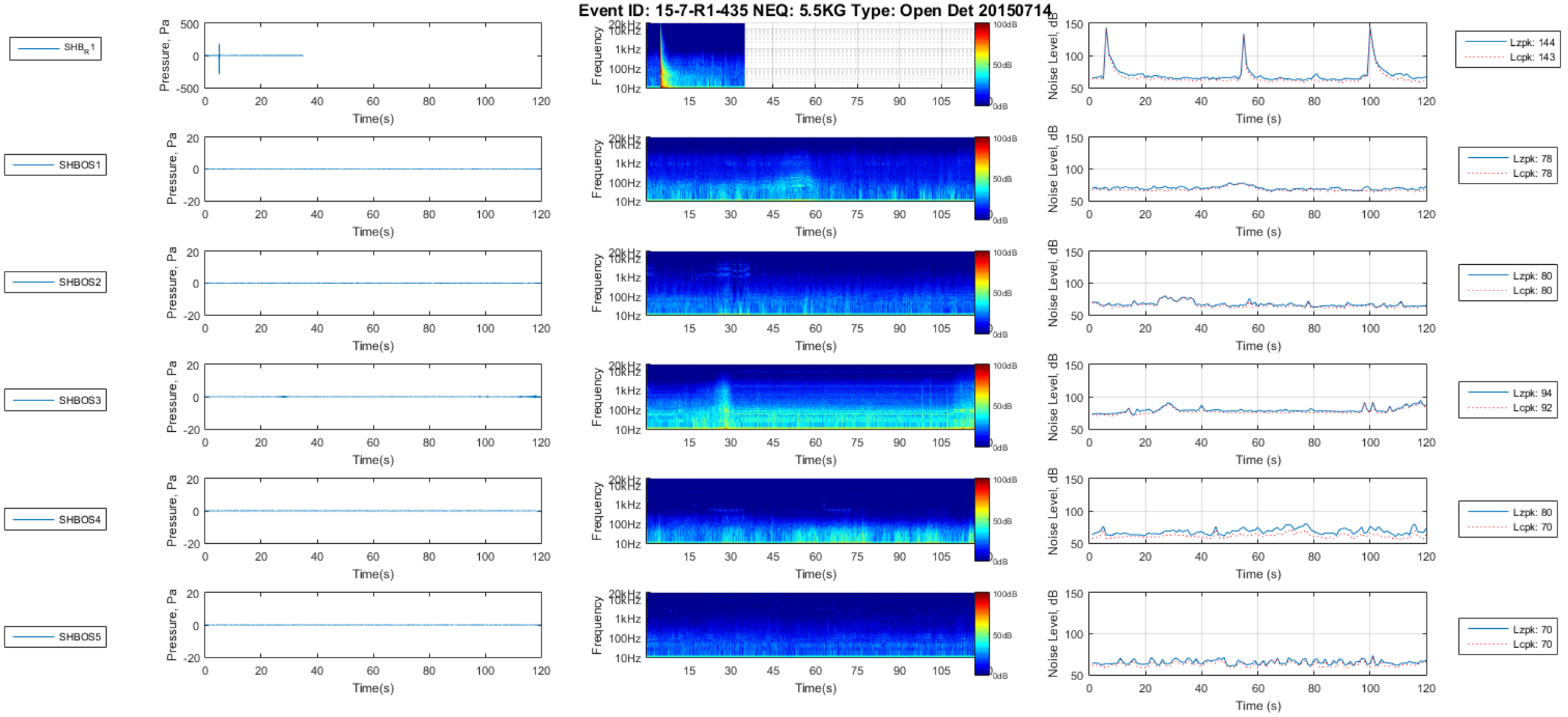


FIGURE 2.251: SHB_OS 1 - 5 15-7-R1-435

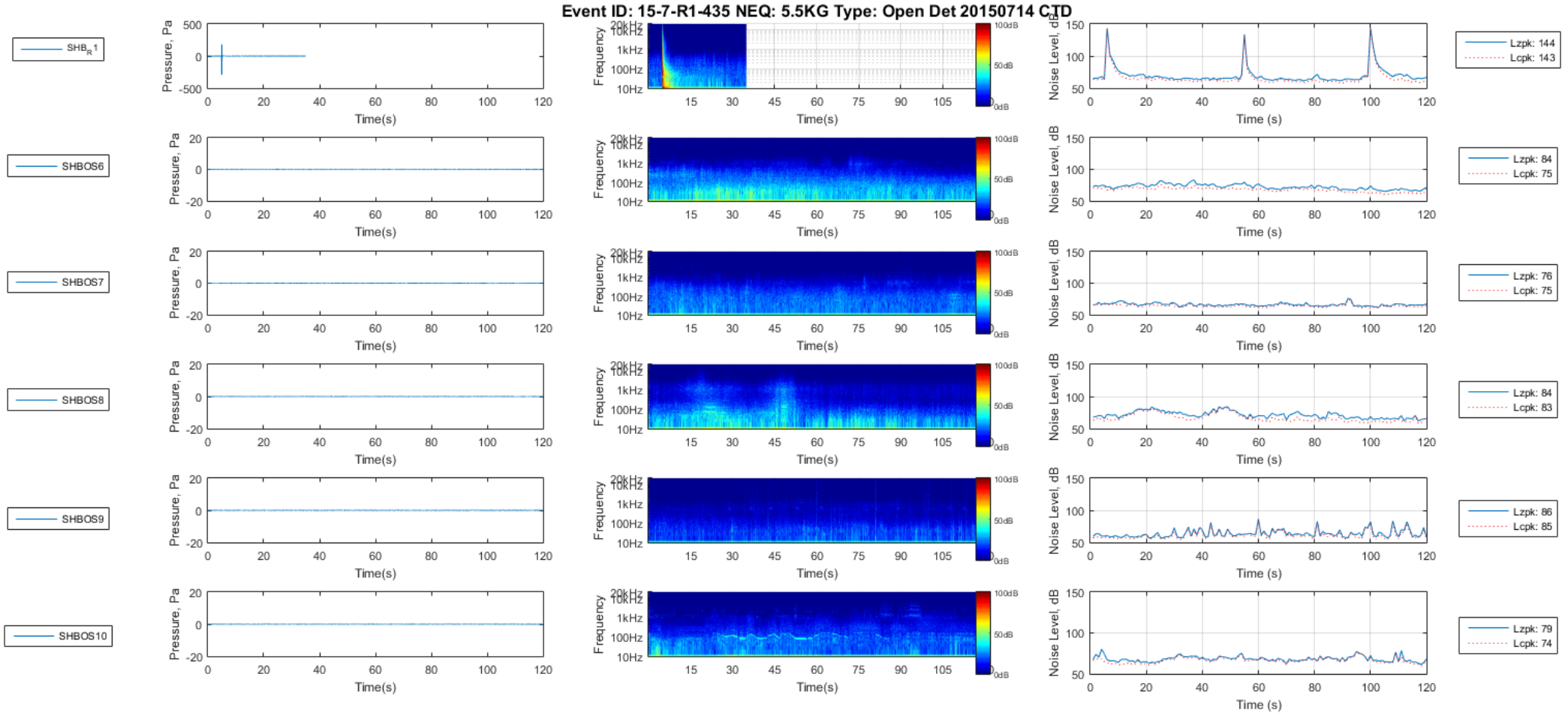


FIGURE 2.252: SHB_OS 6 - 10 15-7-R1-435

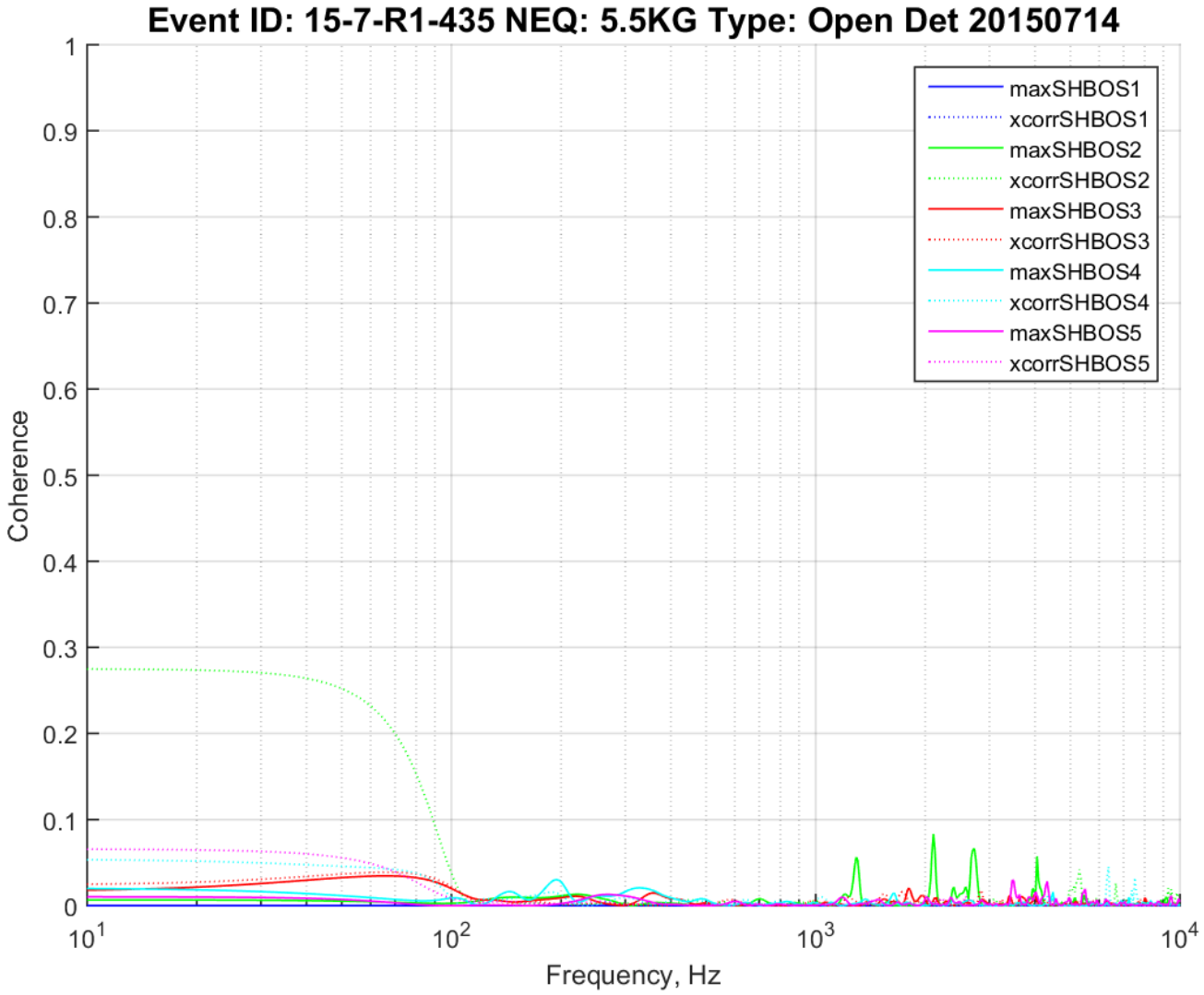


FIGURE 2.253: COHERENCE SHB_OS 1 - 5 15-7-R1-435

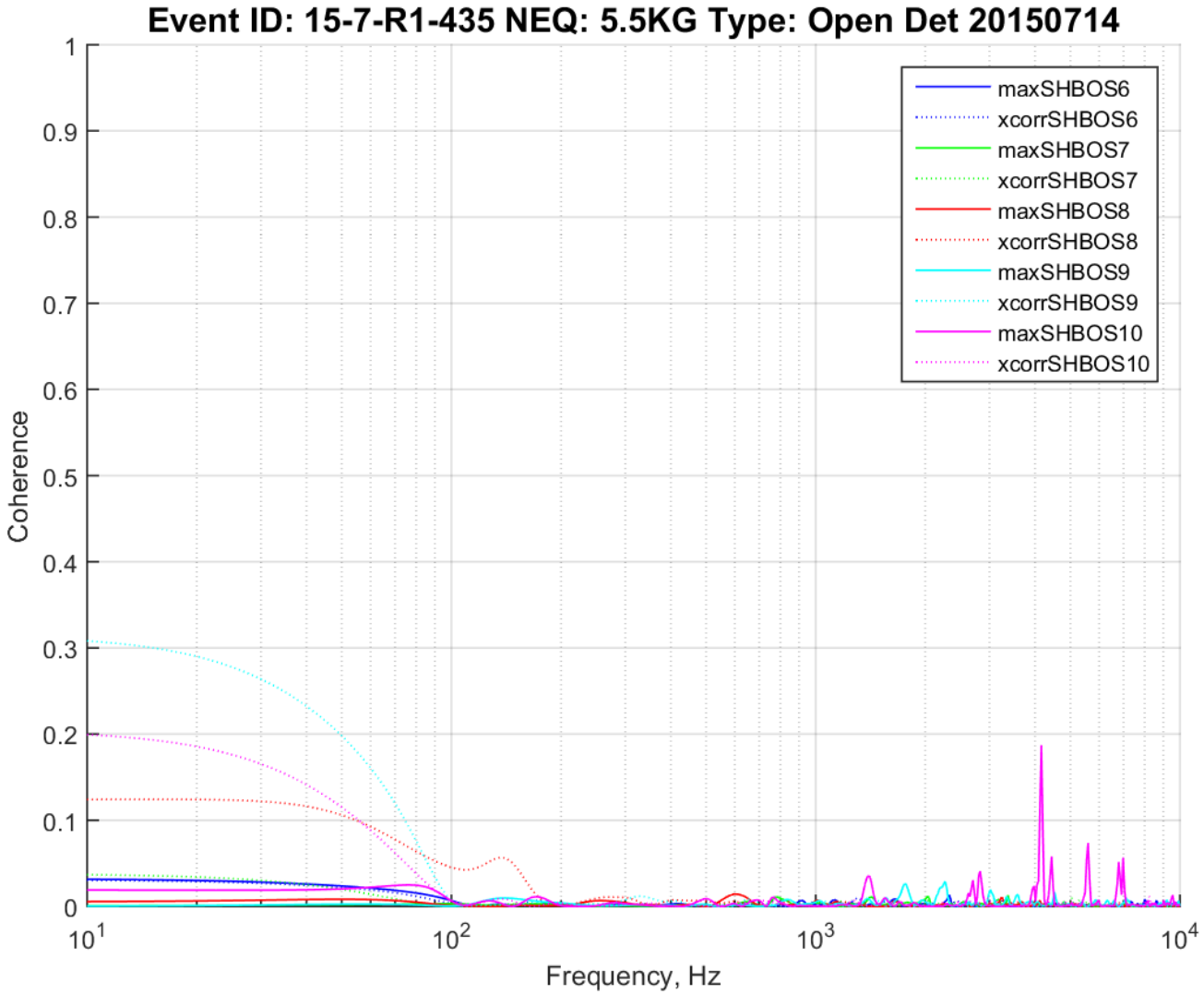


FIGURE 2.254: COHERENCE SHB_OS 6 - 10 15-7-R1-435CTD

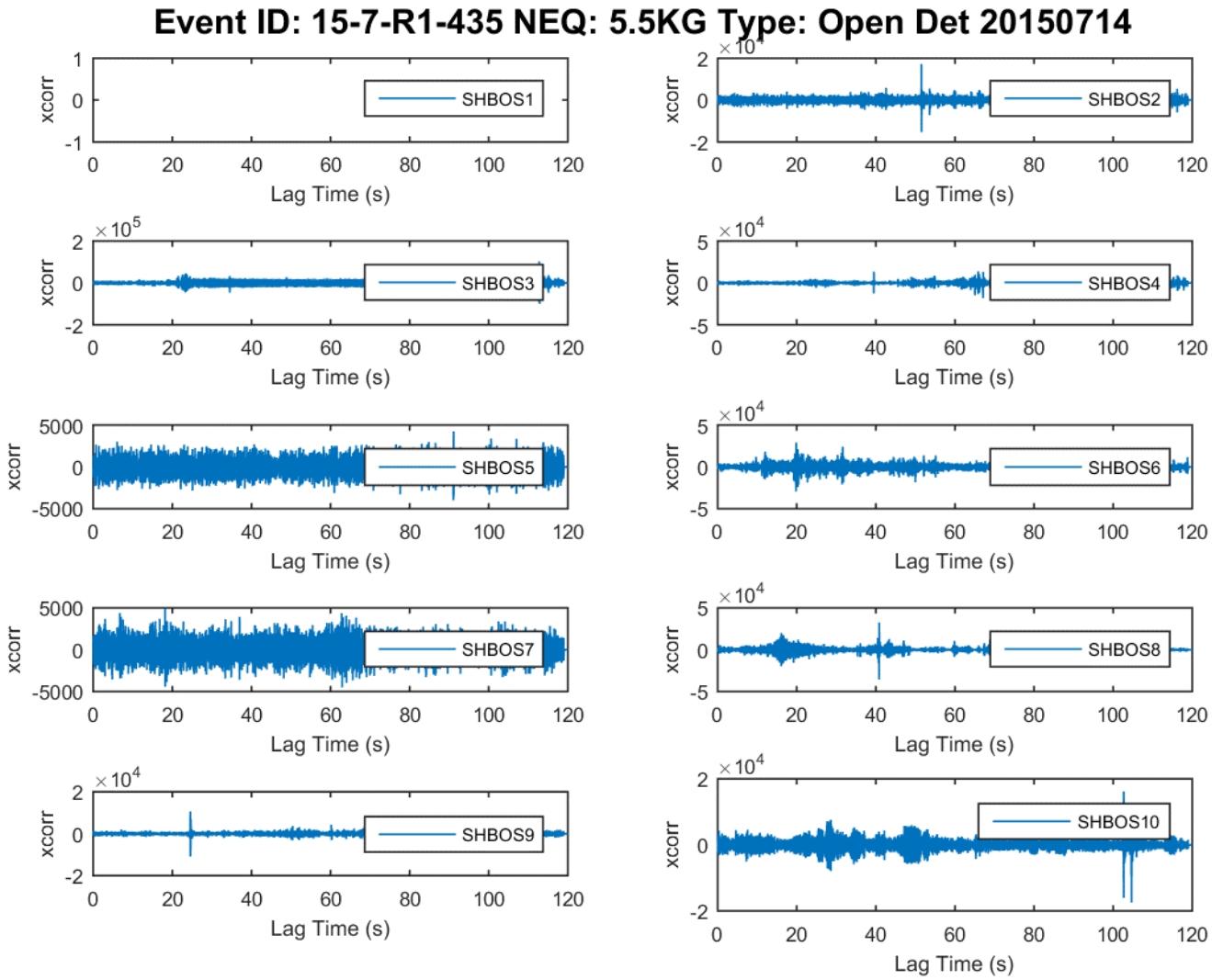


FIGURE 2.255: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-435

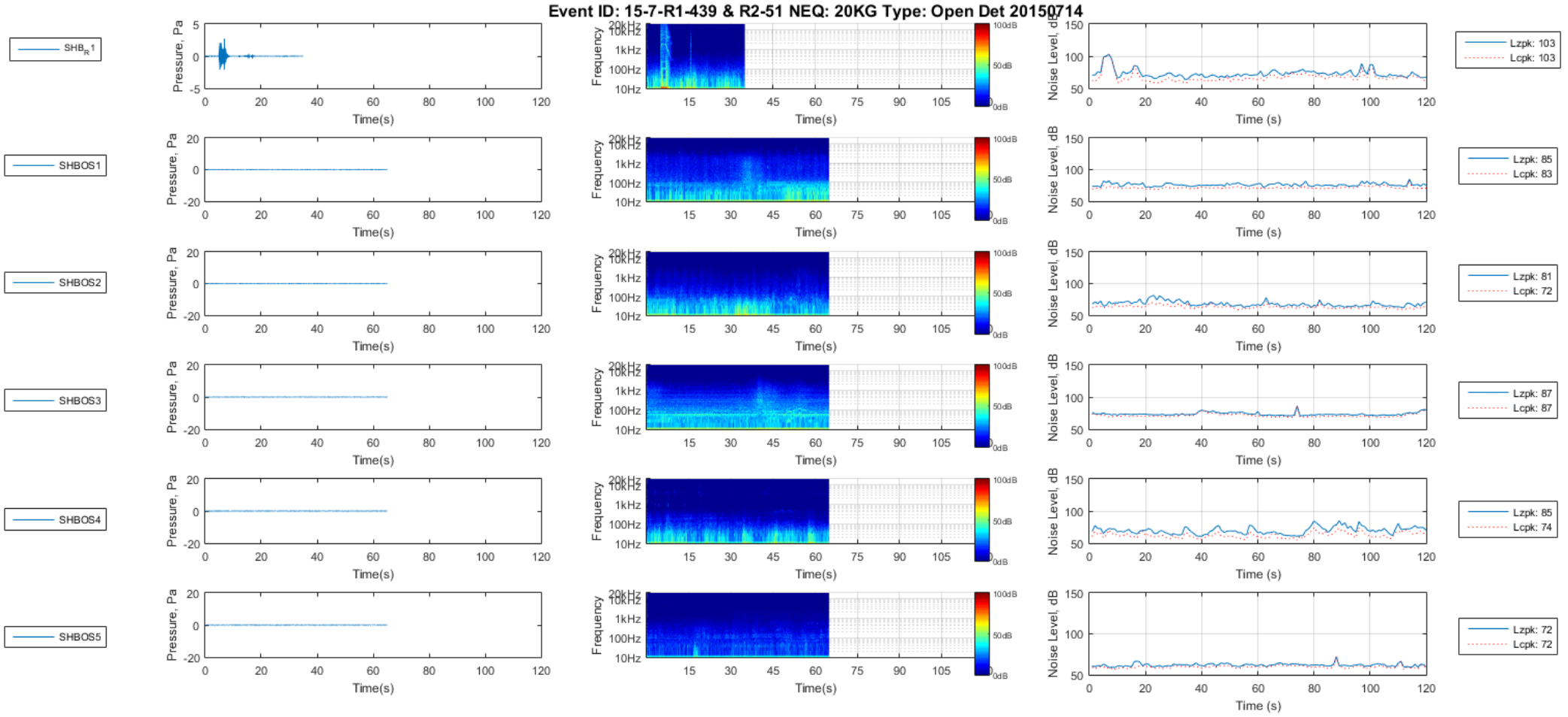


FIGURE 2.256: SHB_OS 1 - 5 15-7-R1-439 & R2-51

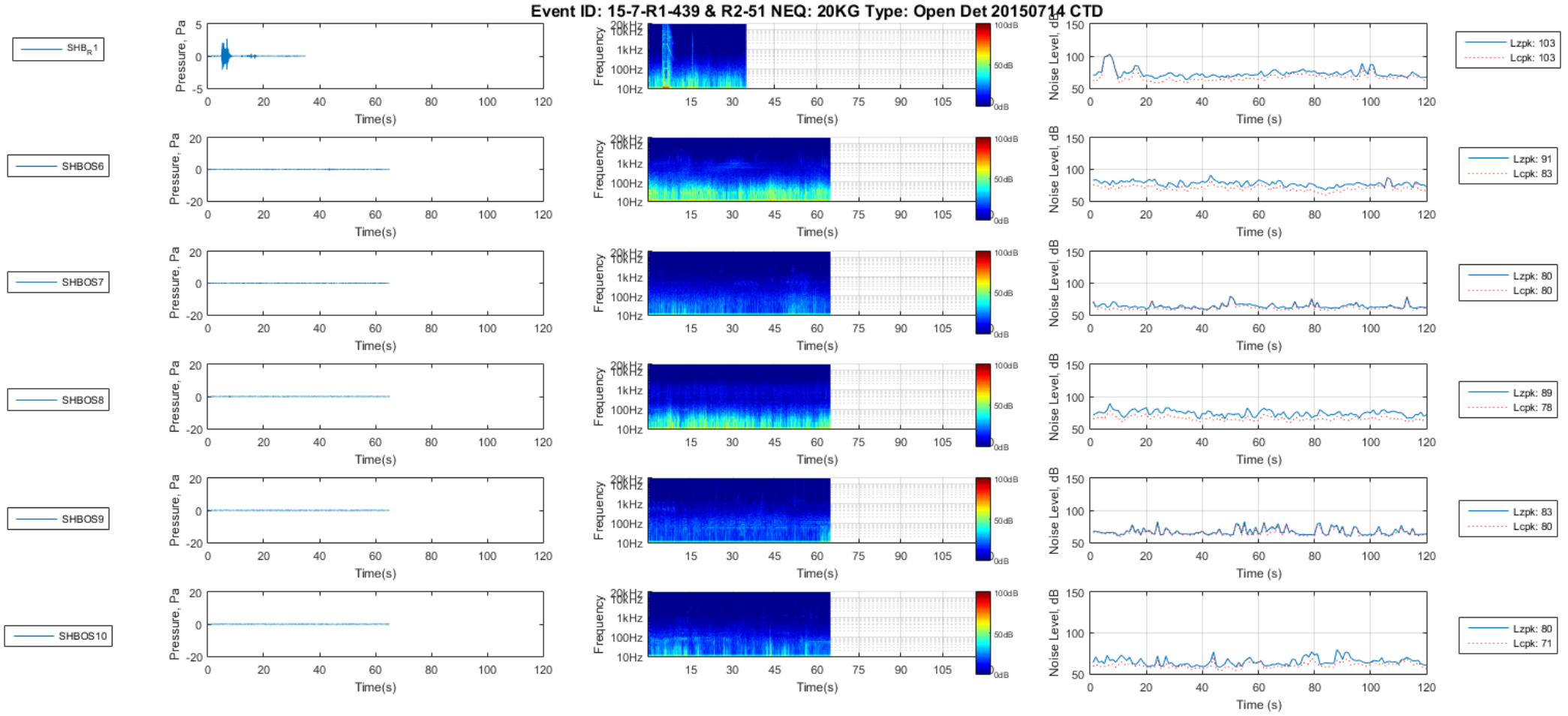


FIGURE 2.257: SHB_OS 6 - 10 15-7-R1-439 & R2-51

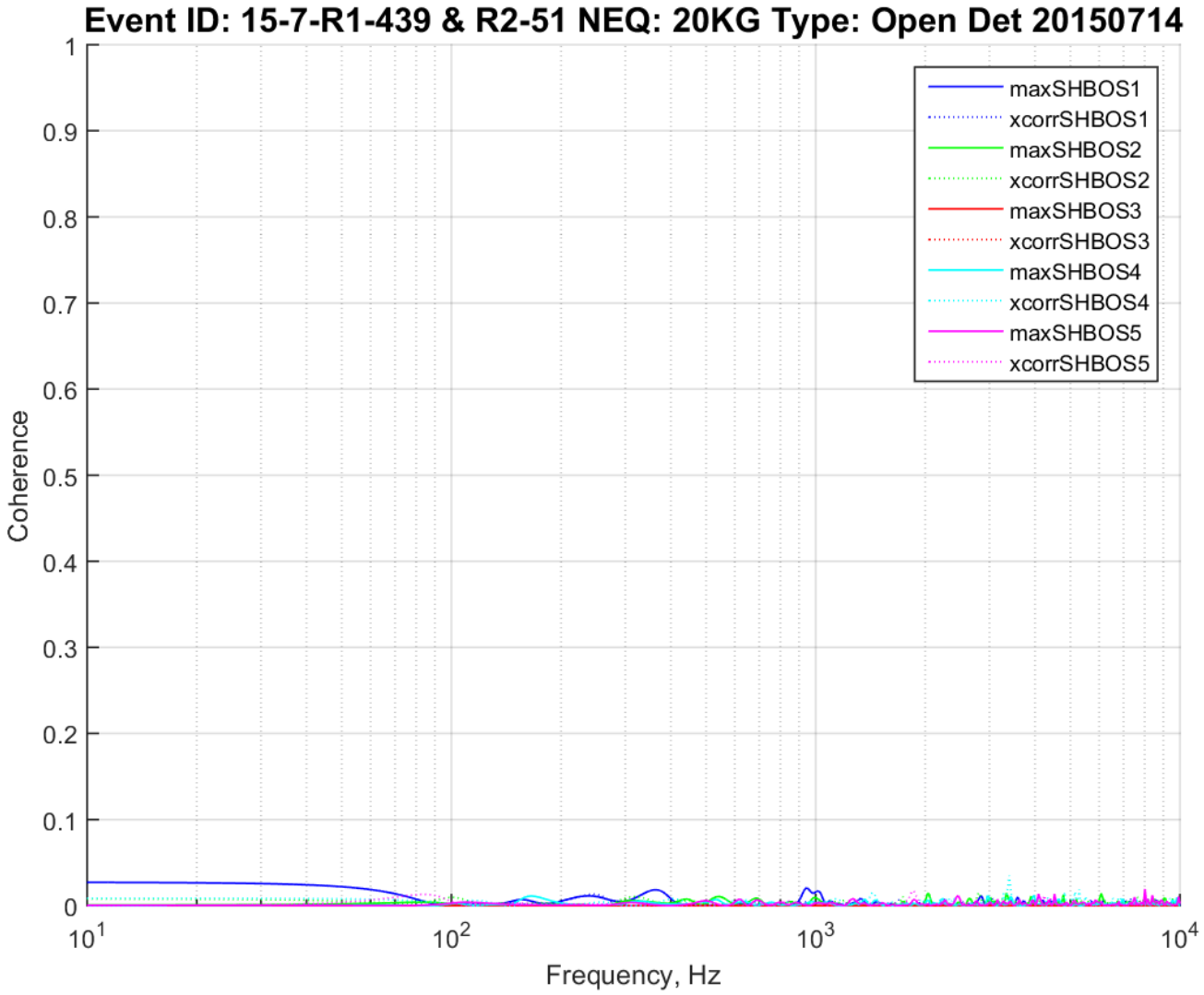


FIGURE 2.258: COHERENCE SHB_OS 1 - 5 15-7-R1-439 & R2-51

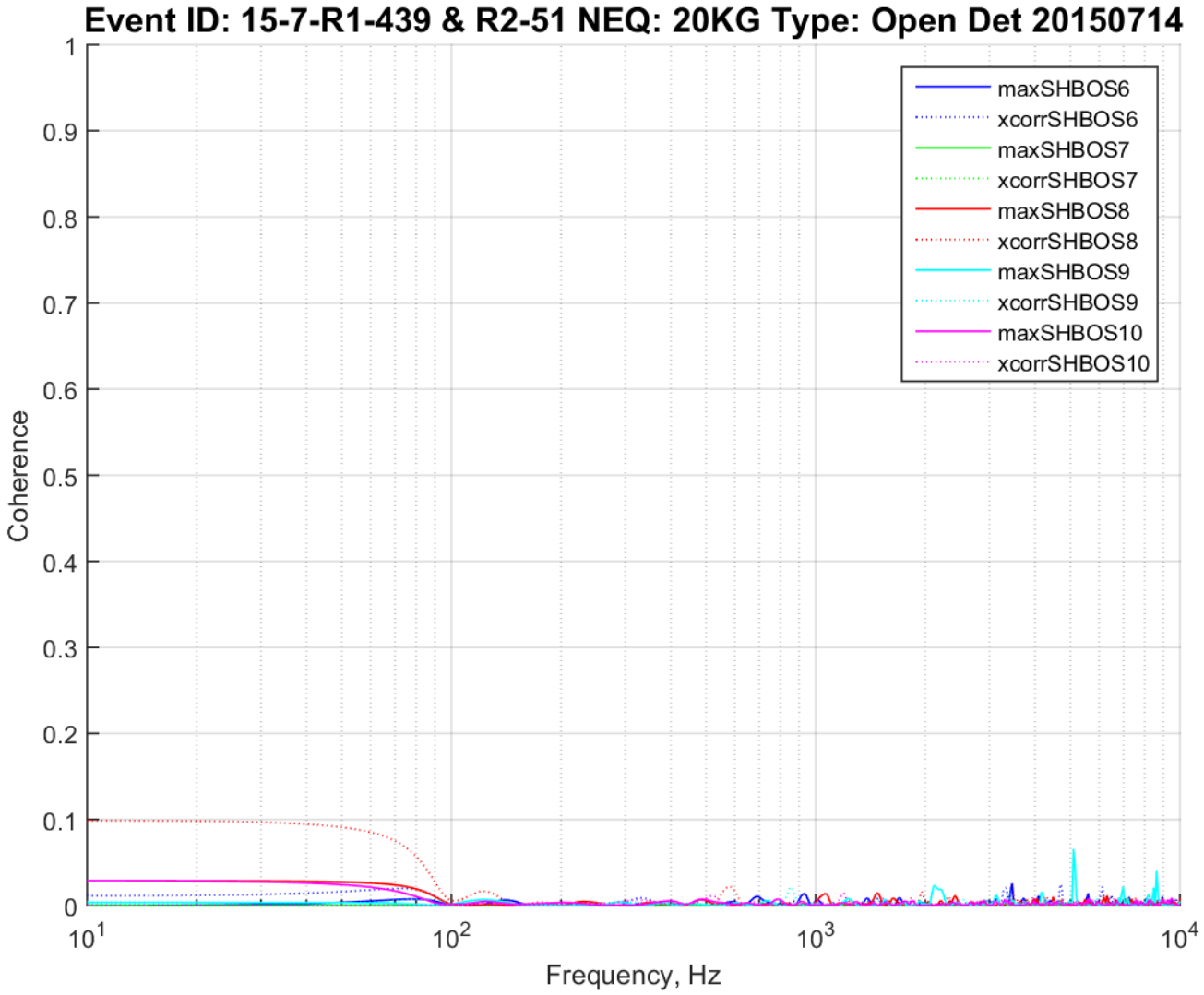


FIGURE 2.259: COHERENCE SHB_OS 6 - 10 15-7-R1-439 & R2-51CTD

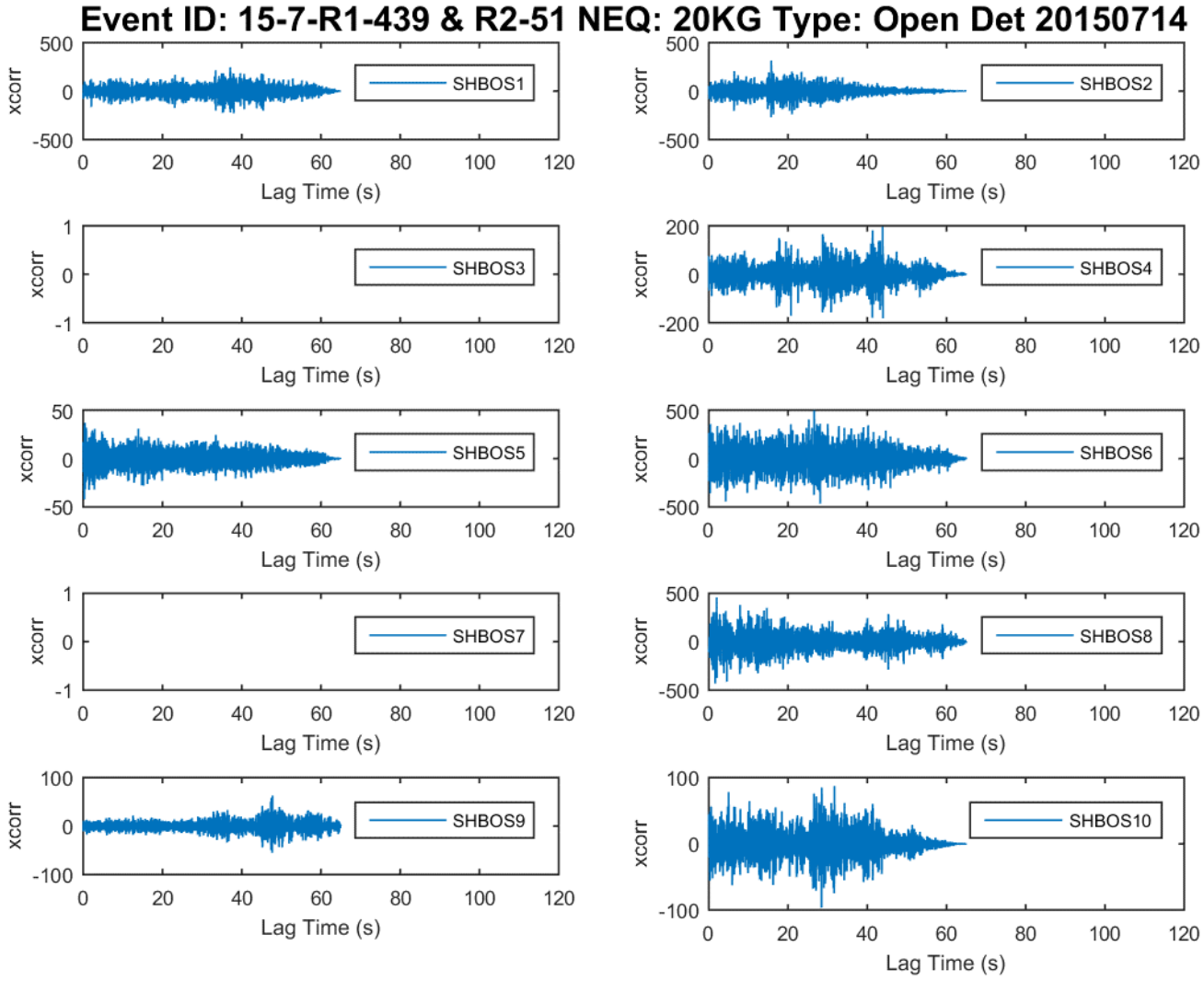
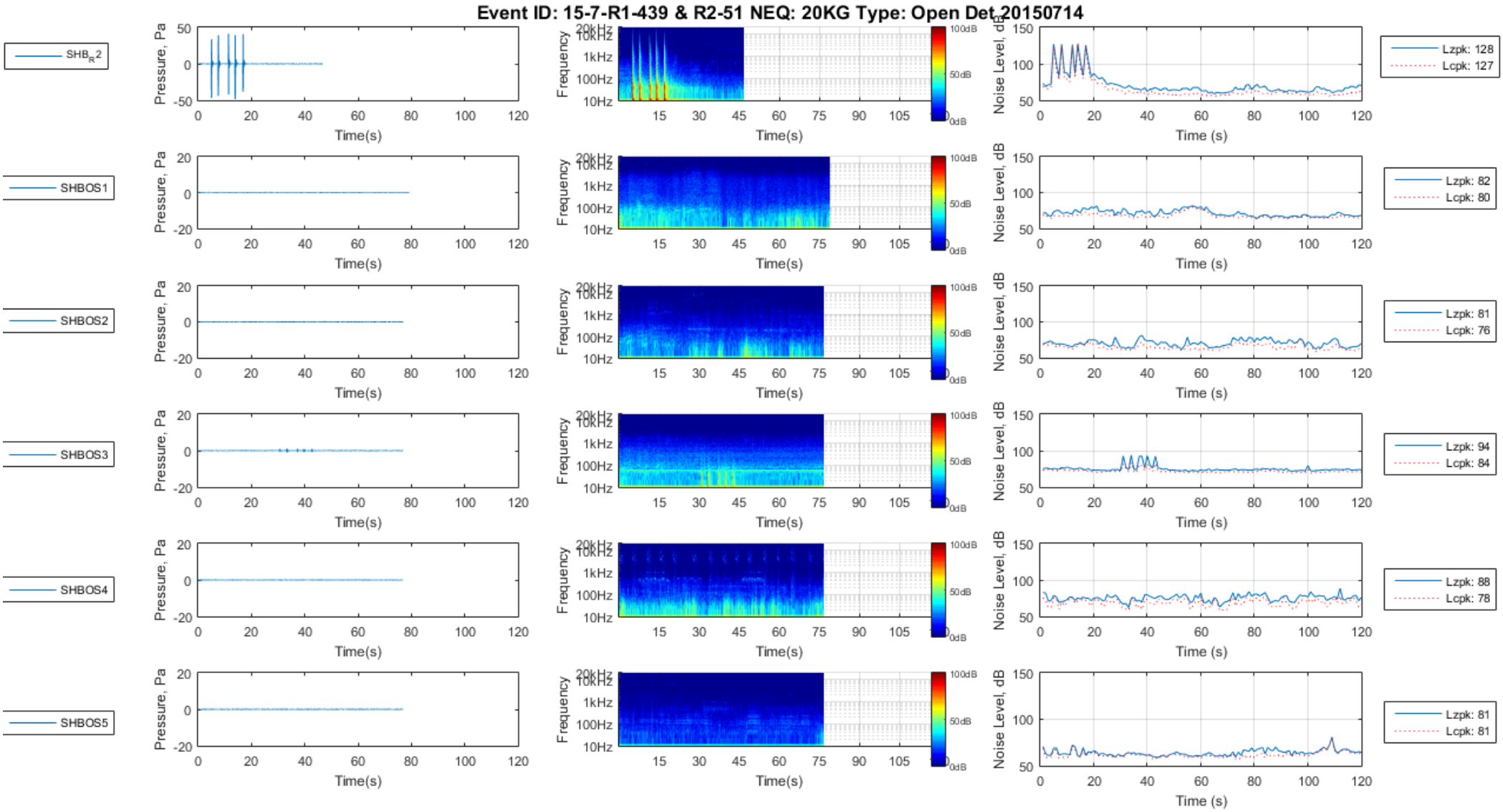
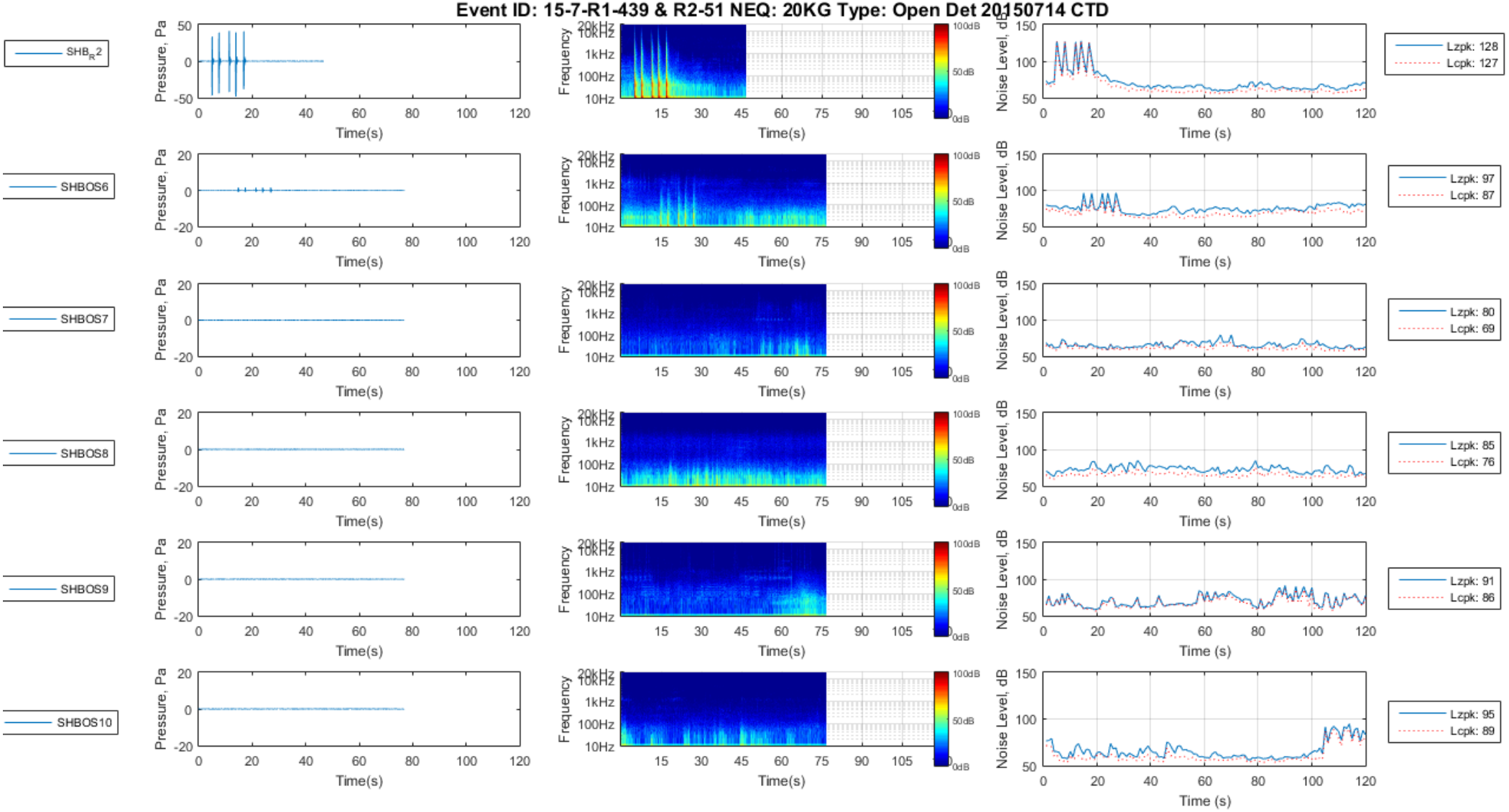


FIGURE 2.260: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-439 & R2-51


Event ID: 15-7-R1-439 & R2-51 NEQ: 20KG Type: Open Det 20150714
SHB$_R$2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 128
Lcpk: 127
Lzpk: 82
Lcpk: 80
Lzpk: 81
Lcpk: 76
Lzpk: 94
Lcpk: 84
Lzpk: 88
Lcpk: 78
Lzpk: 81
Lcpk: 81


Event ID: 15-7-R1-439 & R2-51 NEQ: 20KG Type: Open Det 20150714 CTD
SHB$_R$2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 128
Lcpk: 127
Lzpk: 97
Lcpk: 87
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Lcpk: 86
Lzpk: 95
Lcpk: 89

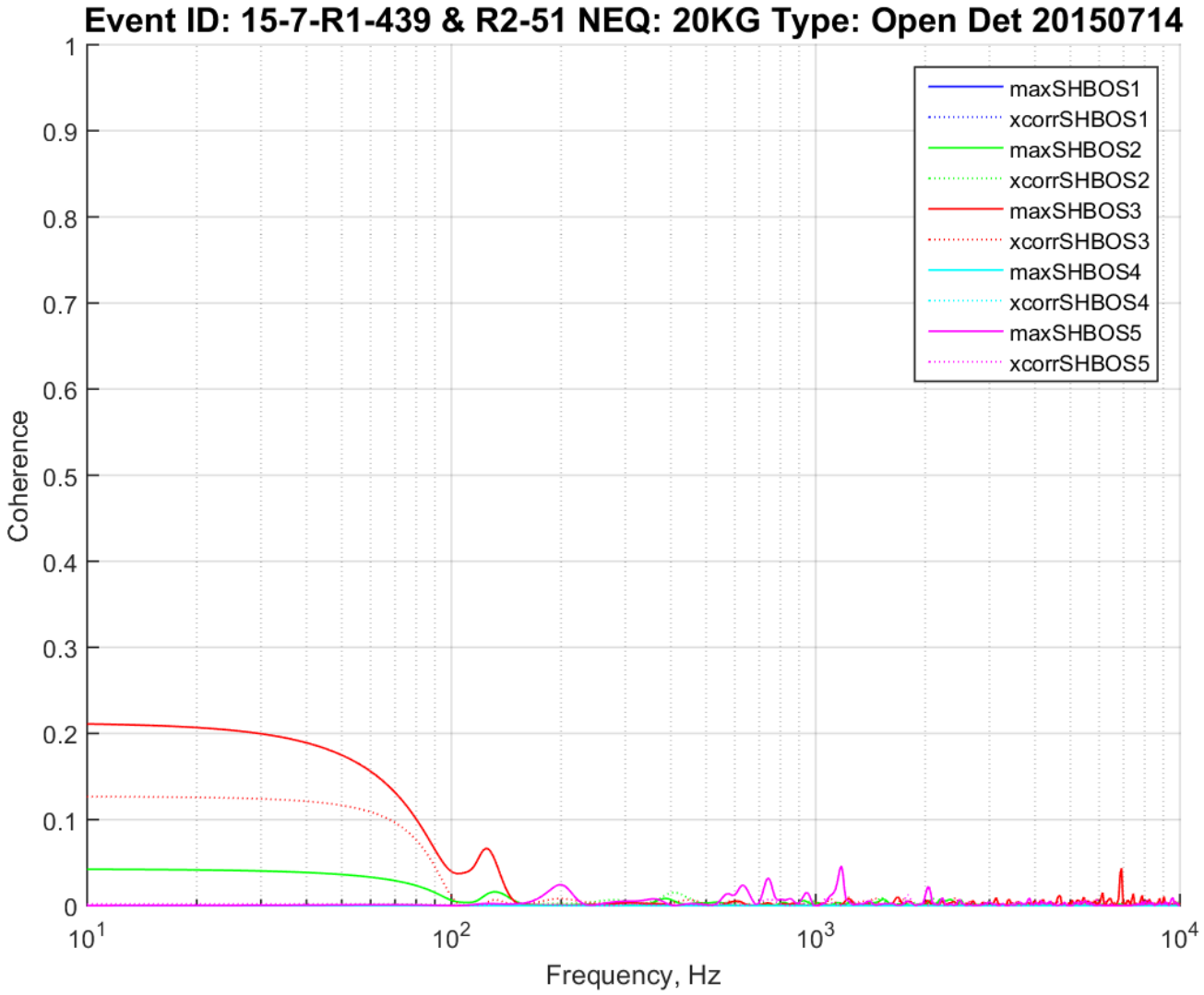


FIGURE 2.263: COHERENCE SHB_OS 1 - 5 15-7-R1-439 & R2-51

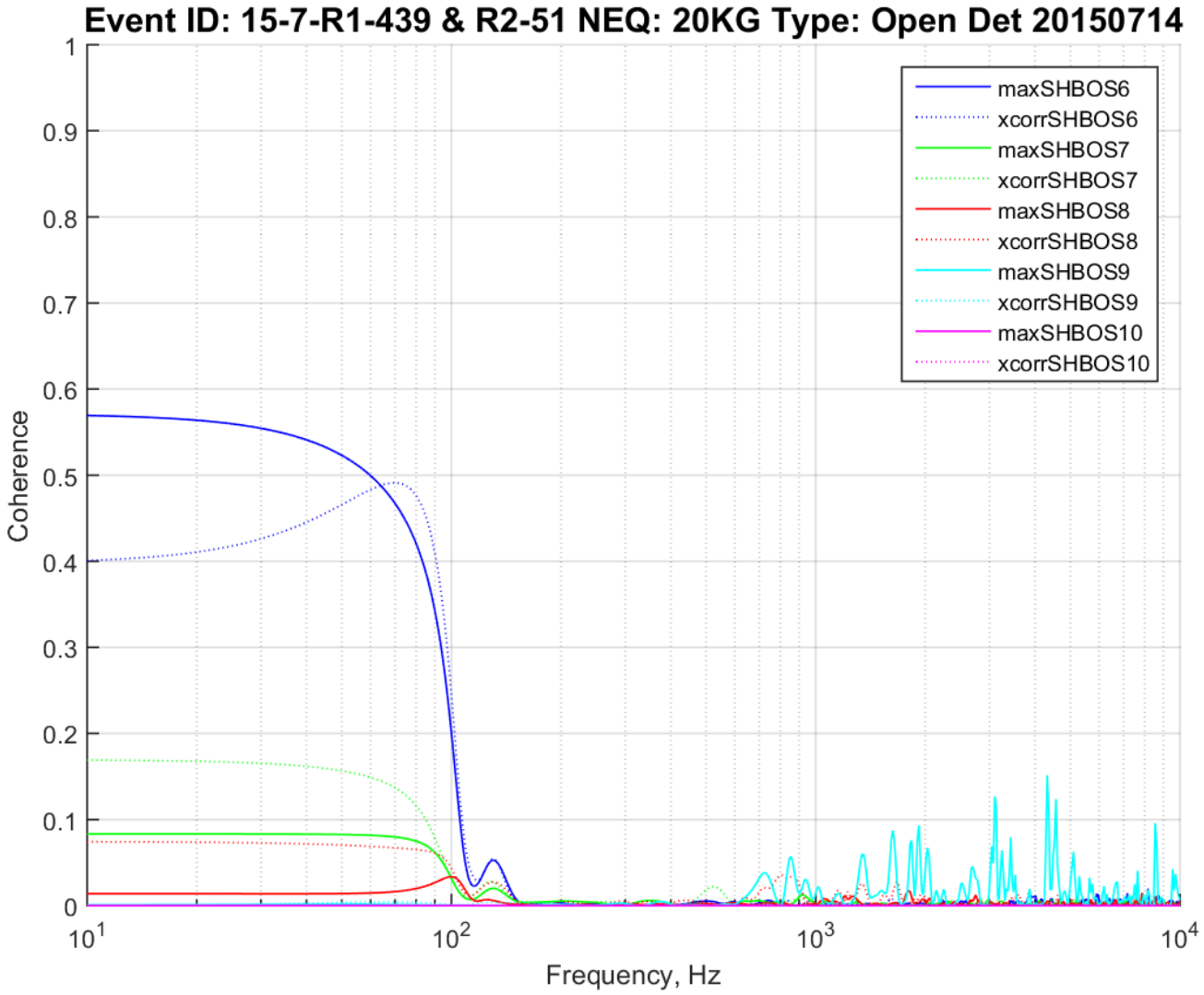


FIGURE 2.264: COHERENCE SHB_OS 6 - 10 15-7-R1-439 & R2-51CTD

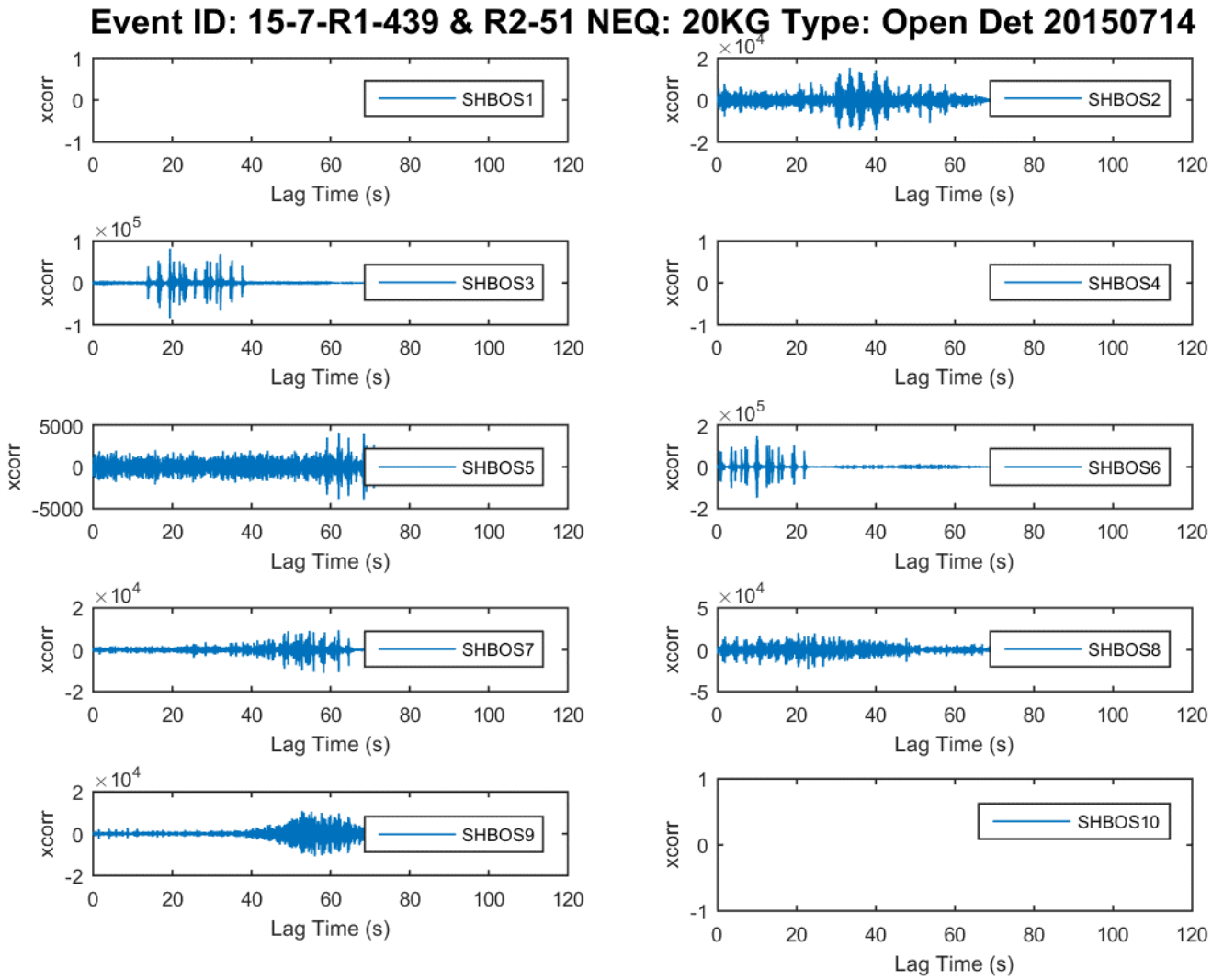


FIGURE 2.265: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-439 & R2-51

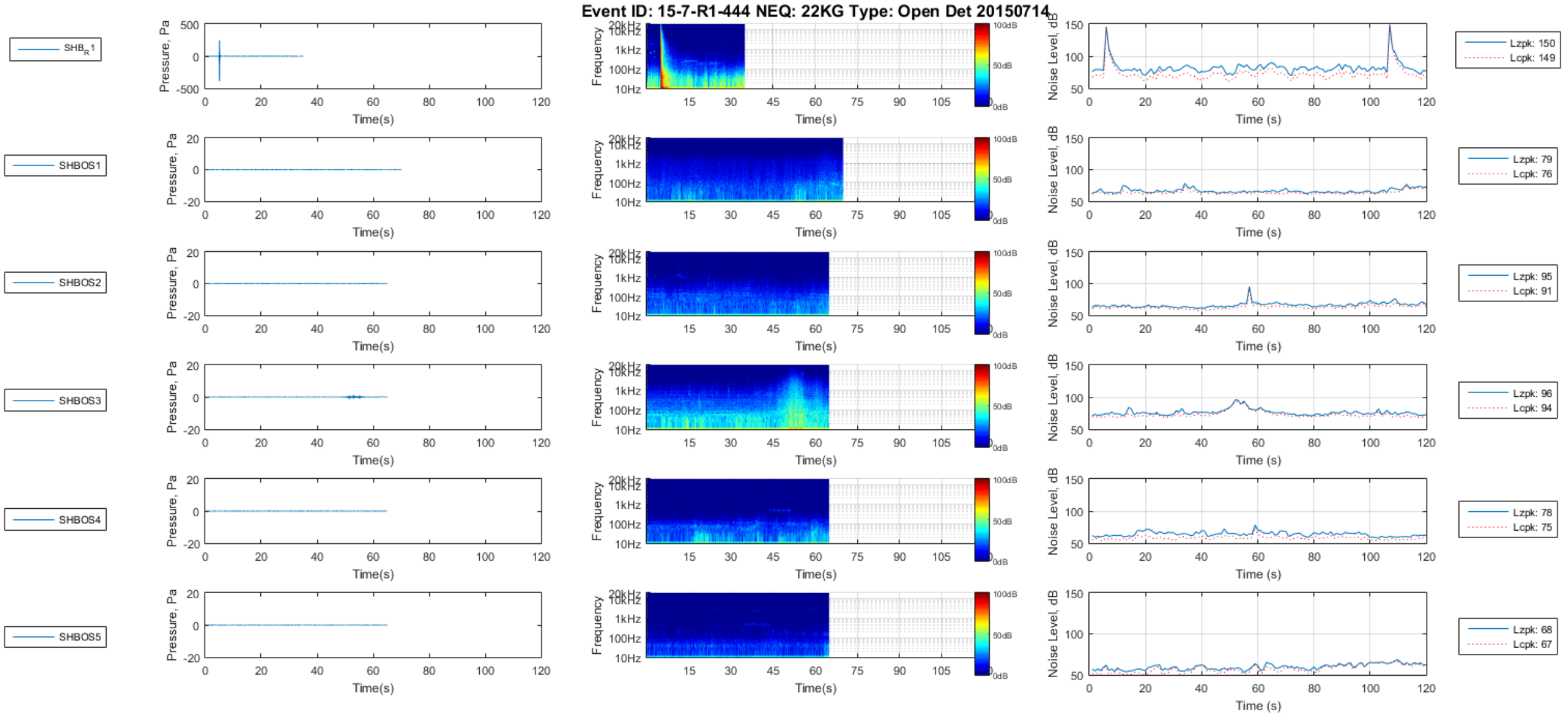


FIGURE 2.266: SHB_OS 1 - 5 15-7-R1-444

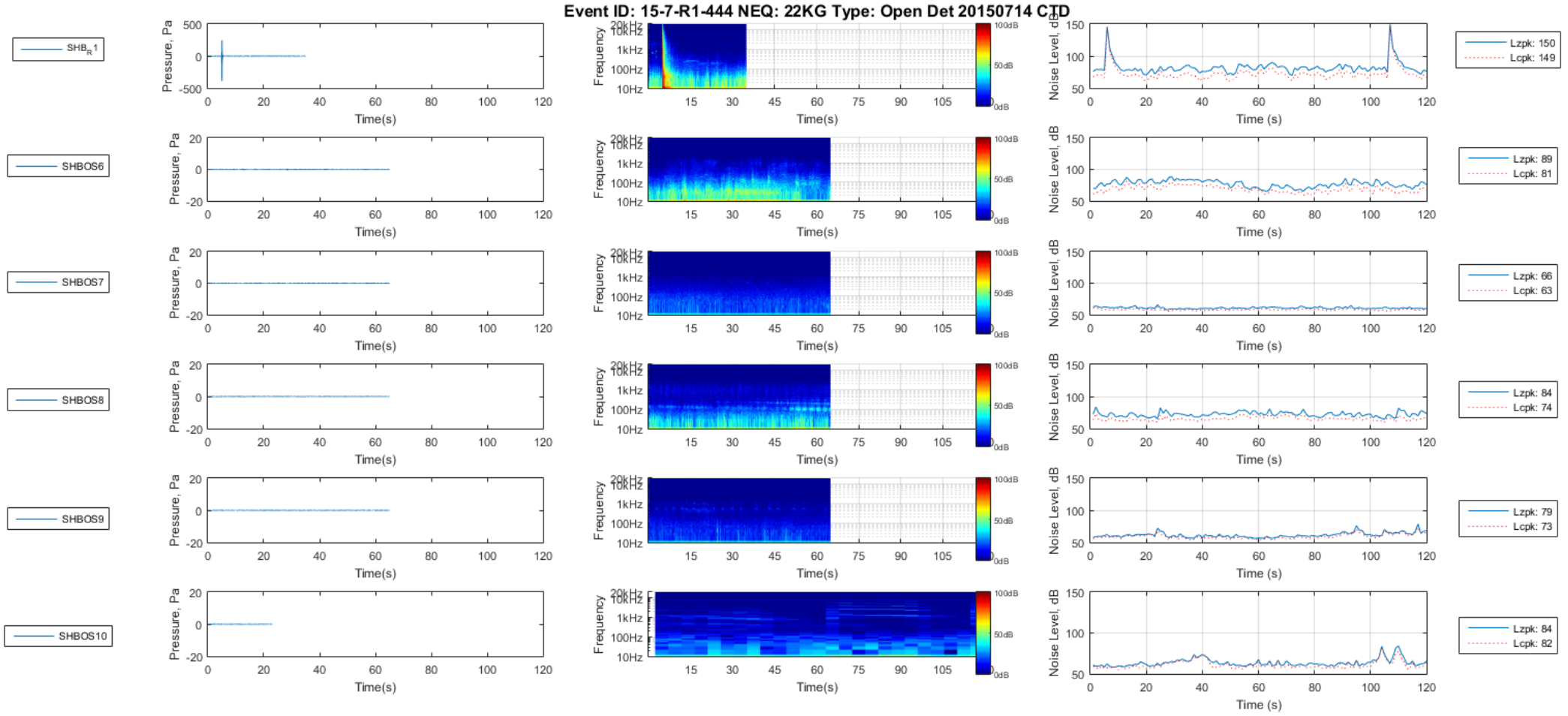


FIGURE 2.267: SHB_OS 6 - 10 15-7-R1-444

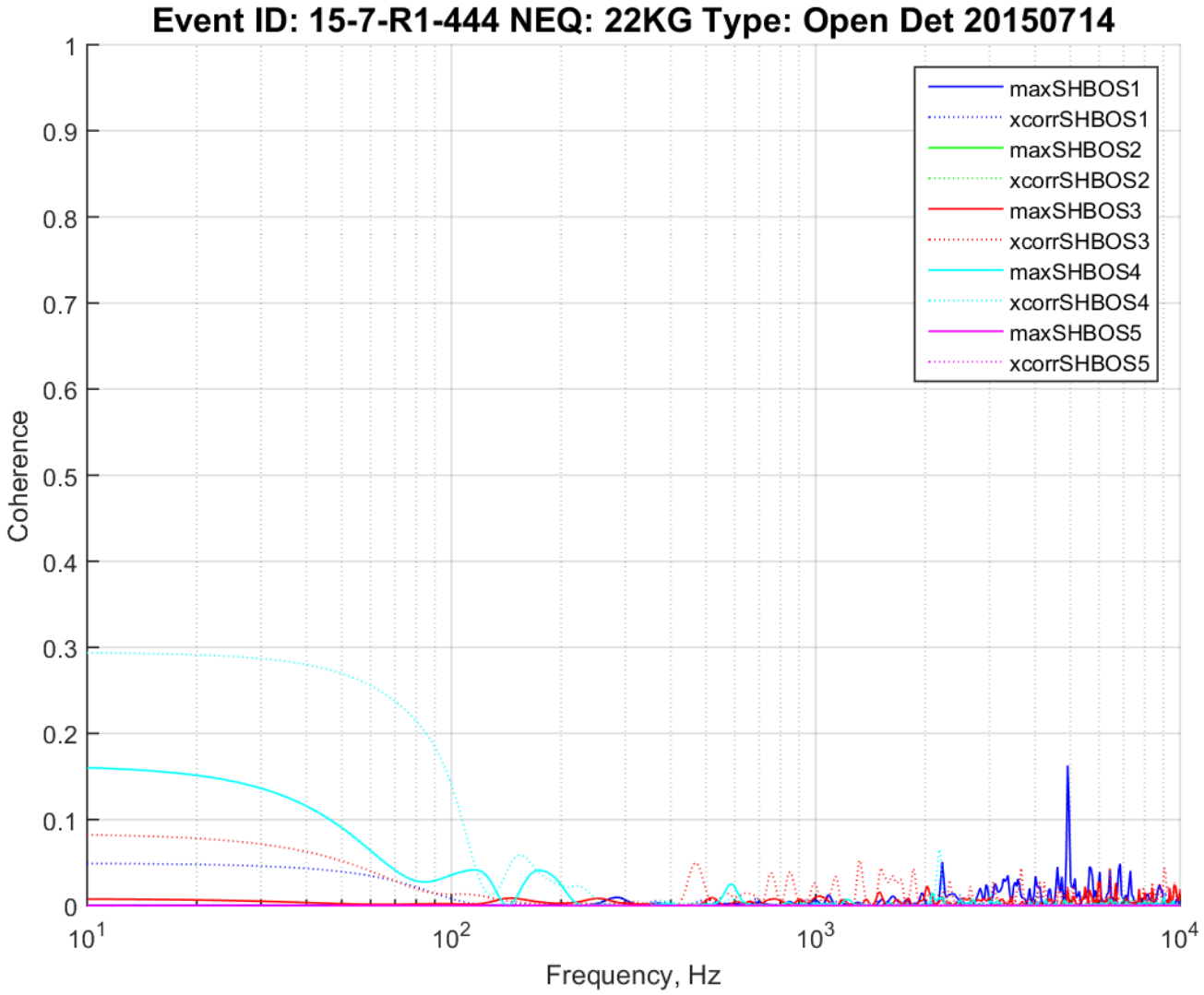


FIGURE 2.268: COHERENCE SHB_OS 1 - 5 15-7-R1-444

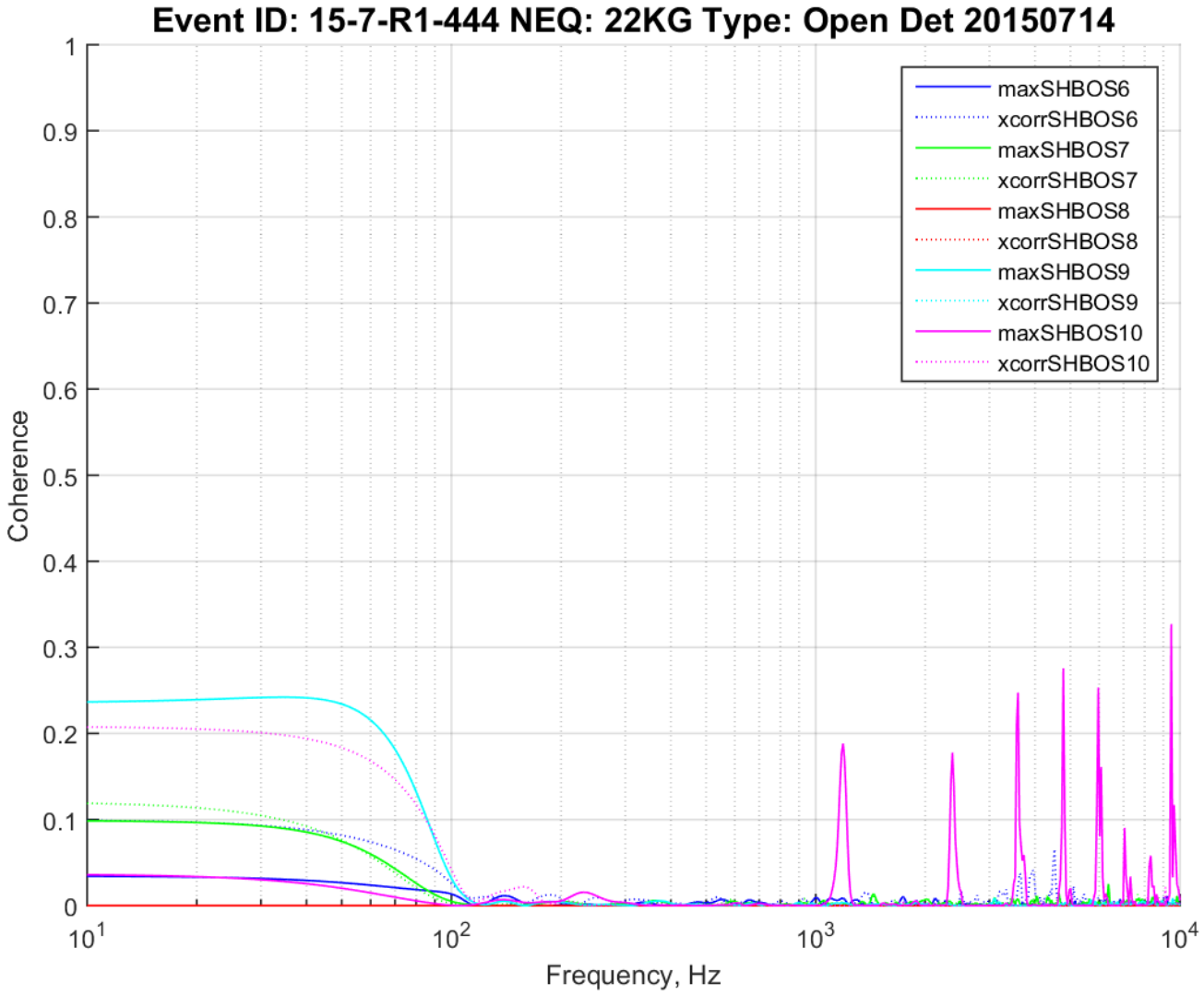


FIGURE 2.269: COHERENCE SHB_OS 6 - 10 15-7-R1-444CTD

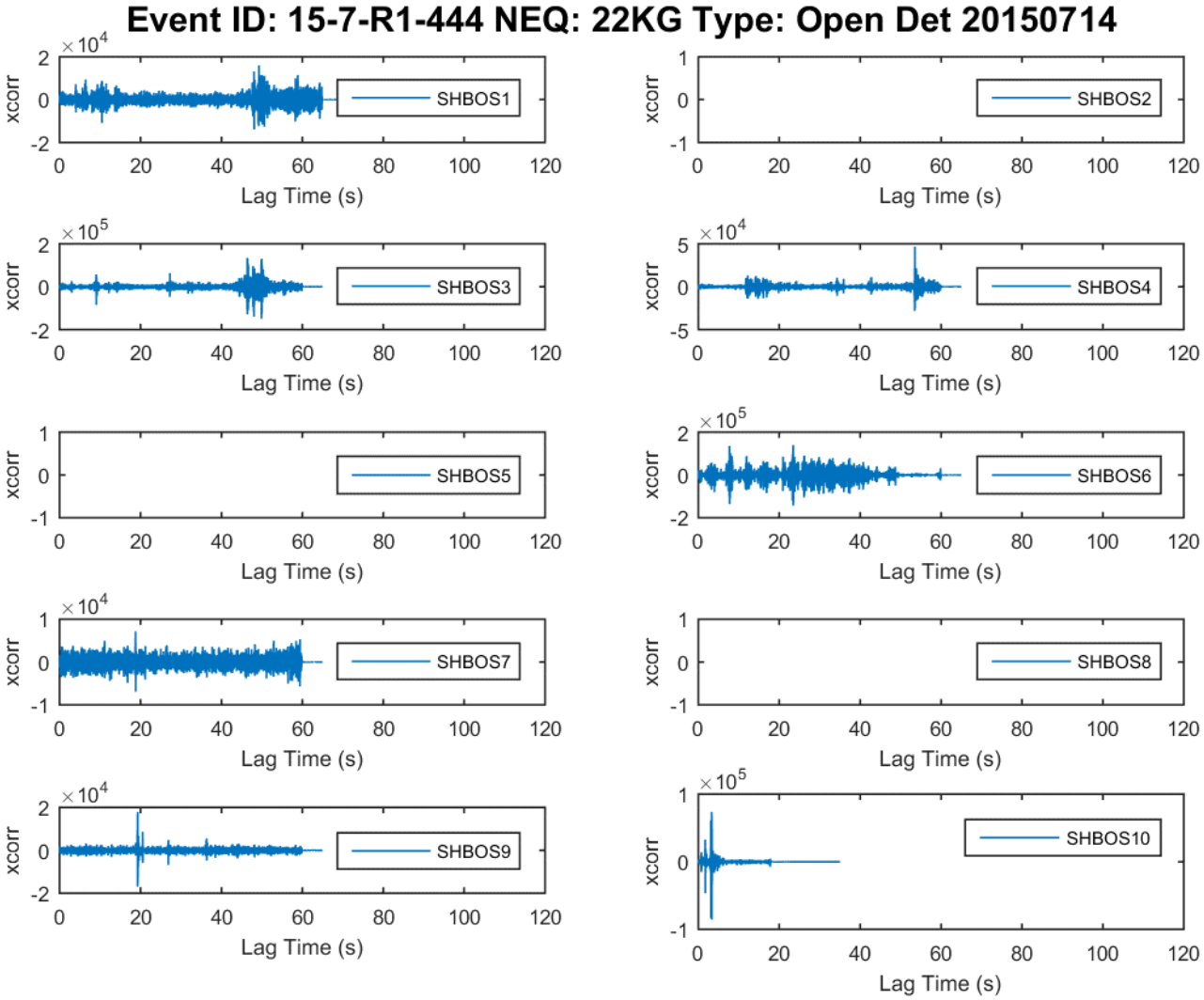


FIGURE 2.270: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-444

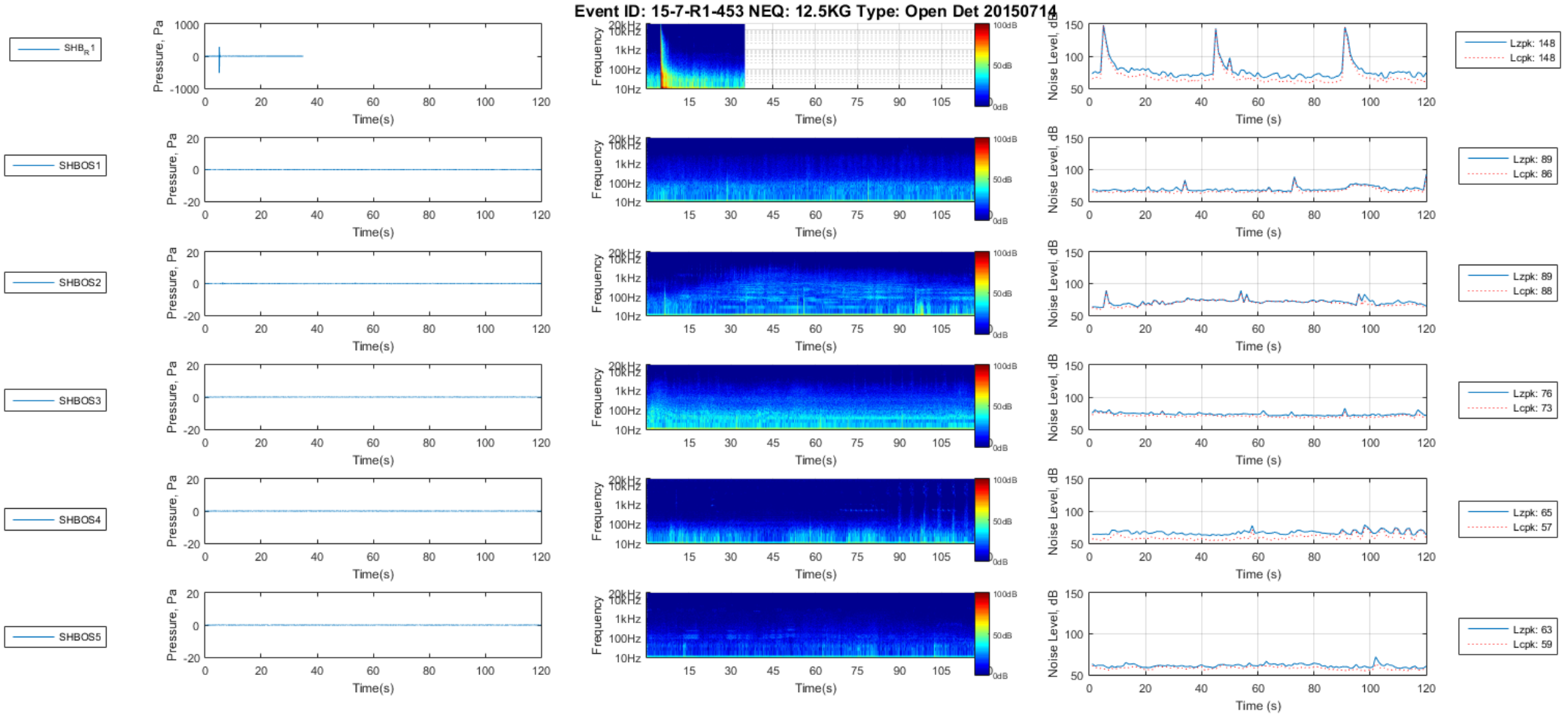


FIGURE 2.271: SHB_OS 1 - 5 15-7-R1-453

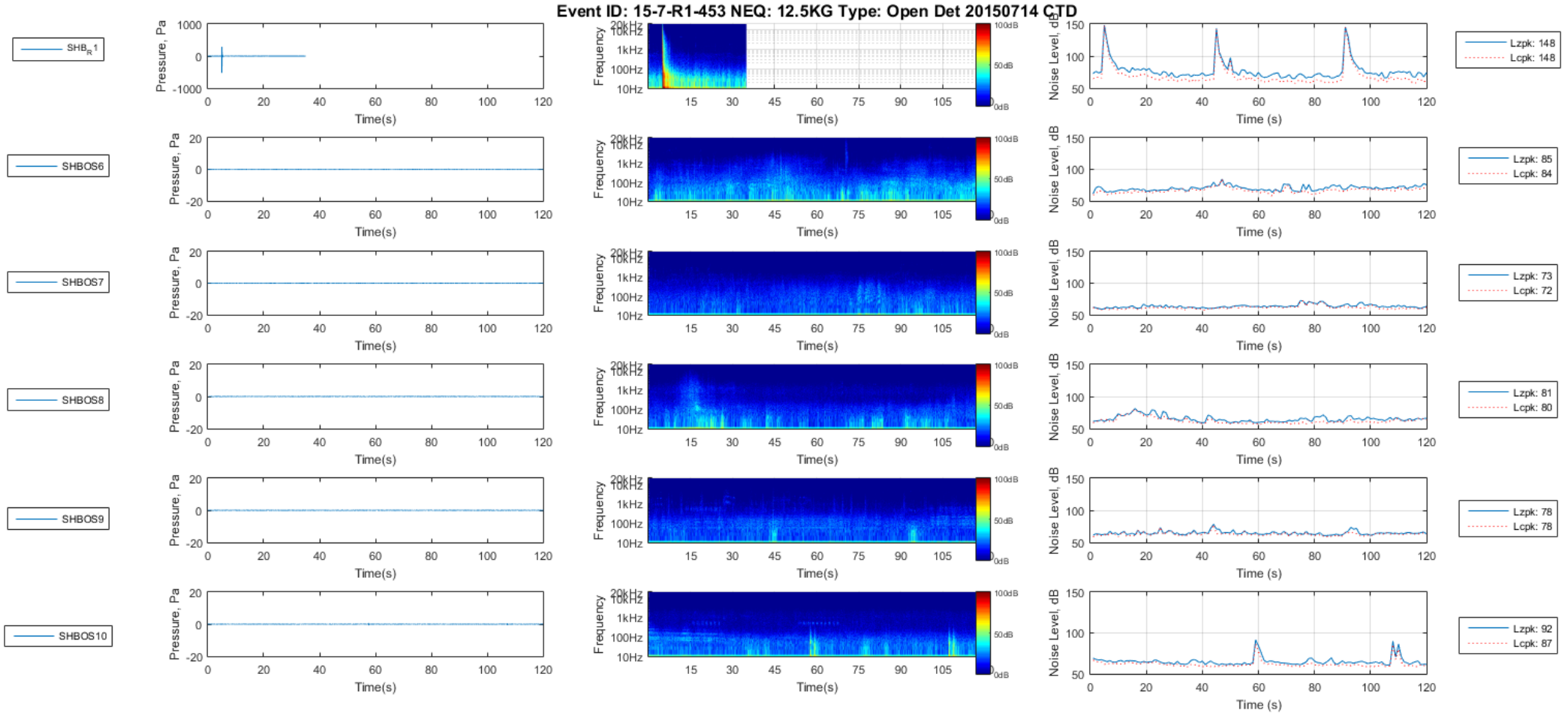


FIGURE 2.272: SHB_OS 6 - 10 15-7-R1-453

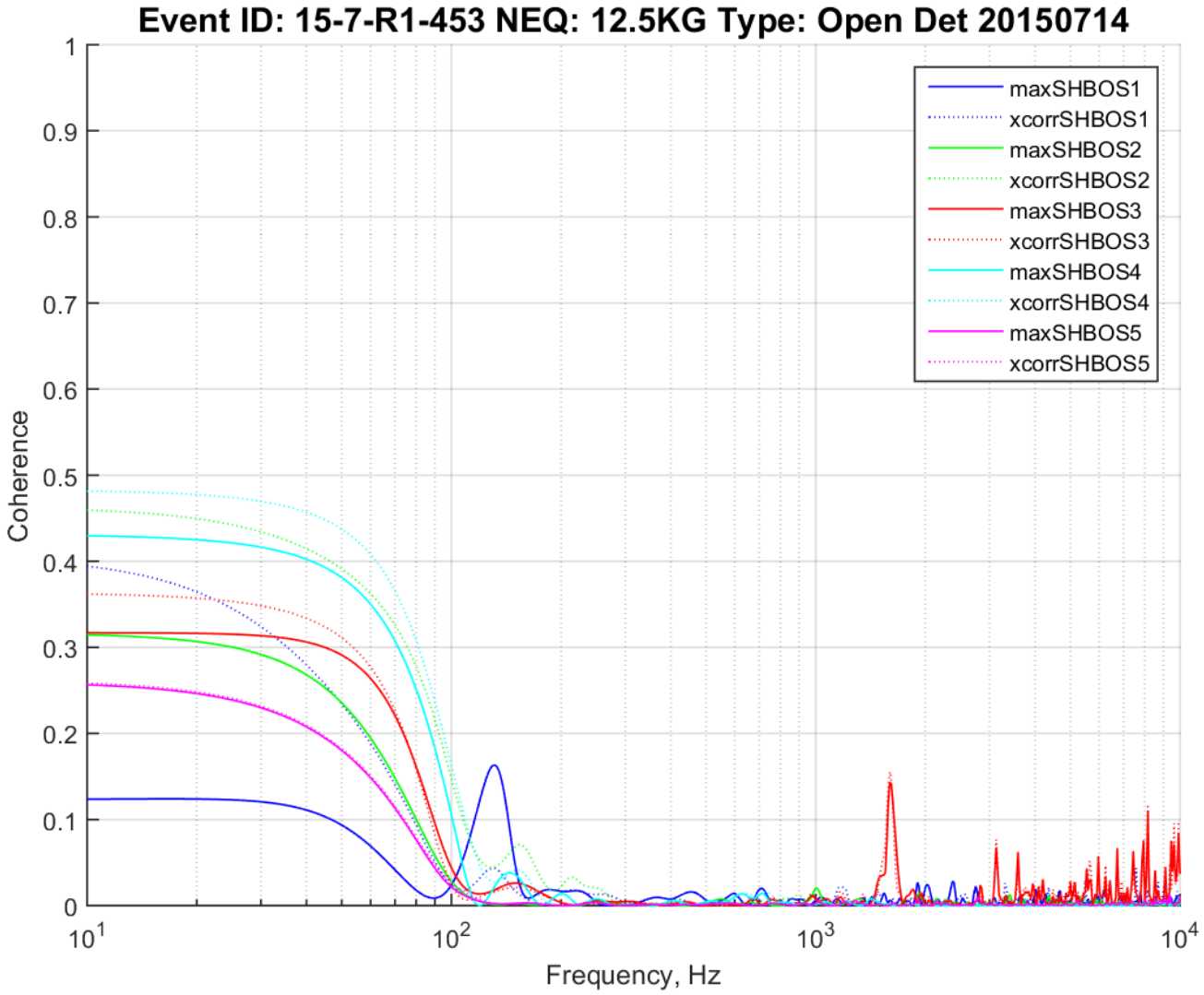


FIGURE 2.273: COHERENCE SHB_OS 1 - 5 15-7-R1-453

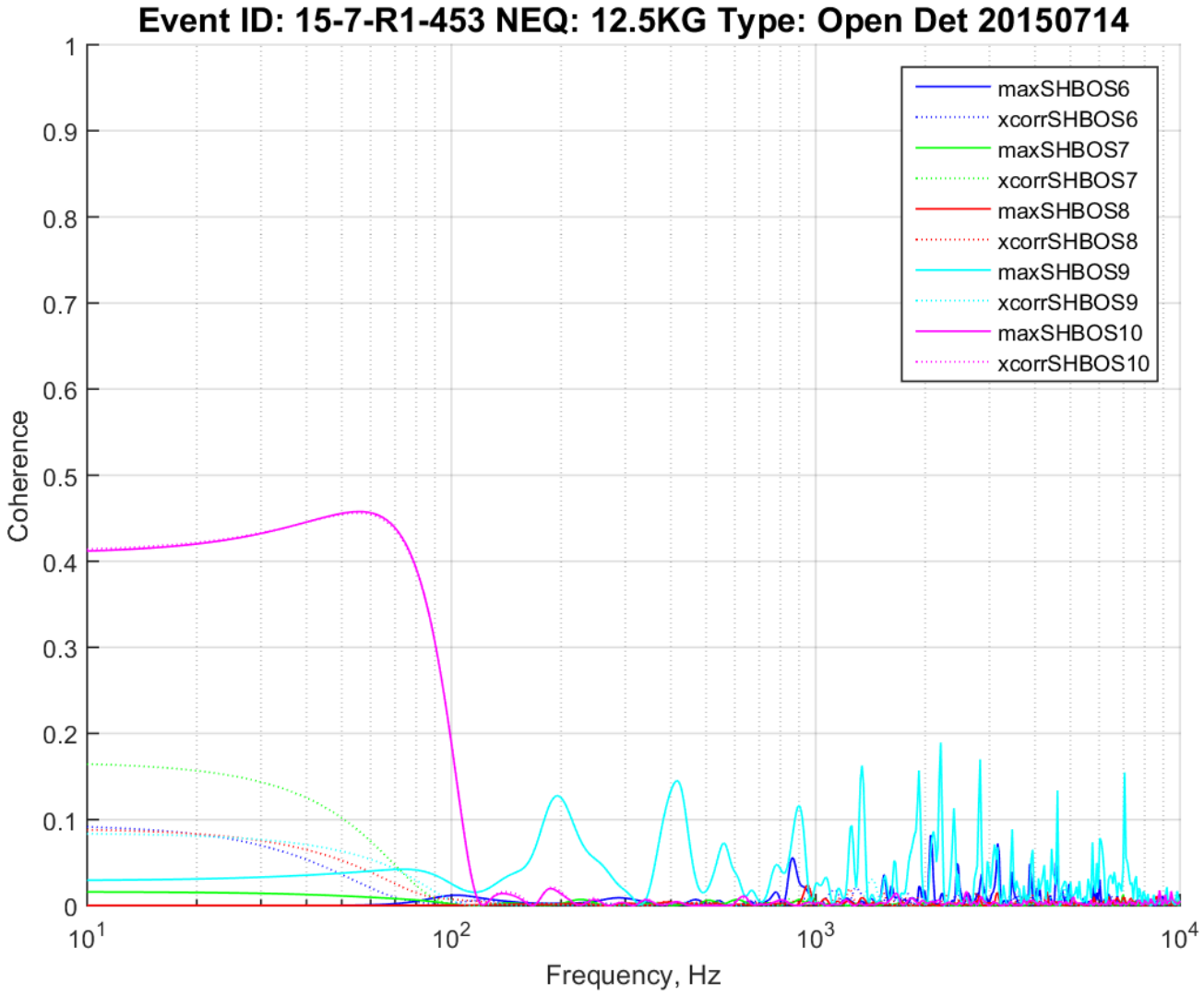


FIGURE 2.274: COHERENCE SHB_OS 6 - 10 15-7-R1-453CTD

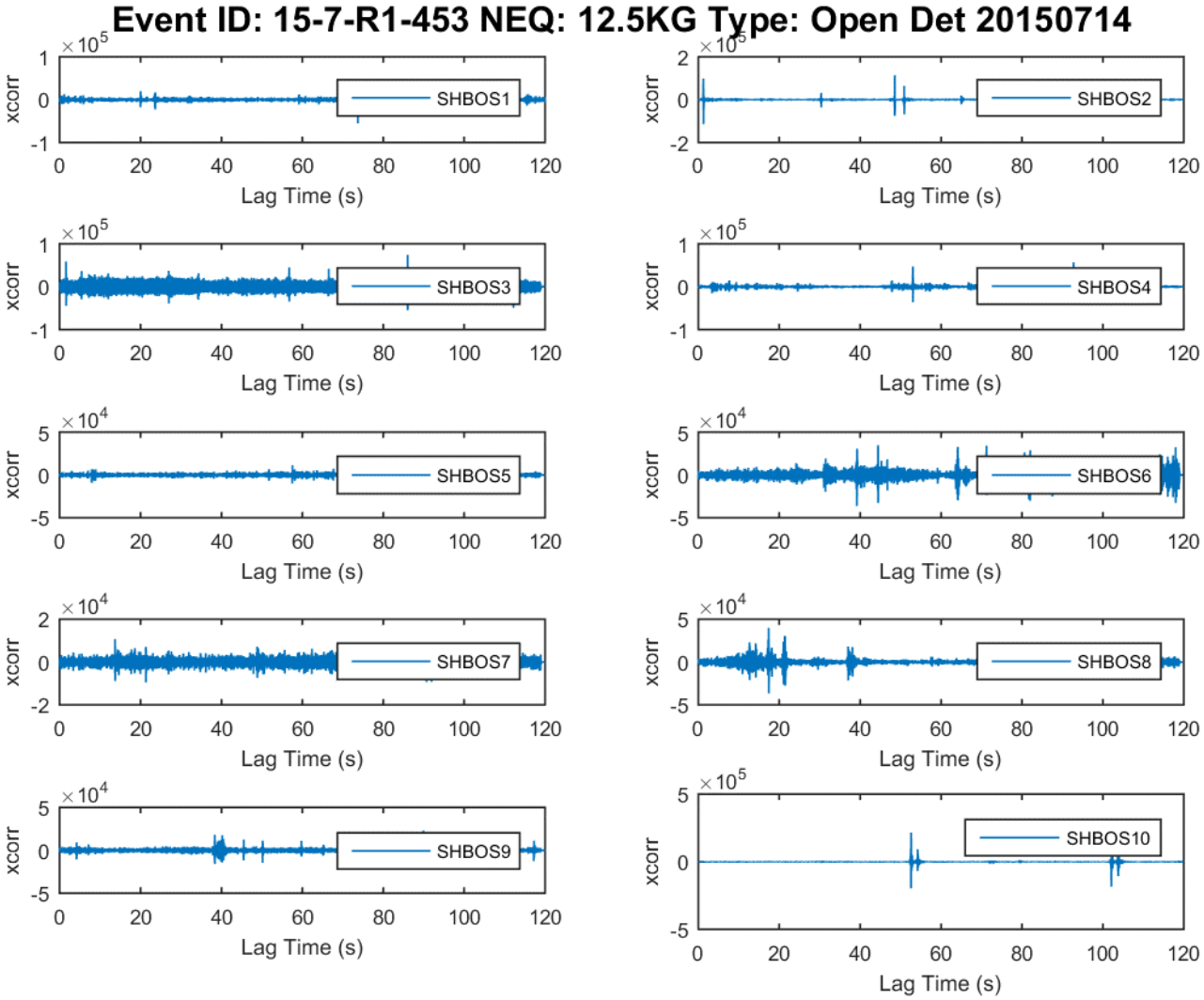


FIGURE 2.275: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-453

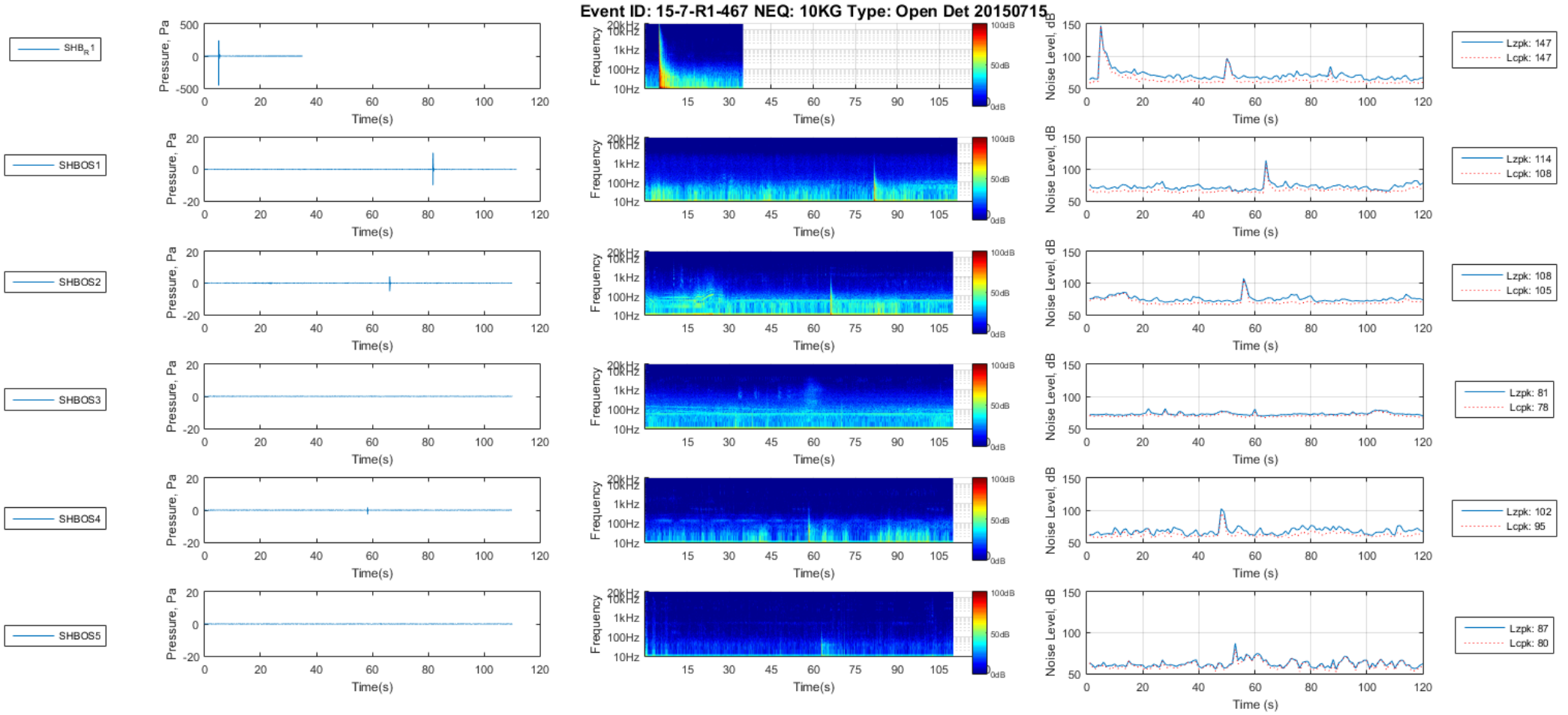


FIGURE 2.276: SHB_OS 1 - 5 15-7-R1-467

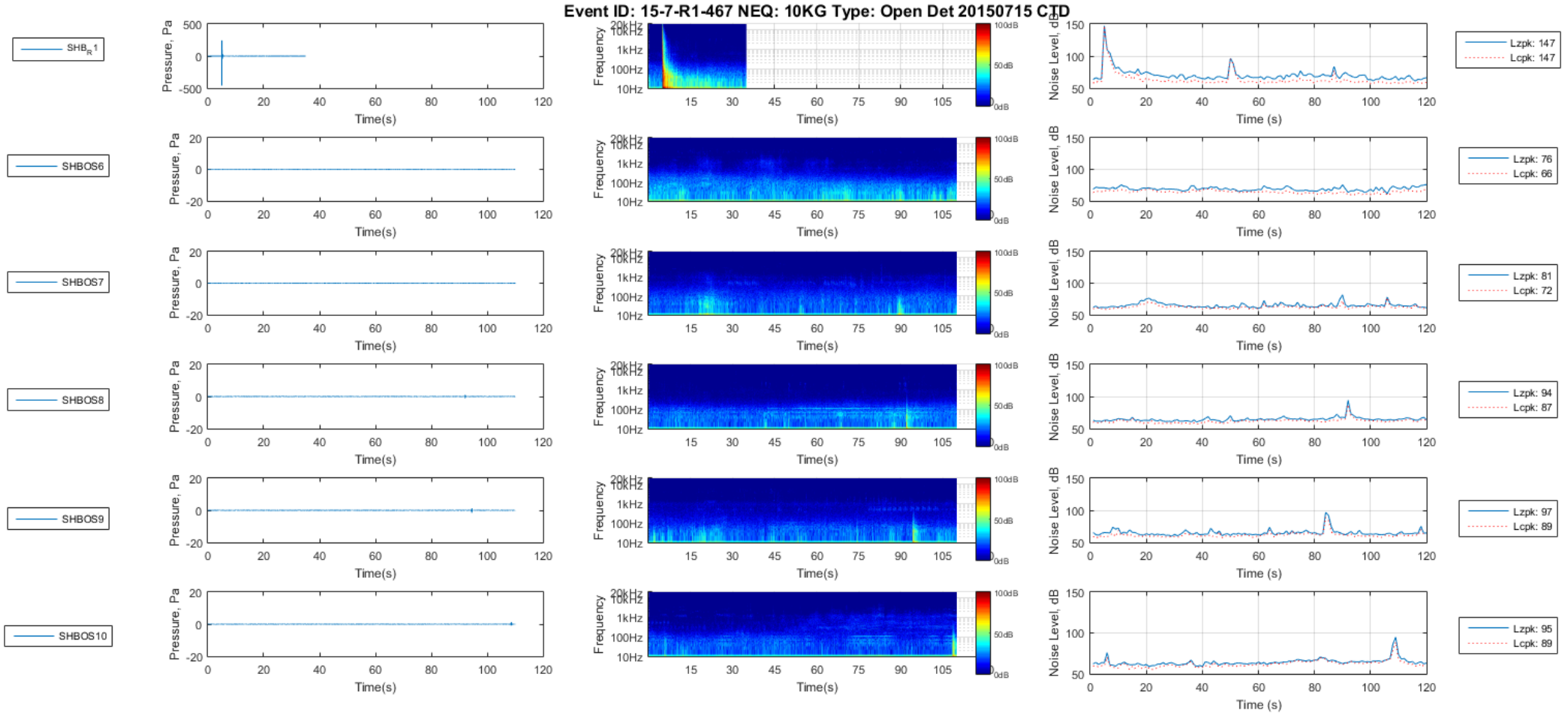


FIGURE 2.277: SHB_OS 6 - 10 15-7-R1-467

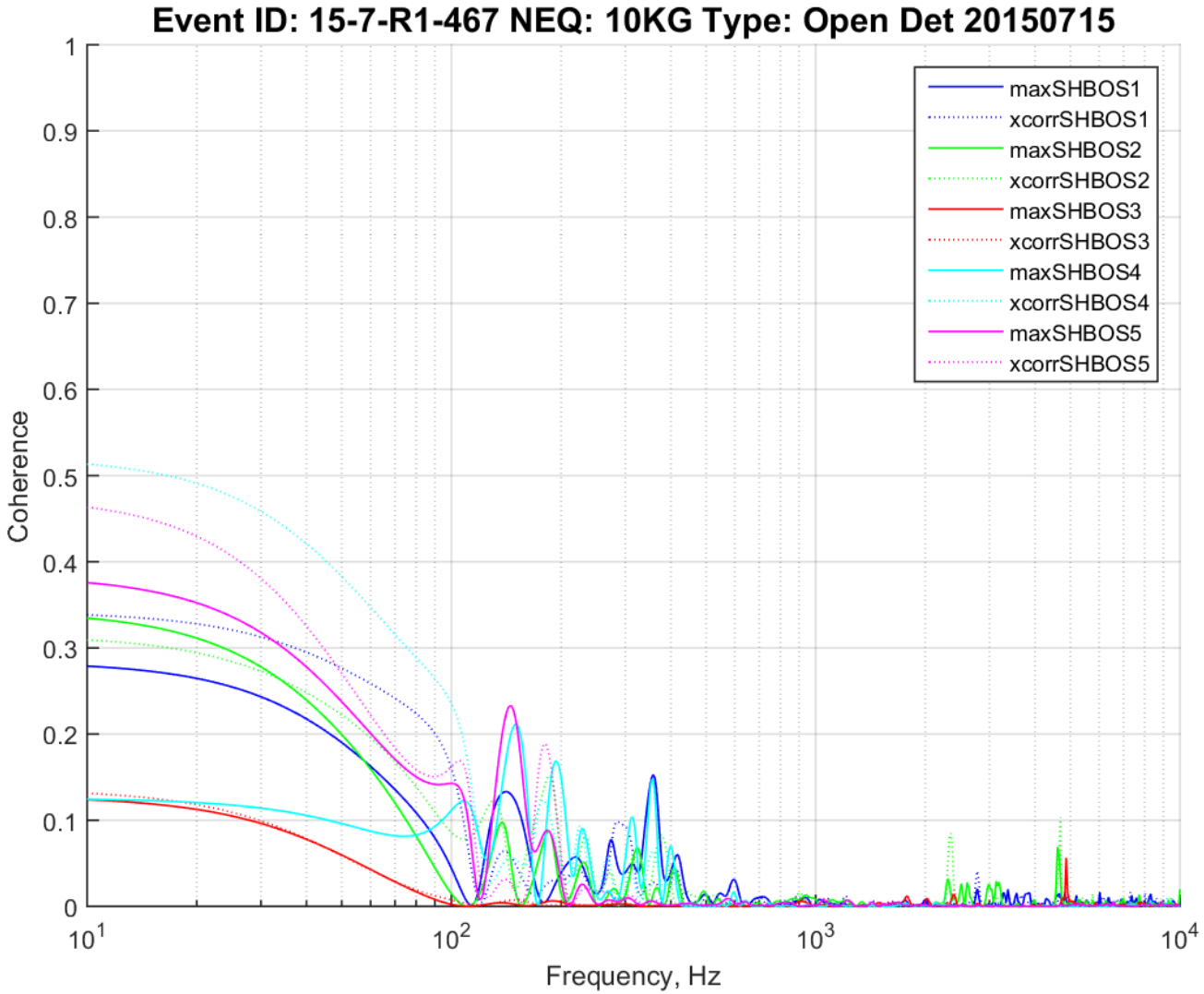


FIGURE 2.278: COHERENCE SHB_OS 1 - 5 15-7-R1-467

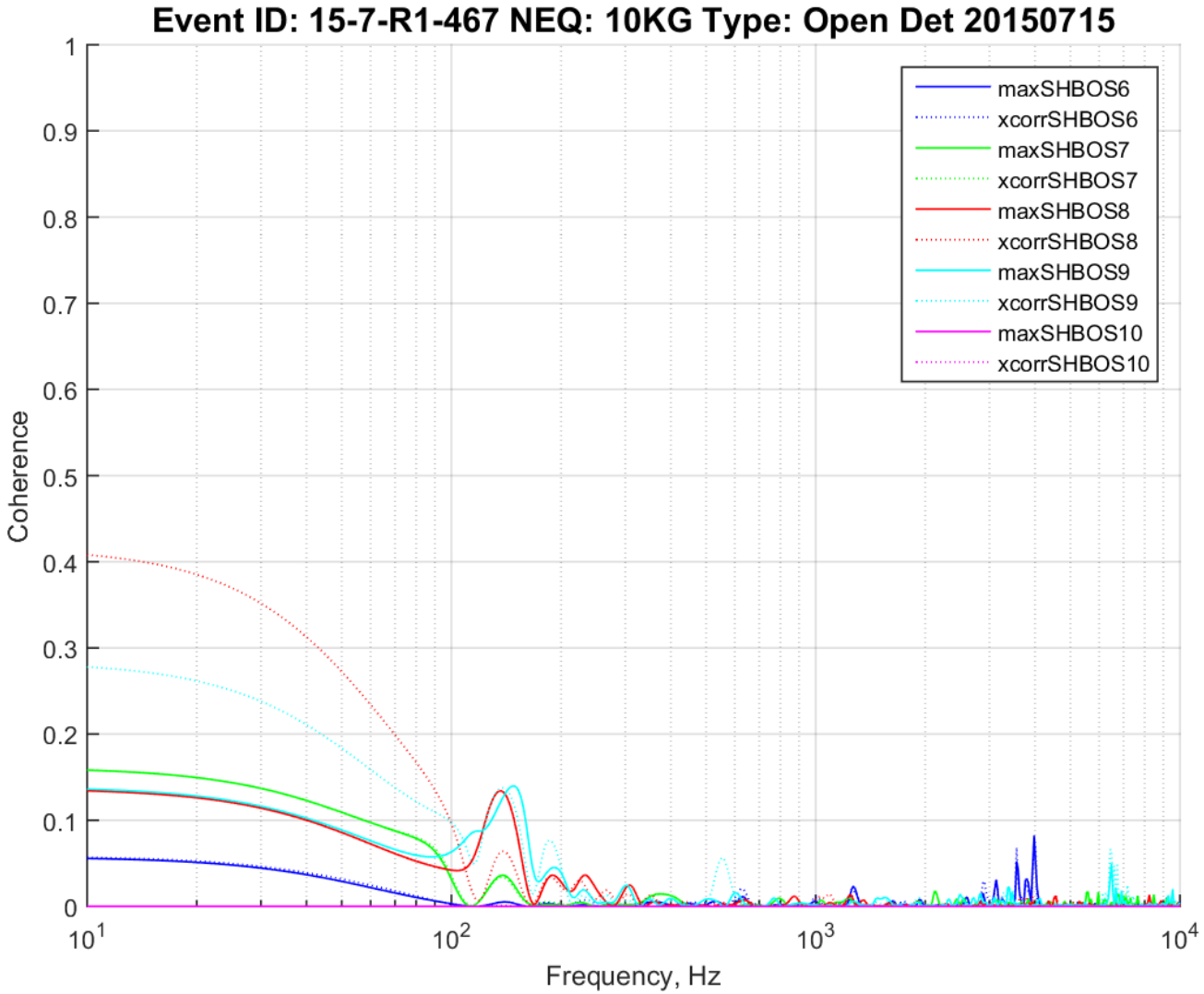


FIGURE 2.279: COHERENCE SHB_OS 6 - 10 15-7-R1-467CTD

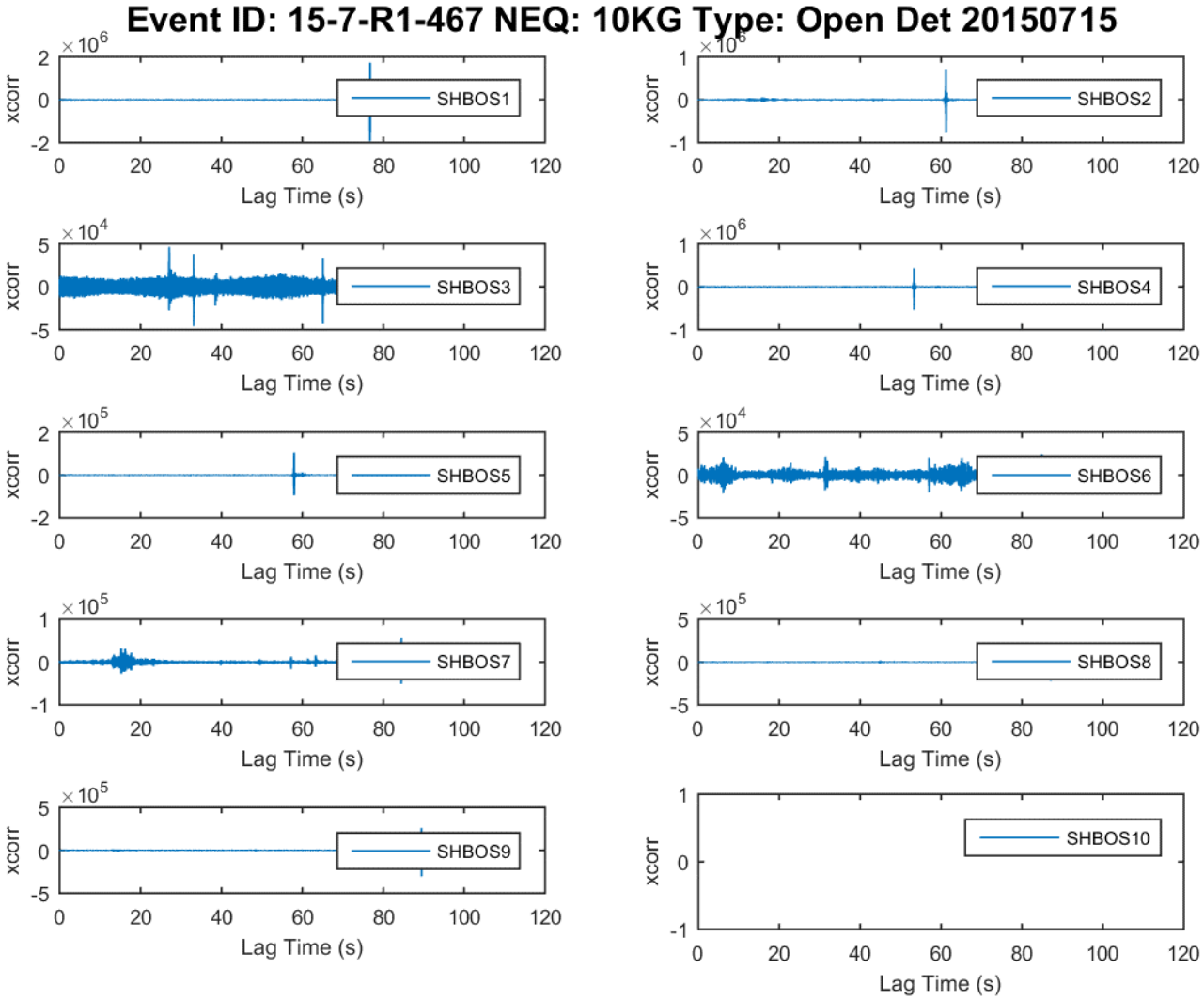


FIGURE 2.280: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-467

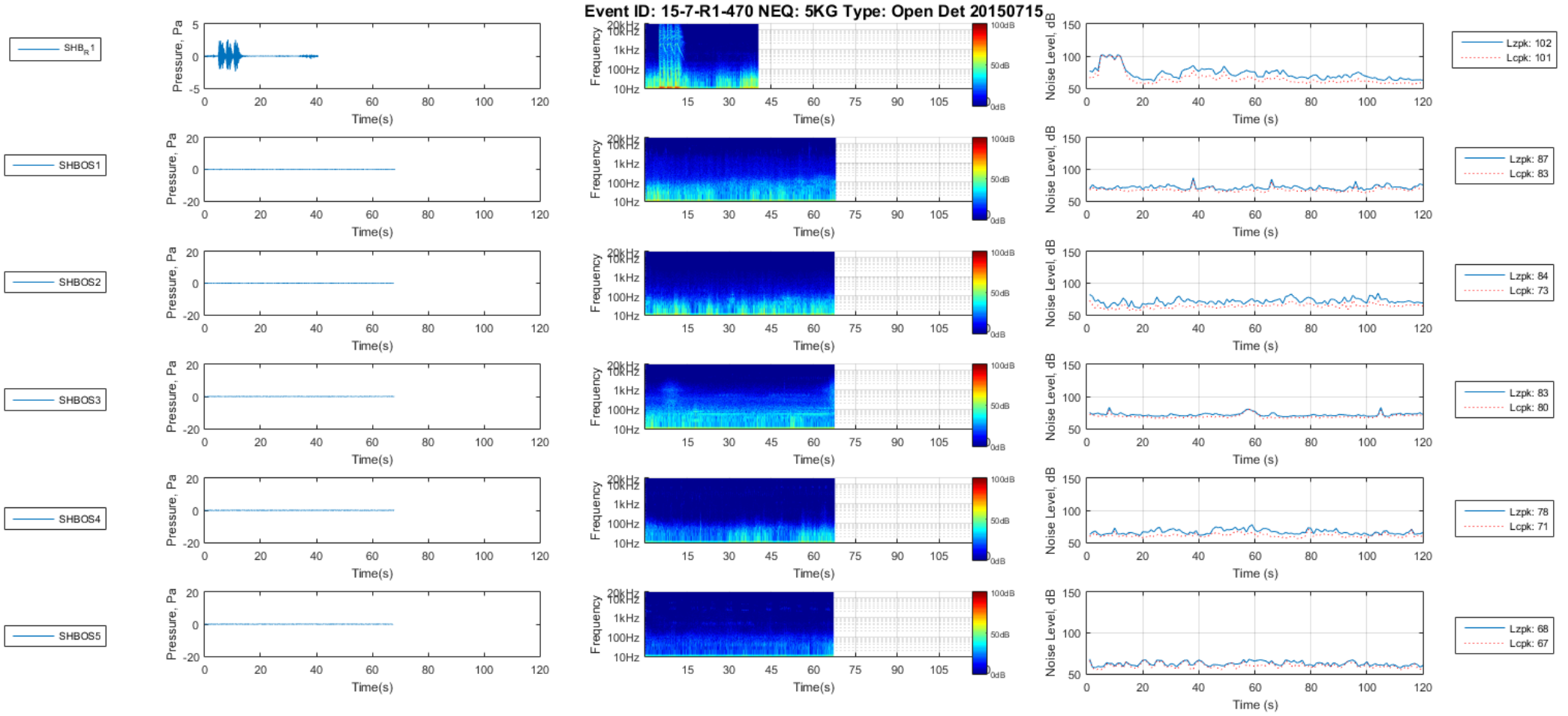


FIGURE 2.281: SHB_OS 1 - 5 15-7-R1-470

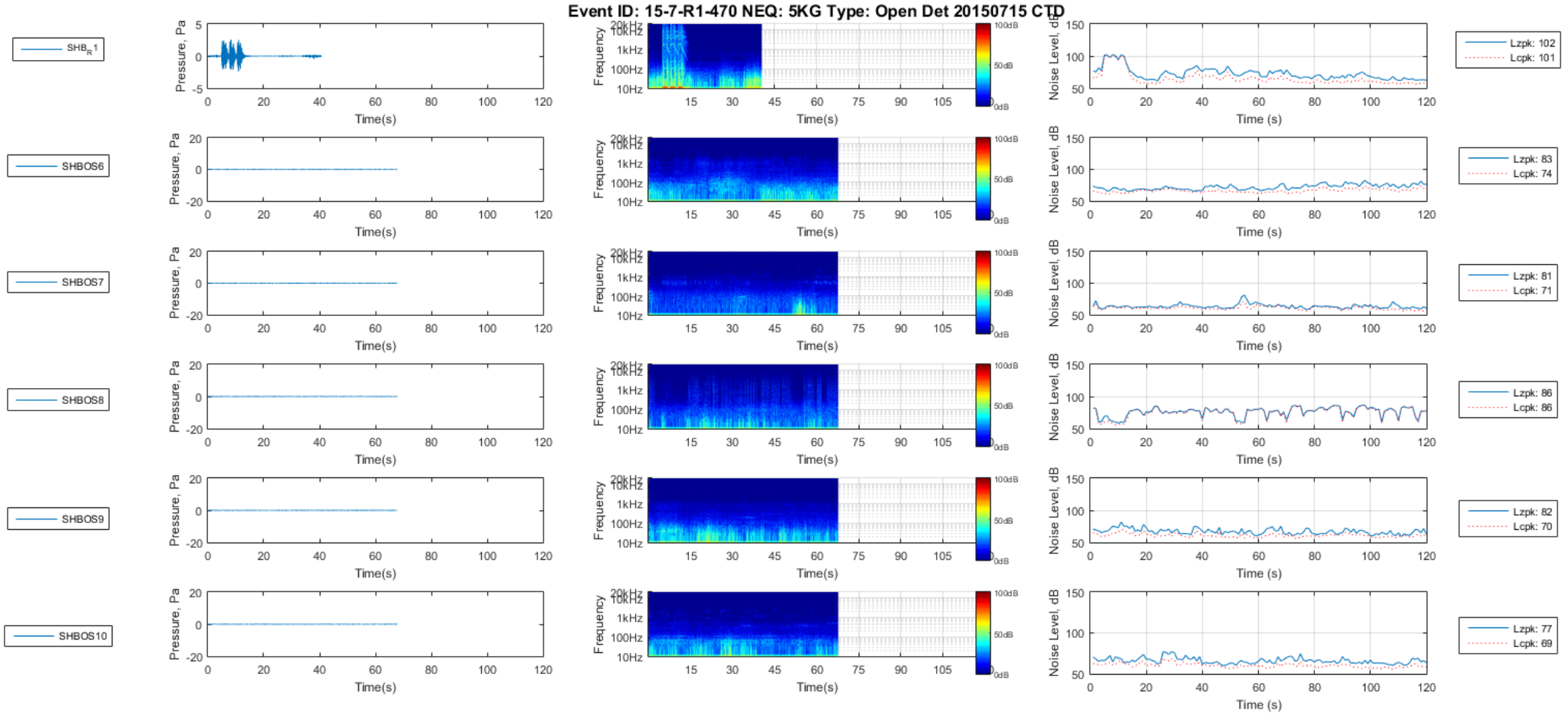


FIGURE 2.282: SHB_OS 6 - 10 15-7-R1-470

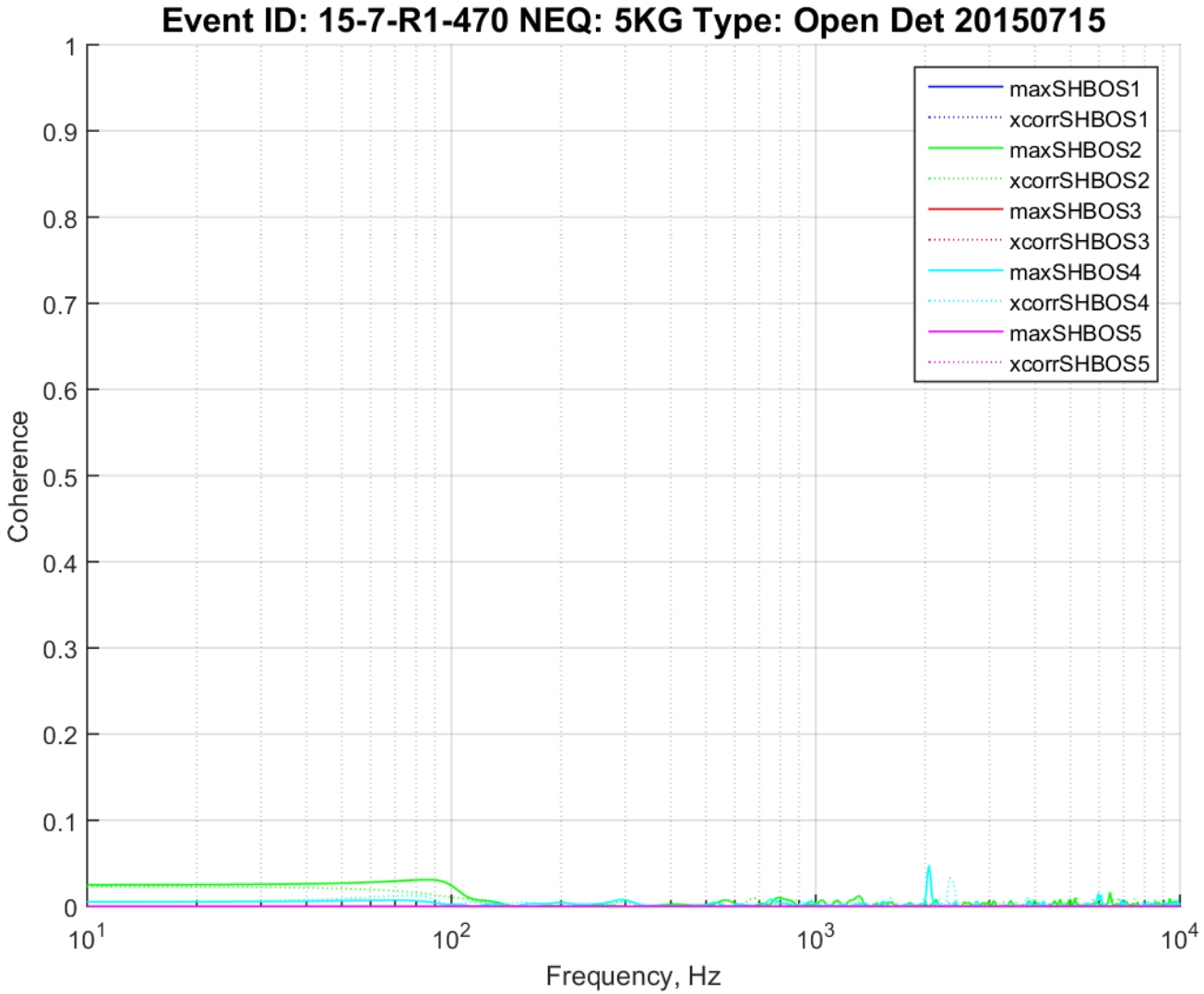


FIGURE 2.283: COHERENCE SHB_OS 1 - 5 15-7-R1-470

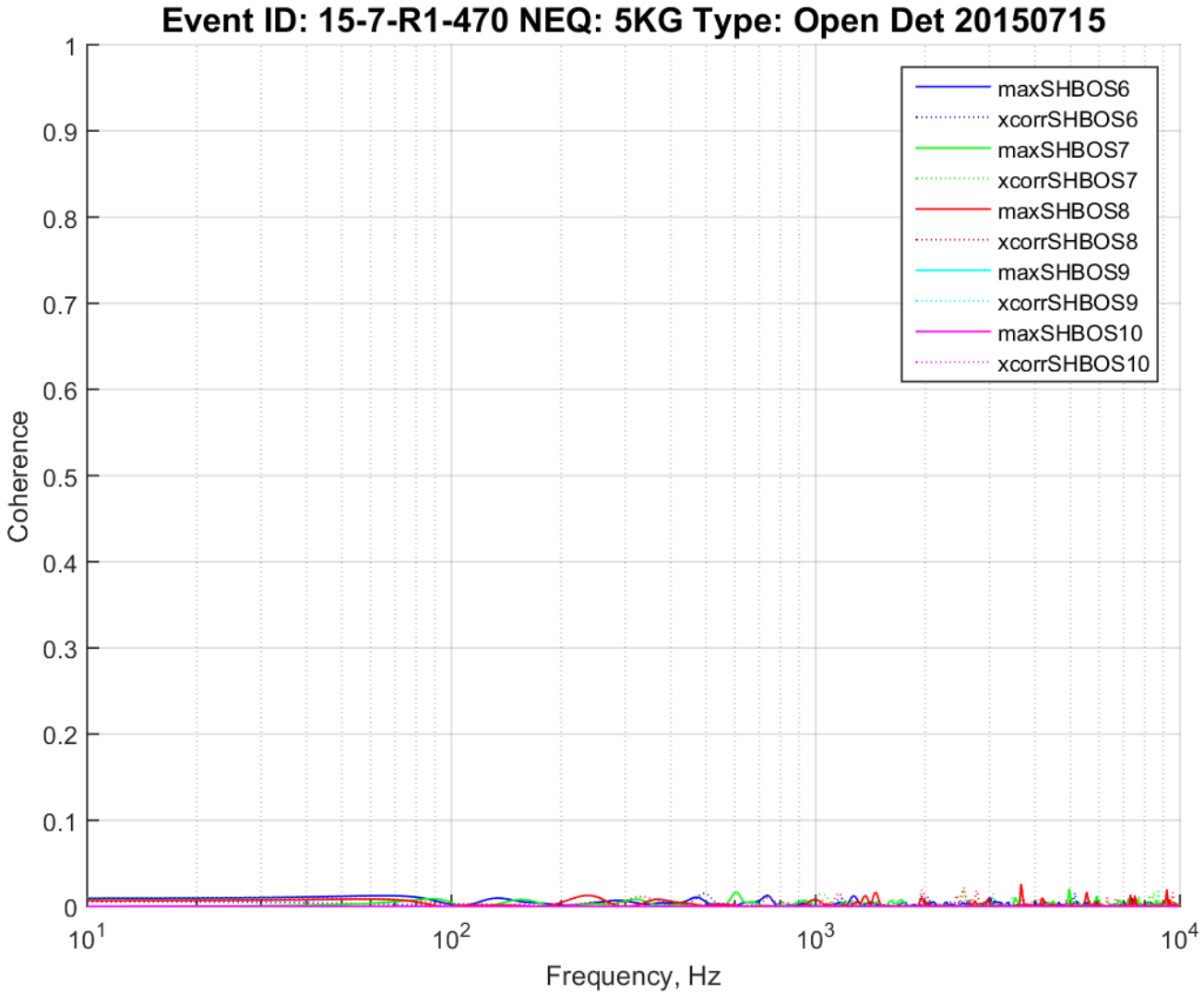


FIGURE 2.284: COHERENCE SHB_OS 6 - 10 15-7-R1-470CTD

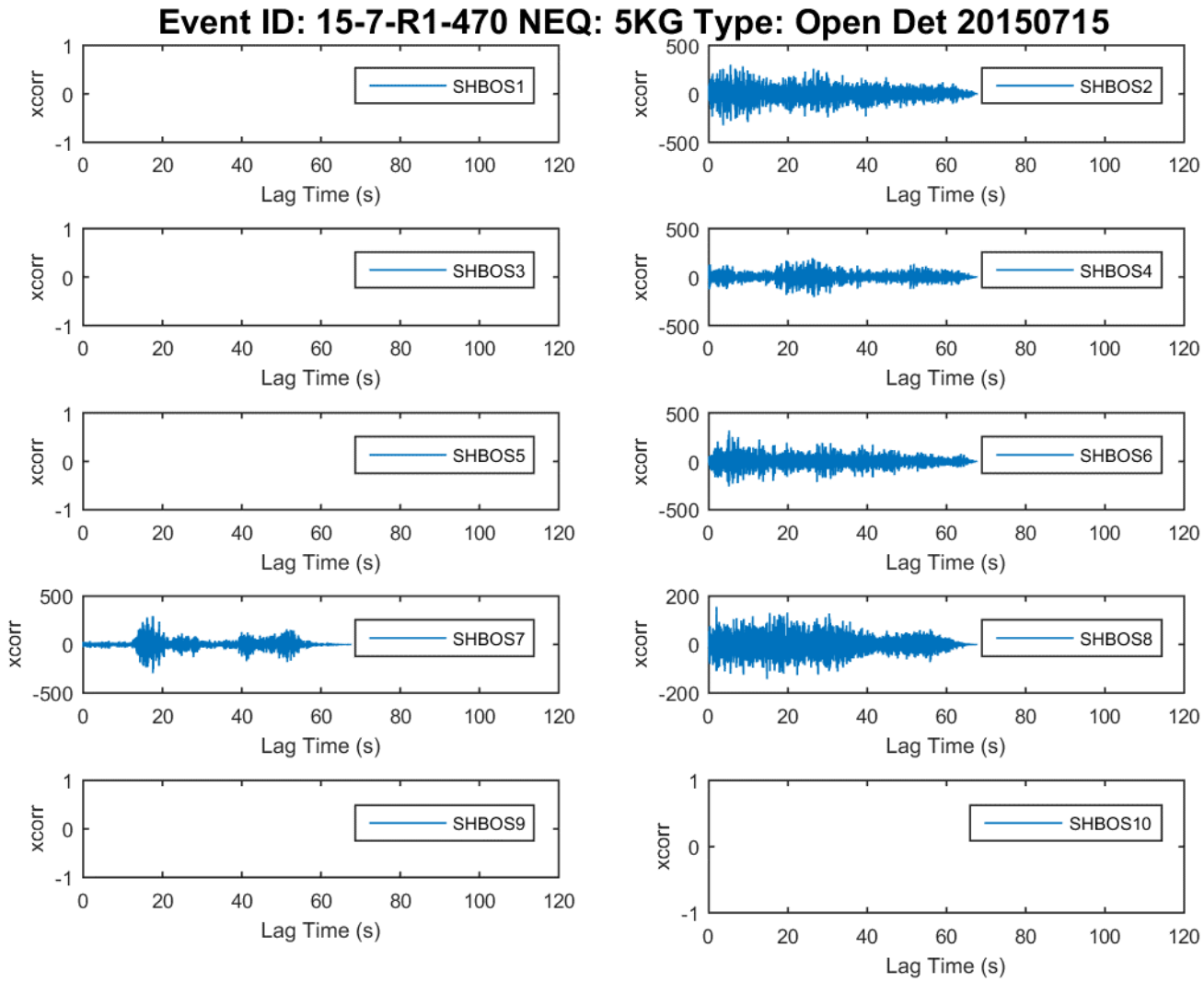


FIGURE 2.285: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-470

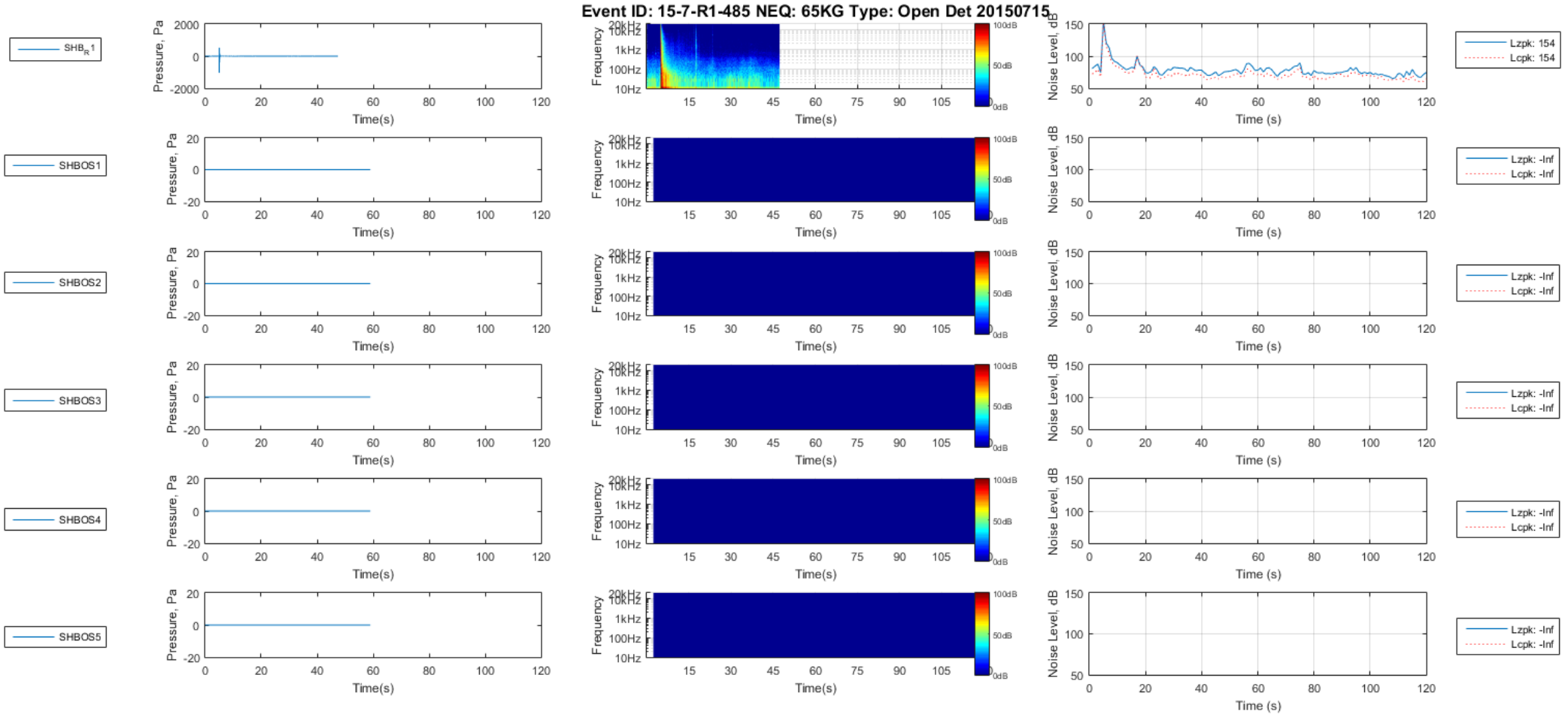


FIGURE 2.286: SHB_OS 1 - 5 15-7-R1-485

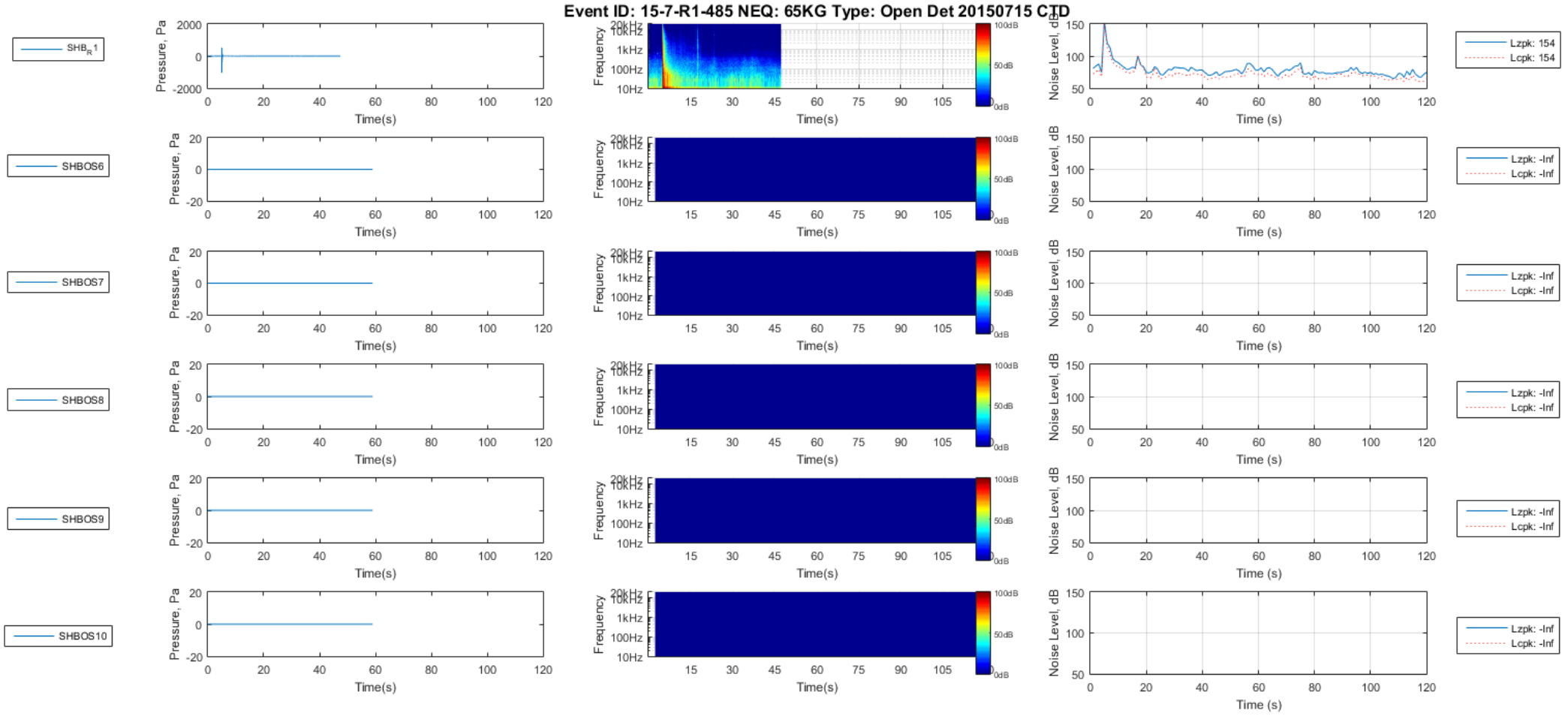


FIGURE 2.287: SHB_OS 6 - 10 15-7-R1-485

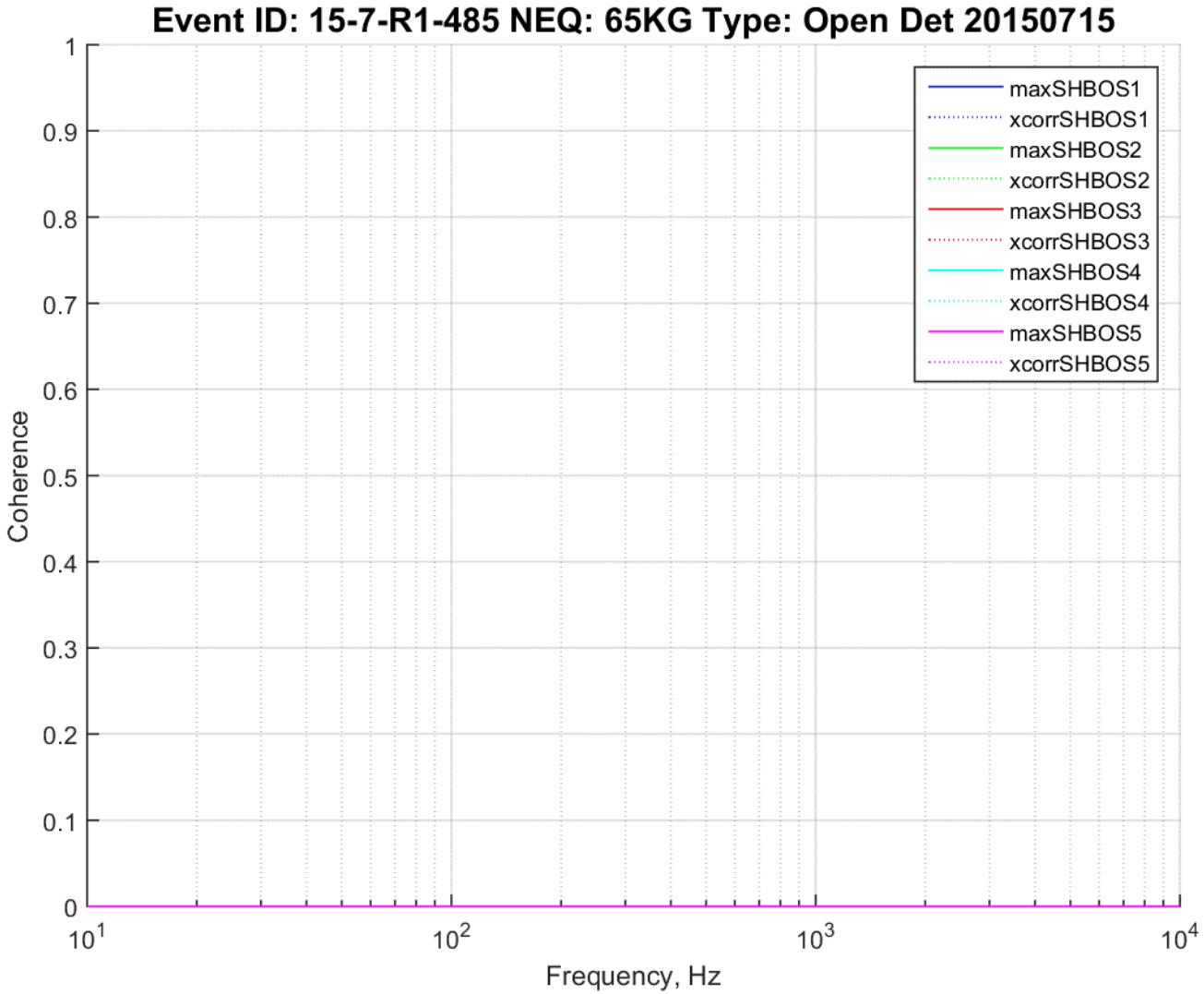


FIGURE 2.288: COHERENCE SHB_OS 1 - 5 15-7-R1-485

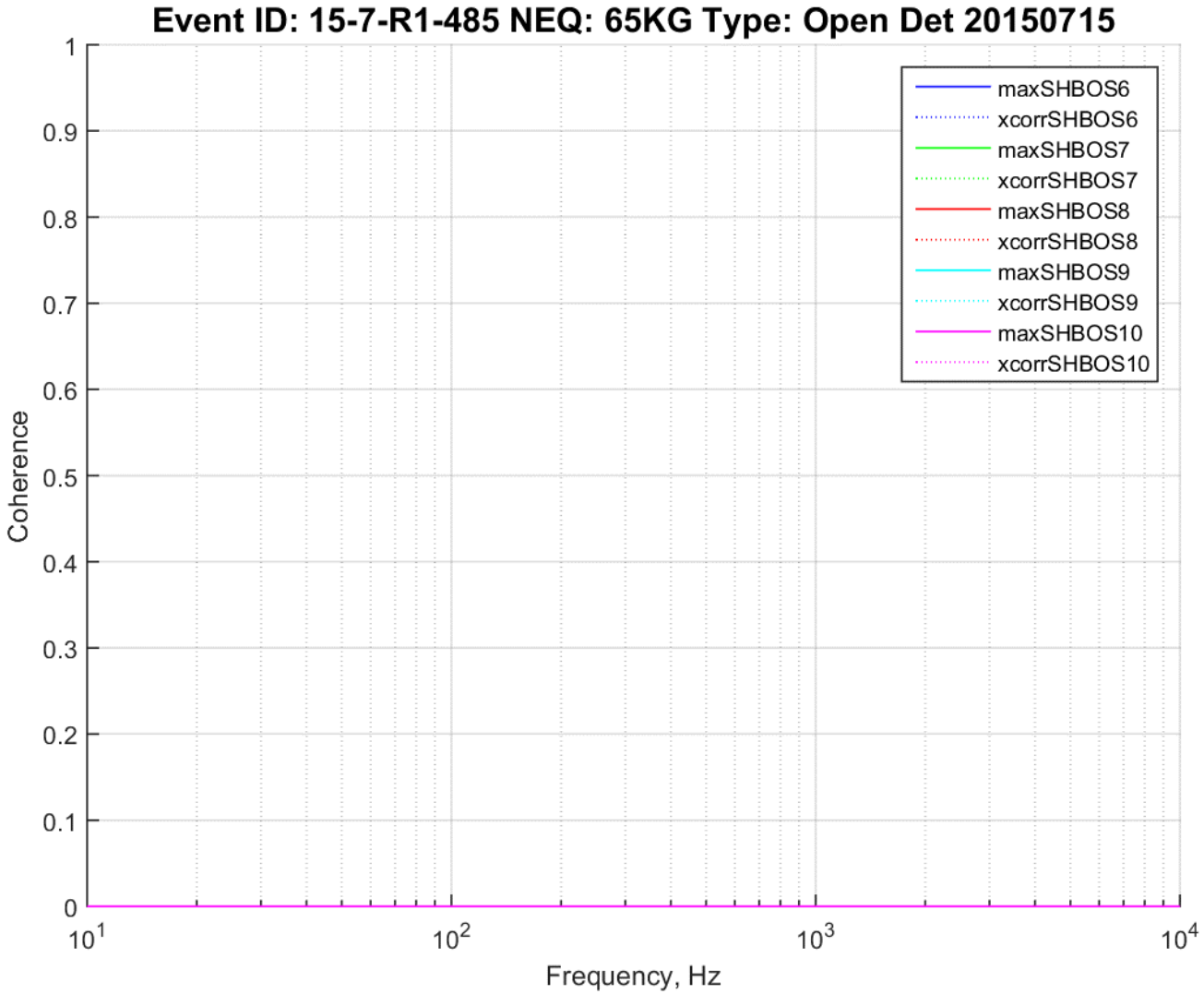


FIGURE 2.289: COHERENCE SHB_OS 6 - 10 15-7-R1-485CTD

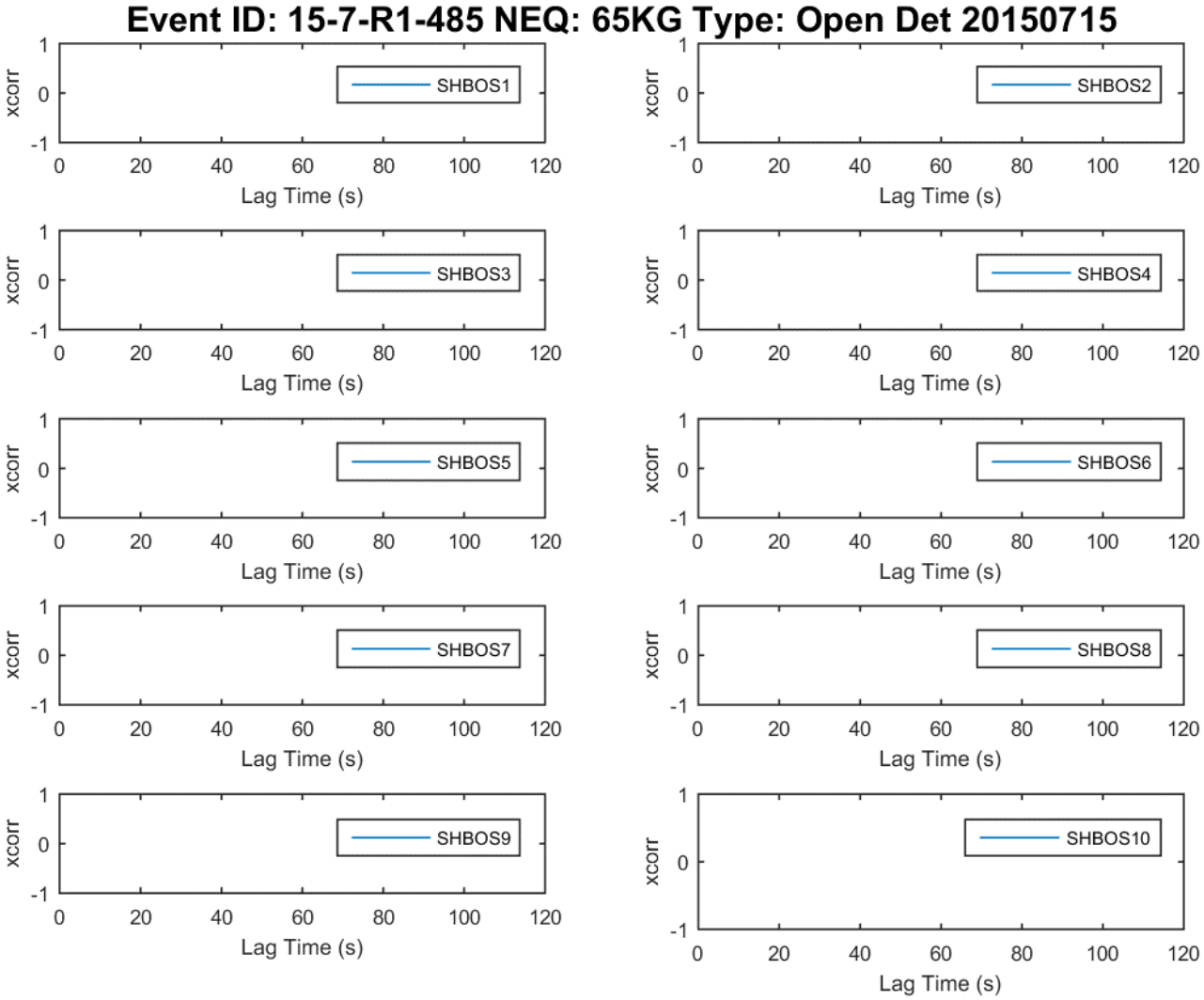


FIGURE 2.290: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-485

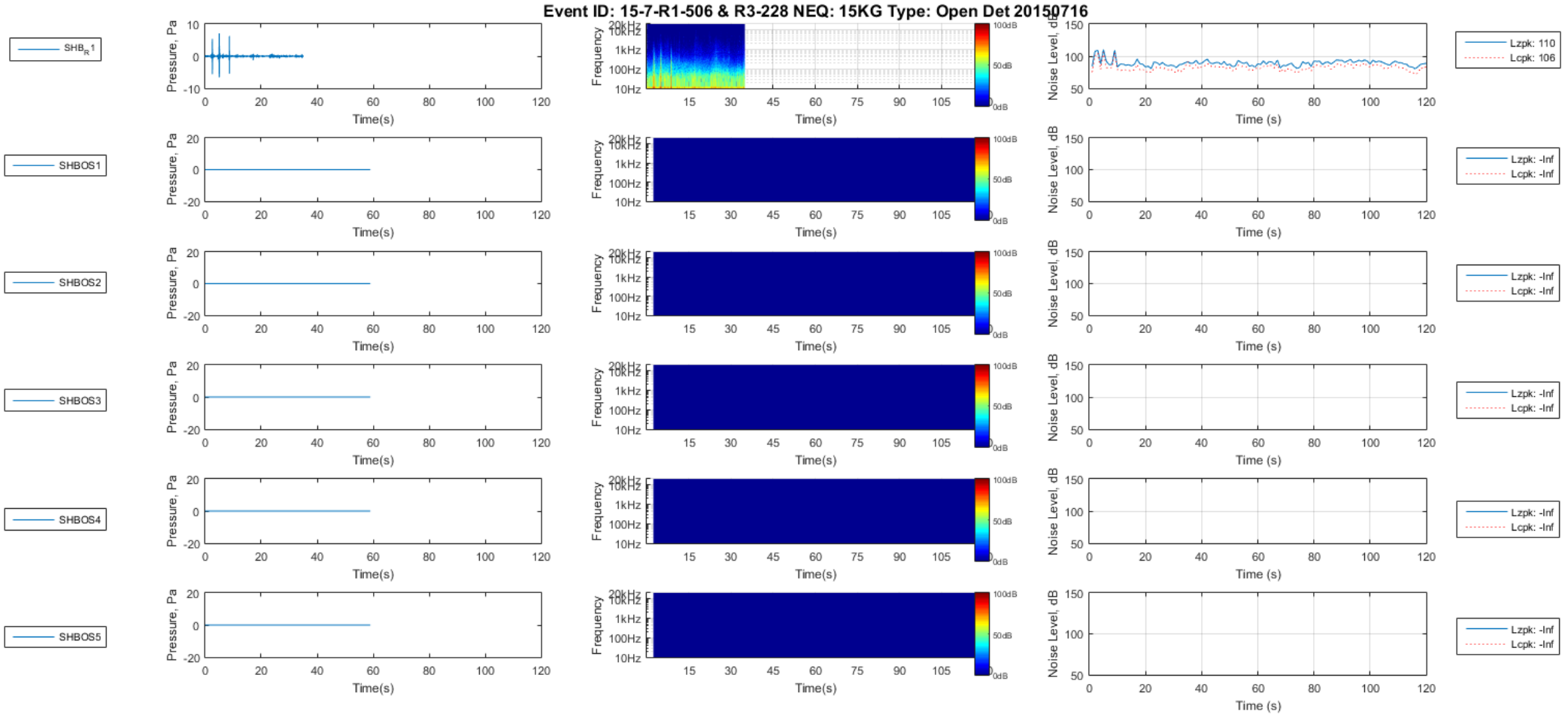


FIGURE 2.291: SHB_OS 1 - 5 15-7-R1-506 & R3-228

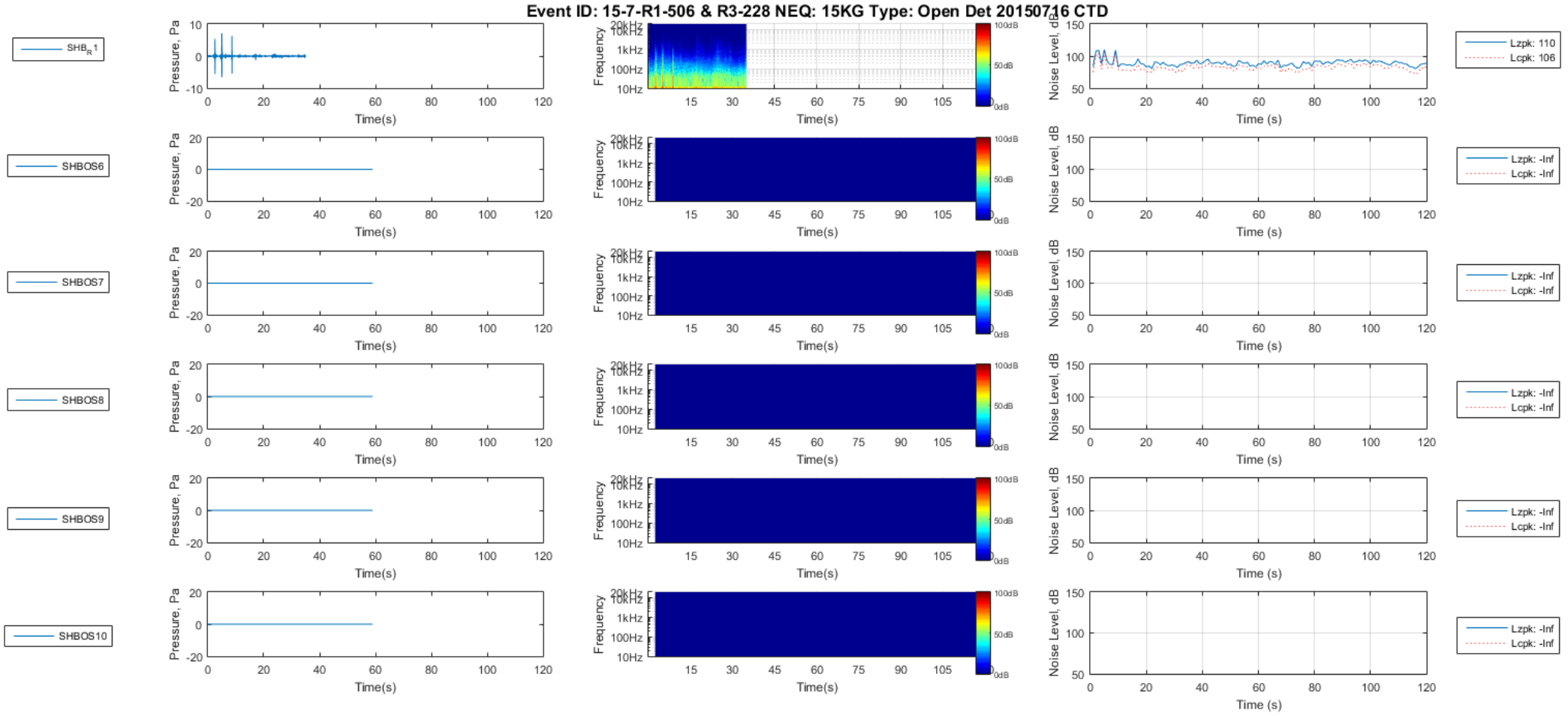


FIGURE 2.292: SHB_OS 6 - 10 15-7-R1-506 & R3-228

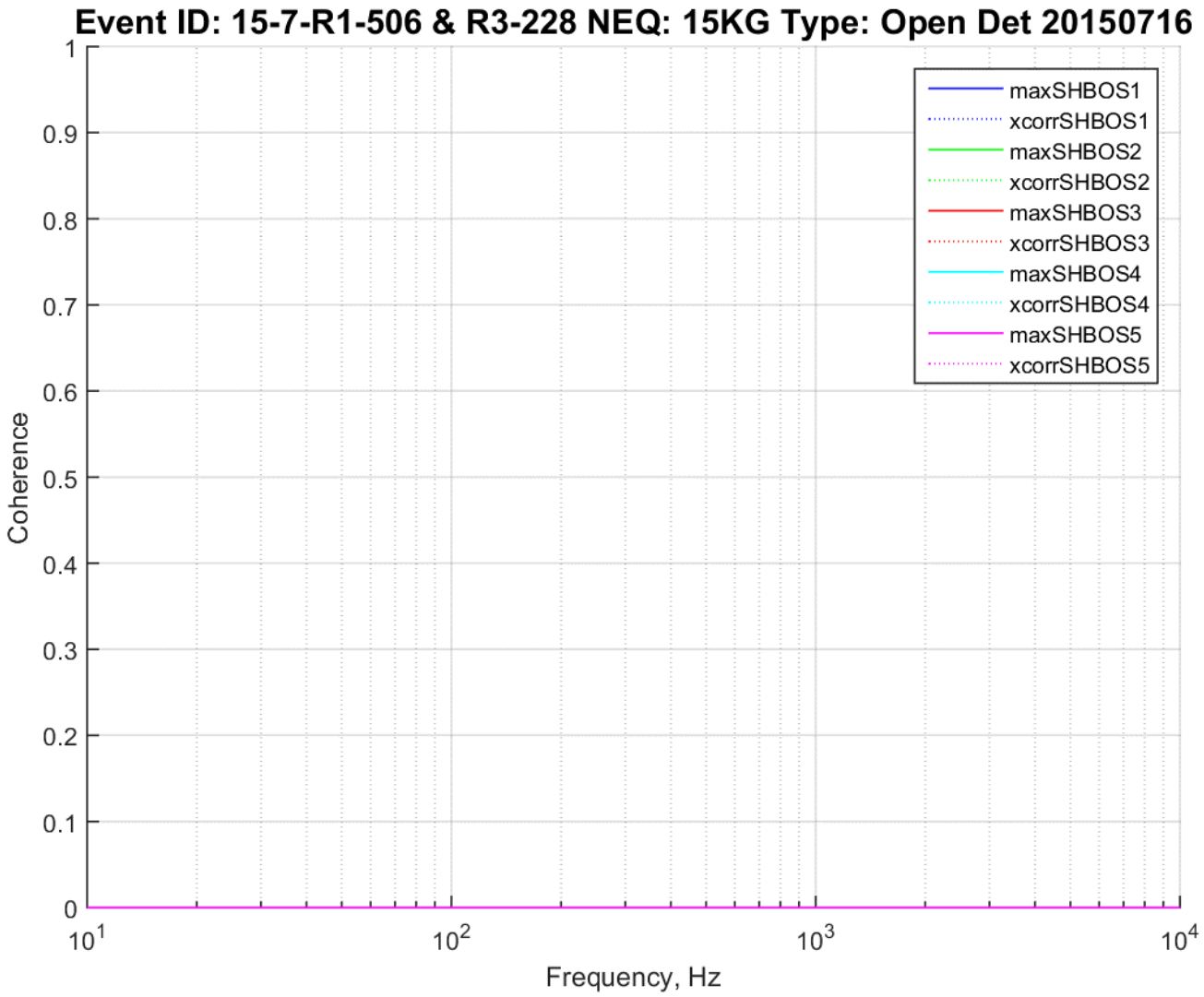


FIGURE 2.293: COHERENCE SHB_OS 1 - 5 15-7-R1-506 & R3-228

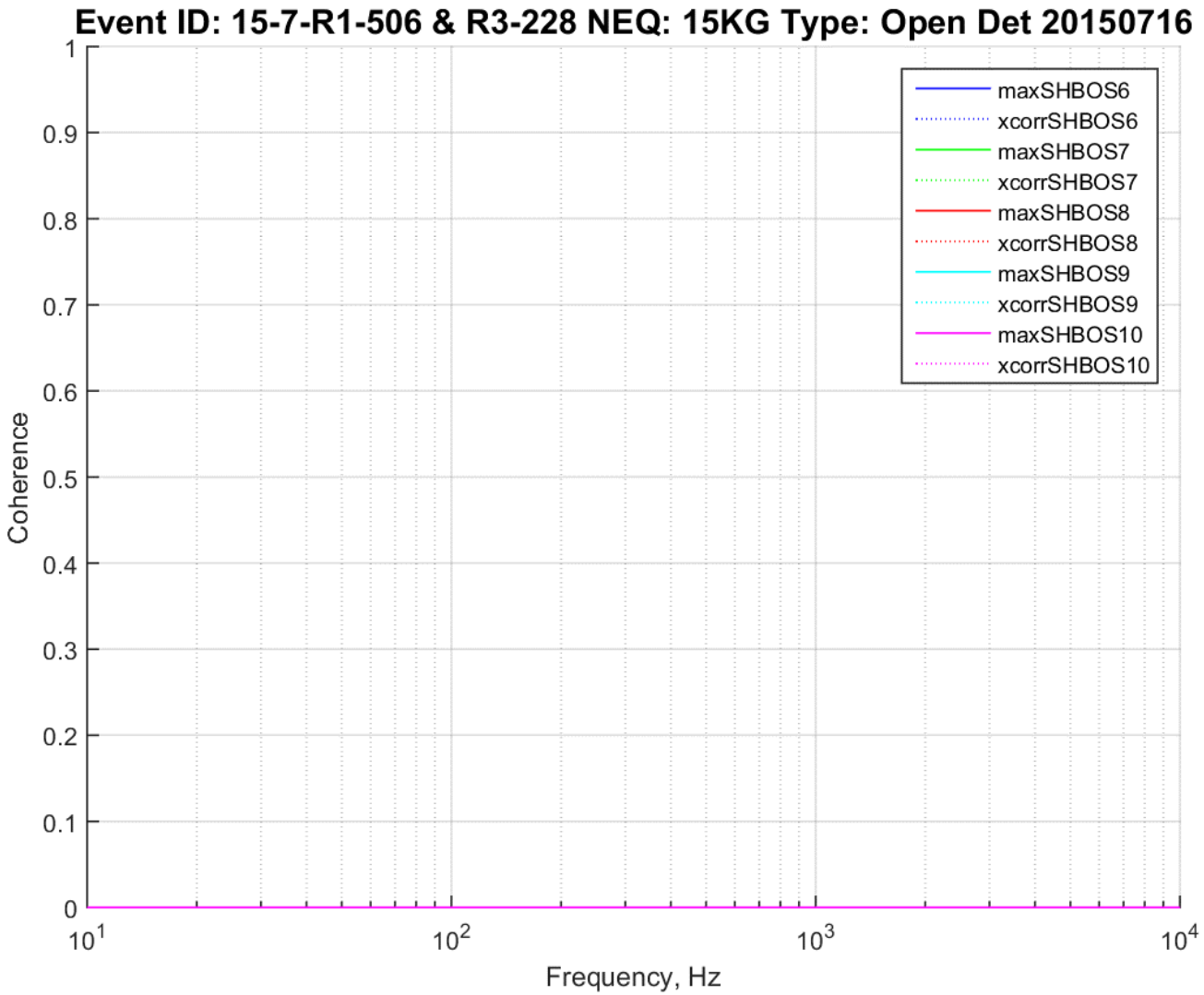


FIGURE 2.294: COHERENCE SHB_OS 6 - 10 15-7-R1-506 & R3-228CTD

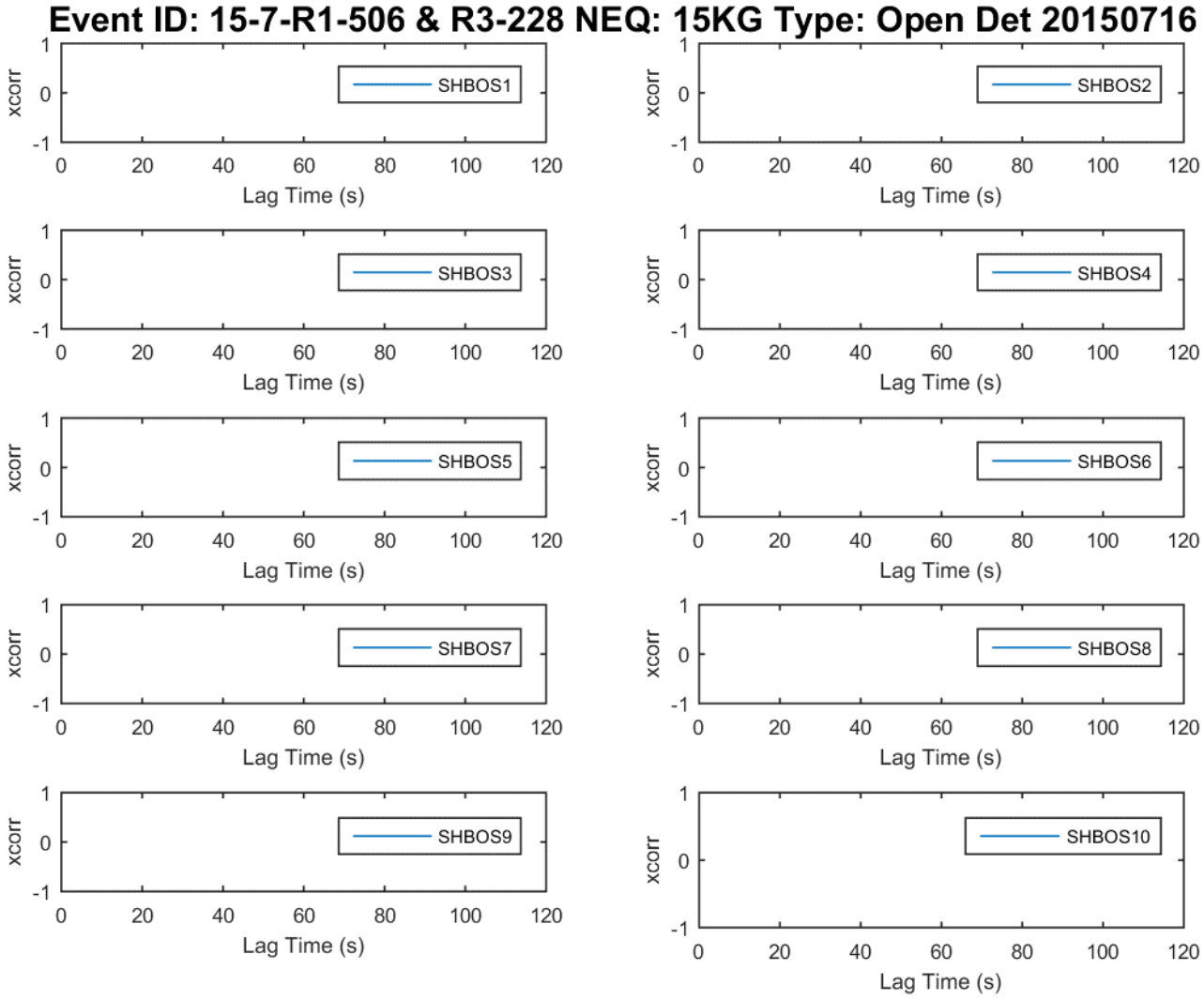
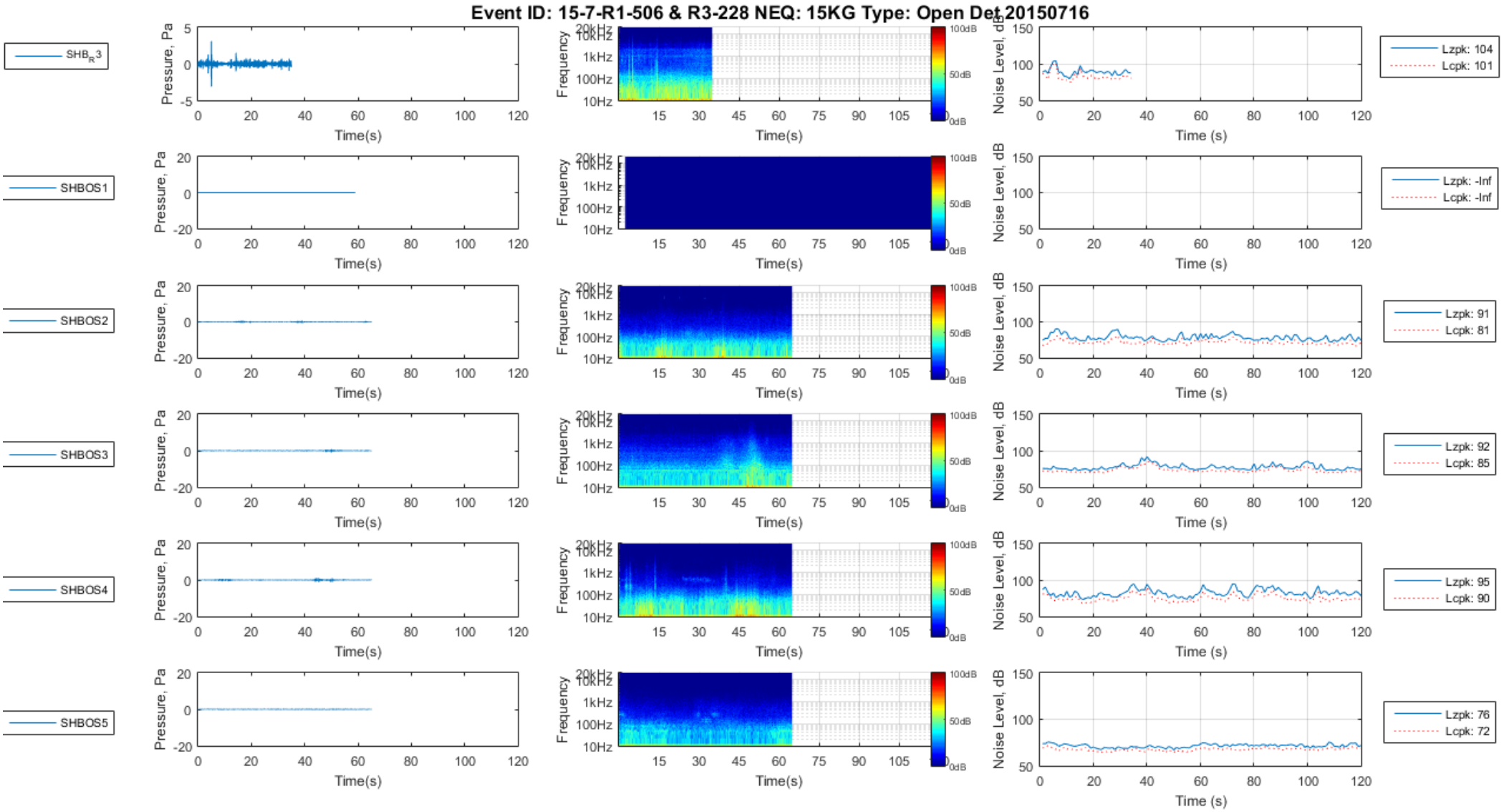
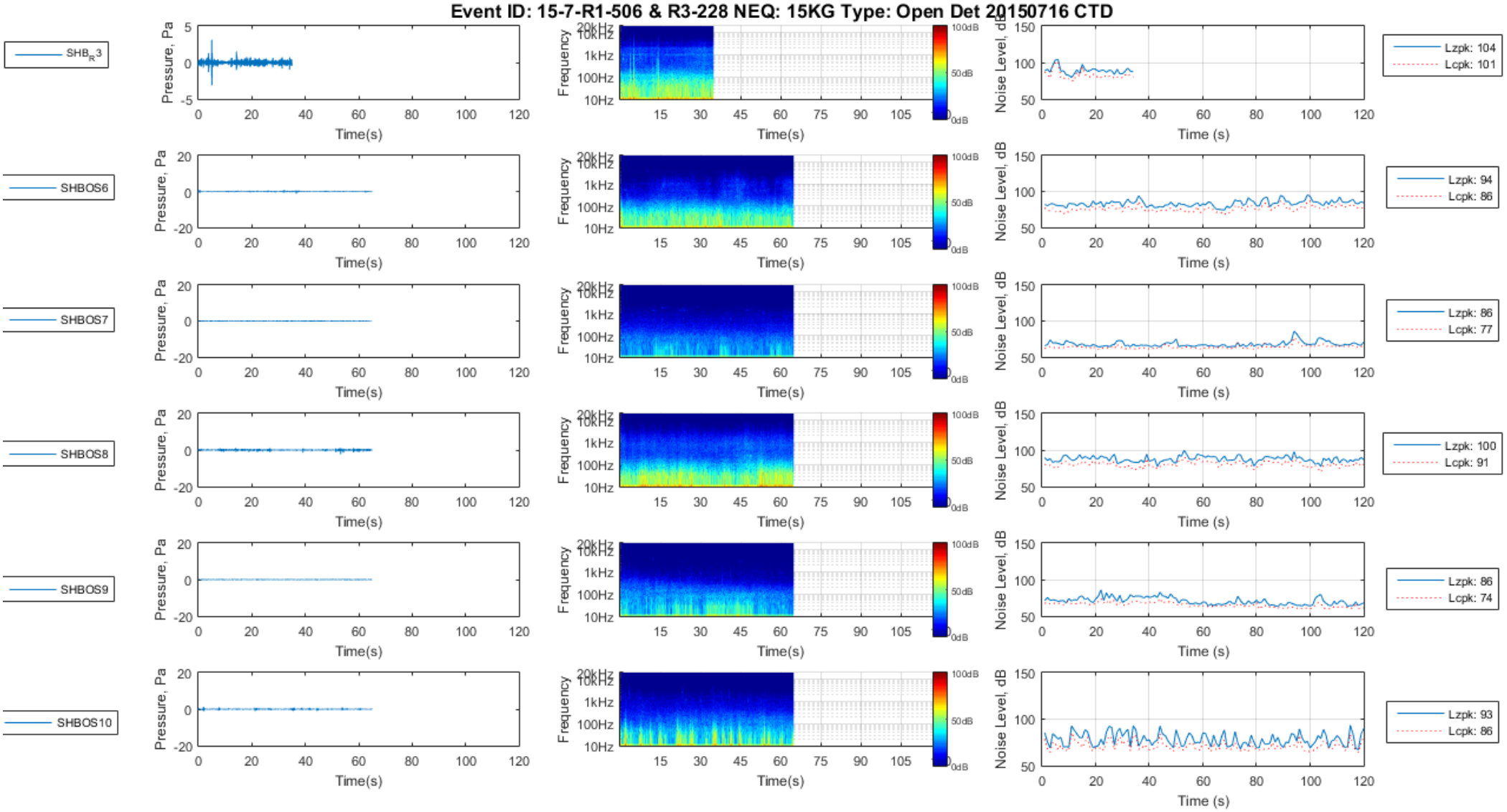


FIGURE 2.295: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-506 & R3-228


Event ID: 15-7-R1-506 & R3-228 NEQ: 15KG Type: Open Det 20150716
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 104
Lcpk: 101
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 91
Lcpk: 81
Lzpk: 92
Lcpk: 85
Lzpk: 95
Lcpk: 90
Lzpk: 76
Lcpk: 72


Event ID: 15-7-R1-506 & R3-228 NEQ: 15KG Type: Open Det 20150716 CTD
SHB_R3
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 104
Lcpk: 101
SHBOS6
Lzpk: 94
Lcpk: 86
SHBOS7
Lzpk: 86
Lcpk: 77
SHBOS8
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Lcpk: 91
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Lcpk: 74
SHBOS10
Lzpk: 93
Lcpk: 86

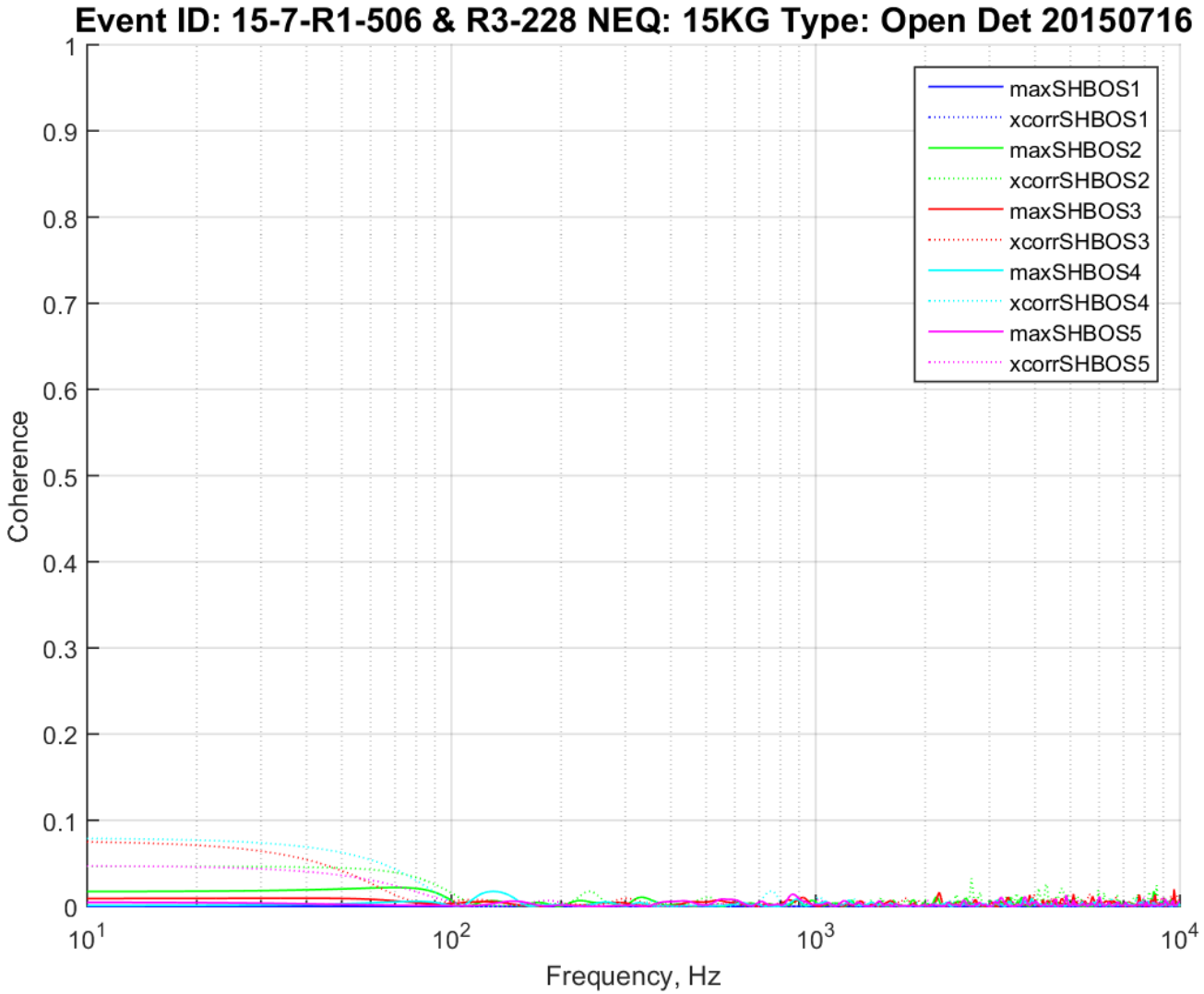


FIGURE 2.298: COHERENCE SHB_OS 1 - 5 15-7-R1-506 & R3-228

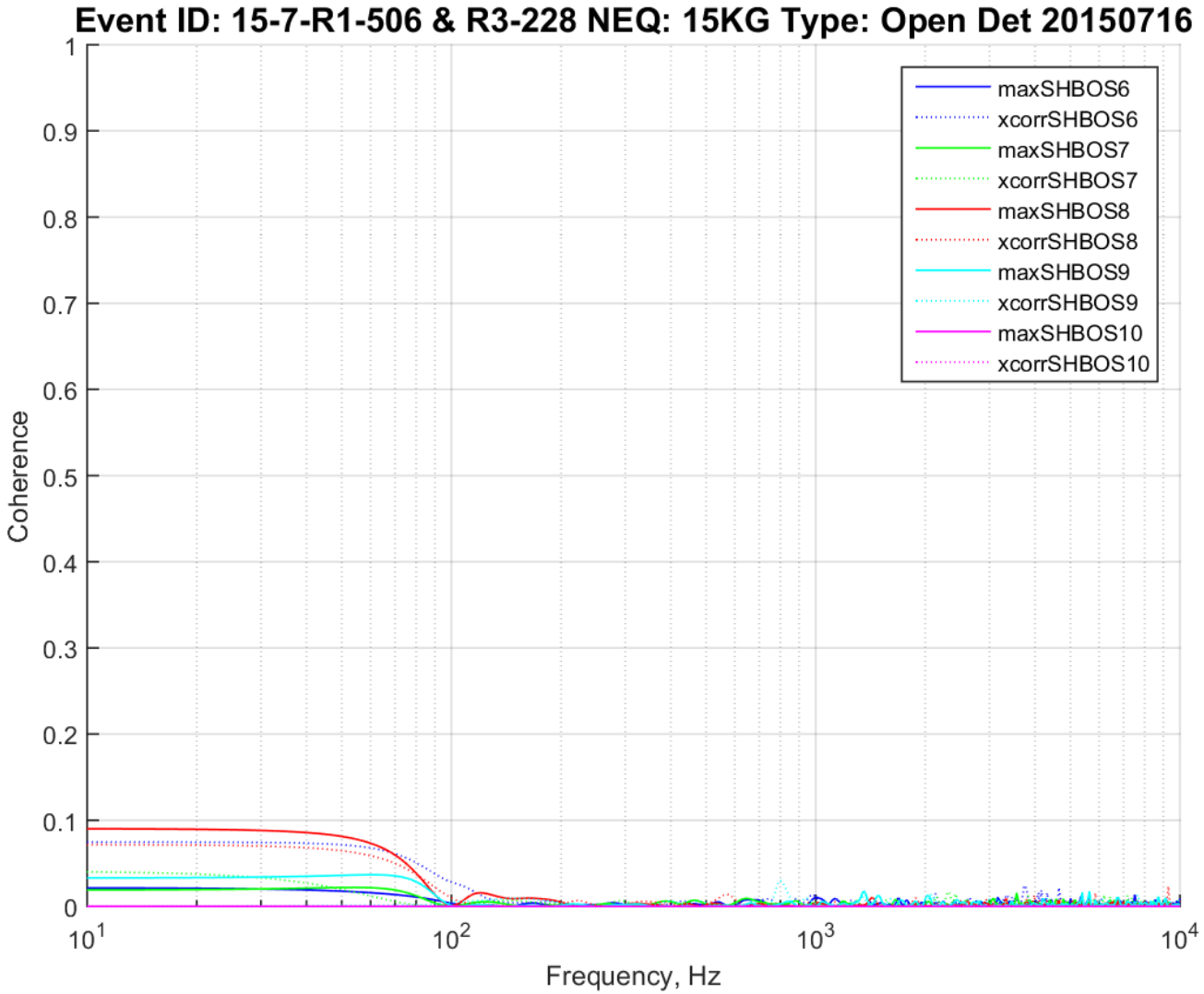


FIGURE 2.299: COHERENCE SHB_OS 6 - 10 15-7-R1-506 & R3-228CTD

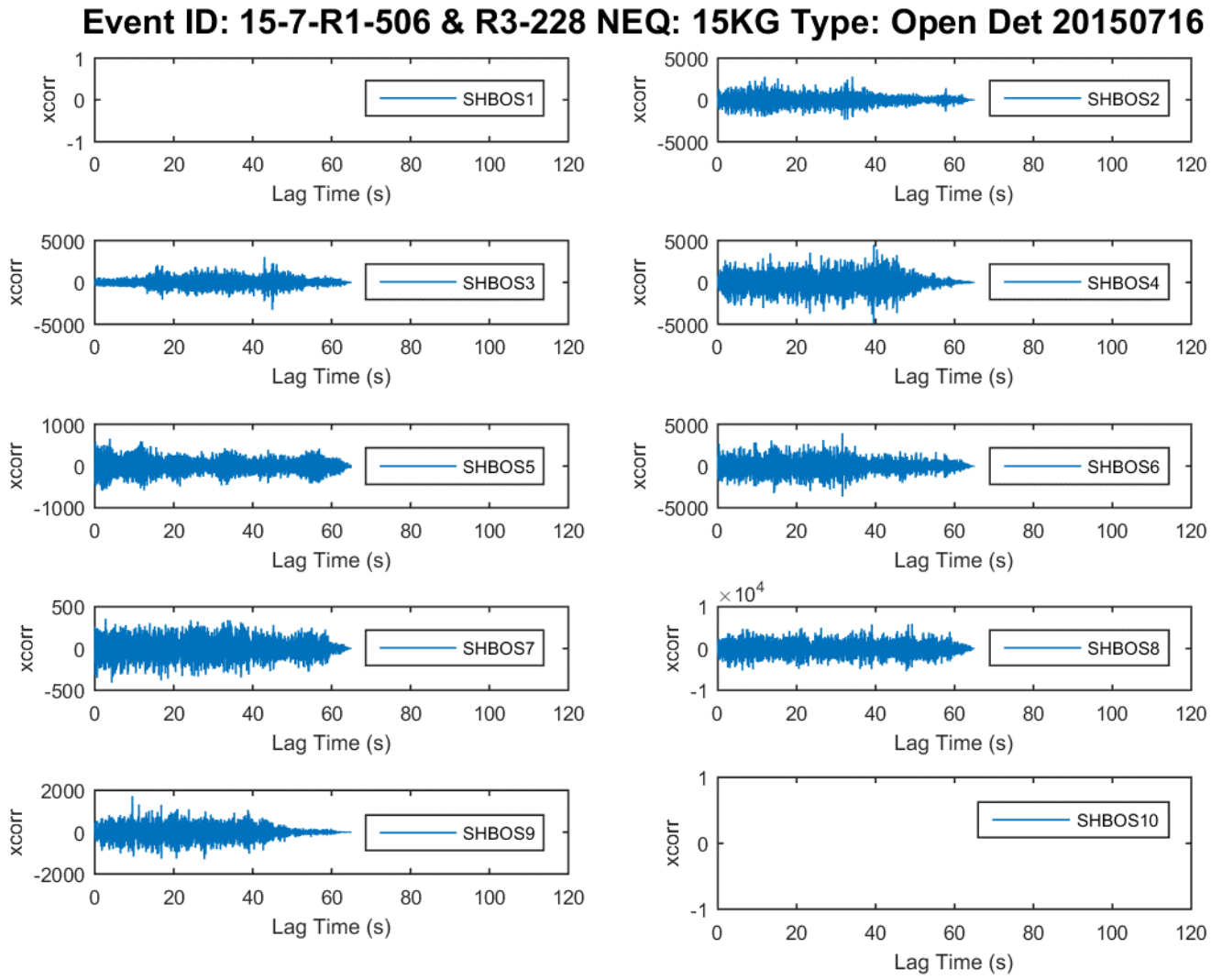


FIGURE 2.300: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-506 & R3-228

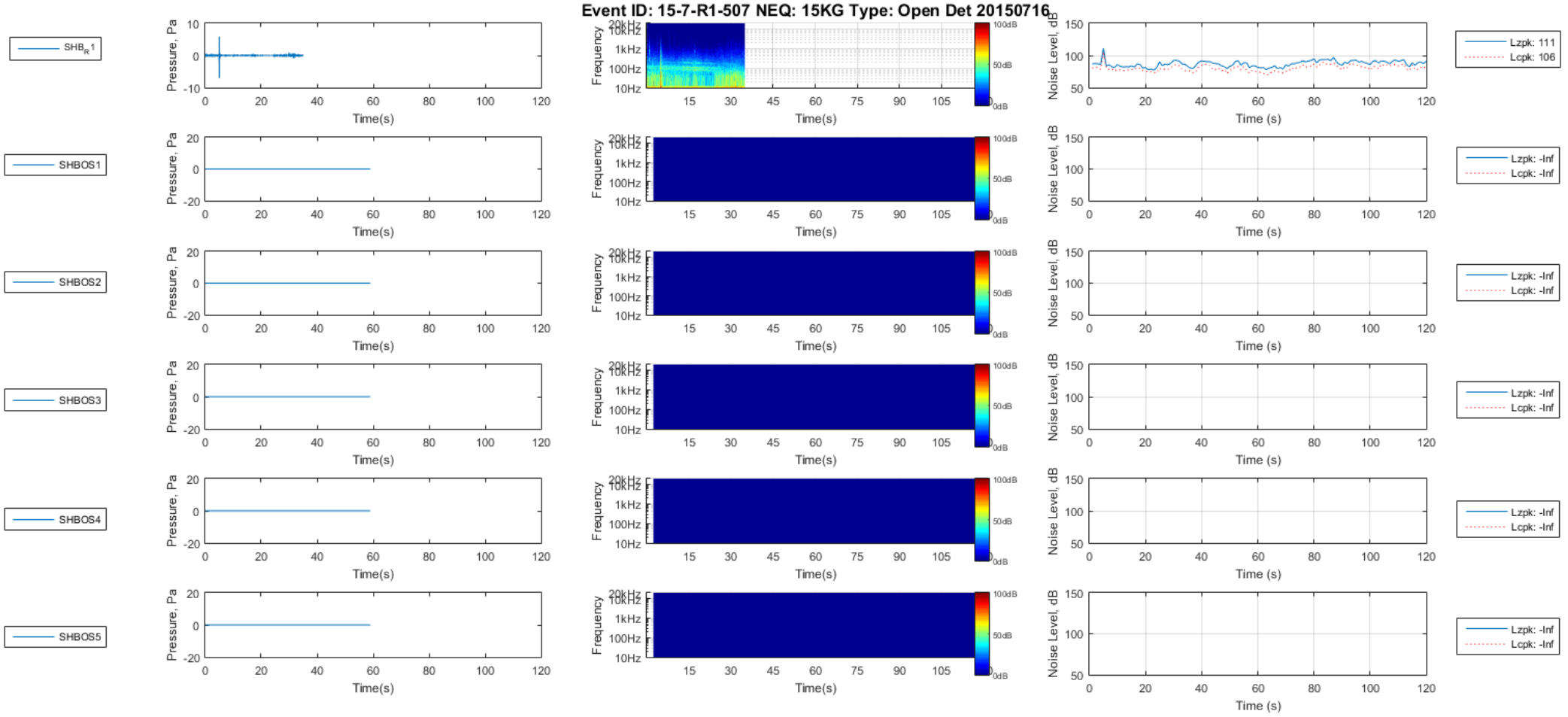


FIGURE 2.301: SHB_OS 1 - 5 15-7-R1-507

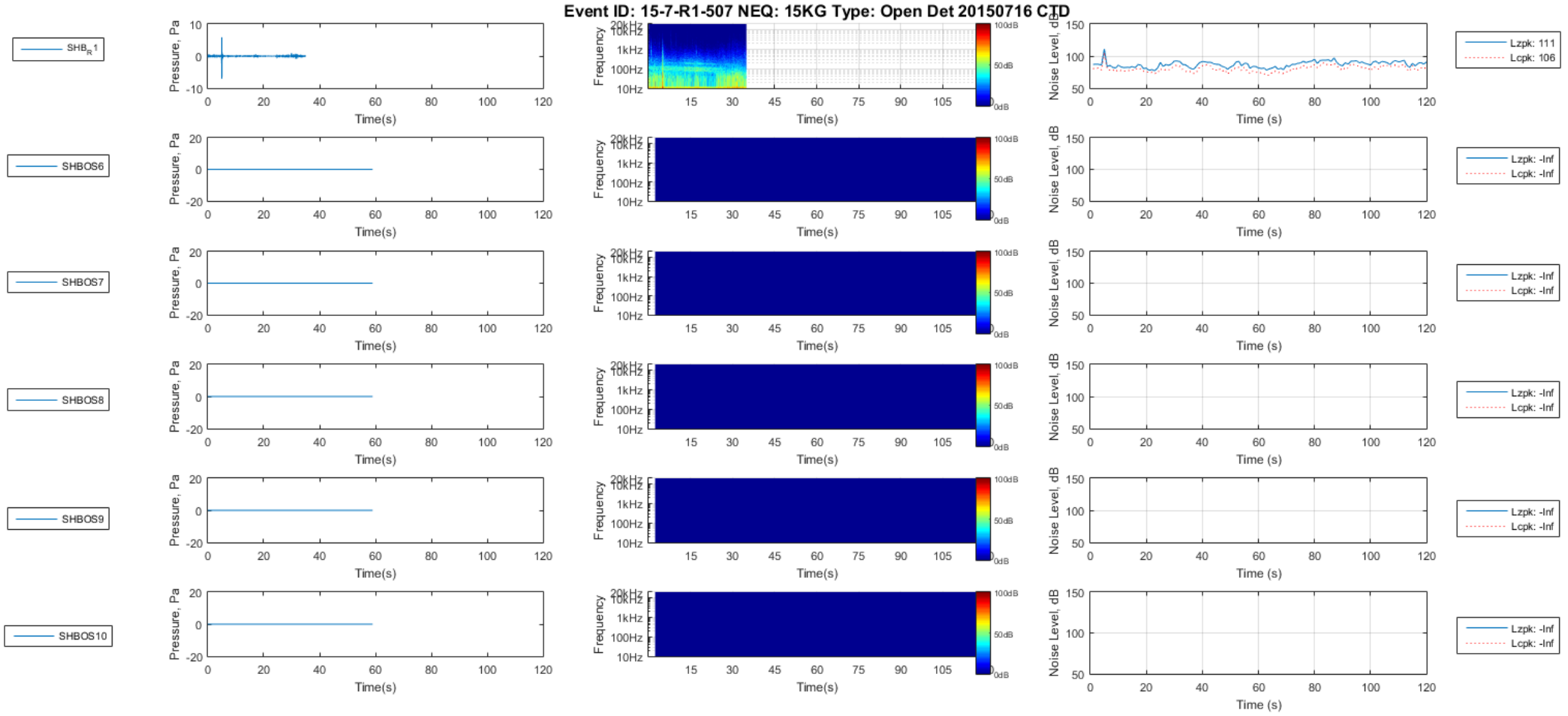


FIGURE 2.302: SHB_OS 6 - 10 15-7-R1-507

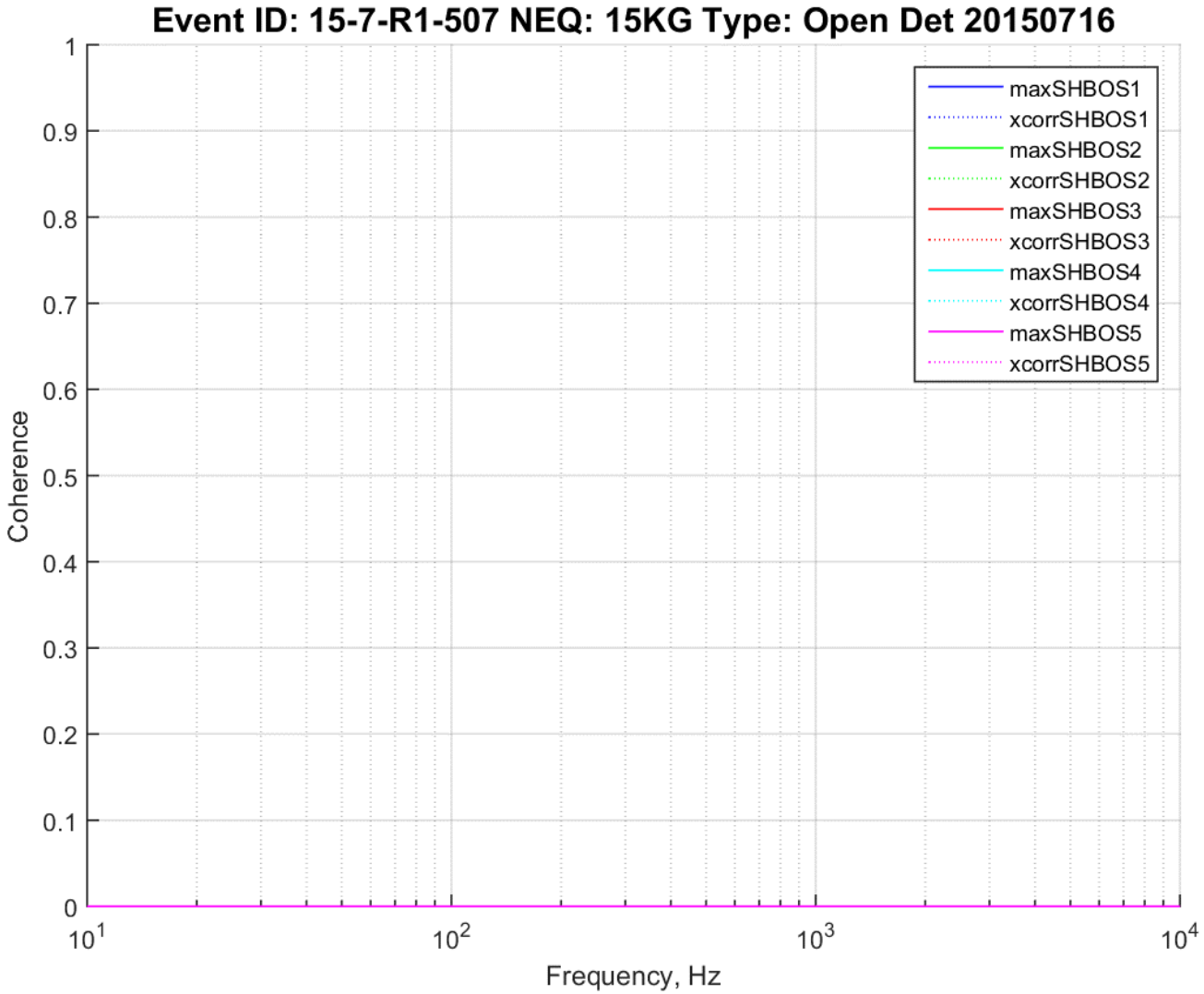


FIGURE 2.303: COHERENCE SHB_OS 1 - 5 15-7-R1-507

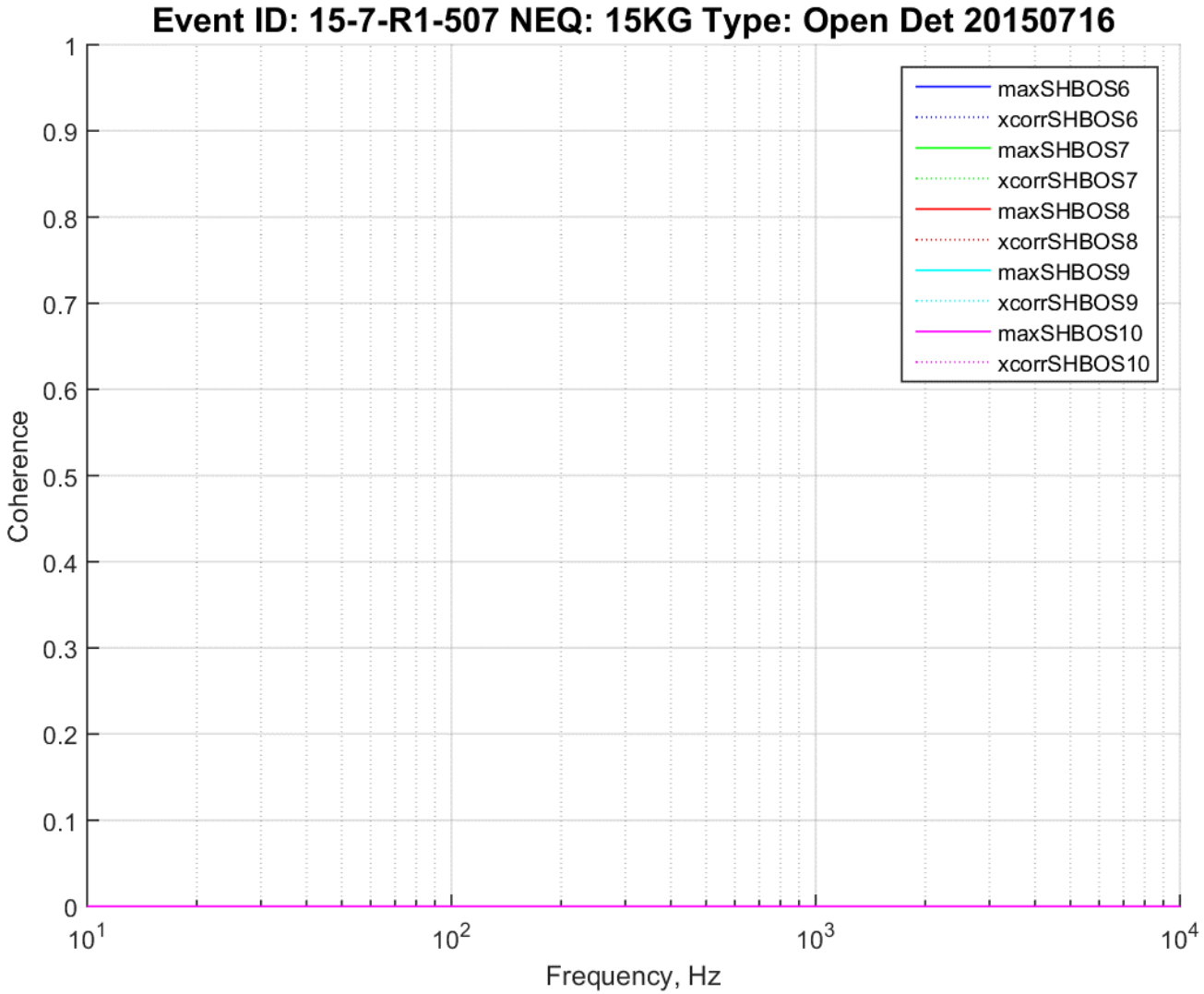


FIGURE 2.304: COHERENCE SHB_OS 6 - 10 15-7-R1-507CTD

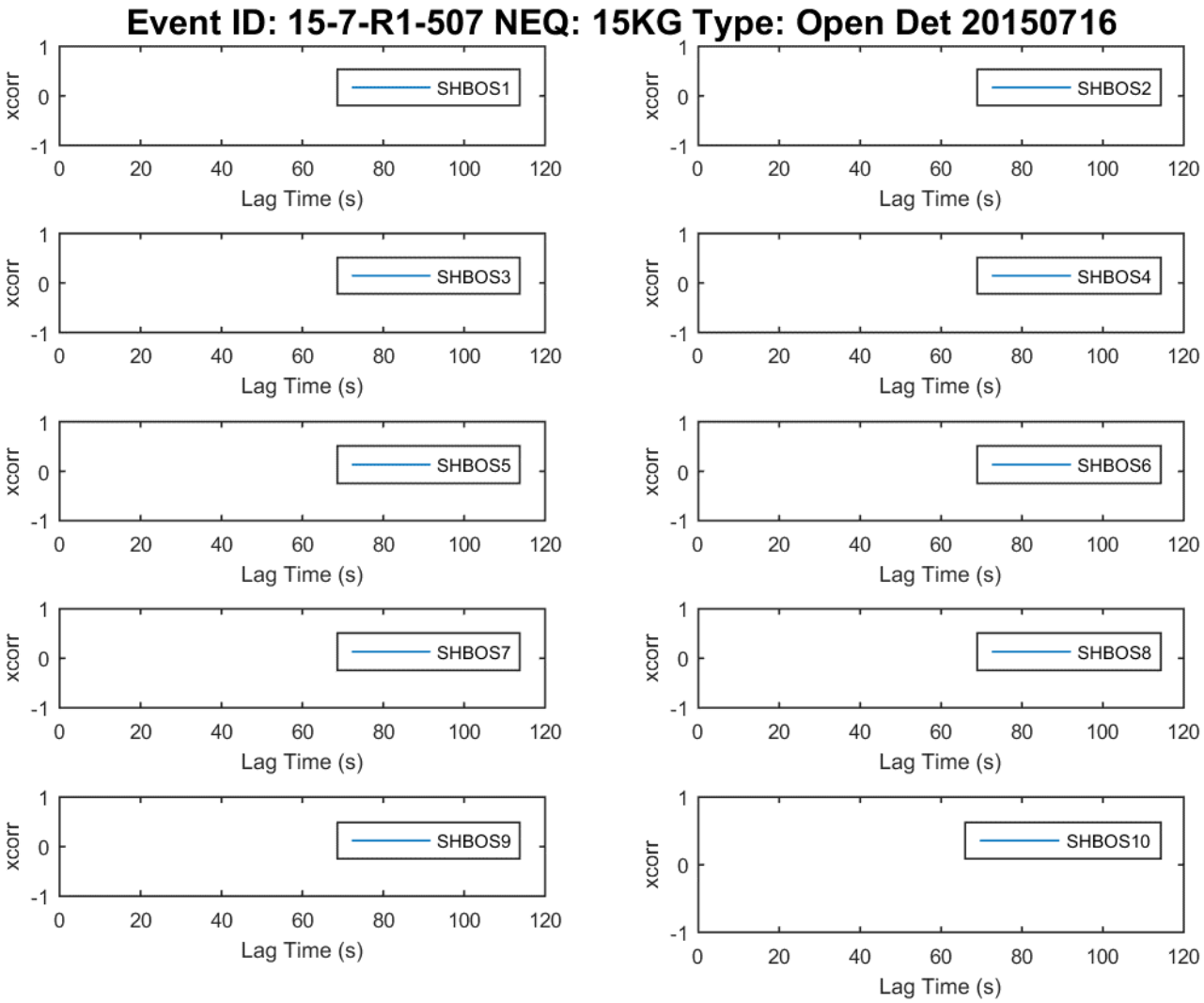


FIGURE 2.305: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-507

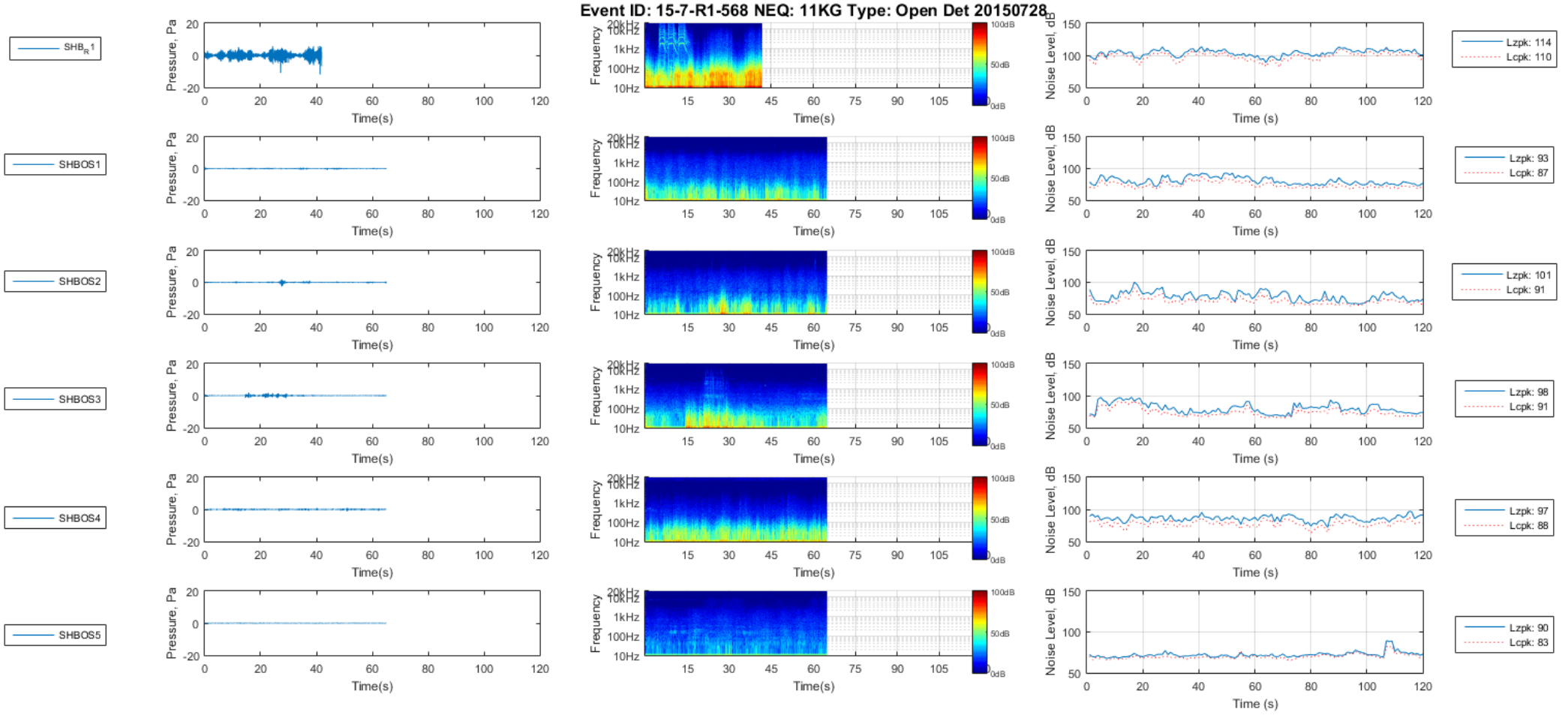


FIGURE 2.306: SHB_OS 1 - 5 15-7-R1-568

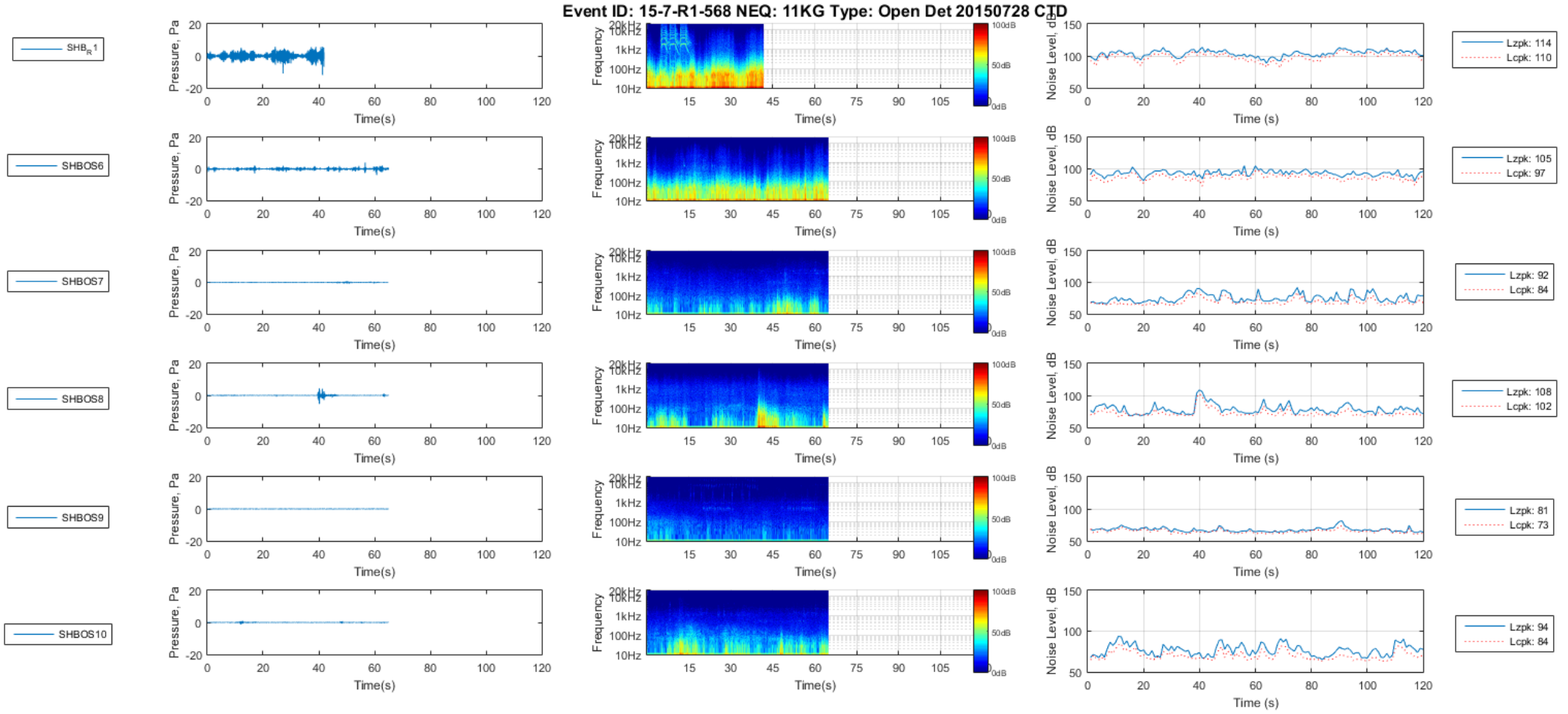


FIGURE 2.307: SHB_OS 6 - 10 15-7-R1-568

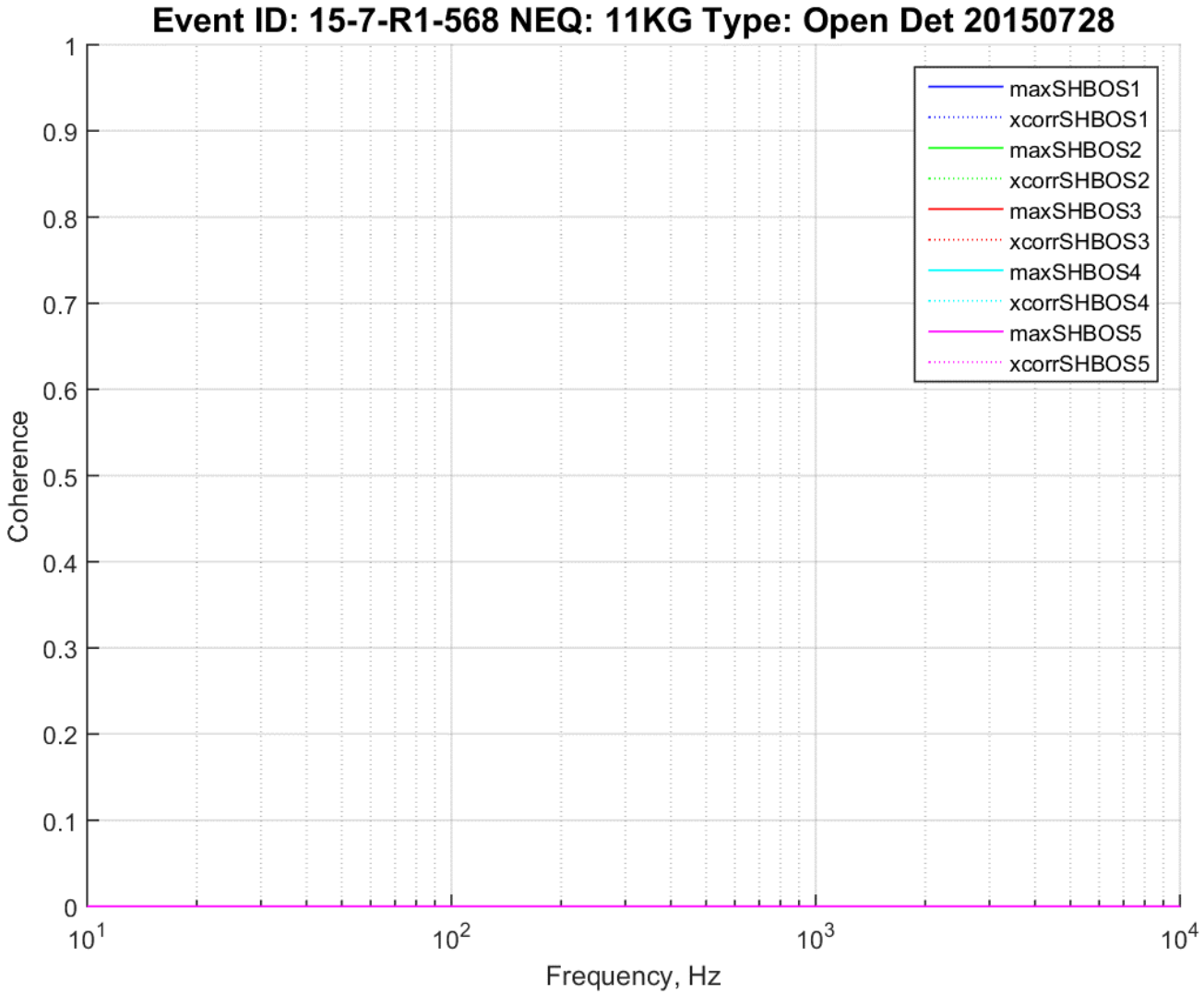


FIGURE 2.308: COHERENCE SHB_OS 1 - 5 15-7-R1-568

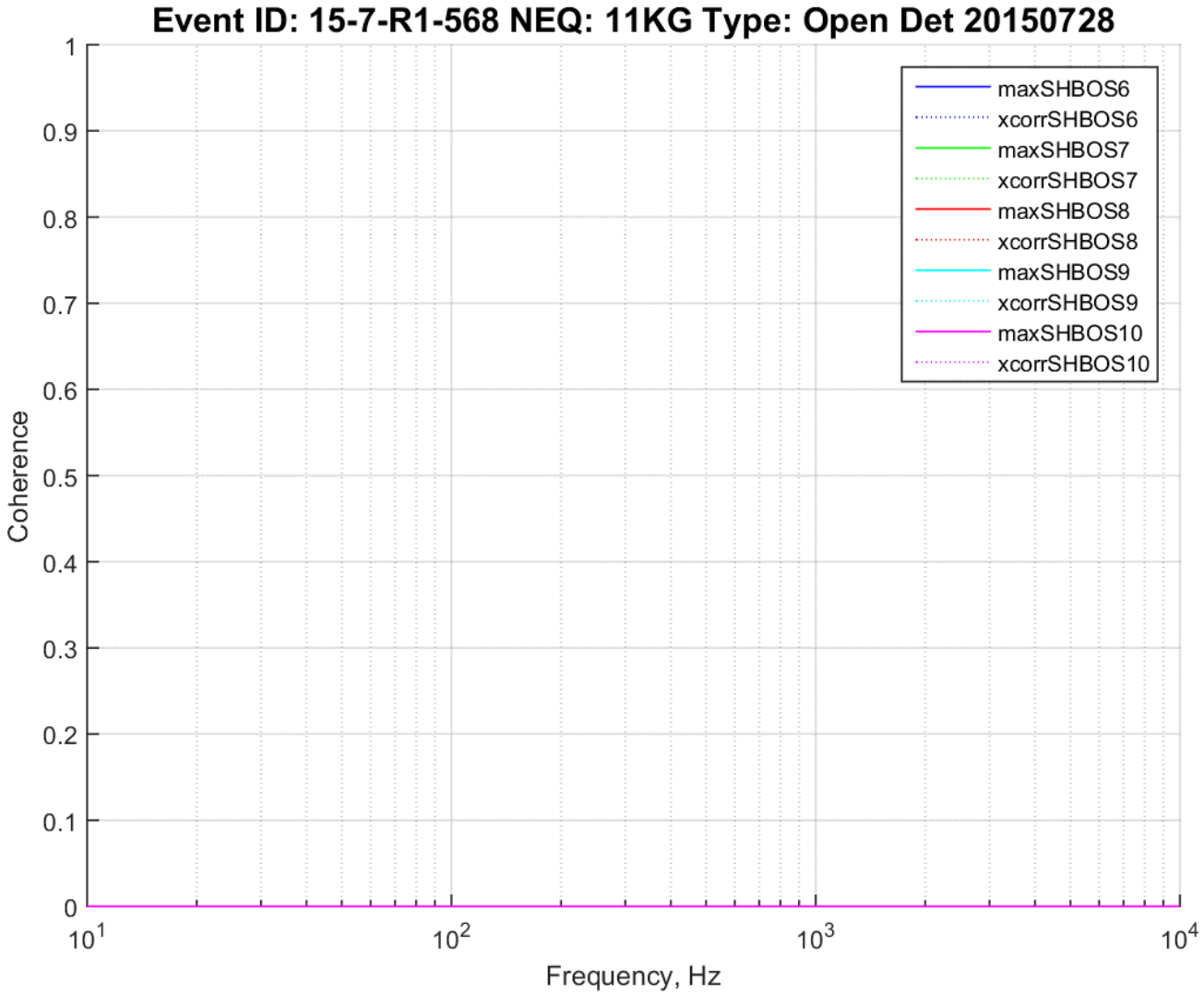


FIGURE 2.309: COHERENCE SHB_OS 6 - 10 15-7-R1-568CTD

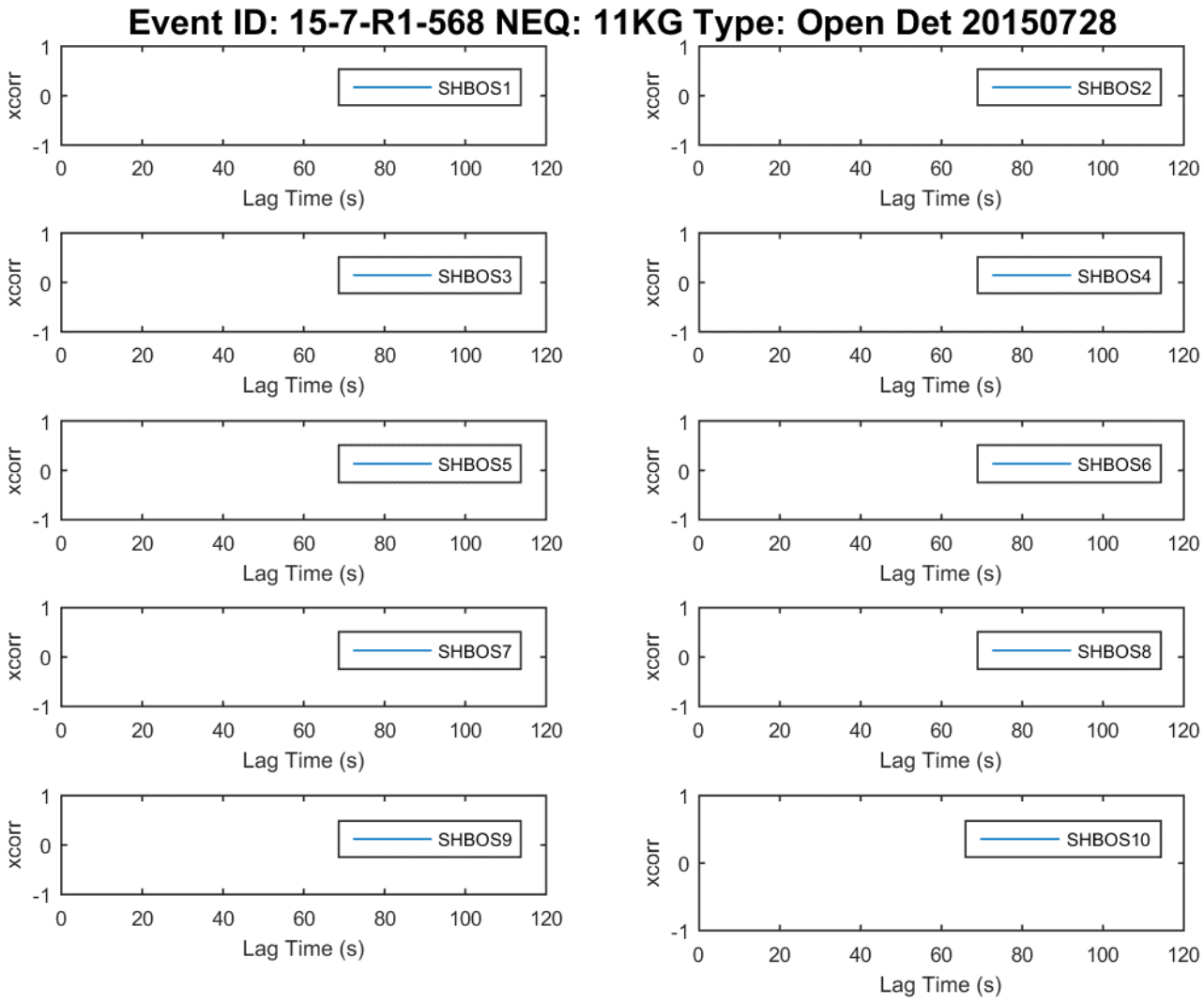


FIGURE 2.310: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-568

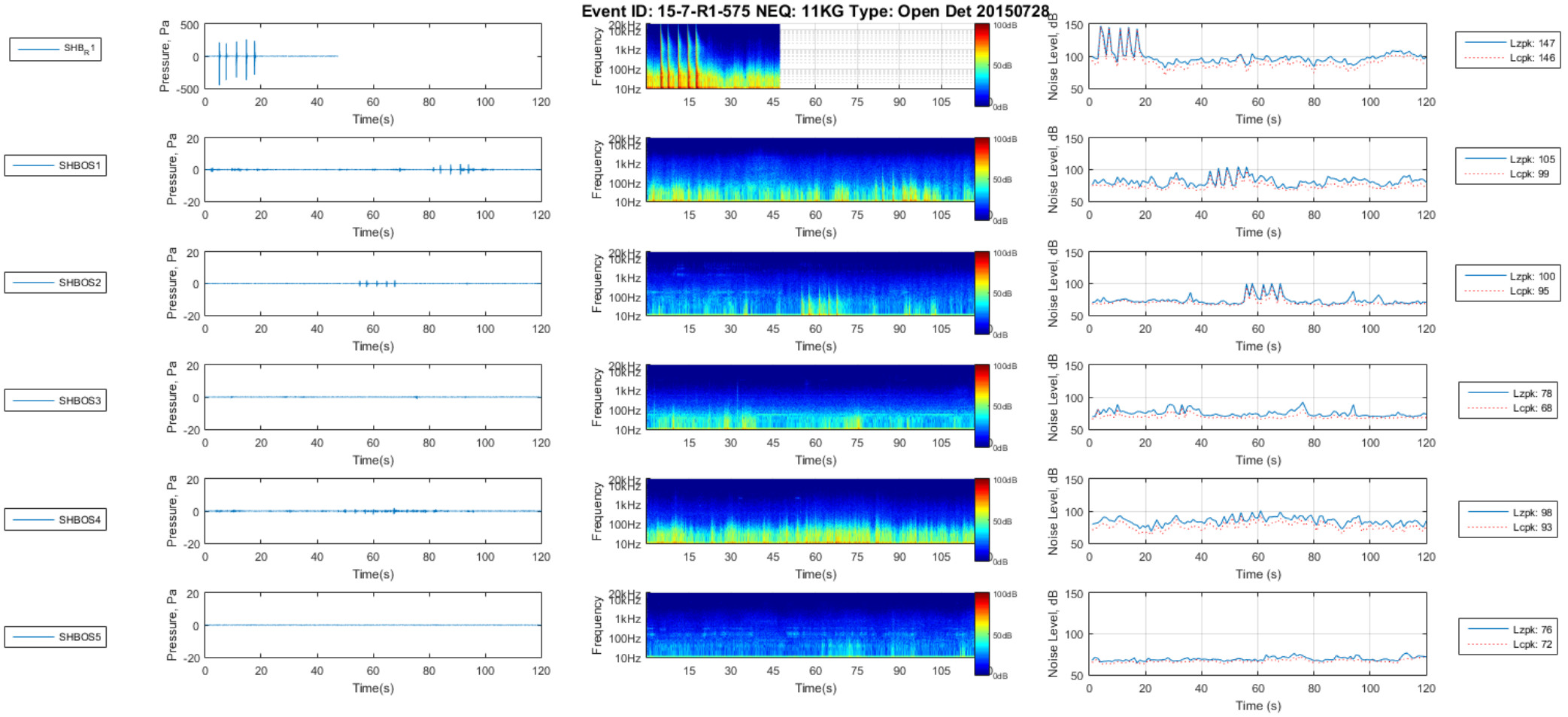


FIGURE 2.311: SHB_OS 1 - 5 15-7-R1-575

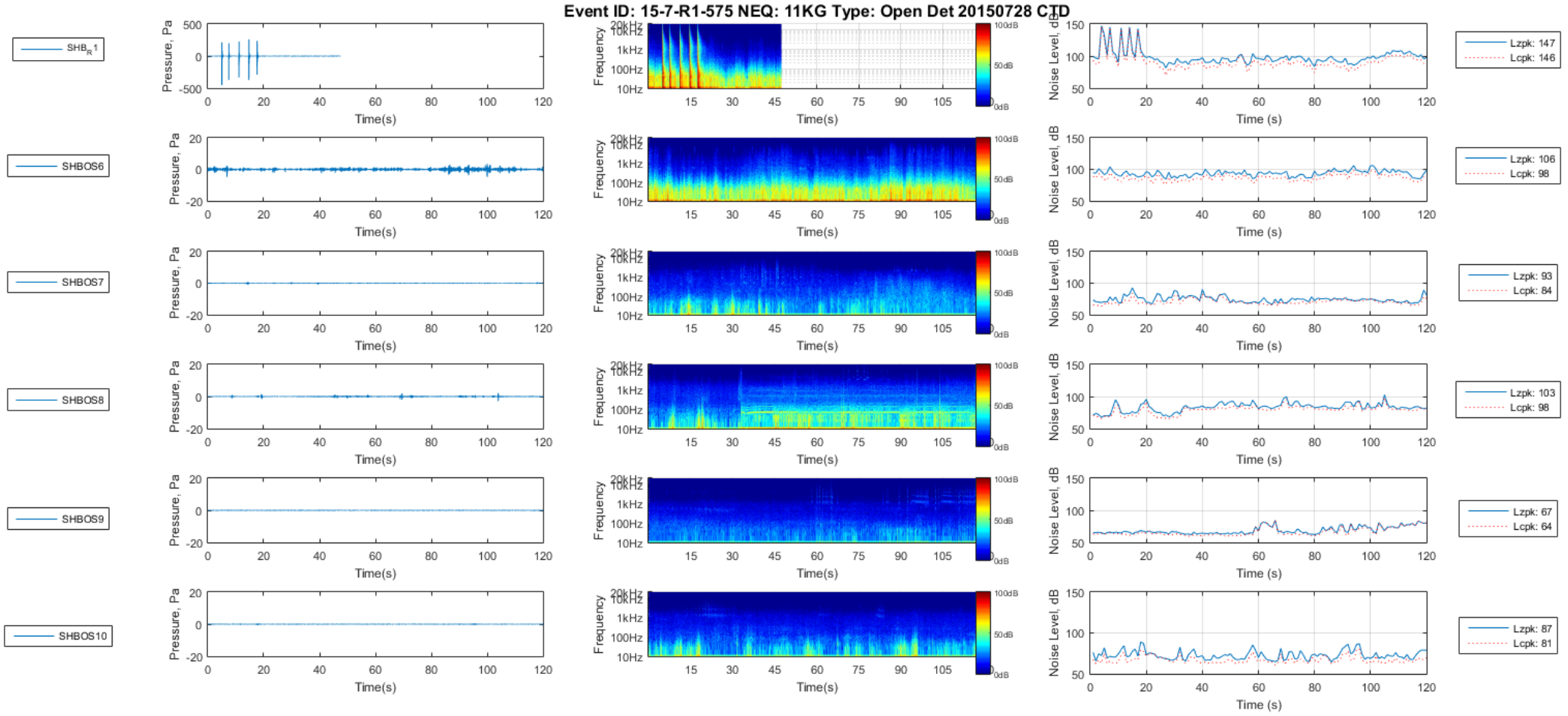


FIGURE 2.312: SHB_OS 6 - 10 15-7-R1-575

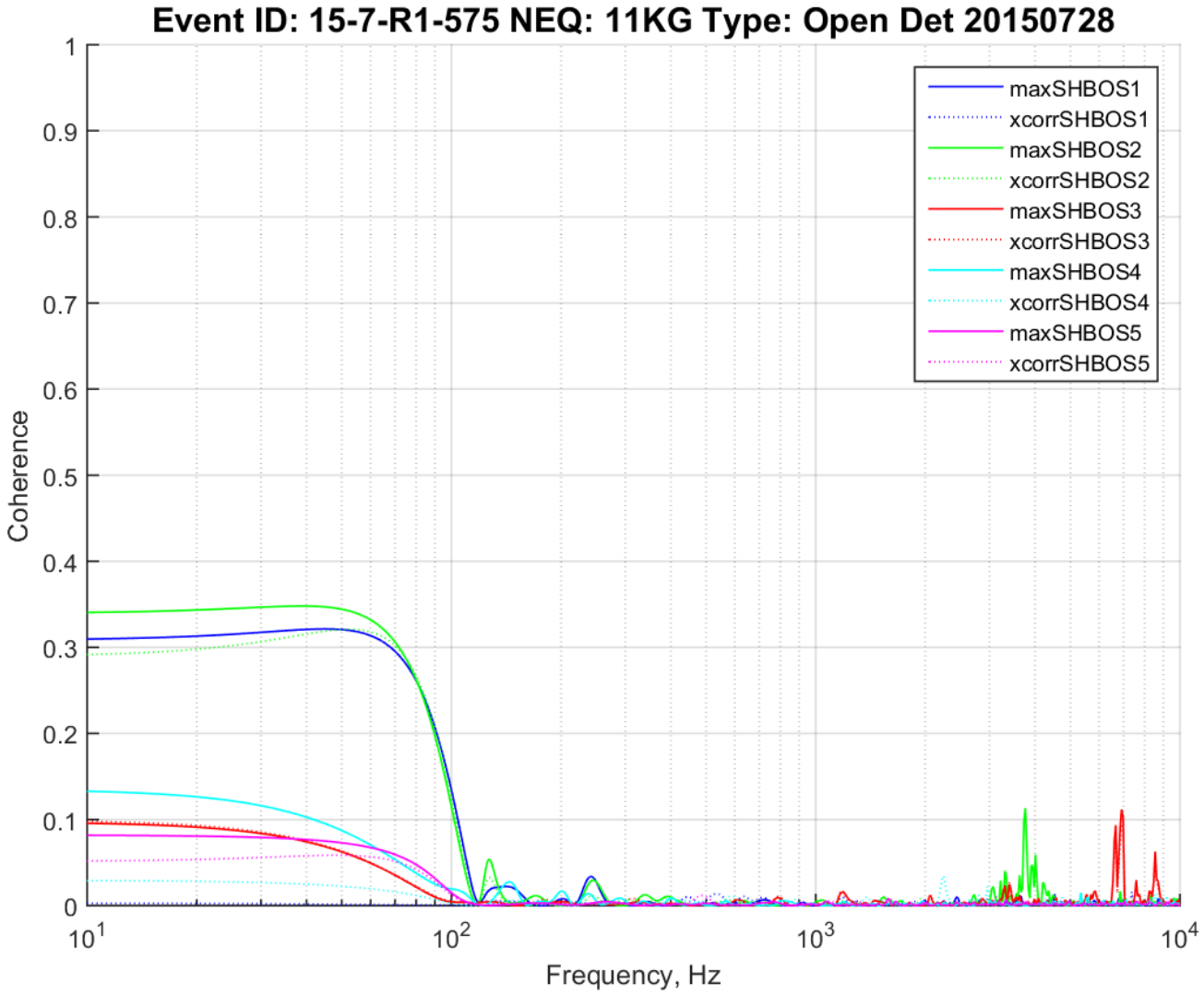


FIGURE 2.313: COHERENCE SHB_OS 1 - 5 15-7-R1-575

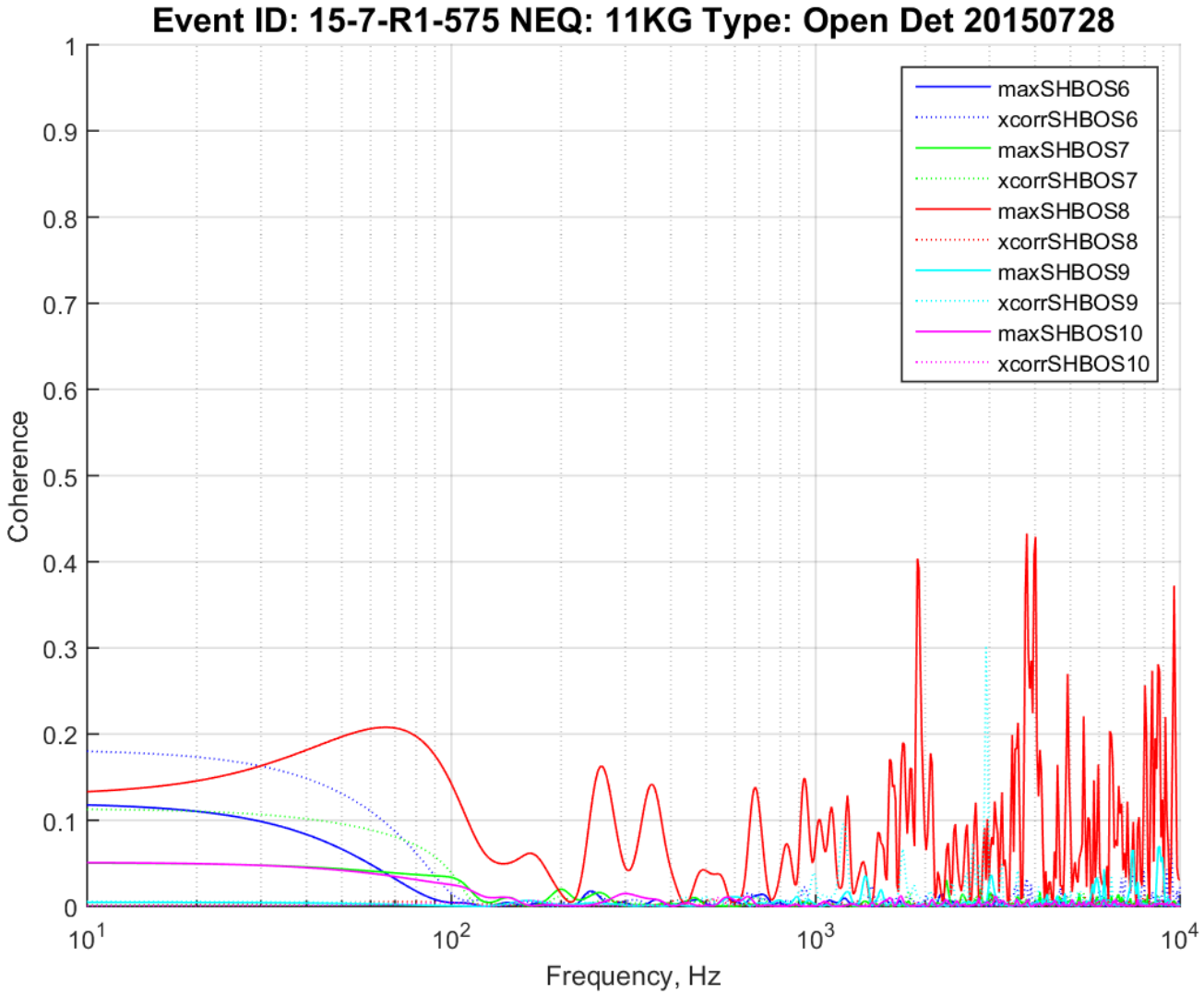


FIGURE 2.314: COHERENCE SHB_OS 6 - 10 15-7-R1-575CTD

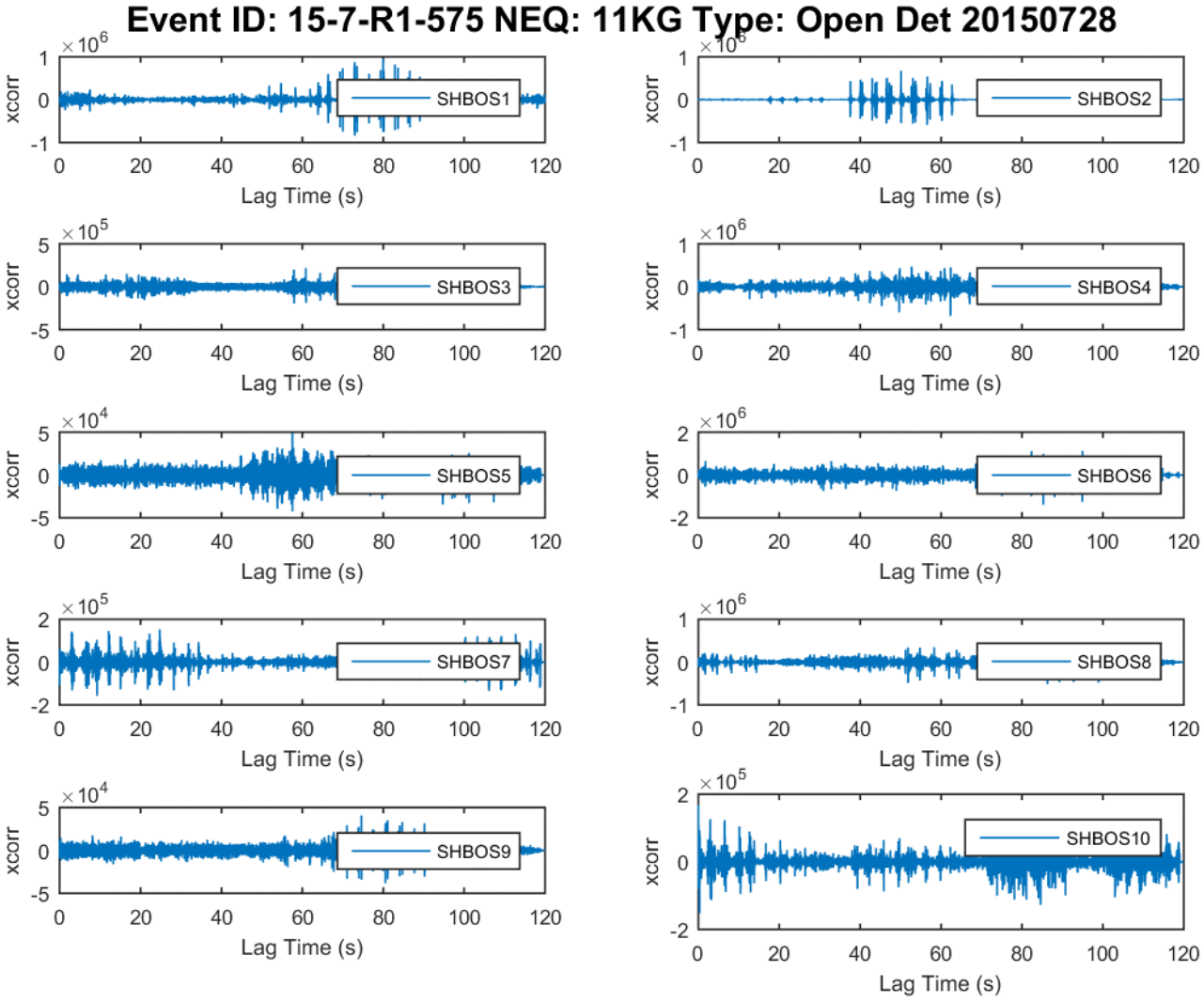


FIGURE 2.315: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-575

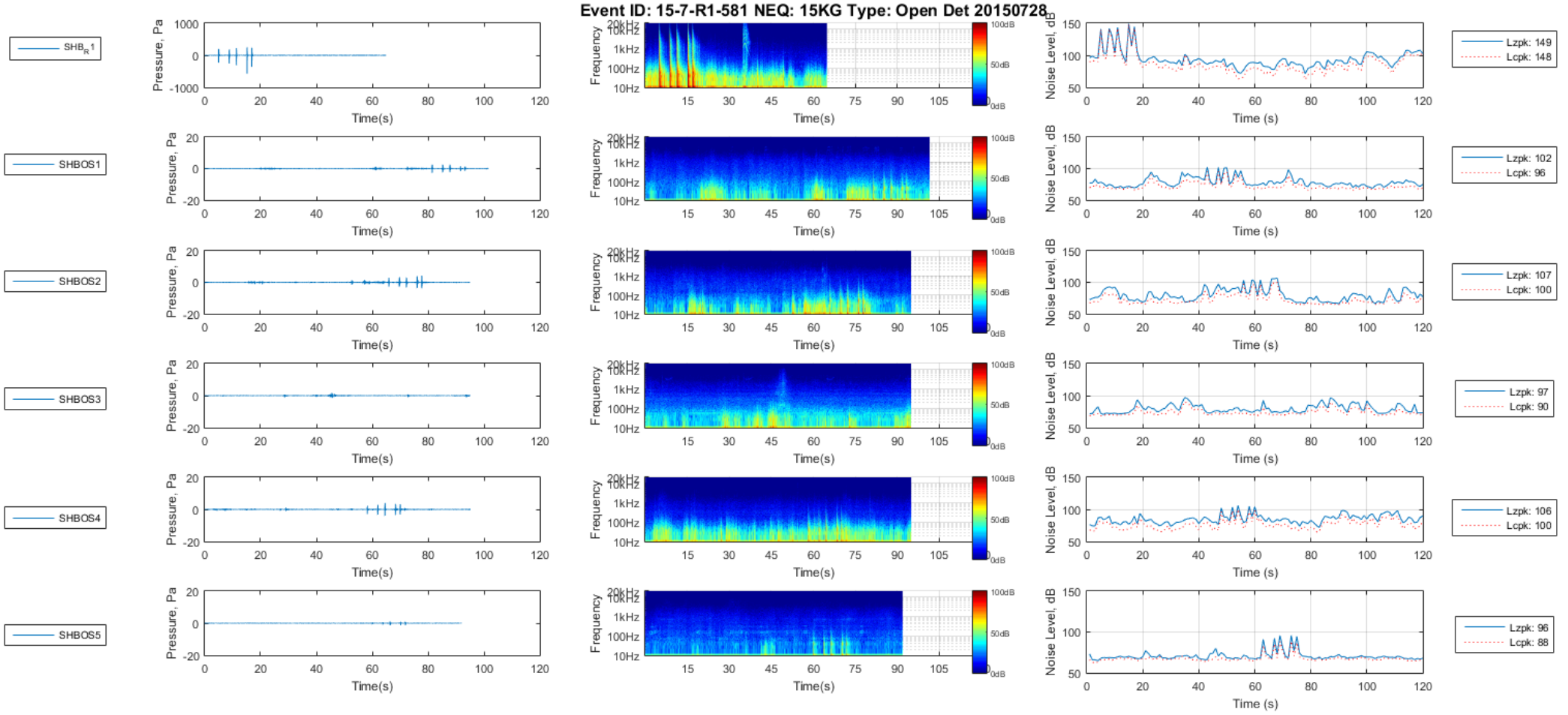


FIGURE 2.316: SHB_OS 1 - 5 15-7-R1-581

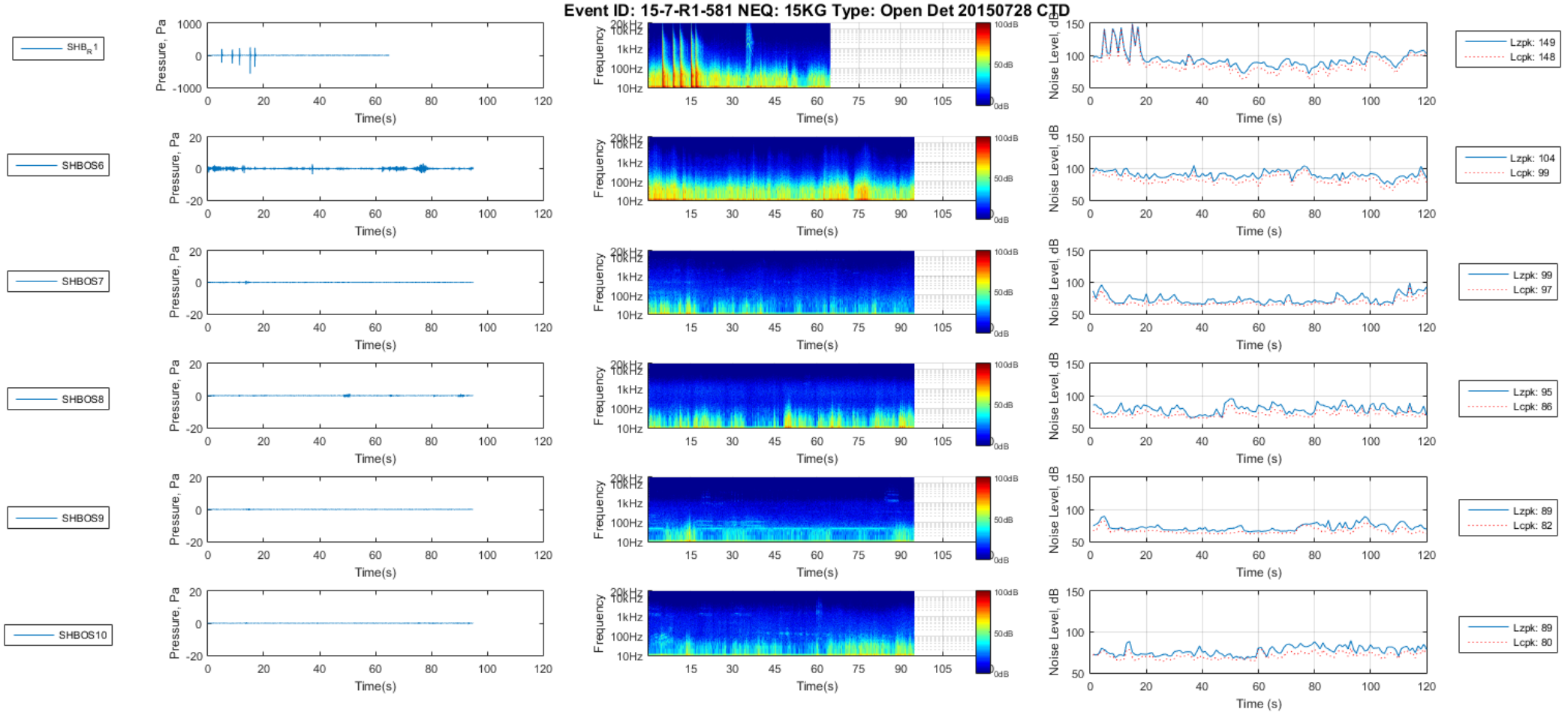


FIGURE 2.317: SHB_OS 6 - 10 15-7-R1-581

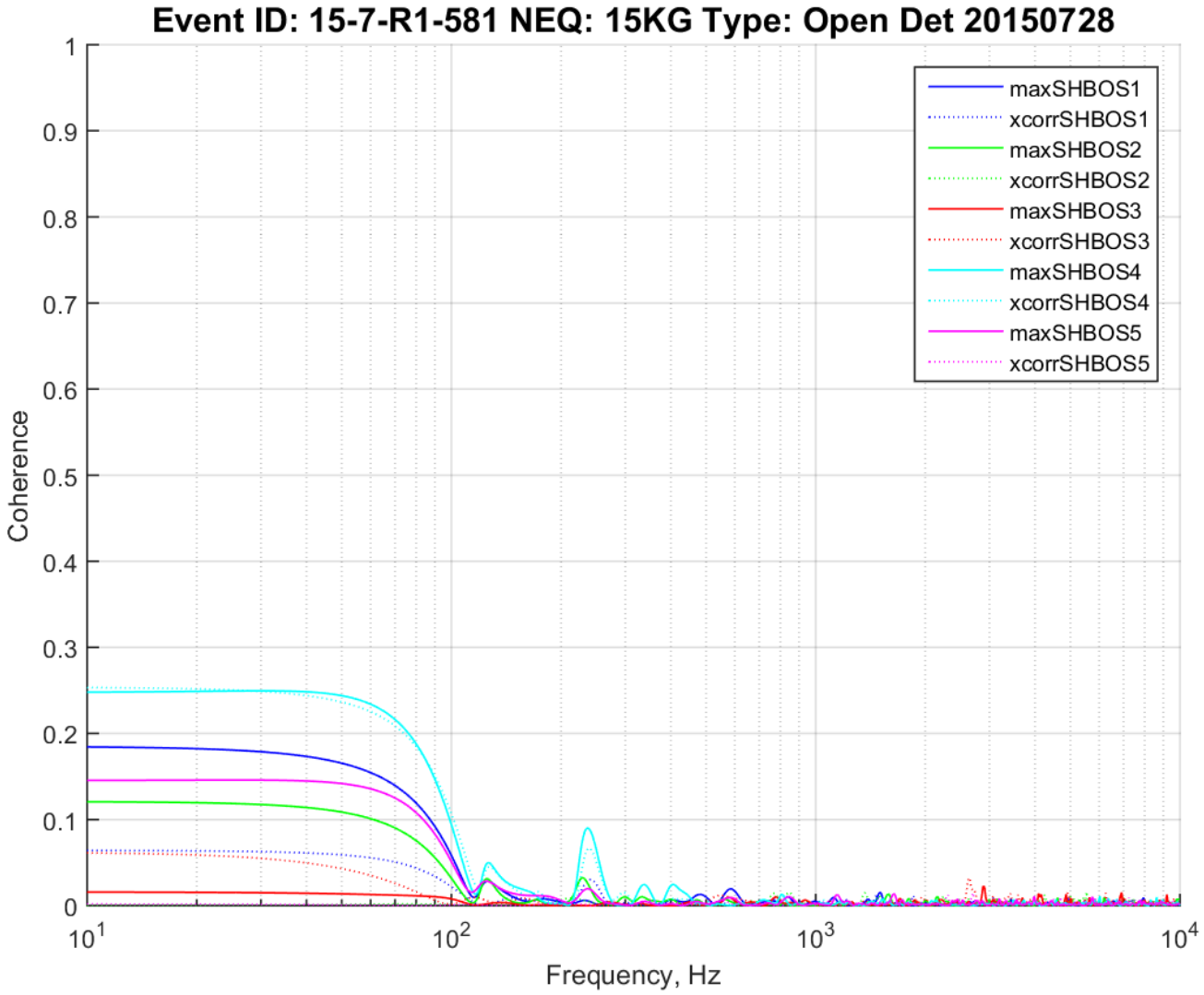


FIGURE 2.318: COHERENCE SHB_OS 1 - 5 15-7-R1-581

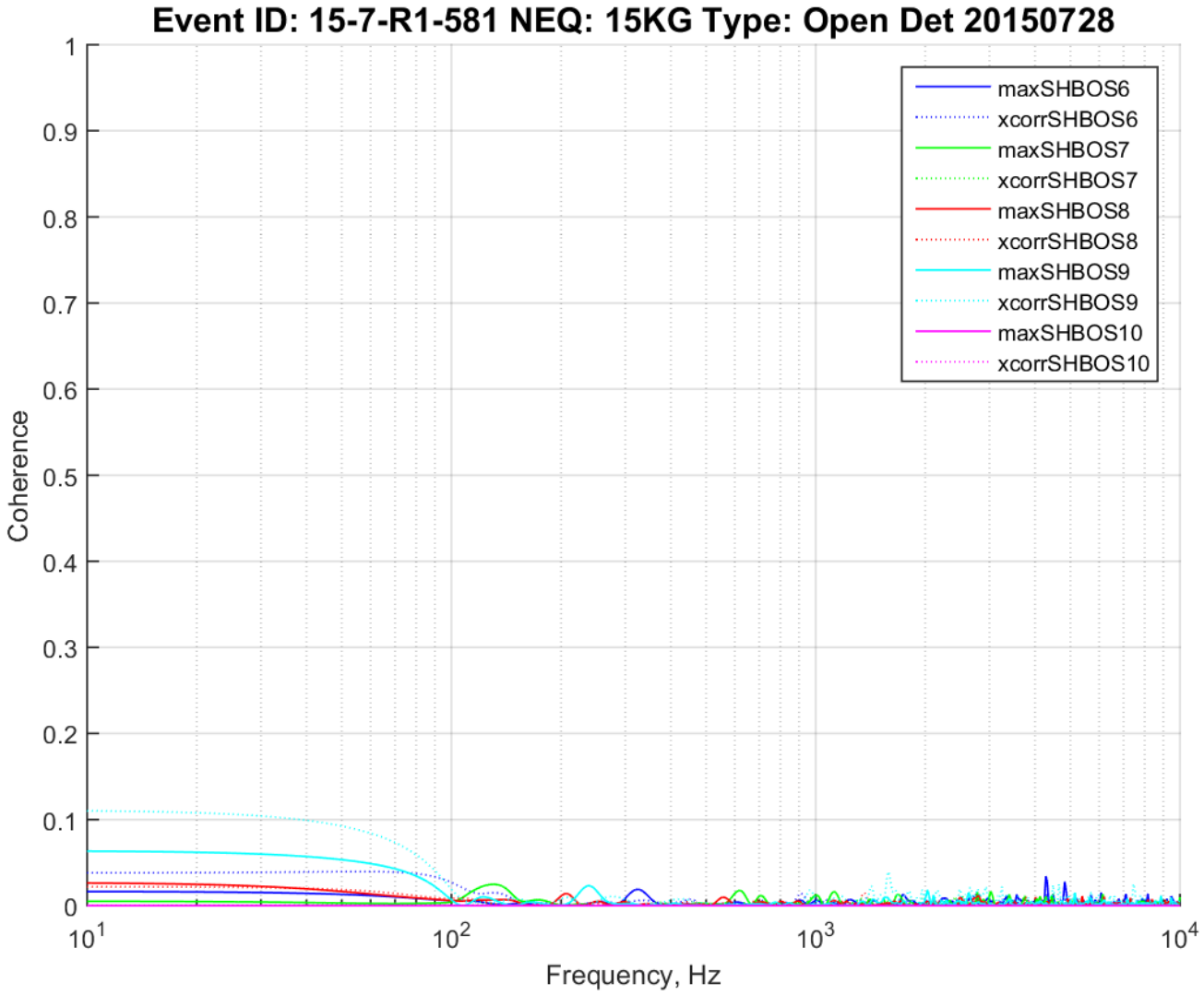


FIGURE 2.319: COHERENCE SHB_OS 6 - 10 15-7-R1-581CTD

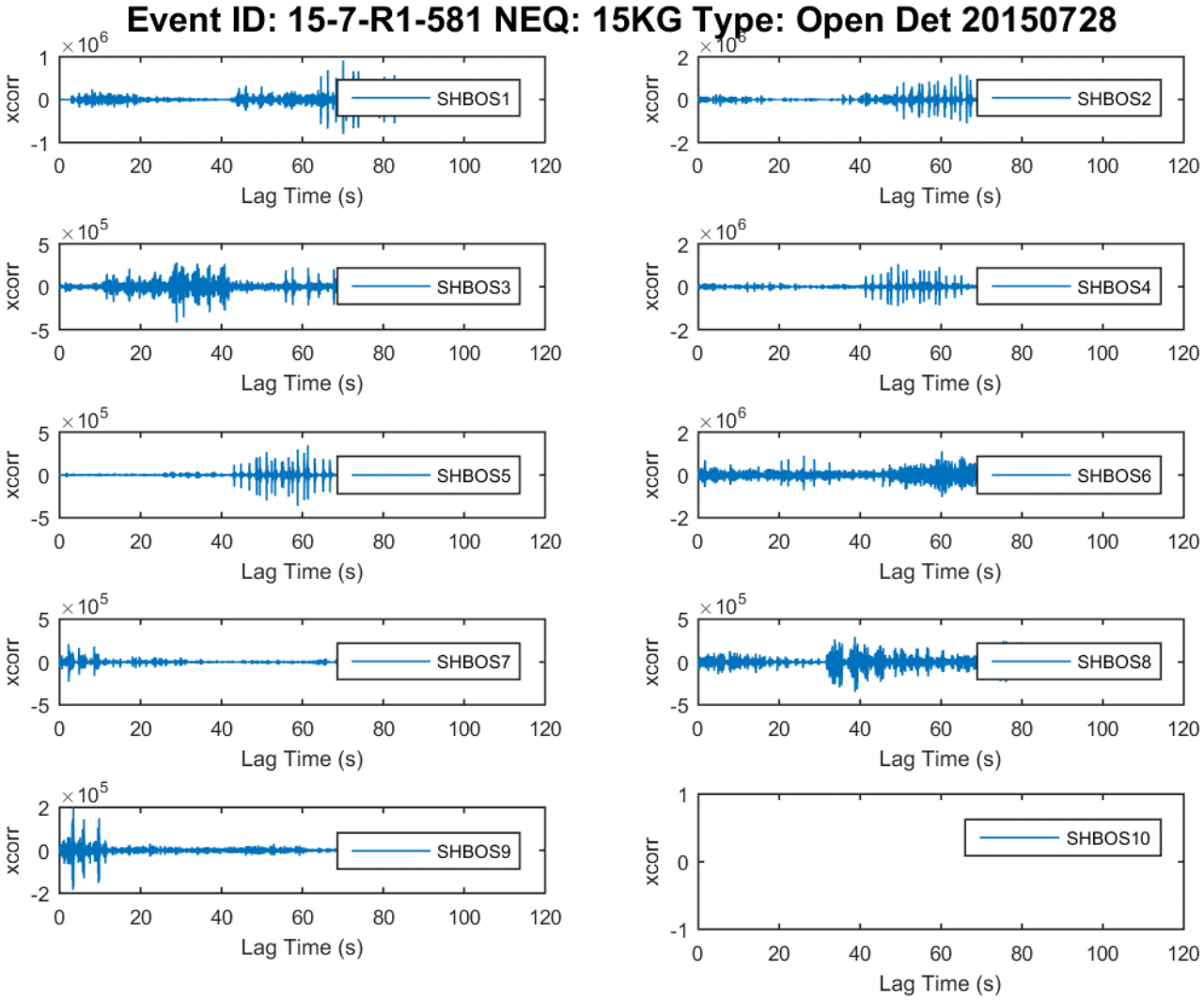


FIGURE 2.320: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-581

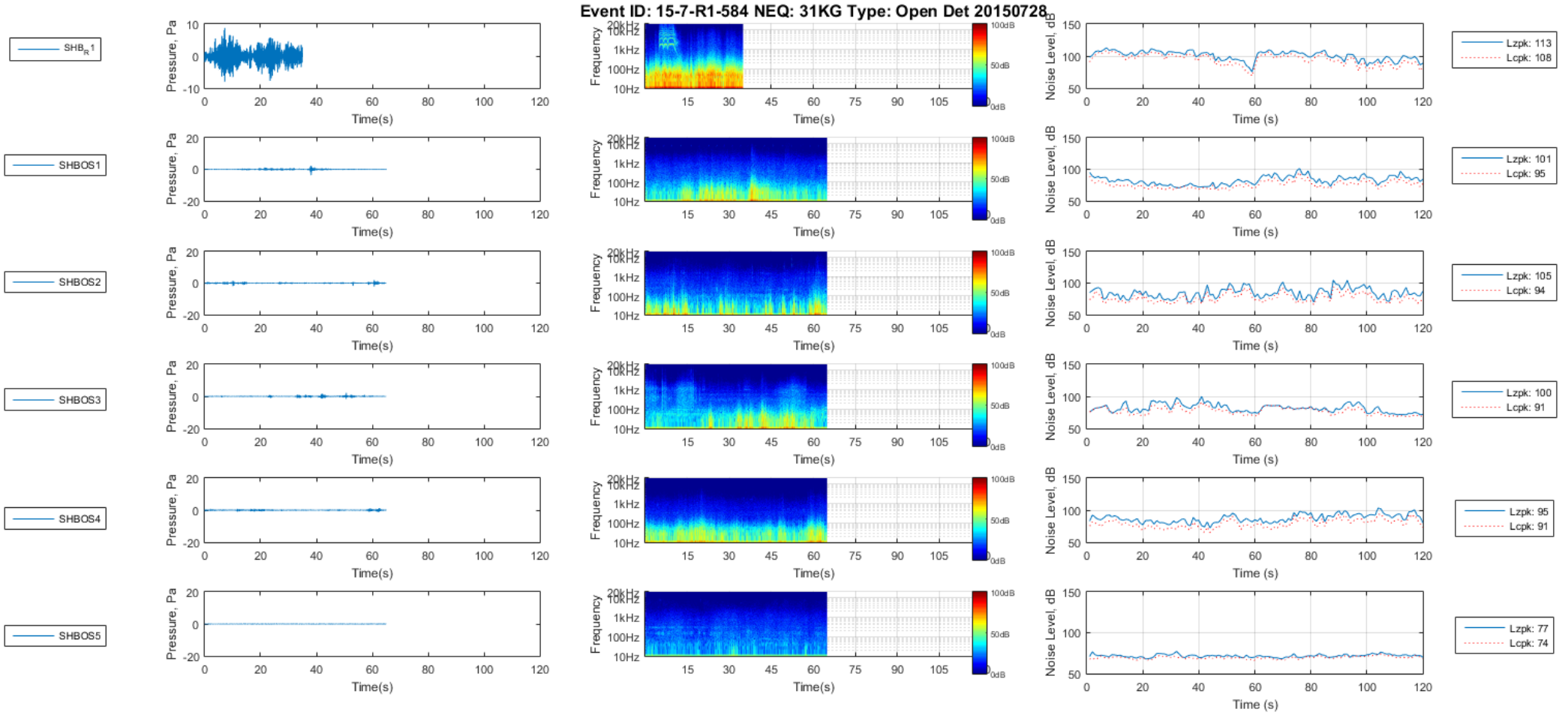


FIGURE 2.321: SHB_OS 1 - 5 15-7-R1-584

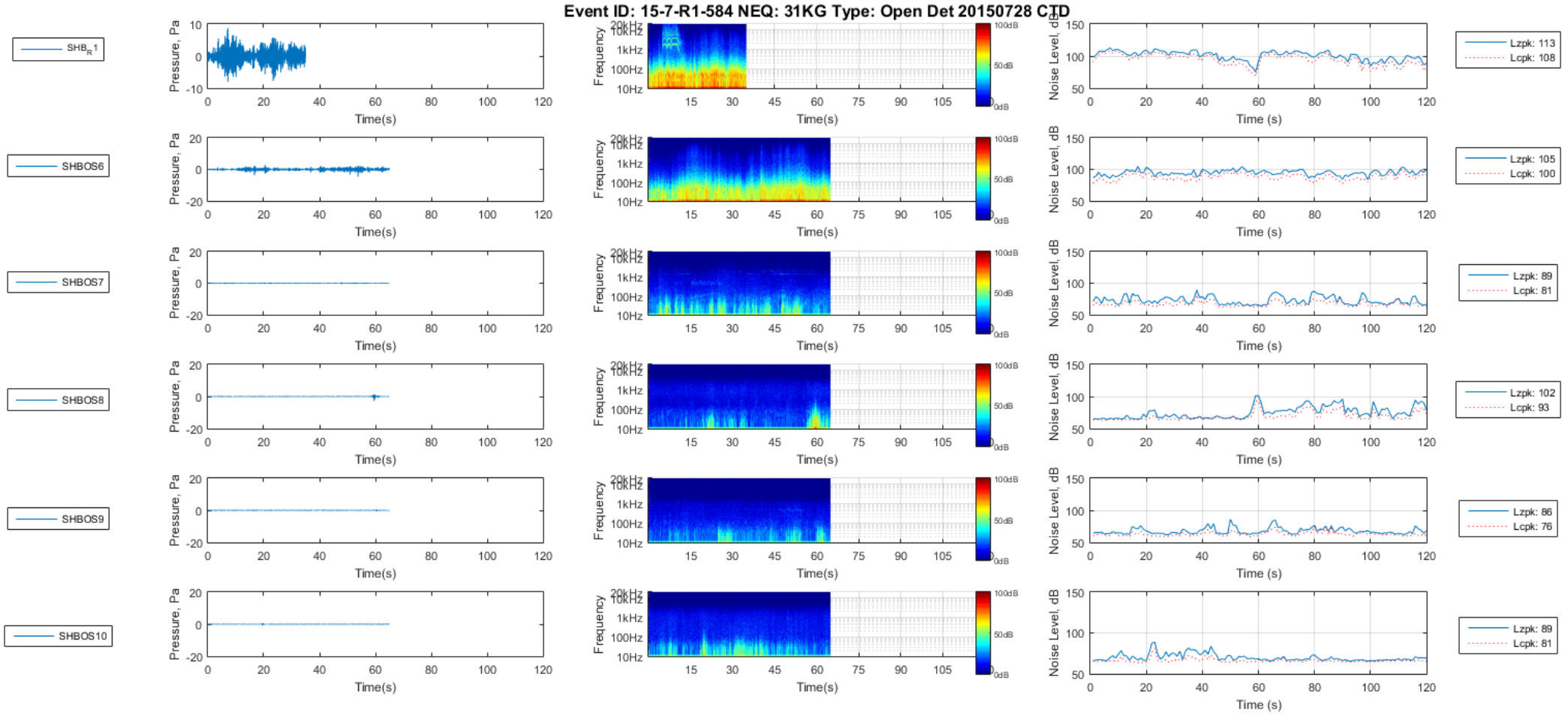


FIGURE 2.322: SHB_OS 6 - 10 15-7-R1-584

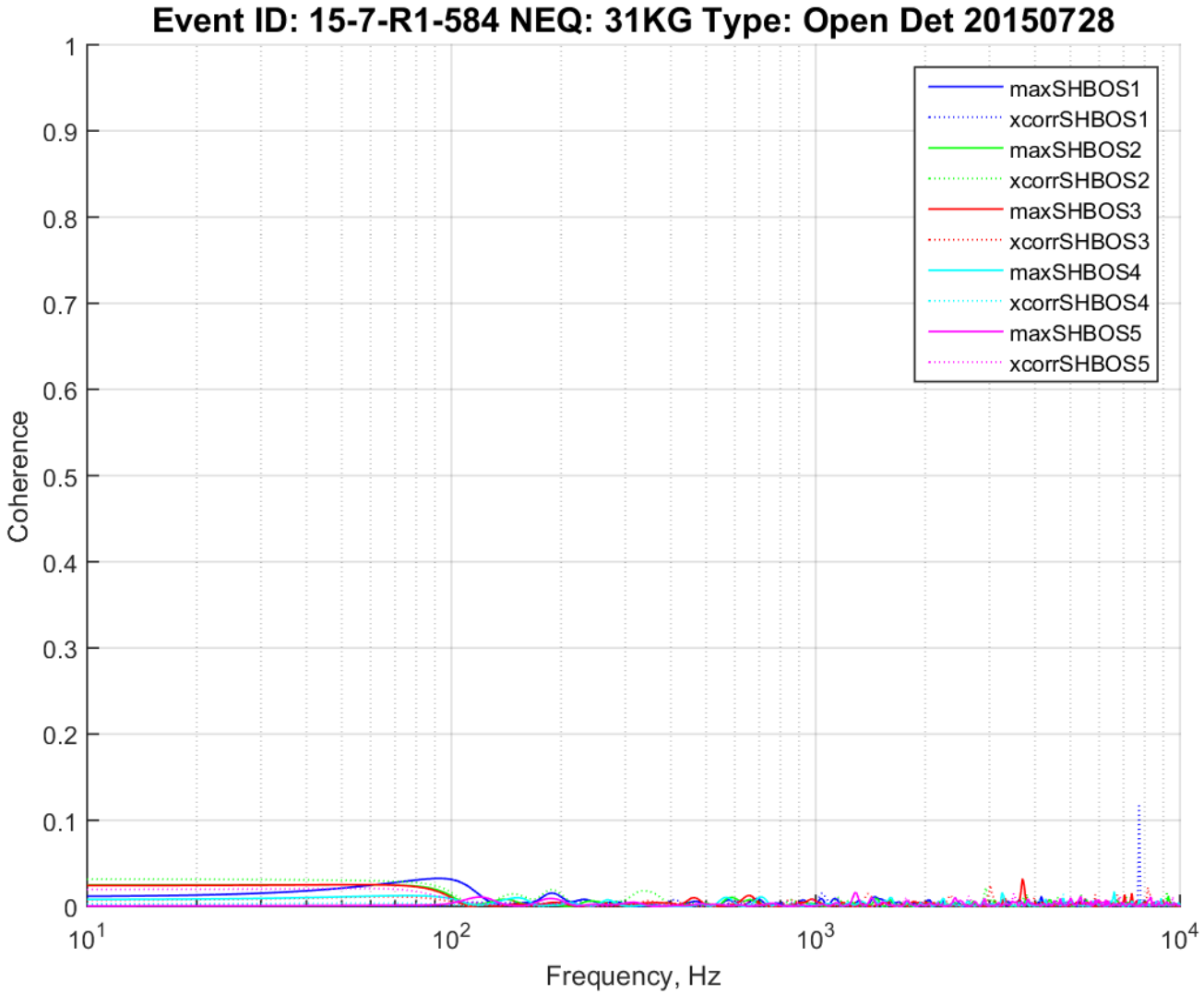


FIGURE 2.323: COHERENCE SHB_OS 1 - 5 15-7-R1-584

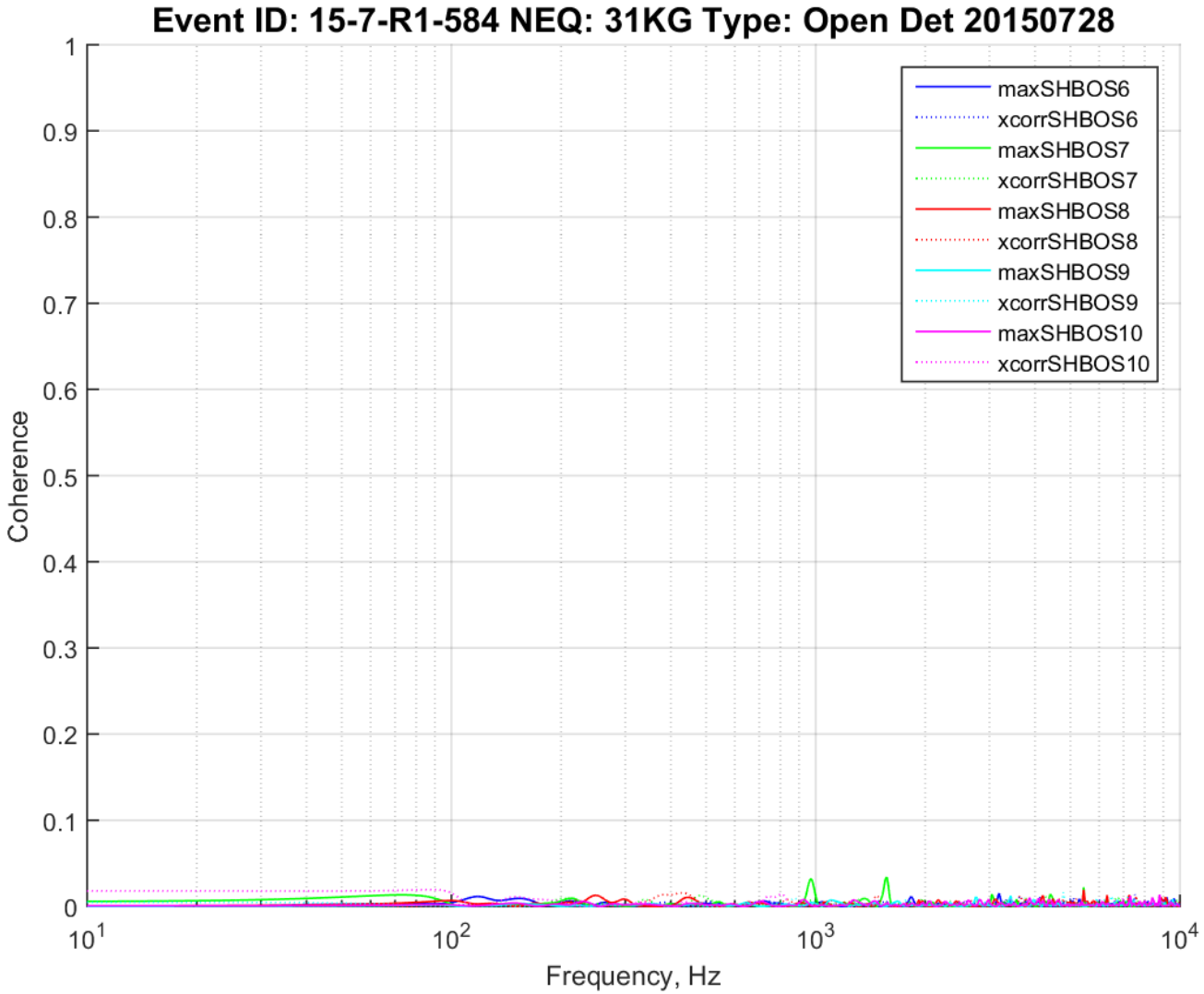


FIGURE 2.324: COHERENCE SHB_OS 6 - 10 15-7-R1-584CTD

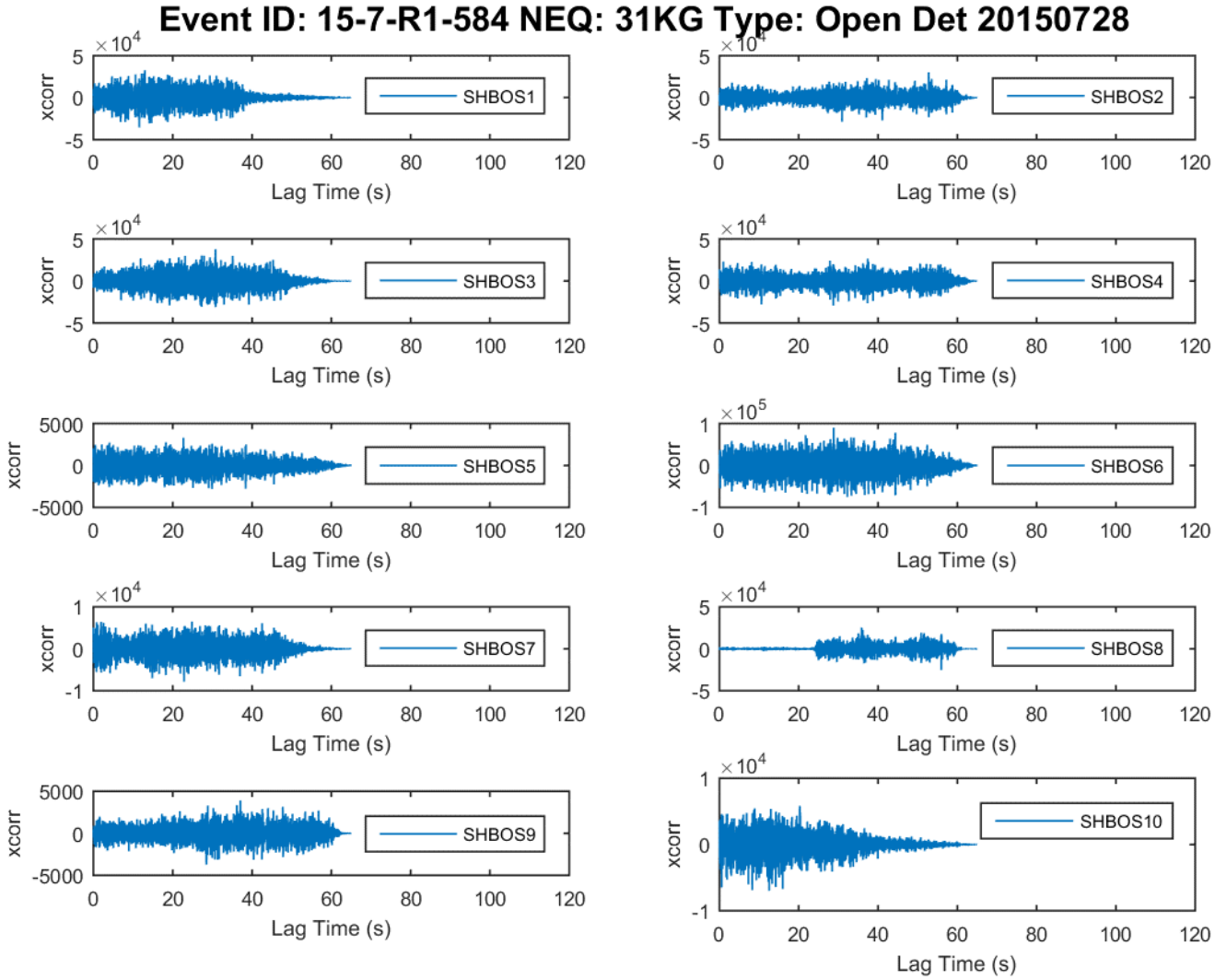


FIGURE 2.325: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-584

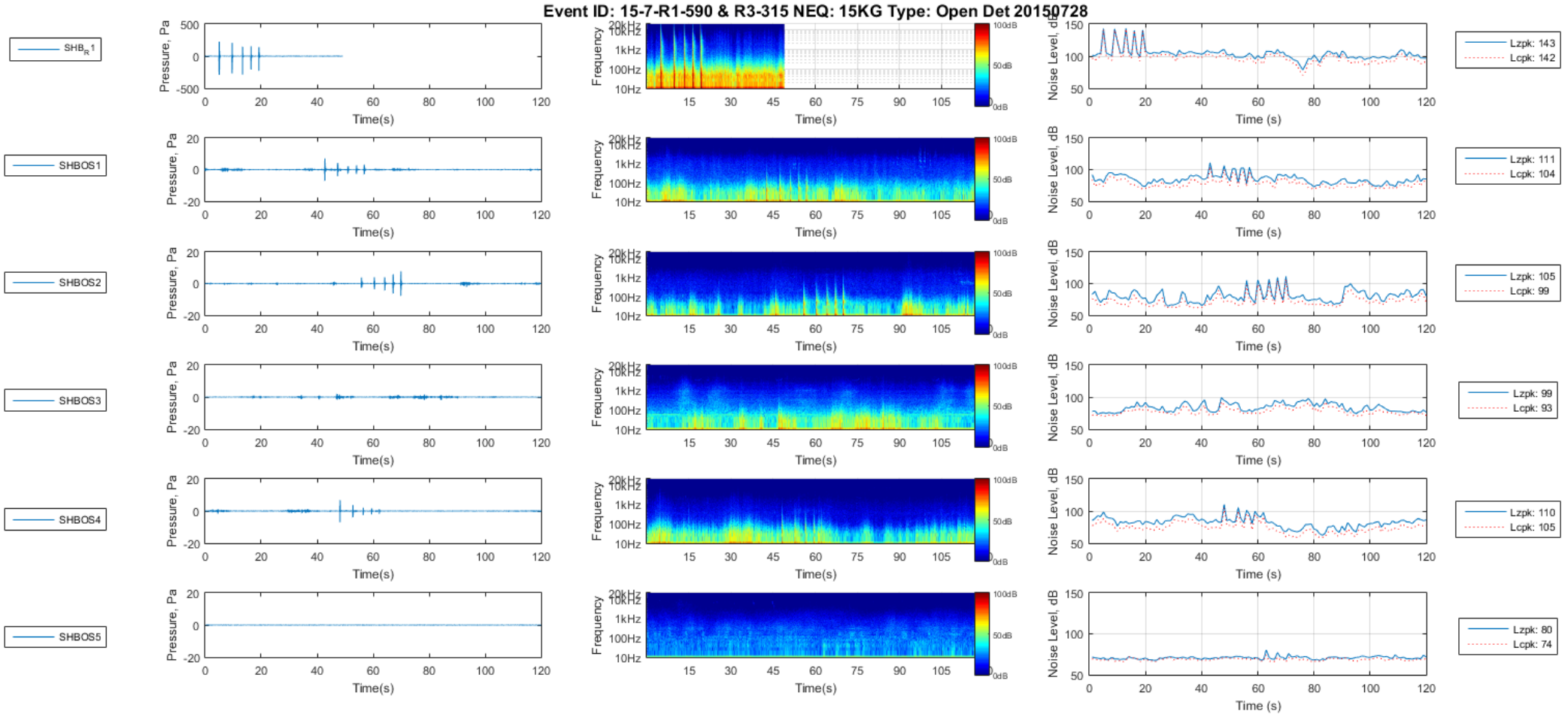


FIGURE 2.326: SHB_OS 1 - 5 15-7-R1-590 & R3-315

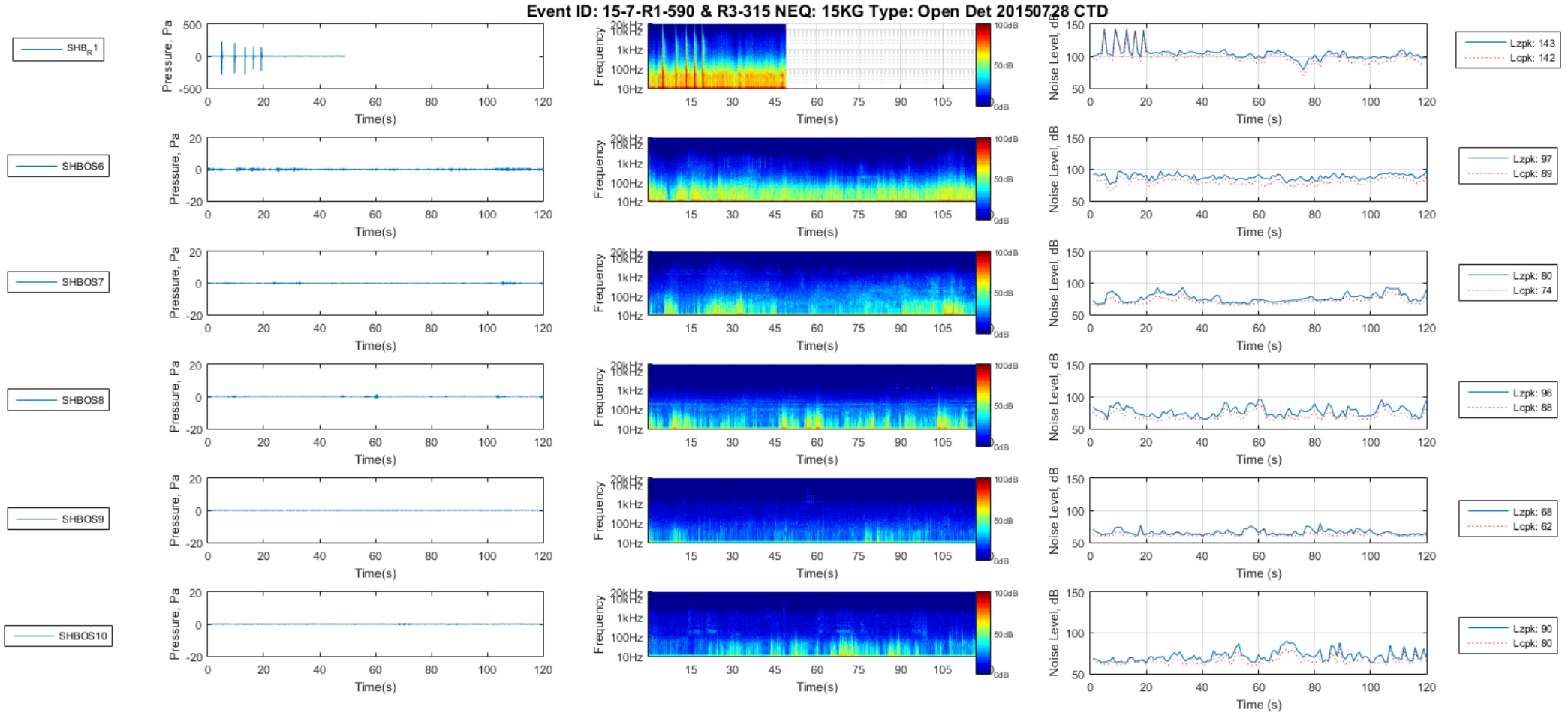


FIGURE 2.327: SHB_OS 6 - 10 15-7-R1-590 & R3-315

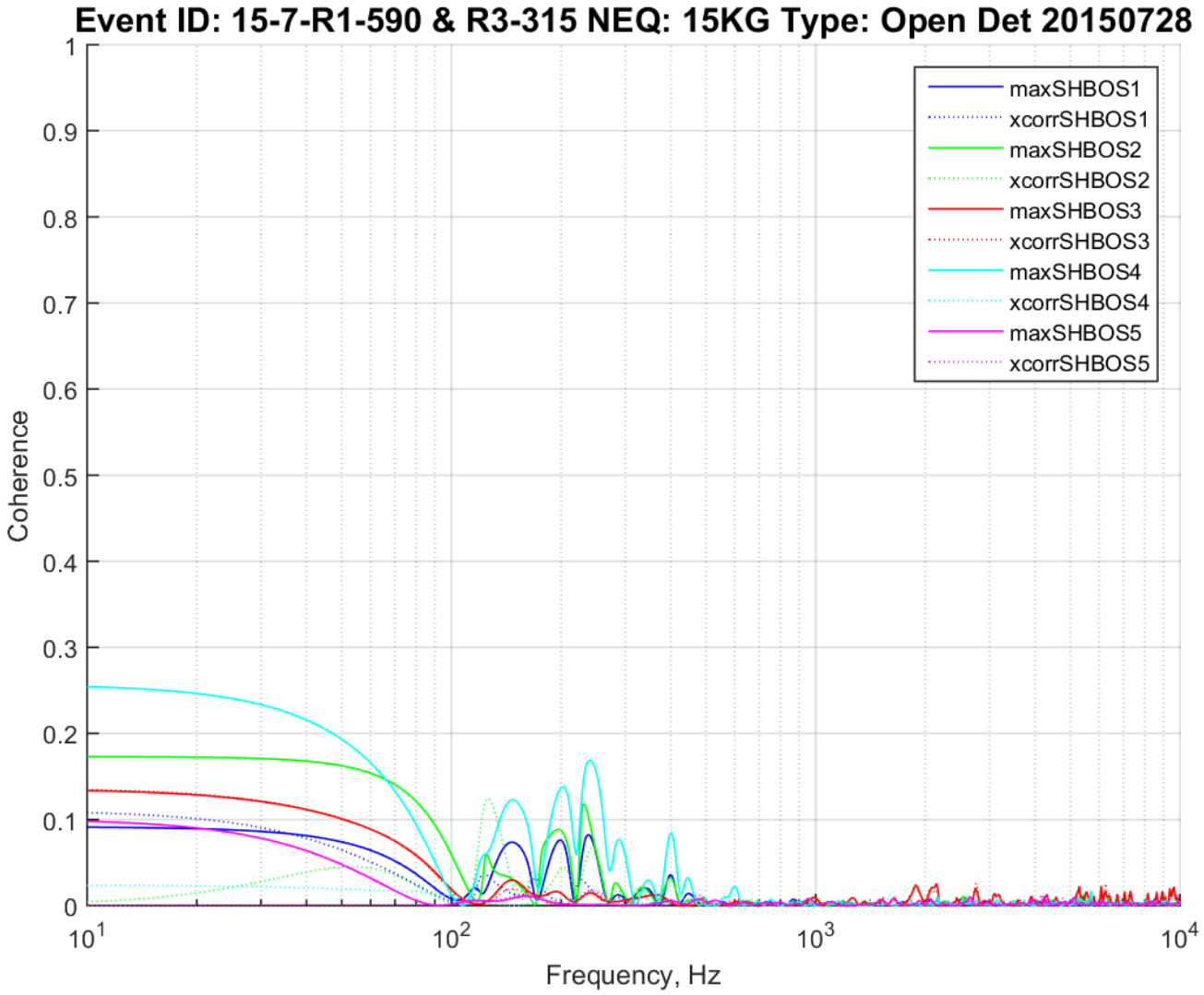


FIGURE 2.328: COHERENCE SHB_OS 1 - 5 15-7-R1-590 & R3-315

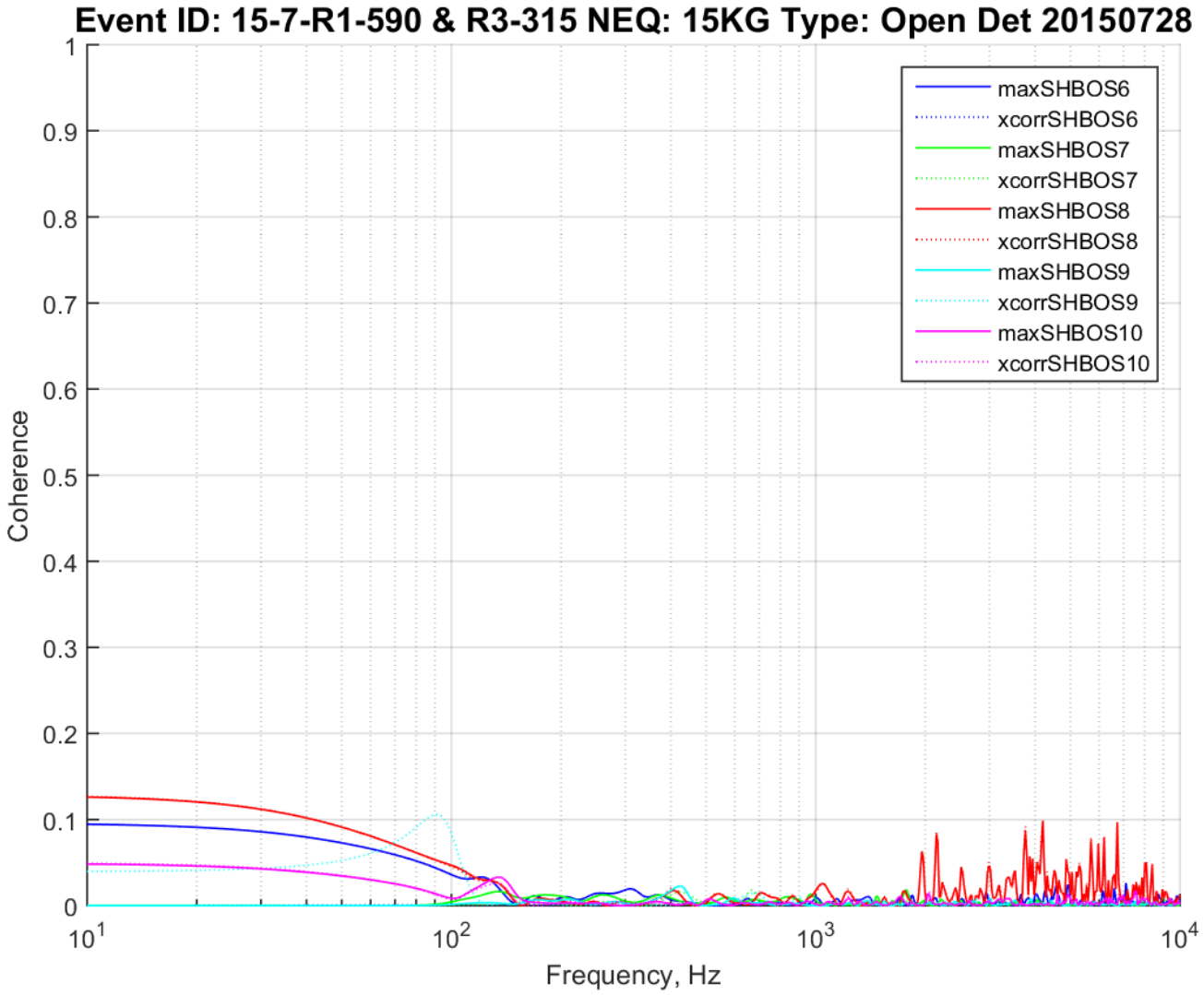


FIGURE 2.329: COHERENCE SHB_OS 6 - 10 15-7-R1-590 & R3-315CTD

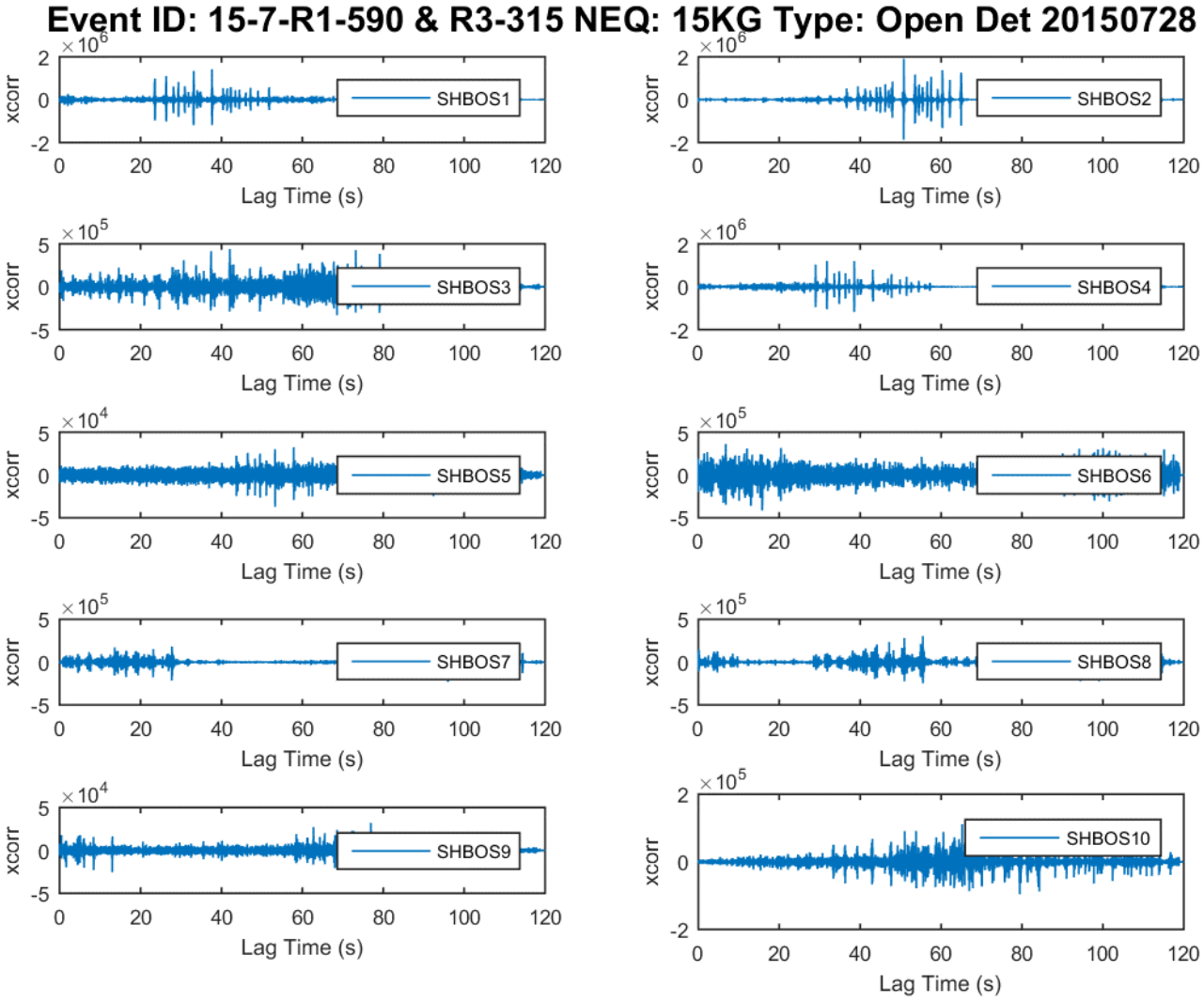
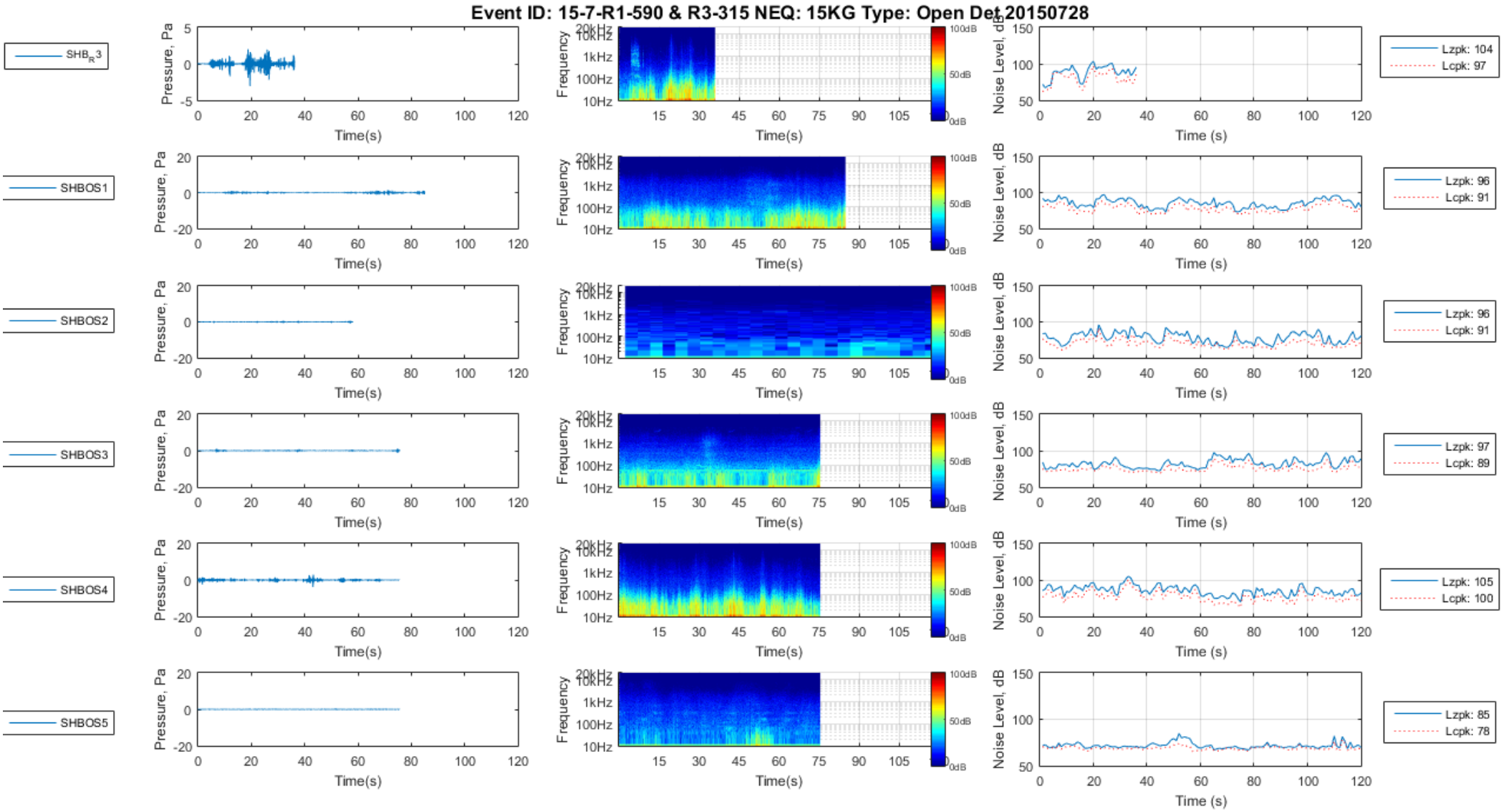
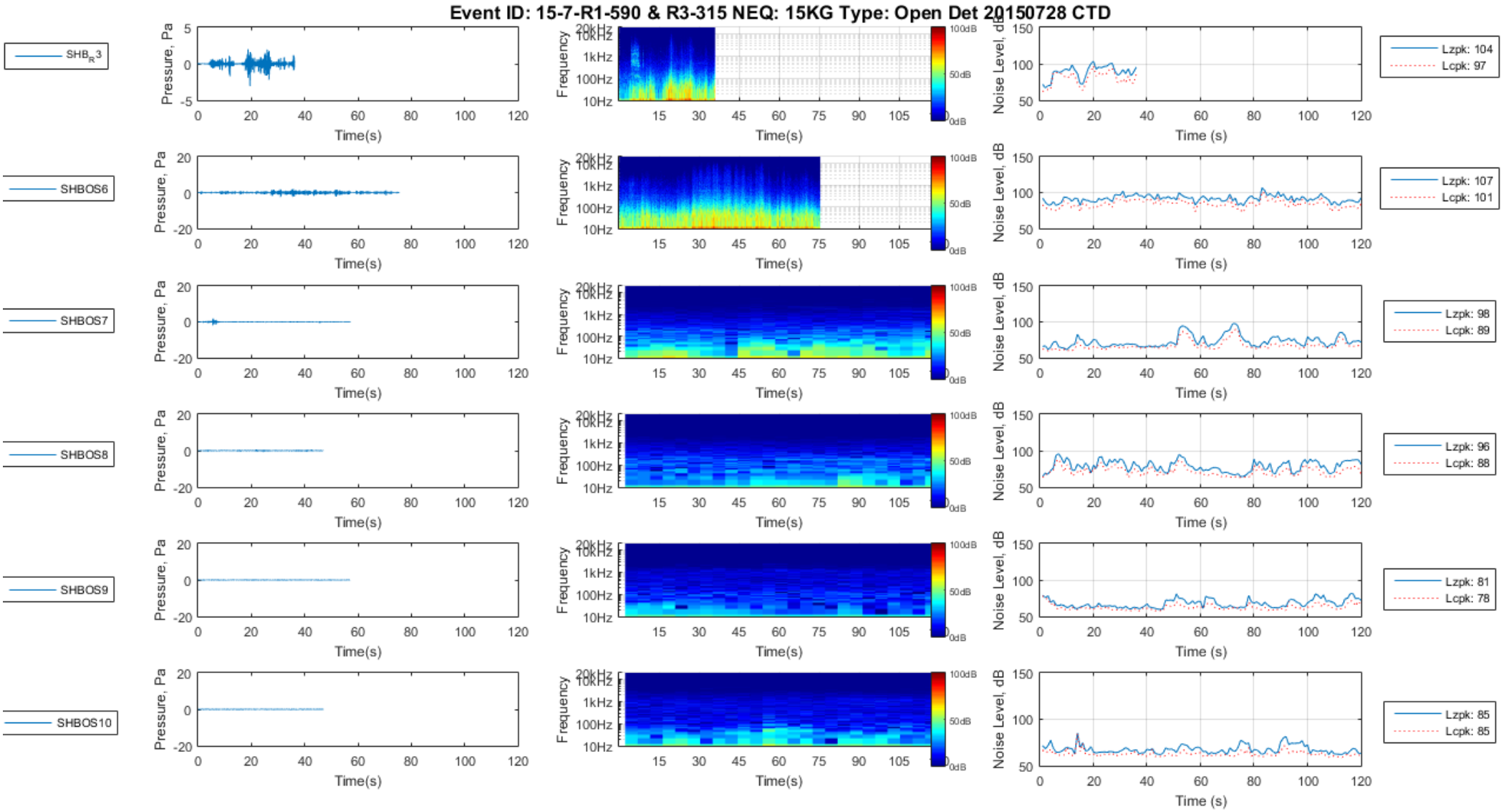


FIGURE 2.330: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-590 & R3-315


Event ID: 15-7-R1-590 & R3-315 NEQ: 15KG Type: Open Det 20150728
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 104
Lcpk: 97
Lzpk: 96
Lcpk: 91
Lzpk: 96
Lcpk: 91
Lzpk: 97
Lcpk: 89
Lzpk: 105
Lcpk: 100
Lzpk: 85
Lcpk: 78


Event ID: 15-7-R1-590 & R3-315 NEQ: 15KG Type: Open Det 20150728 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 104
Lcpk: 97
Lzpk: 107
Lcpk: 101
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Lcpk: 78
Lzpk: 85
Lcpk: 85

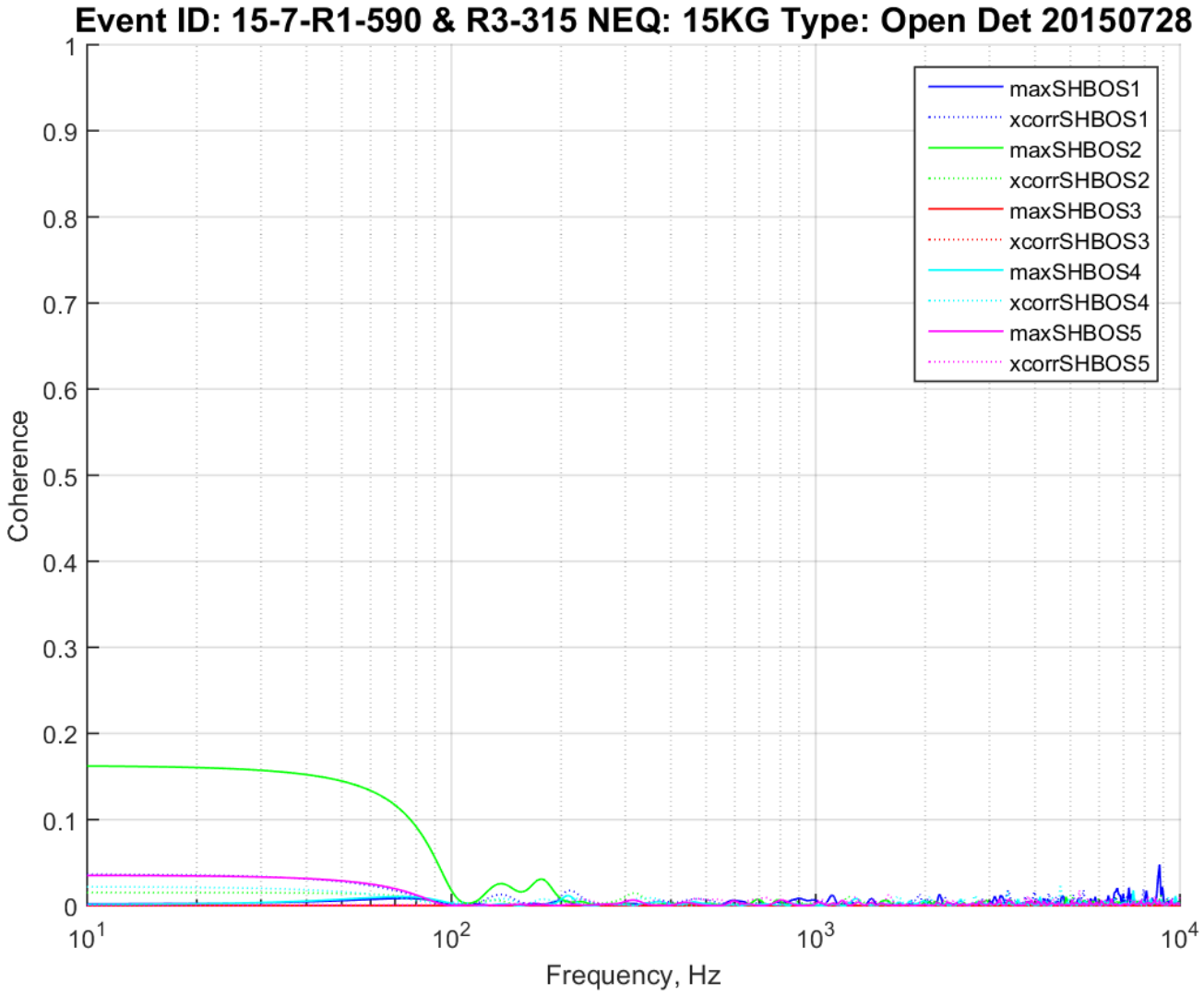


FIGURE 2.333: COHERENCE SHB_OS 1 - 5 15-7-R1-590 & R3-315

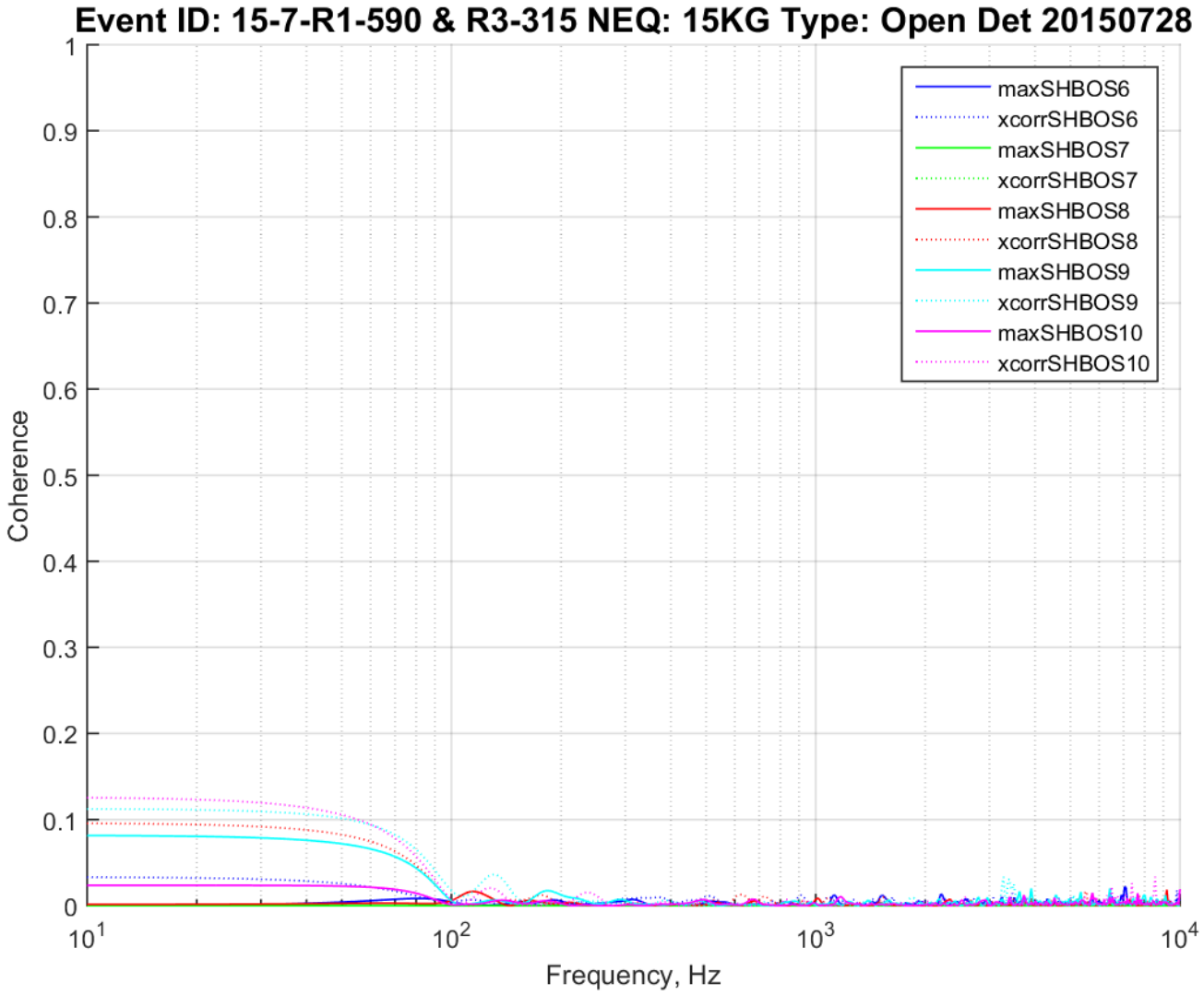


FIGURE 2.334: COHERENCE SHB_OS 6 - 10 15-7-R1-590 & R3-315CTD

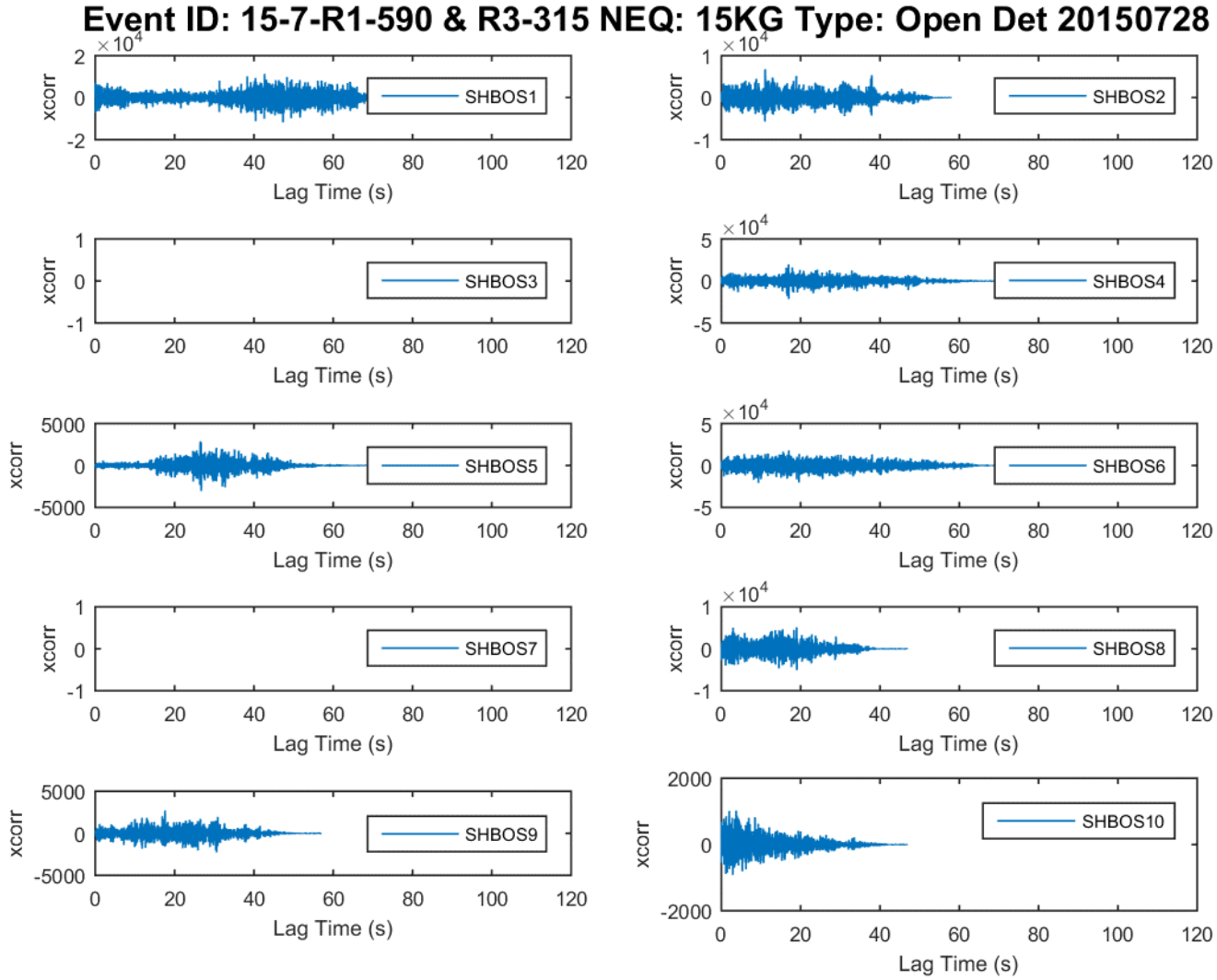


FIGURE 2.335: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-590 & R3-315

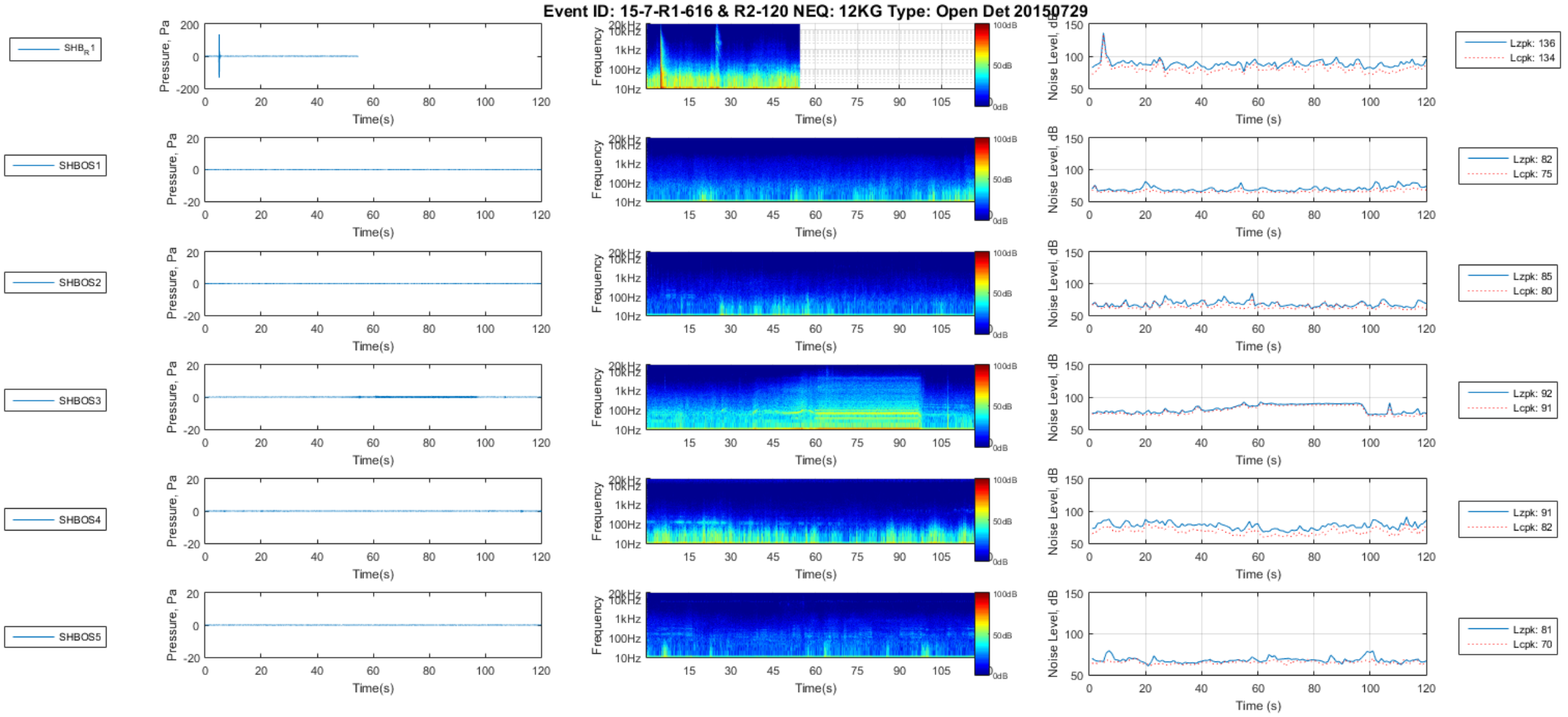


FIGURE 2.336: SHB_OS 1 - 5 15-7-R1-616 & R2-120

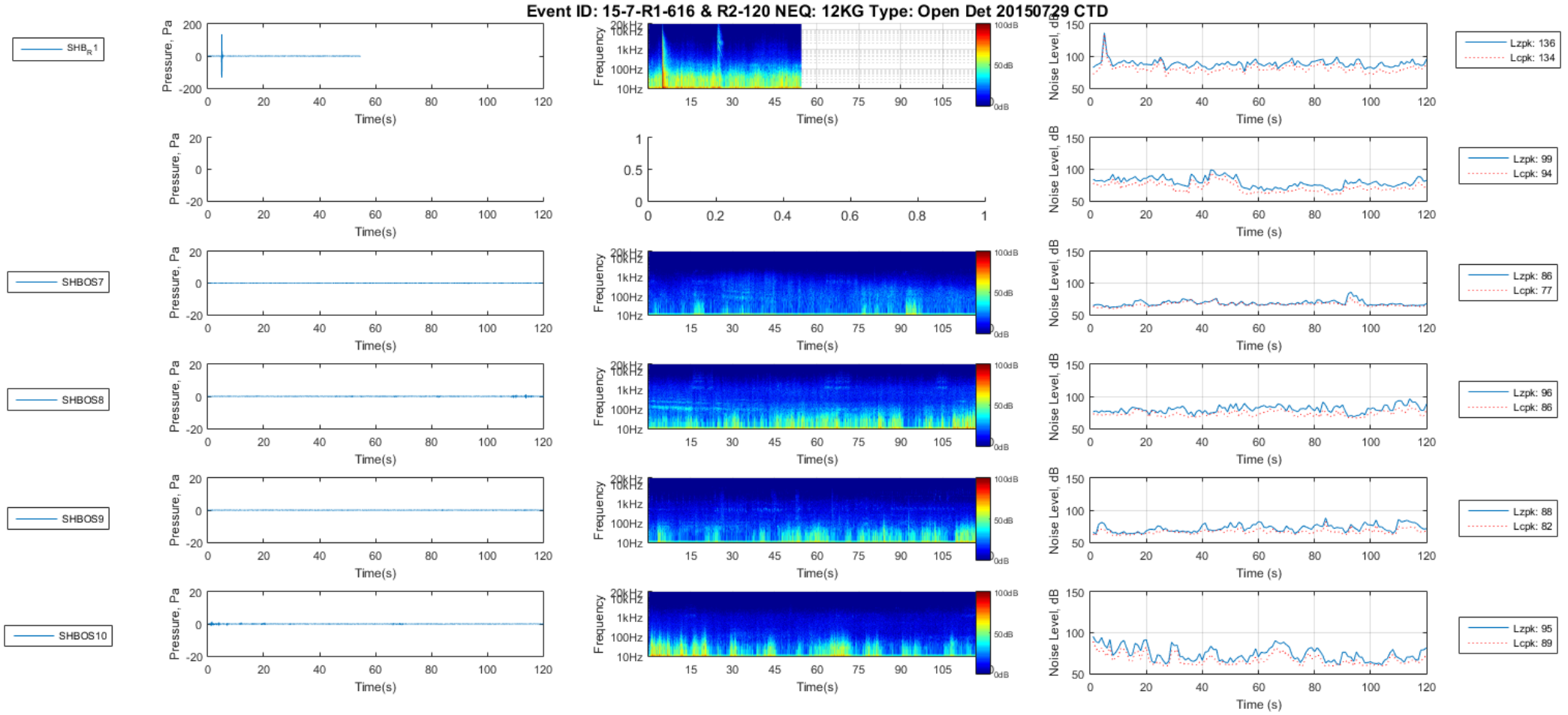


FIGURE 2.337: SHB_OS 6 - 10 15-7-R1-616 & R2-120

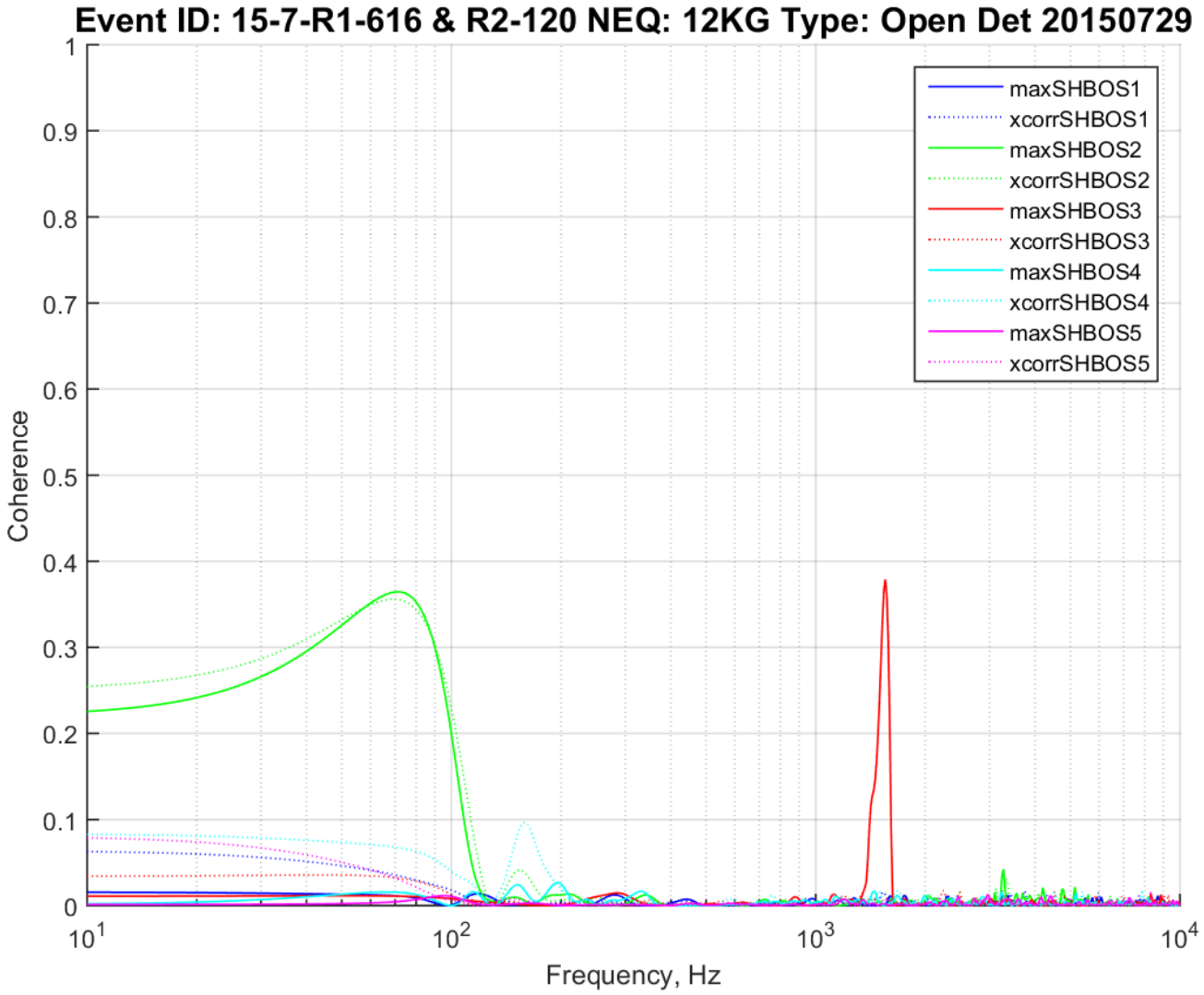


FIGURE 2.338: COHERENCE SHB_OS 1 - 5 15-7-R1-616 & R2-120

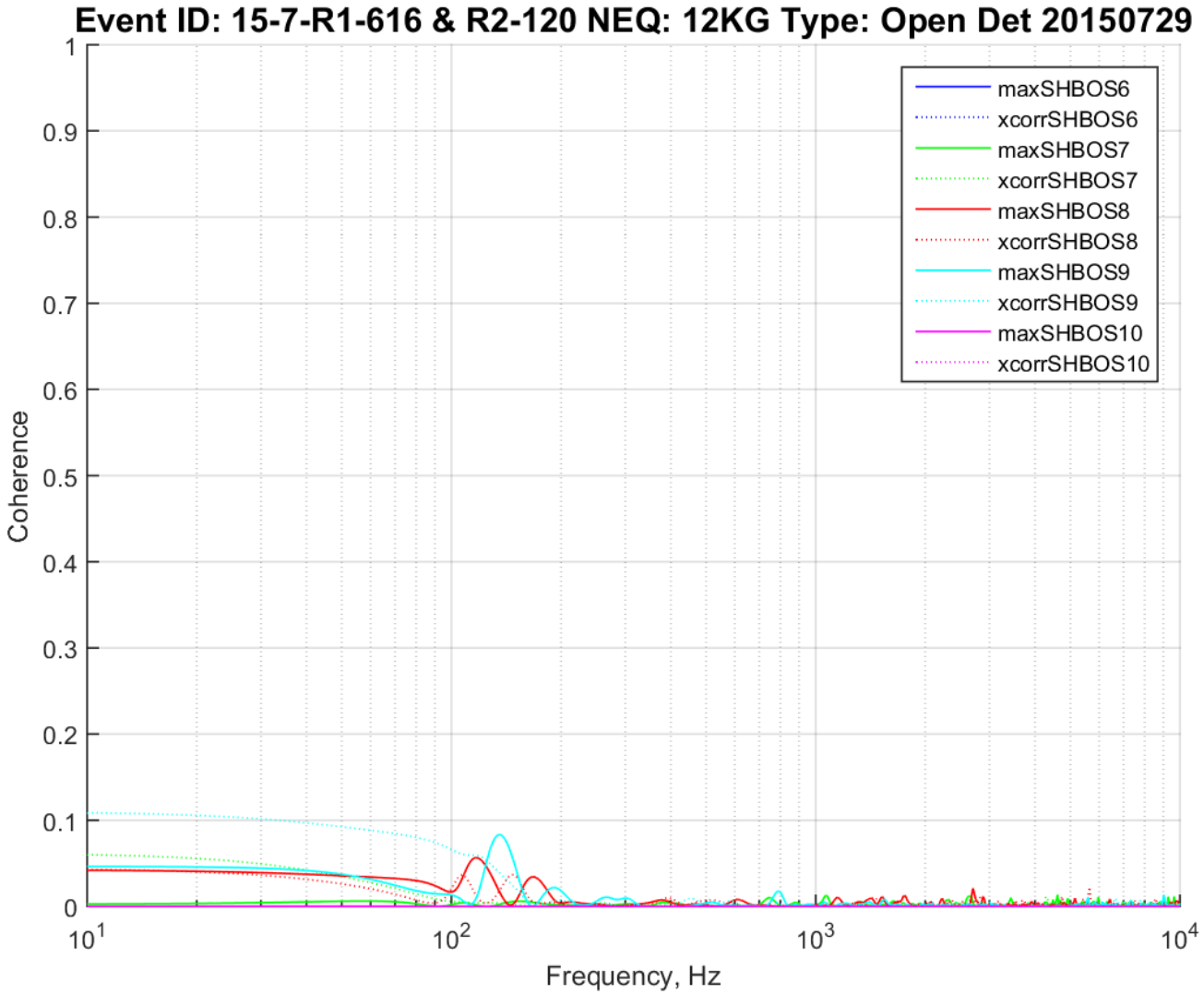


FIGURE 2.339: COHERENCE SHB_OS 6 - 10 15-7-R1-616 & R2-120CTD

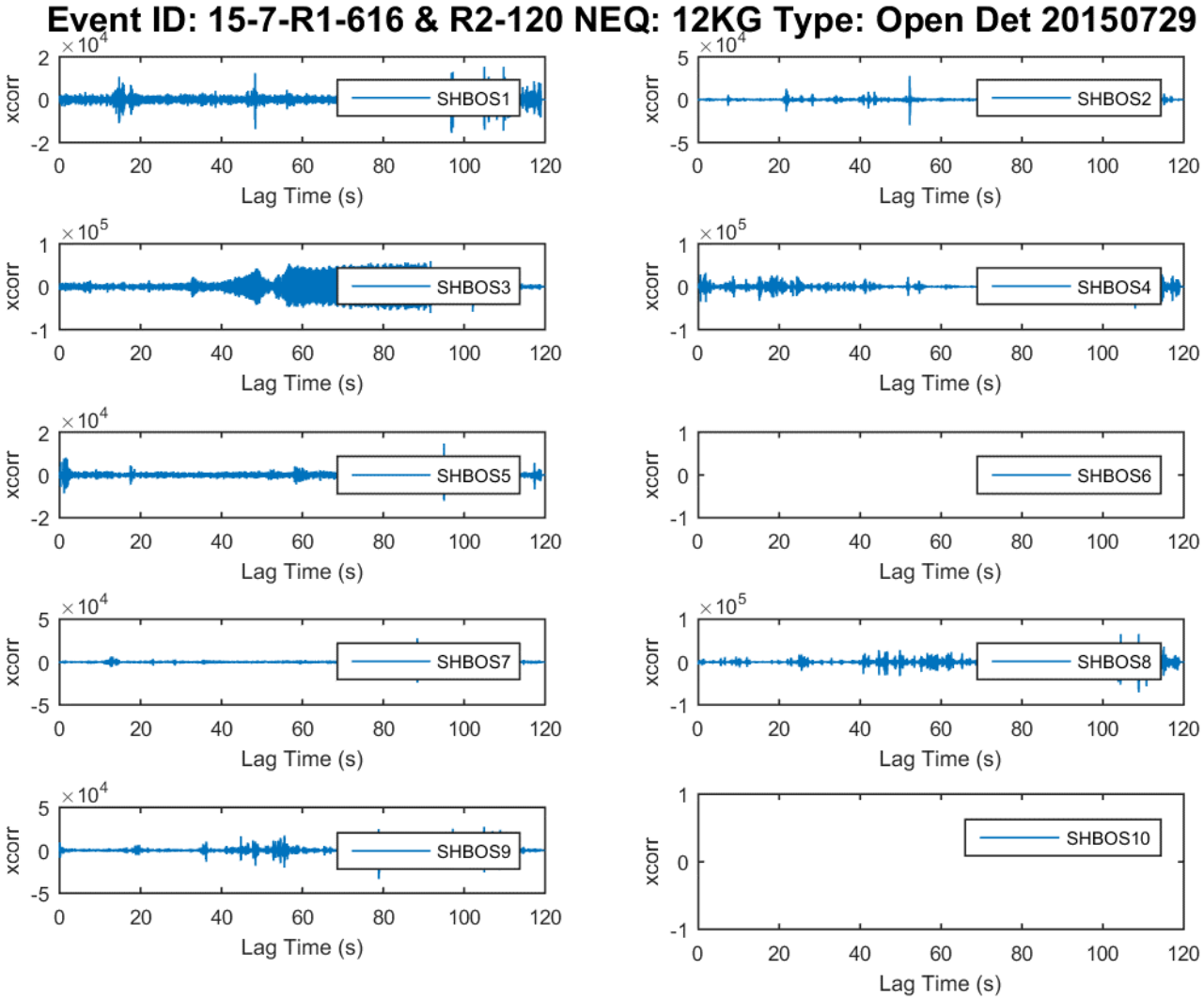


FIGURE 2.340: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-616 & R2-120

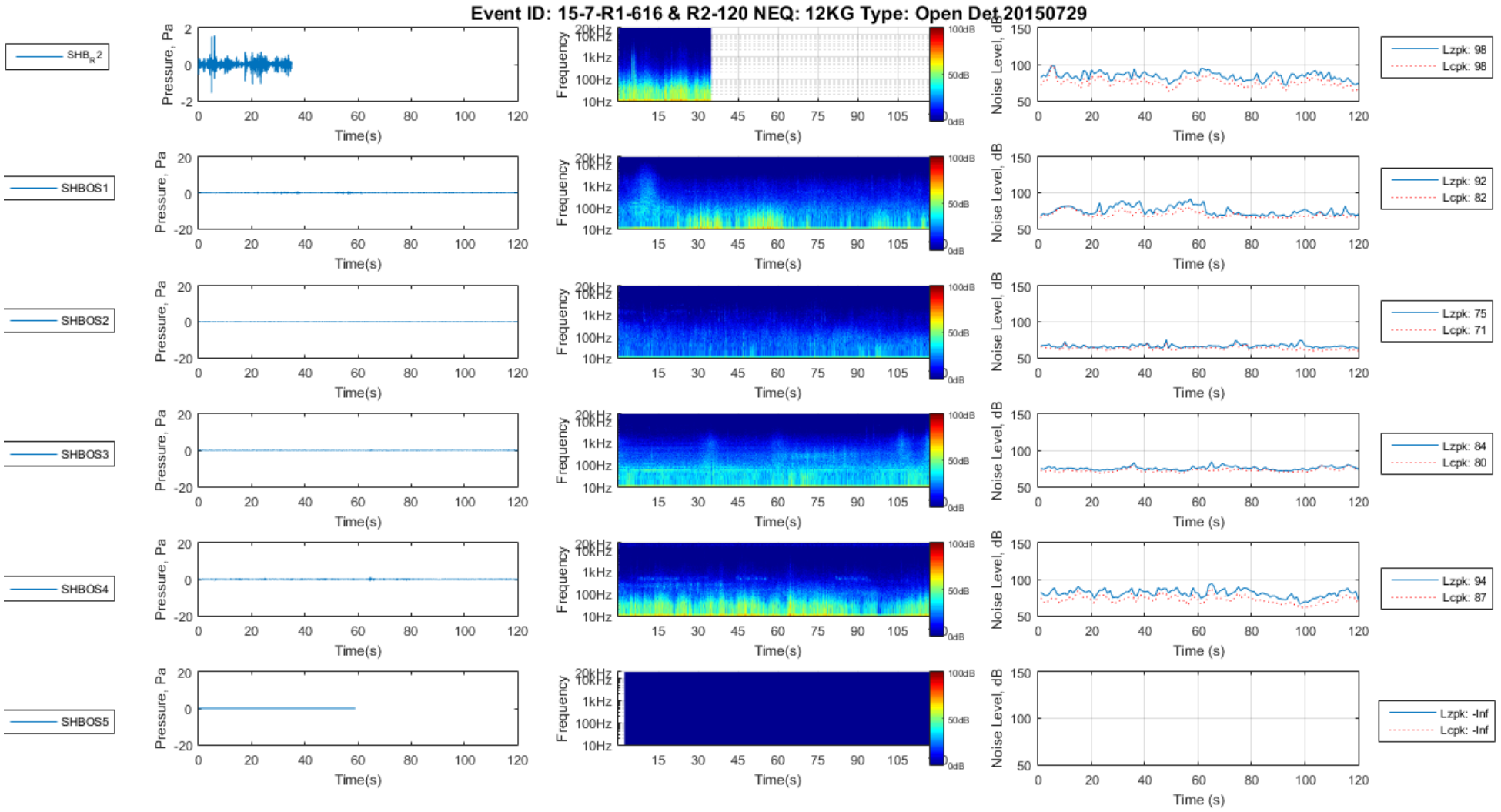


FIGURE 2.341: SHB_OS 1 - 5 15-7-R1-616 & R2-120

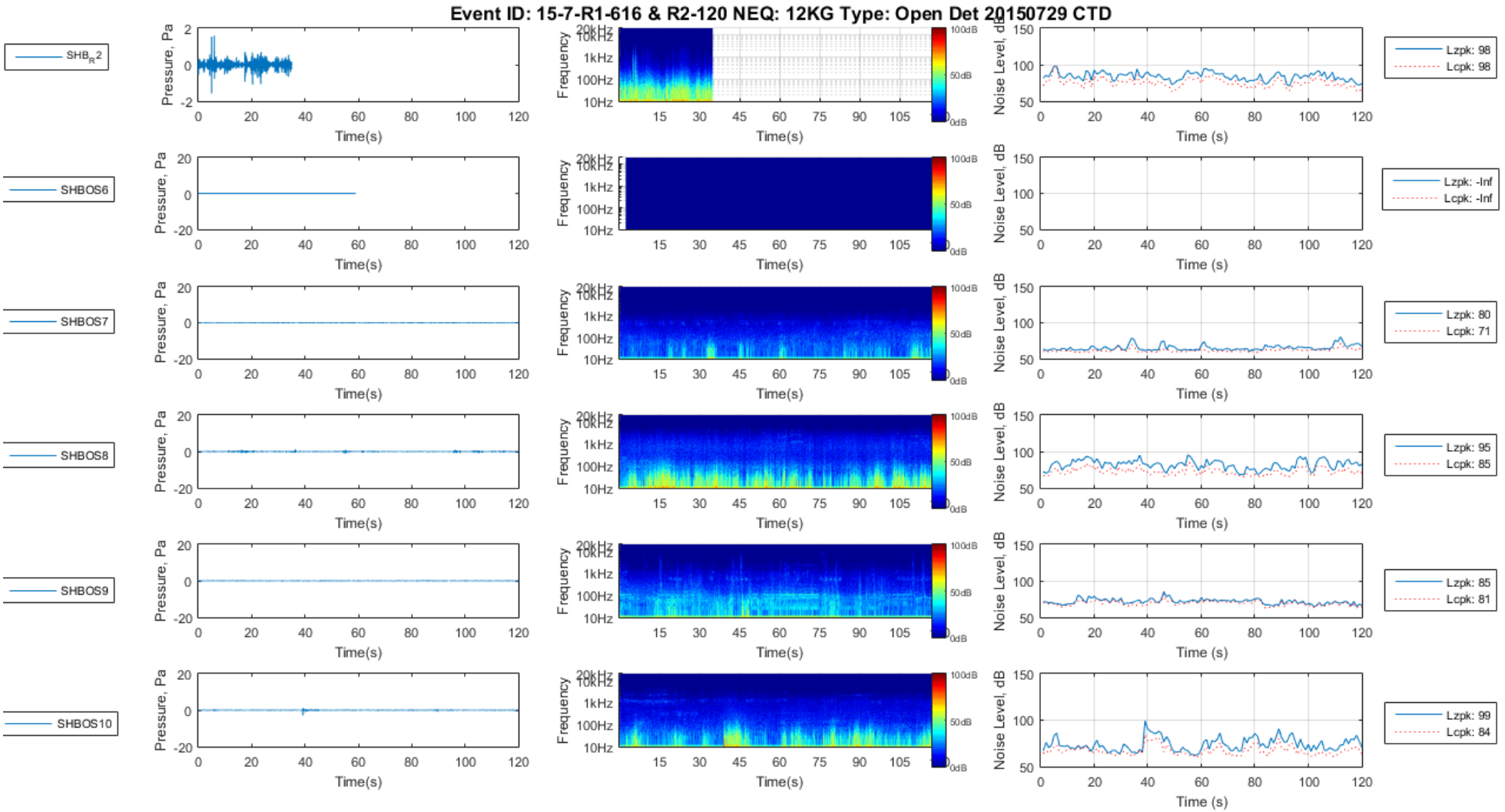


FIGURE 2.342: SHB_OS 6 - 10 15-7-R1-616 & R2-120

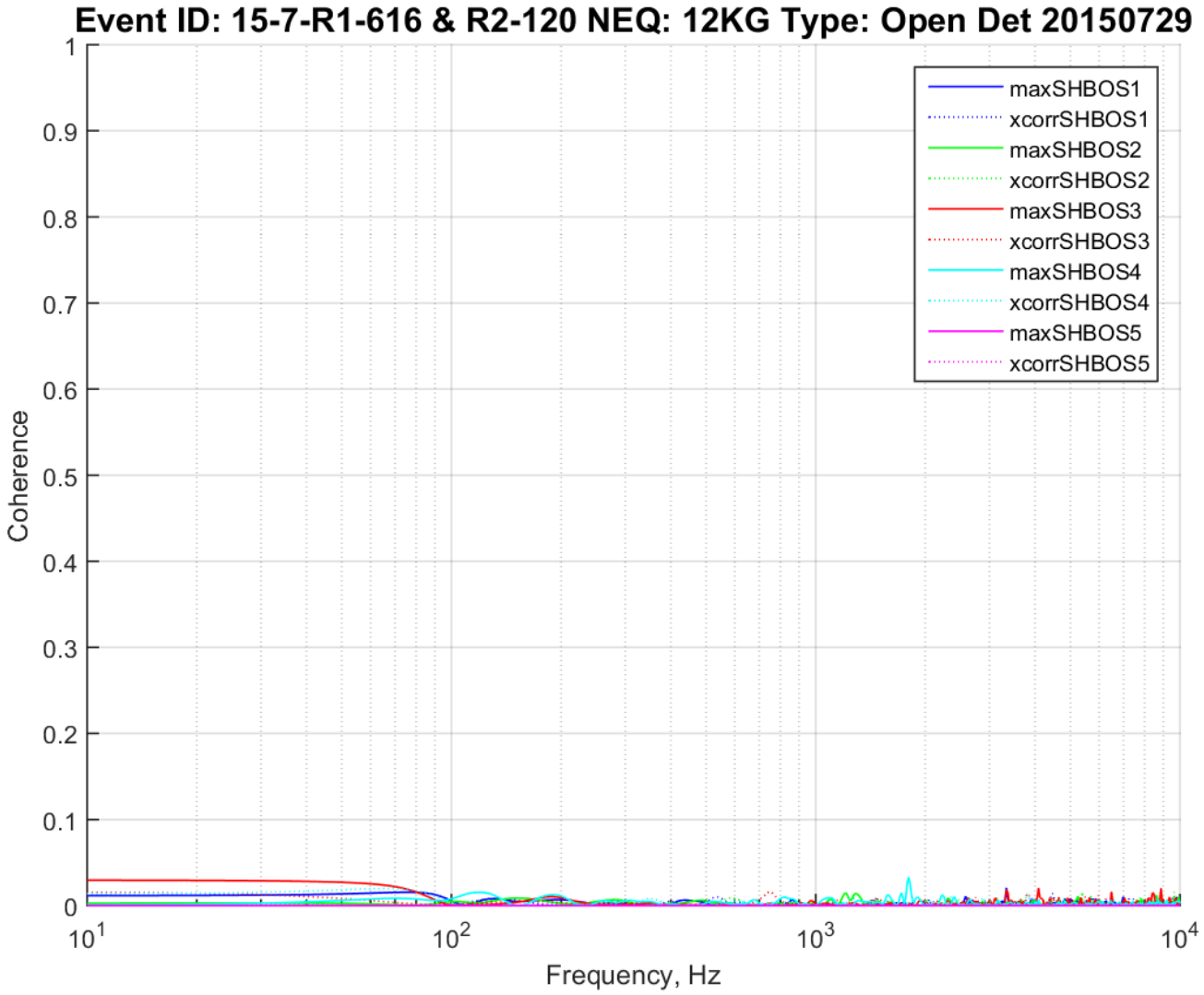


FIGURE 2.343: COHERENCE SHB_OS 1 - 5 15-7-R1-616 & R2-120

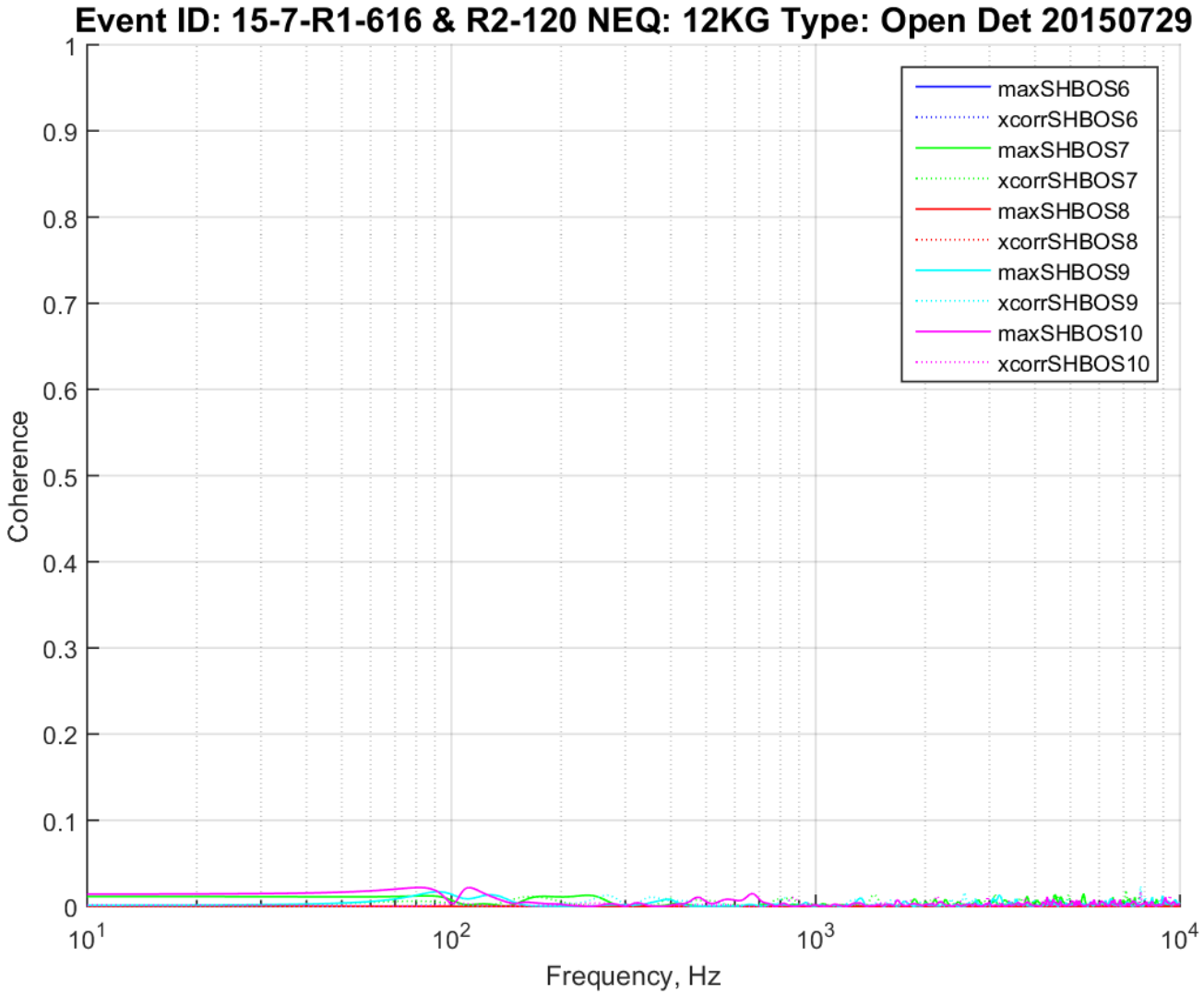


FIGURE 2.344: COHERENCE SHB_OS 6 - 10 15-7-R1-616 & R2-120CTD

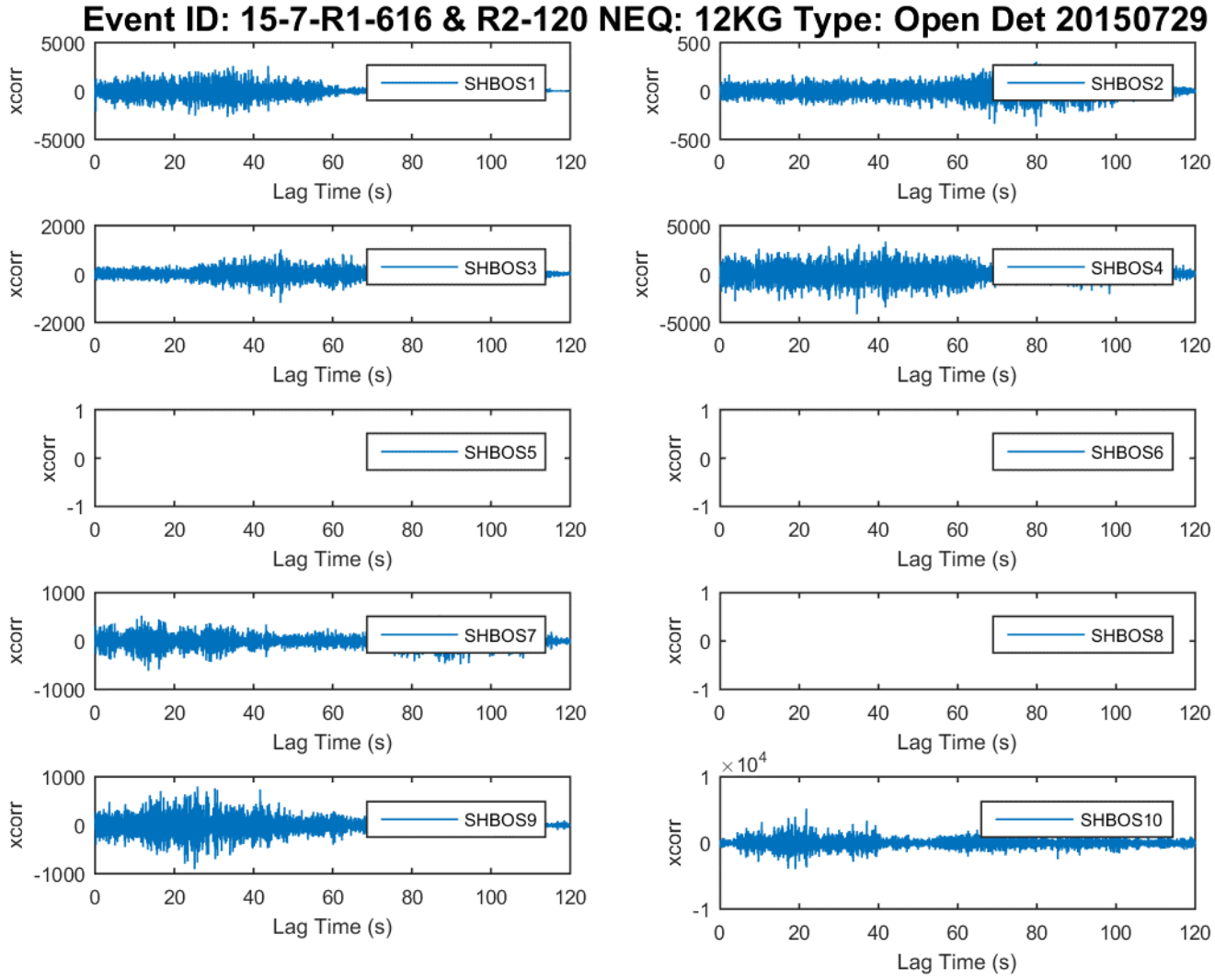


FIGURE 2.345: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-616 & R2-120

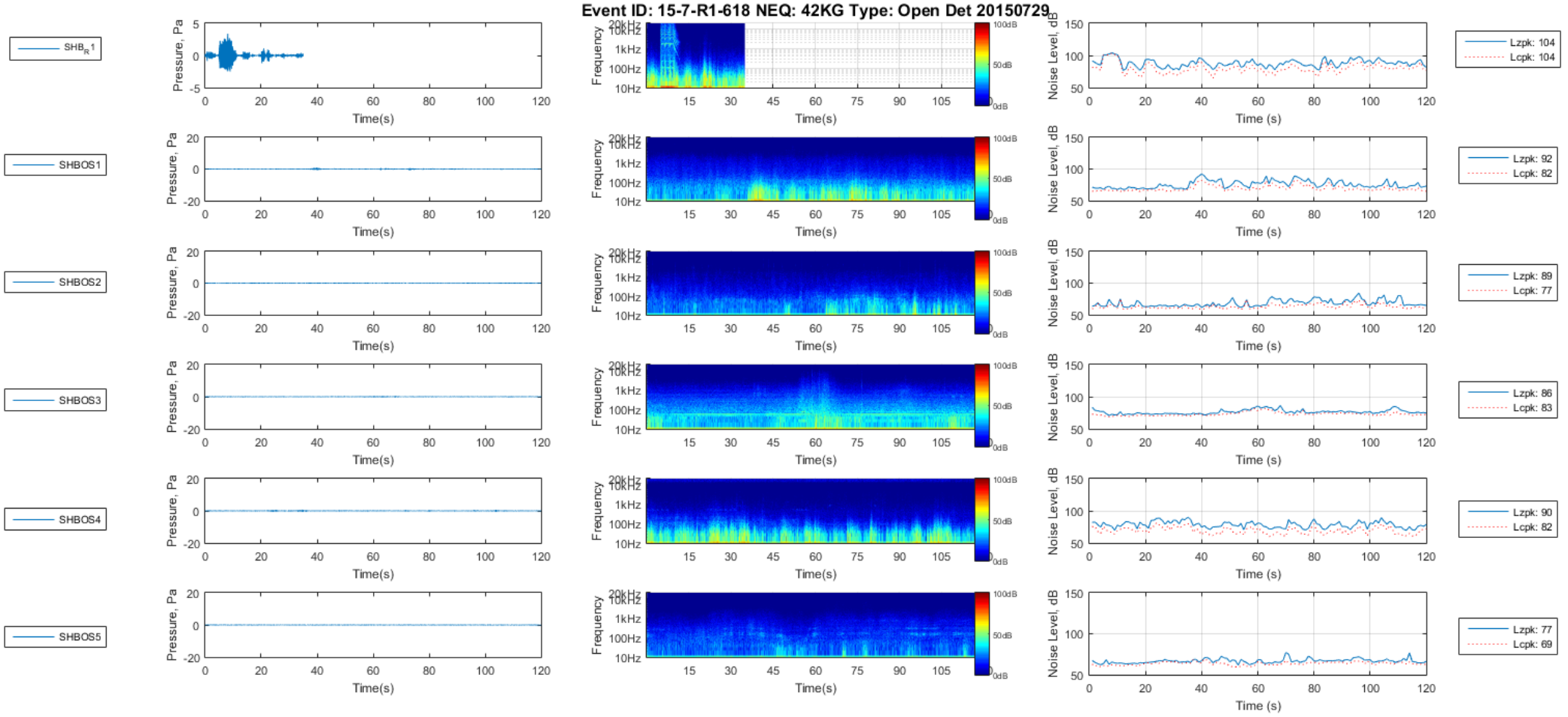


FIGURE 2.346: SHB_OS 1 - 5 15-7-R1-618

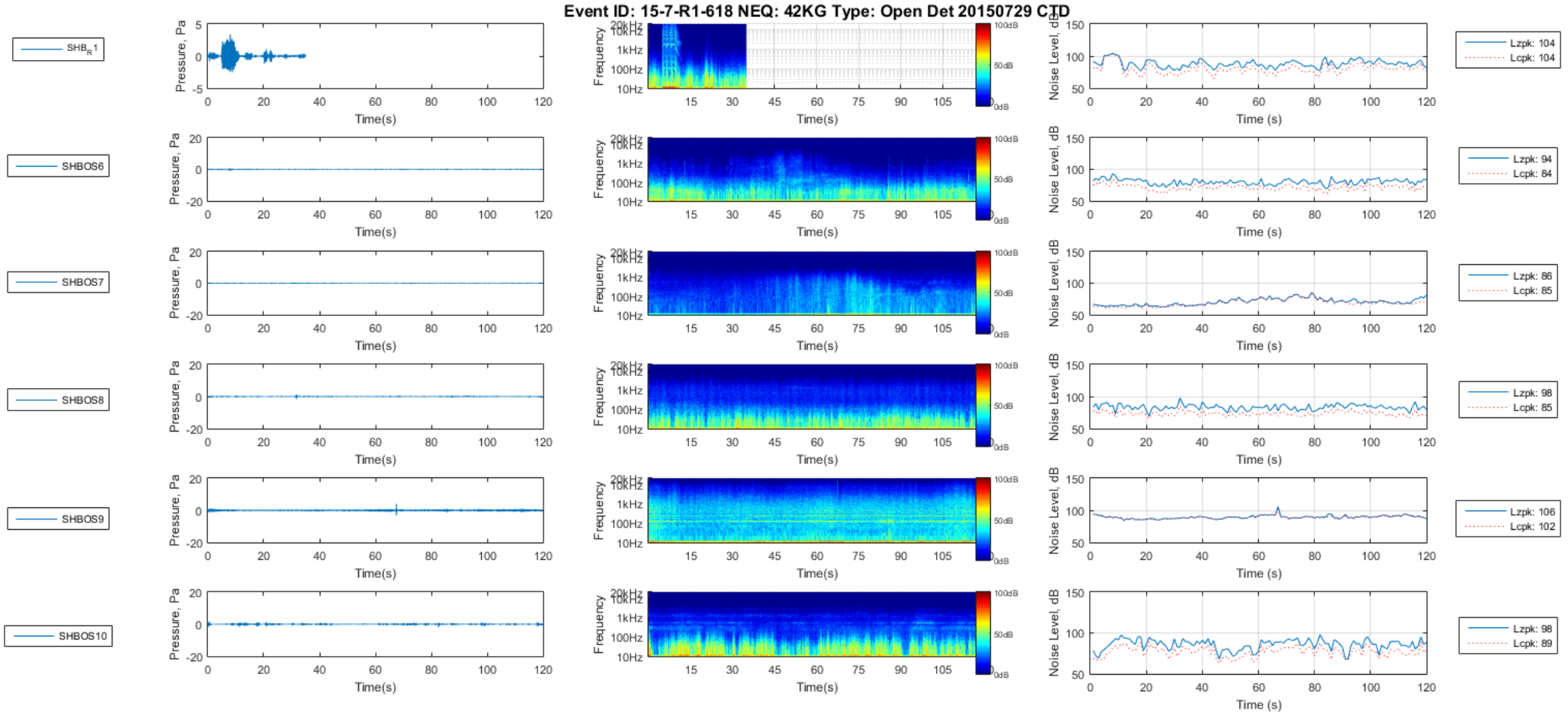


FIGURE 2.347: SHB_OS 6 - 10 15-7-R1-618

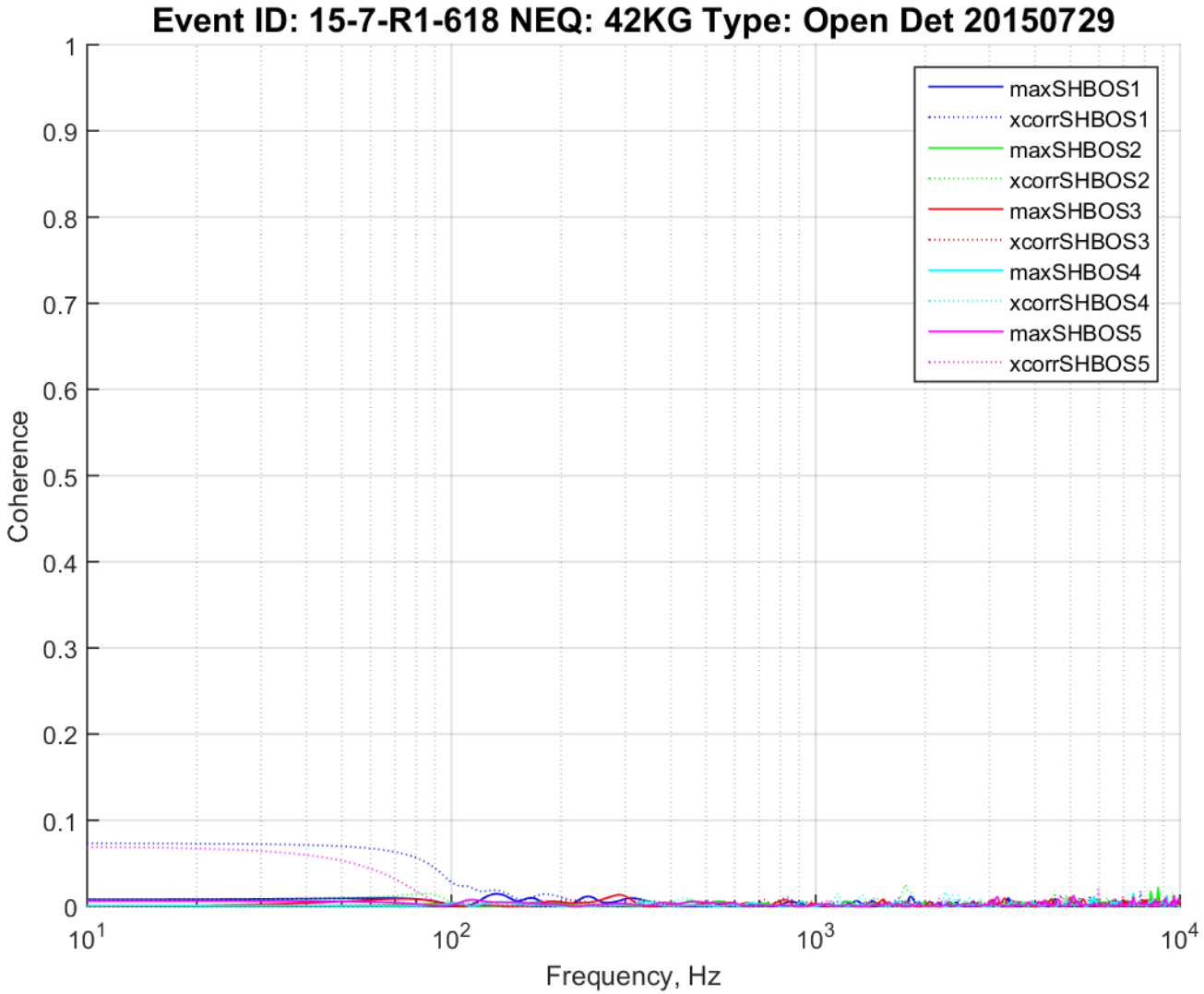


FIGURE 2.348: COHERENCE SHB_OS 1 - 5 15-7-R1-618

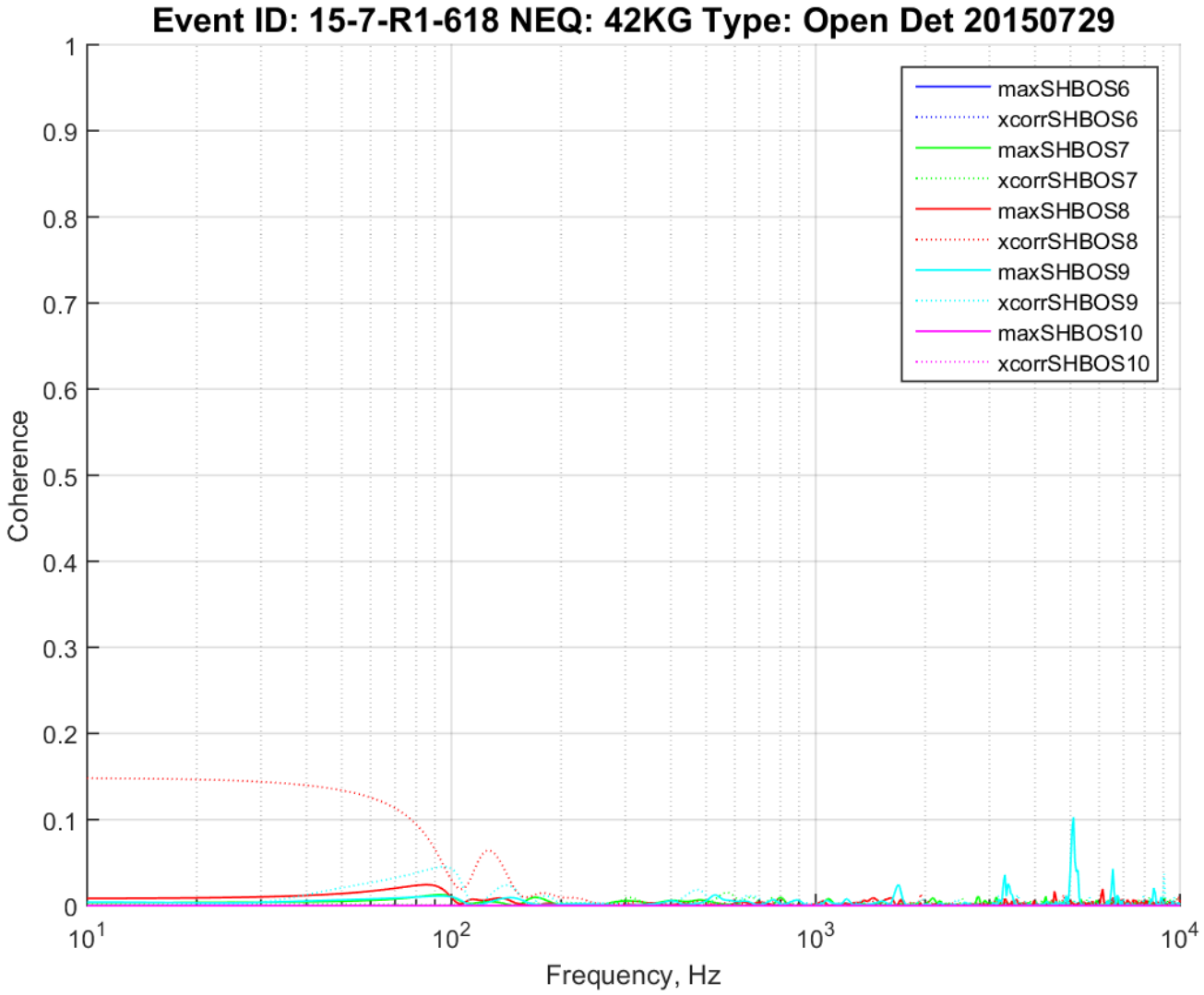


FIGURE 2.349: COHERENCE SHB_OS 6 - 10 15-7-R1-618CTD

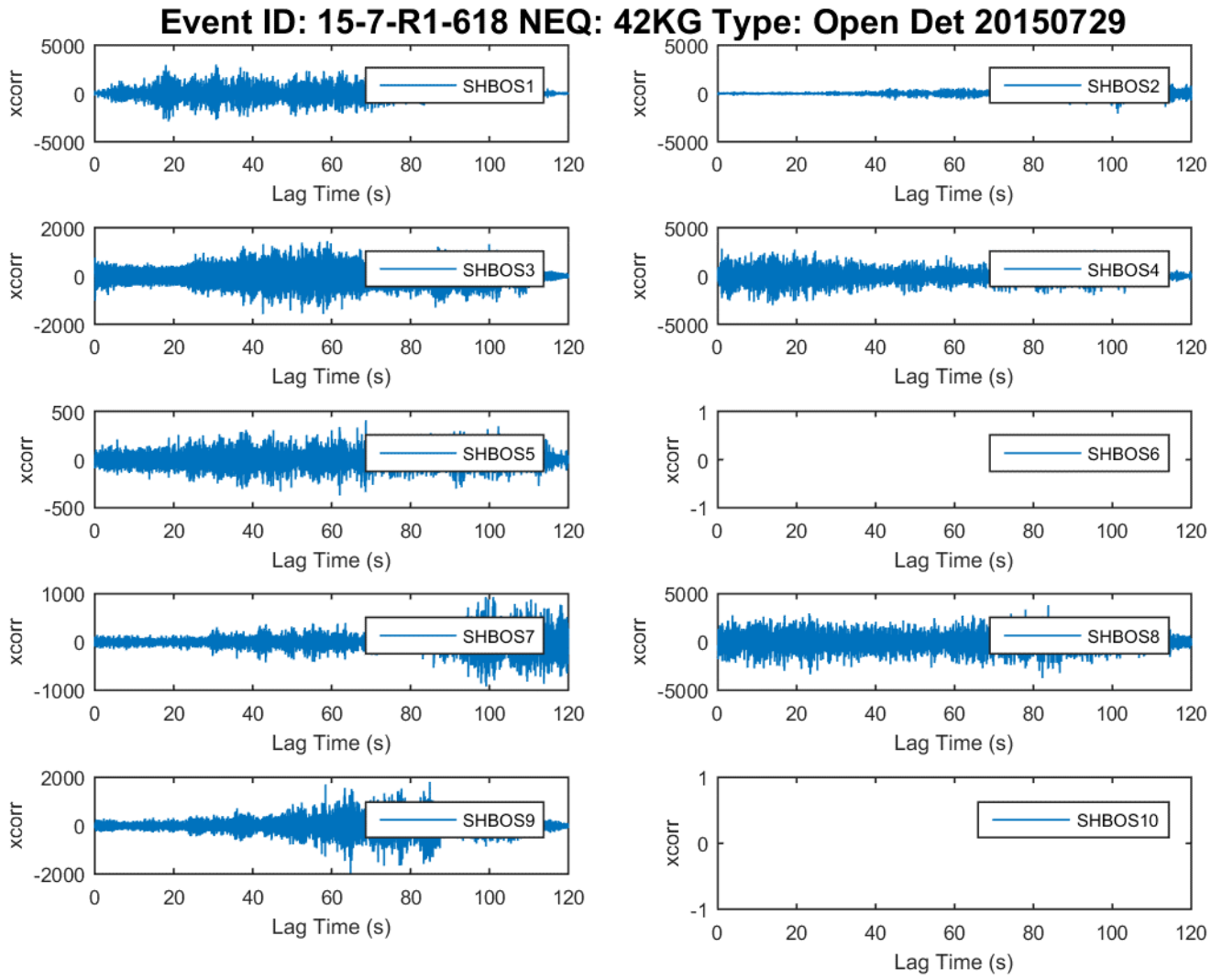


FIGURE 2.350: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-618

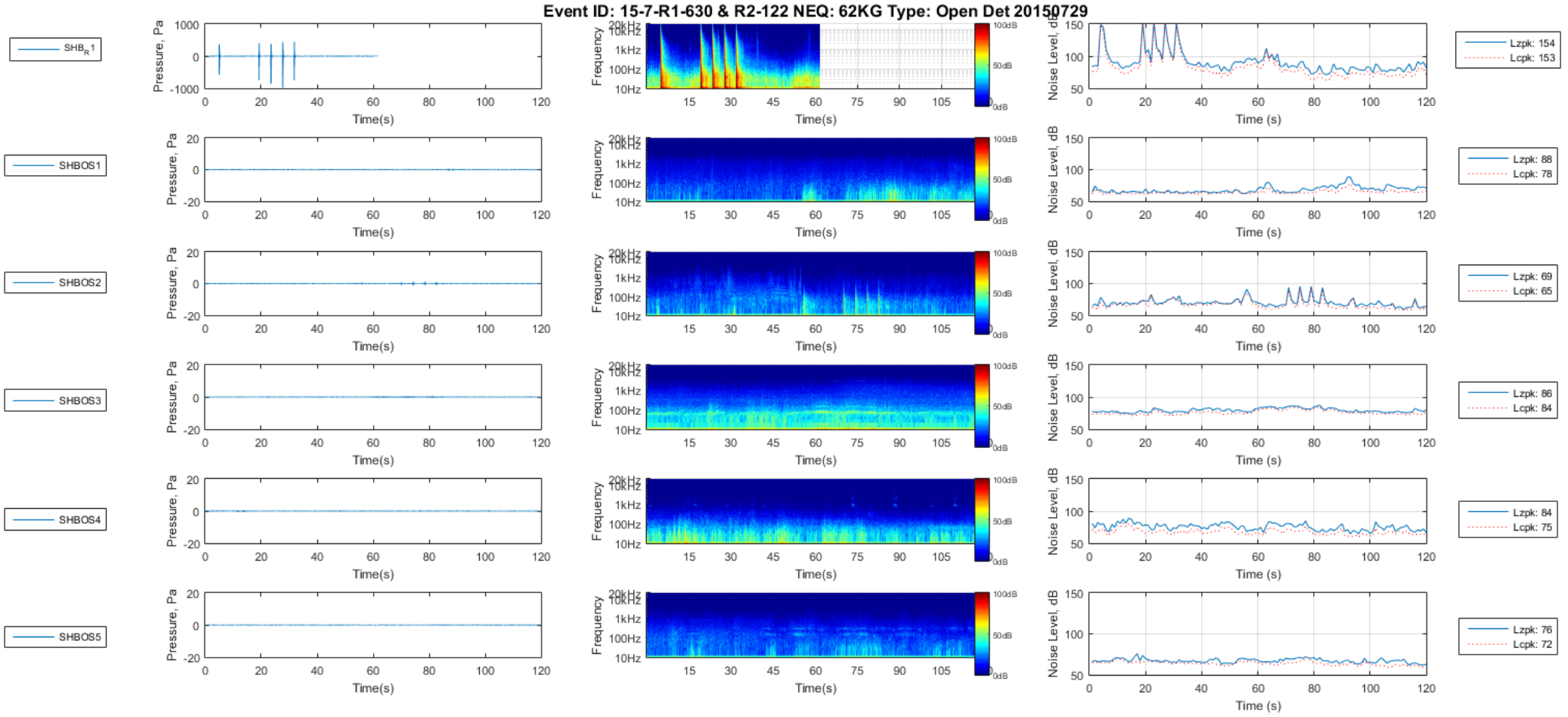


FIGURE 2.351: SHB_OS 1 - 5 15-7-R1-630 & R2-122

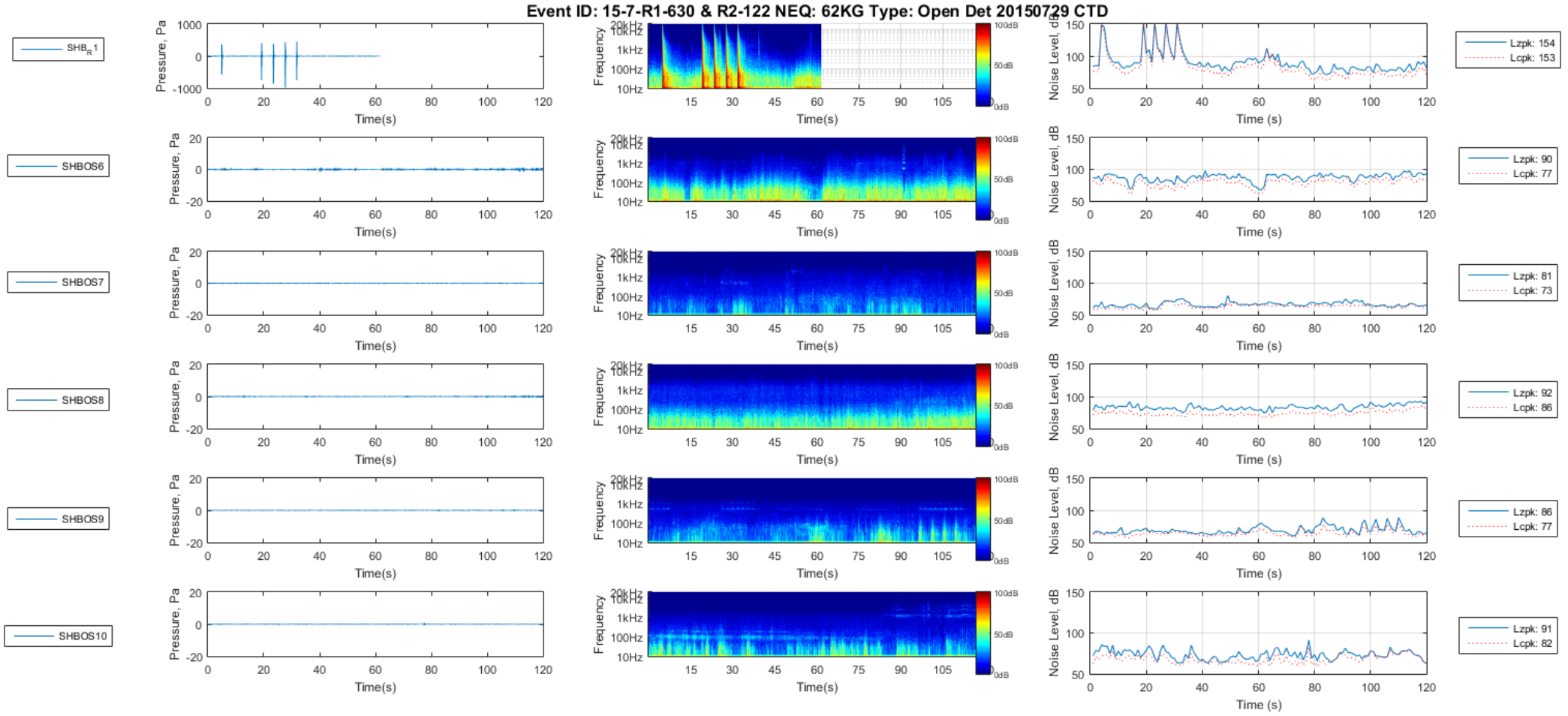


FIGURE 2.352: SHB_OS 6 - 10 15-7-R1-630 & R2-122

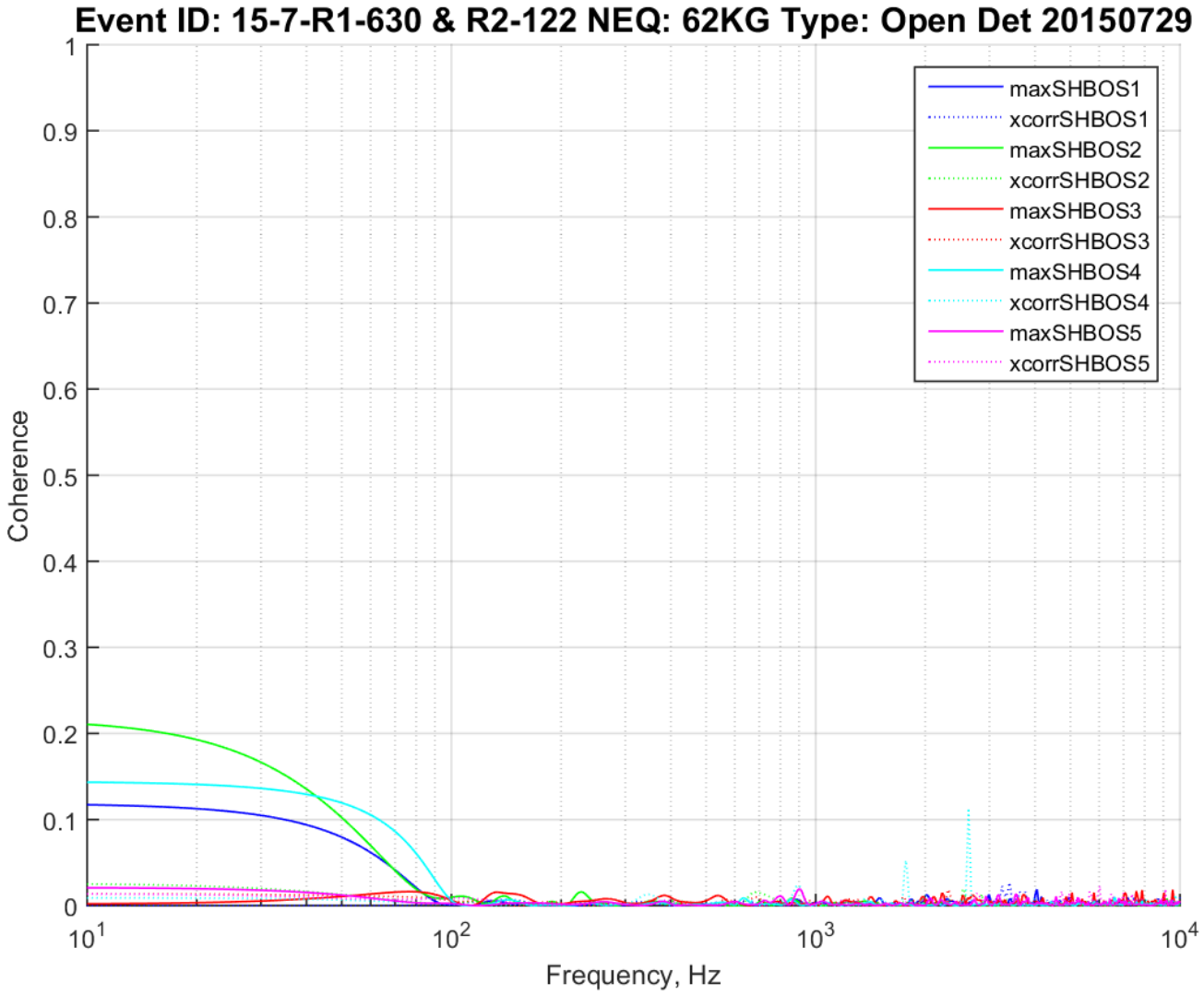


FIGURE 2.353: COHERENCE SHB_OS 1 - 5 15-7-R1-630 & R2-122

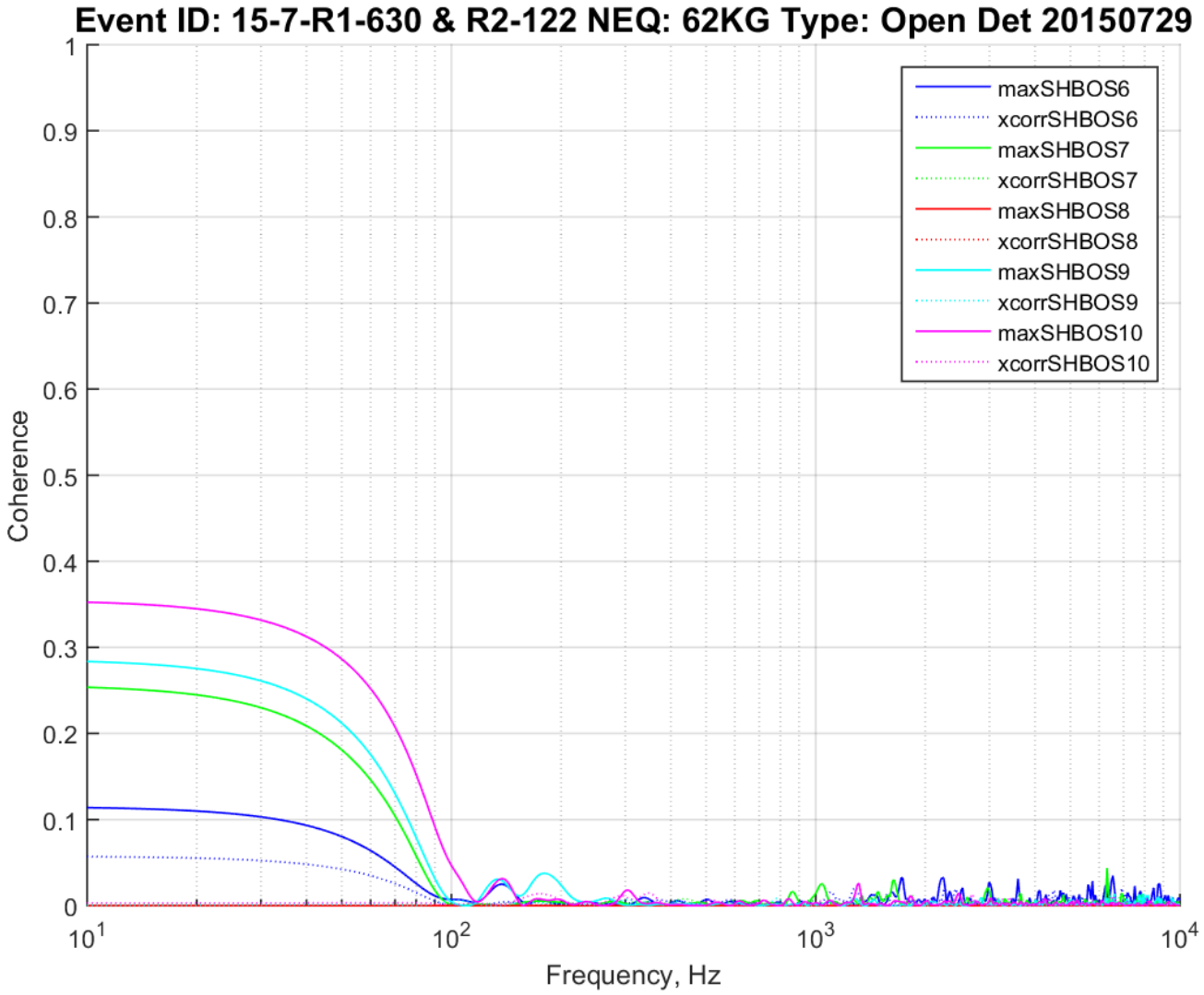


FIGURE 2.354: COHERENCE SHB_OS 6 - 10 15-7-R1-630 & R2-122CTD

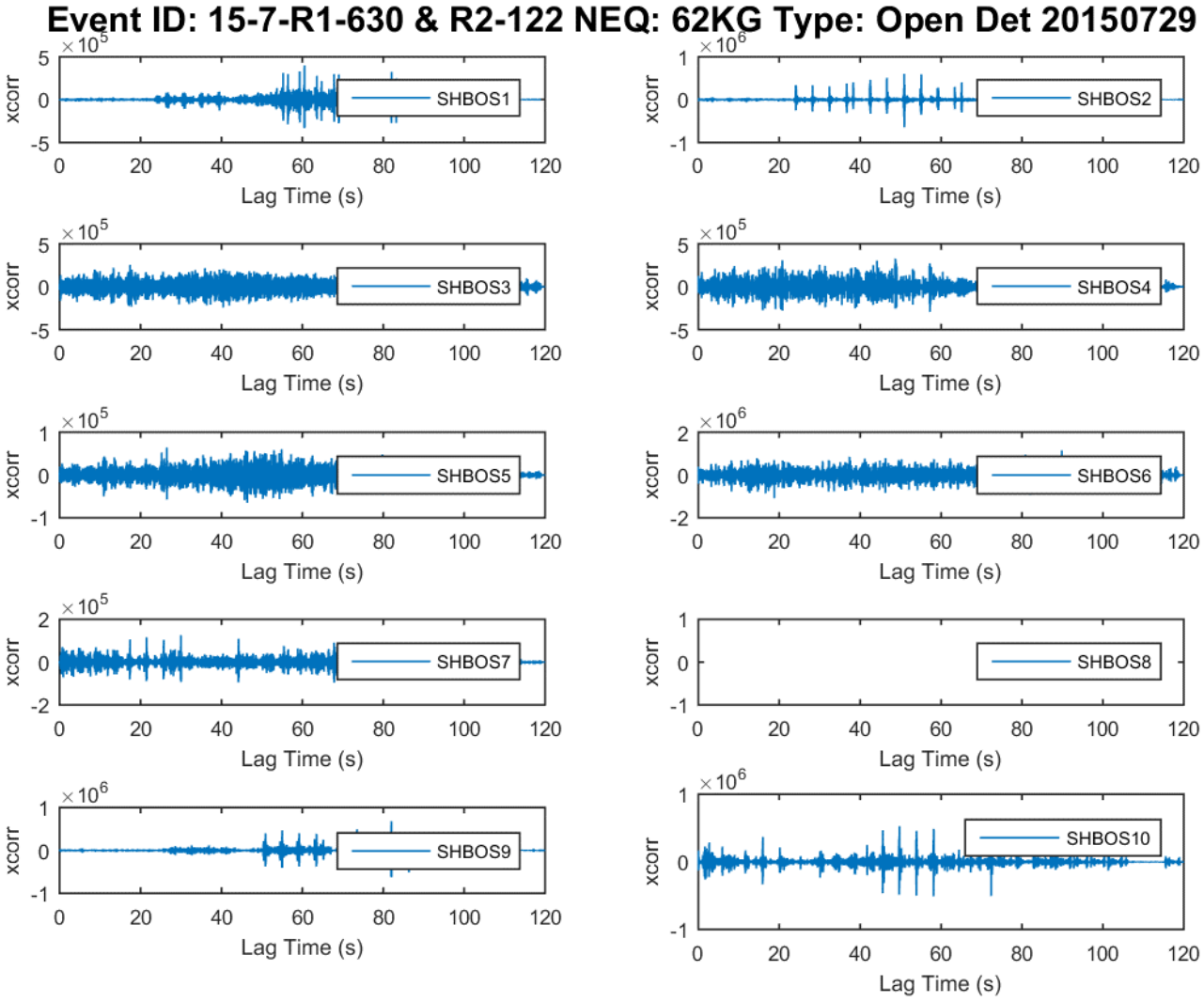


FIGURE 2.355: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-630 & R2-122

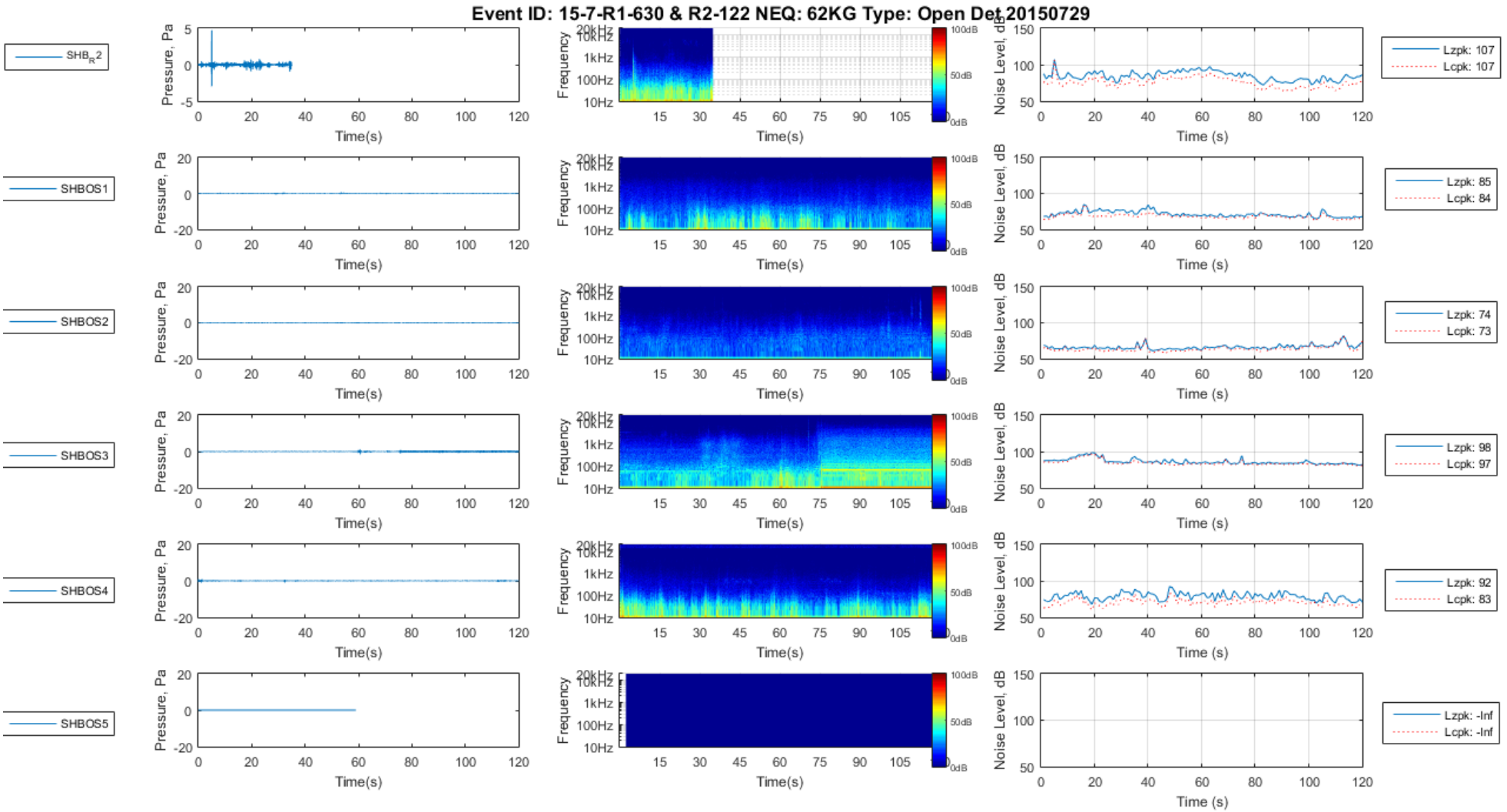
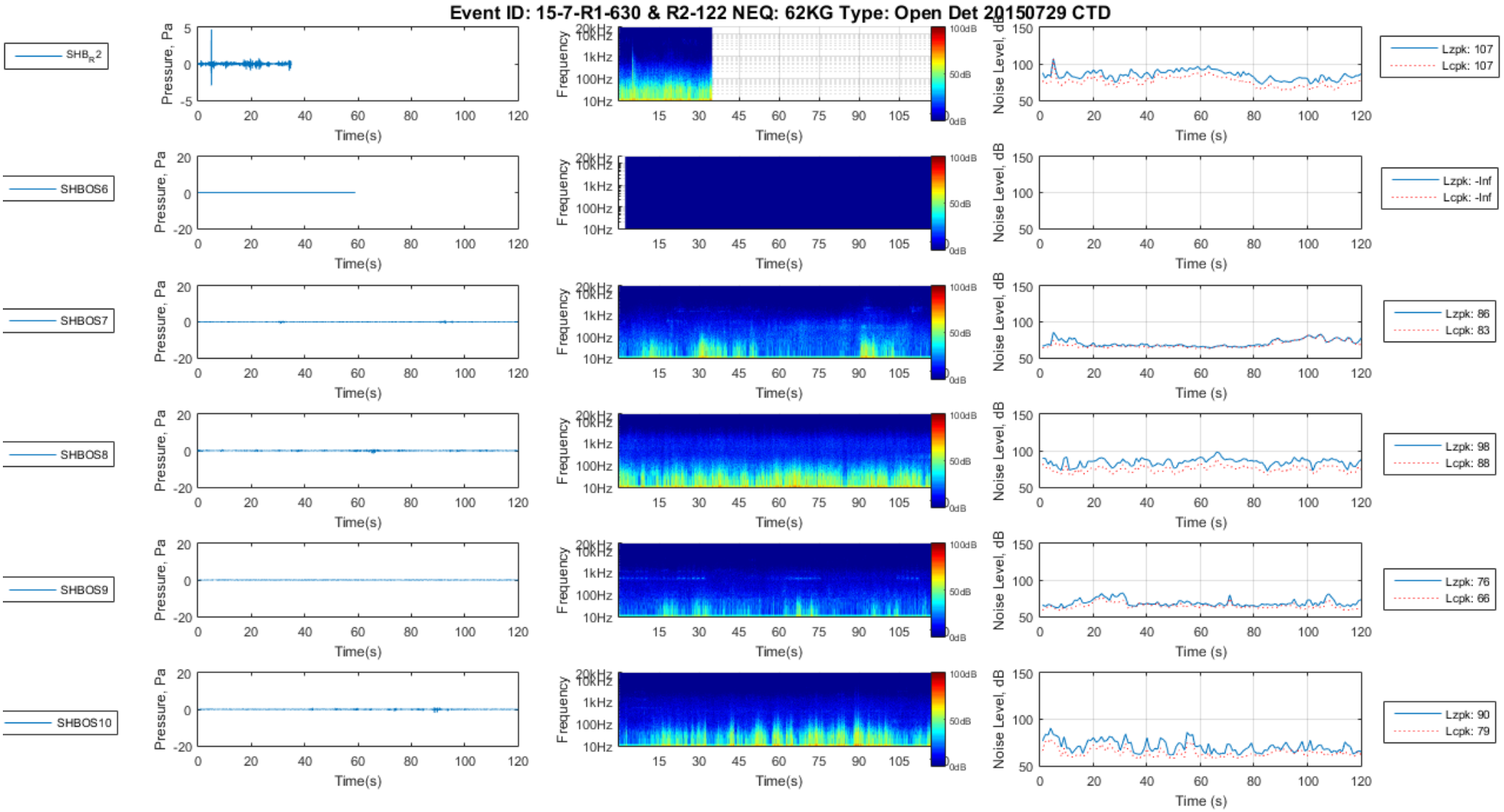


FIGURE 2.356: SHB_OS 1 - 5 15-7-R1-630 & R2-122


Event ID: 15-7-R1-630 & R2-122 NEQ: 62KG Type: Open Det 20150729 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 107
Lcpk: 107
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 86
Lcpk: 83
Lzpk: 98
Lcpk: 88
Lzpk: 76
Lcpk: 66
Lzpk: 90
Lcpk: 79

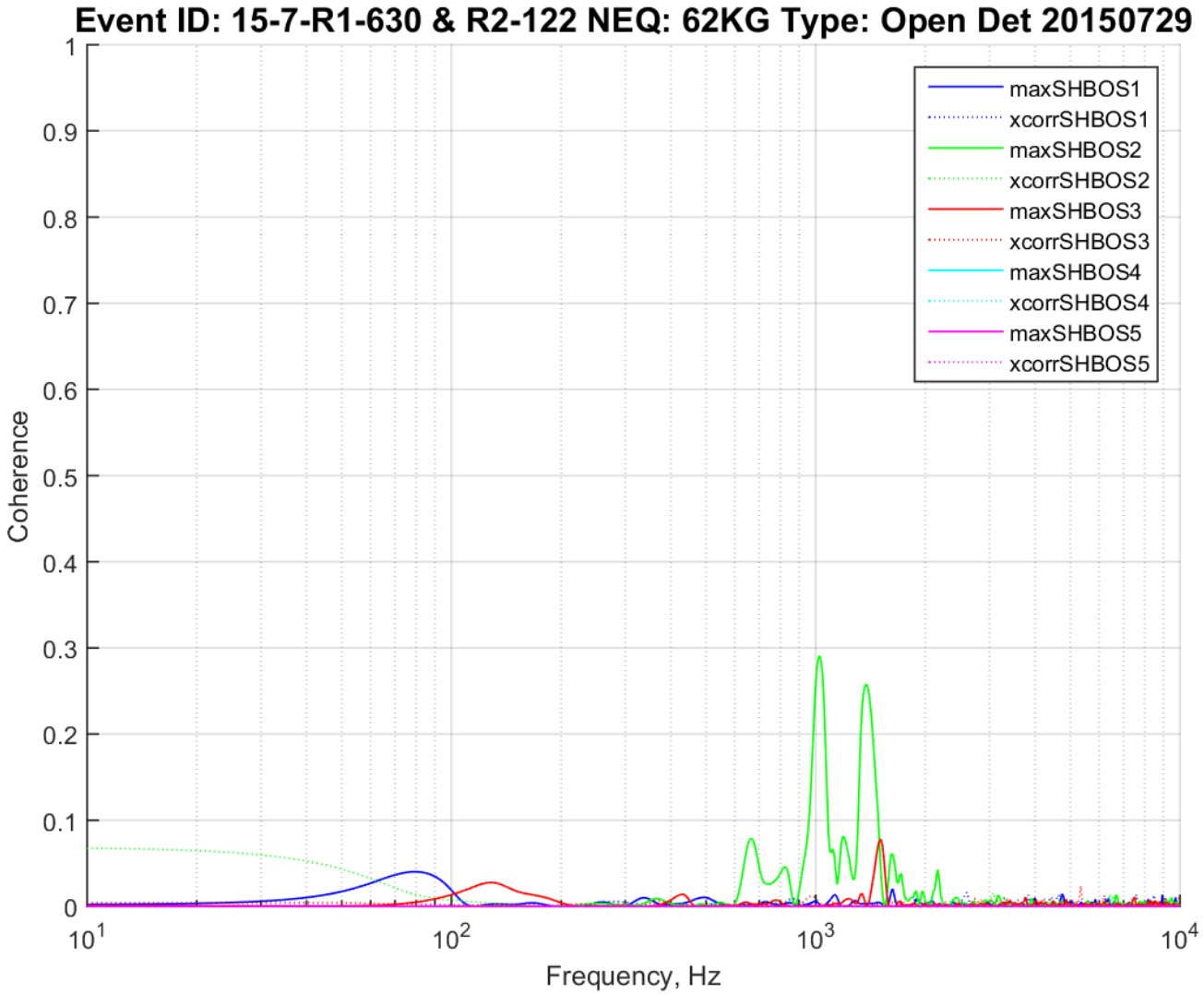


FIGURE 2.358: COHERENCE SHB_OS 1 - 5 15-7-R1-630 & R2-122

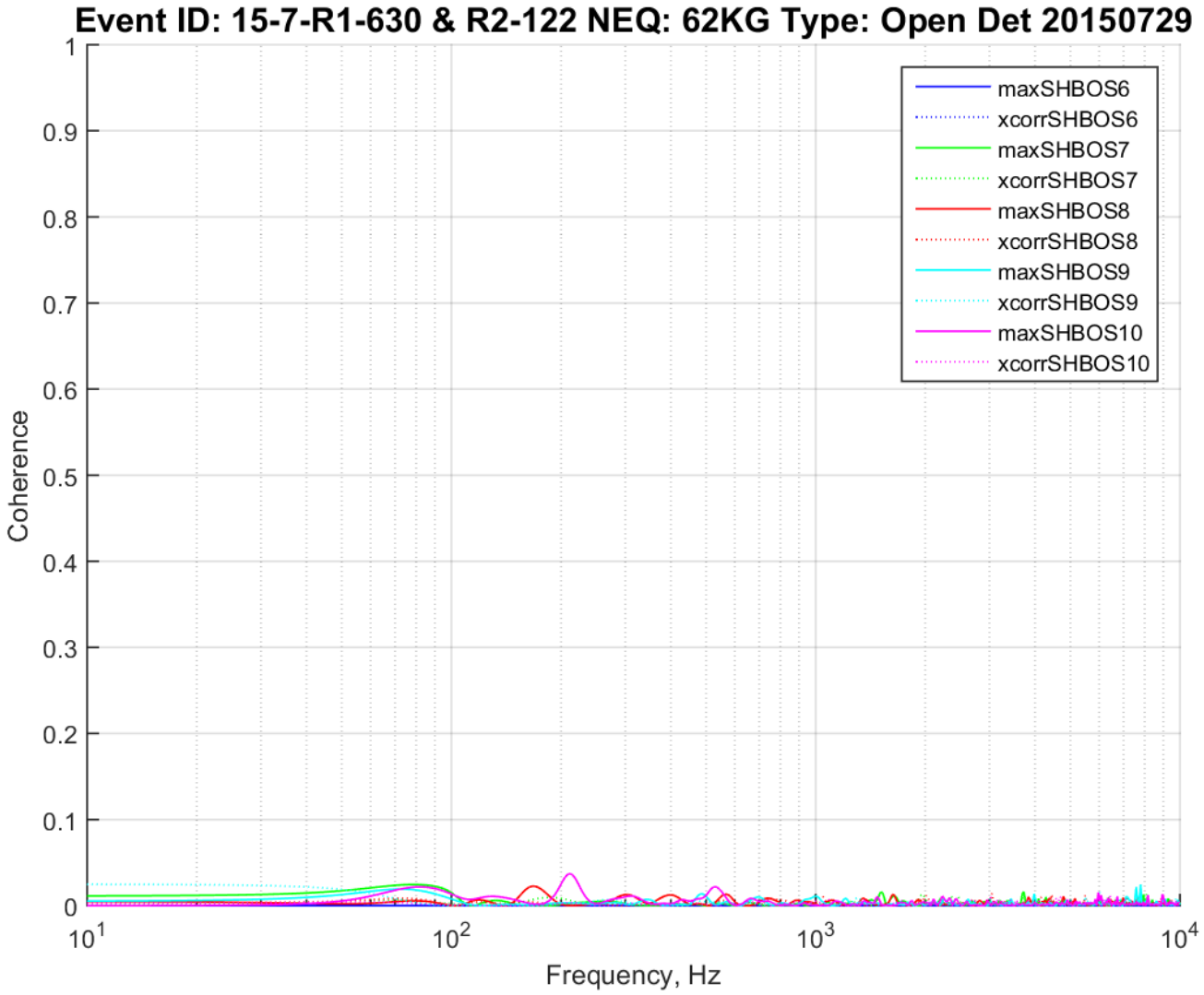


FIGURE 2.359: COHERENCE SHB_OS 6 - 10 15-7-R1-630 & R2-122CTD

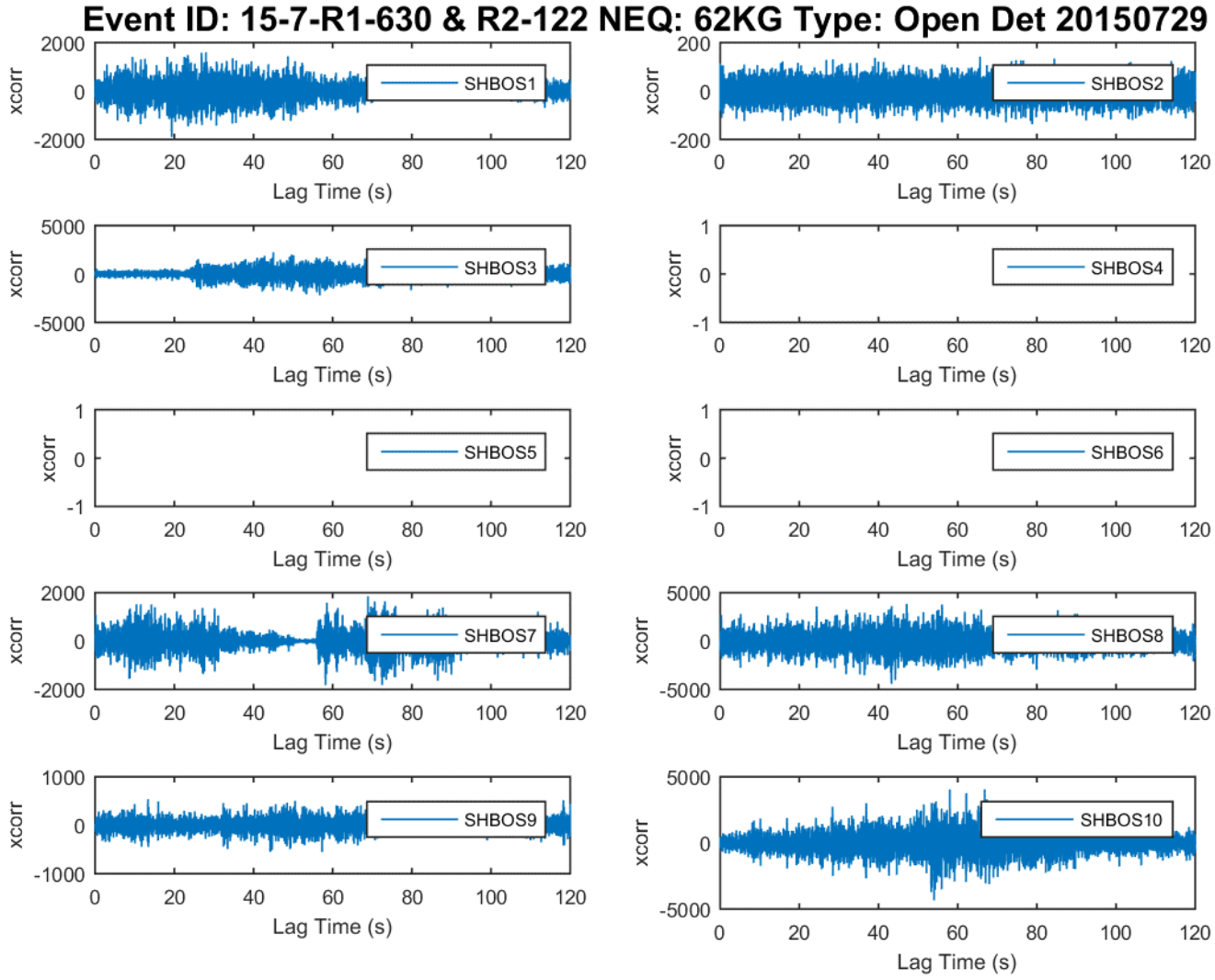


FIGURE 2.360: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-630 & R2-122

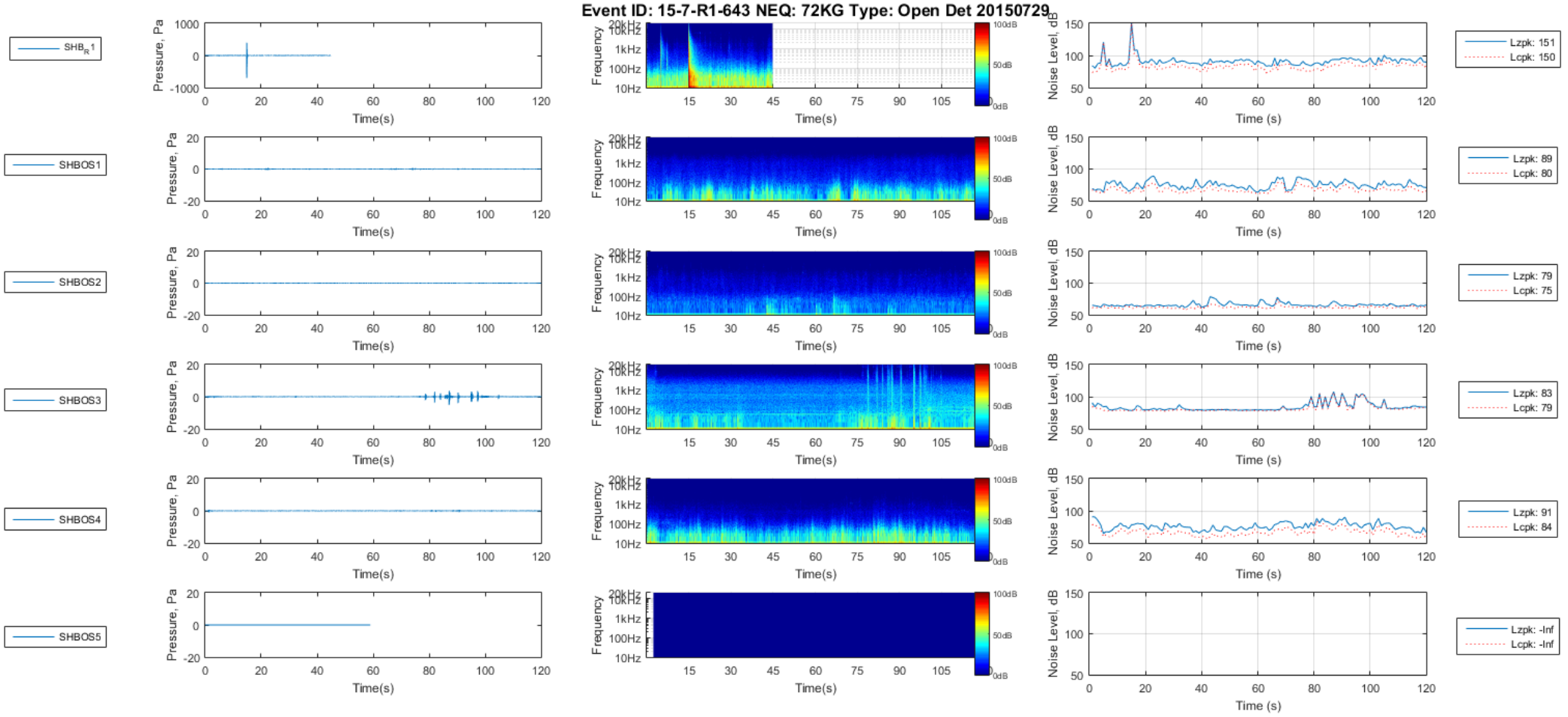


FIGURE 2.361: SHB_OS 1 - 5 15-7-R1-643

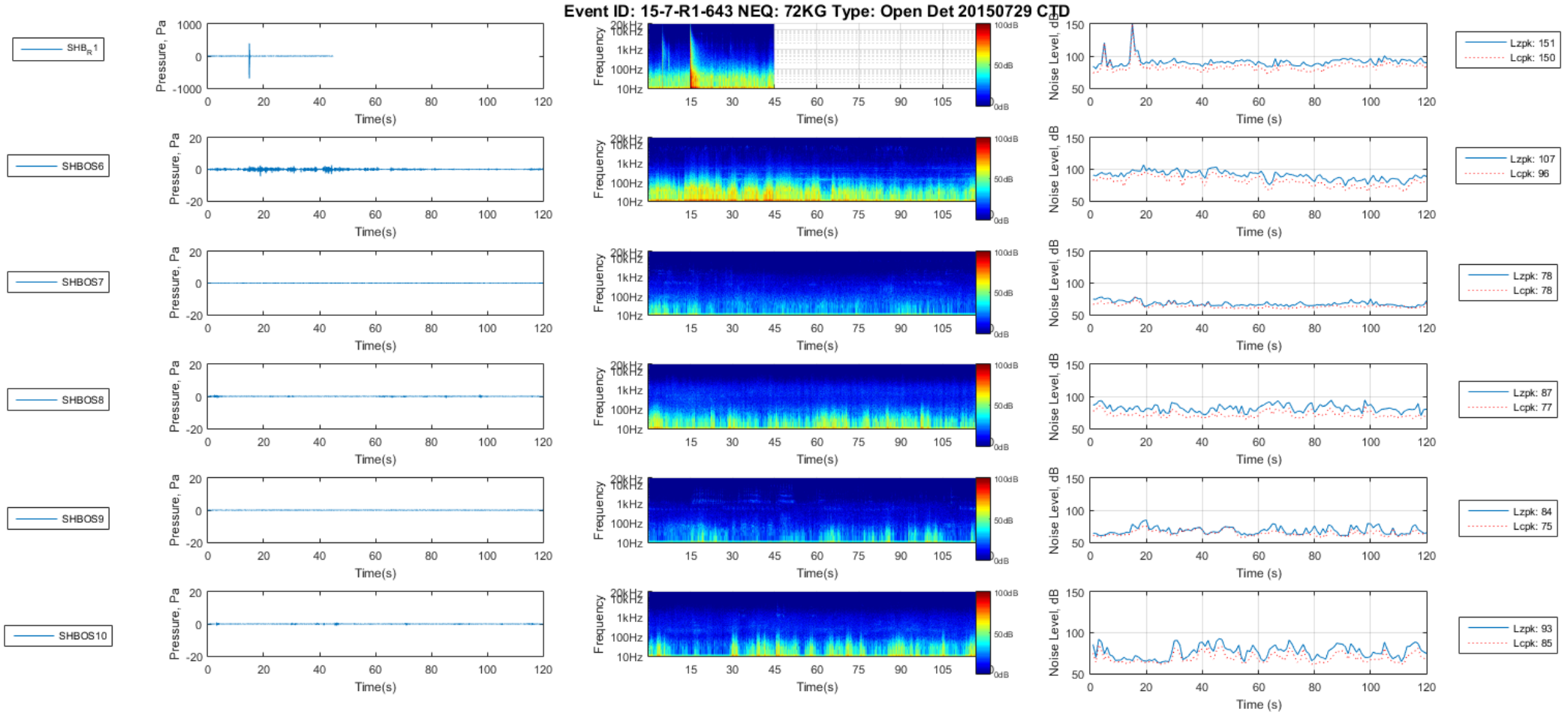


FIGURE 2.362: SHB_OS 6 - 10 15-7-R1-643

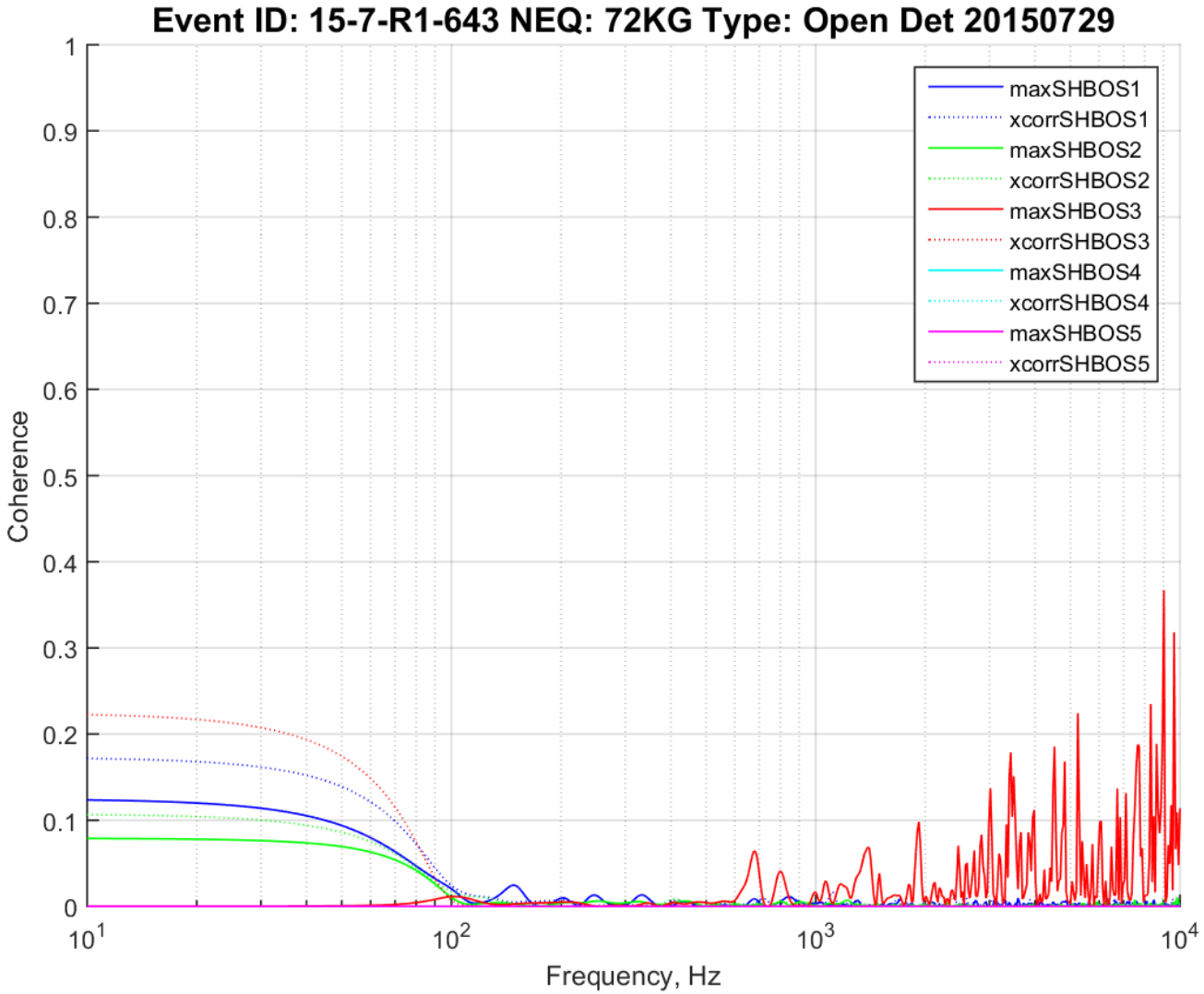


FIGURE 2.363: COHERENCE SHB_OS 1 - 5 15-7-R1-643

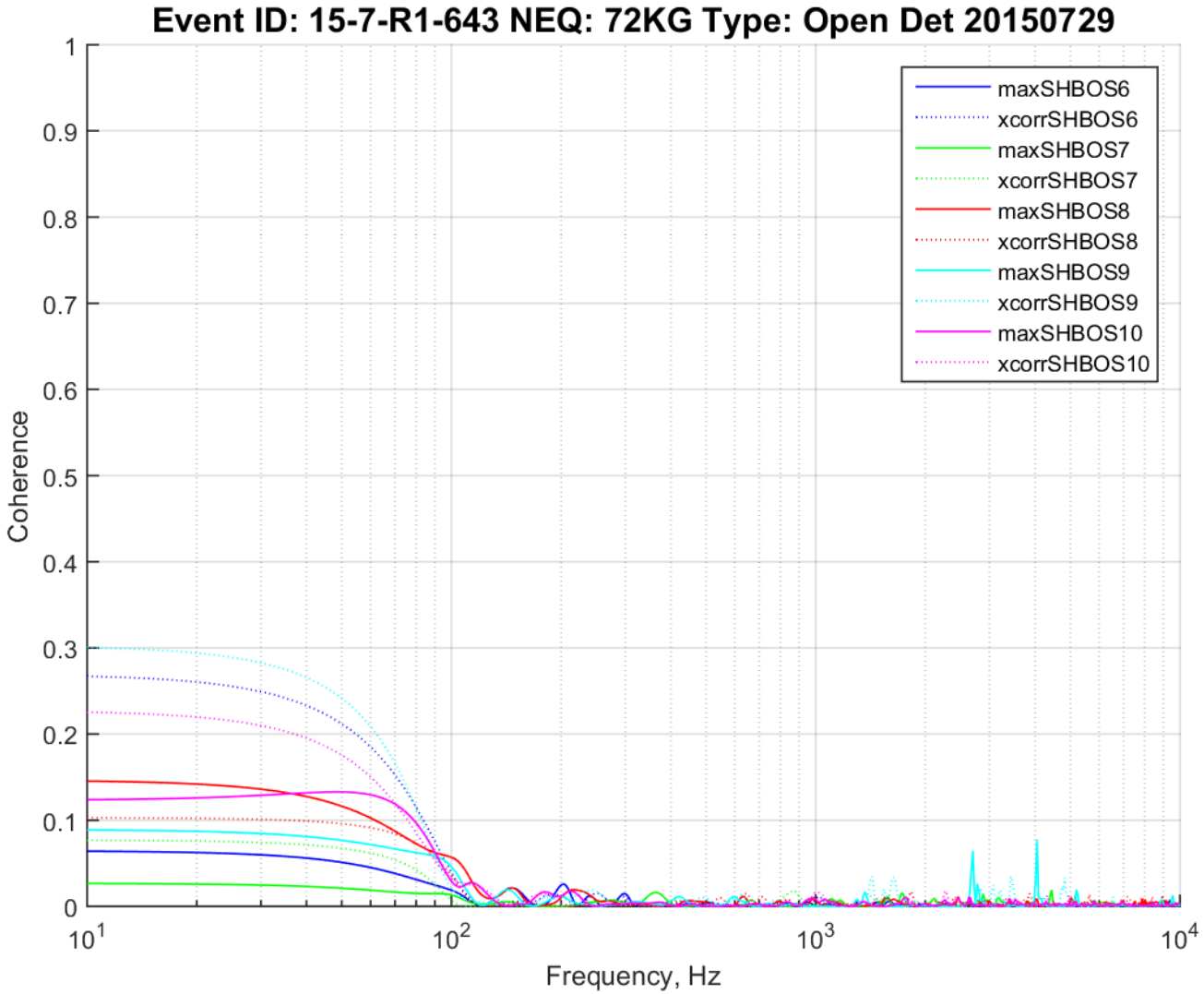


FIGURE 2.364: COHERENCE SHB_OS 6 - 10 15-7-R1-643CTD

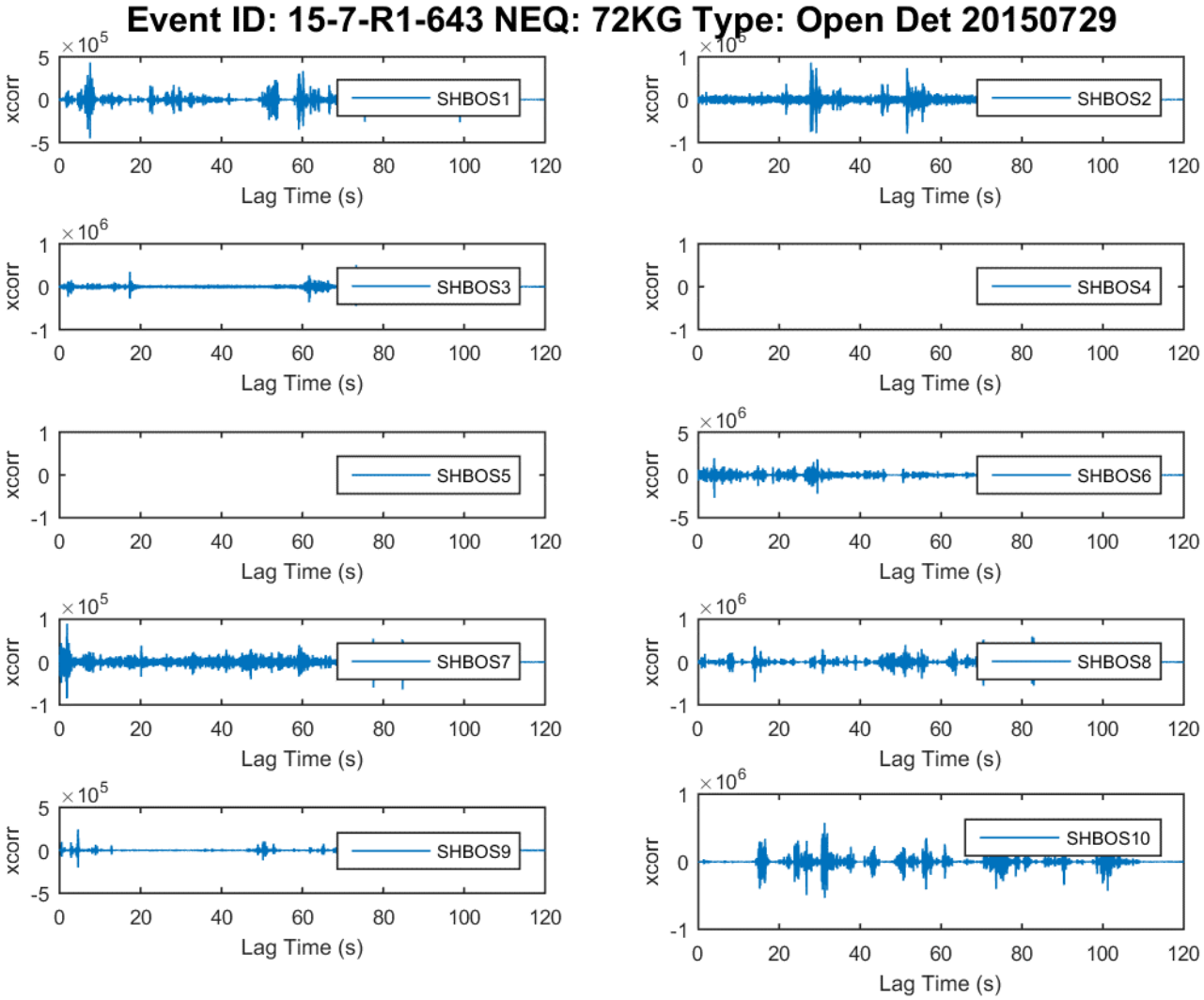


FIGURE 2.365: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-643

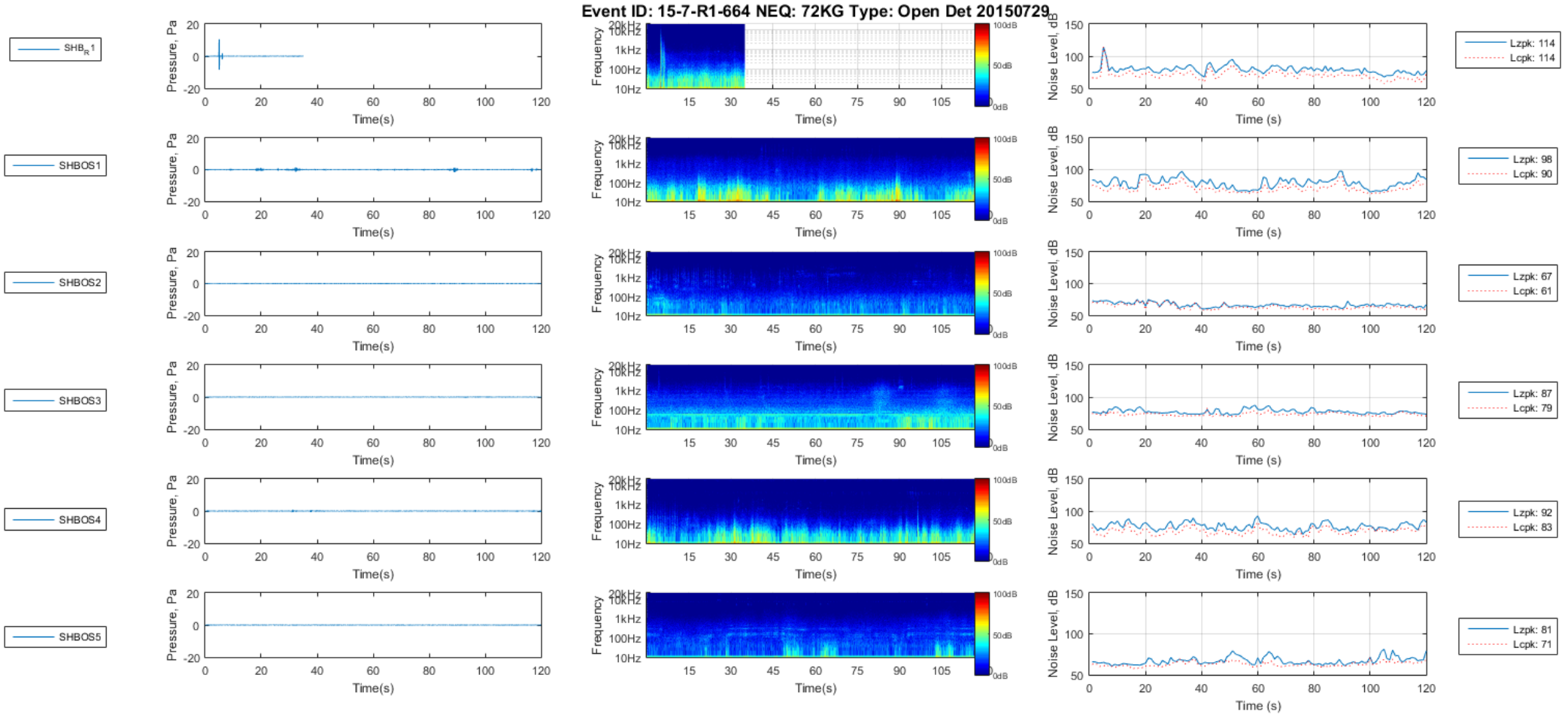


FIGURE 2.366: SHB_OS 1 - 5 15-7-R1-664

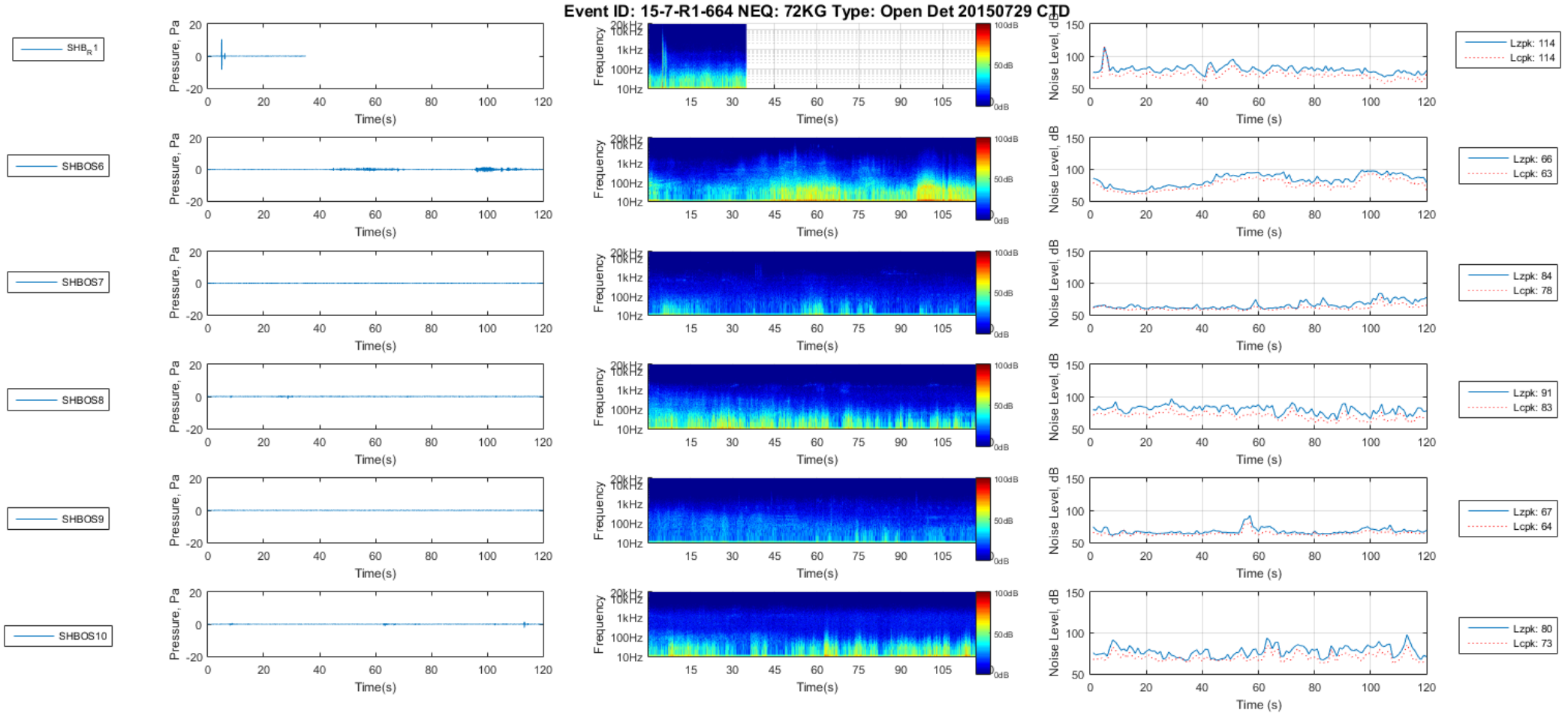


FIGURE 2.367: SHB_OS 6 - 10 15-7-R1-664

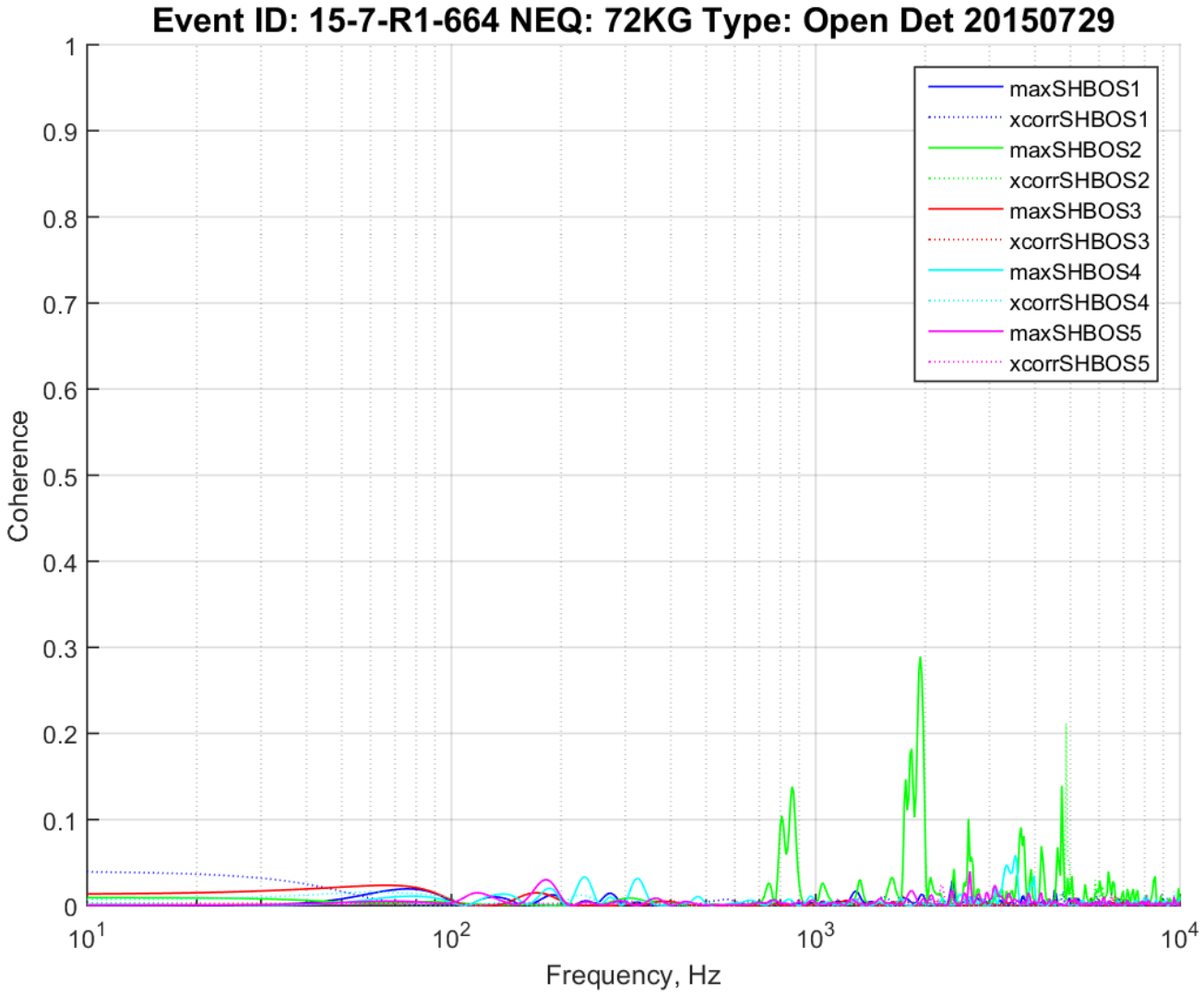


FIGURE 2.368: COHERENCE SHB_OS 1 - 5 15-7-R1-664

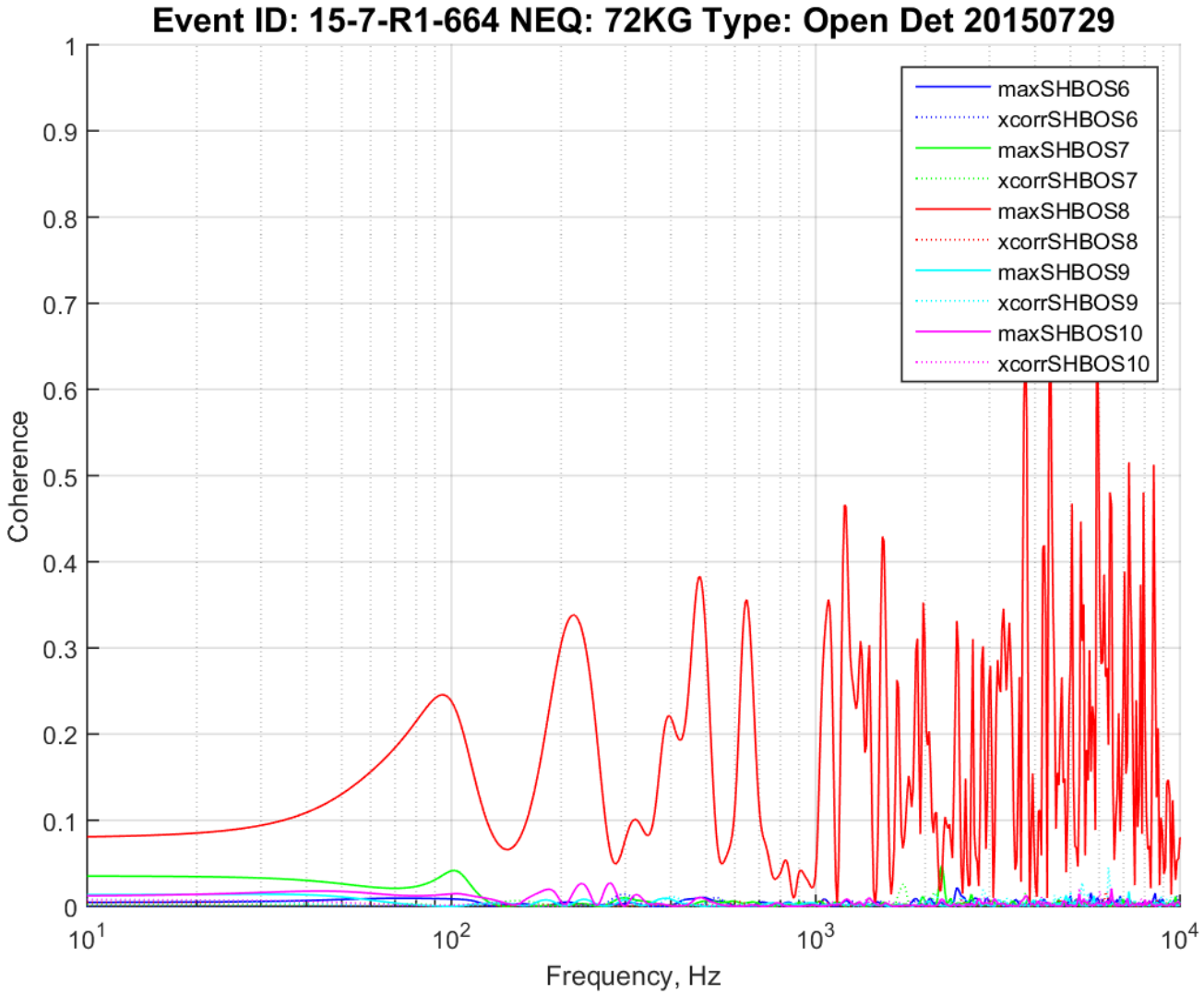


FIGURE 2.369: COHERENCE SHB_OS 6 - 10 15-7-R1-664CTD

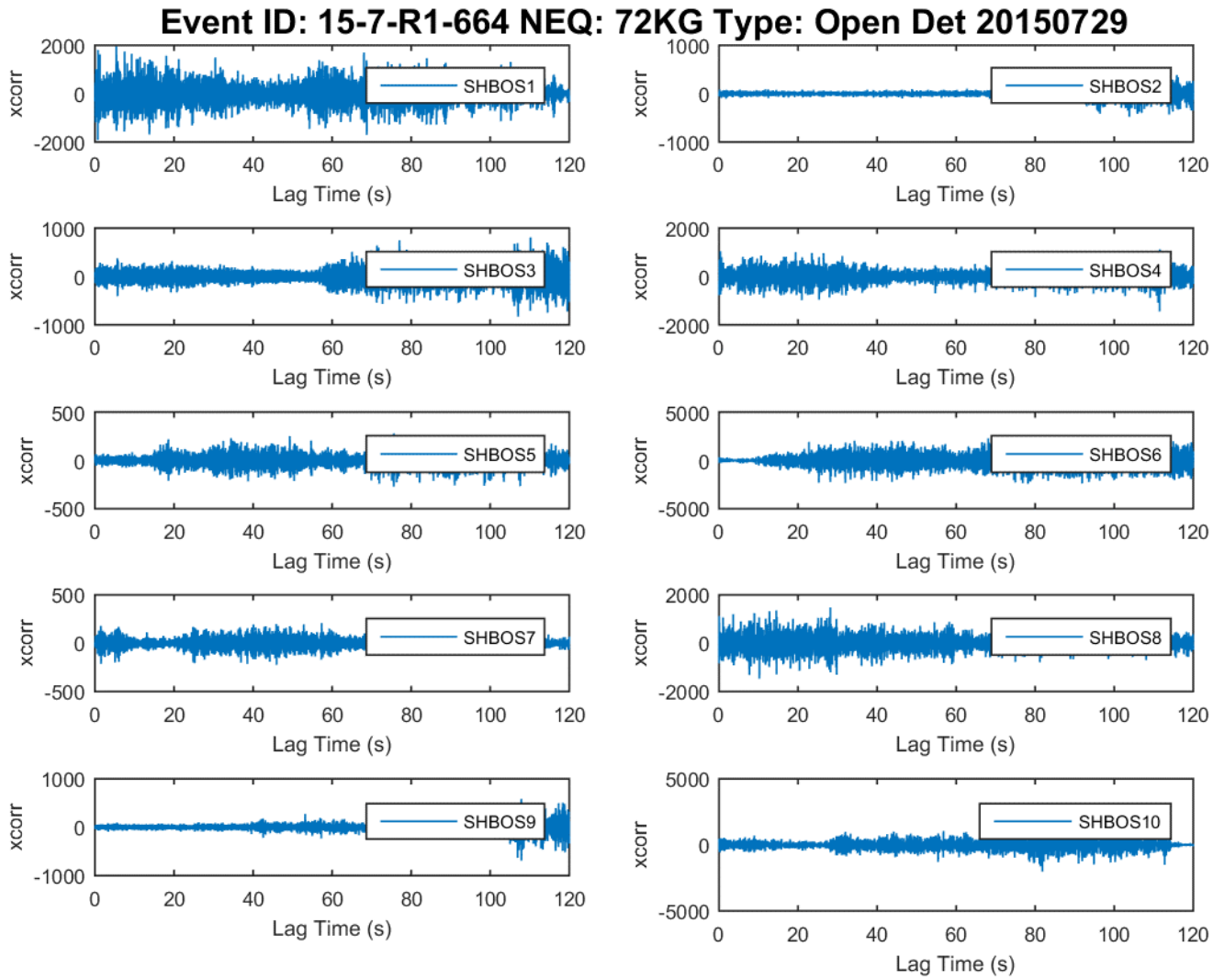


FIGURE 2.370: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-664

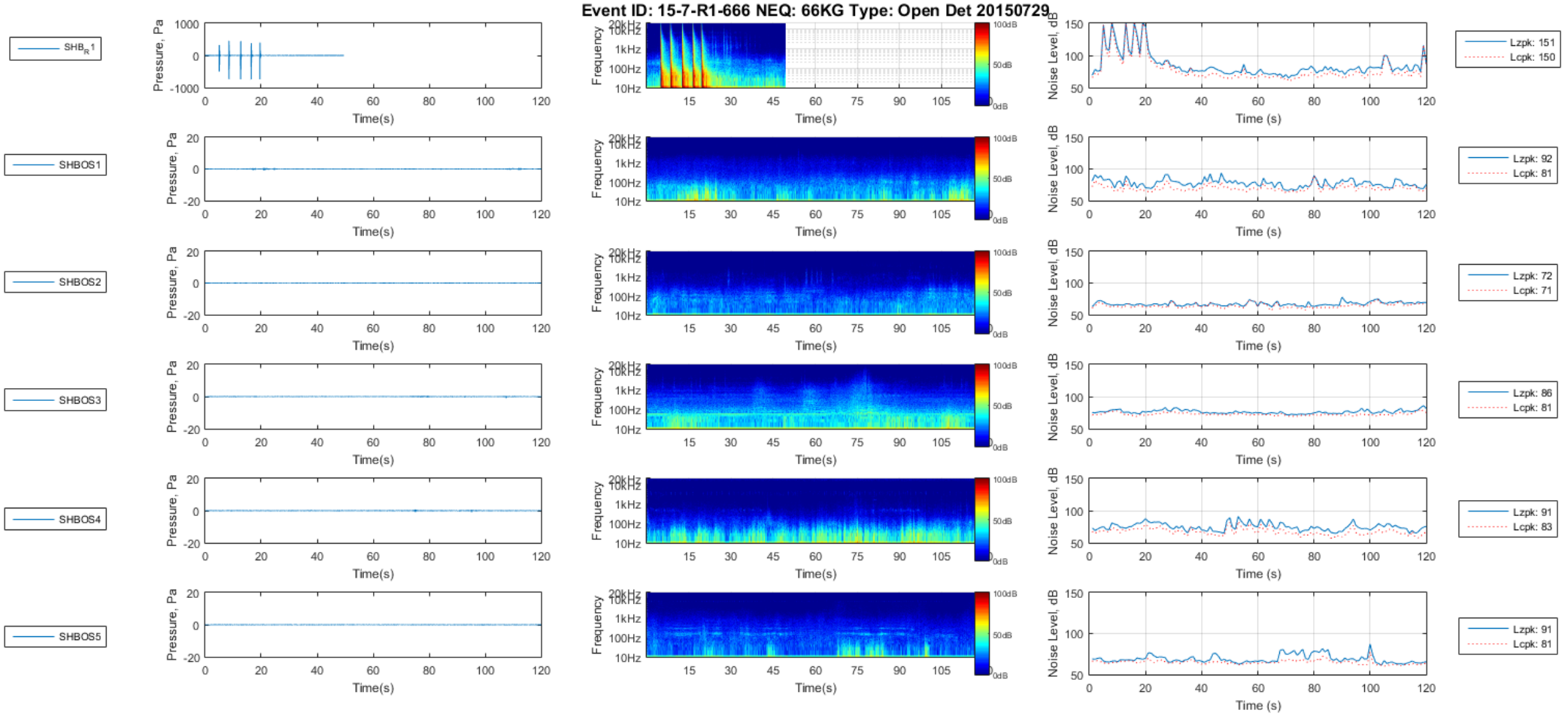


FIGURE 2.371: SHB_OS 1 - 5 15-7-R1-666

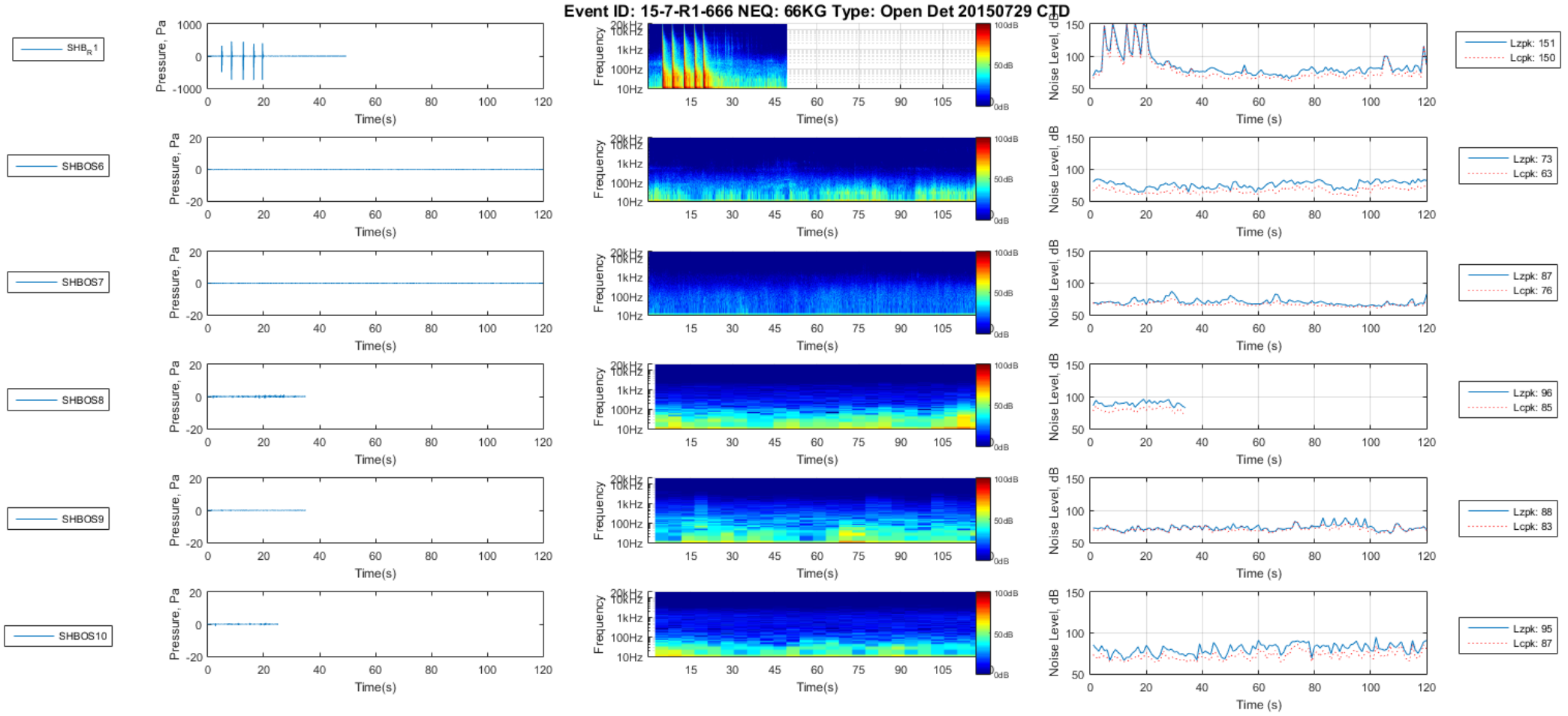


FIGURE 2.372: SHB_OS 6 - 10 15-7-R1-666

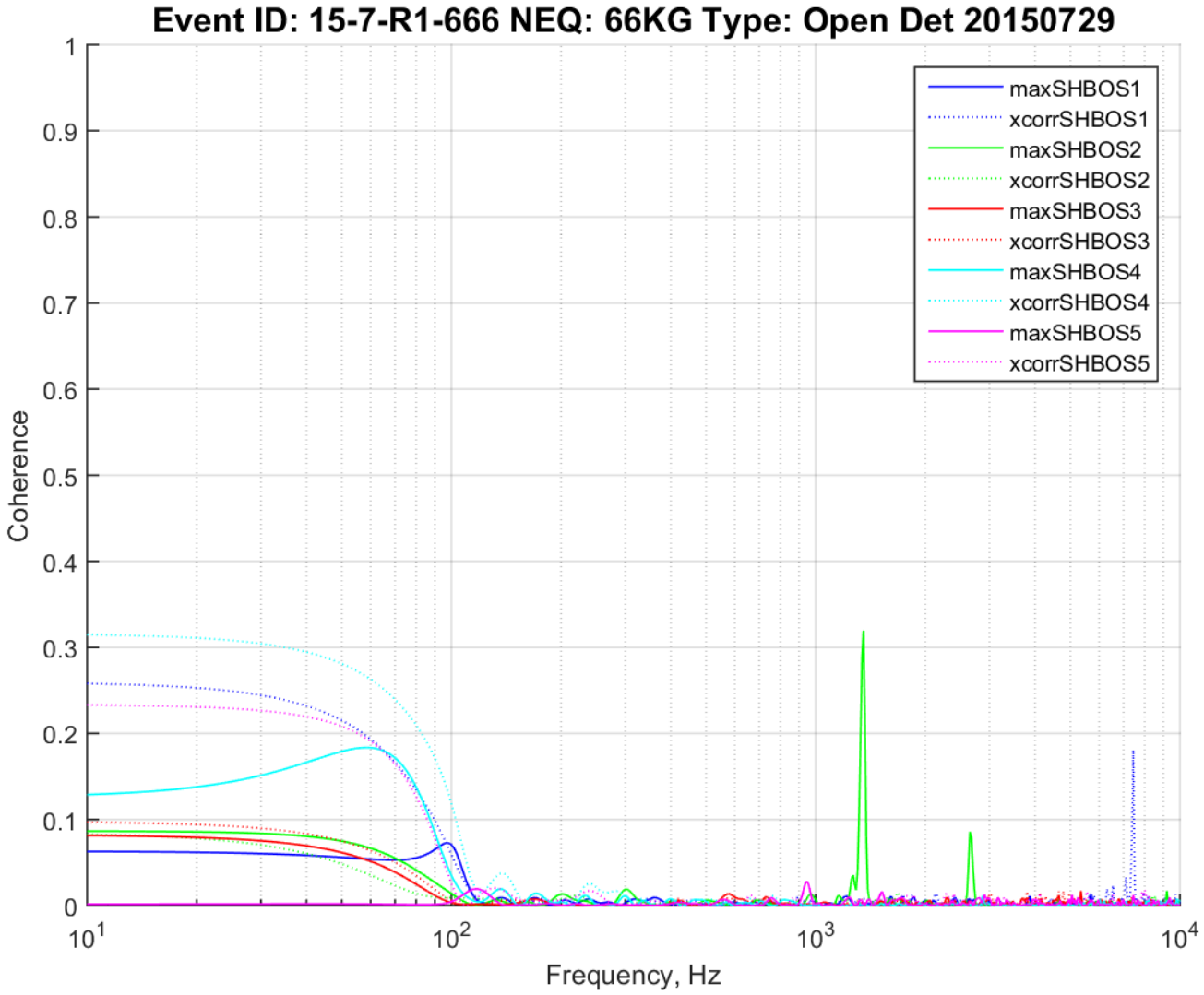


FIGURE 2.373: COHERENCE SHB_OS 1 - 5 15-7-R1-666

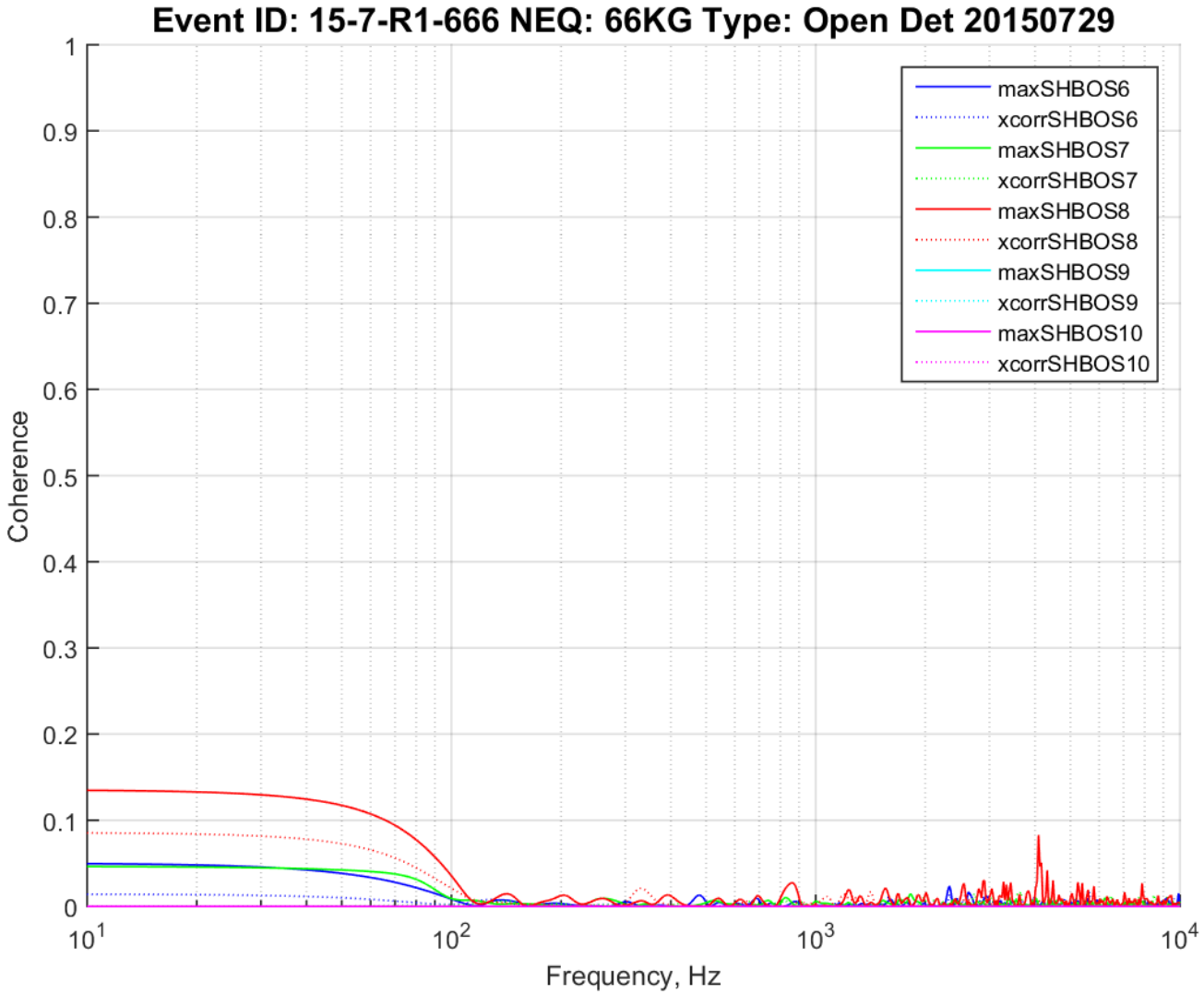


FIGURE 2.374: COHERENCE SHB_OS 6 - 10 15-7-R1-666CTD

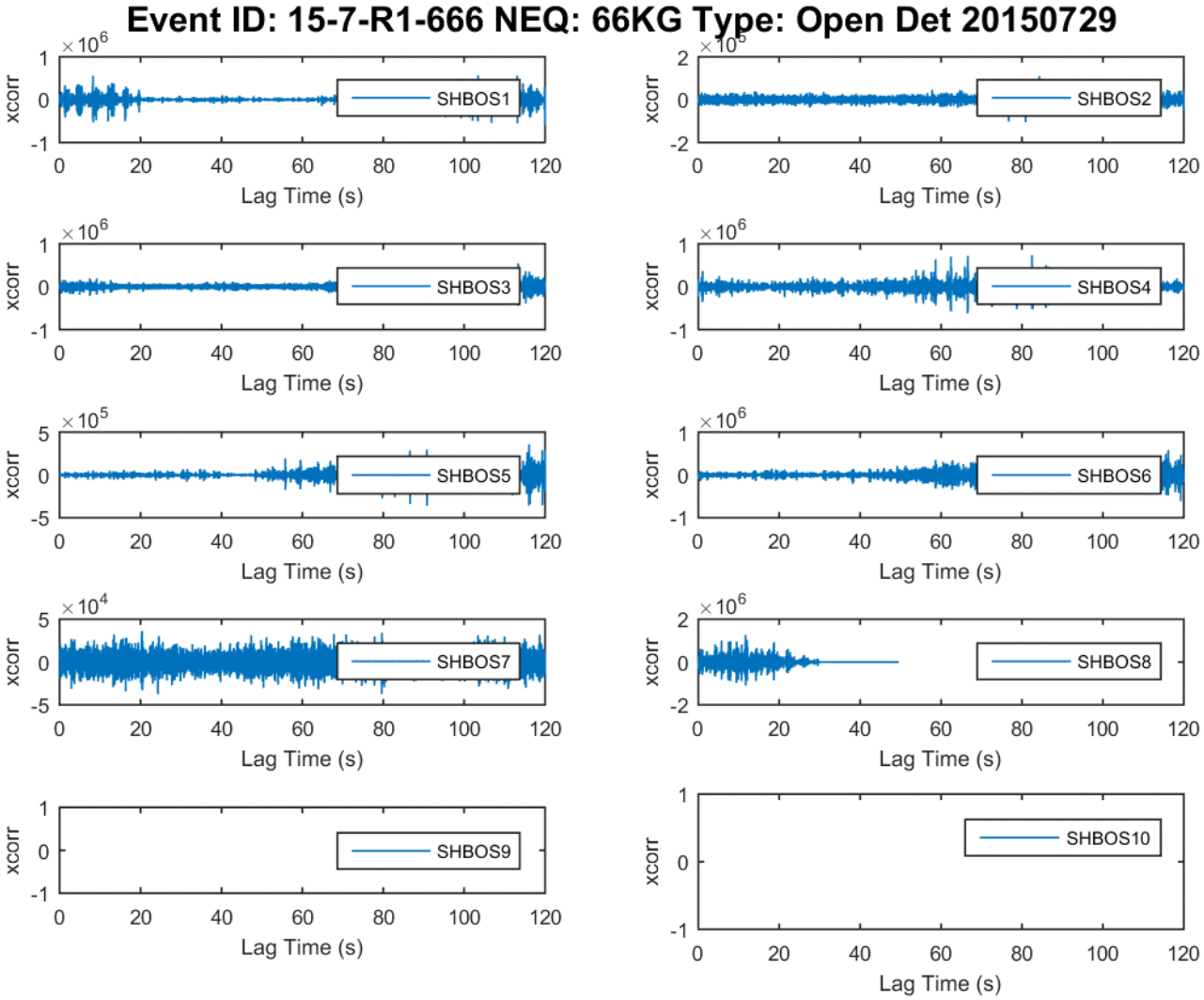


FIGURE 2.375: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-666

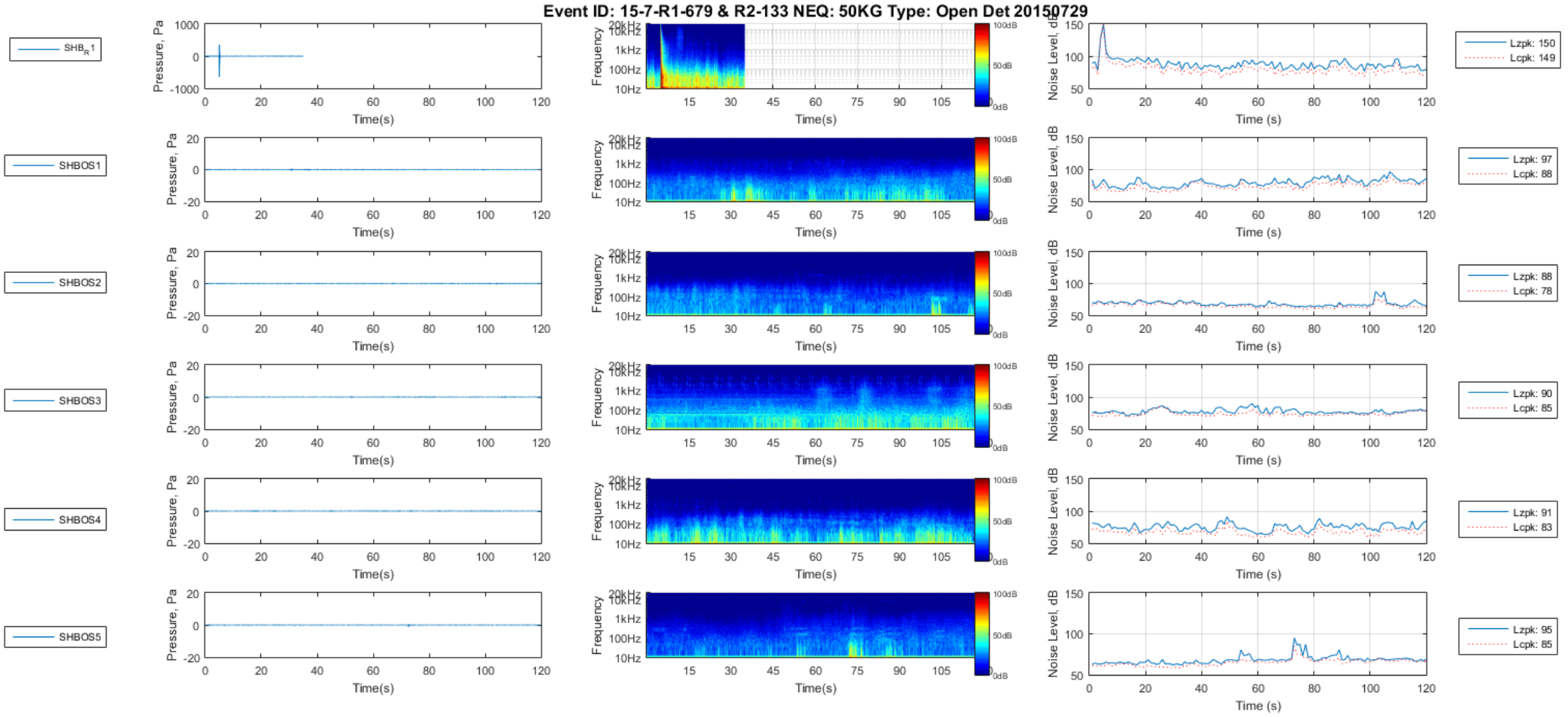


FIGURE 2.376: SHB_OS 1 - 5 15-7-R1-679 & R2-133

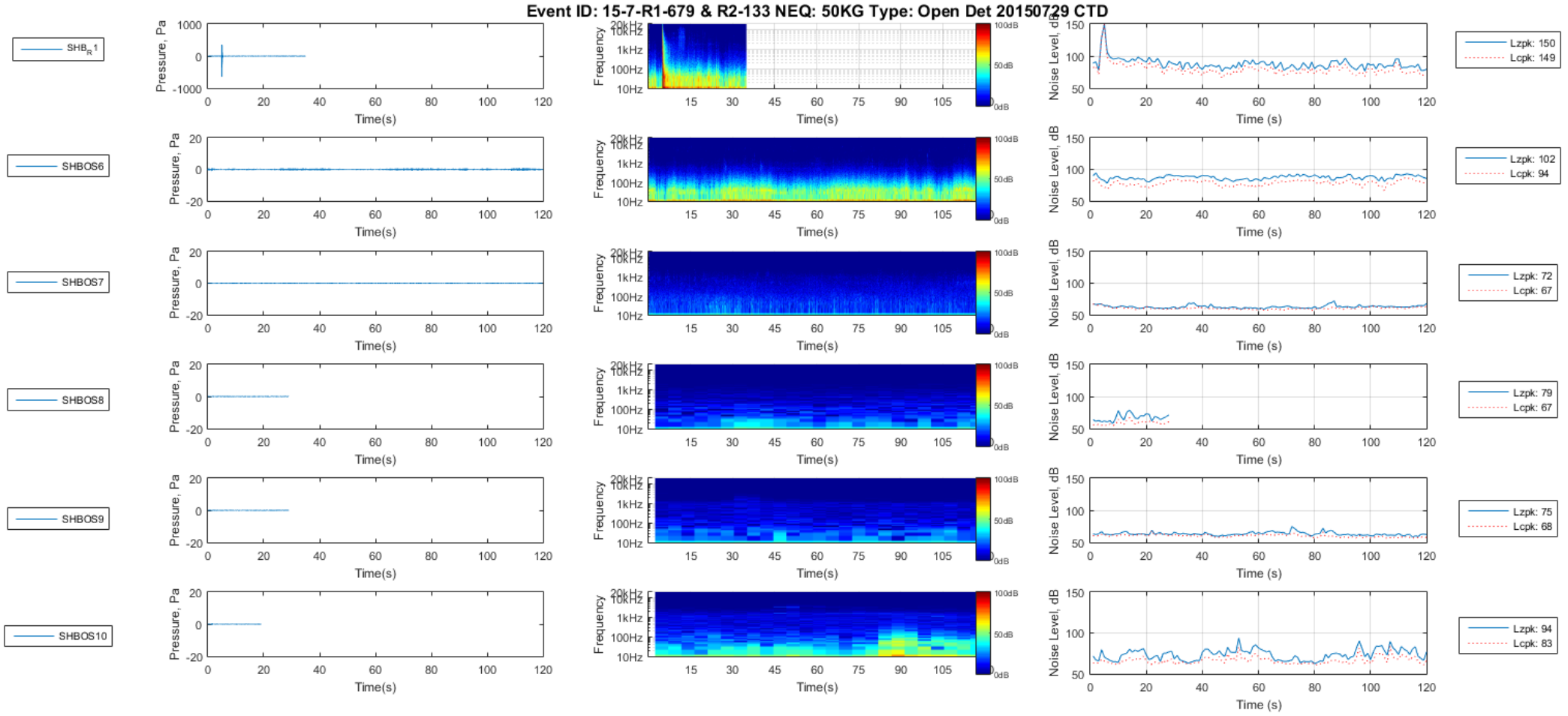


FIGURE 2.377: SHB_OS 6 - 10 15-7-R1-679 & R2-133

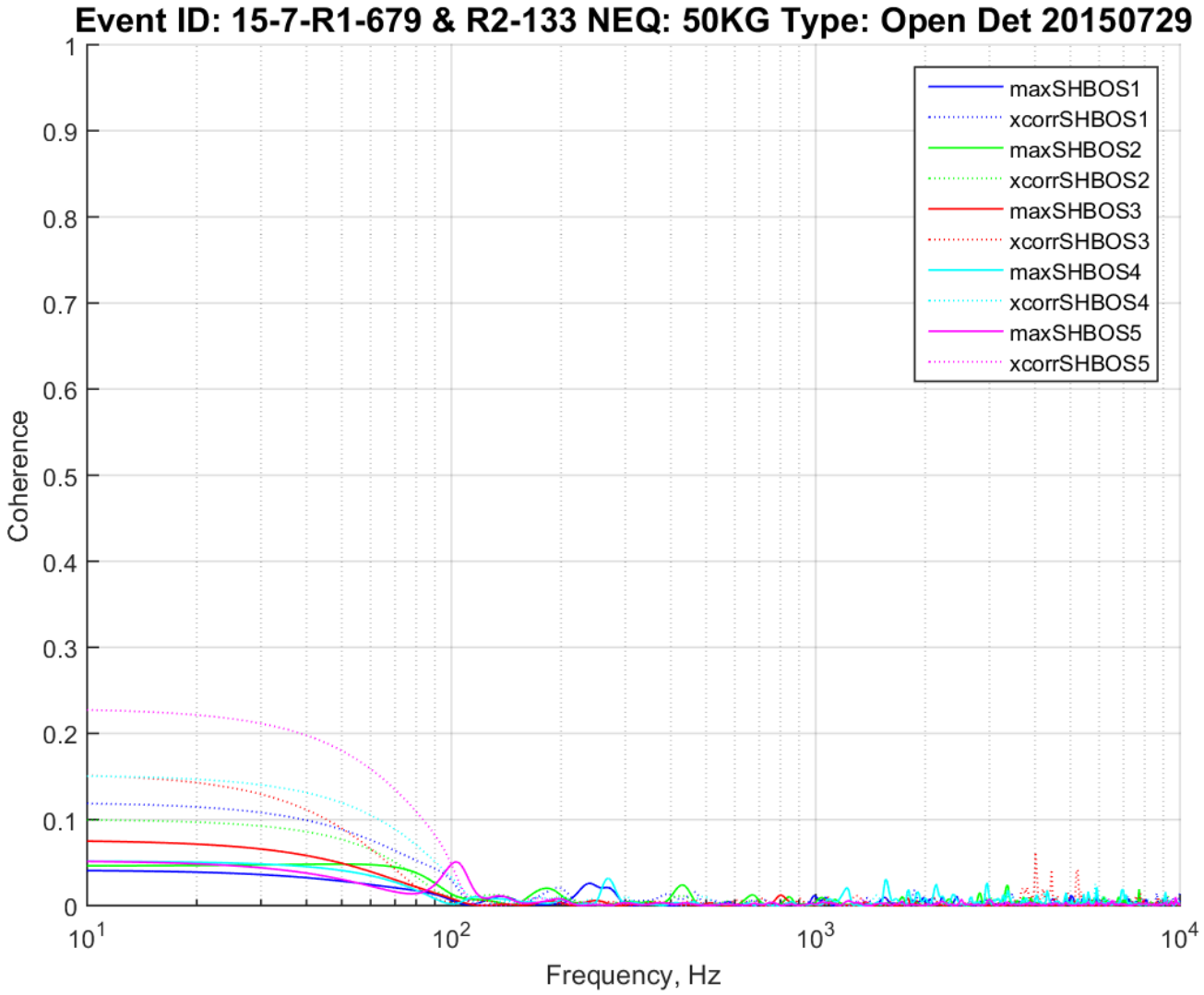


FIGURE 2.378: COHERENCE SHB_OS 1 - 5 15-7-R1-679 & R2-133

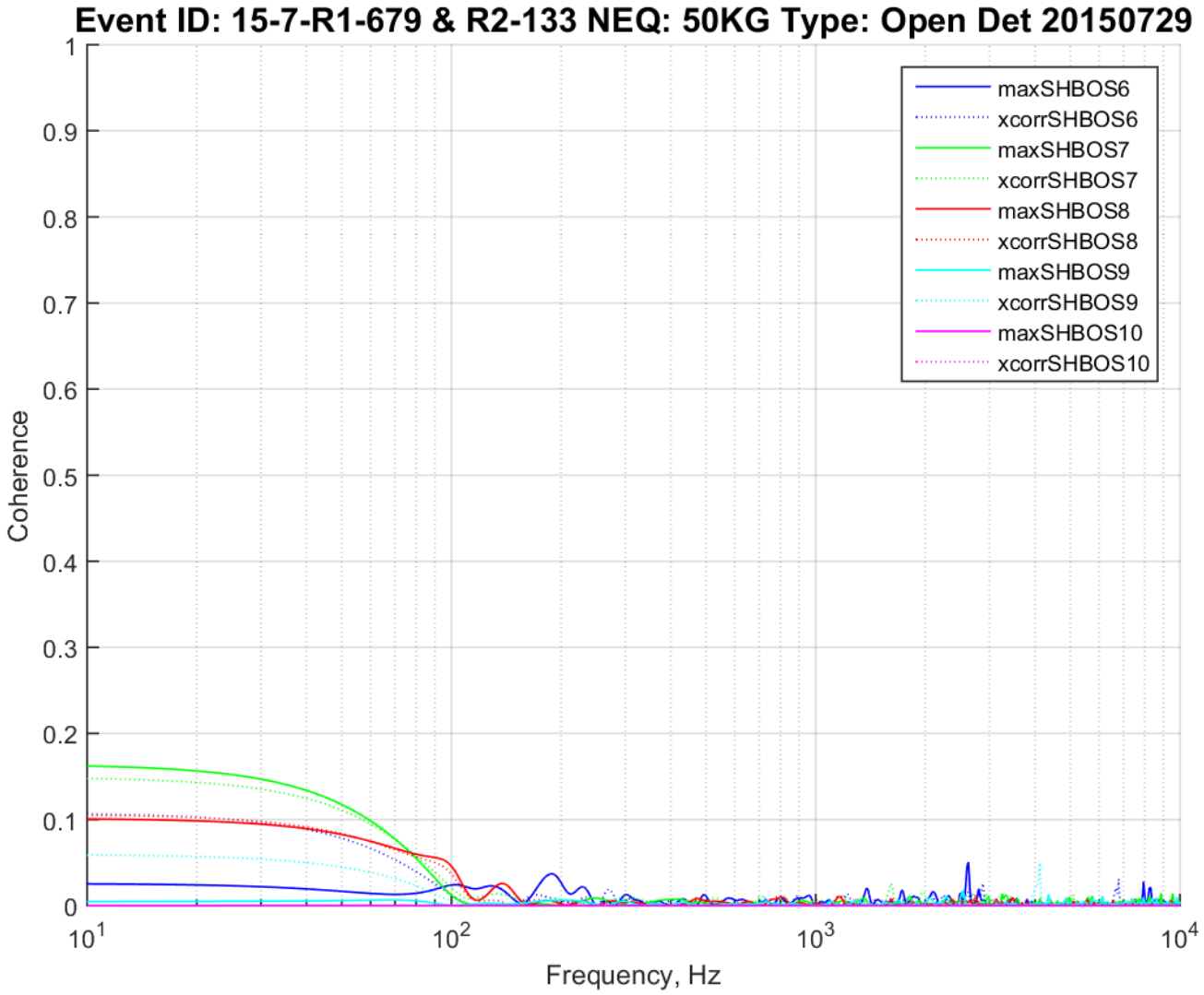


FIGURE 2.379: COHERENCE SHB_OS 6 - 10 15-7-R1-679 & R2-133CTD

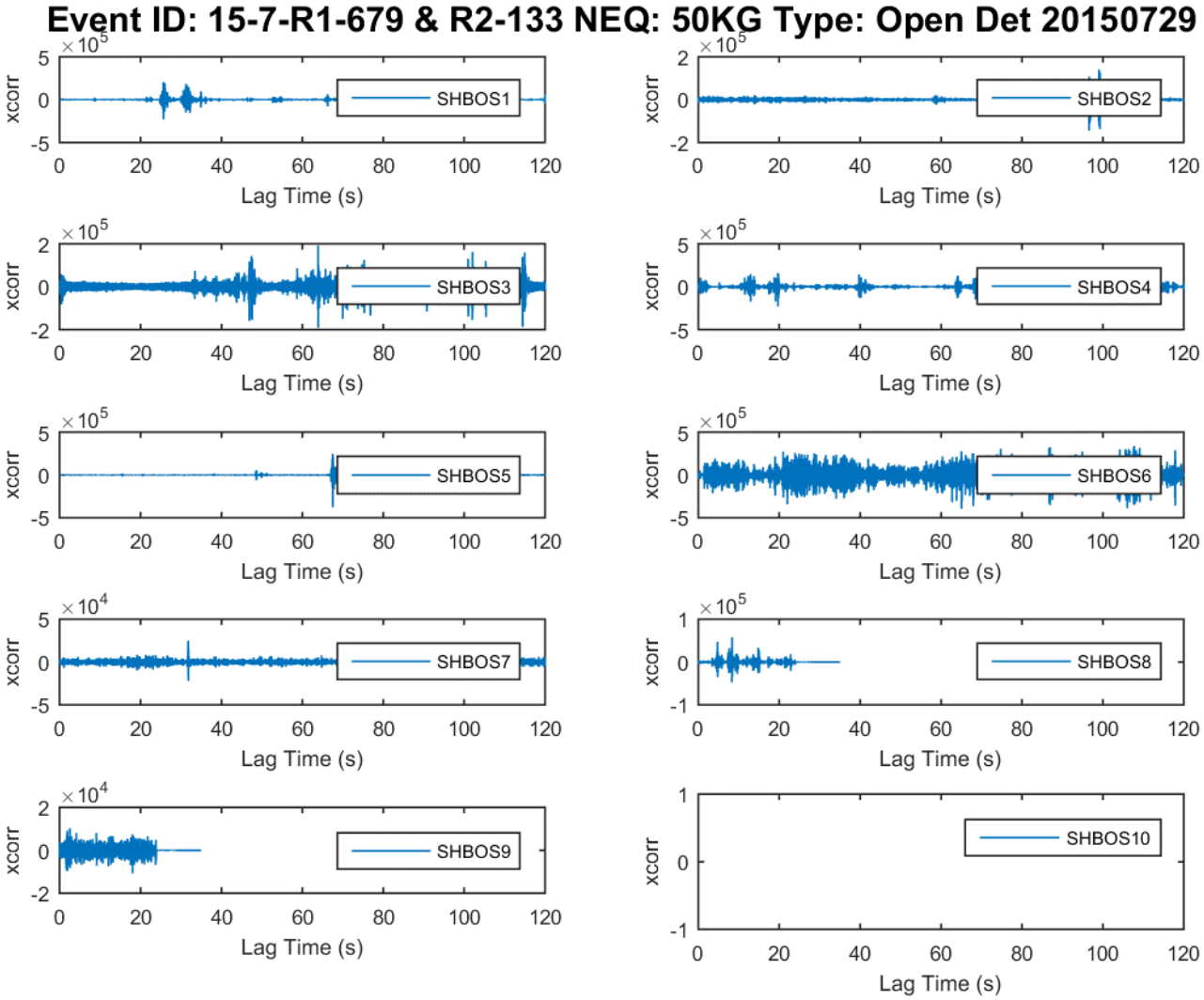


FIGURE 2.380: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-679 & R2-133

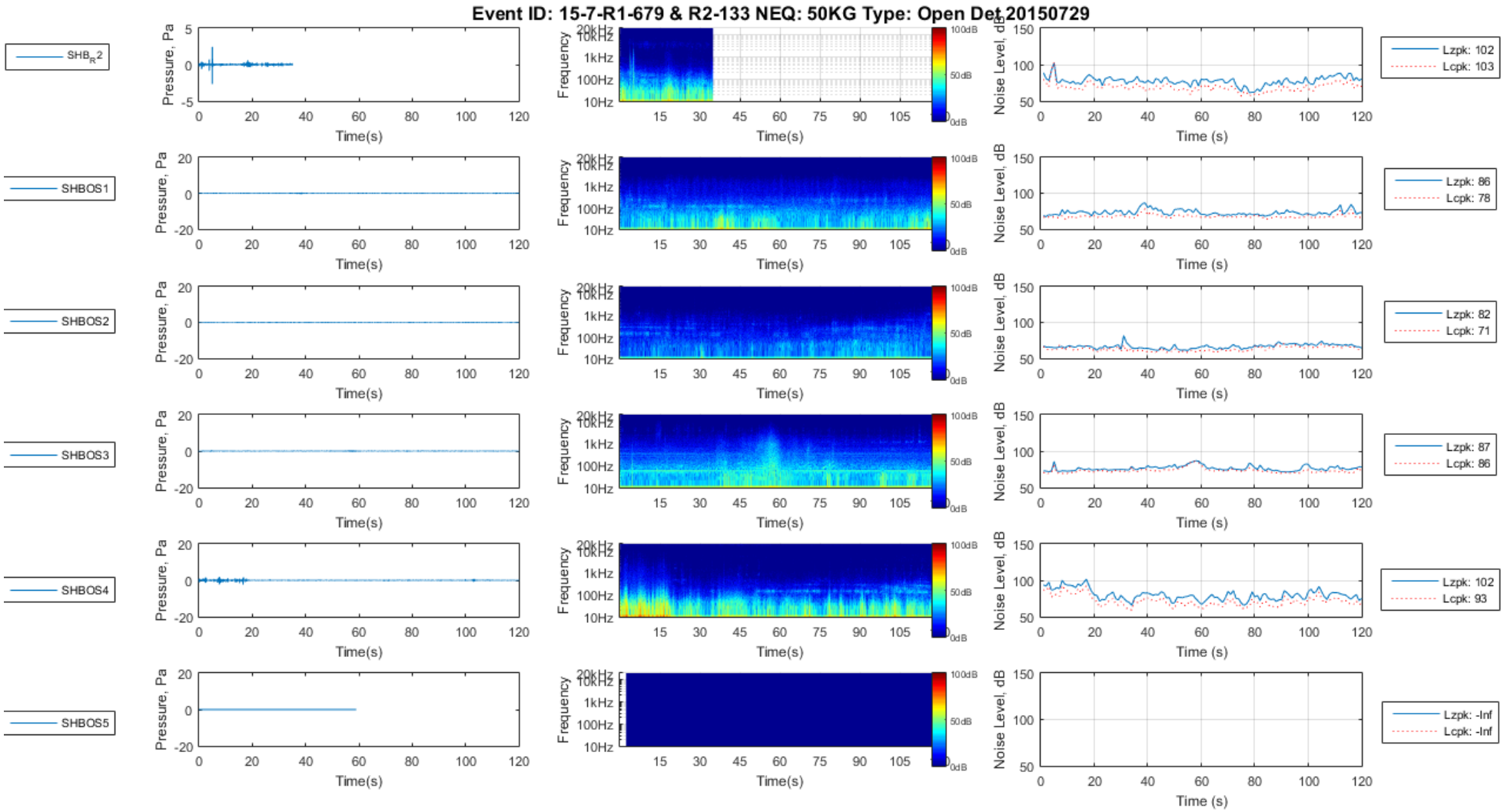


FIGURE 2.381: SHB_OS 1 - 5 15-7-R1-679 & R2-133

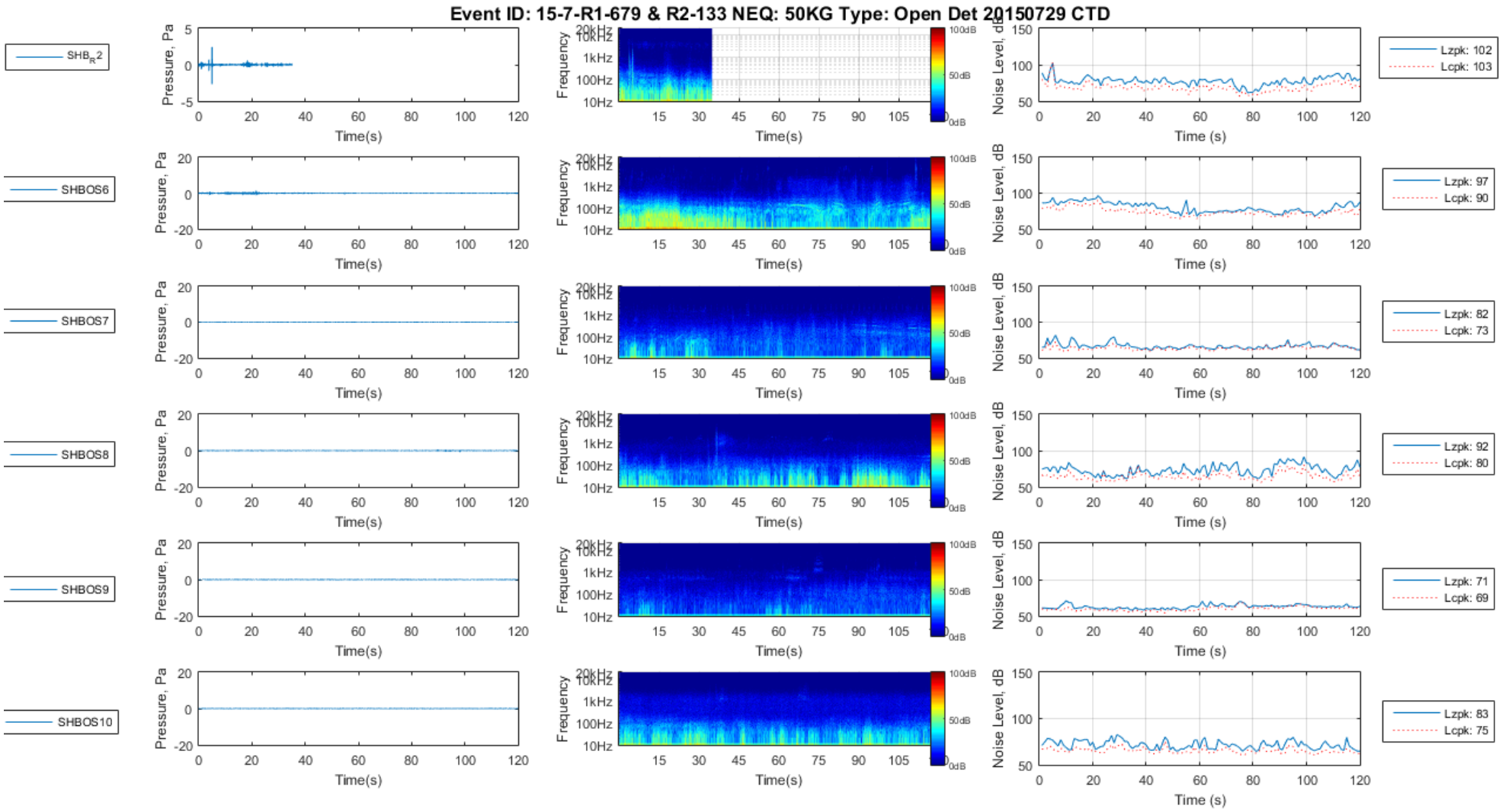


FIGURE 2.382: SHB_OS 6 - 10 15-7-R1-679 & R2-133

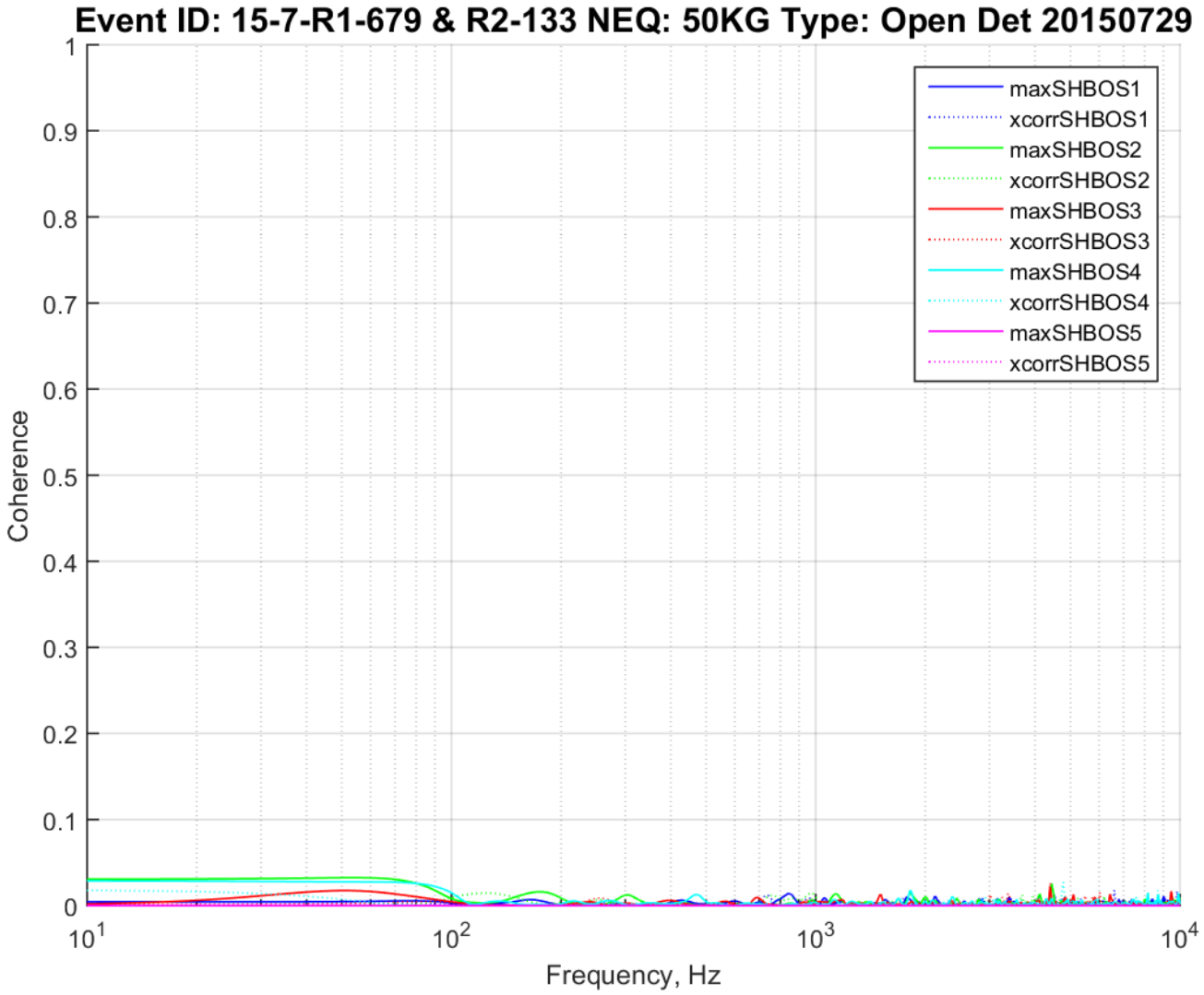


FIGURE 2.383: COHERENCE SHB_OS 1 - 5 15-7-R1-679 & R2-133

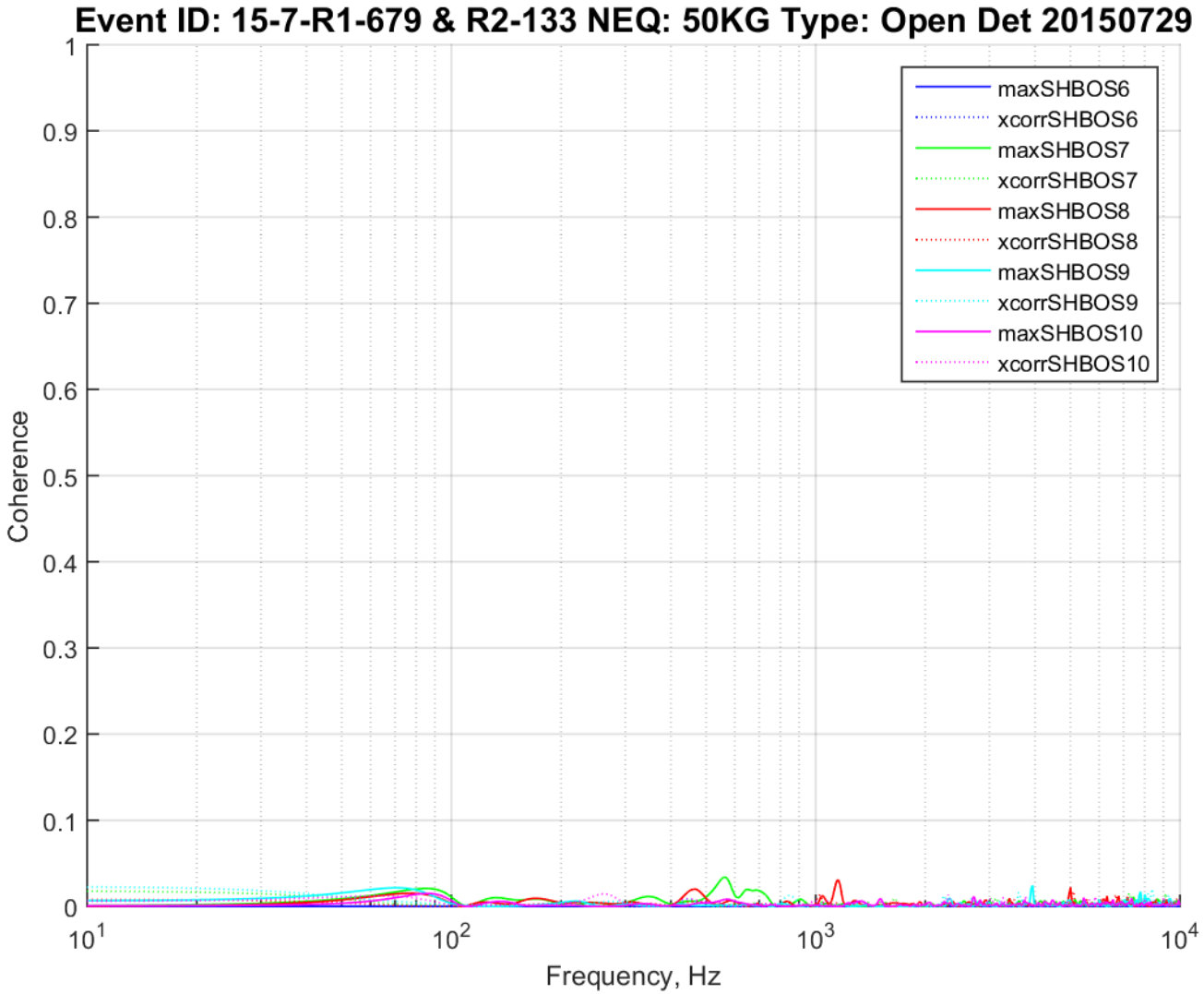


FIGURE 2.384: COHERENCE SHB_OS 6 - 10 15-7-R1-679 & R2-133CTD

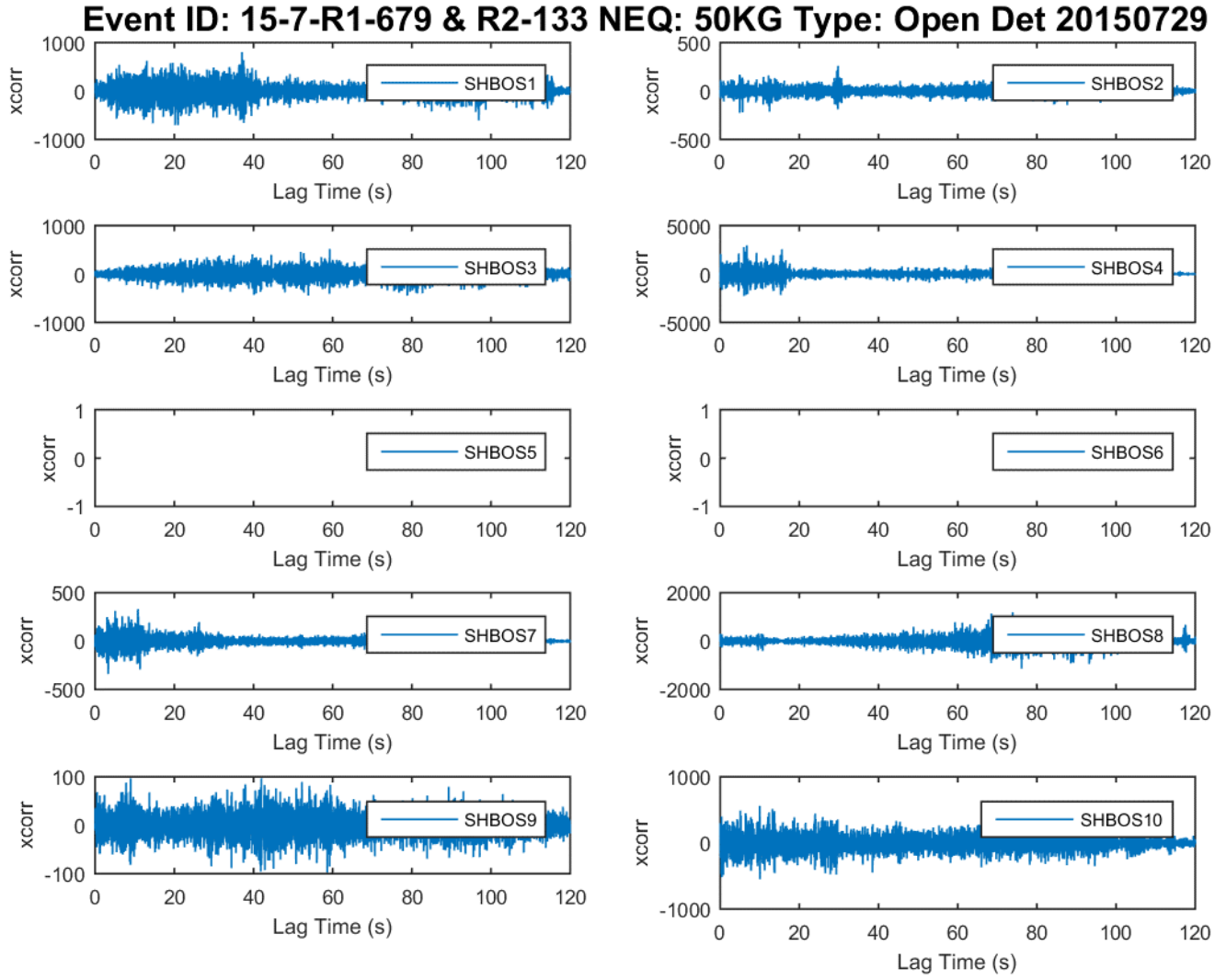


FIGURE 2.385: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-679 & R2-133

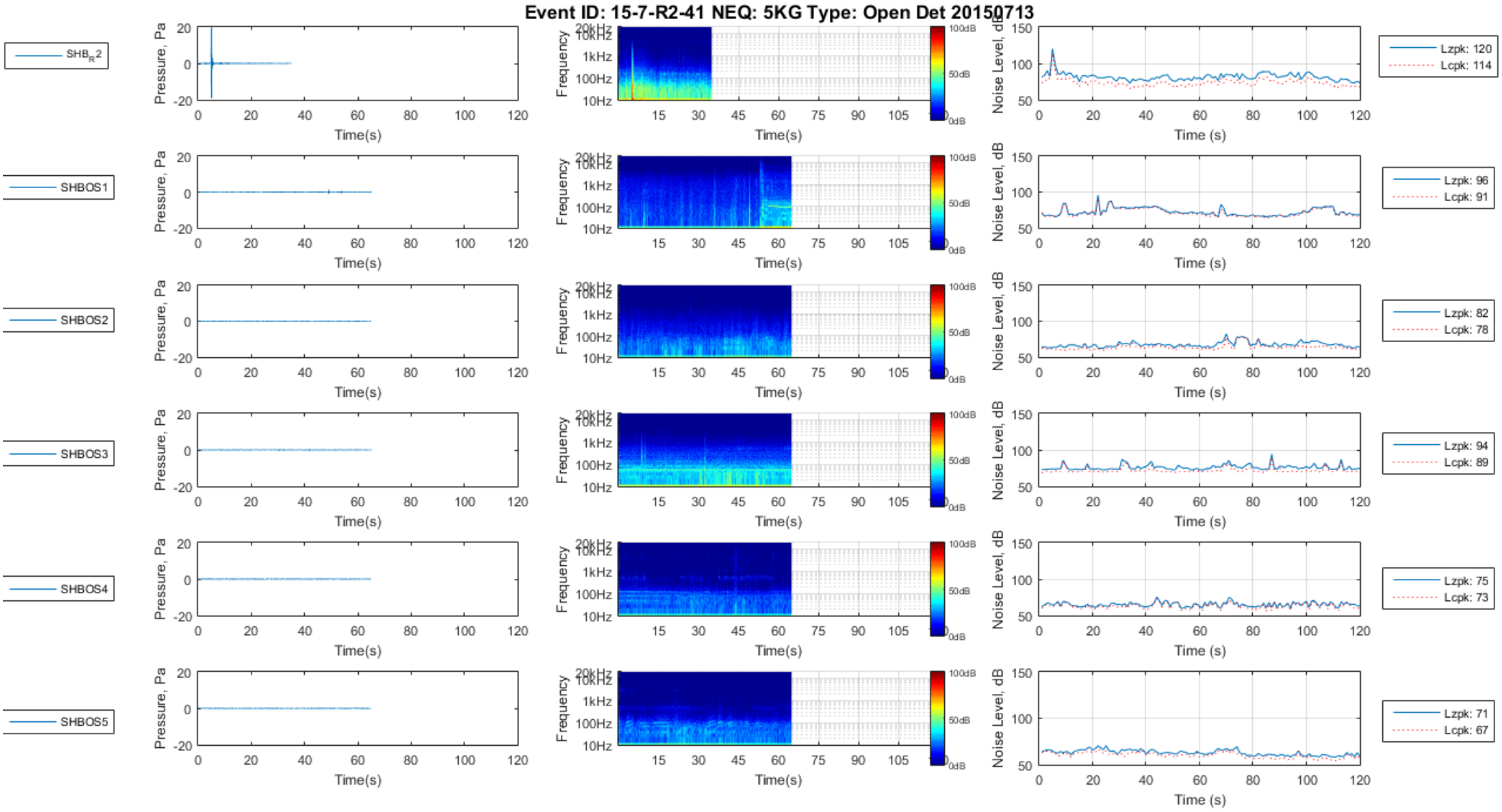


FIGURE 2.386: SHB_OS 1 - 5 15-7-R2-41

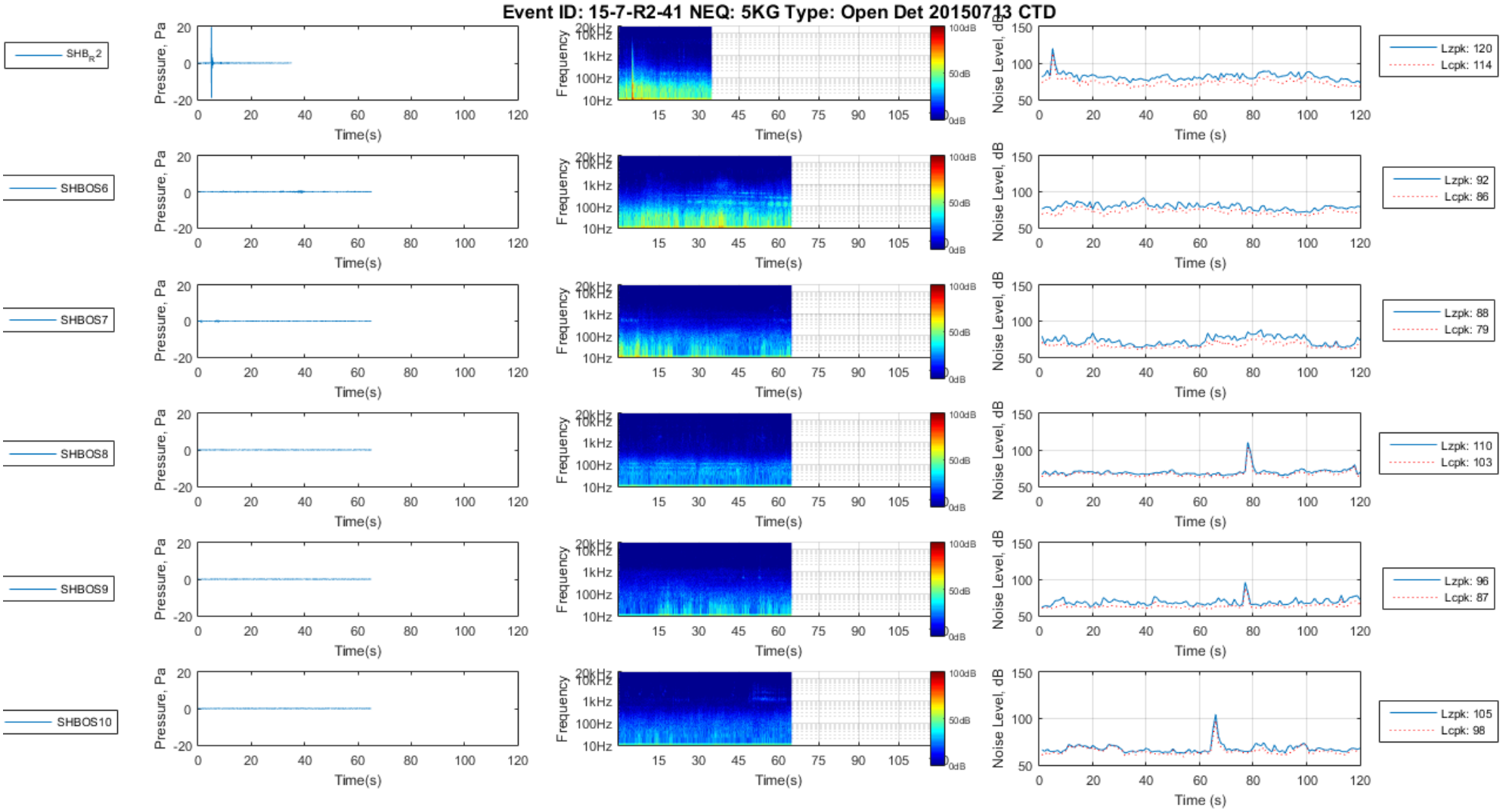


FIGURE 2.387: SHB_OS 6 - 10 15-7-R2-41

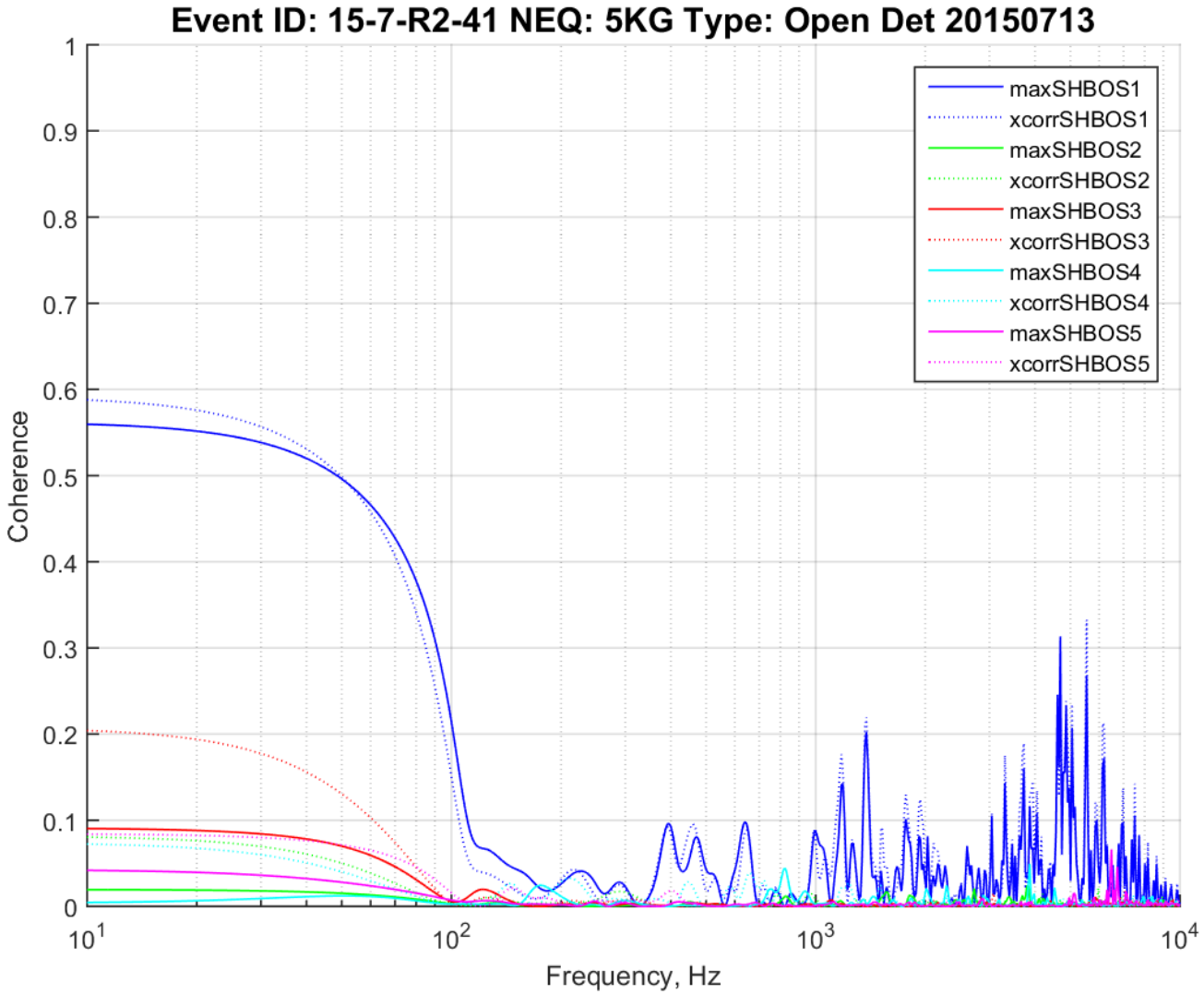


FIGURE 2.388: COHERENCE SHB_OS 1 - 5 15-7-R2-41

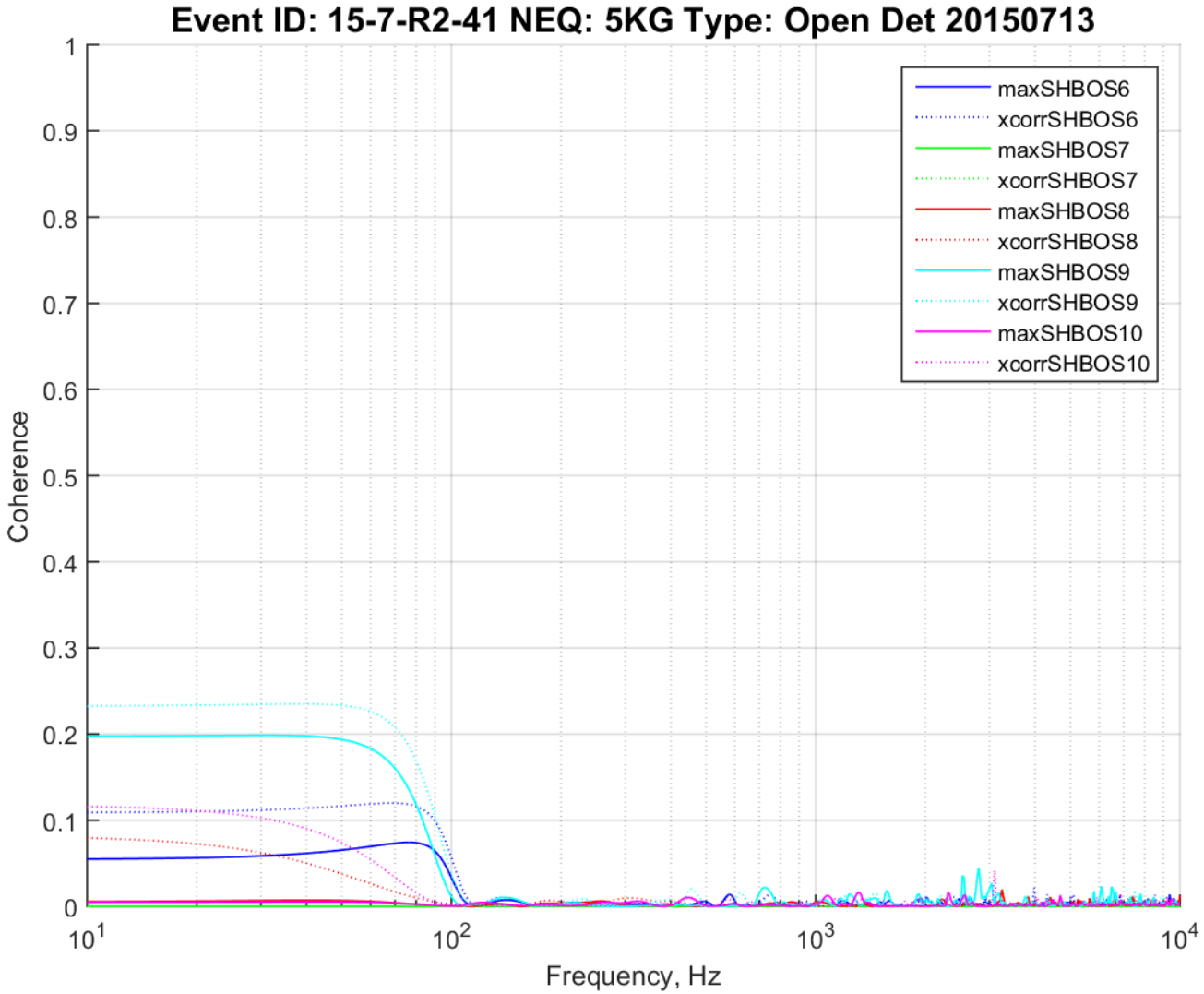


FIGURE 2.389: COHERENCE SHB_OS 6 - 10 15-7-R2-41CTD

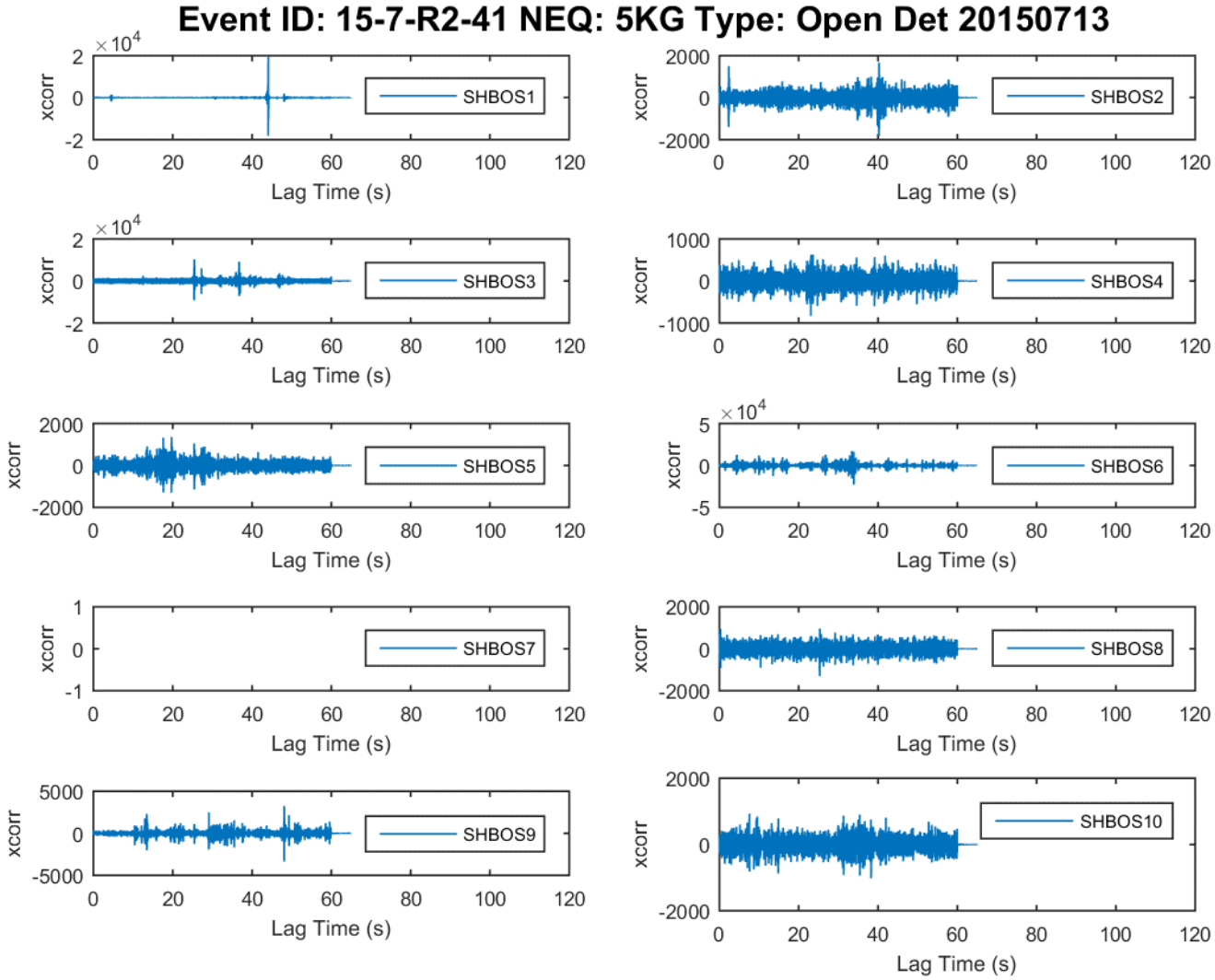


FIGURE 2.390: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-41

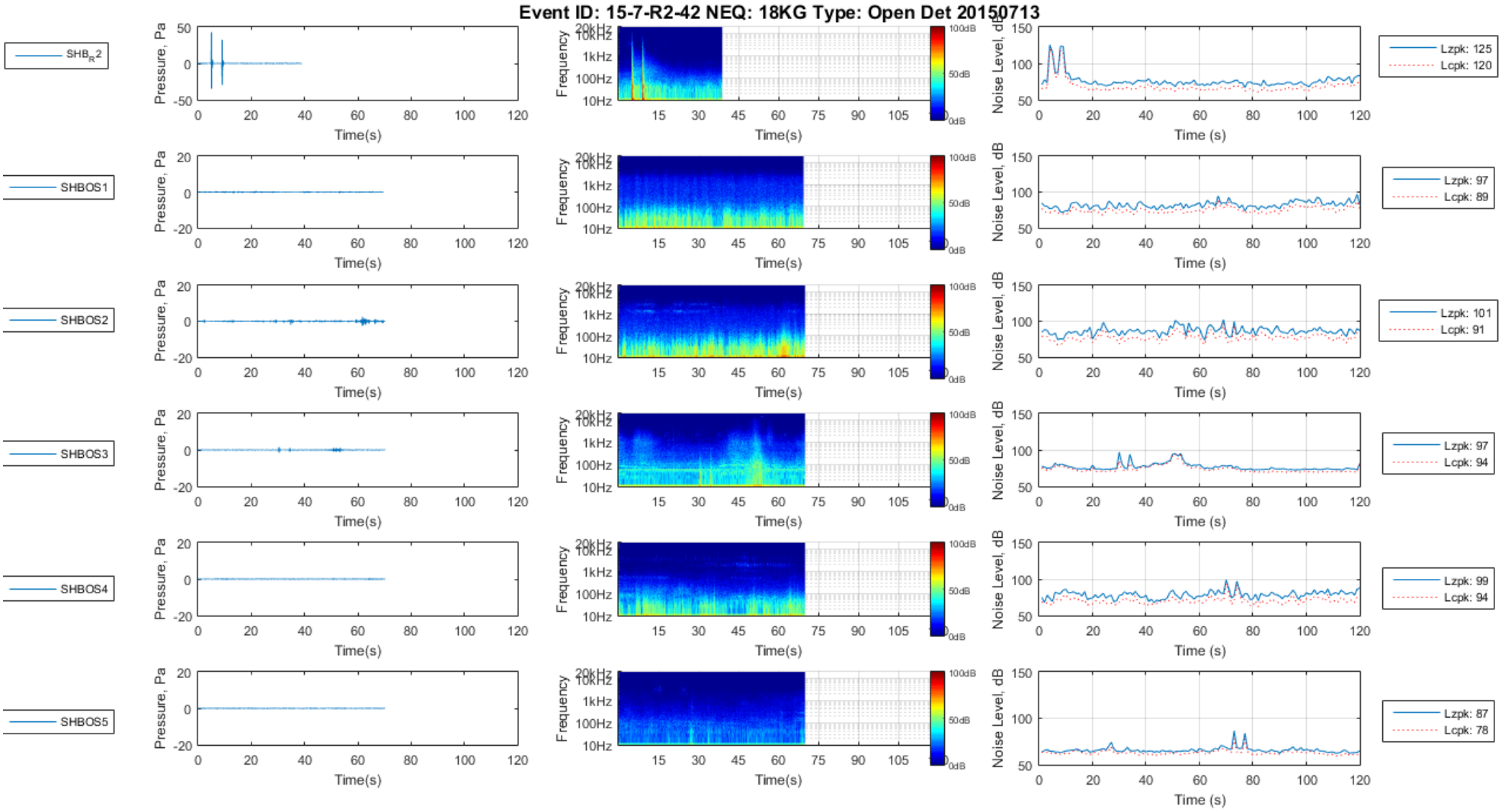


FIGURE 2.391: SHB_OS 1 - 5 15-7-R2-42

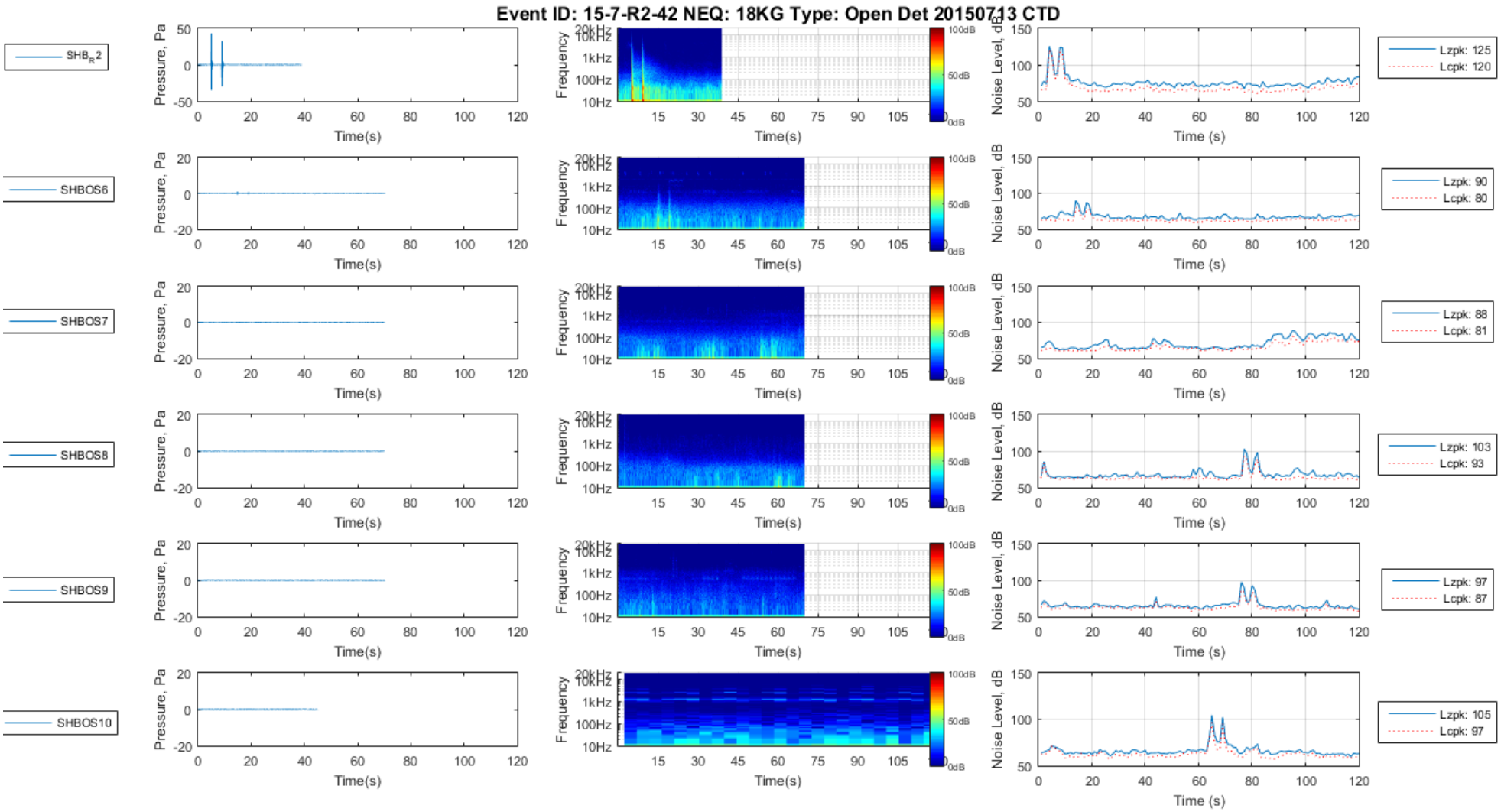


FIGURE 2.392: SHB_OS 6 - 10 15-7-R2-42

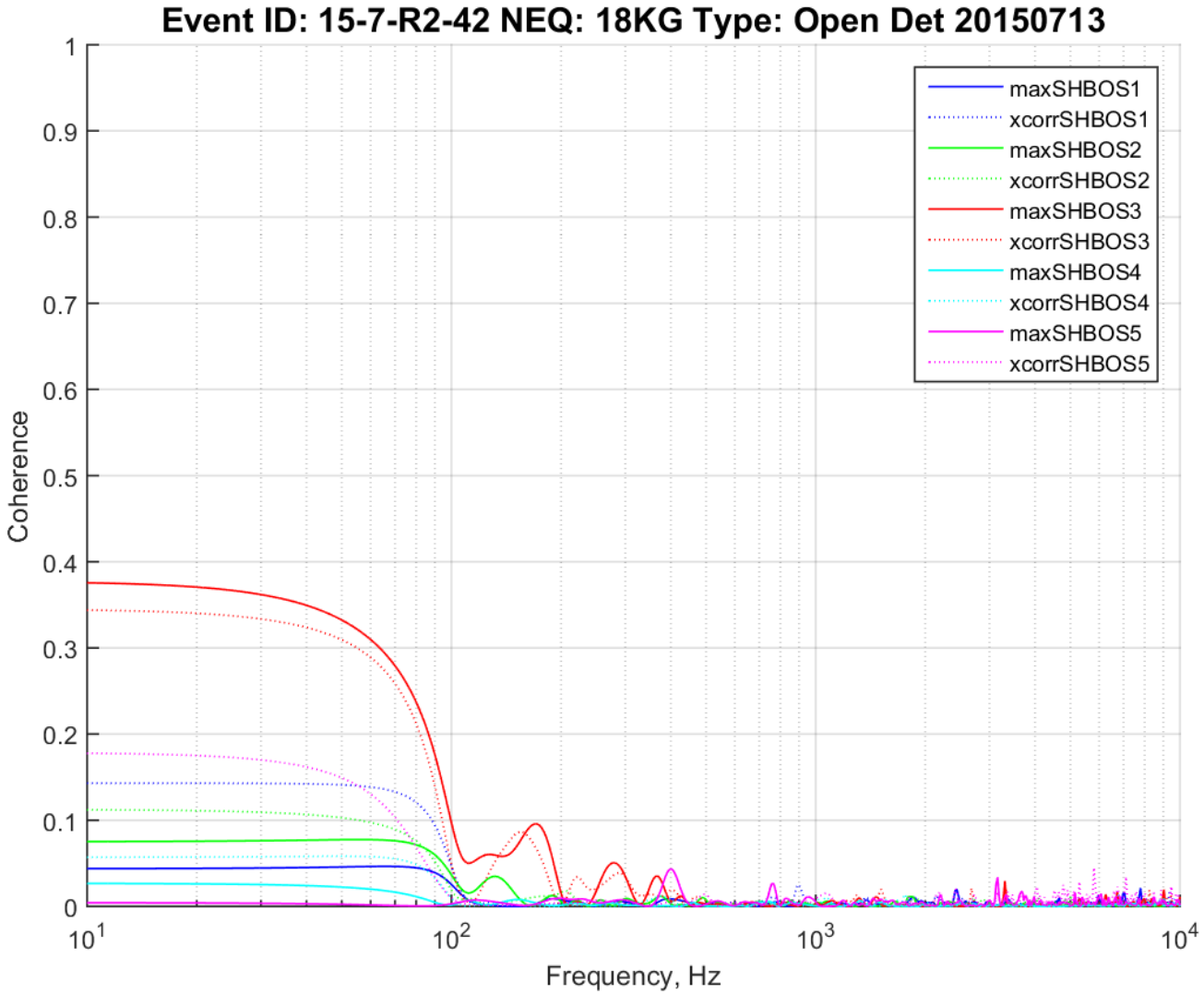


FIGURE 2.393: COHERENCE SHB_OS 1 - 5 15-7-R2-42

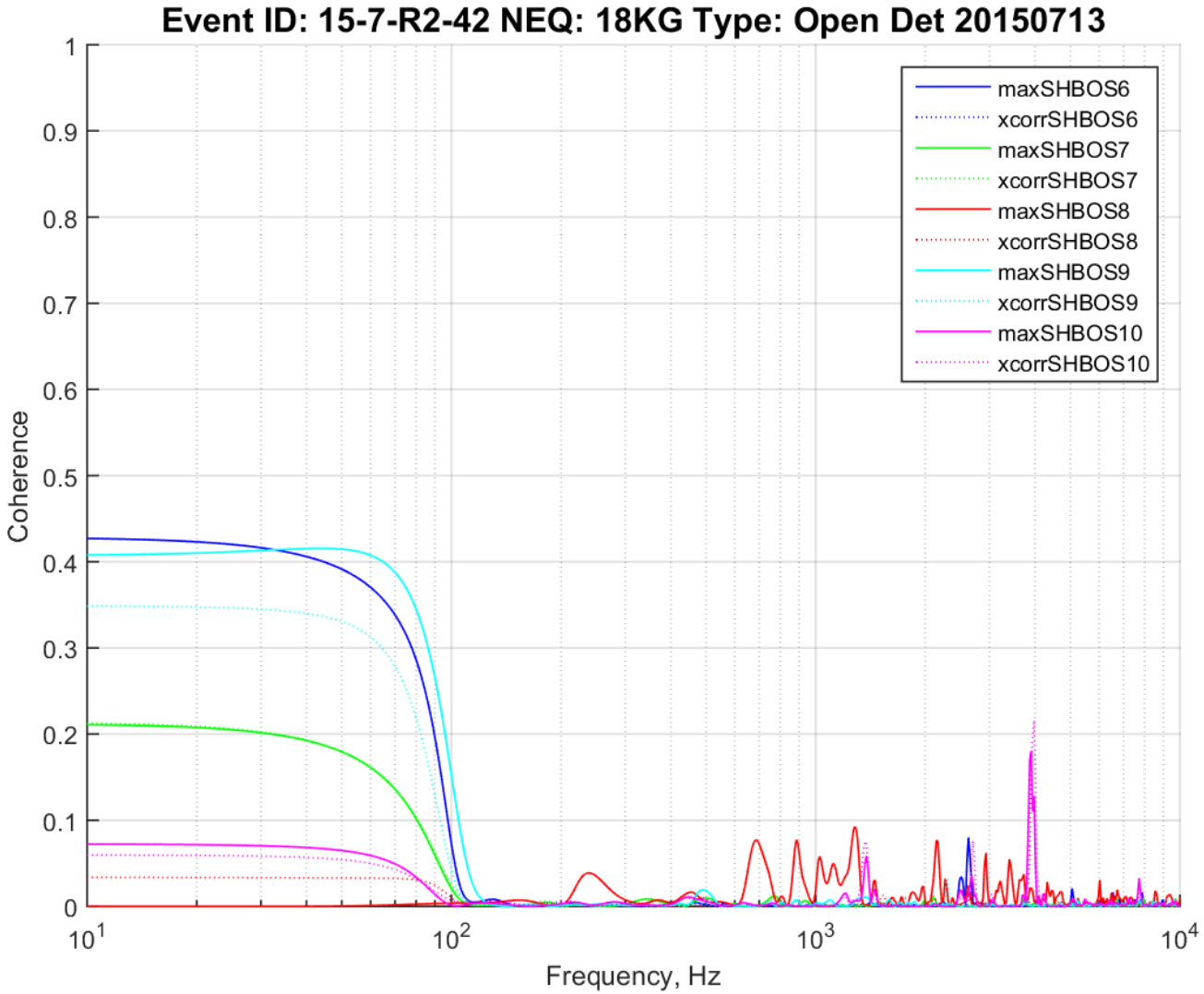


FIGURE 2.394: COHERENCE SHB_OS 6 - 10 15-7-R2-42CTD

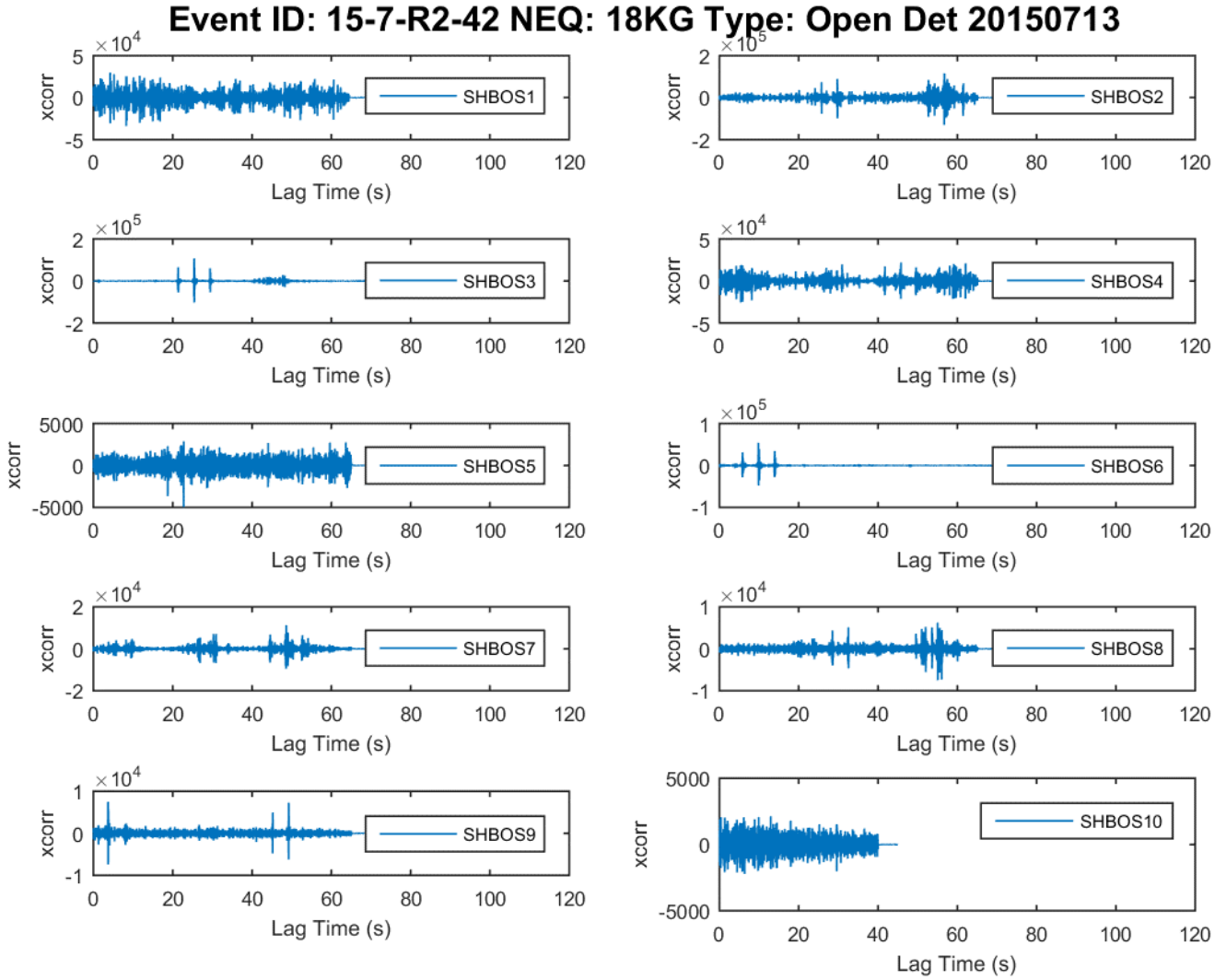


FIGURE 2.395: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-42

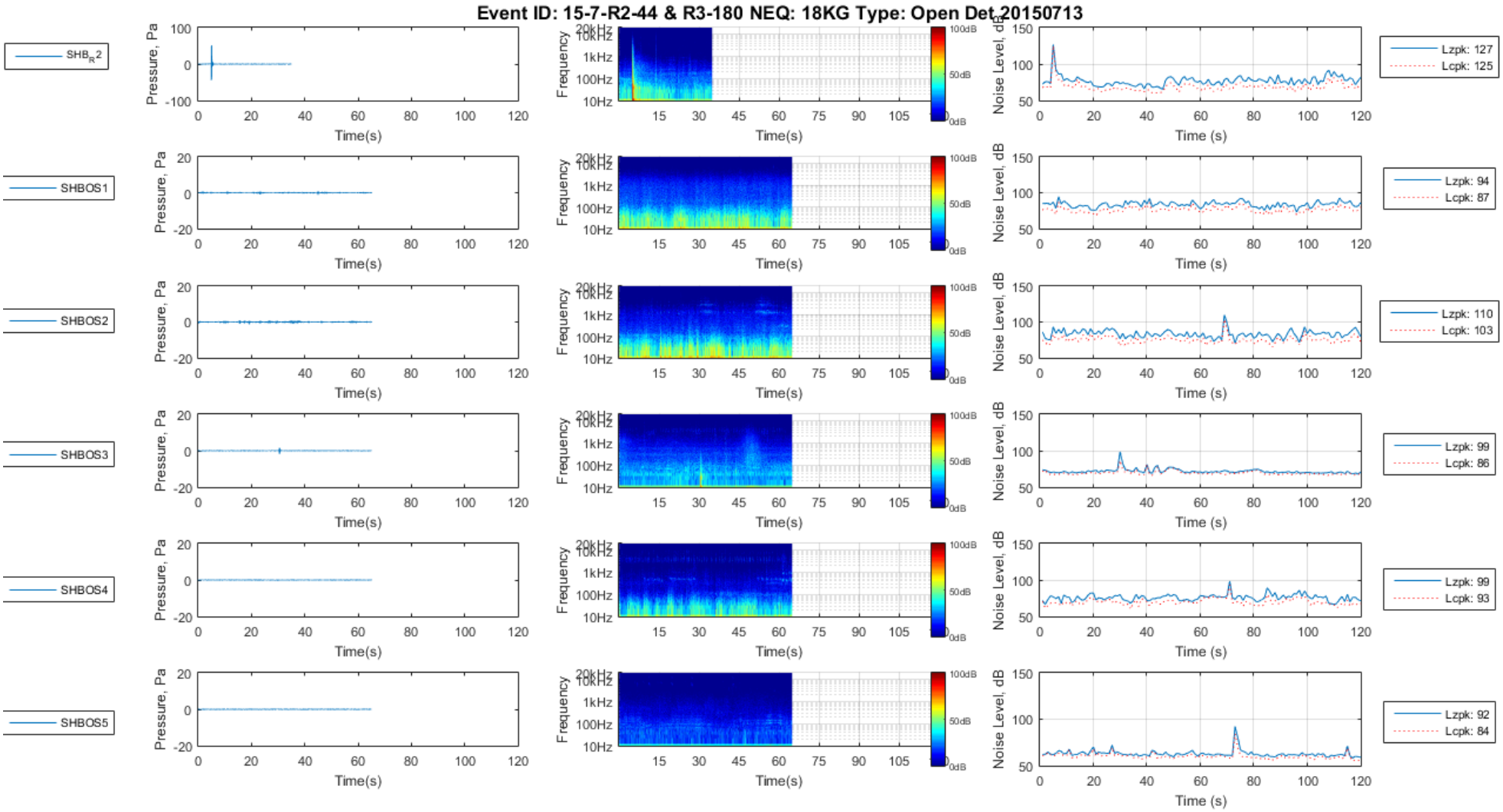


FIGURE 2.396: SHB_OS 1 - 5 15-7-R2-44 & R3-180

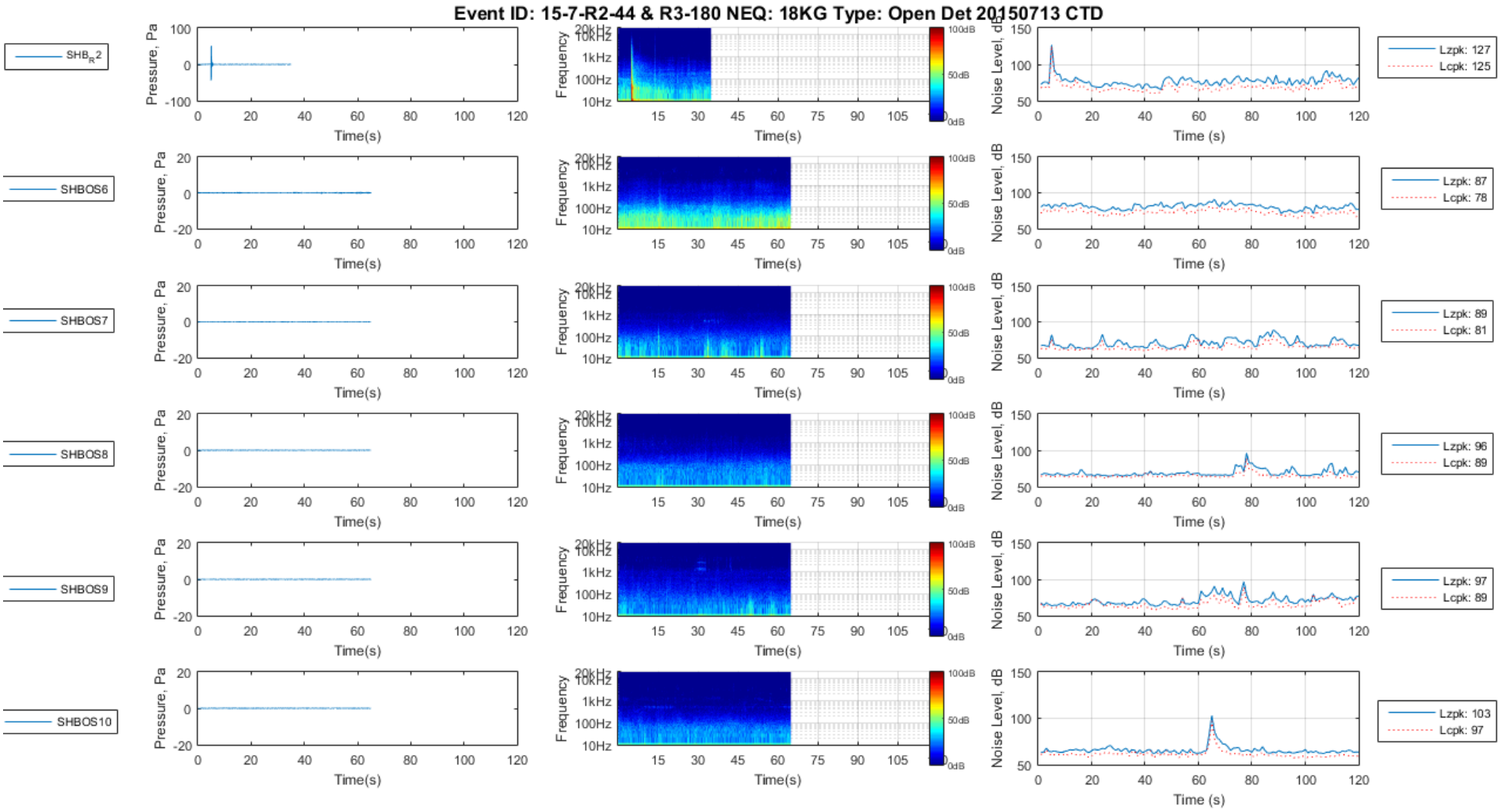


FIGURE 2.397: SHB_OS 6 - 10 15-7-R2-44 & R3-180

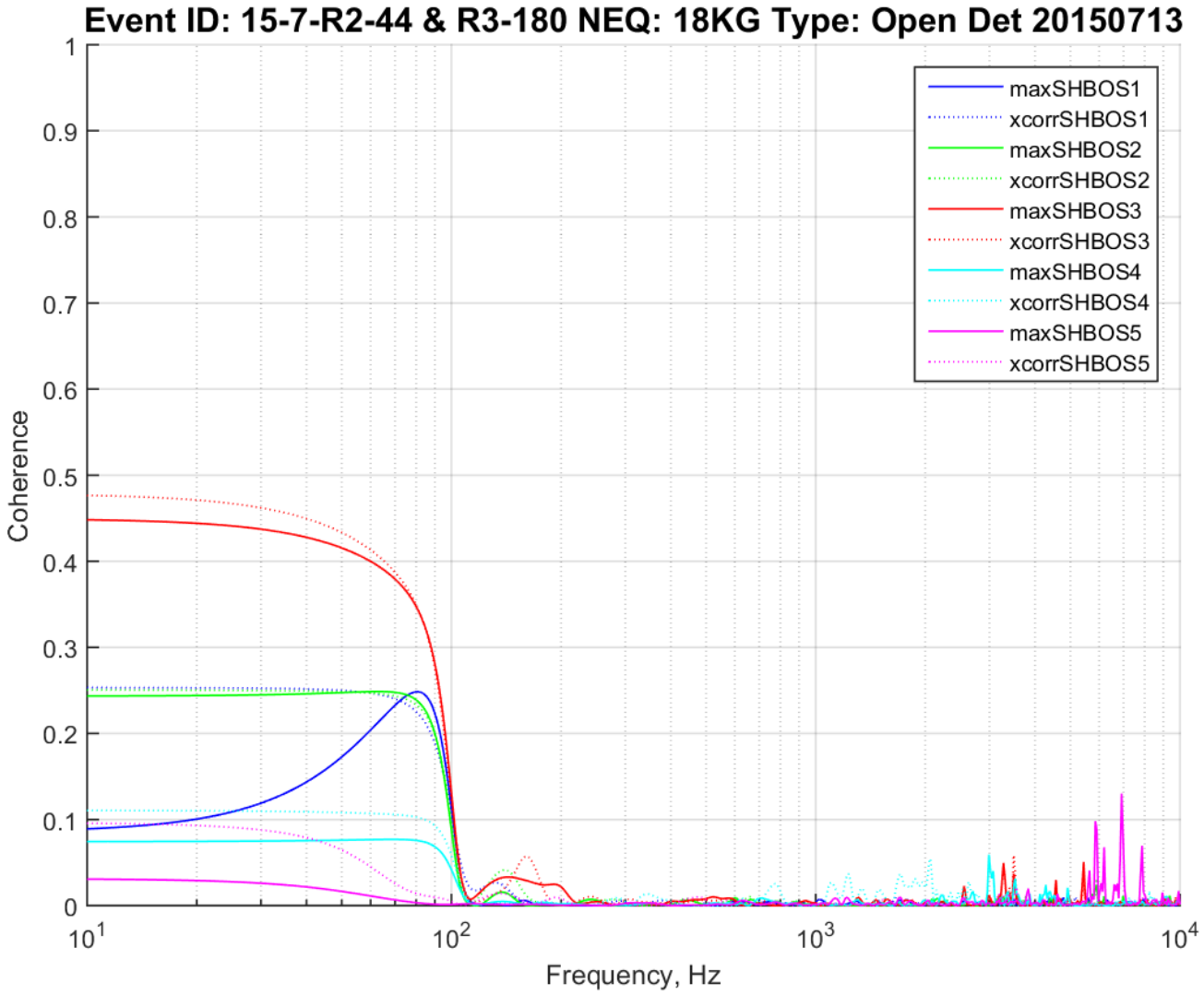


FIGURE 2.398: COHERENCE SHB_OS 1 - 5 15-7-R2-44 & R3-180

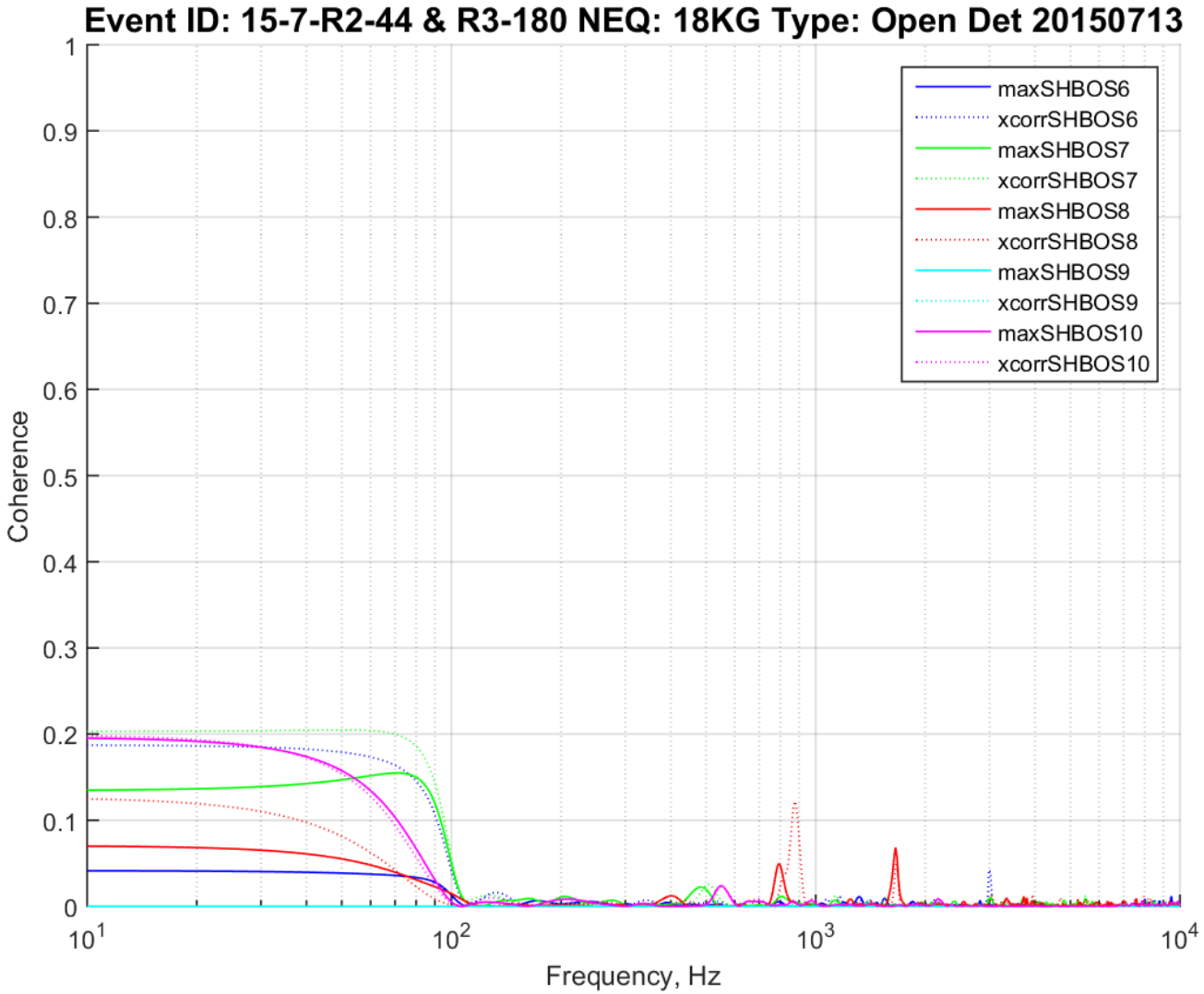


FIGURE 2.399: COHERENCE SHB_OS 6 - 10 15-7-R2-44 & R3-180CTD

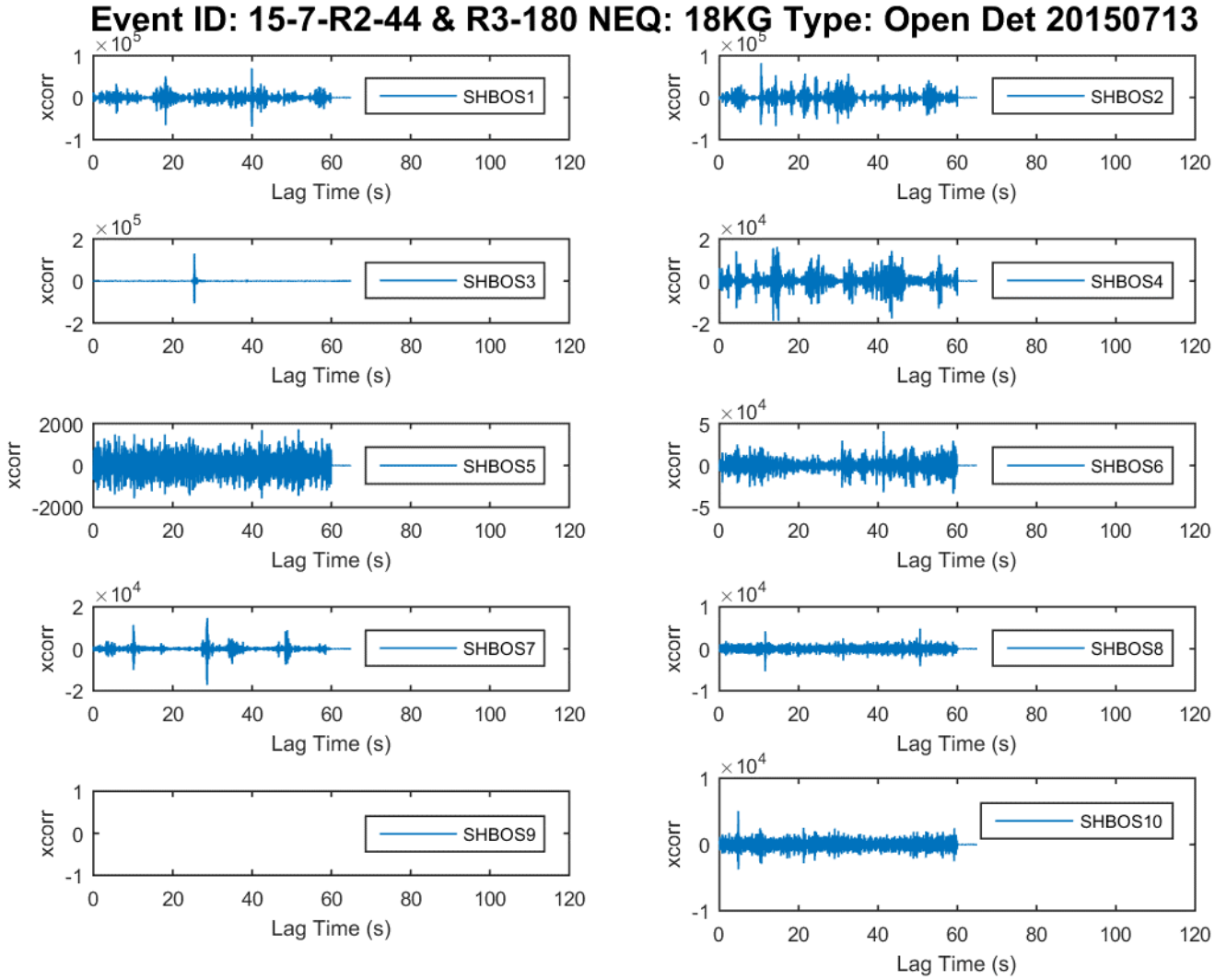


FIGURE 2.400: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-44 & R3-180

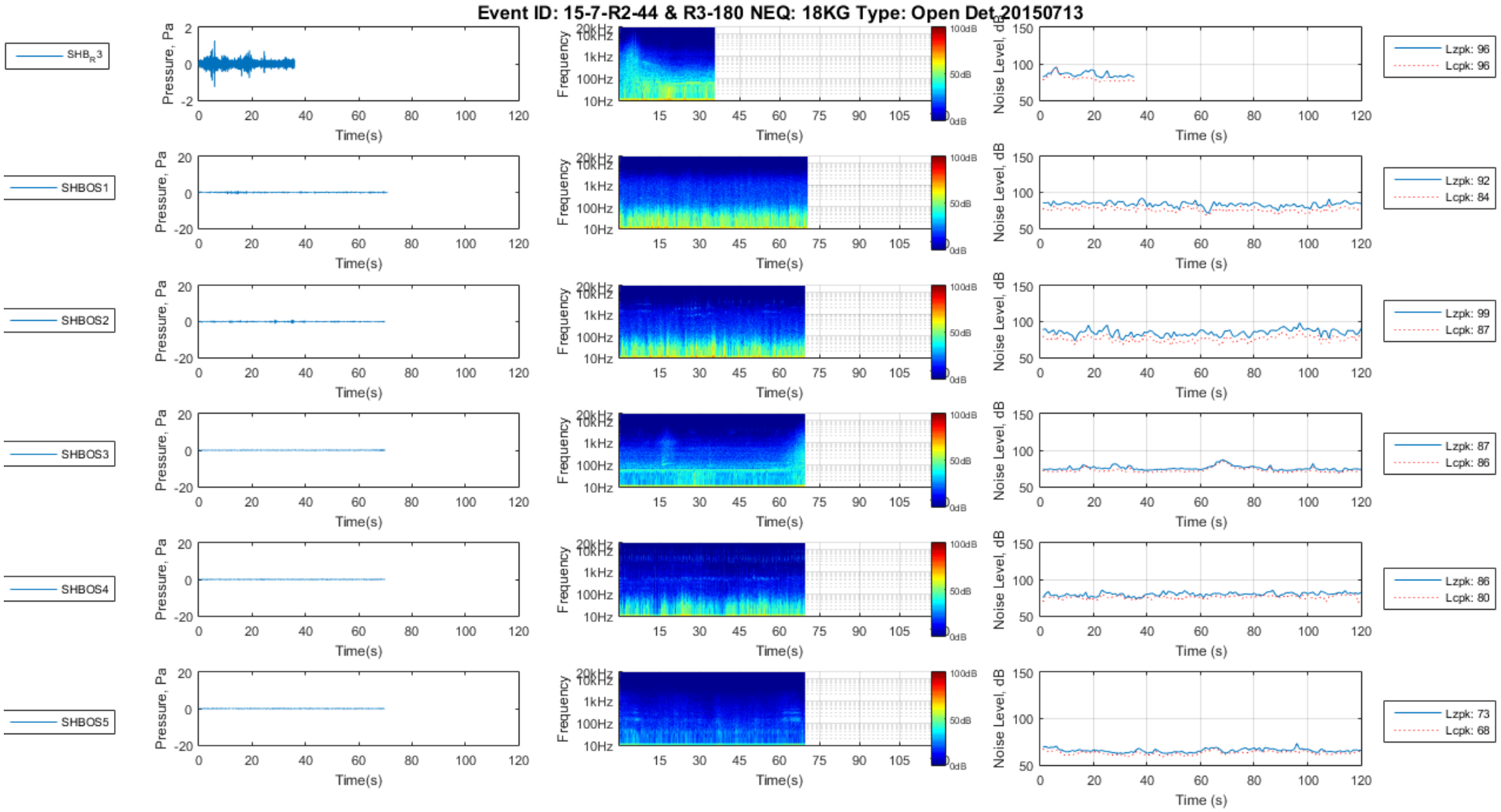


FIGURE 2.401: SHB_OS 1 - 5 15-7-R2-44 & R3-180

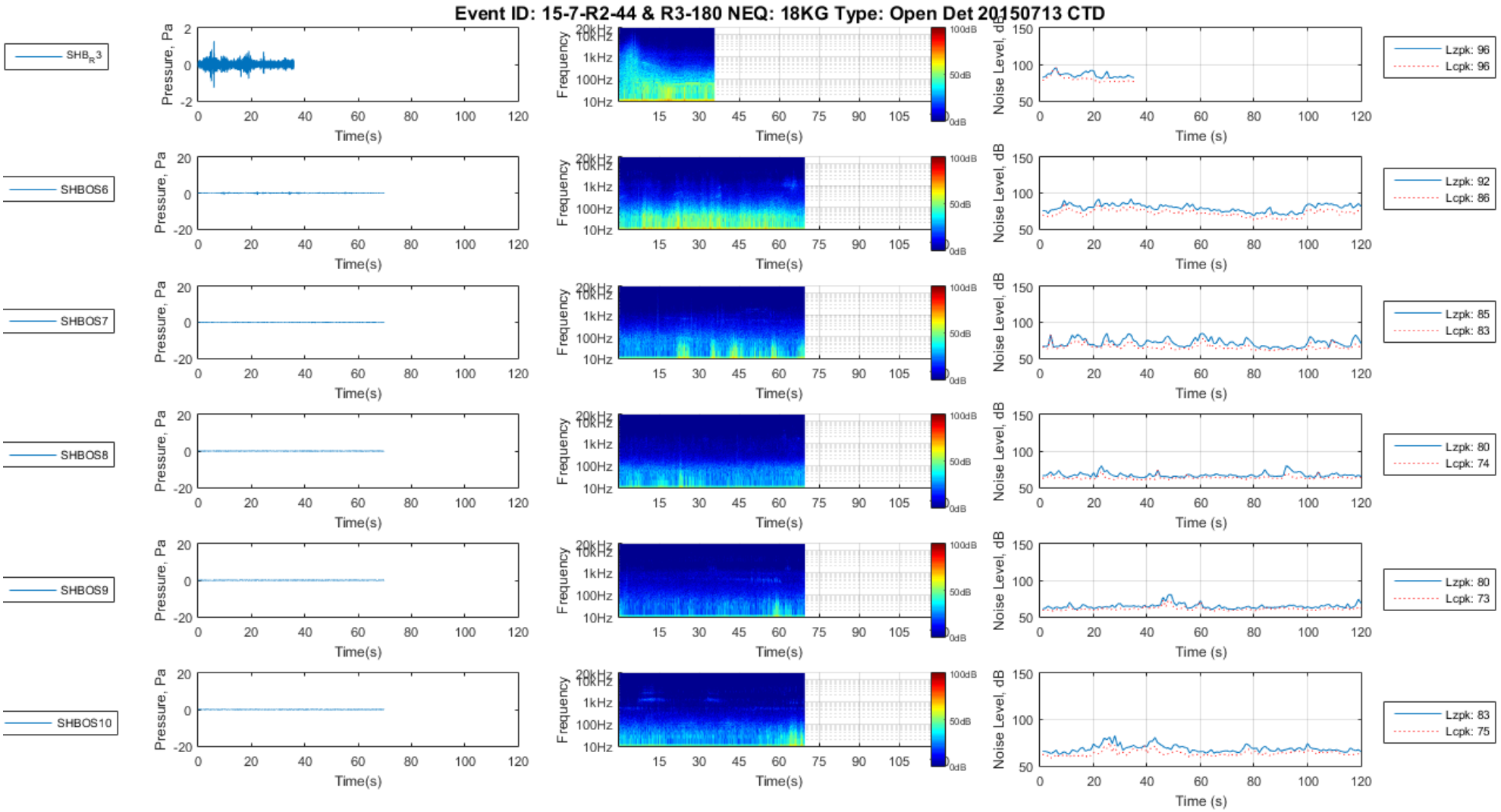


FIGURE 2.402: SHB_OS 6 - 10 15-7-R2-44 & R3-180

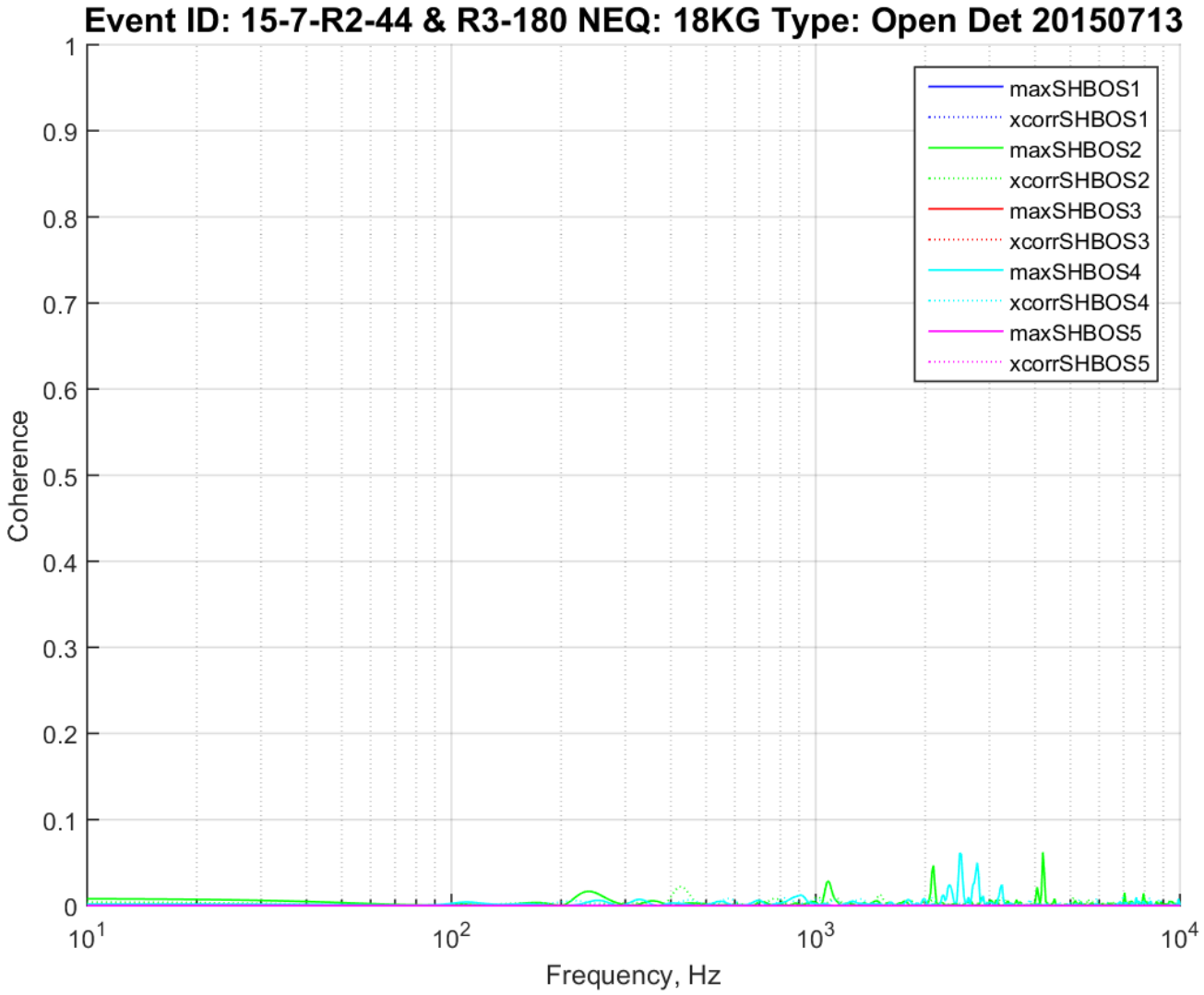


FIGURE 2.403: COHERENCE SHB_OS 1 - 5 15-7-R2-44 & R3-180

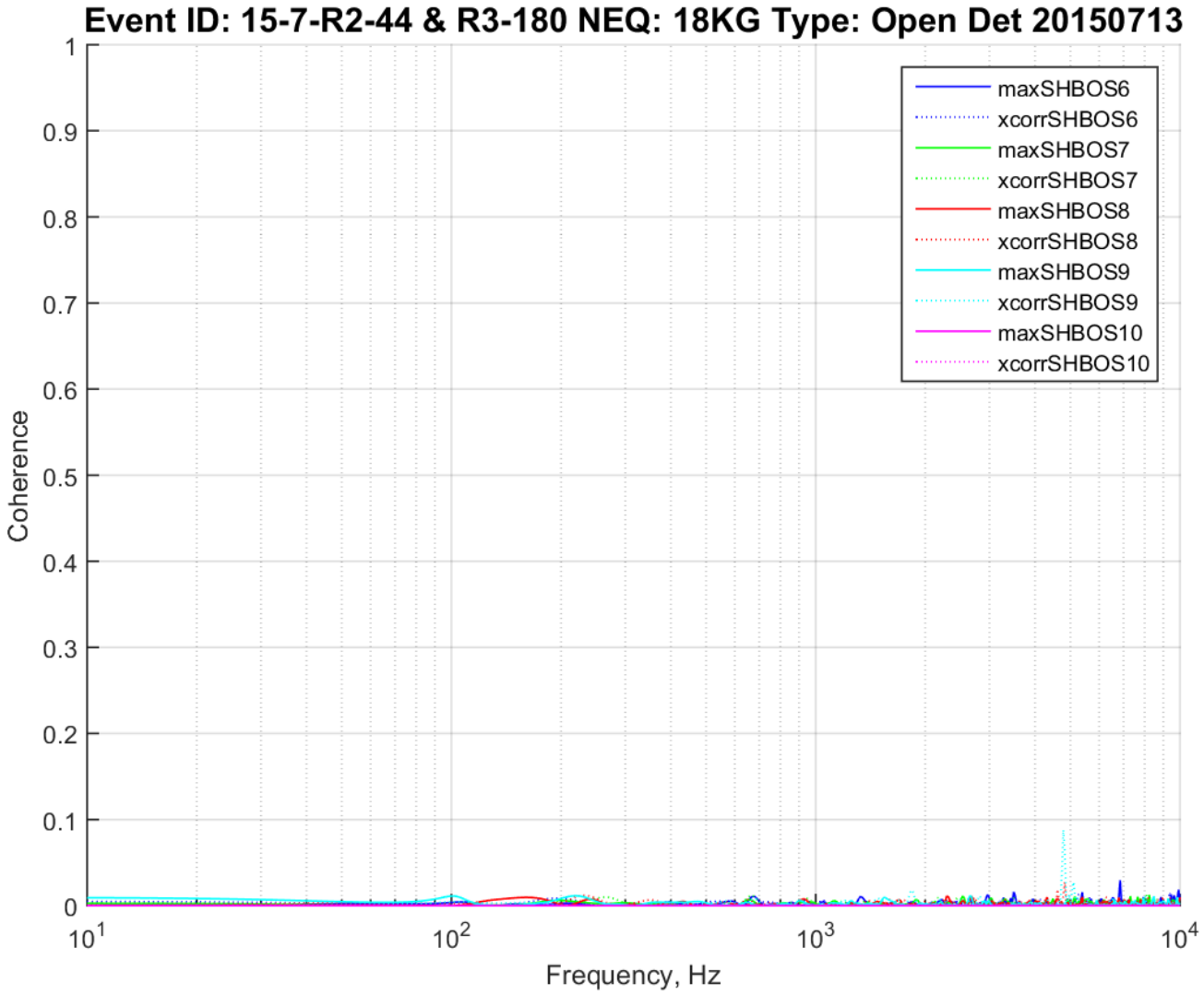


FIGURE 2.404: COHERENCE SHB_OS 6 - 10 15-7-R2-44 & R3-180CTD

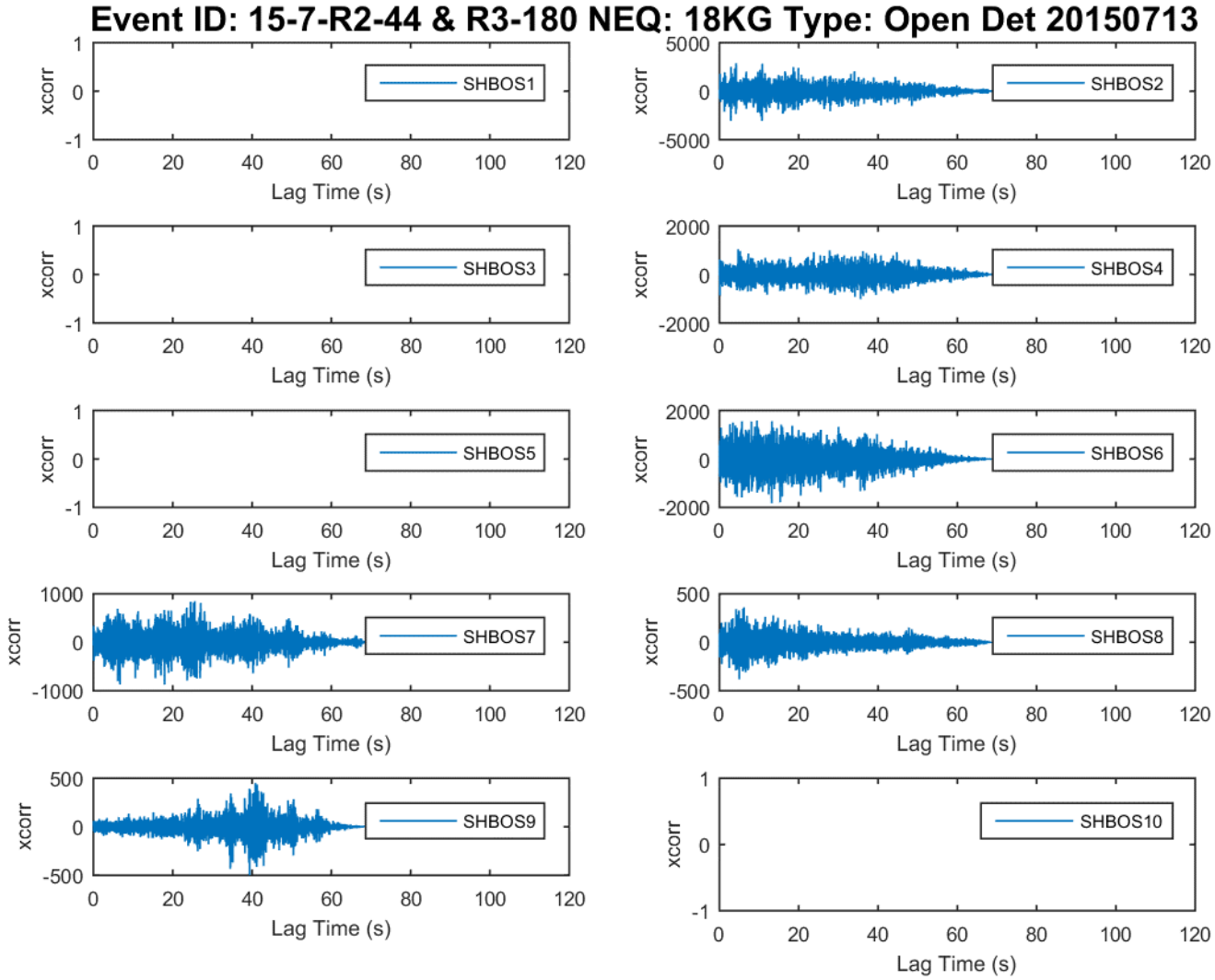


FIGURE 2.405: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-44 & R3-180

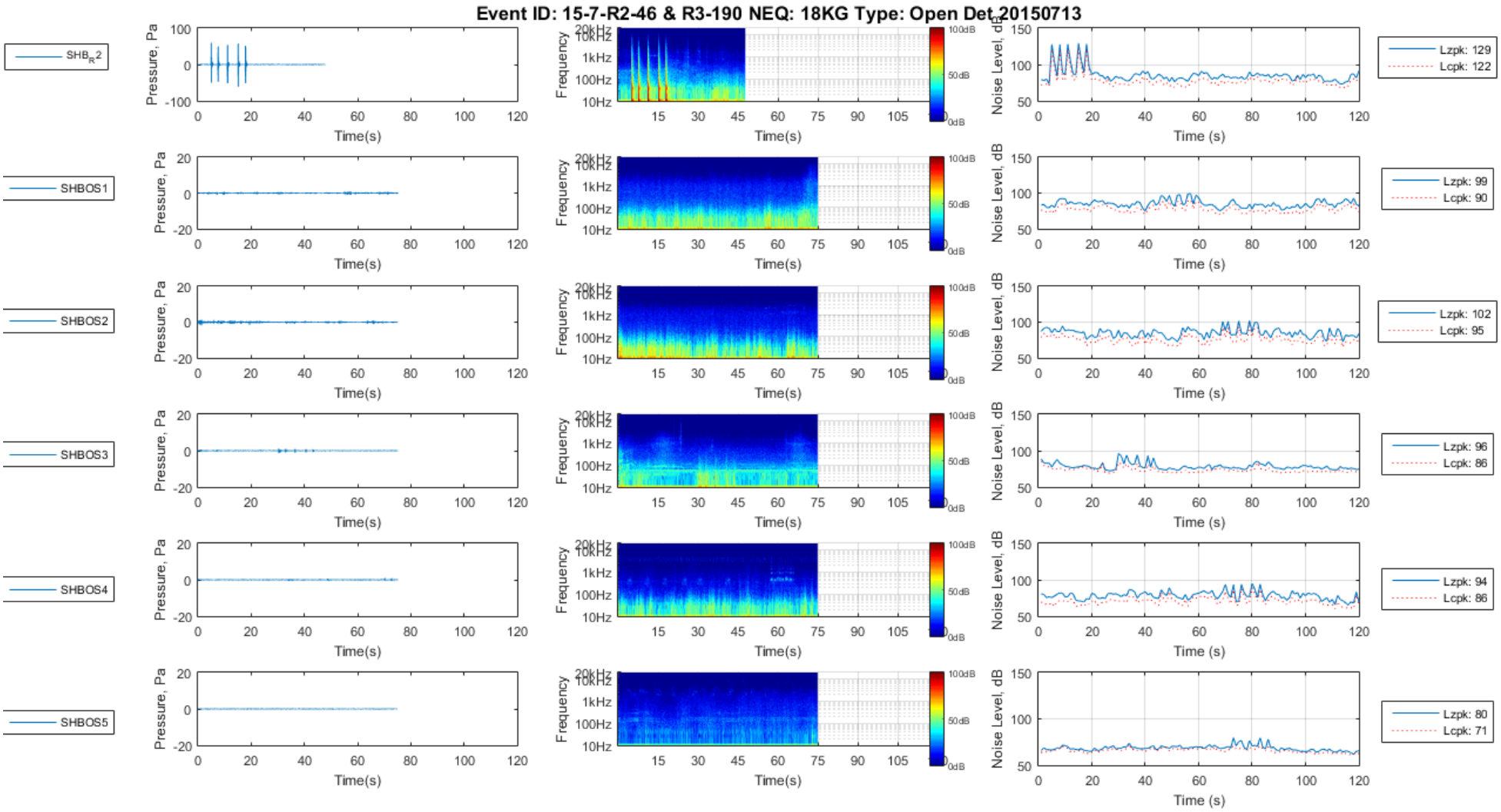


FIGURE 2.406: SHB_OS 1 - 5 15-7-R2-46 & R3-190

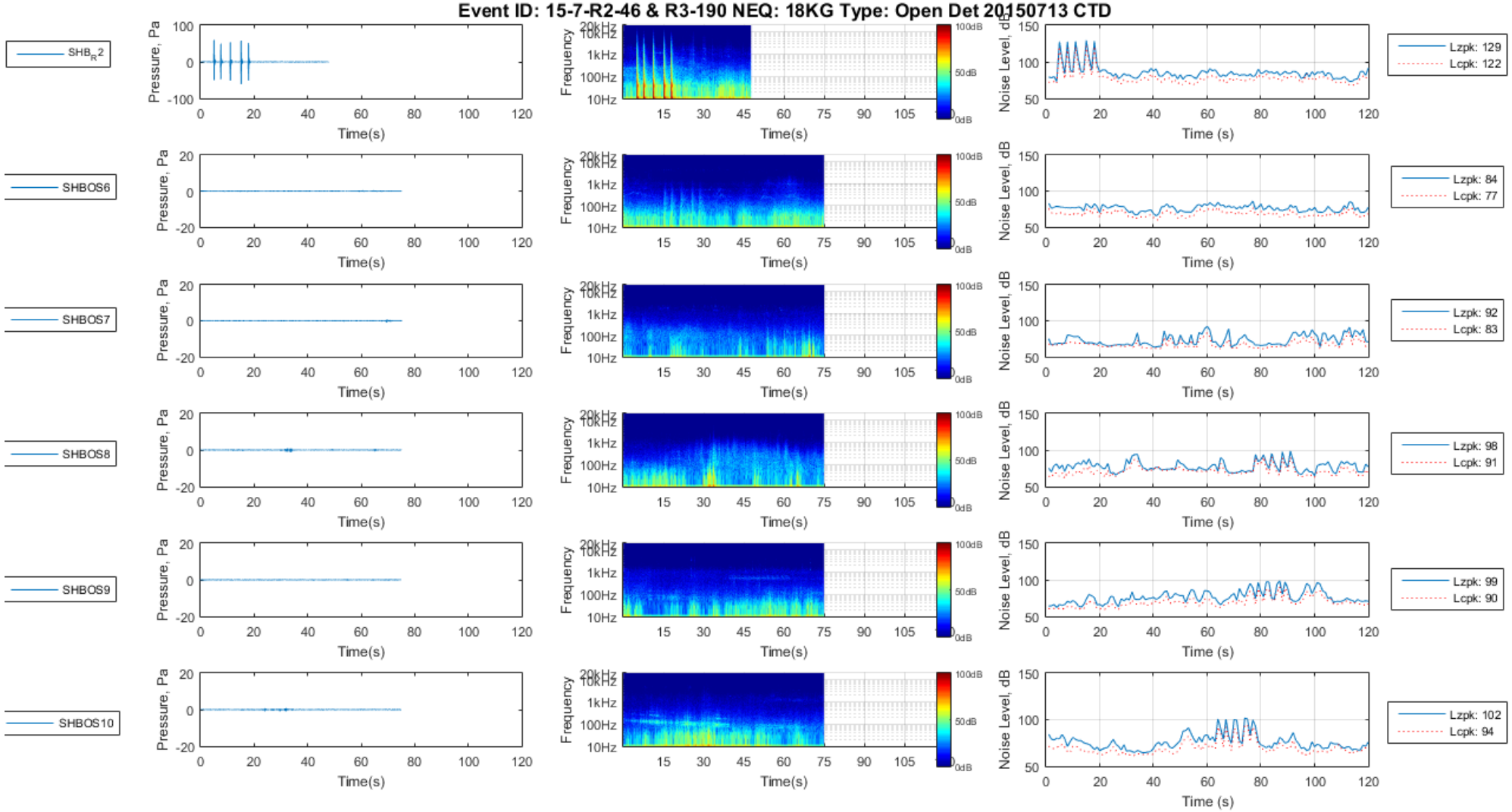


FIGURE 2.407: SHB_OS 6 - 10 15-7-R2-46 & R3-190

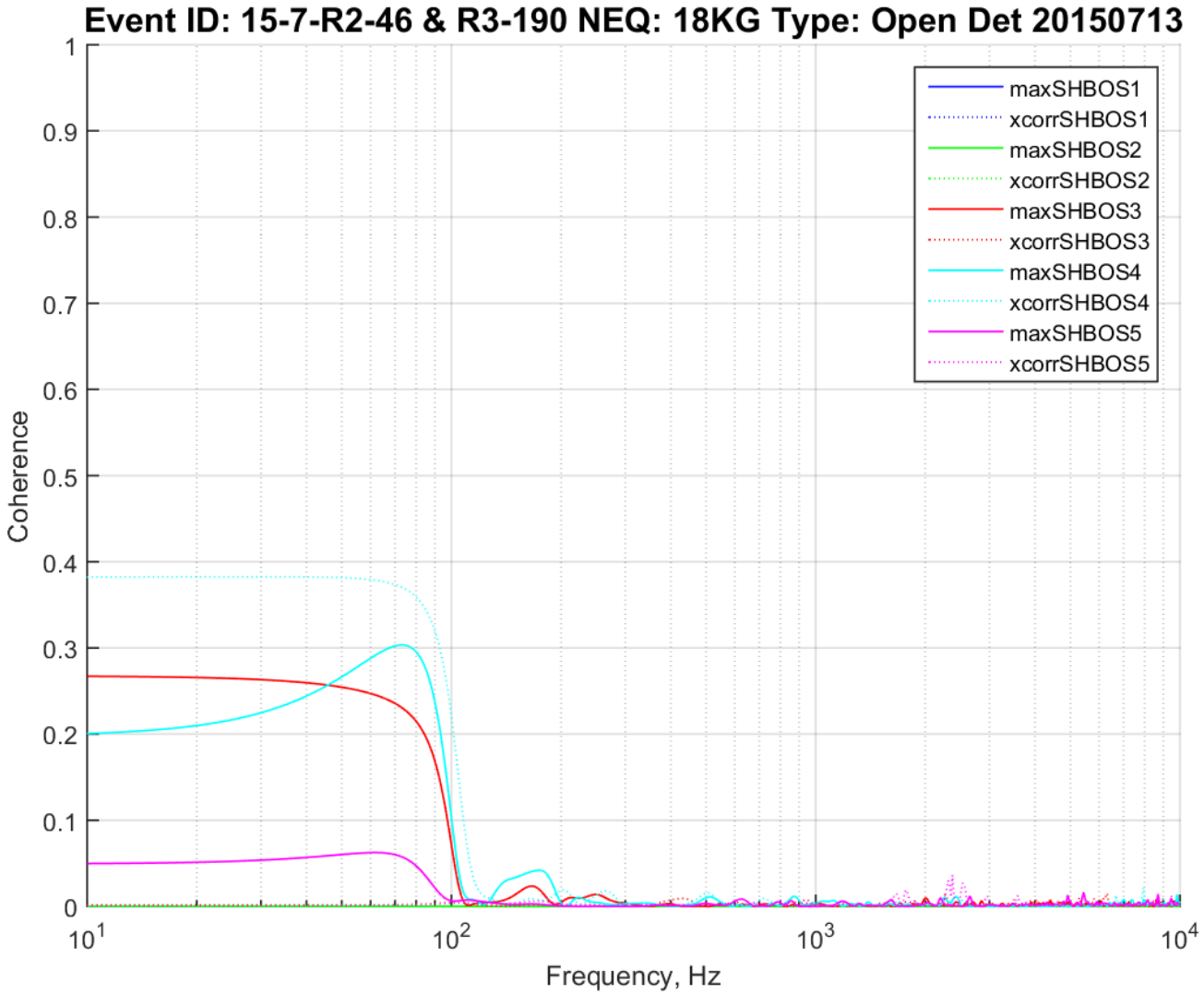


FIGURE 2.408: COHERENCE SHB_OS 1 - 5 15-7-R2-46 & R3-190

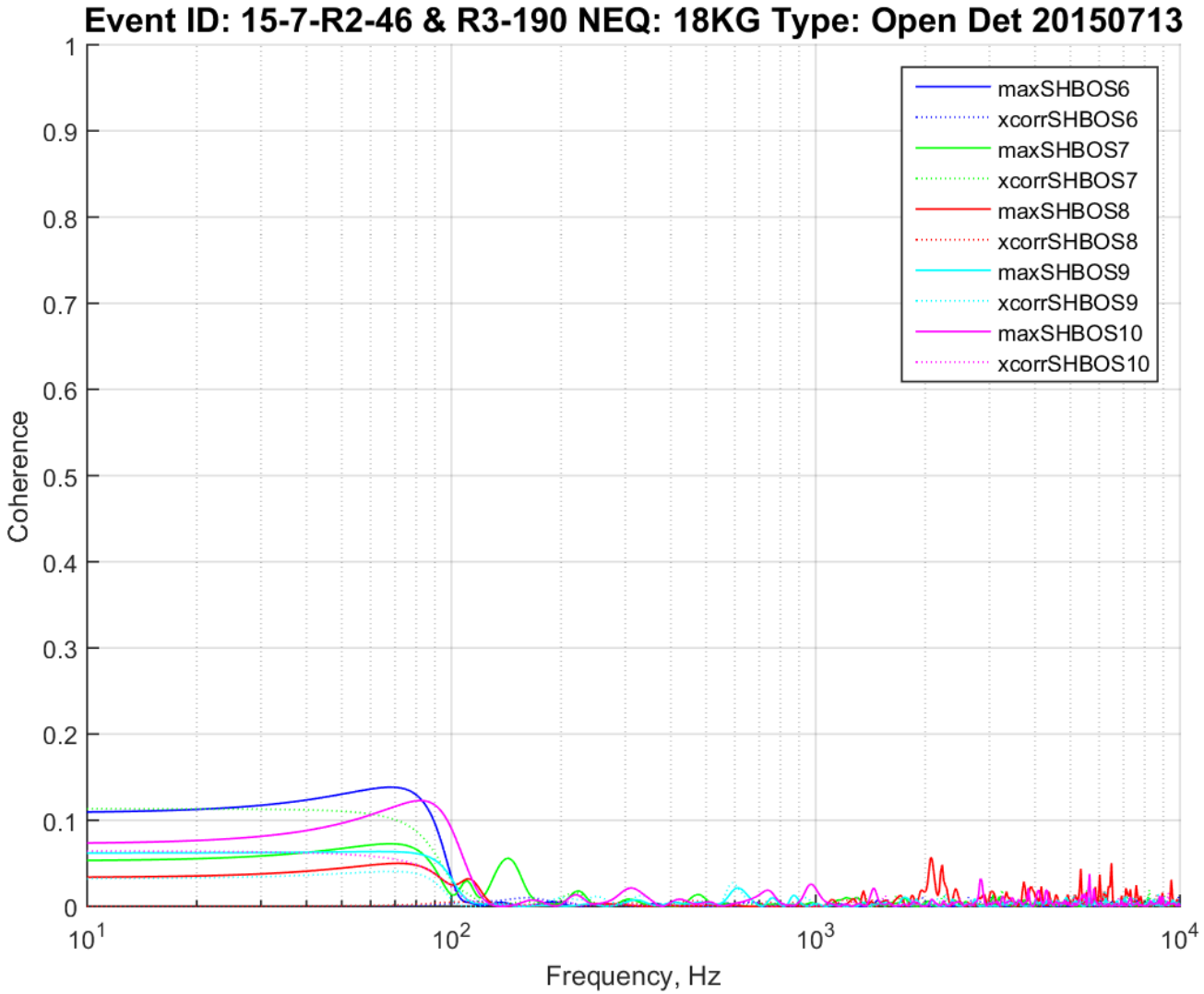


FIGURE 2.409: COHERENCE SHB_OS 6 - 10 15-7-R2-46 & R3-190CTD

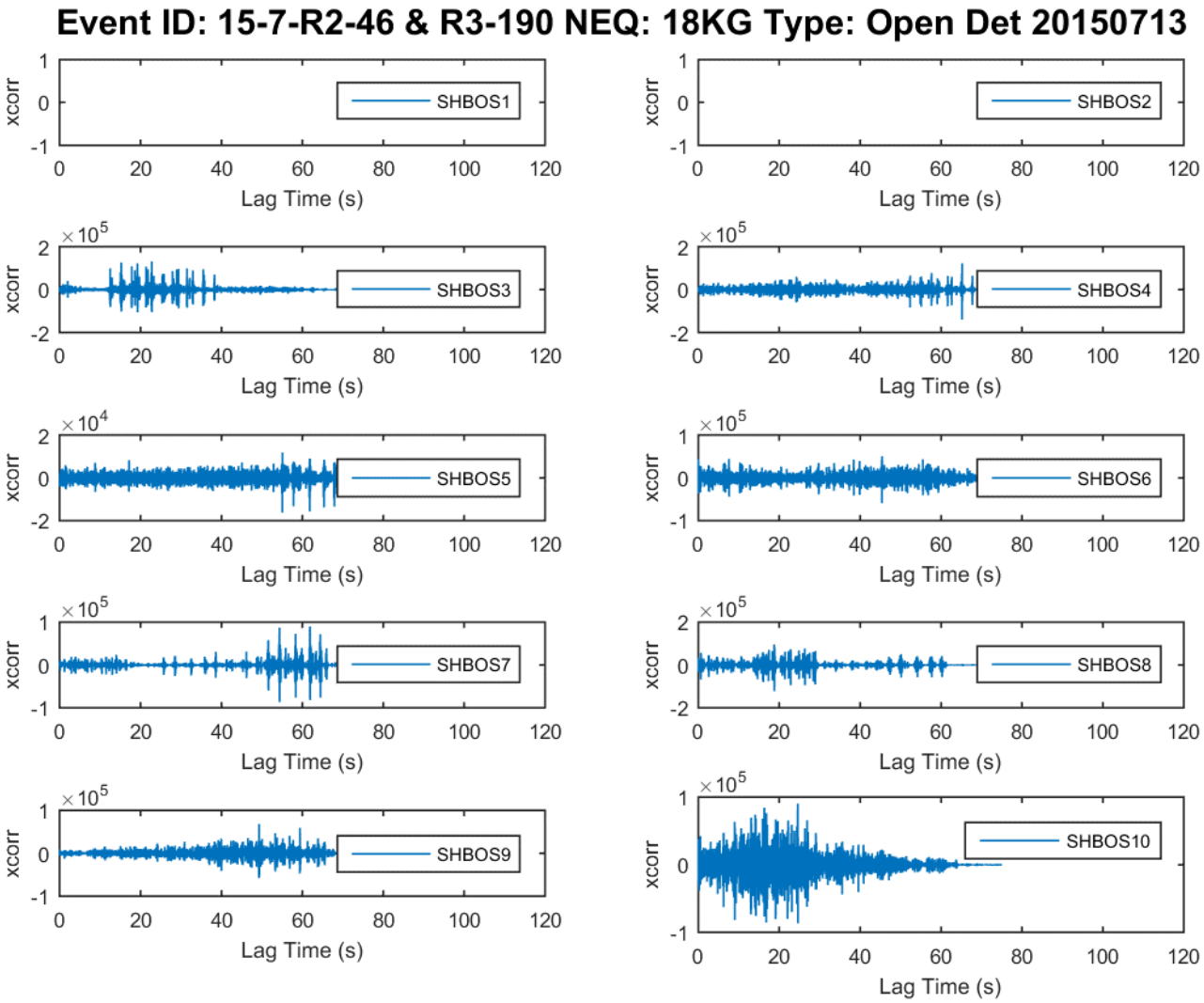


FIGURE 2.410: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-46 & R3-190

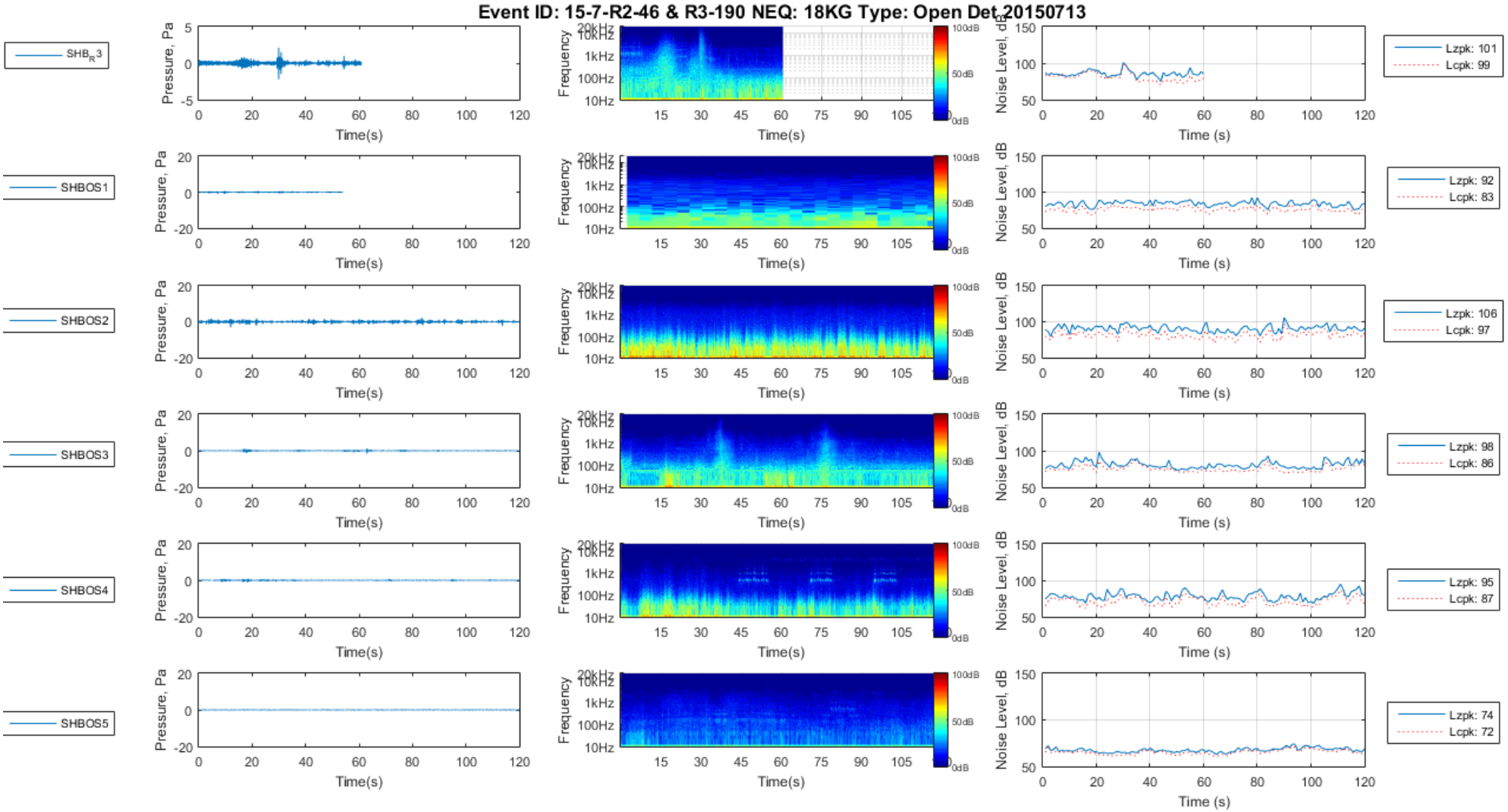


FIGURE 2.411: SHB_OS 1 - 5 15-7-R2-46 & R3-190

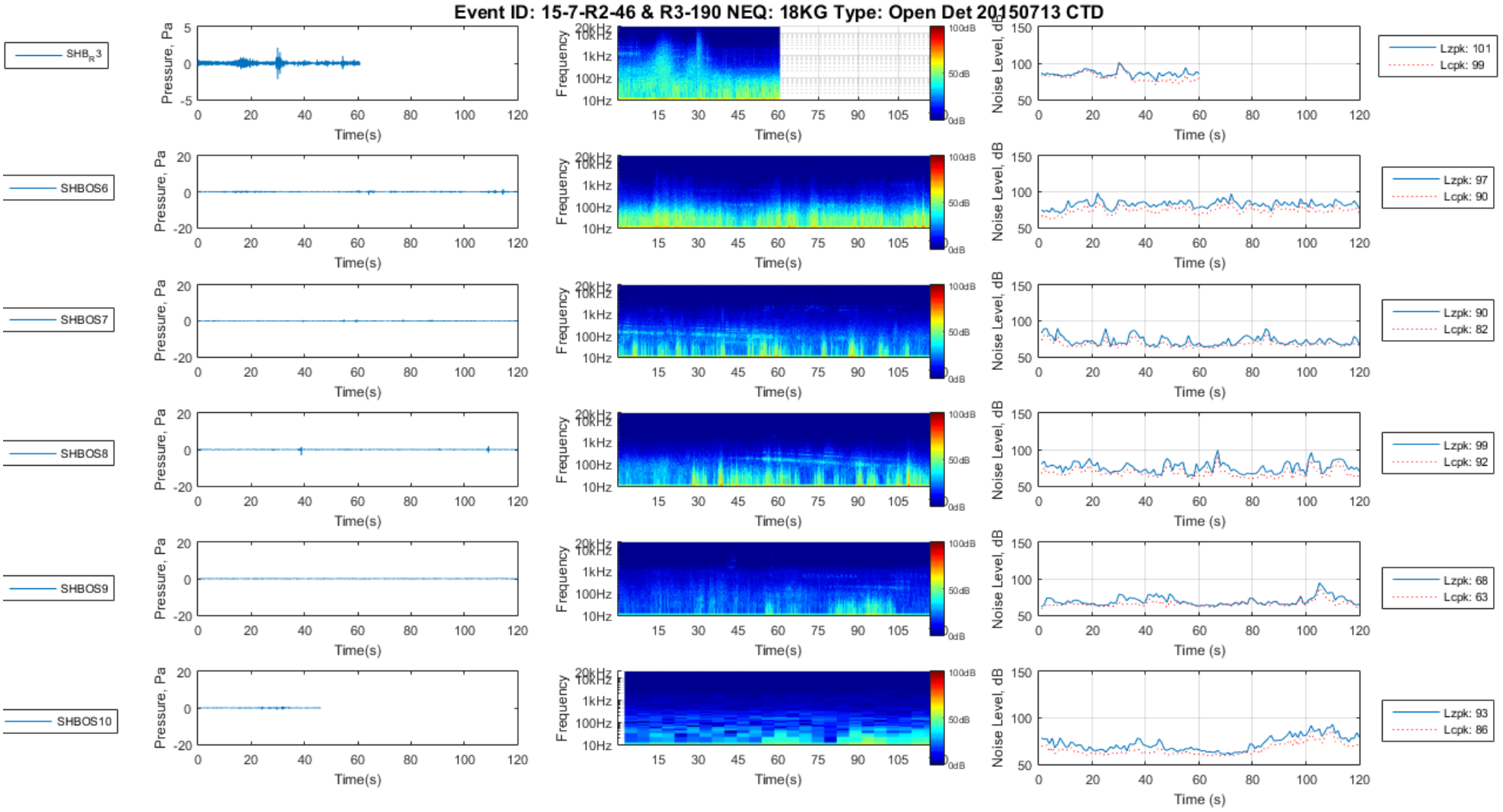


FIGURE 2.412: SHB_OS 6 - 10 15-7-R2-46 & R3-190

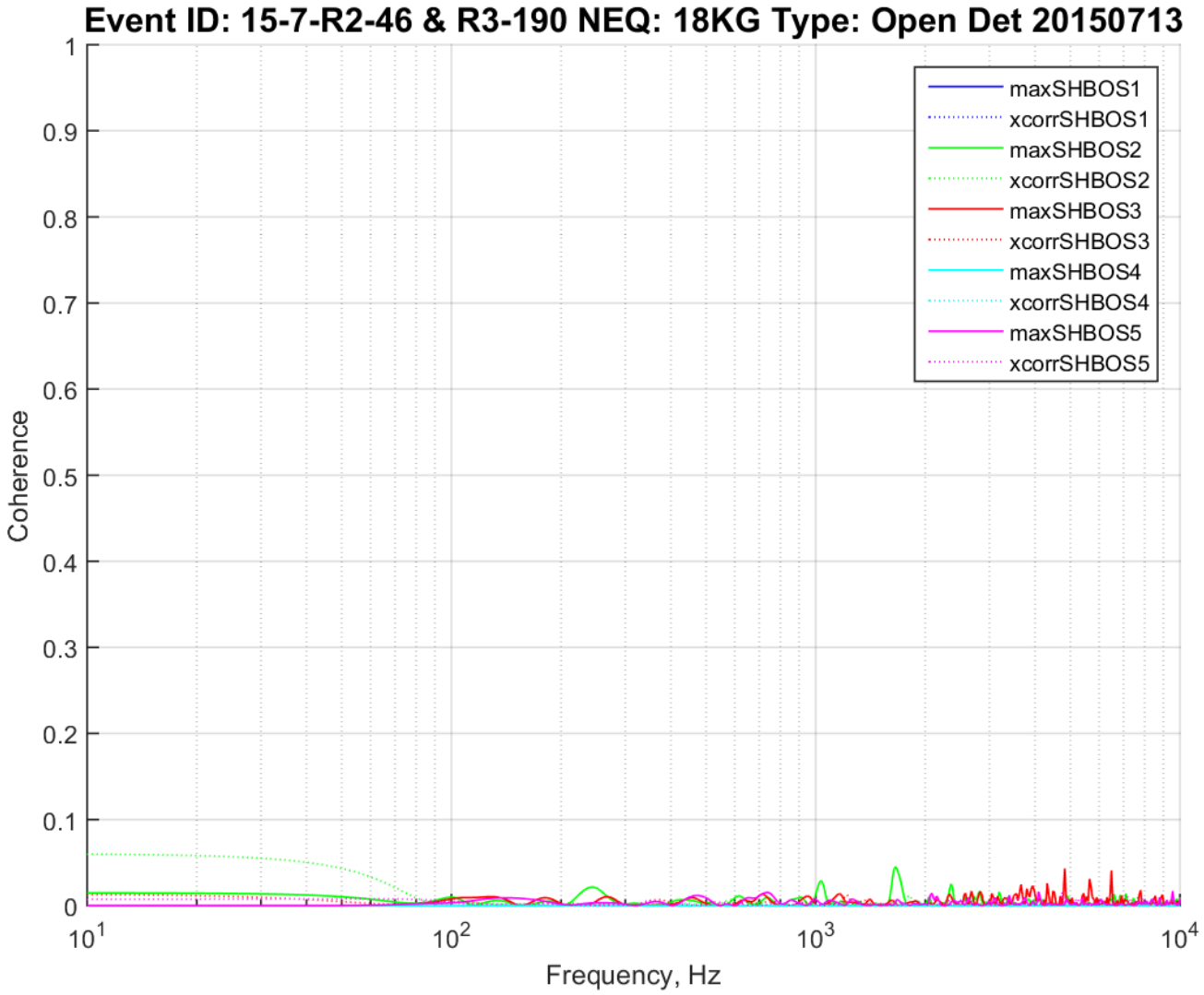


FIGURE 2.413: COHERENCE SHB_OS 1 - 5 15-7-R2-46 & R3-190

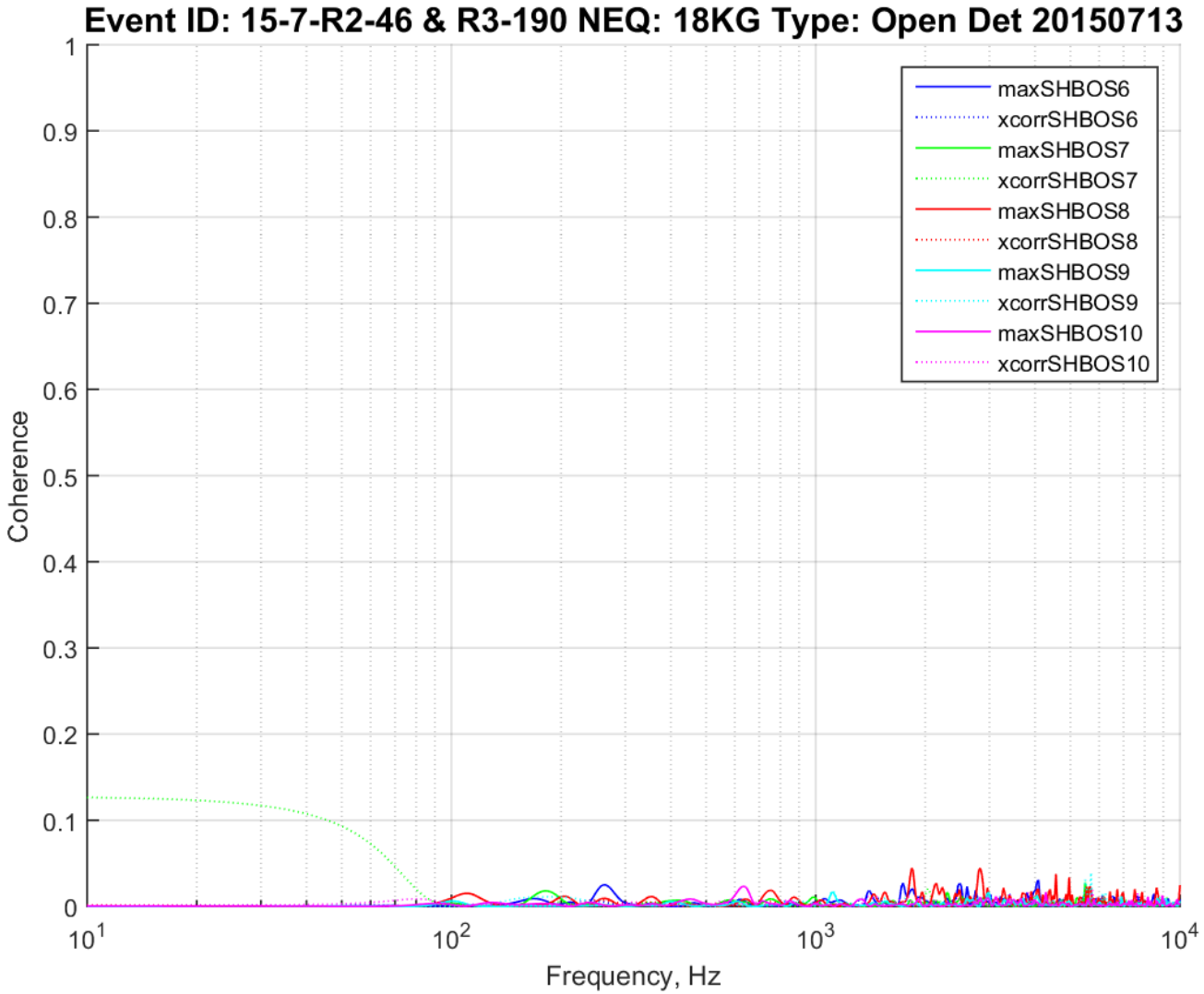


FIGURE 2.414: COHERENCE SHB_OS 6 - 10 15-7-R2-46 & R3-190CTD

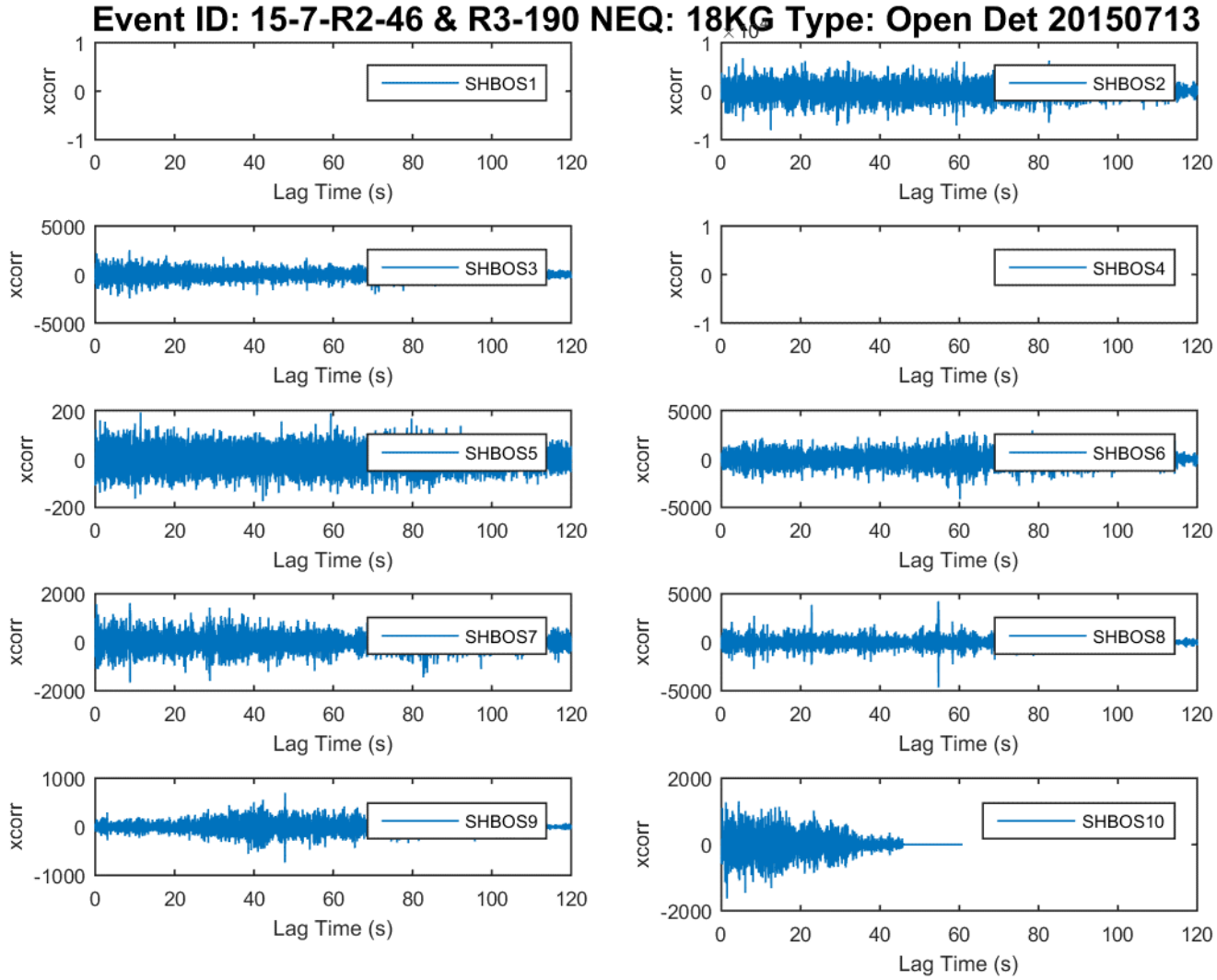


FIGURE 2.415: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-46 & R3-190

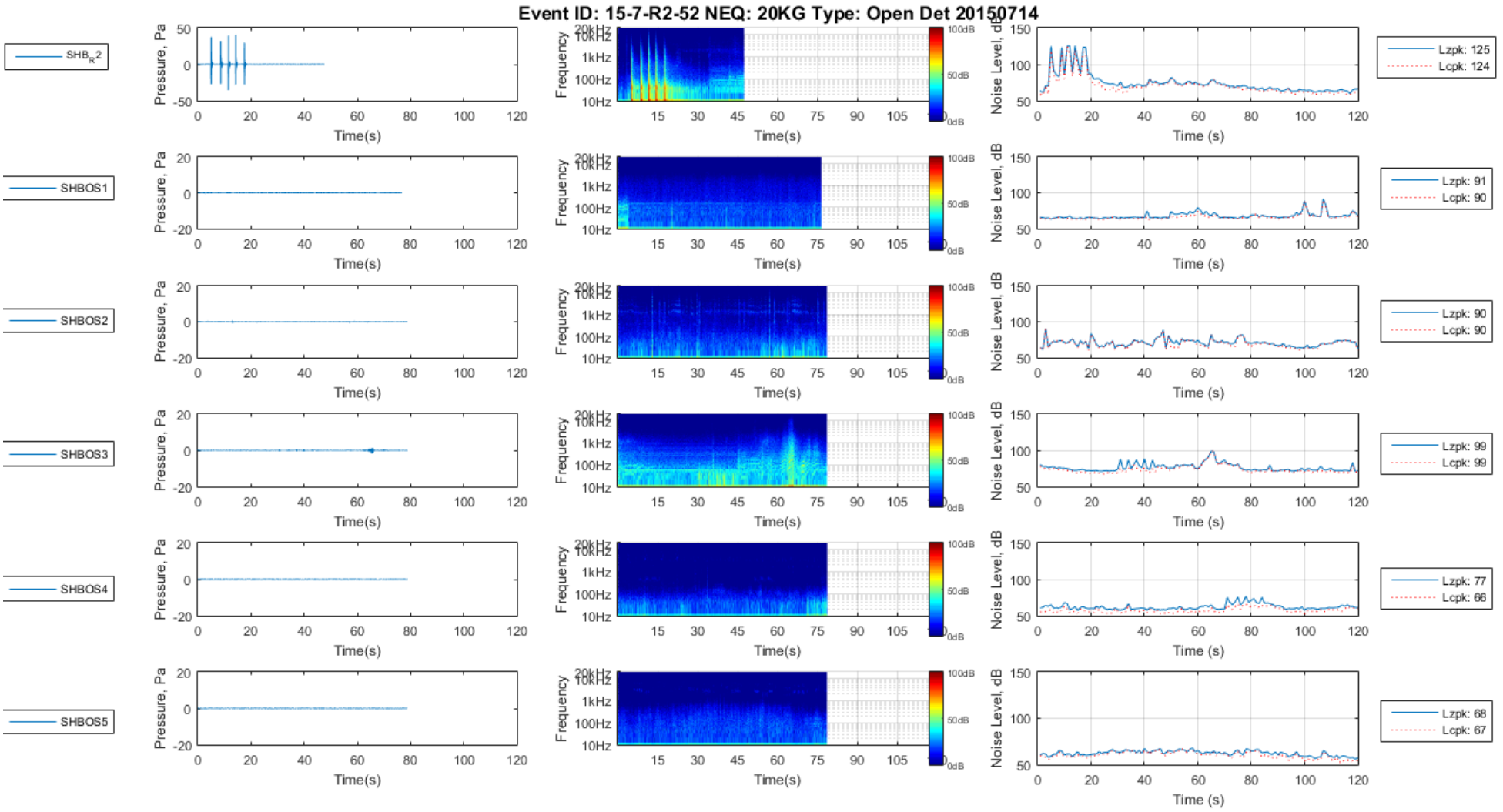


FIGURE 2.416: SHB_OS 1 - 5 15-7-R2-52

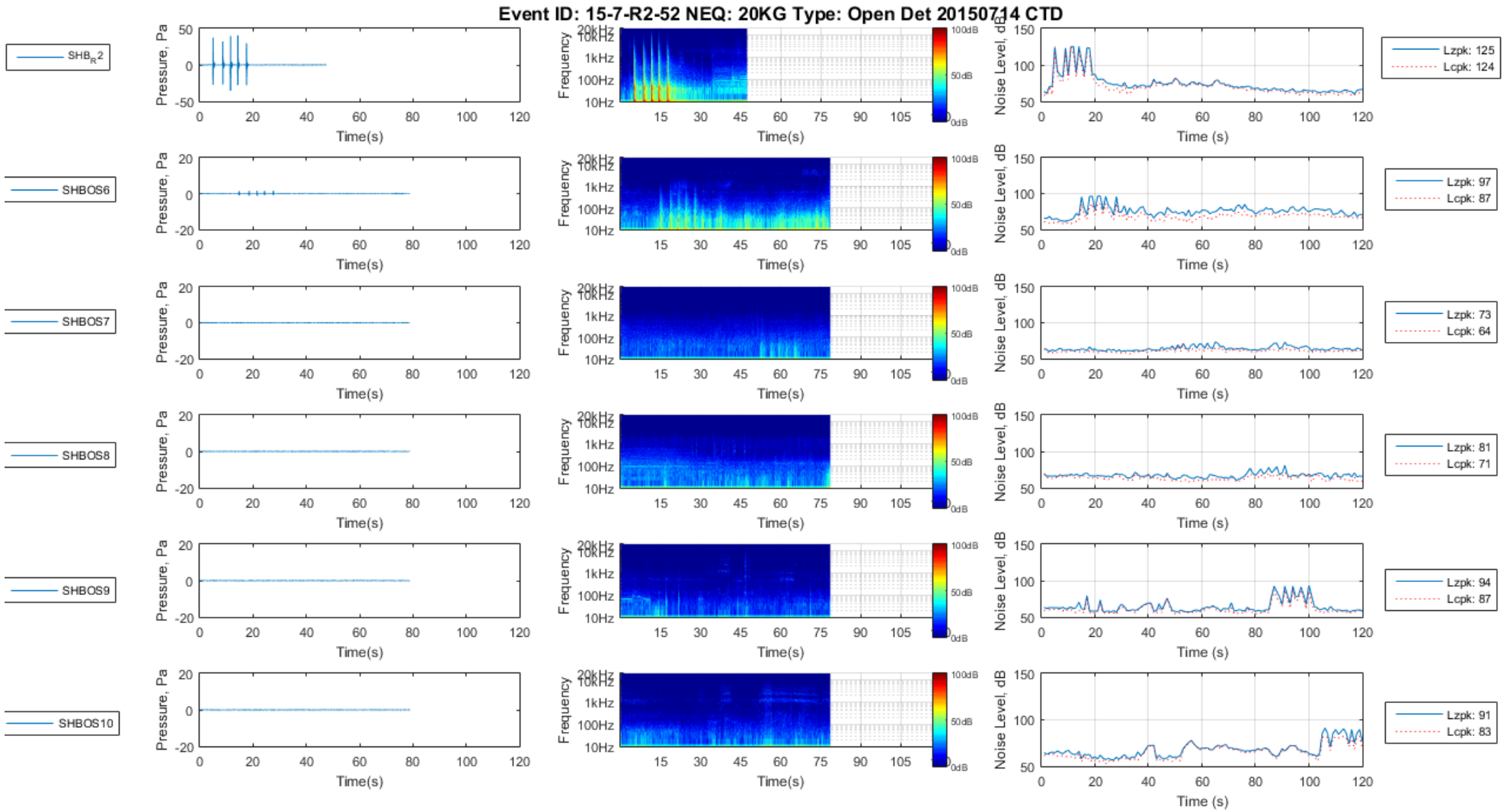


FIGURE 2.417: SHB_OS 6 - 10 15-7-R2-52

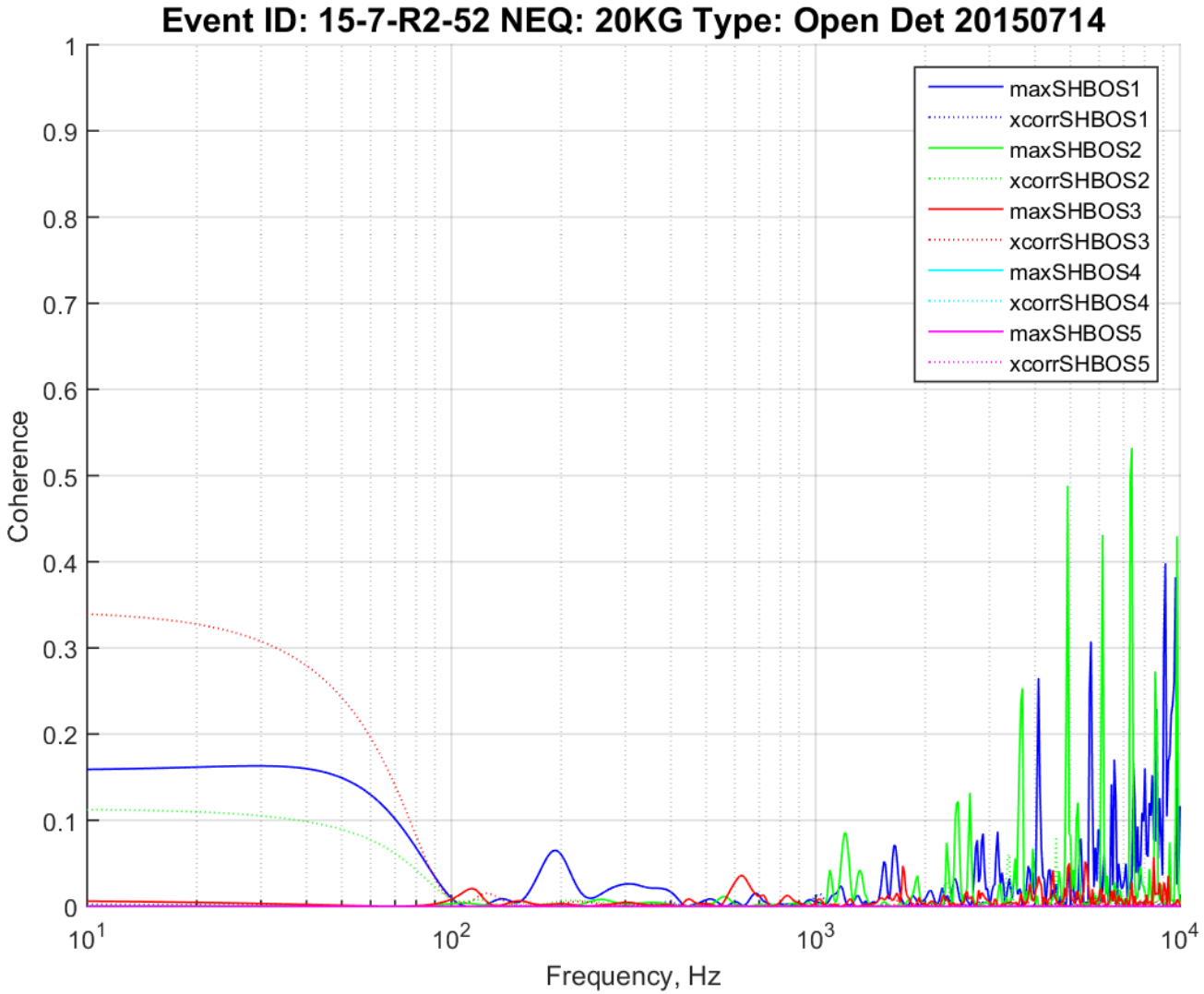


FIGURE 2.418: COHERENCE SHB_OS 1 - 5 15-7-R2-52

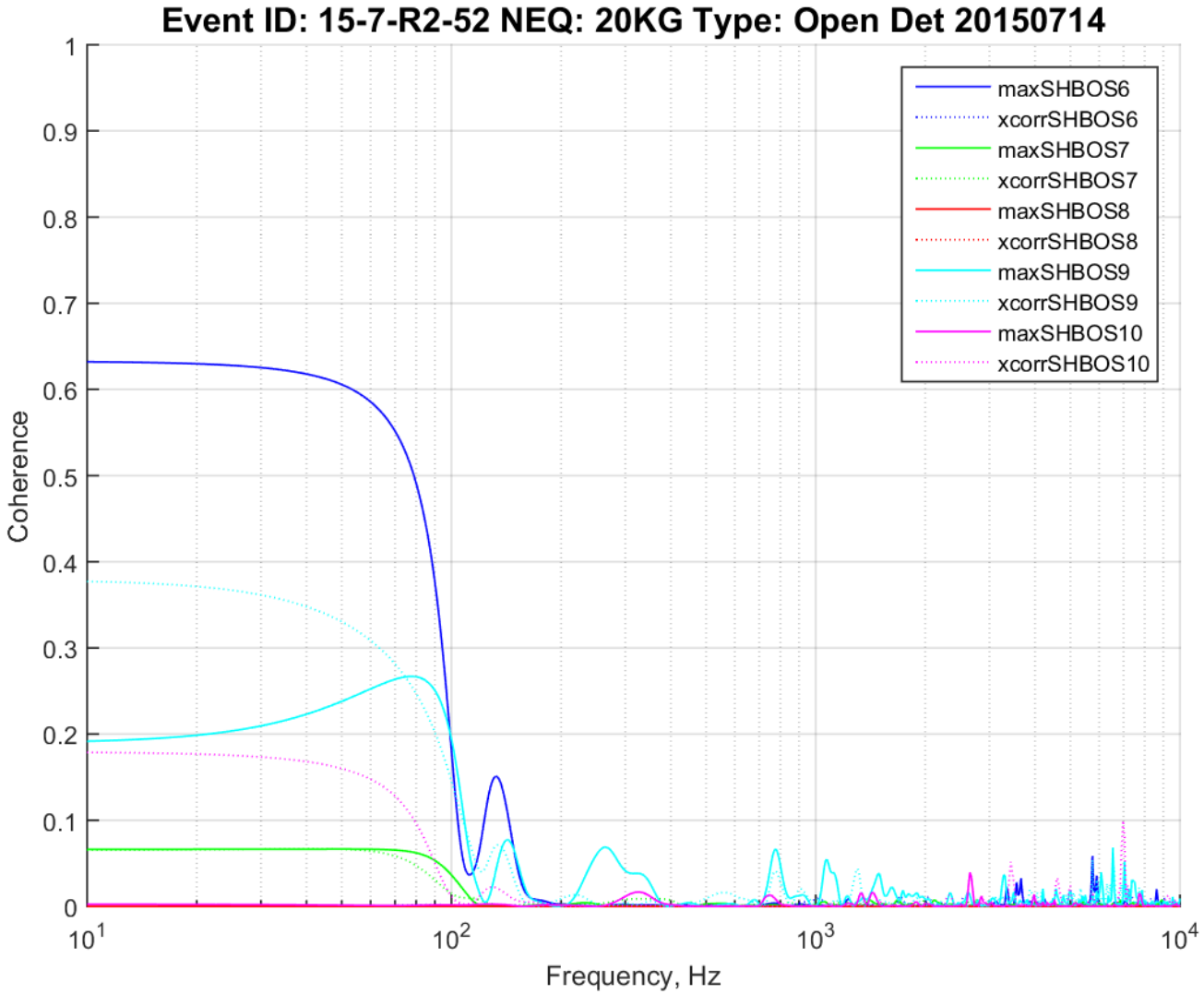


FIGURE 2.419: COHERENCE SHB_OS 6 - 10 15-7-R2-52CTD

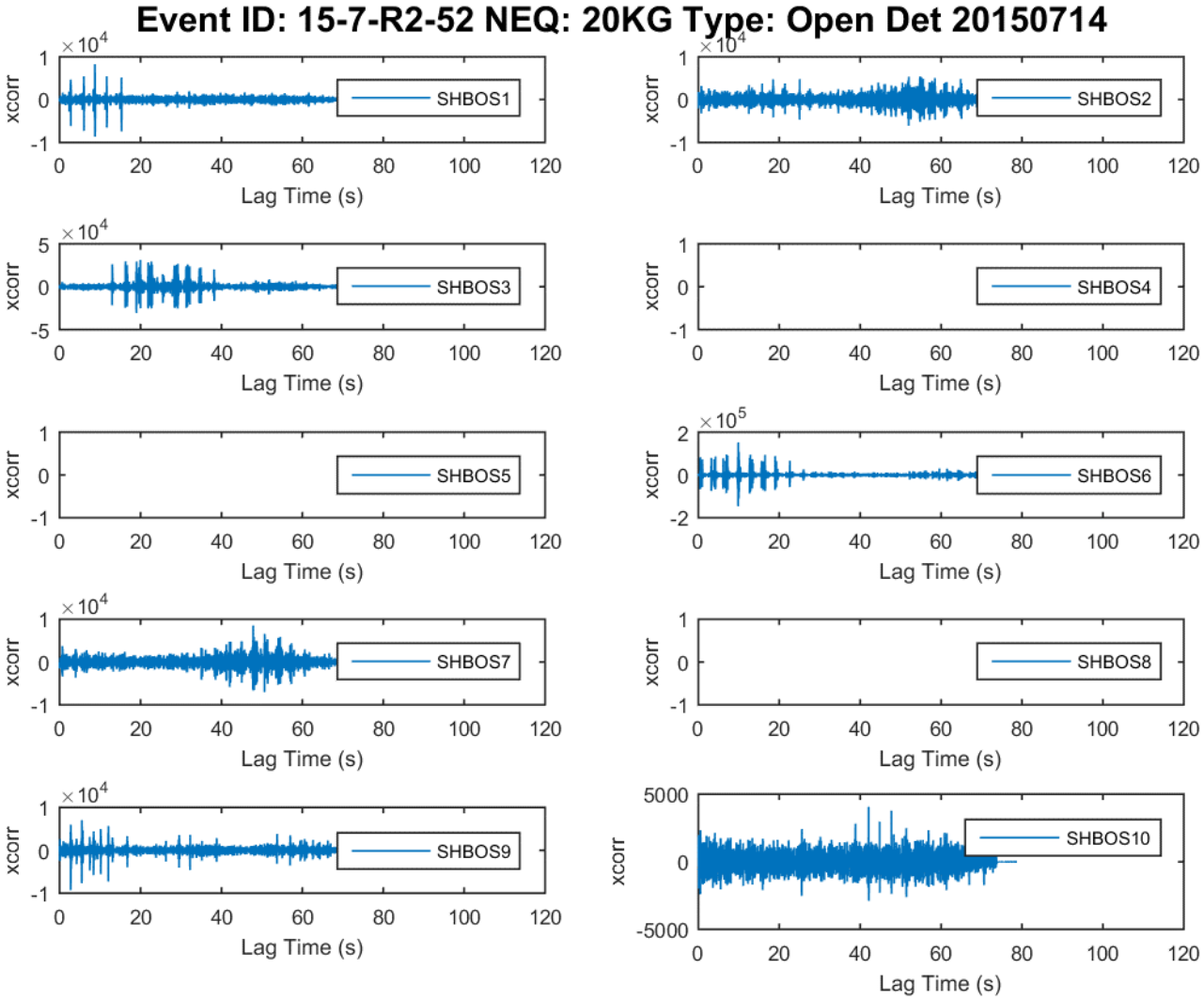


FIGURE 2.420: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-52

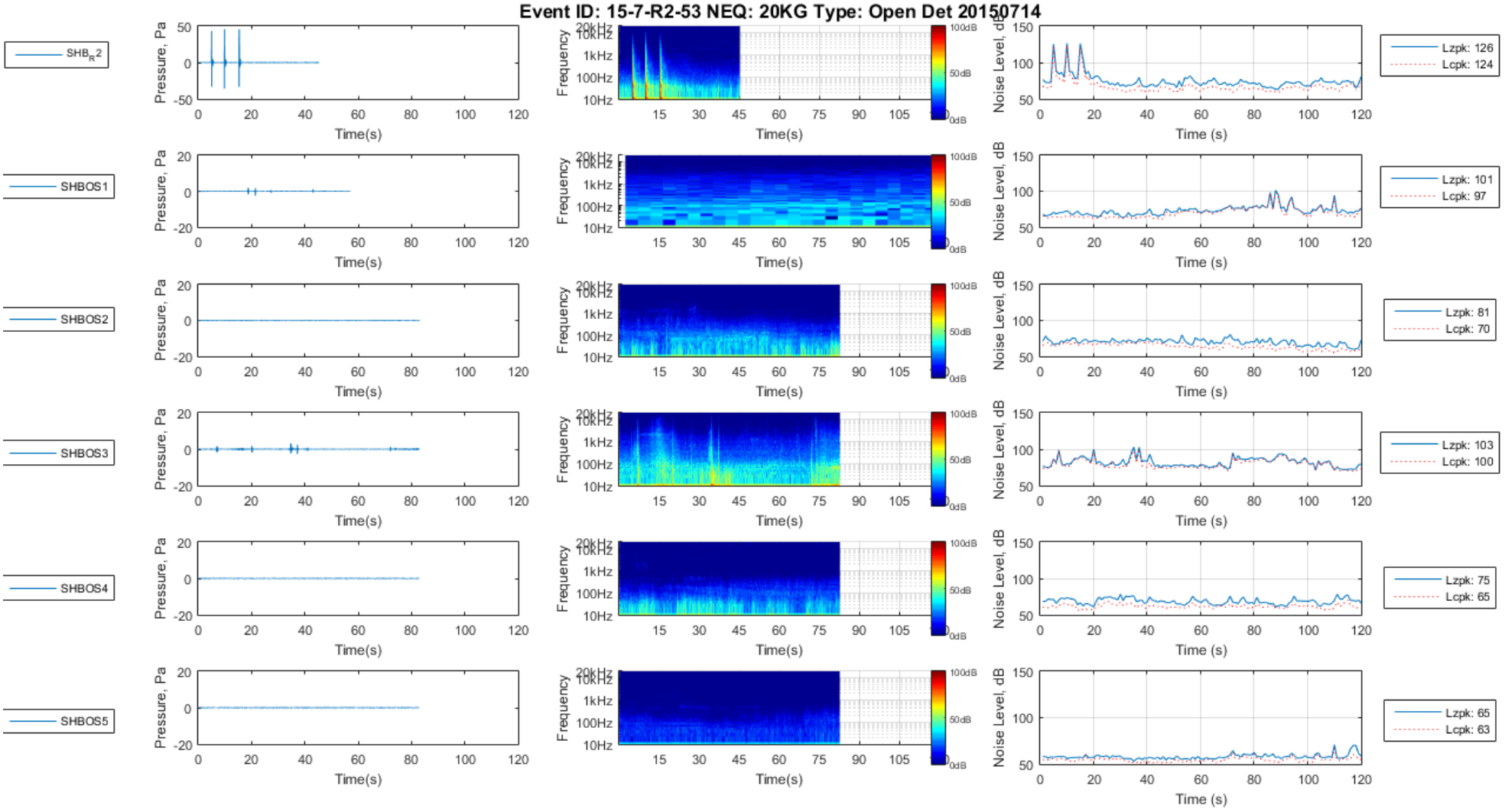


FIGURE 2.421: SHB_OS 1 - 5 15-7-R2-53

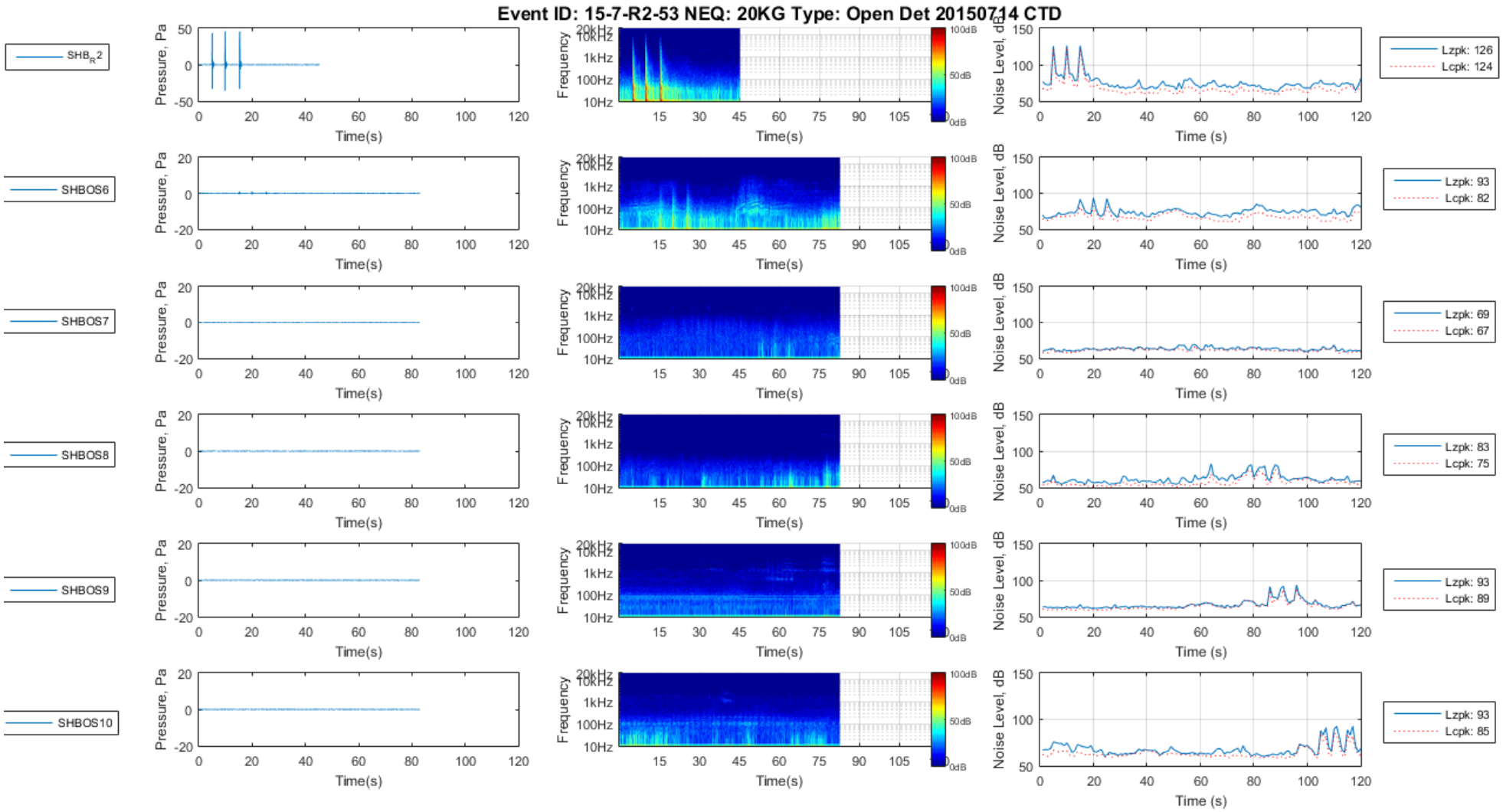


FIGURE 2.422: SHB_OS 6 - 10 15-7-R2-53

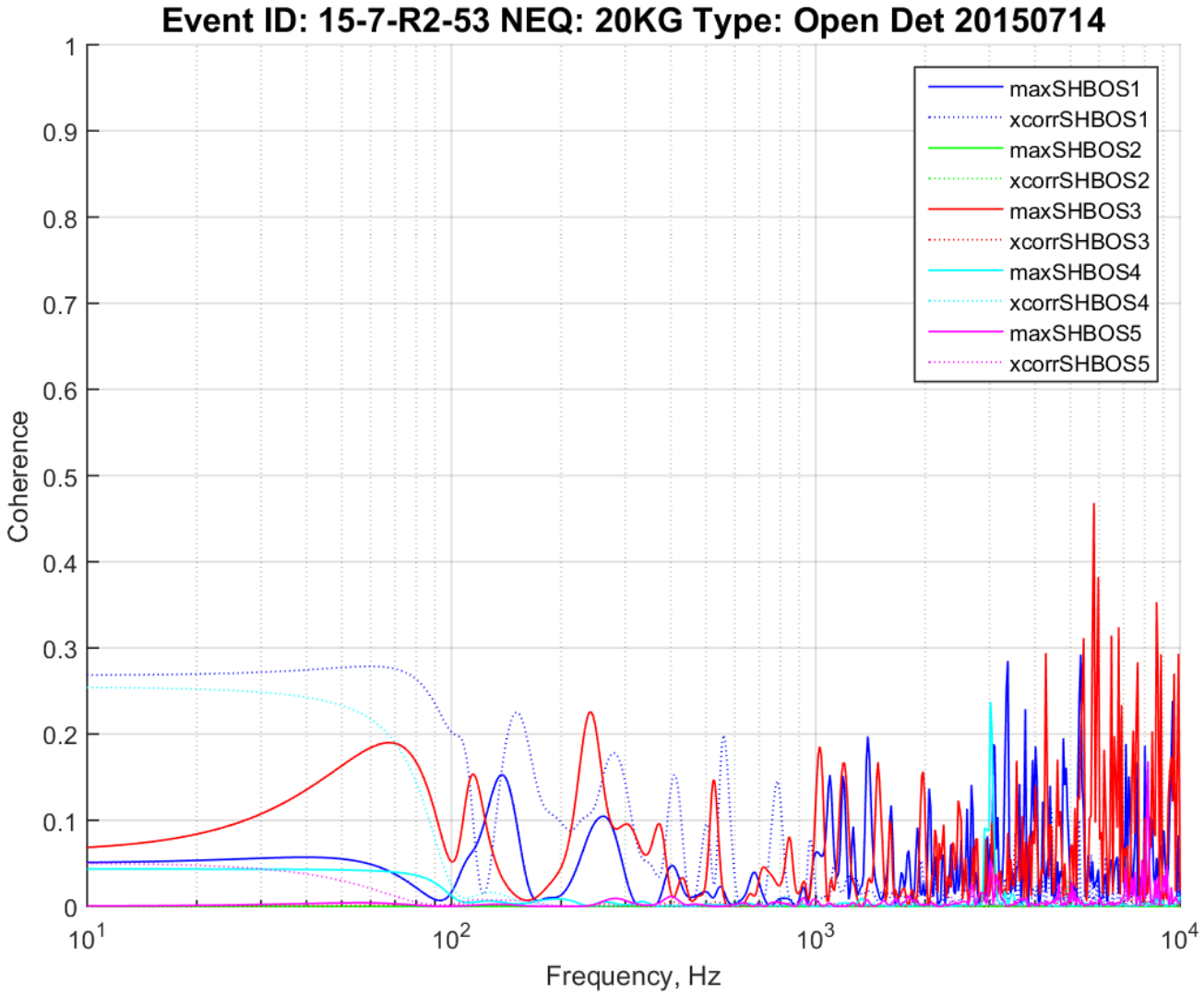


FIGURE 2.423: COHERENCE SHB_OS 1 - 5 15-7-R2-53

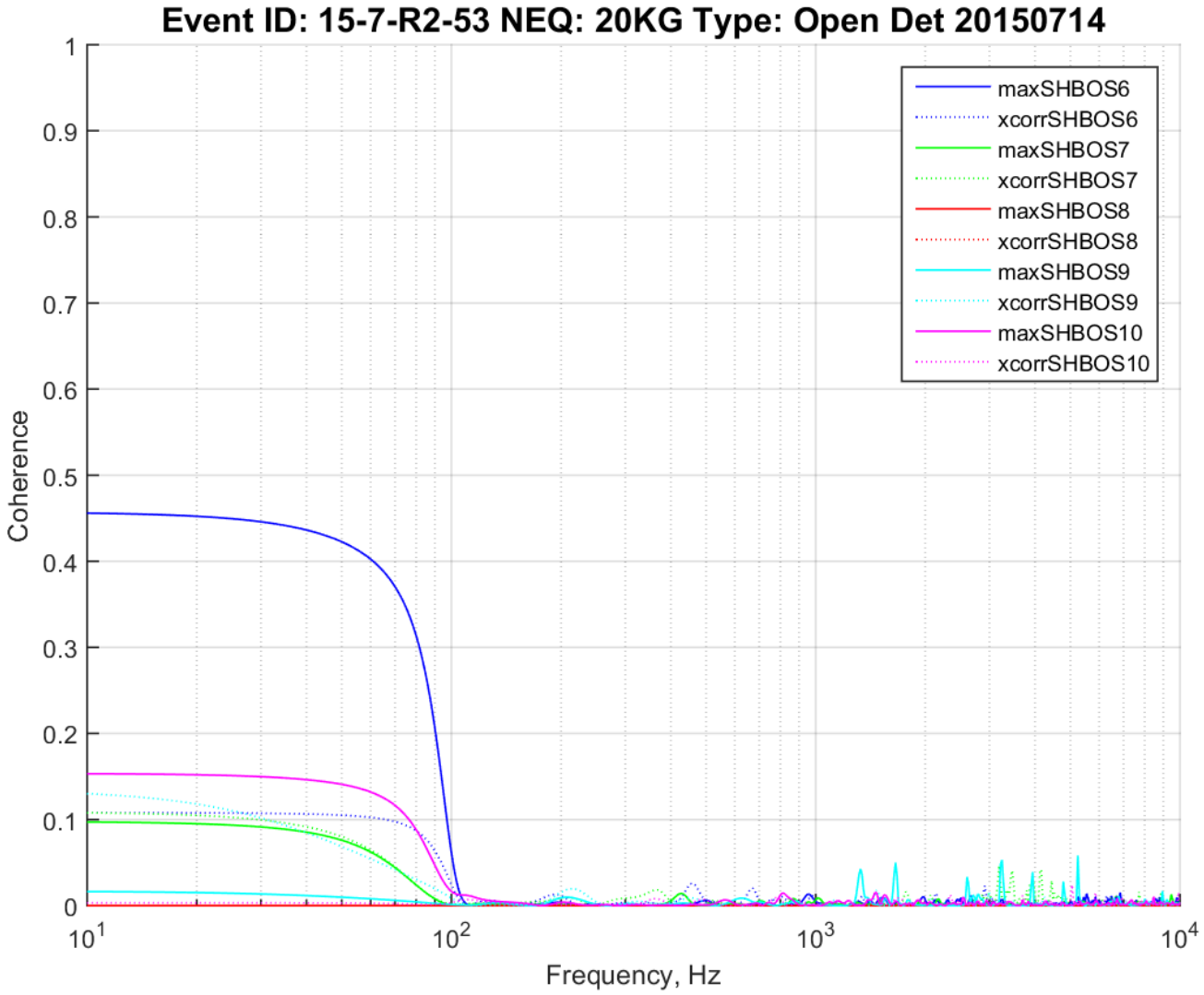


FIGURE 2.424: COHERENCE SHB_OS 6 - 10 15-7-R2-53CTD

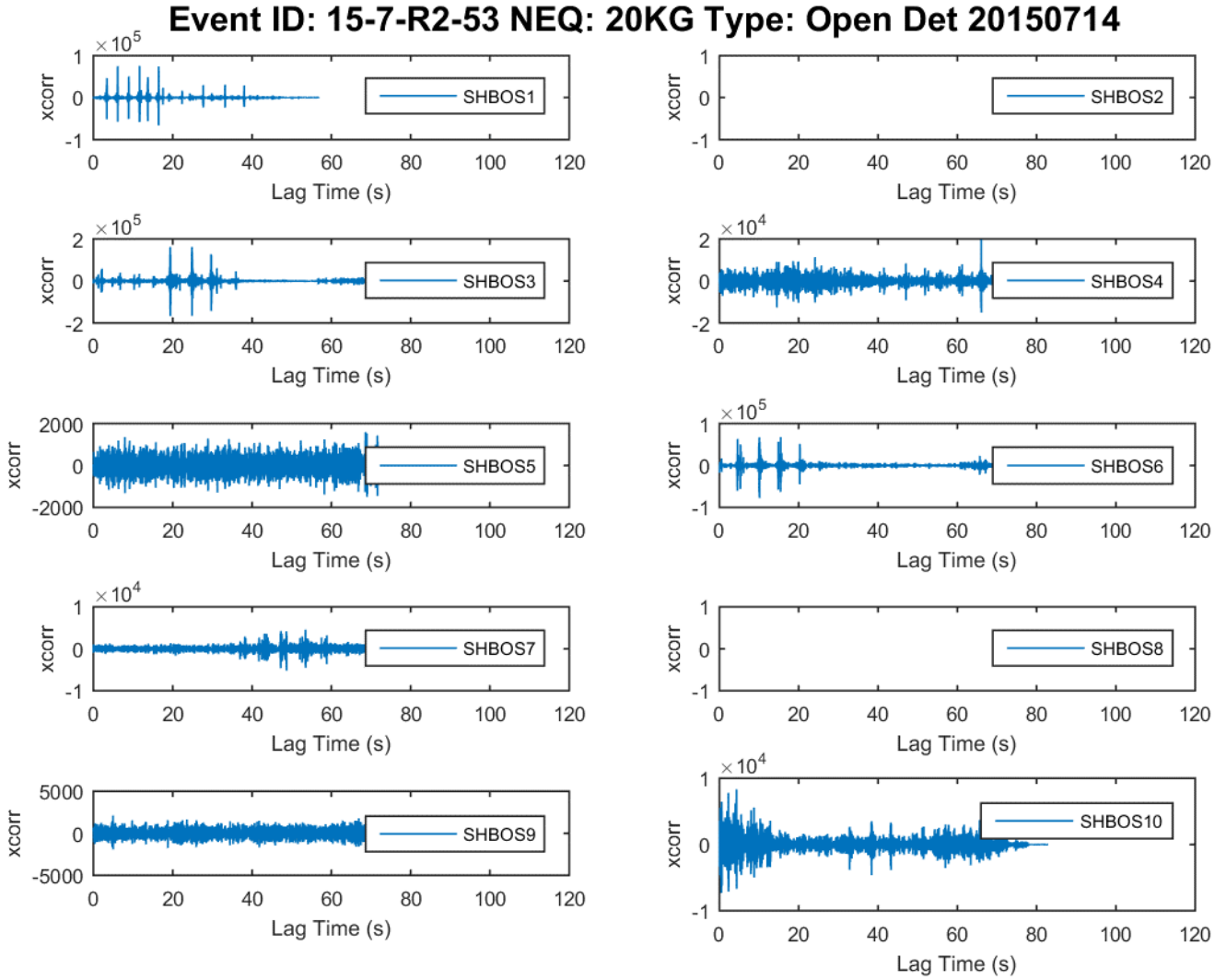


FIGURE 2.425: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-53

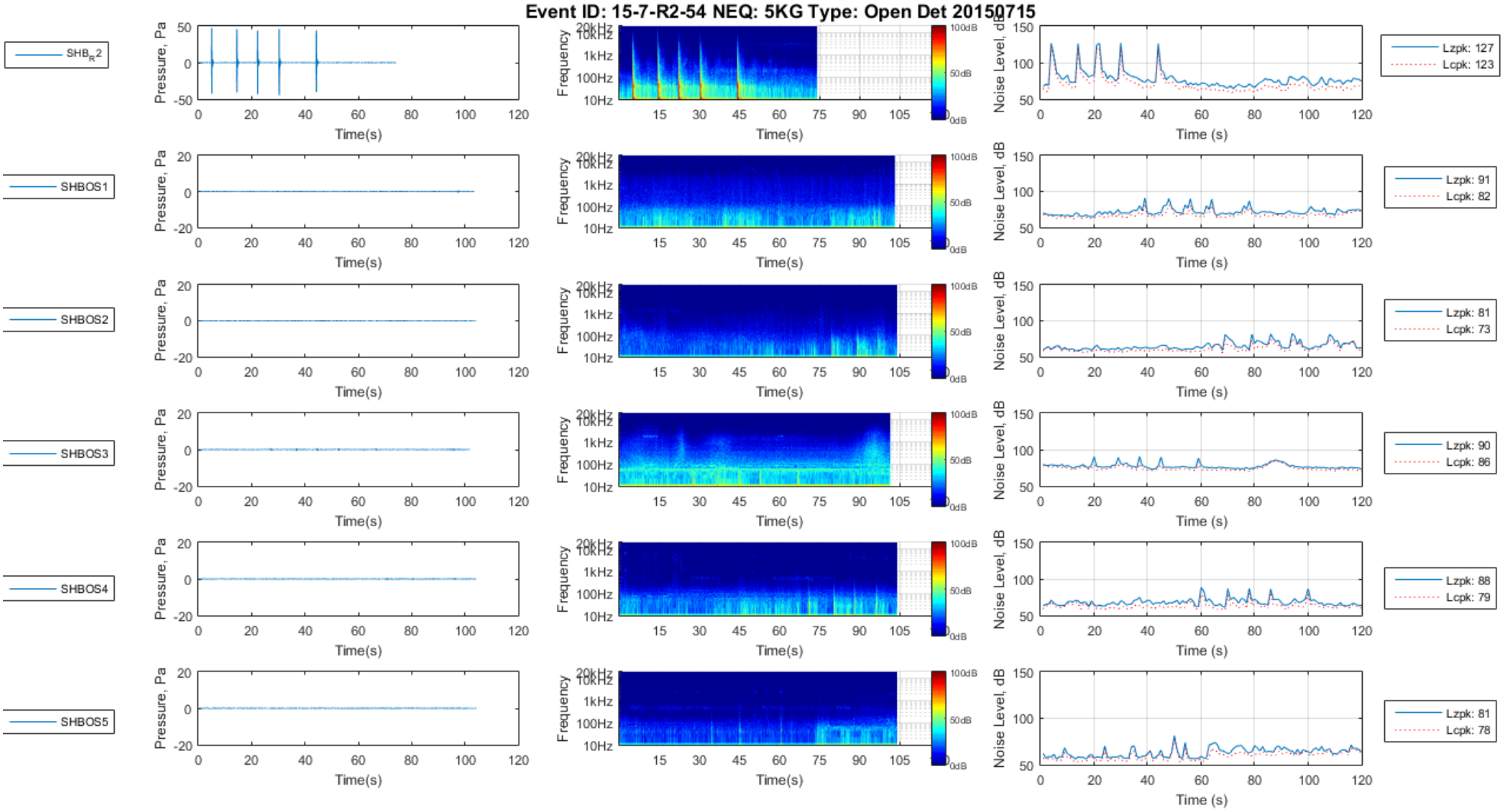


FIGURE 2.426: SHB_OS 1 - 5 15-7-R2-54

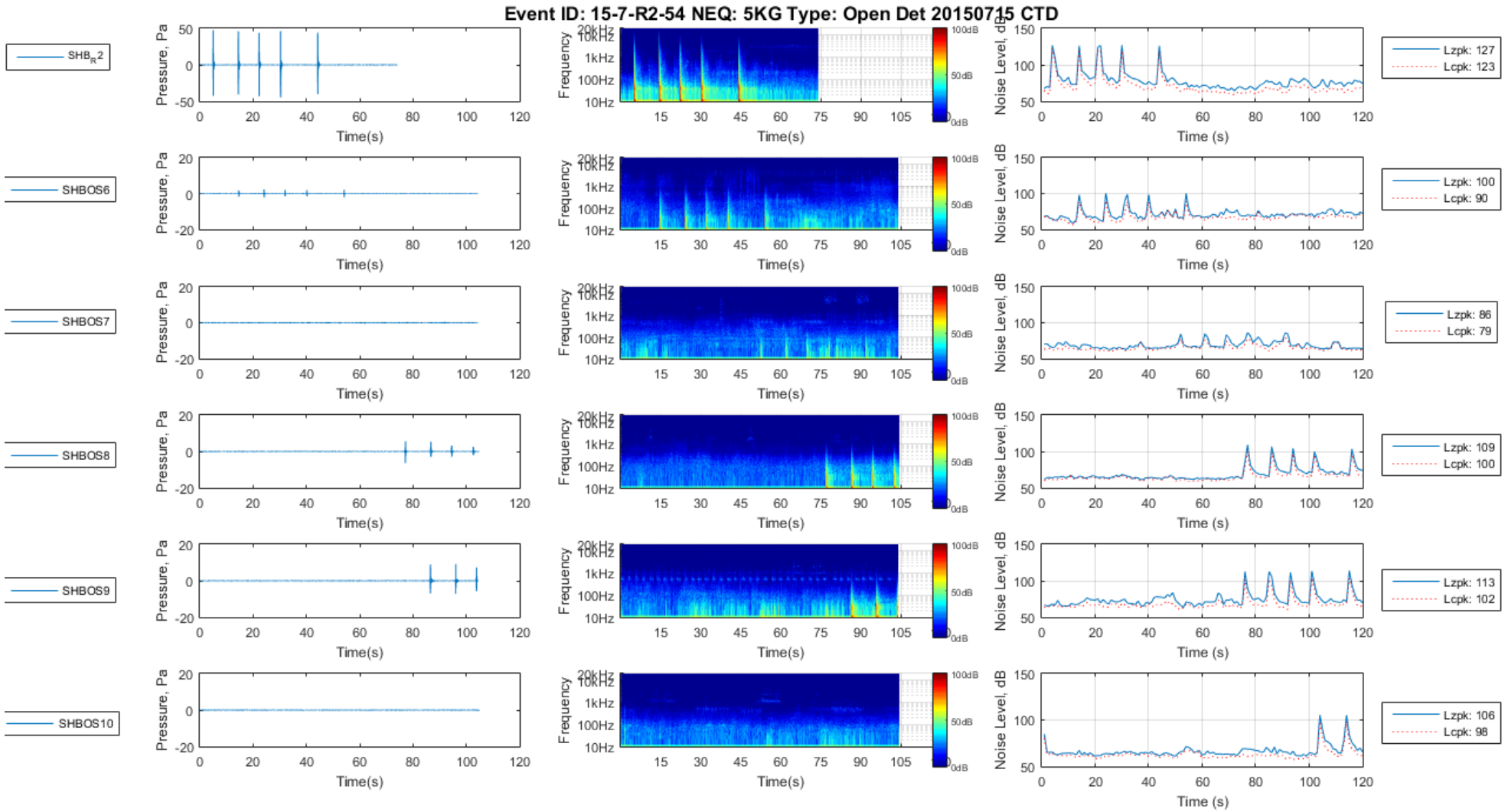


FIGURE 2.427: SHB_OS 6 - 10 15-7-R2-54

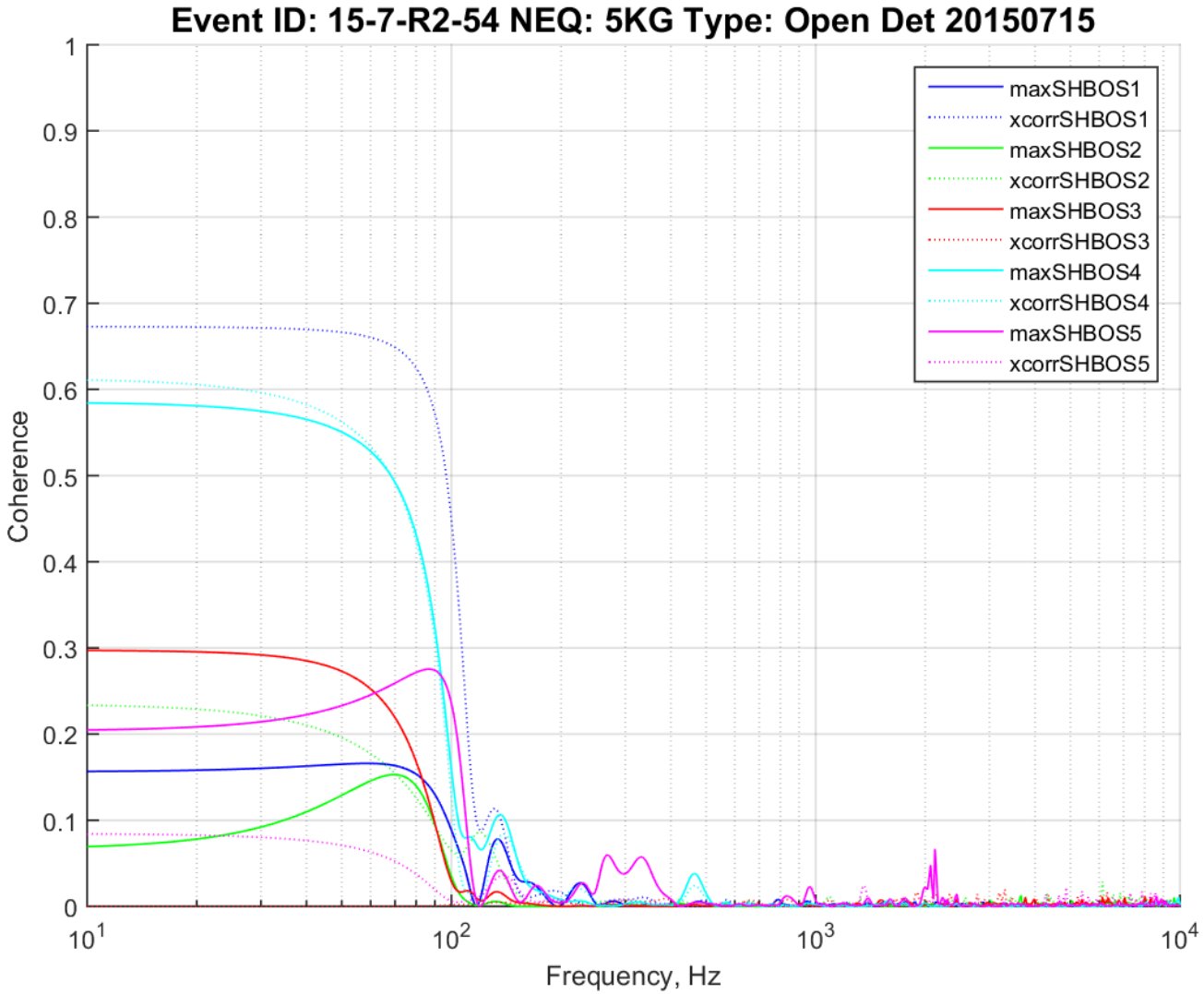


FIGURE 2.428: COHERENCE SHB_OS 1 - 5 15-7-R2-54

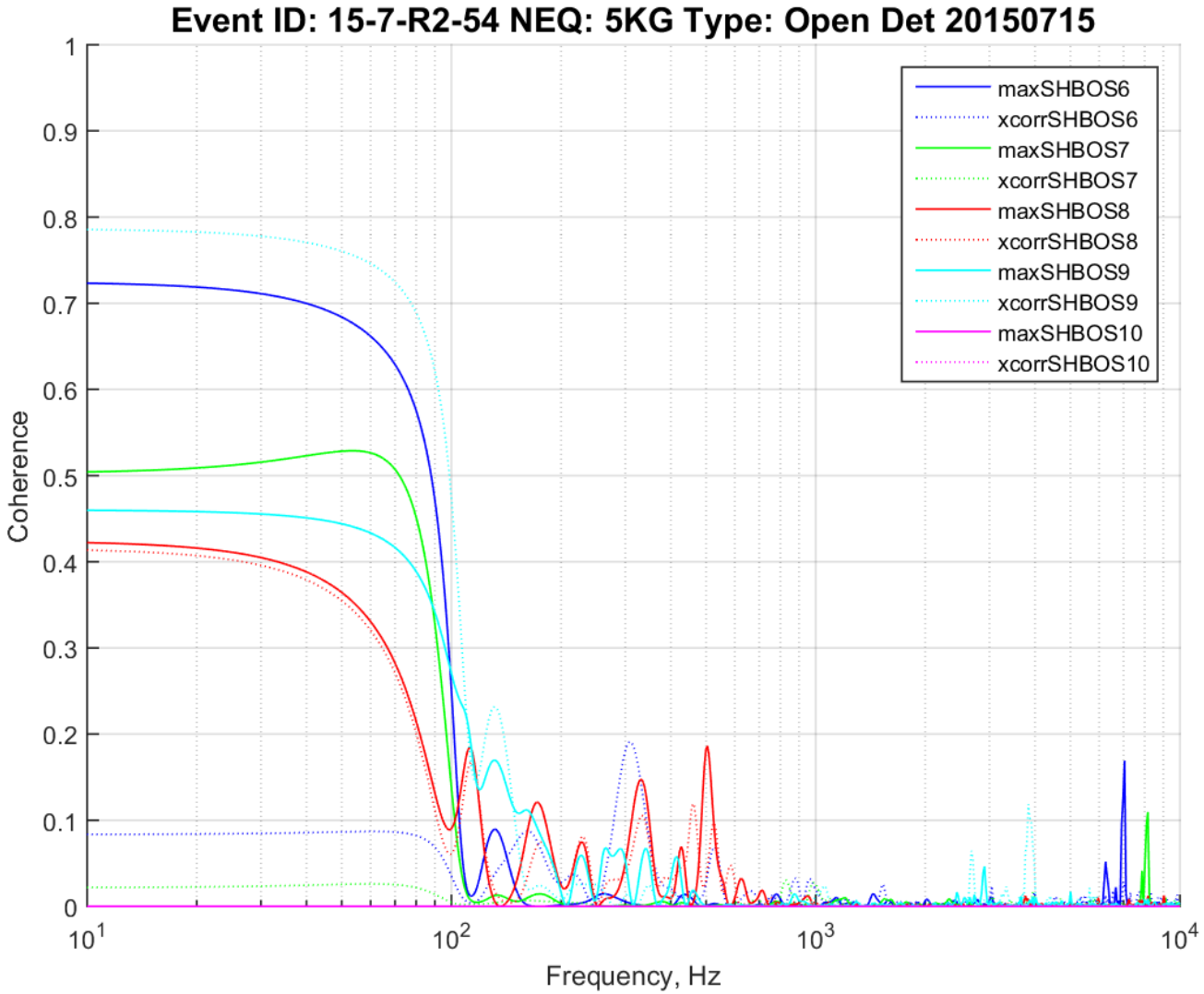


FIGURE 2.429: COHERENCE SHB_OS 6 - 10 15-7-R2-54CTD

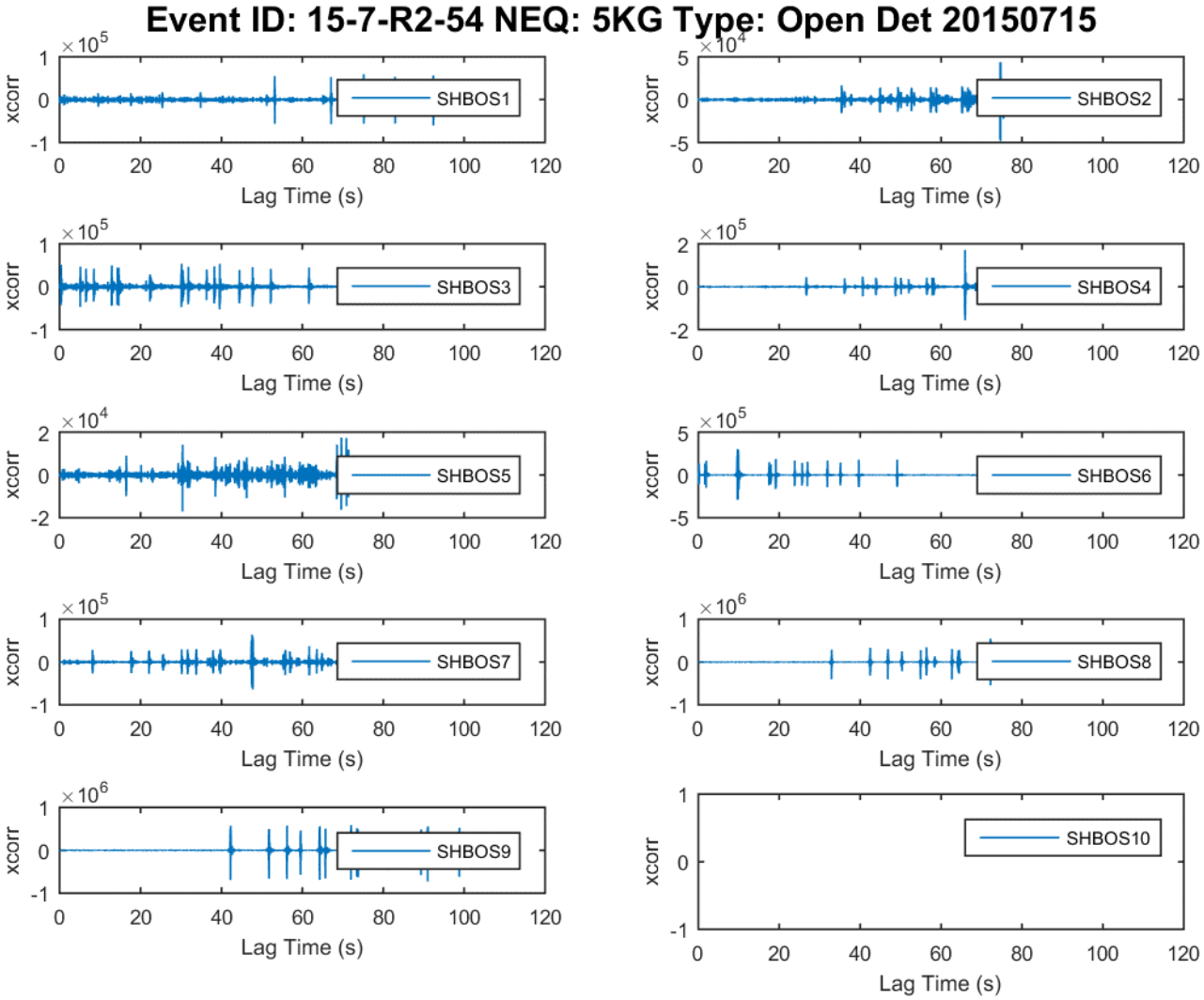


FIGURE 2.430: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-54

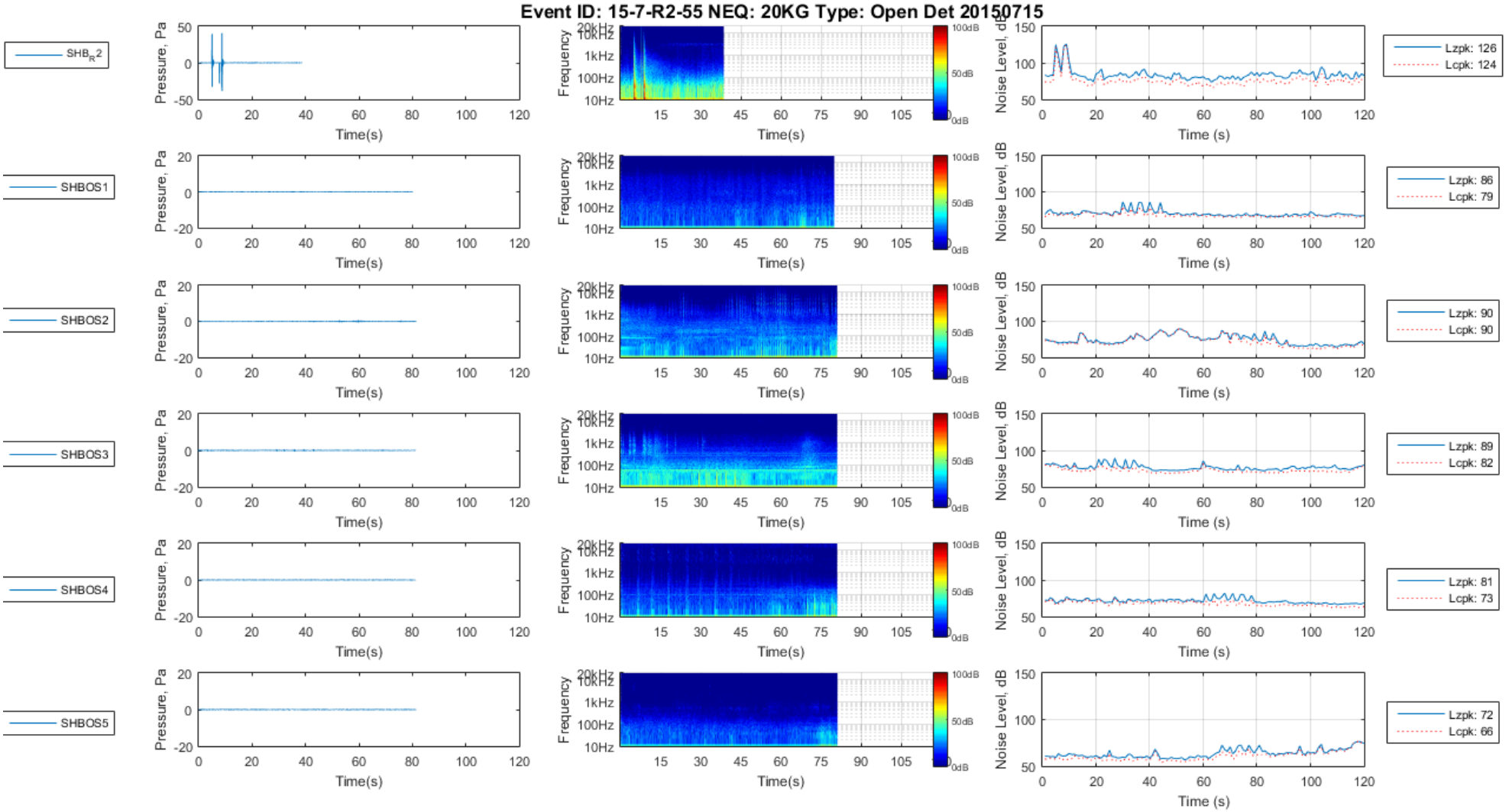


FIGURE 2.431: SHB_OS 1 - 5 15-7-R2-55

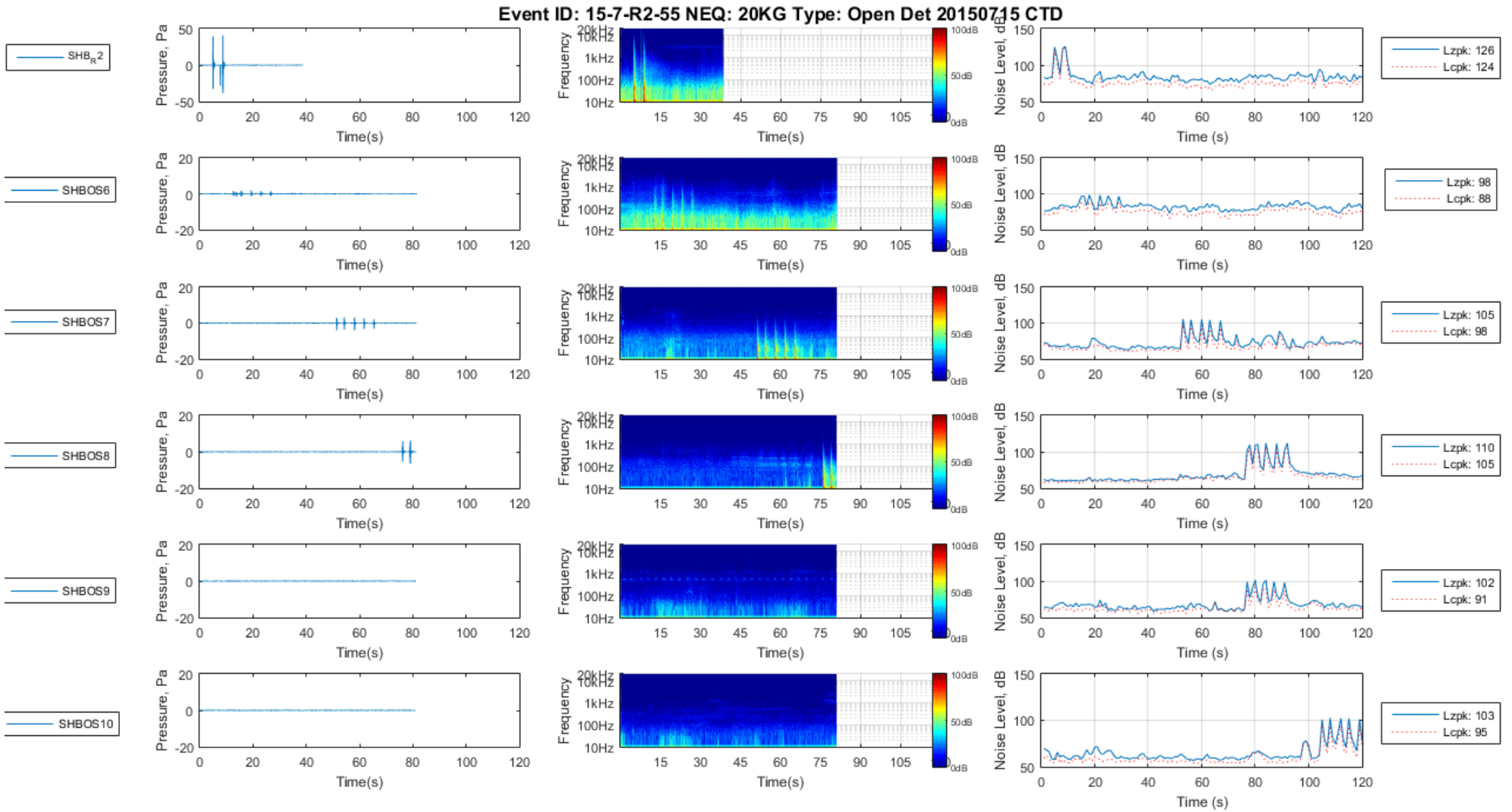


FIGURE 2.432: SHB_OS 6 - 10 15-7-R2-55

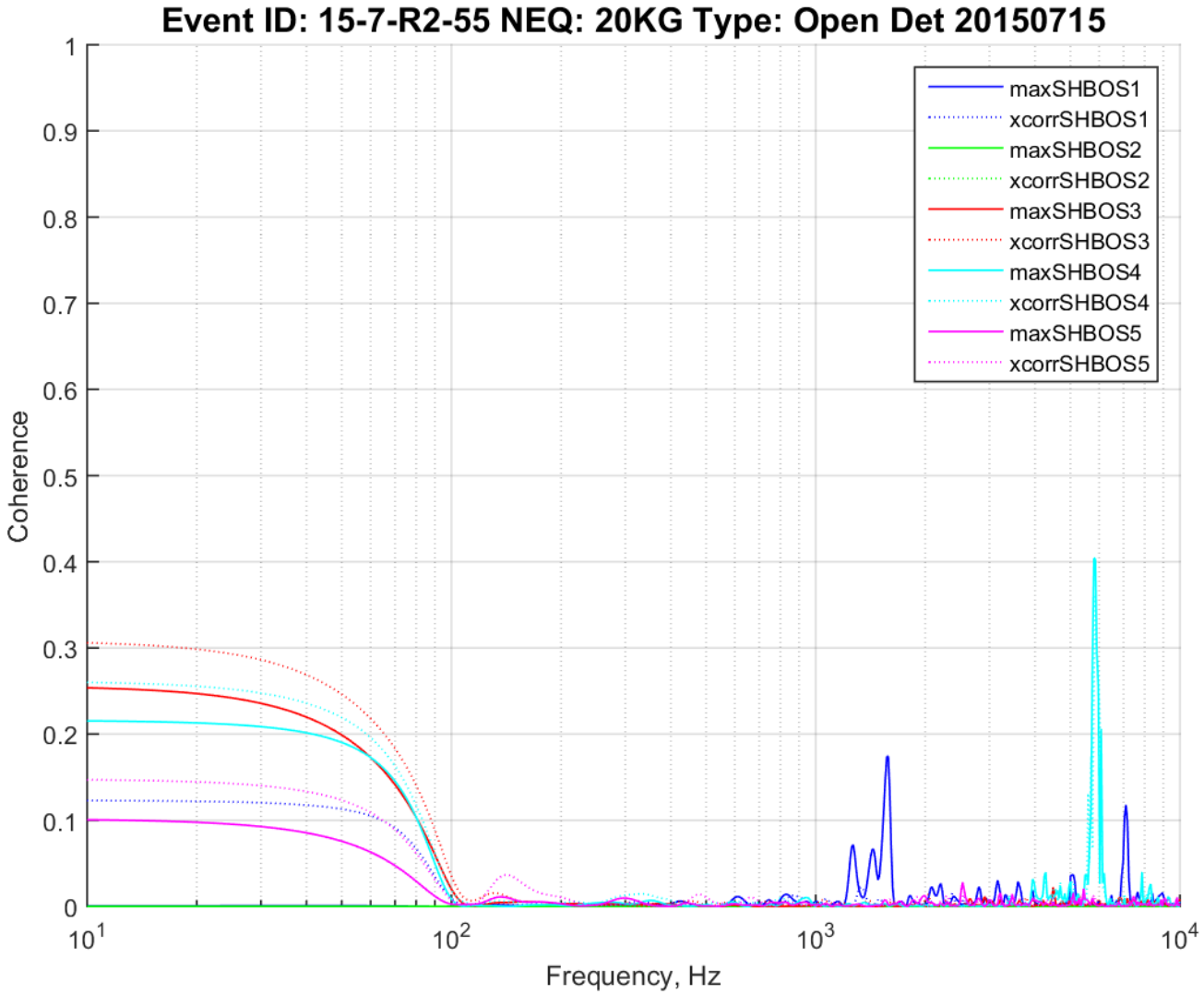


FIGURE 2.433: COHERENCE SHB_OS 1 - 5 15-7-R2-55

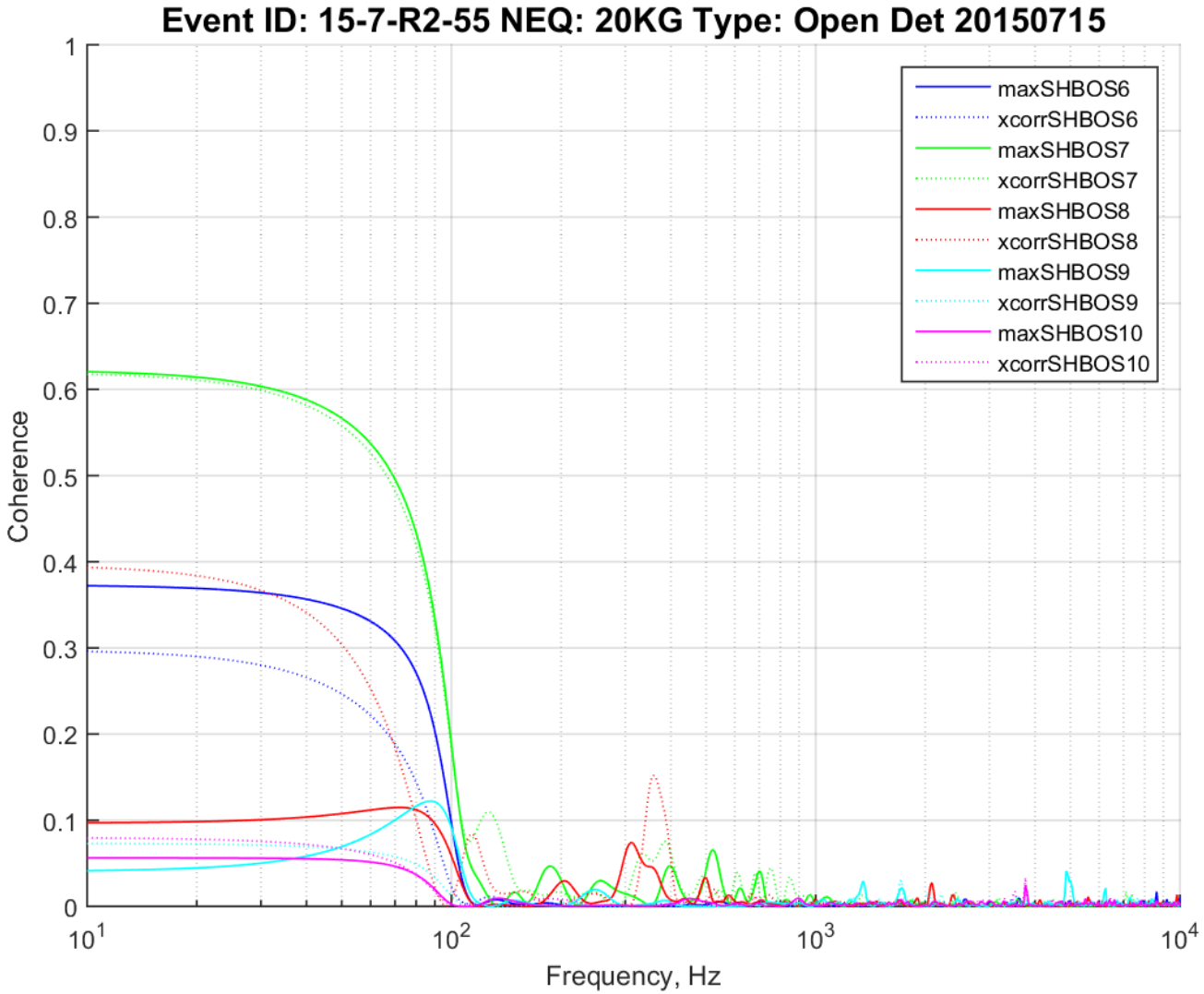


FIGURE 2.434: COHERENCE SHB_OS 6 - 10 15-7-R2-55CTD

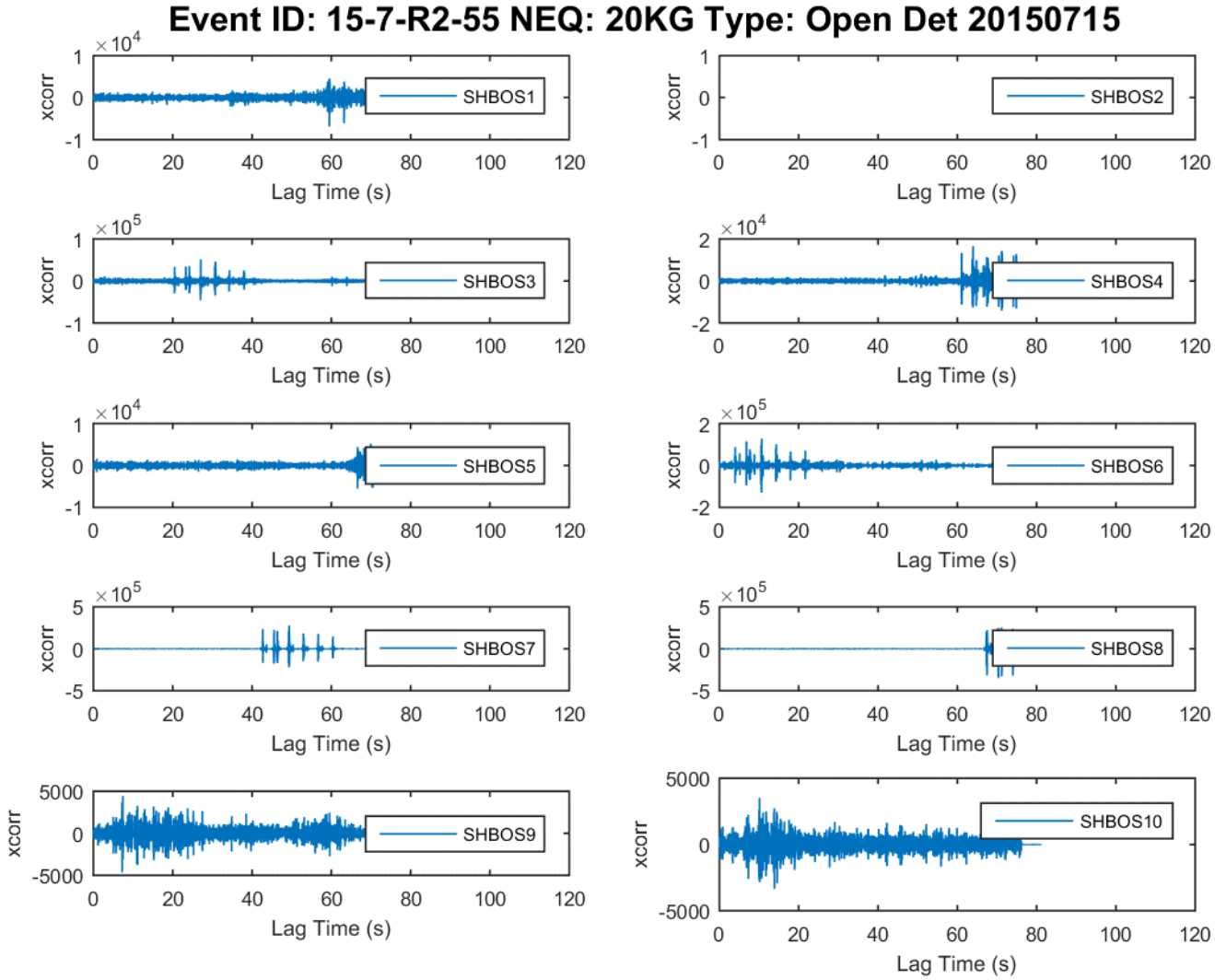


FIGURE 2.435: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-55

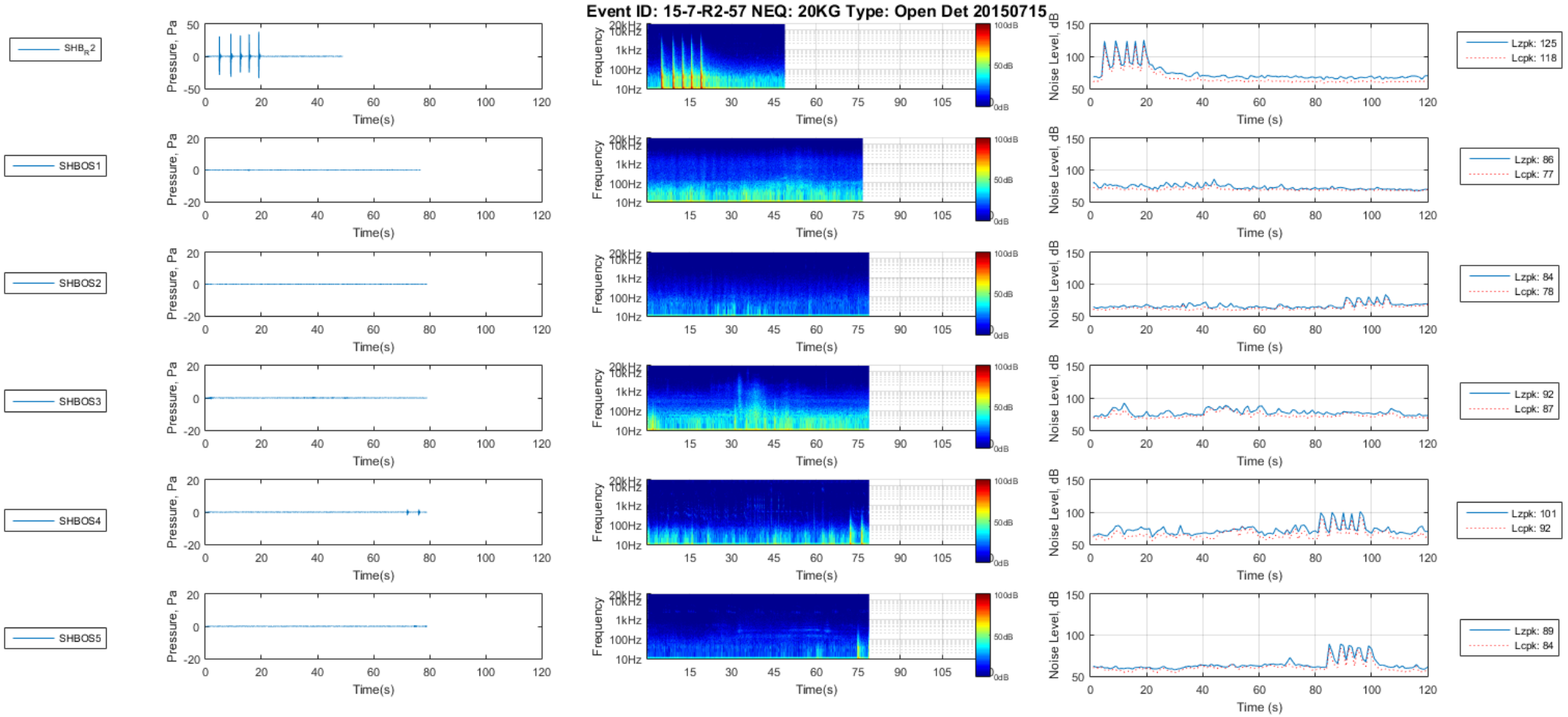


FIGURE 2.436: SHB_OS 1 - 5 15-7-R2-57

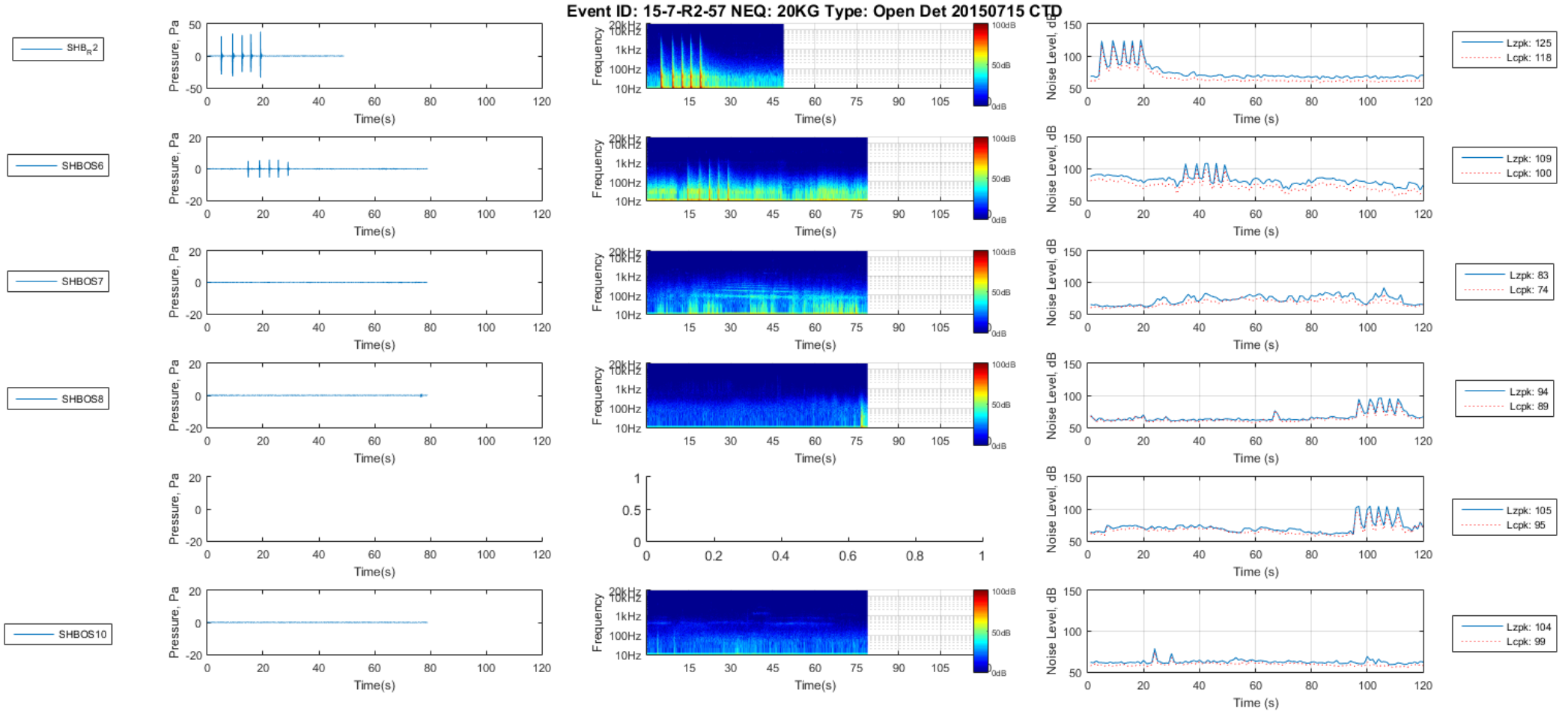


FIGURE 2.437: SHB_OS 6 - 10 15-7-R2-57

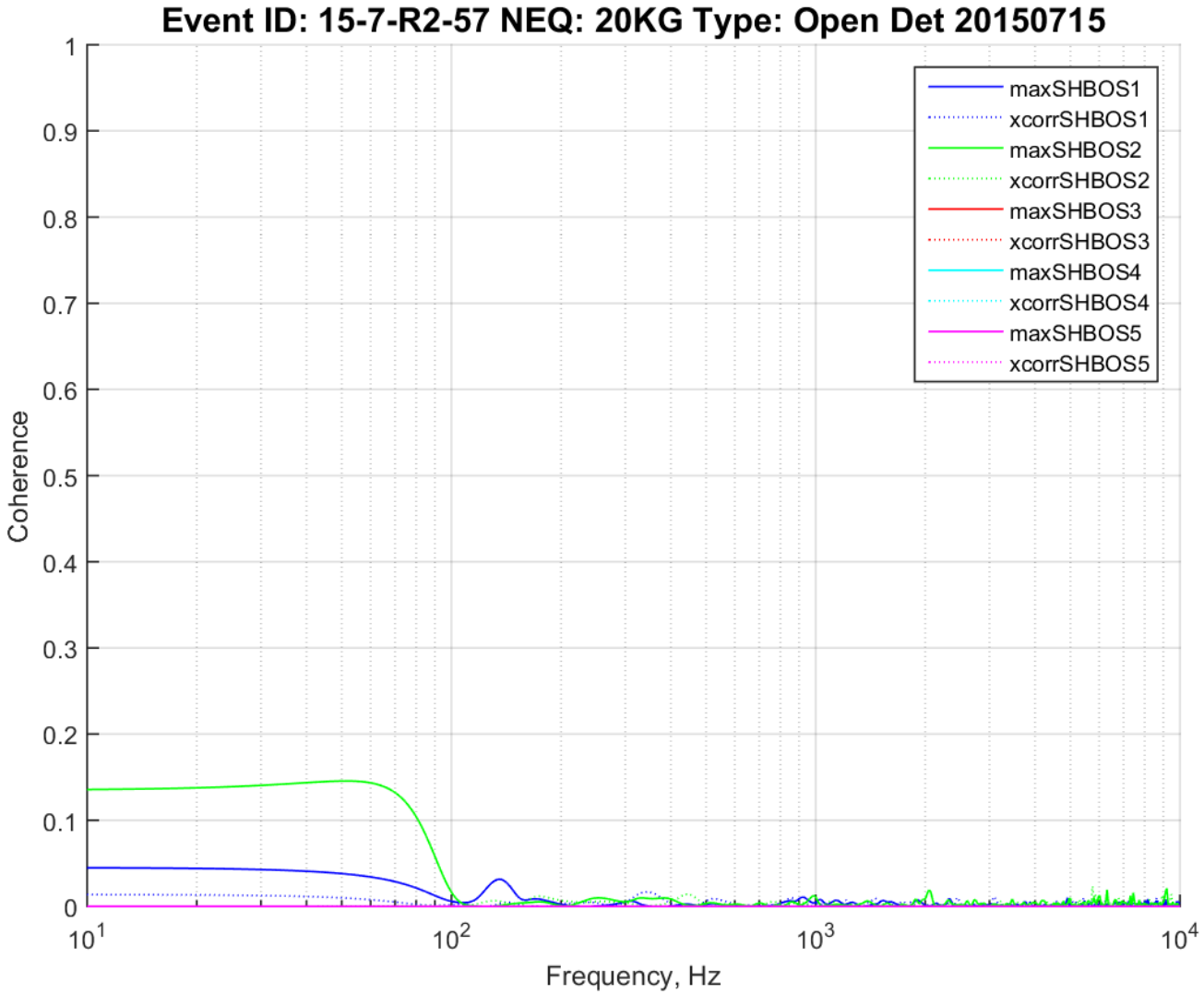


FIGURE 2.438: COHERENCE SHB_OS 1 - 5 15-7-R2-57

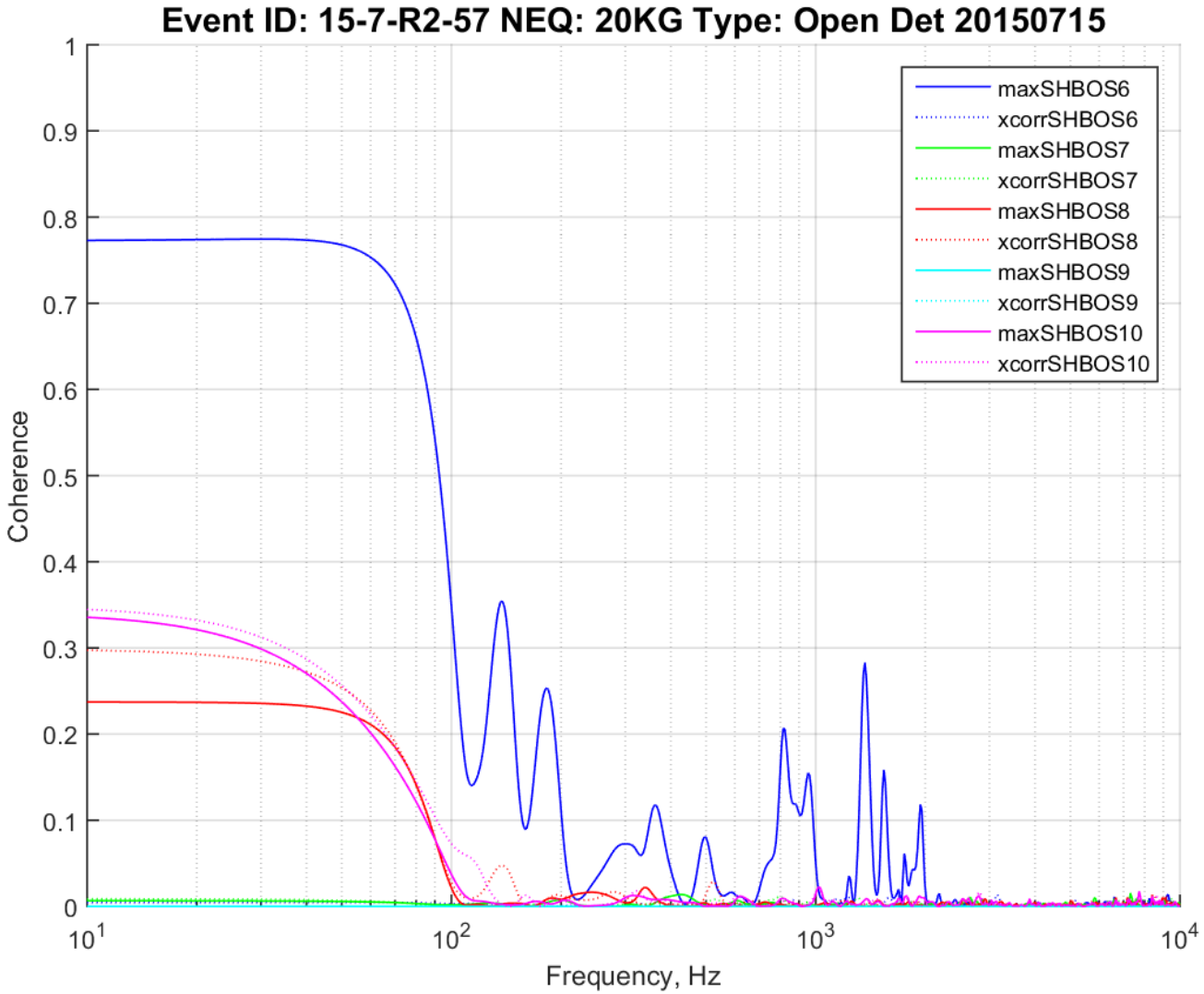


FIGURE 2.439: COHERENCE SHB_OS 6 - 10 15-7-R2-57CTD

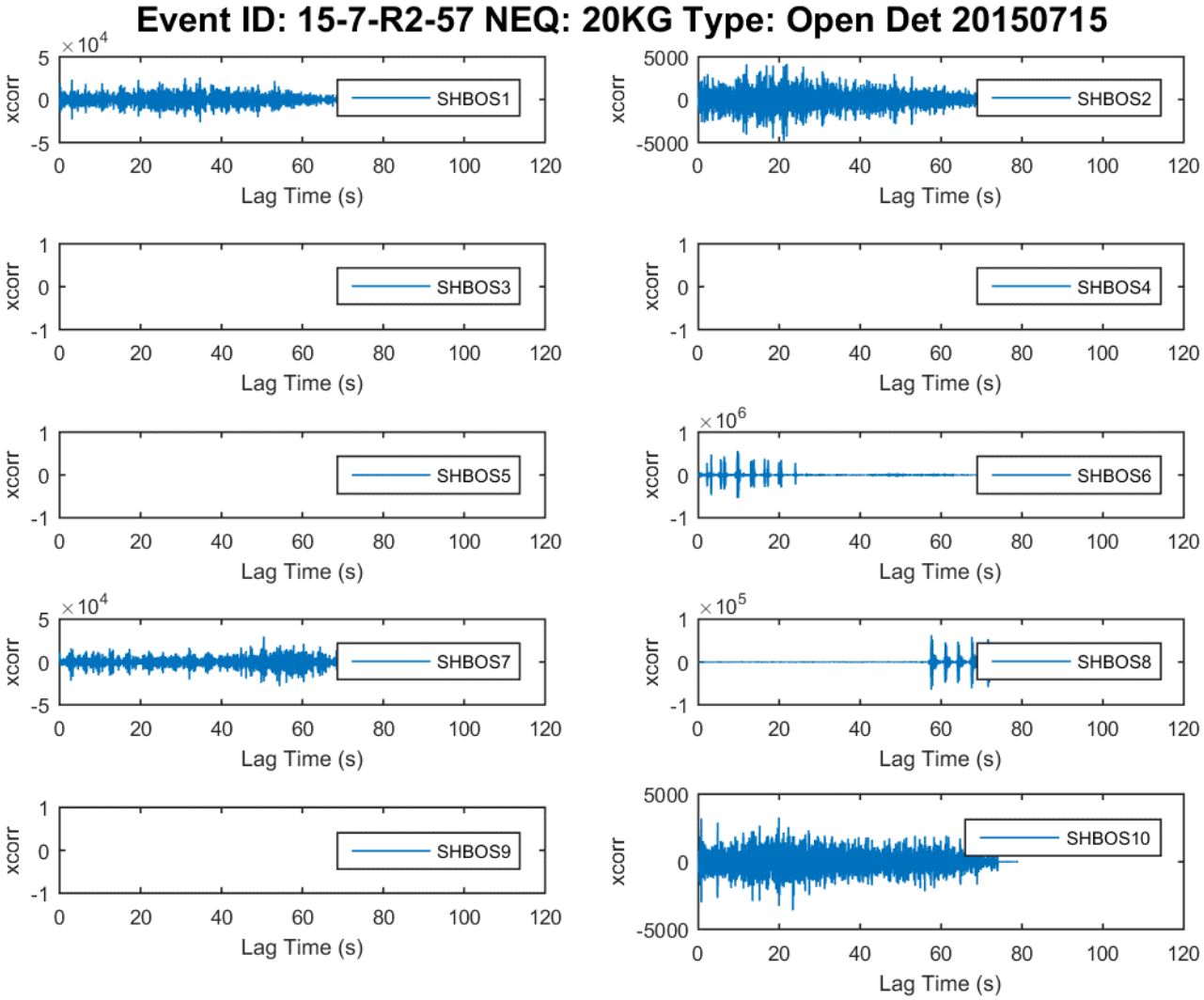


FIGURE 2.440: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-57

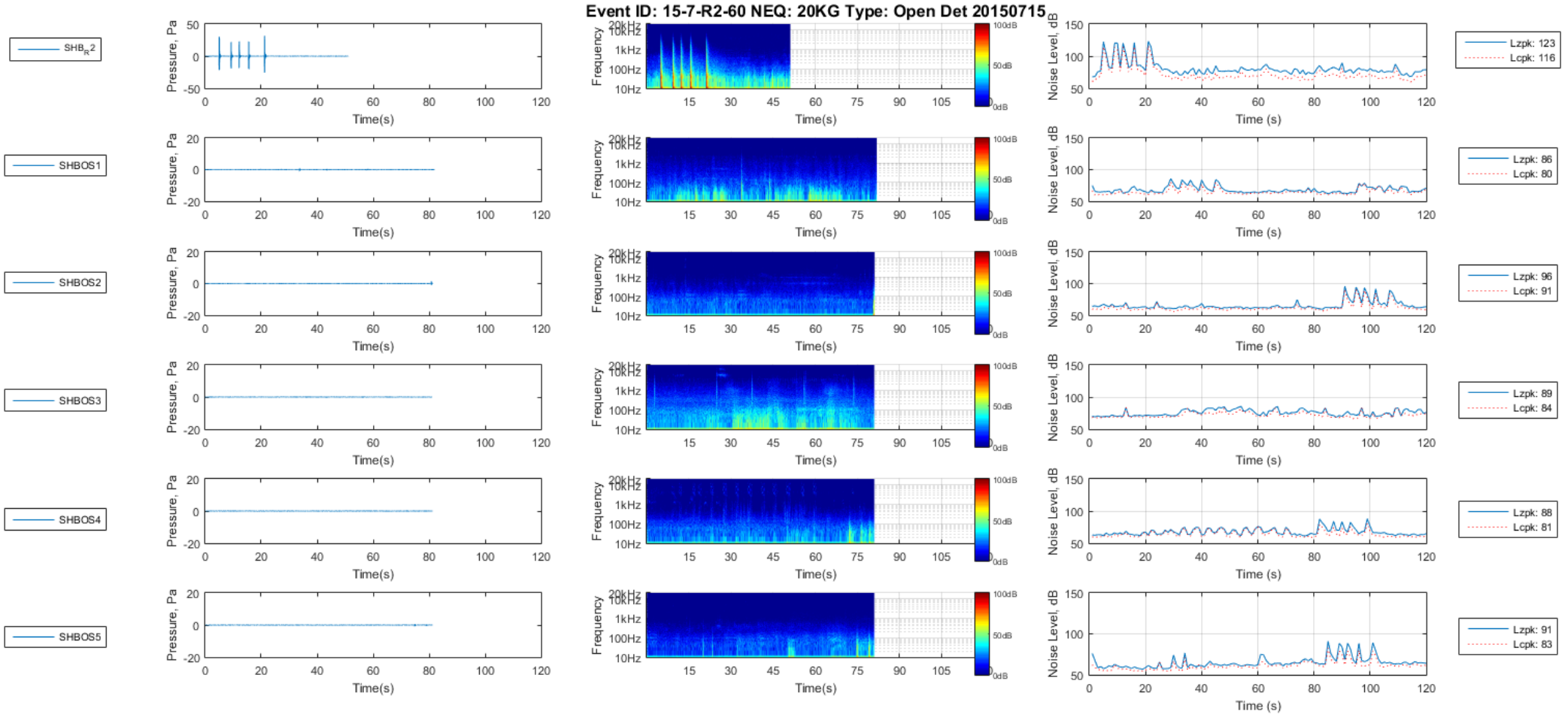


FIGURE 2.441: SHB_OS 1 - 5 15-7-R2-60

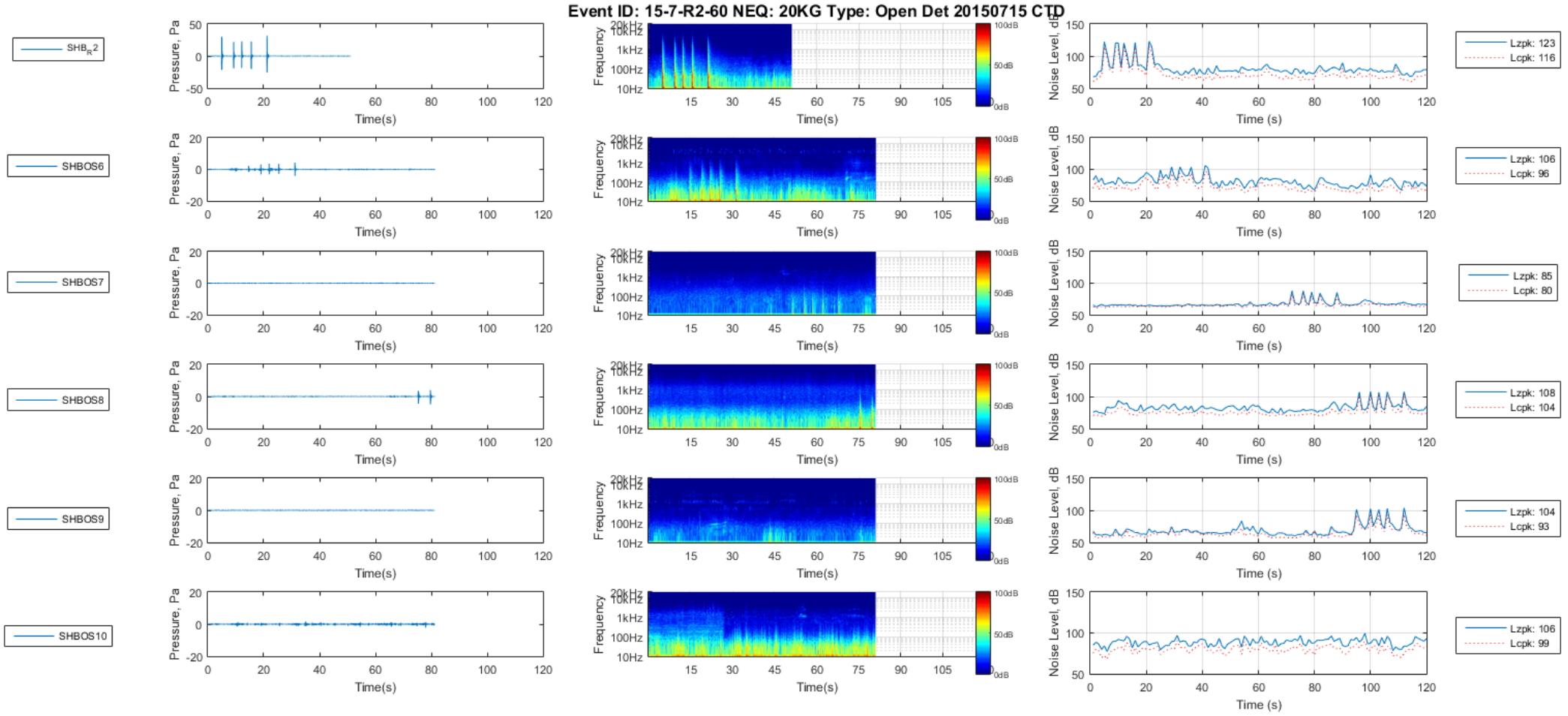


FIGURE 2.442: SHB_OS 6 - 10 15-7-R2-60

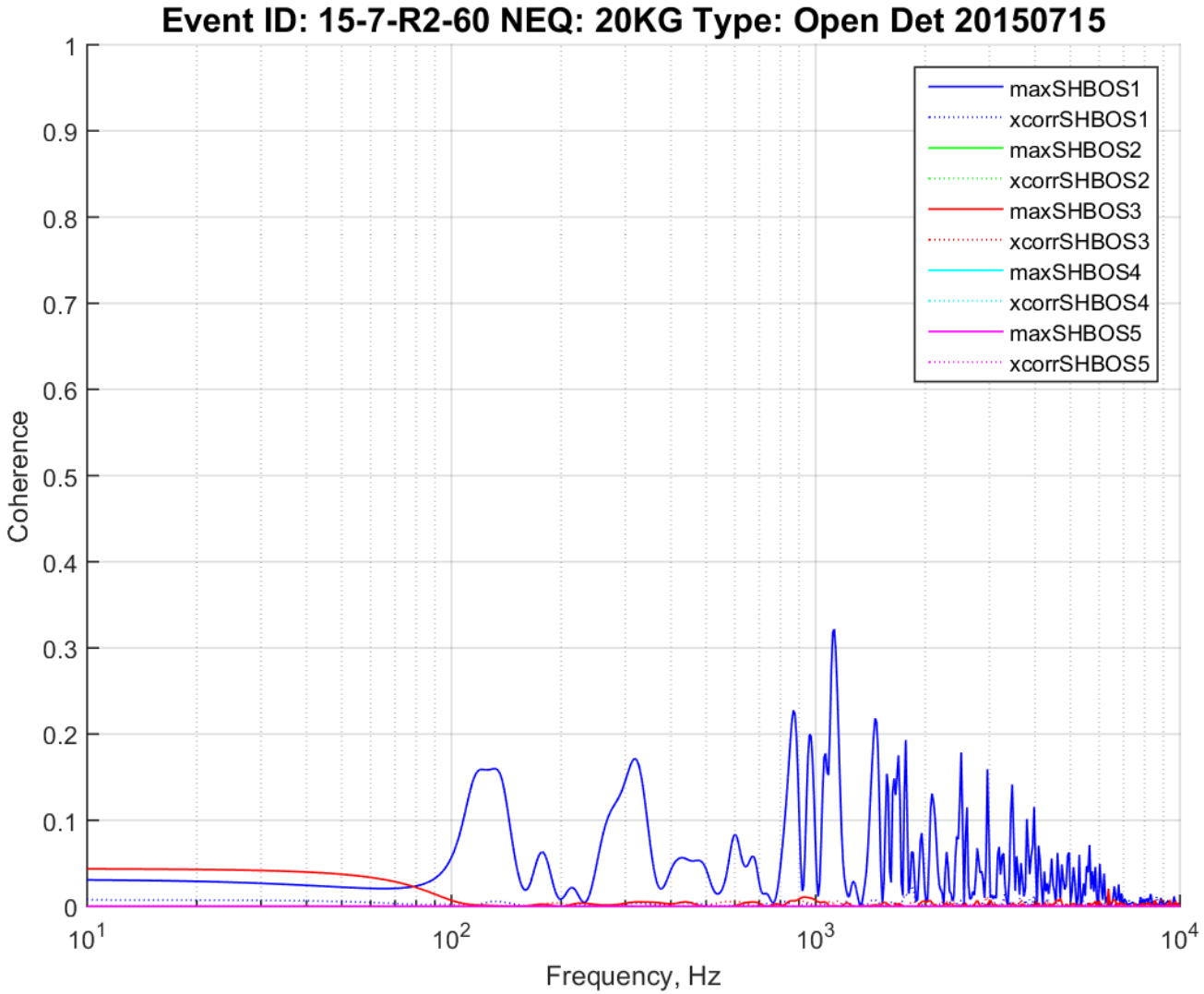


FIGURE 2.443: COHERENCE SHB_OS 1 - 5 15-7-R2-60

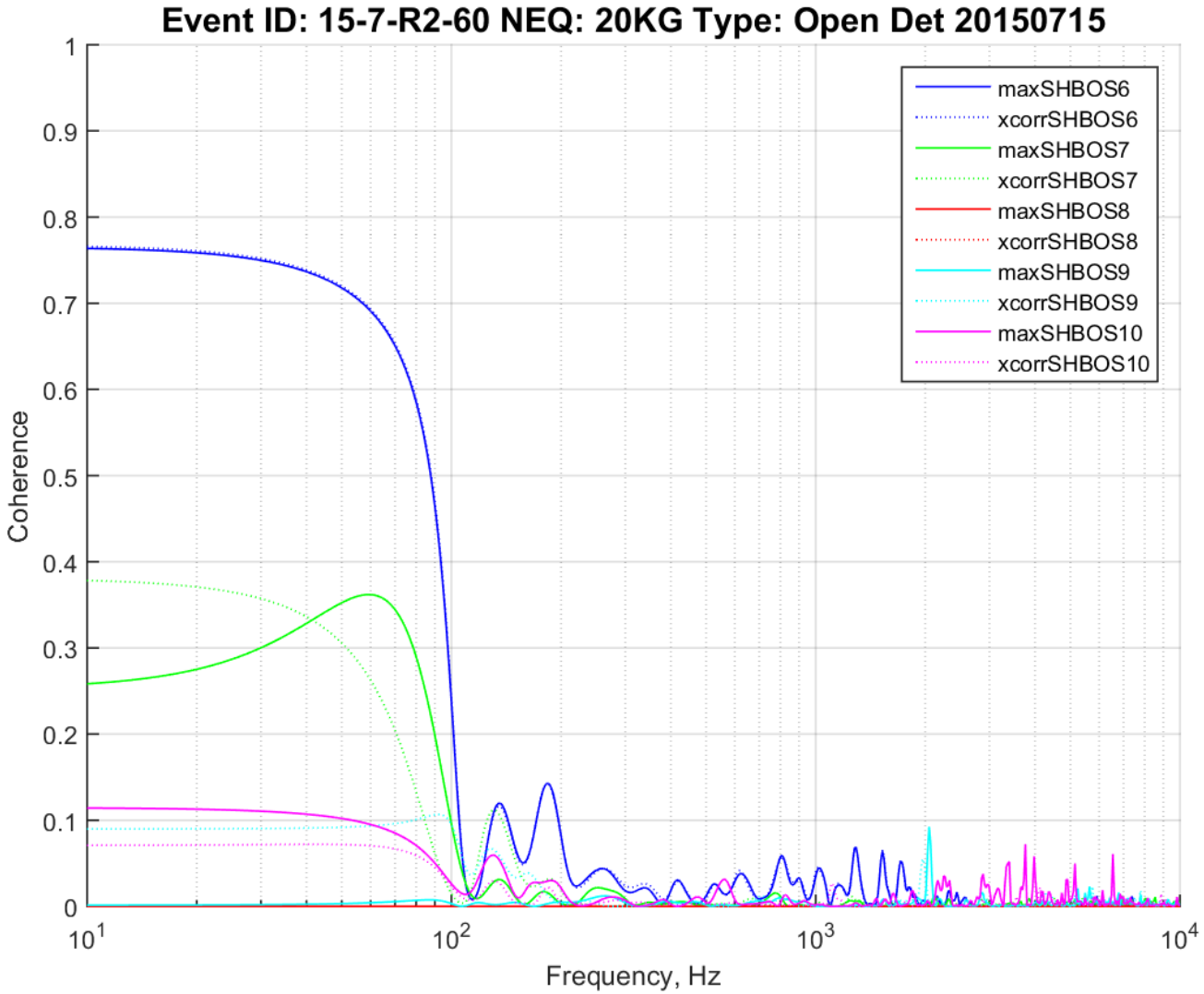


FIGURE 2.444: COHERENCE SHB_OS 6 - 10 15-7-R2-60CTD

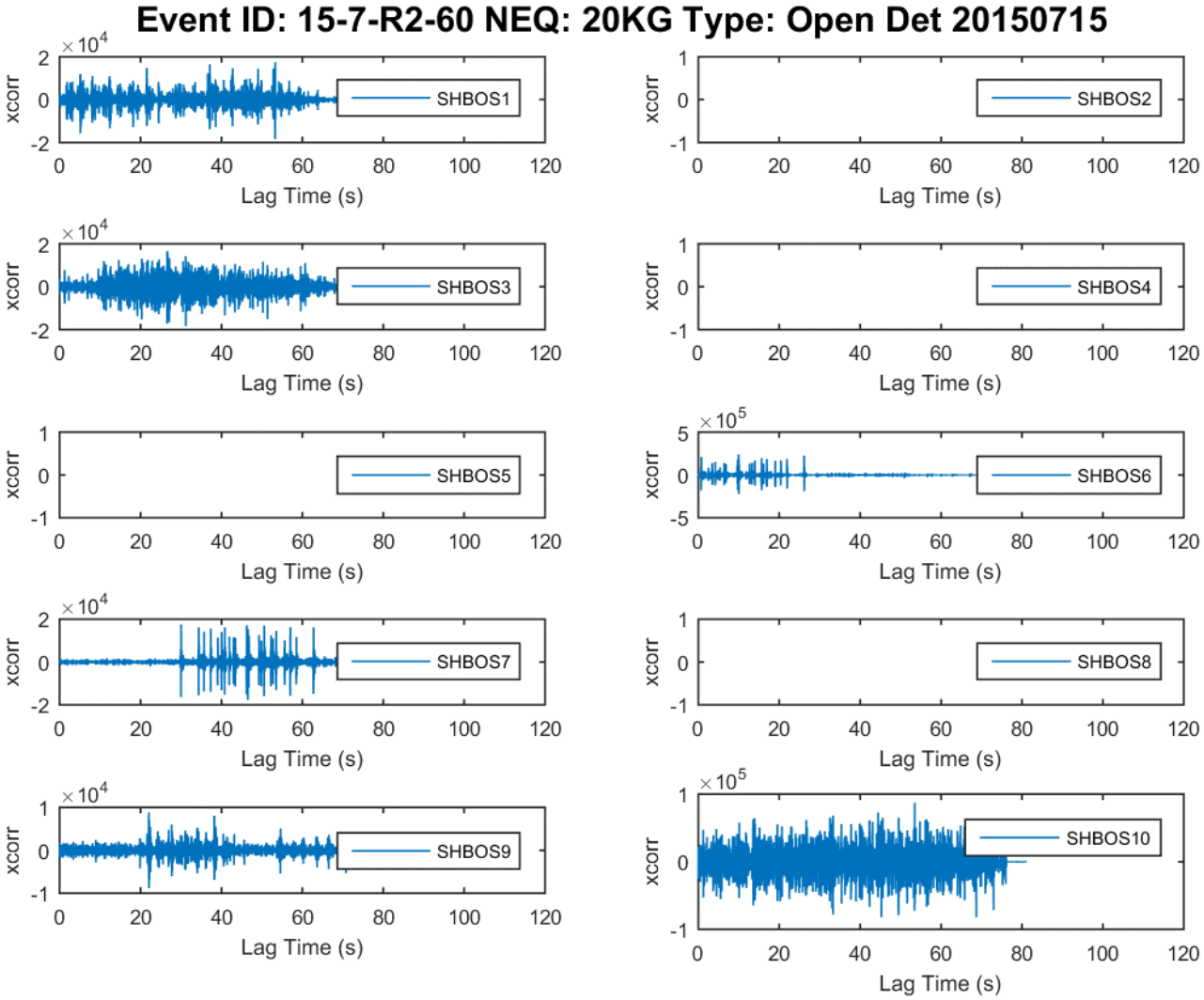


FIGURE 2.445: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-60

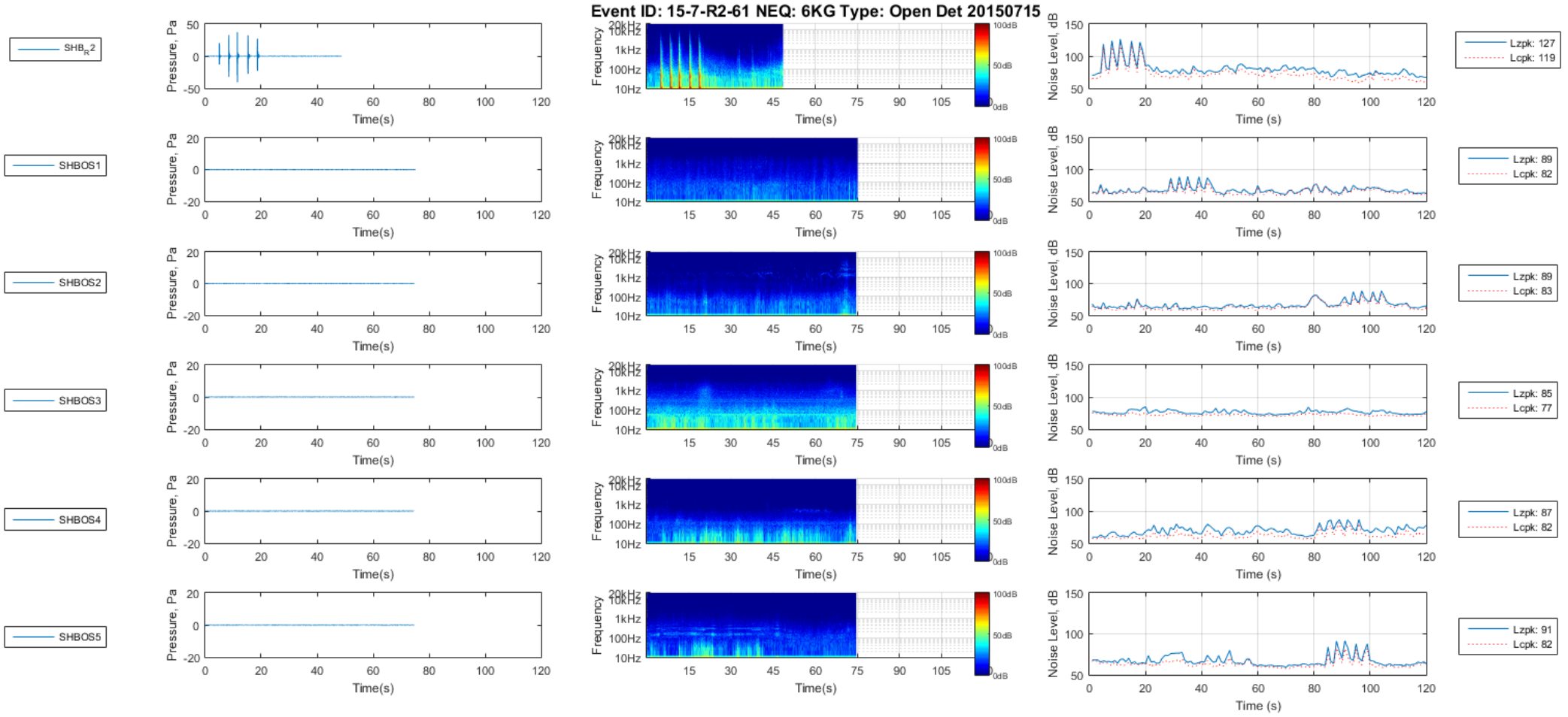


FIGURE 2.446: SHB_OS 1 - 5 15-7-R2-61

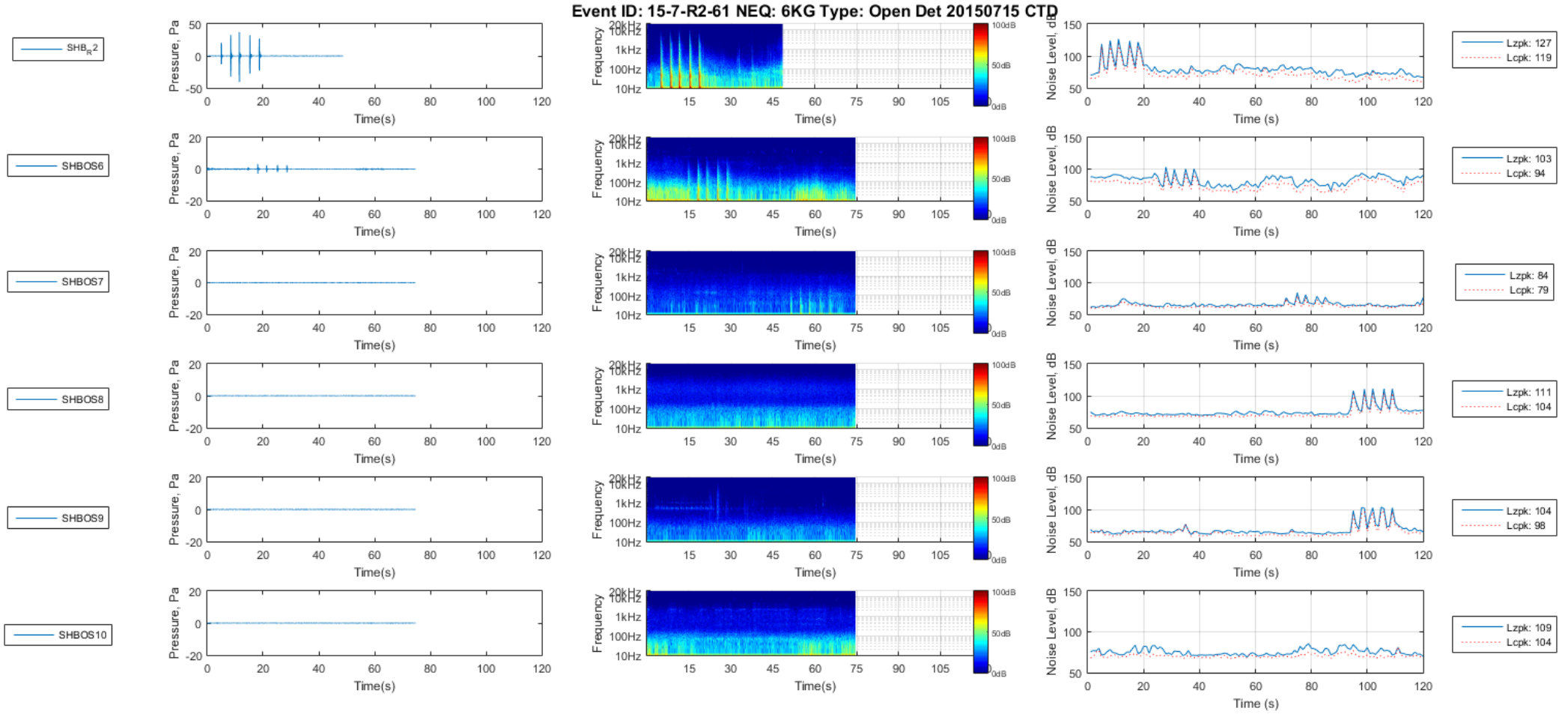


FIGURE 2.447: SHB_OS 6 - 10 15-7-R2-61

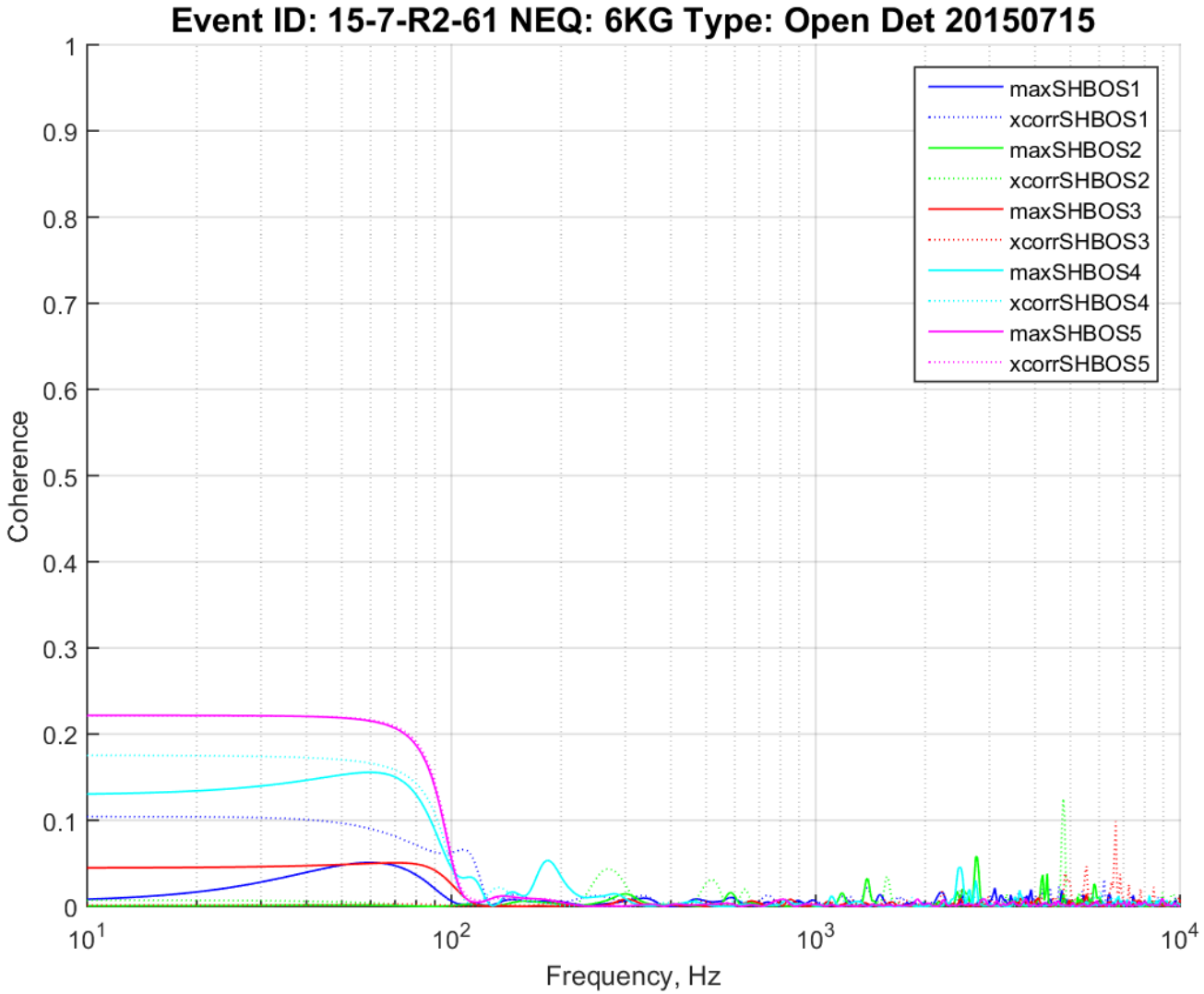


FIGURE 2.448: COHERENCE SHB_OS 1 - 5 15-7-R2-61

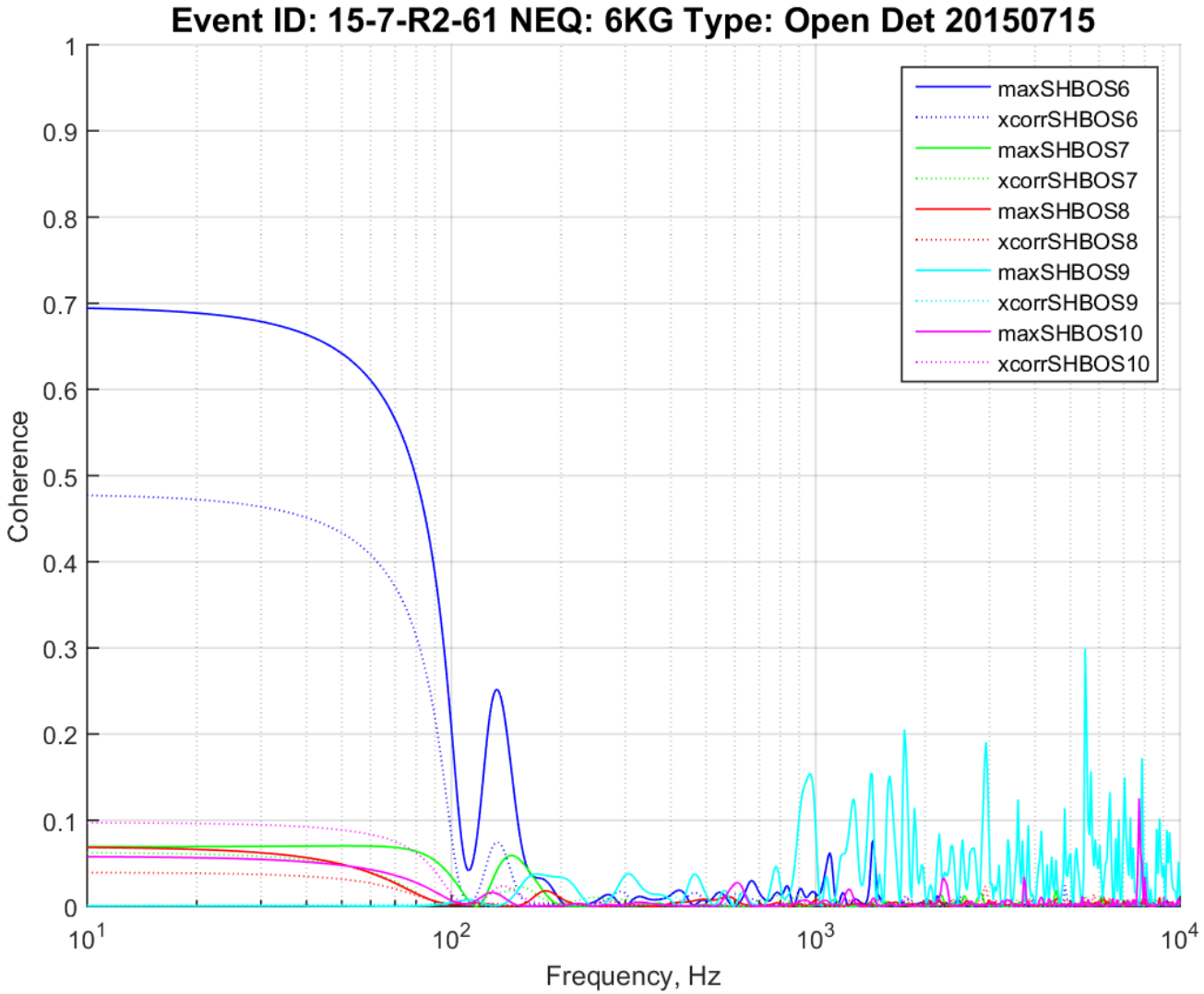


FIGURE 2.449: COHERENCE SHB_OS 6 - 10 15-7-R2-61CTD

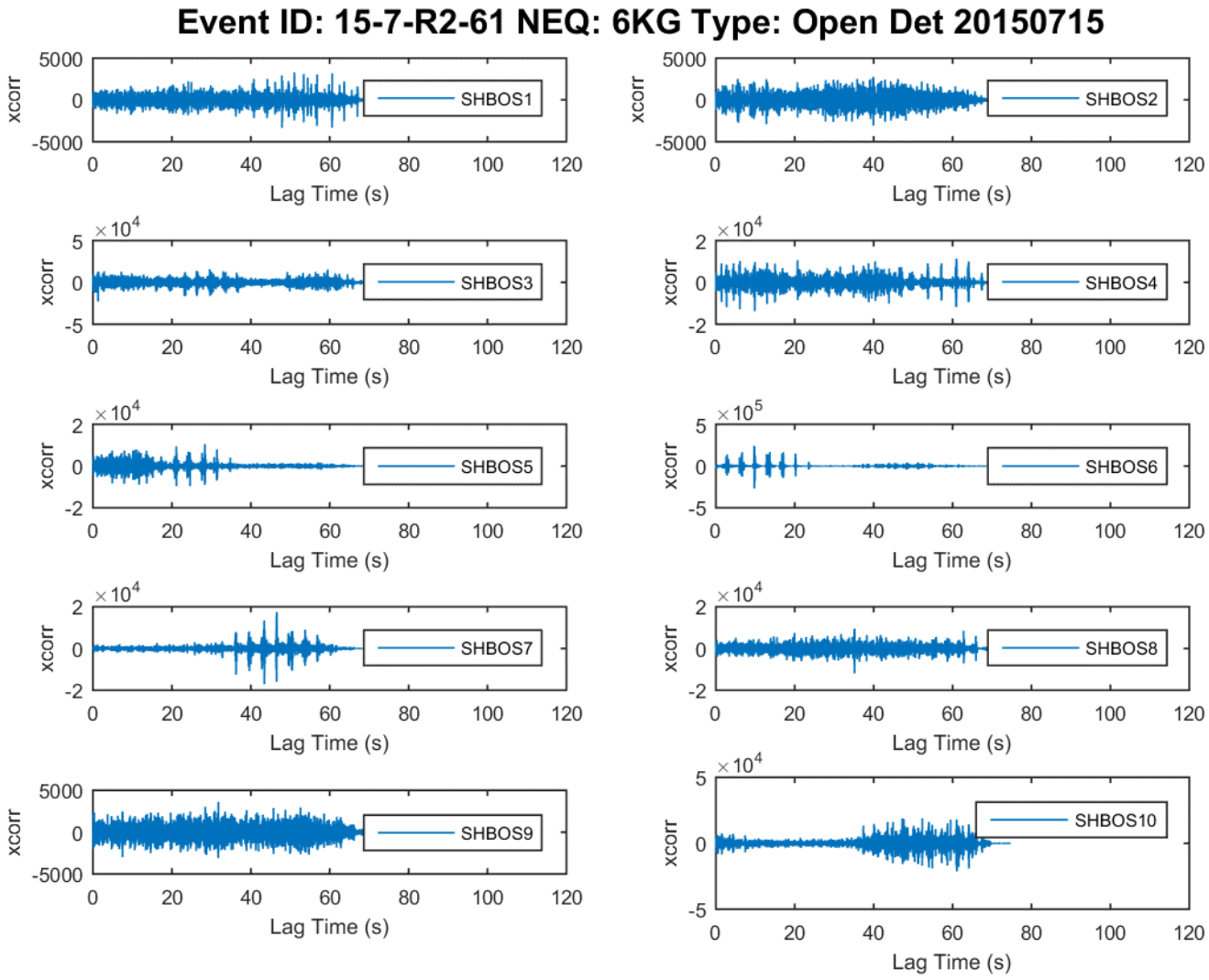
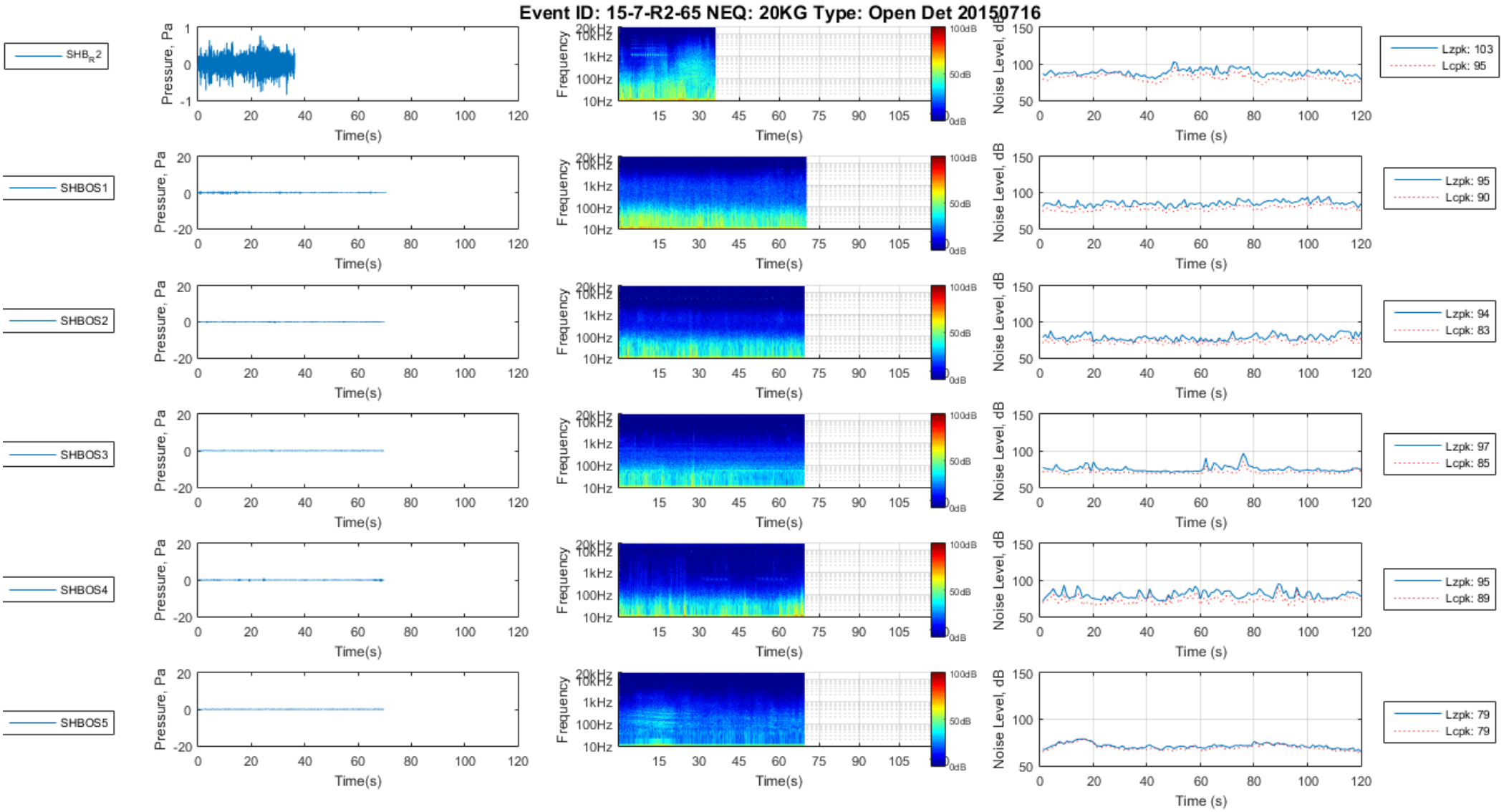
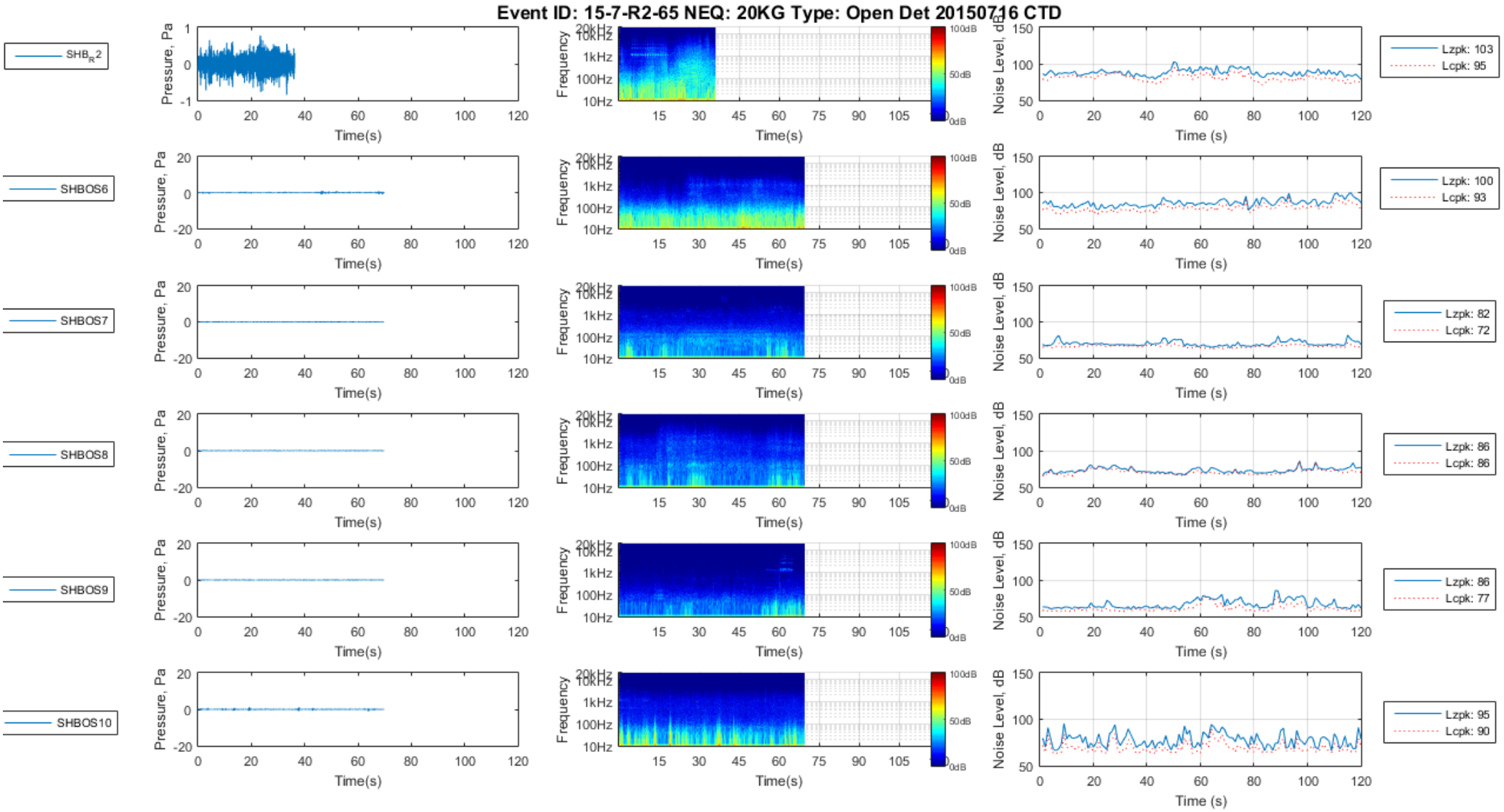


FIGURE 2.450: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-61


Event ID: 15-7-R2-65 NEQ: 20KG Type: Open Det 20150716
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 103
Lcpk: 95
Lzpk: 95
Lcpk: 90
Lzpk: 94
Lcpk: 83
Lzpk: 97
Lcpk: 85
Lzpk: 95
Lcpk: 89
Lzpk: 79
Lcpk: 79


Event ID: 15-7-R2-65 NEQ: 20KG Type: Open Det 20150716 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Frequency
Noise Level, dB
Time(s)
Time (s)
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Lzpk: 103
Lcpk: 95
Lzpk: 100
Lcpk: 93
Lzpk: 82
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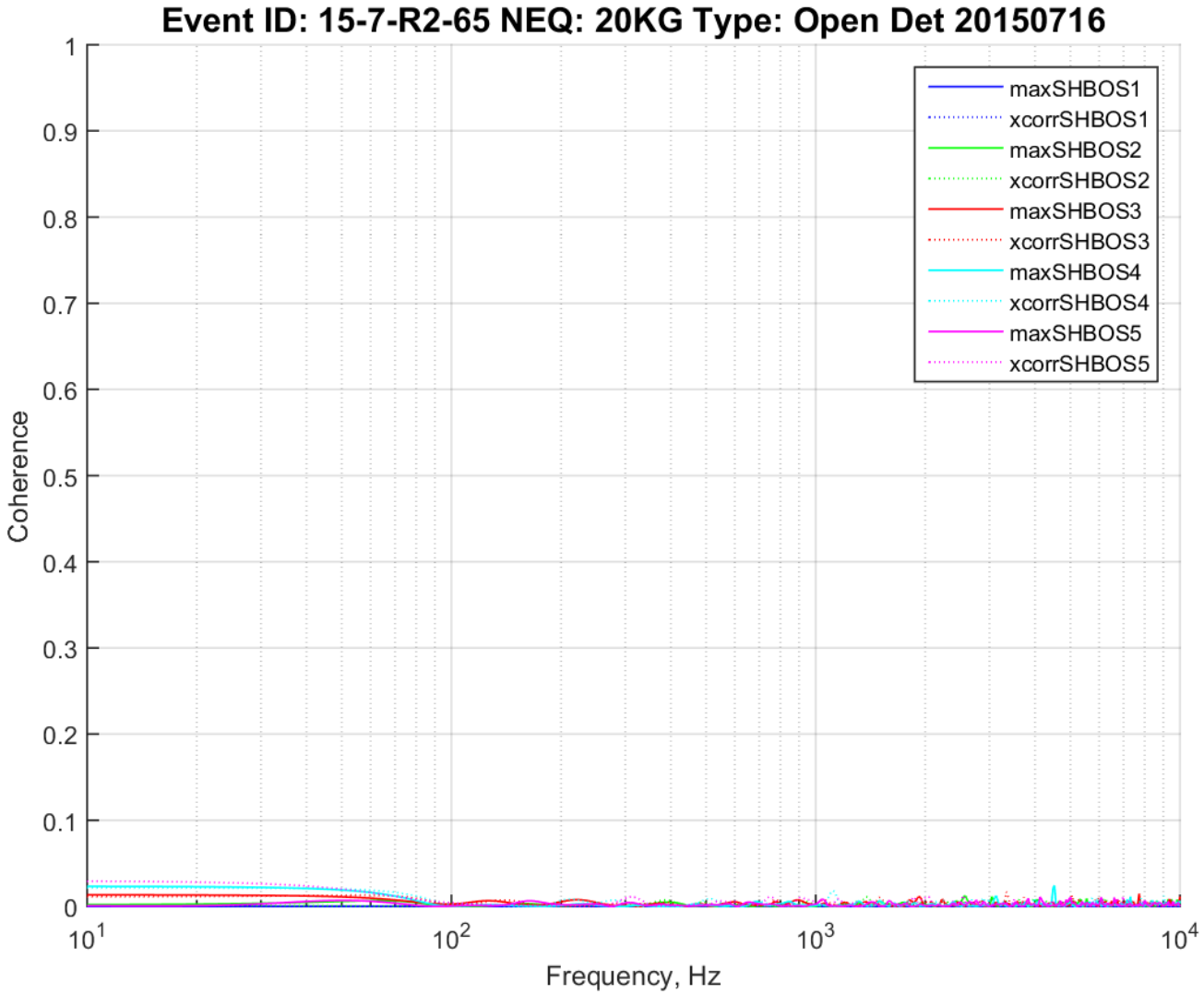


FIGURE 2.453: COHERENCE SHB_OS 1 - 5 15-7-R2-65

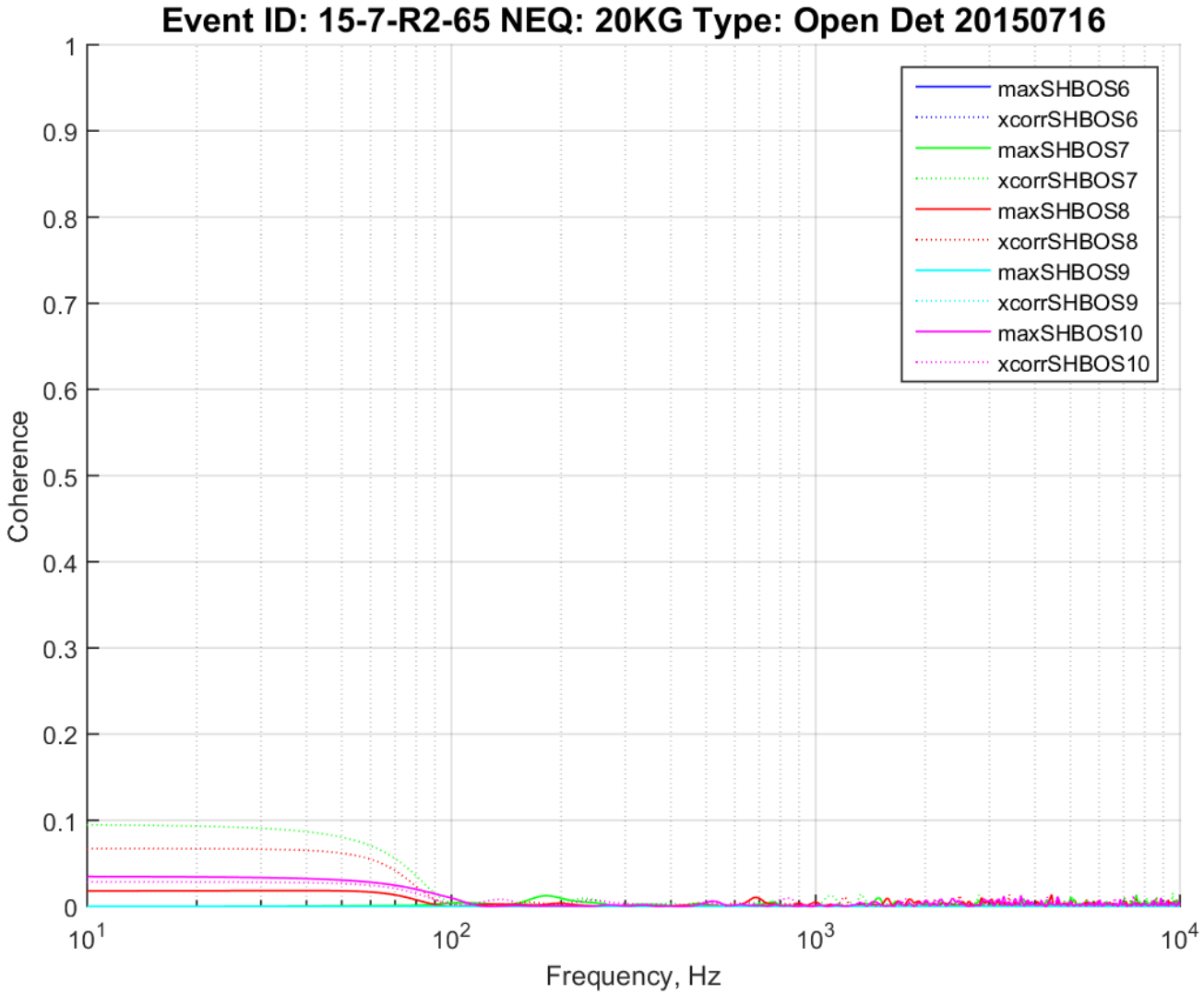


FIGURE 2.454: COHERENCE SHB_OS 6 - 10 15-7-R2-65CTD

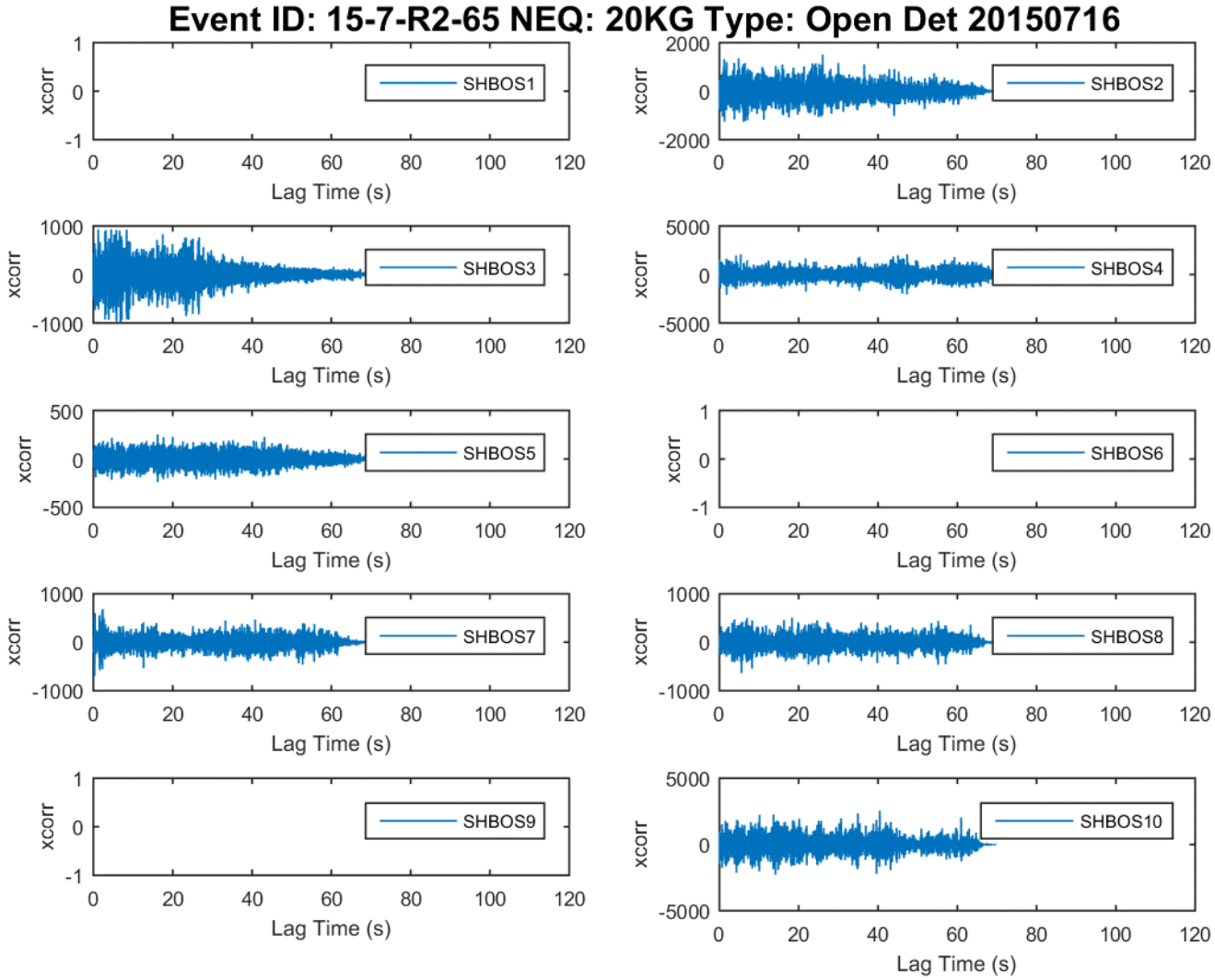
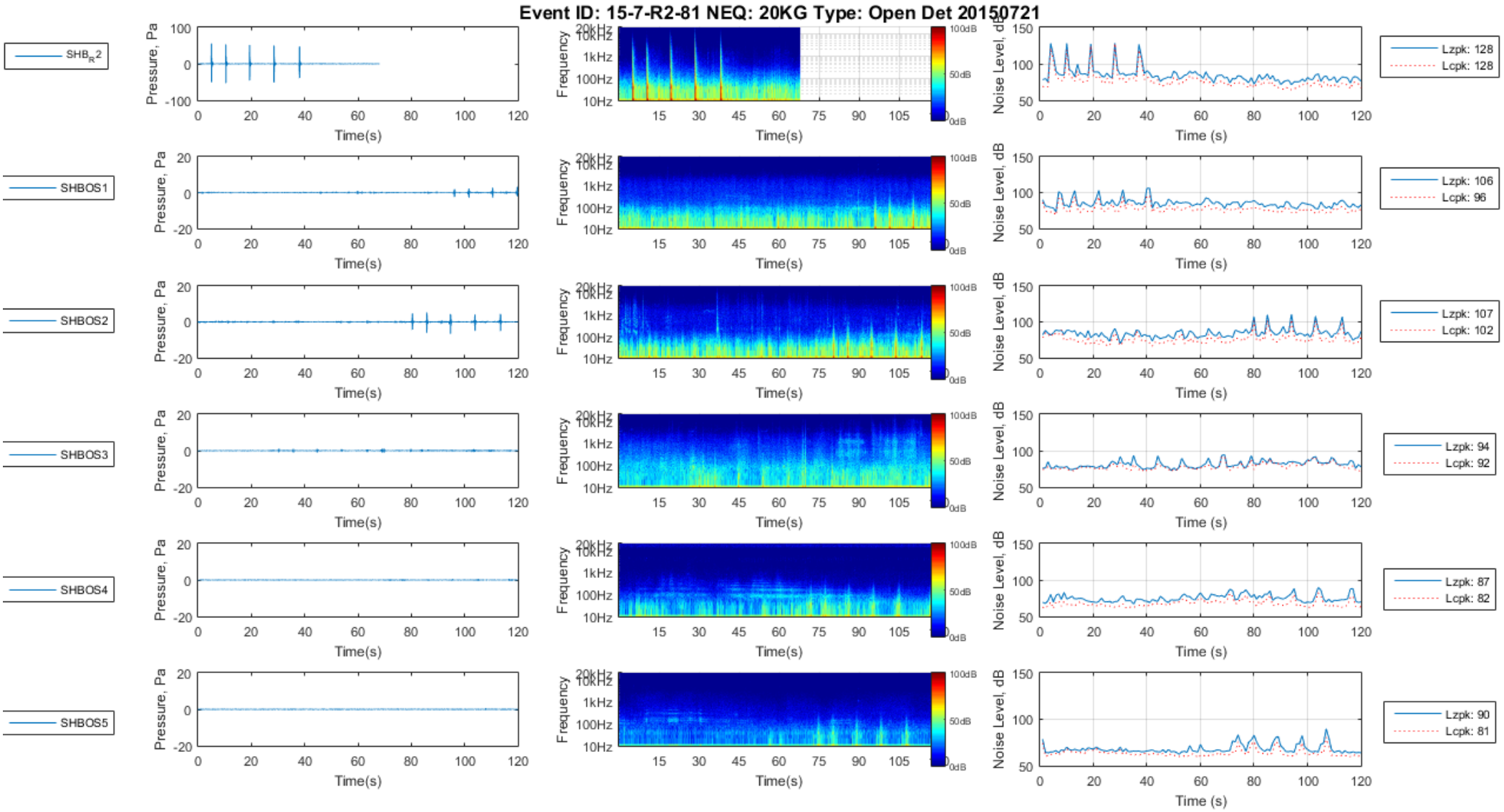
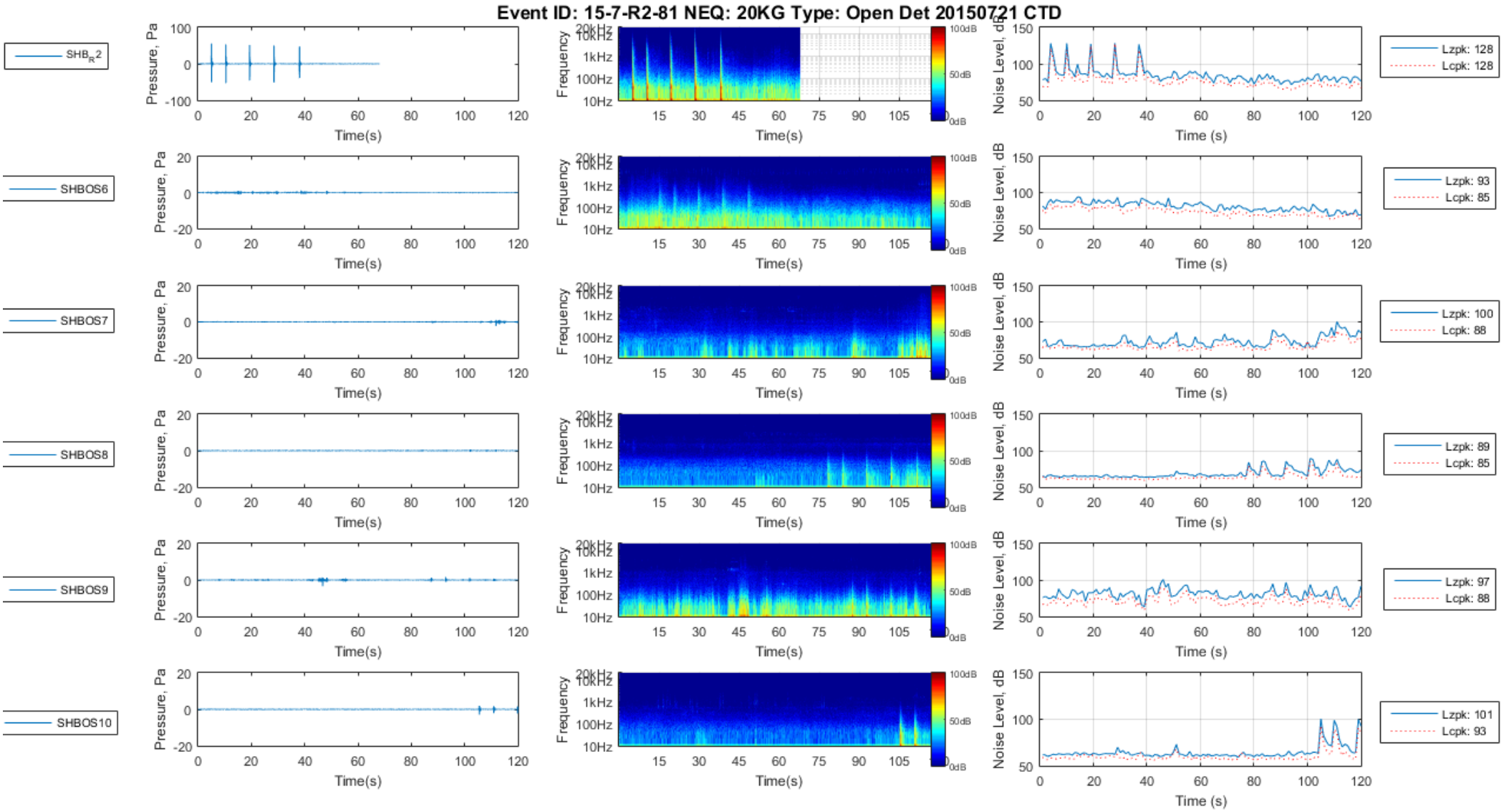


FIGURE 2.455: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-65


Event ID: 15-7-R2-81 NEQ: 20KG Type: Open Det 20150721
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 128
Lcpk: 128
Lzpk: 106
Lcpk: 96
Lzpk: 107
Lcpk: 102
Lzpk: 94
Lcpk: 92
Lzpk: 87
Lcpk: 82
Lzpk: 90
Lcpk: 81


Event ID: 15-7-R2-81 NEQ: 20KG Type: Open Det 20150721 CTD
SHB$_R$2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 128
Lcpk: 128
Lzpk: 93
Lcpk: 85
Lzpk: 100
Lcpk: 88
Lzpk: 89
Lcpk: 85
Lzpk: 97
Lcpk: 88
Lzpk: 101
Lcpk: 93

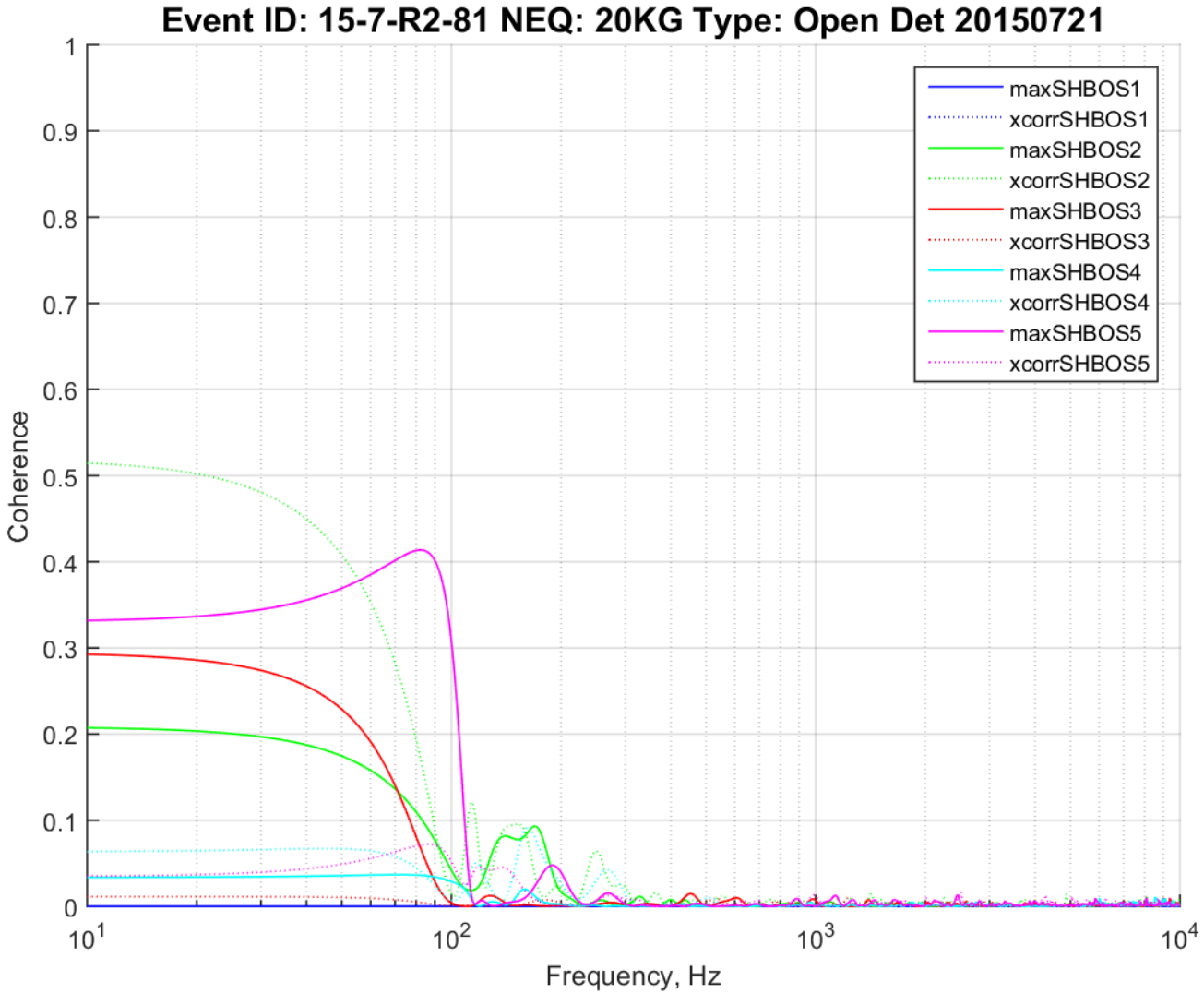


FIGURE 2.458: COHERENCE SHB_OS 1 - 5 15-7-R2-81

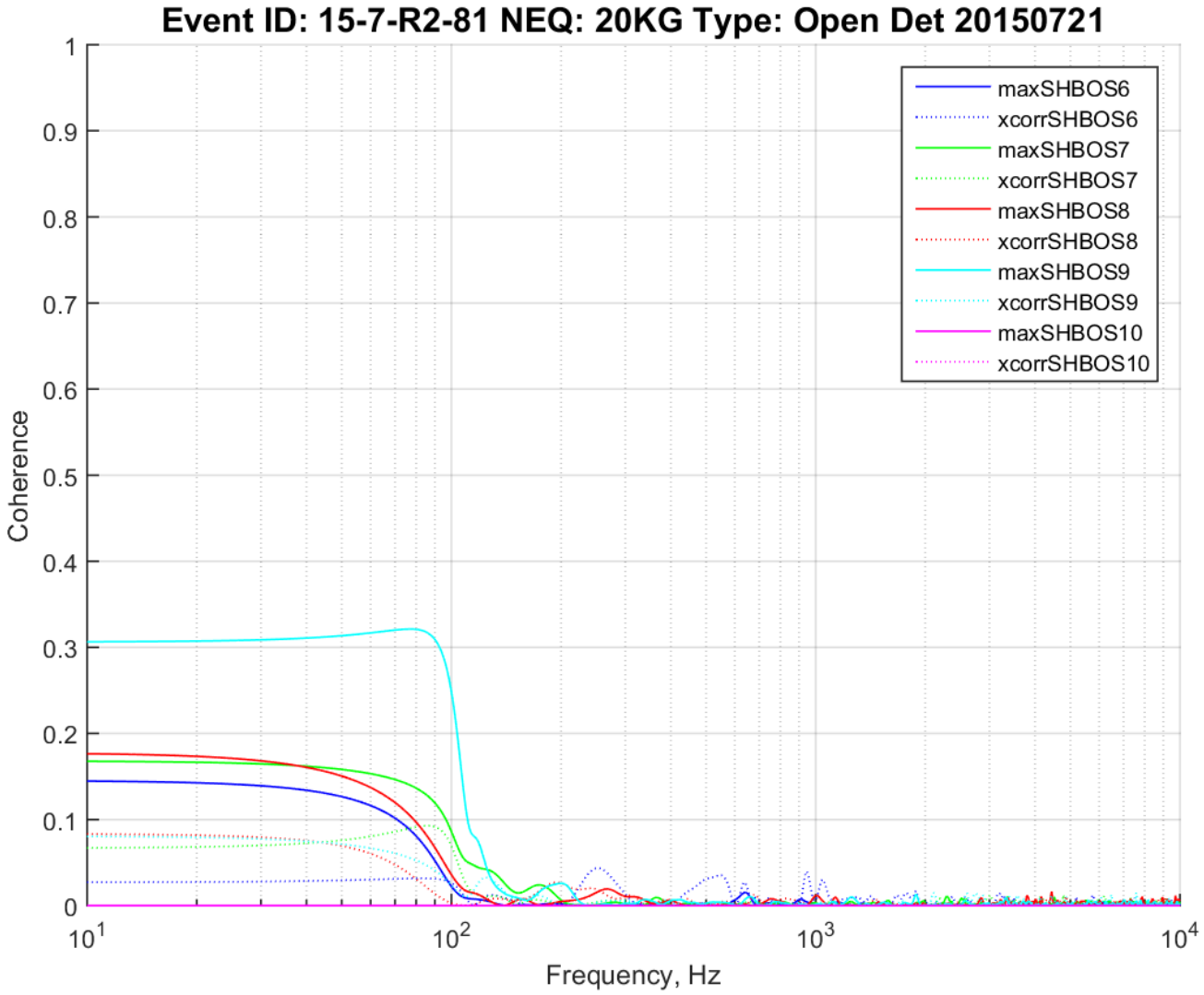


FIGURE 2.459: COHERENCE SHB_OS 6 - 10 15-7-R2-81CTD

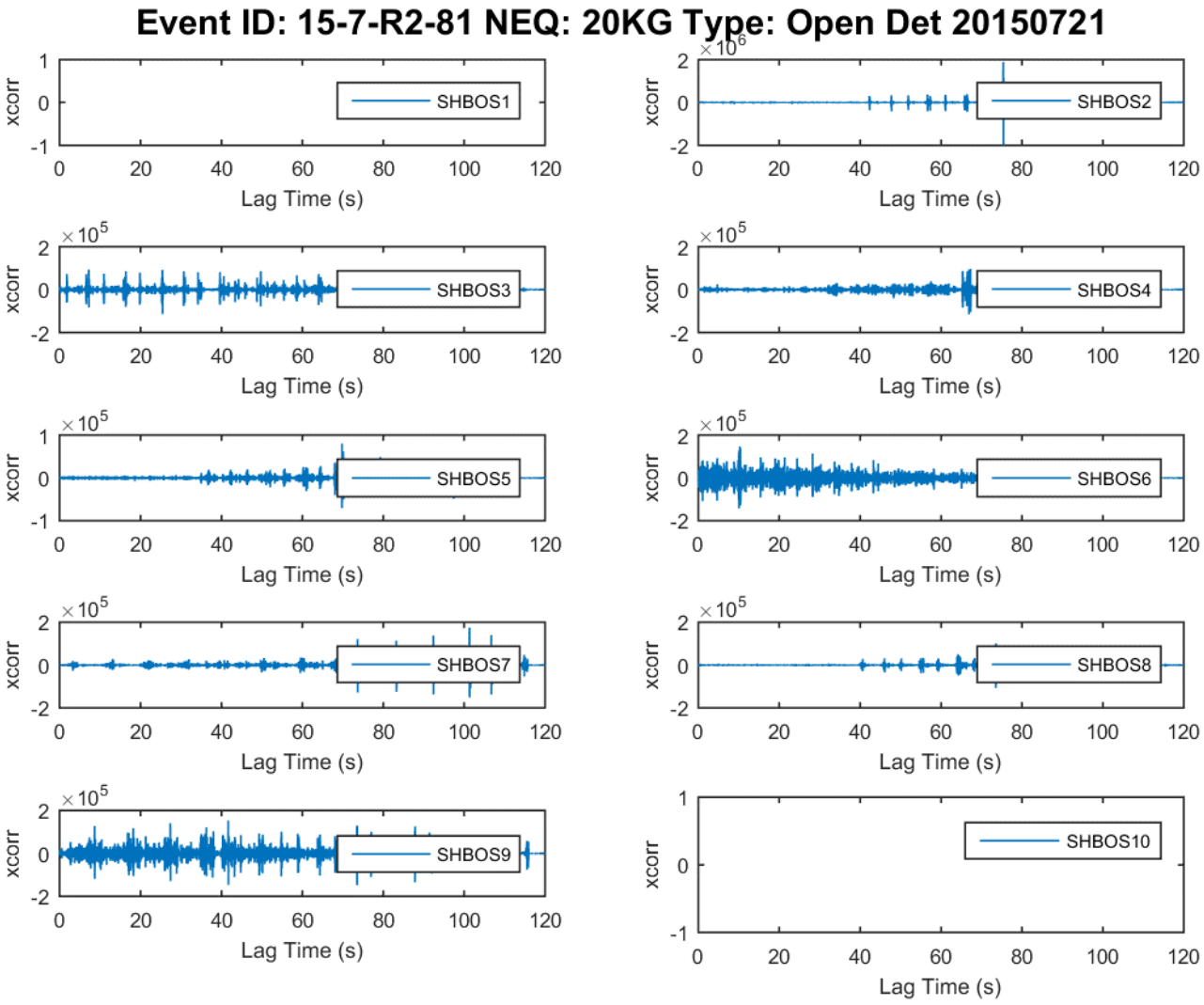
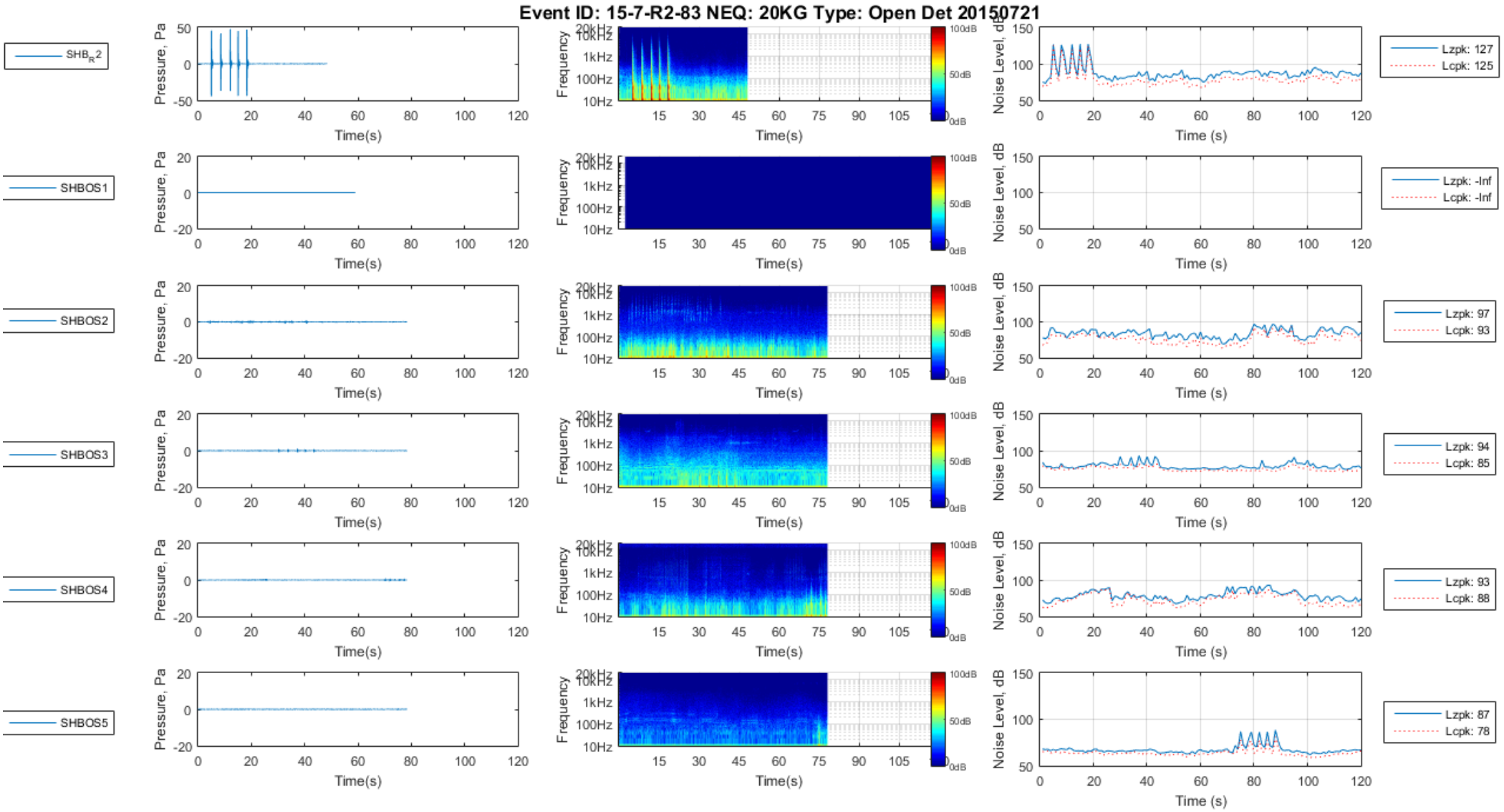
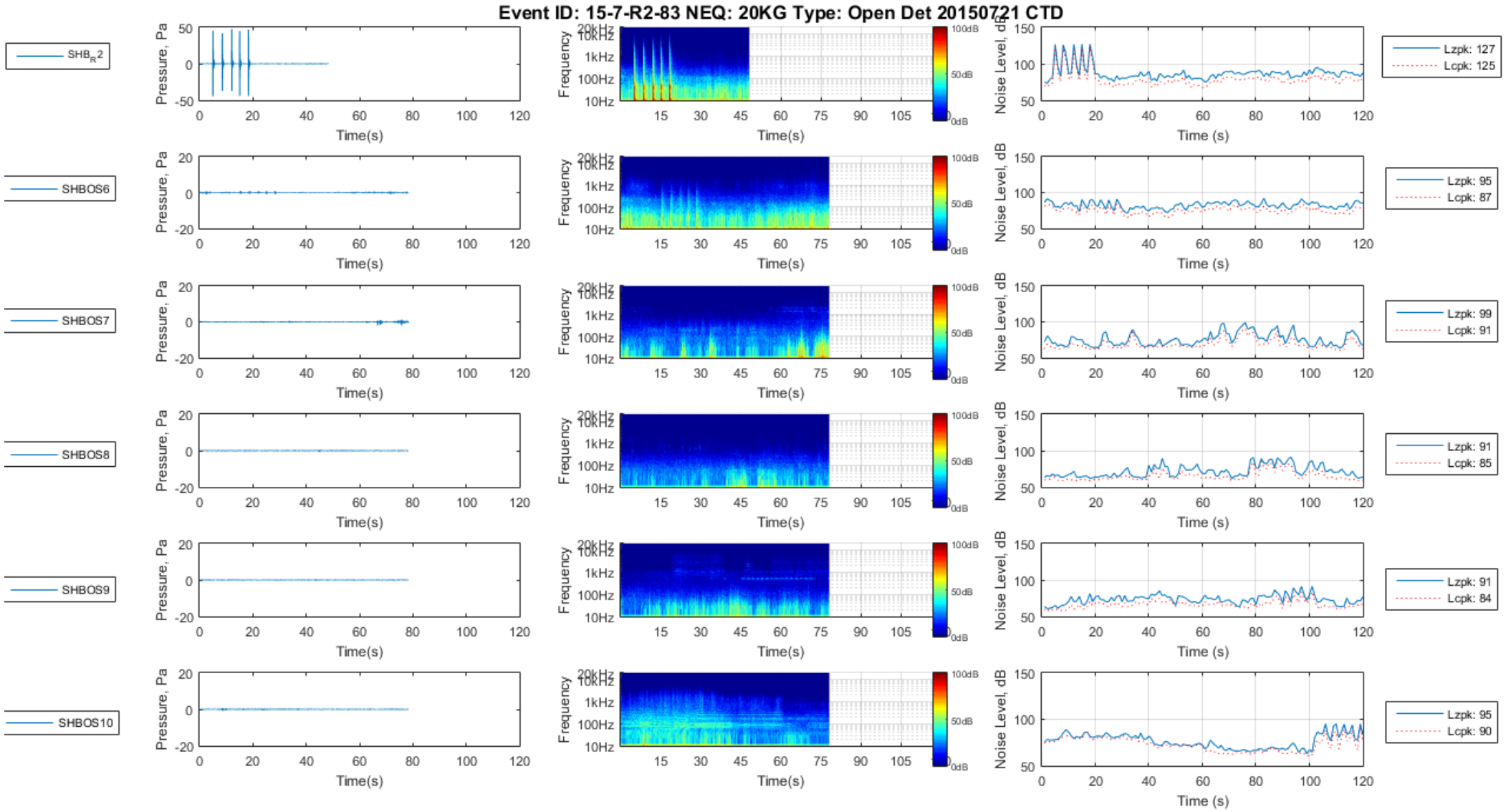


FIGURE 2.460: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-81


Event ID: 15-7-R2-83 NEQ: 20KG Type: Open Det 20150721
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 127
Lcpk: 125
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 97
Lcpk: 93
Lzpk: 94
Lcpk: 85
Lzpk: 93
Lcpk: 88
Lzpk: 87
Lcpk: 78


Event ID: 15-7-R2-83 NEQ: 20KG Type: Open Det 20150721 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 127
Lcpk: 125
Lzpk: 95
Lcpk: 87
Lzpk: 99
Lcpk: 91
Lzpk: 91
Lcpk: 85
Lzpk: 91
Lcpk: 84
Lzpk: 95
Lcpk: 90

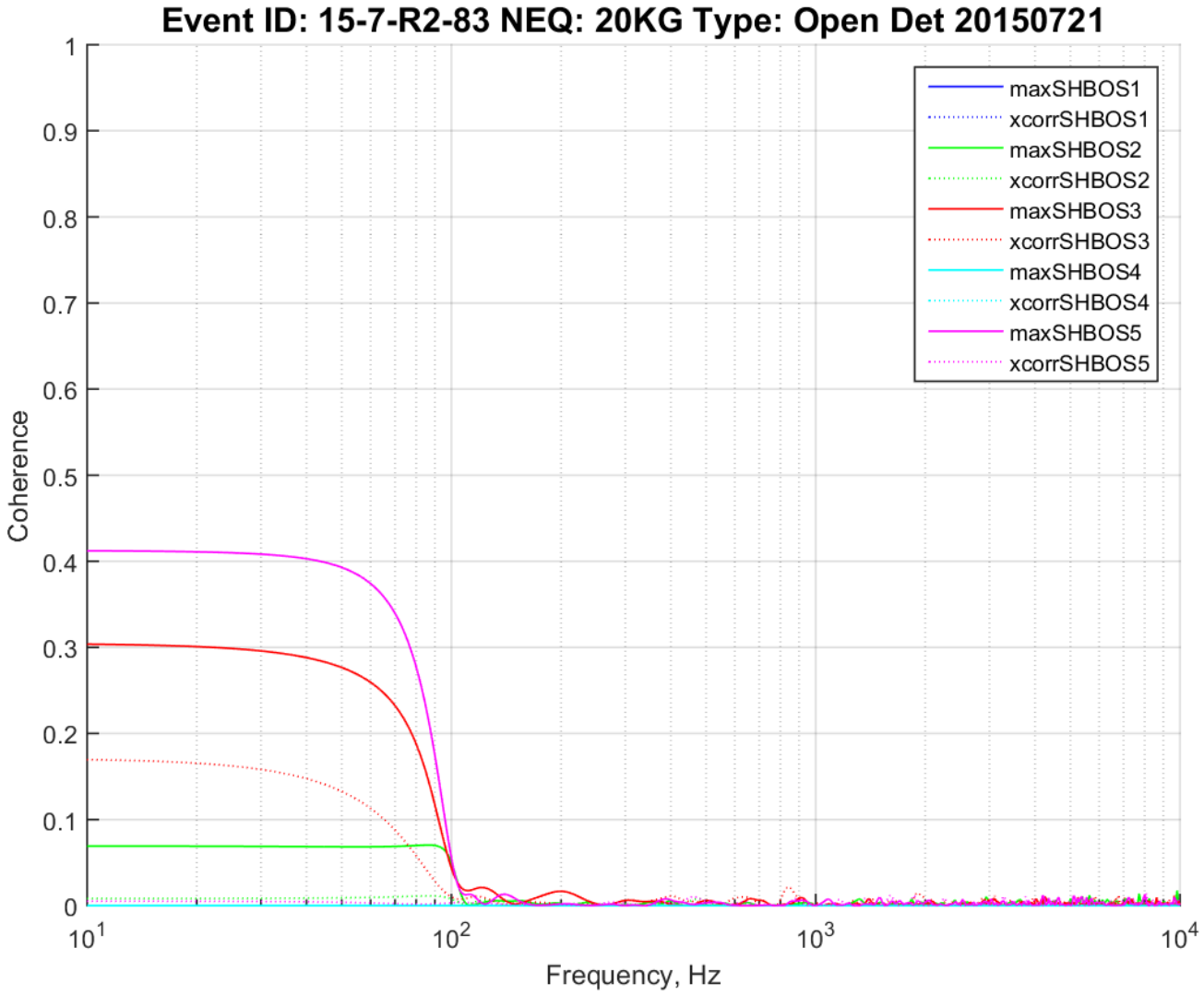


FIGURE 2.463: COHERENCE SHB_OS 1 - 5 15-7-R2-83

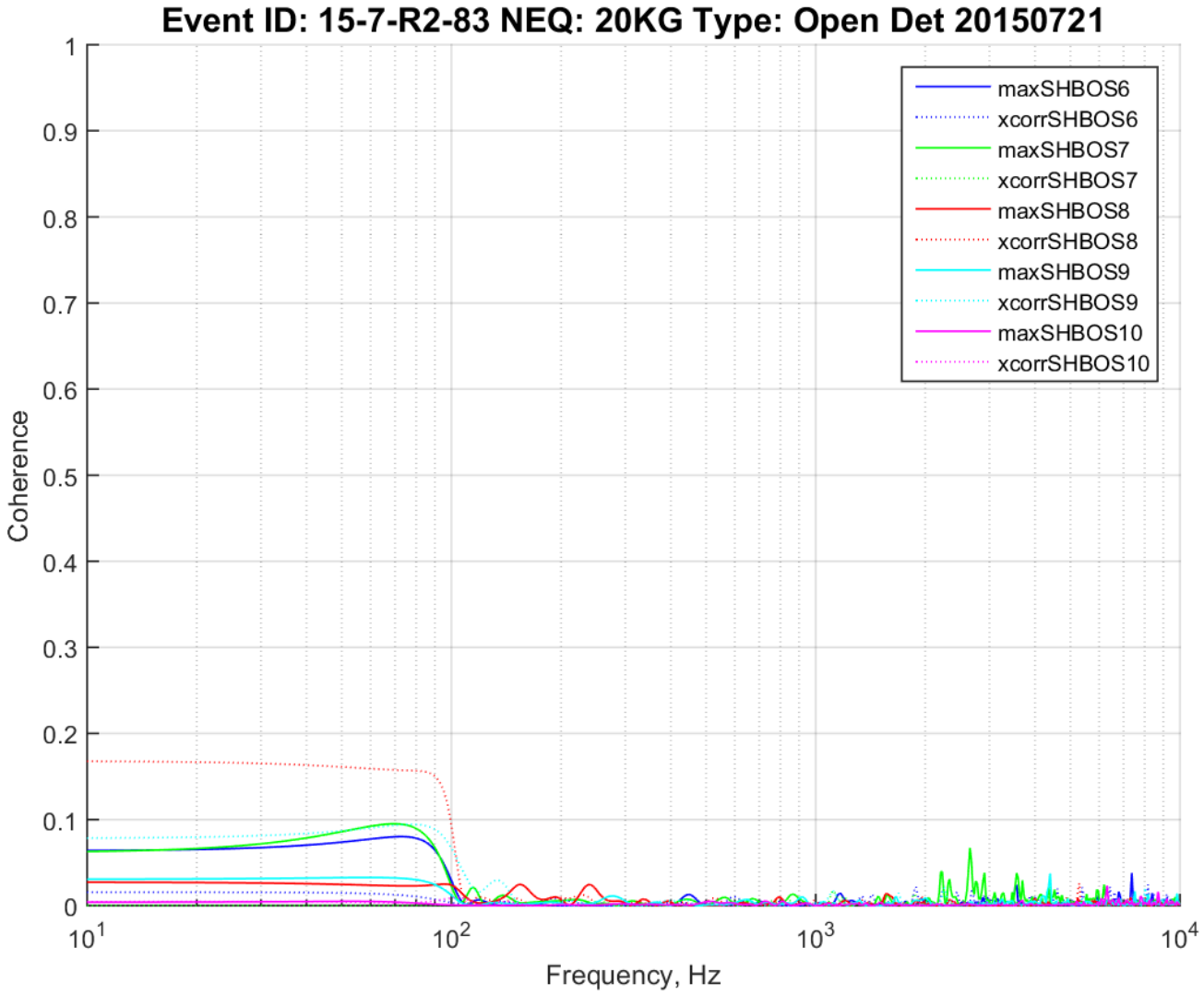


FIGURE 2.464: COHERENCE SHB_OS 6 - 10 15-7-R2-83CTD

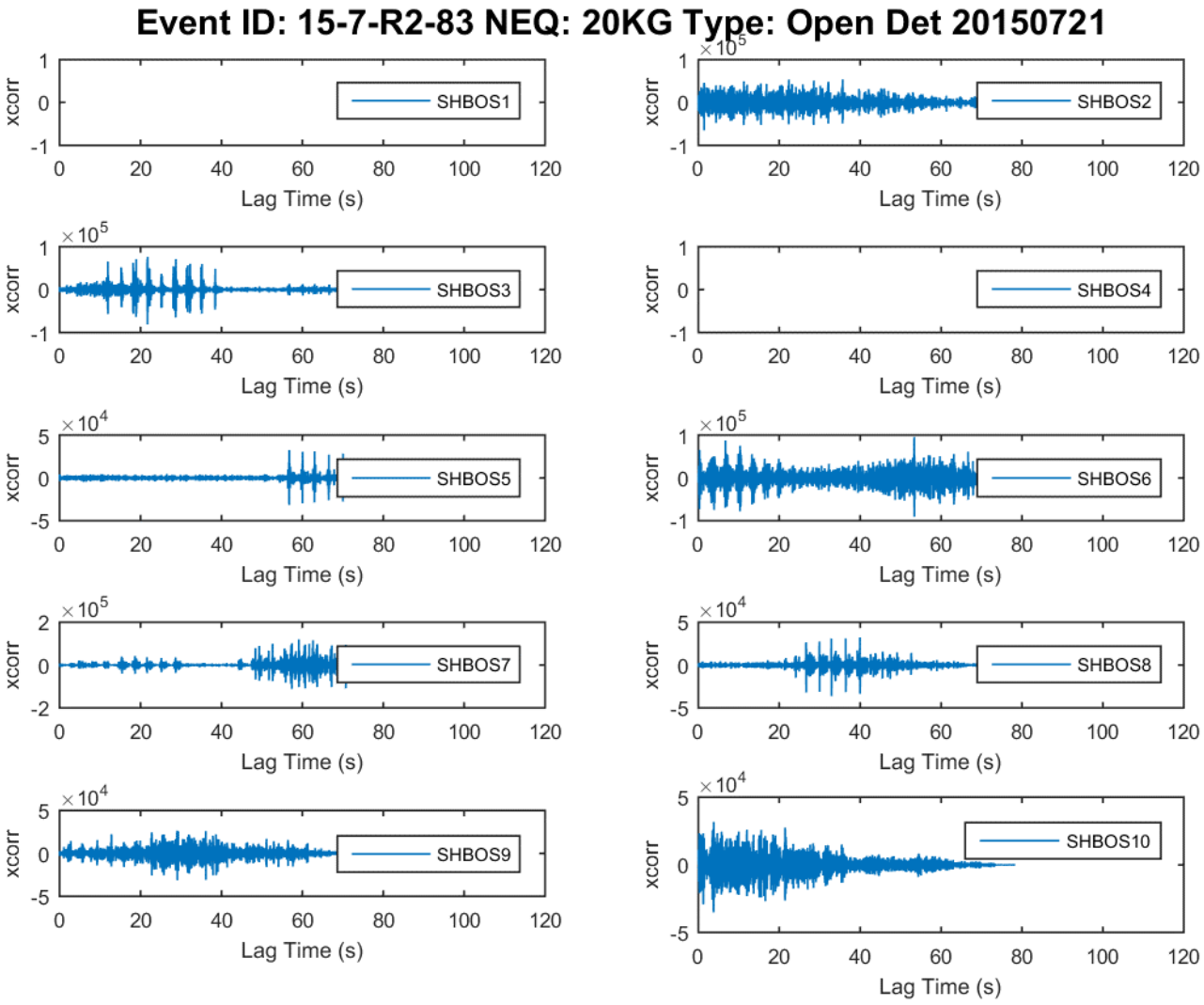
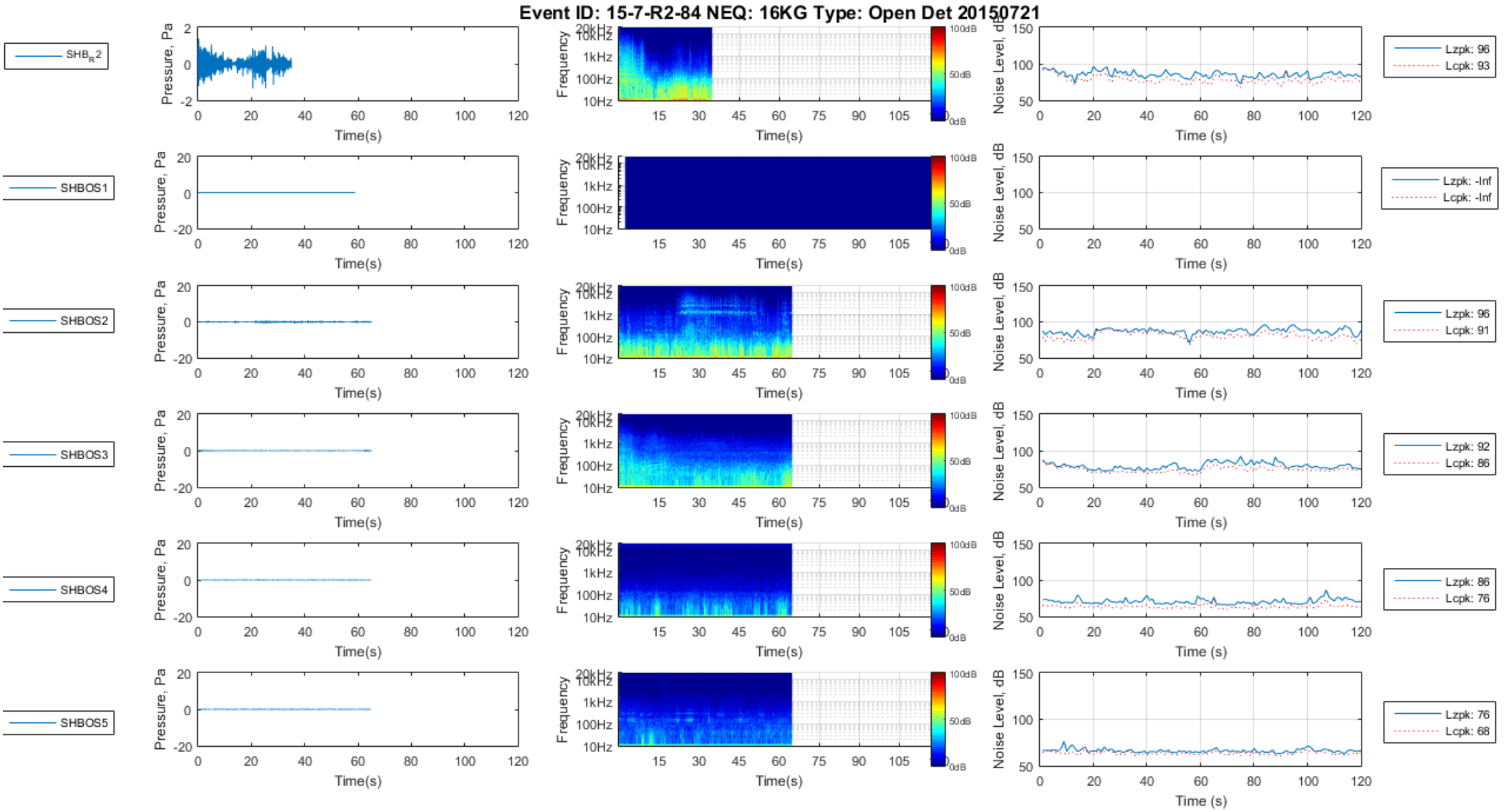
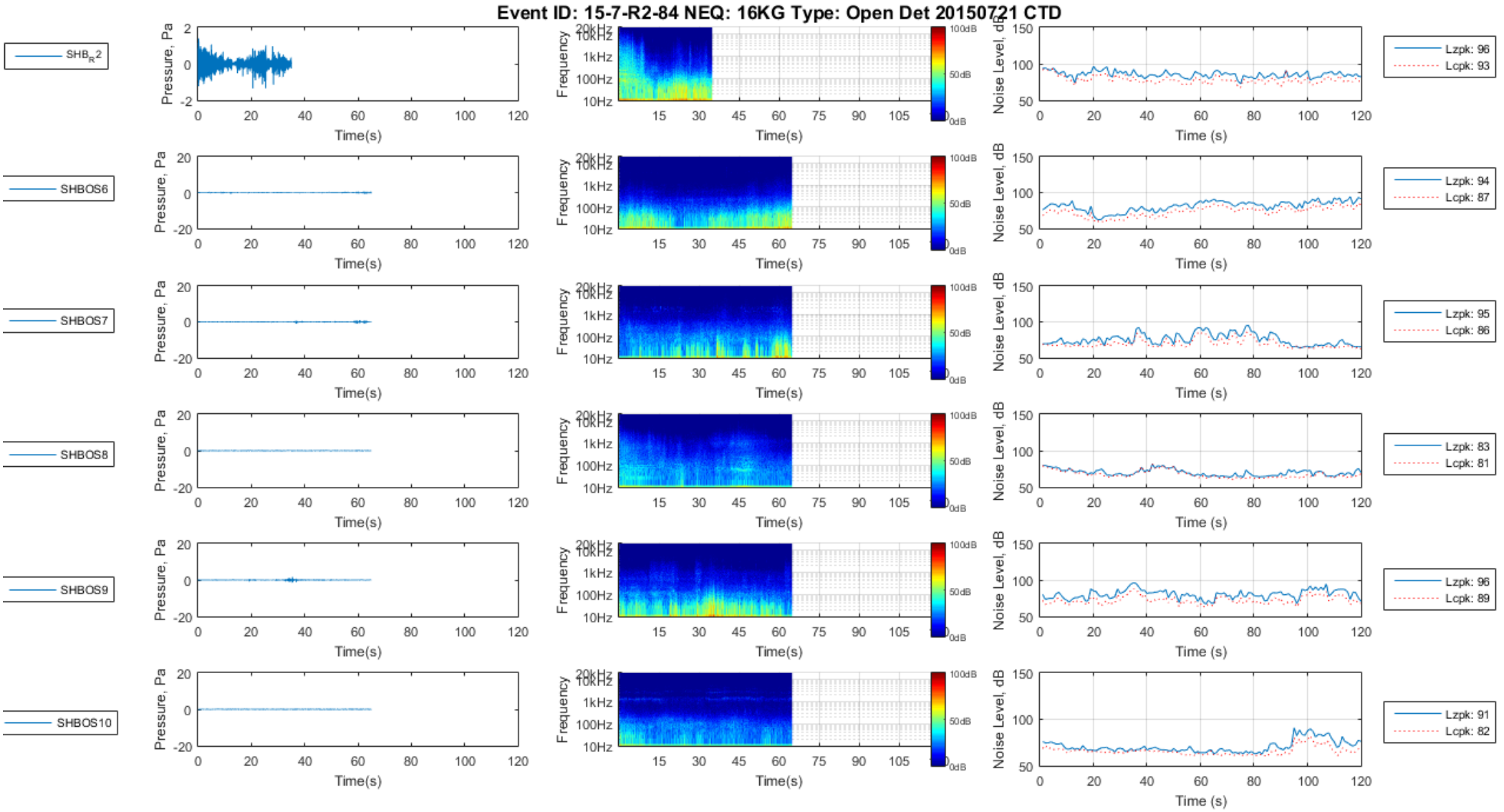


FIGURE 2.465: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-83


Event ID: 15-7-R2-84 NEQ: 16KG Type: Open Det 20150721
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 96
Lcpk: 93
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 96
Lcpk: 91
Lzpk: 92
Lcpk: 86
Lzpk: 86
Lcpk: 76
Lzpk: 76
Lcpk: 68


Event ID: 15-7-R2-84 NEQ: 16KG Type: Open Det 20150721 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 96
Lcpk: 93
Lzpk: 94
Lcpk: 87
Lzpk: 95
Lcpk: 86
Lzpk: 83
Lcpk: 81
Lzpk: 96
Lcpk: 89
Lzpk: 91
Lcpk: 82

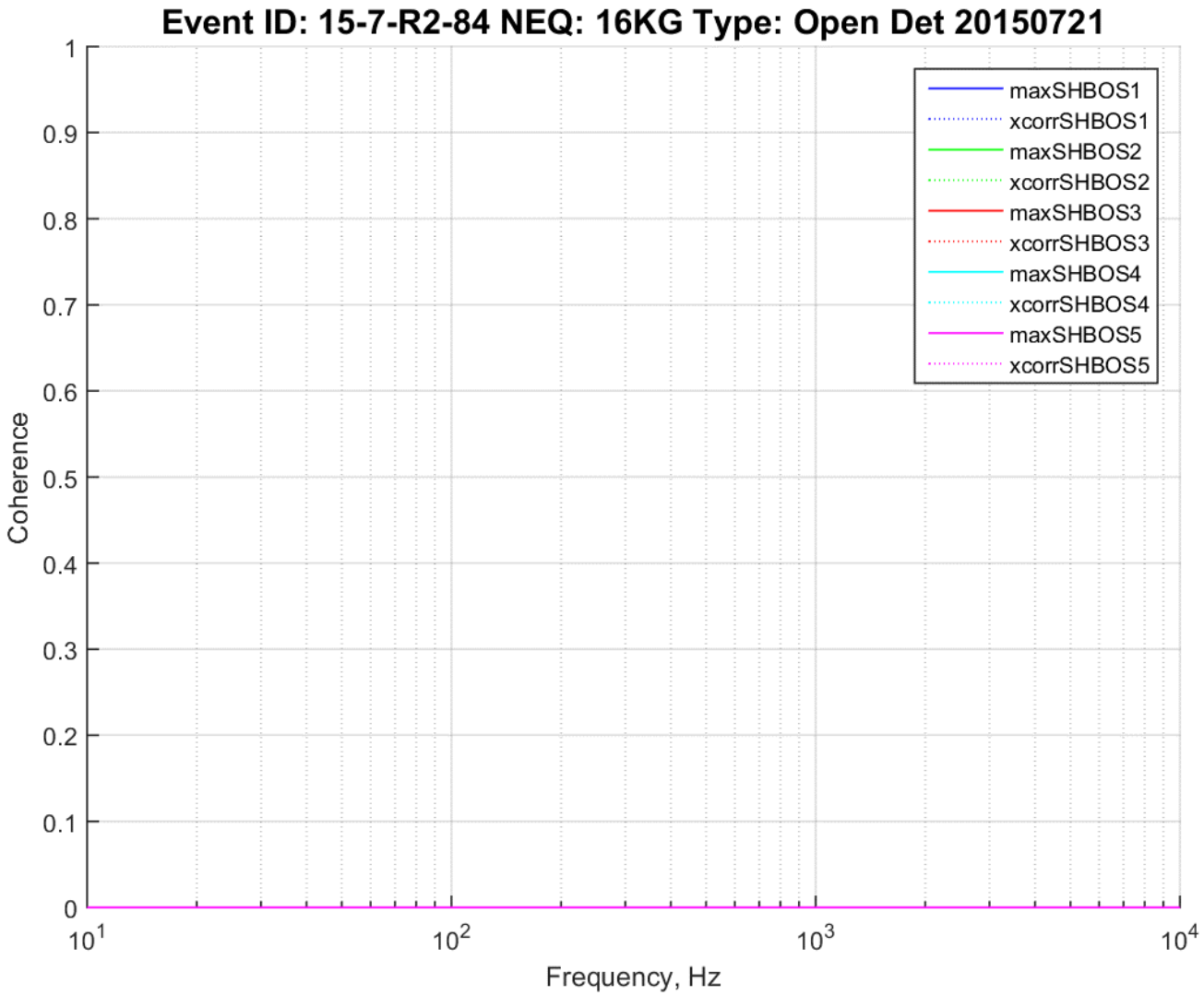


FIGURE 2.468: COHERENCE SHB_OS 1 - 5 15-7-R2-84

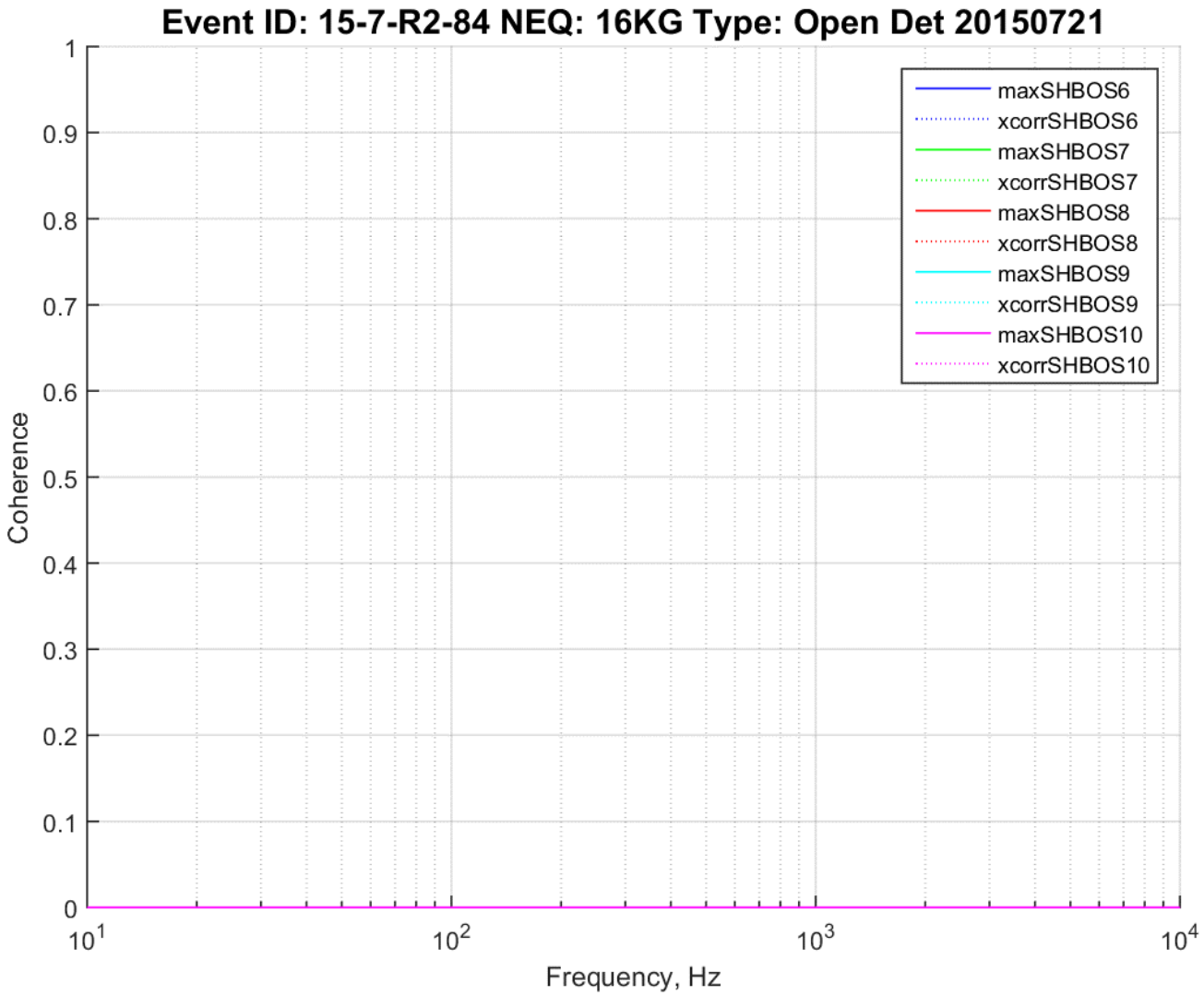


FIGURE 2.469: COHERENCE SHB_OS 6 - 10 15-7-R2-84CTD

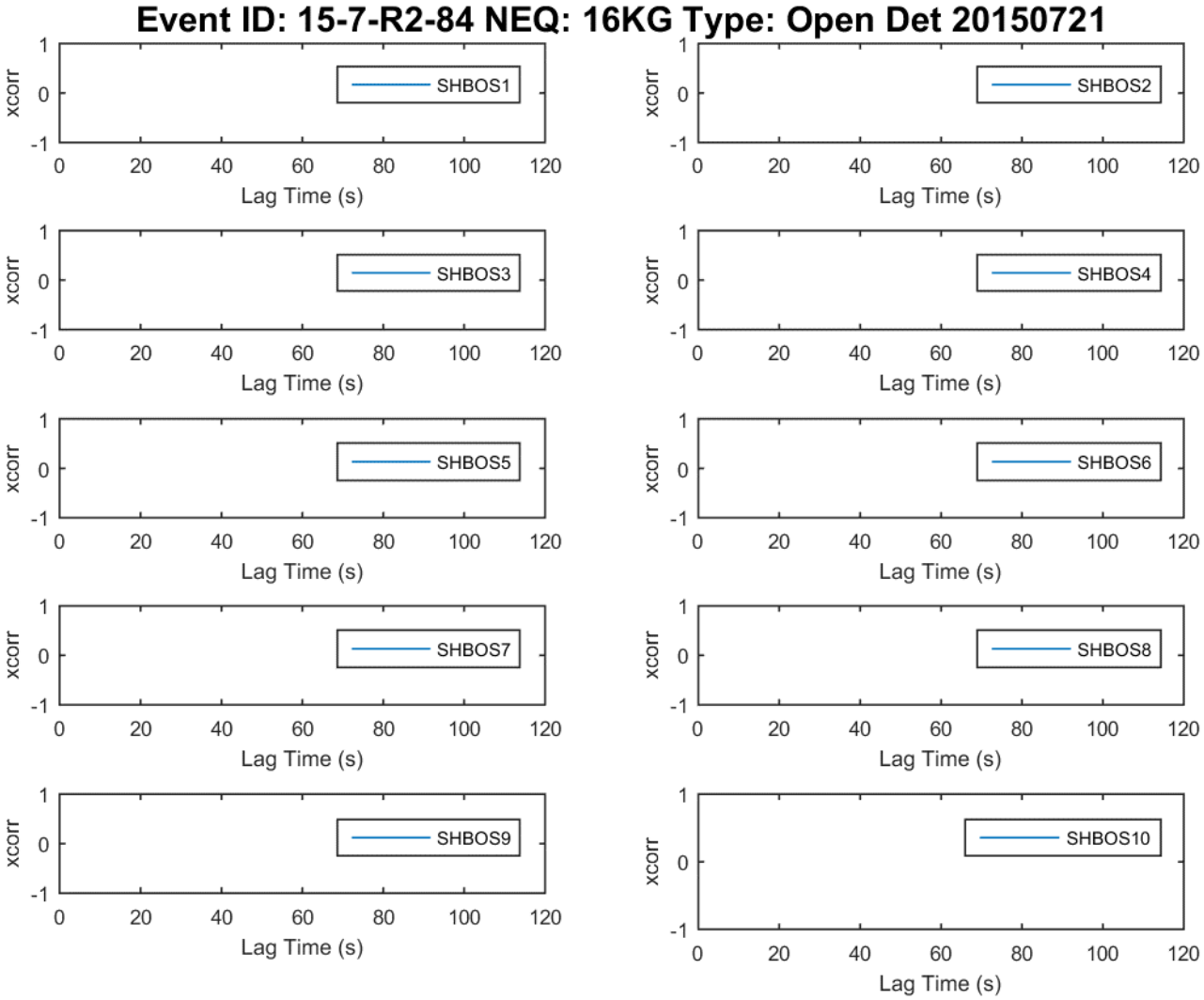
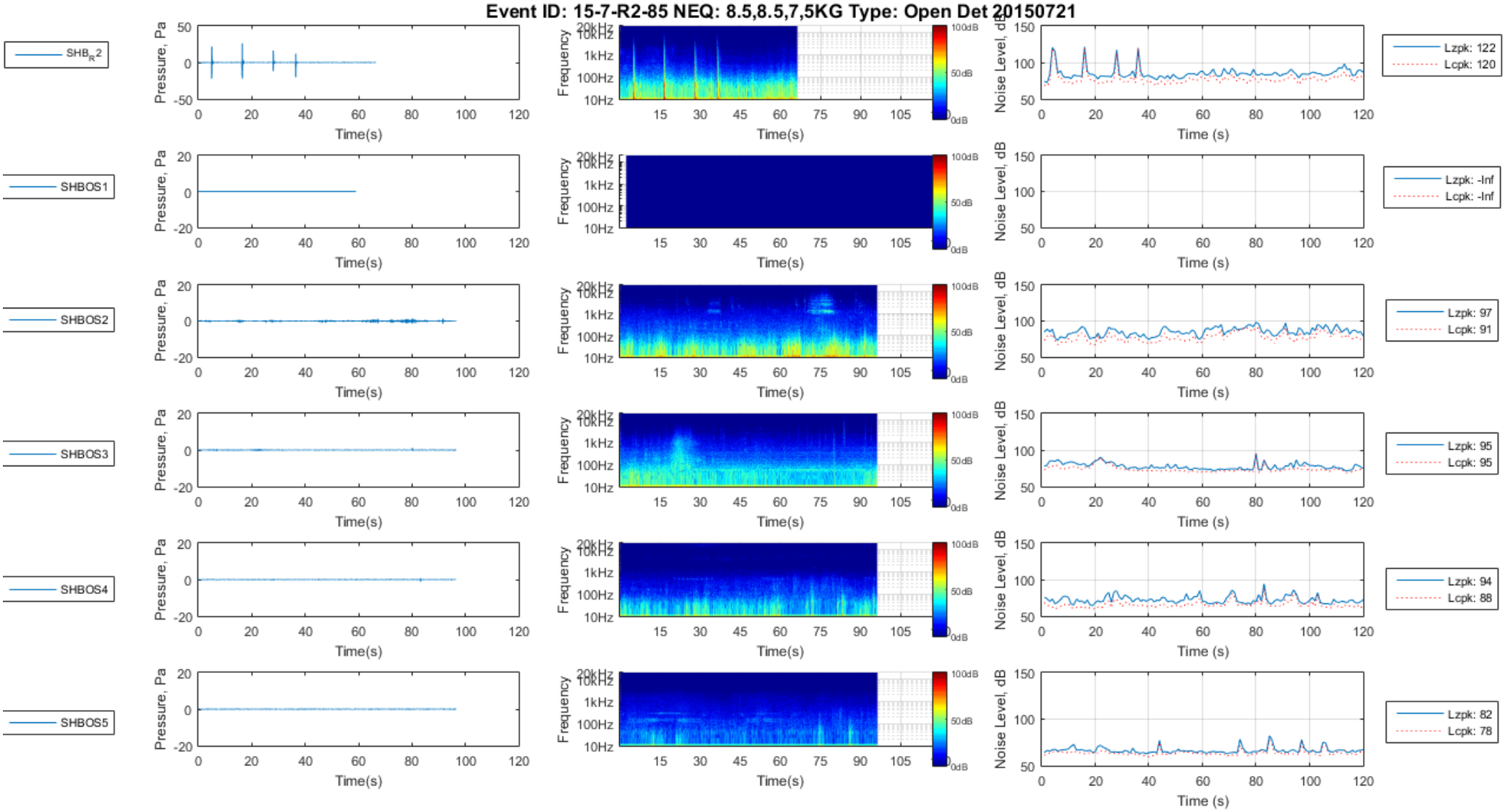
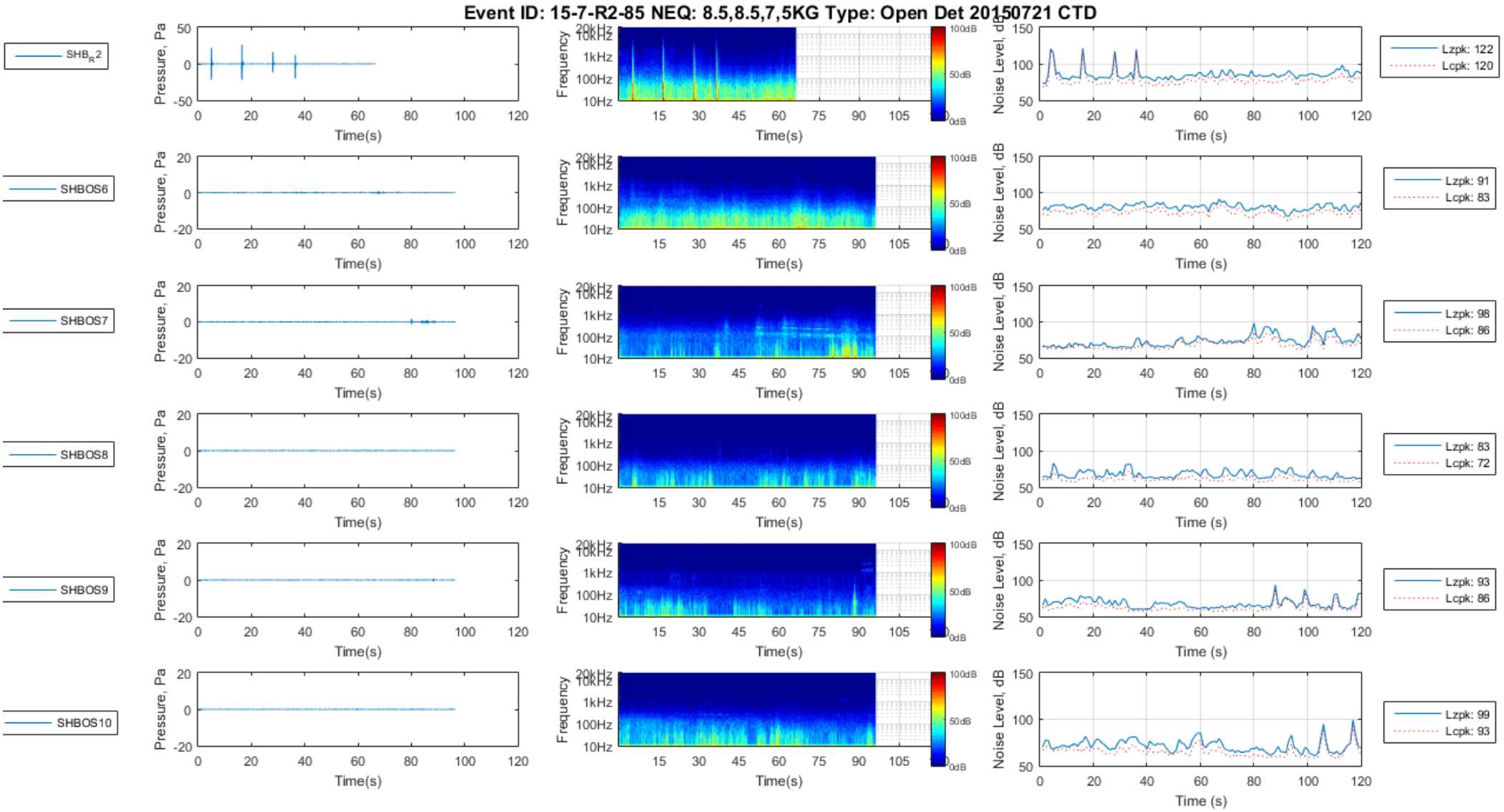


FIGURE 2.470: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-84


Event ID: 15-7-R2-85 NEQ: 8.5,8.5,7,5KG Type: Open Det 20150721
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 122
Lcpk: 120
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 97
Lcpk: 91
Lzpk: 95
Lcpk: 95
Lzpk: 94
Lcpk: 88
Lzpk: 82
Lcpk: 78


Event ID: 15-7-R2-85 NEQ: 8.5,8.5,7,5KG Type: Open Det 20150721 CTD
SHB$_R$2
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 122
Lcpk: 120
SHBOS6
Lzpk: 91
Lcpk: 83
SHBOS7
Lzpk: 98
Lcpk: 86
SHBOS8
Lzpk: 83
Lcpk: 72
SHBOS9
Lzpk: 93
Lcpk: 86
SHBOS10
Lzpk: 99
Lcpk: 93

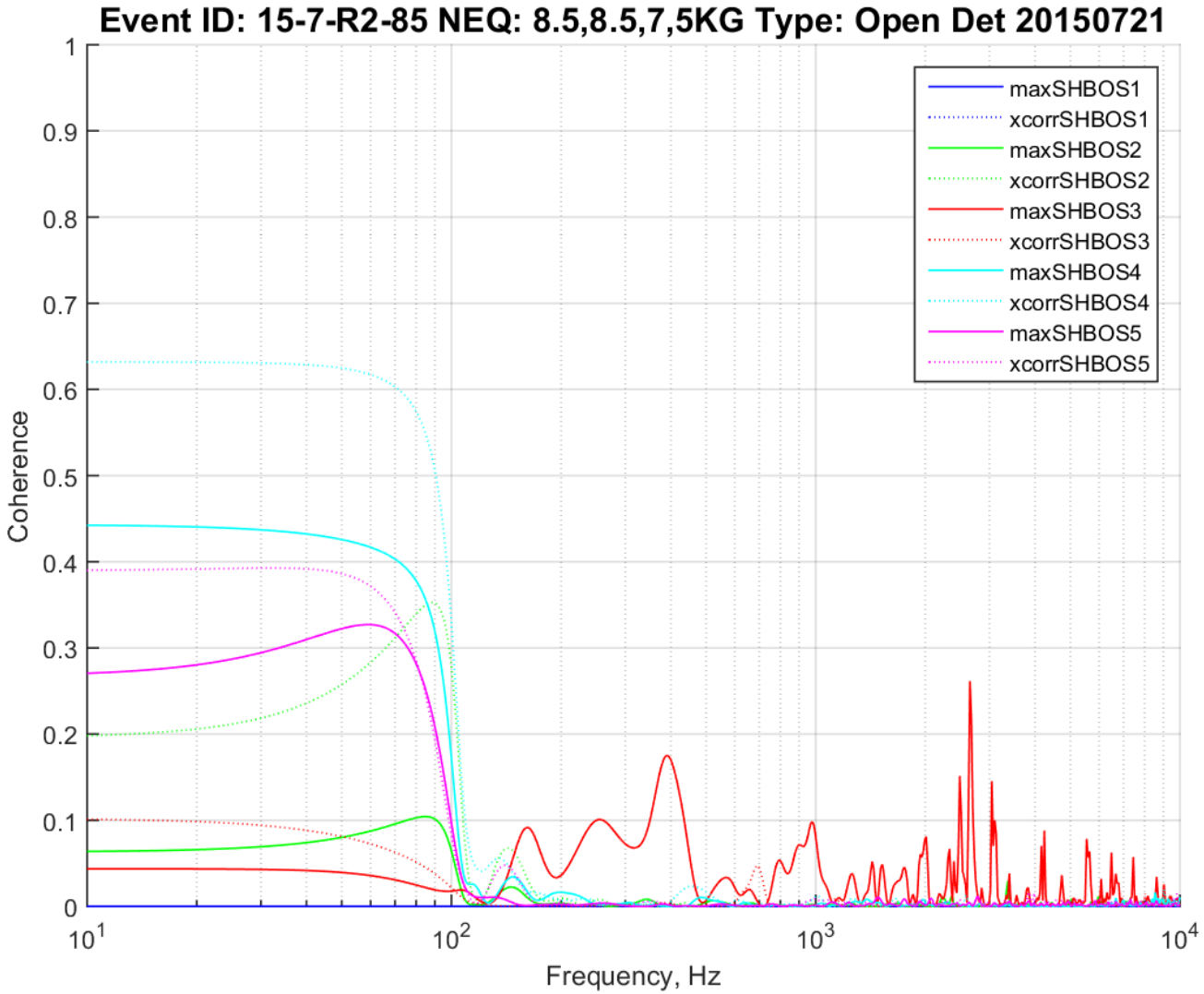


FIGURE 2.473: COHERENCE SHB_OS 1 - 5 15-7-R2-85

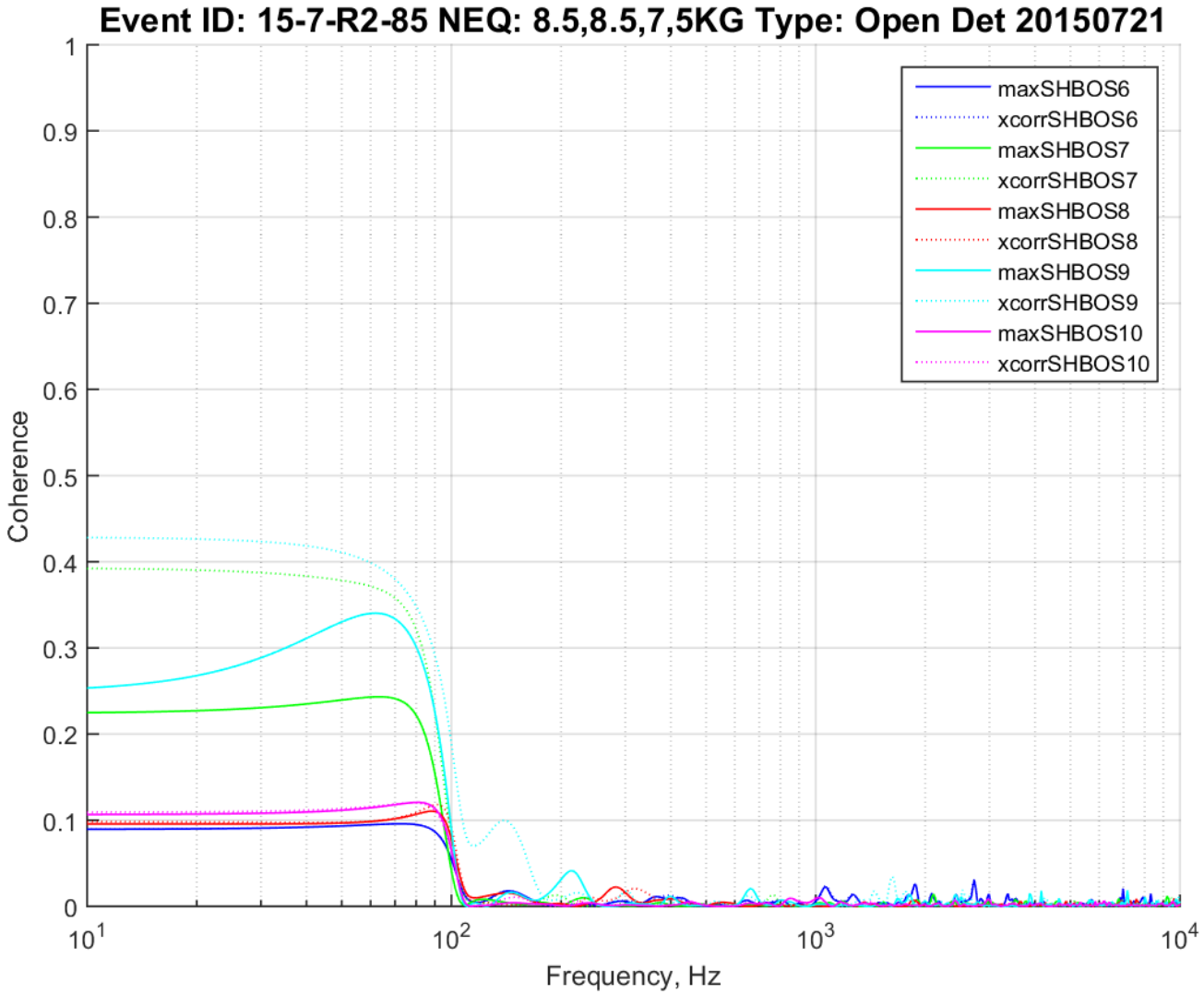


FIGURE 2.474: COHERENCE SHB_OS 6 - 10 15-7-R2-85CTD

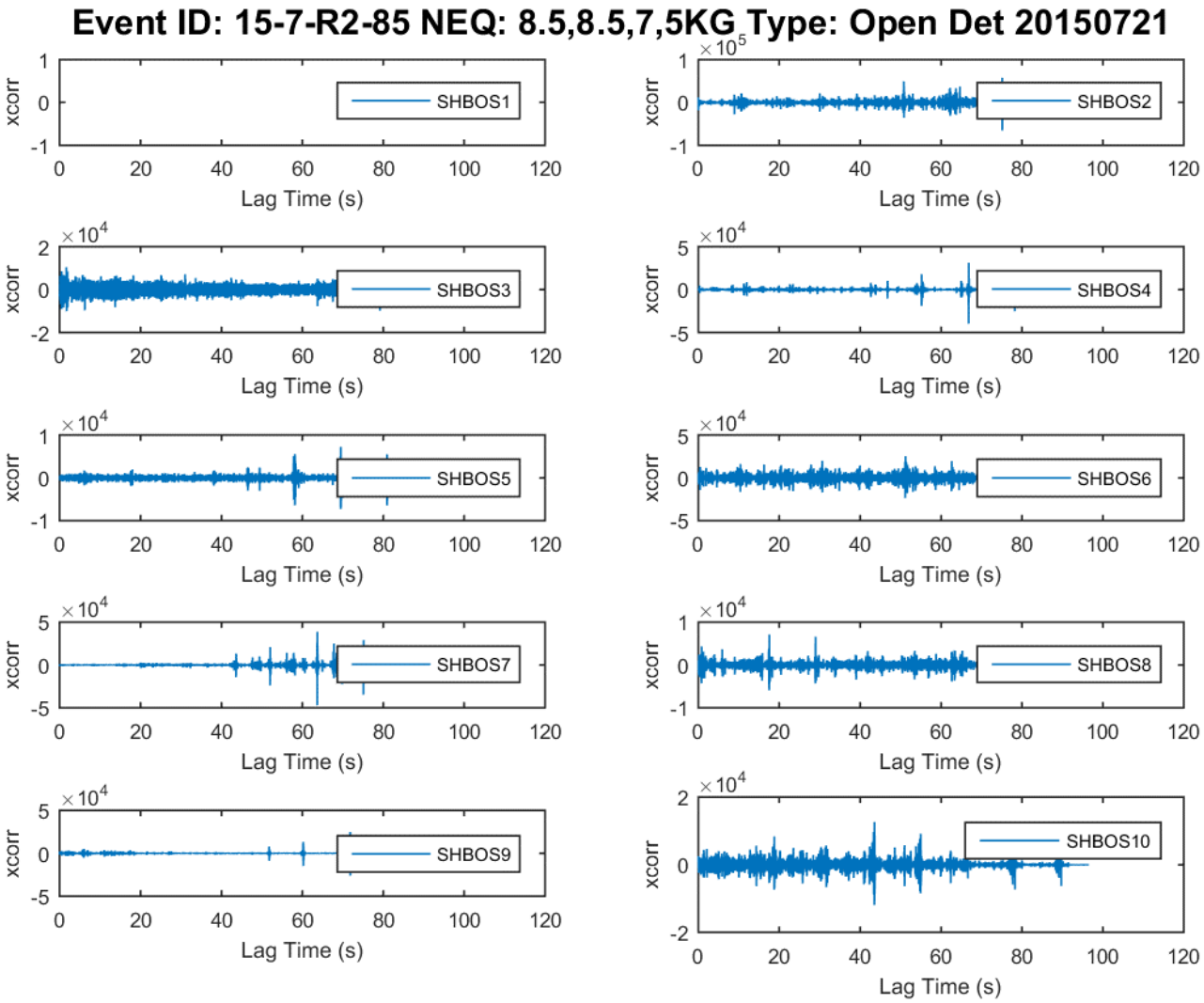
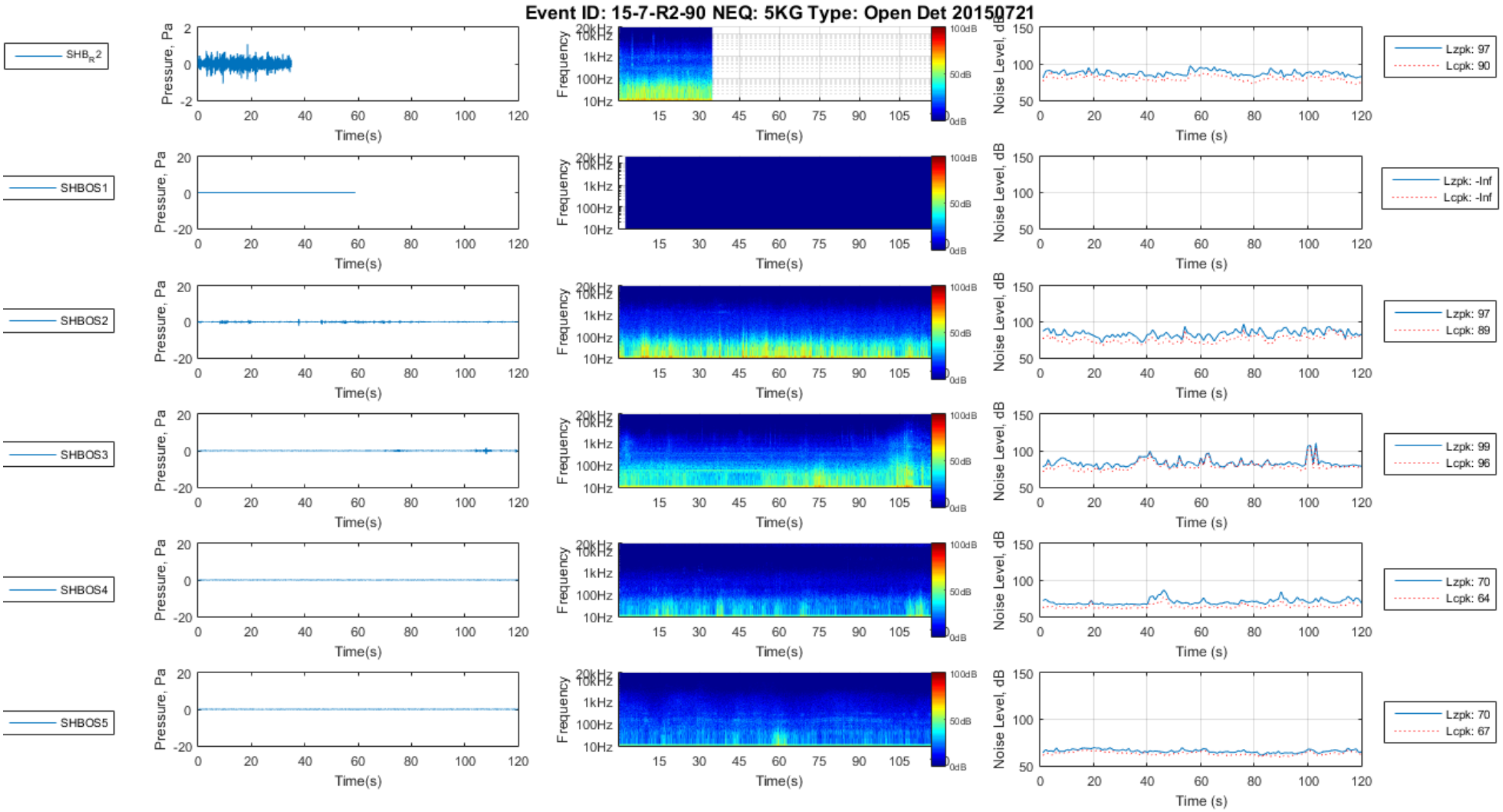
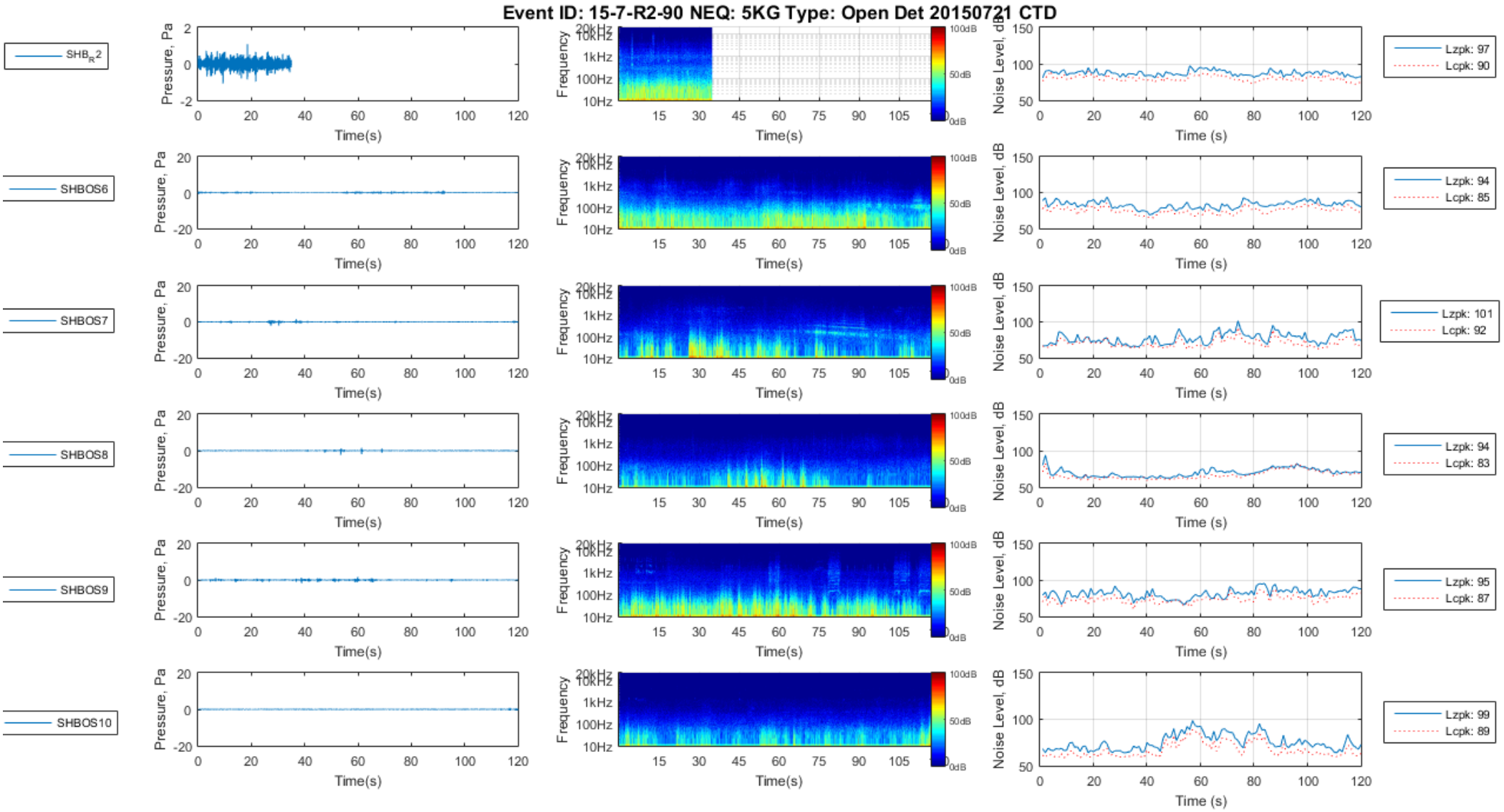


FIGURE 2.475: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-85


Event ID: 15-7-R2-90 NEQ: 5KG Type: Open Det 20150721
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 97
Lcpk: 90
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 97
Lcpk: 89
Lzpk: 99
Lcpk: 96
Lzpk: 70
Lcpk: 64
Lzpk: 70
Lcpk: 67


Event ID: 15-7-R2-90 NEQ: 5KG Type: Open Det 20150721 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 97
Lcpk: 90
Lzpk: 94
Lcpk: 85
Lzpk: 101
Lcpk: 92
Lzpk: 94
Lcpk: 83
Lzpk: 95
Lcpk: 87
Lzpk: 99
Lcpk: 89

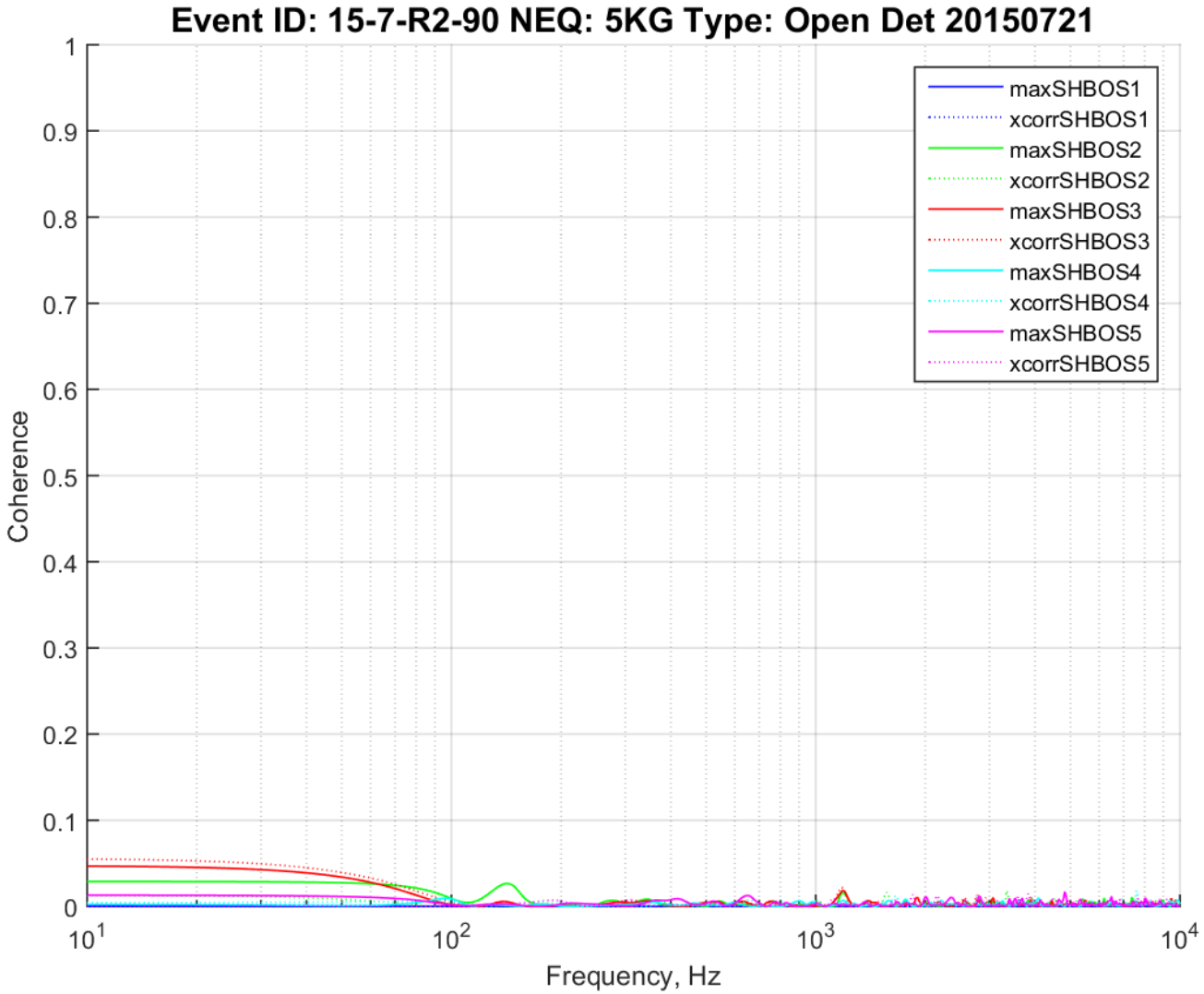


FIGURE 2.478: COHERENCE SHB_OS 1 - 5 15-7-R2-90

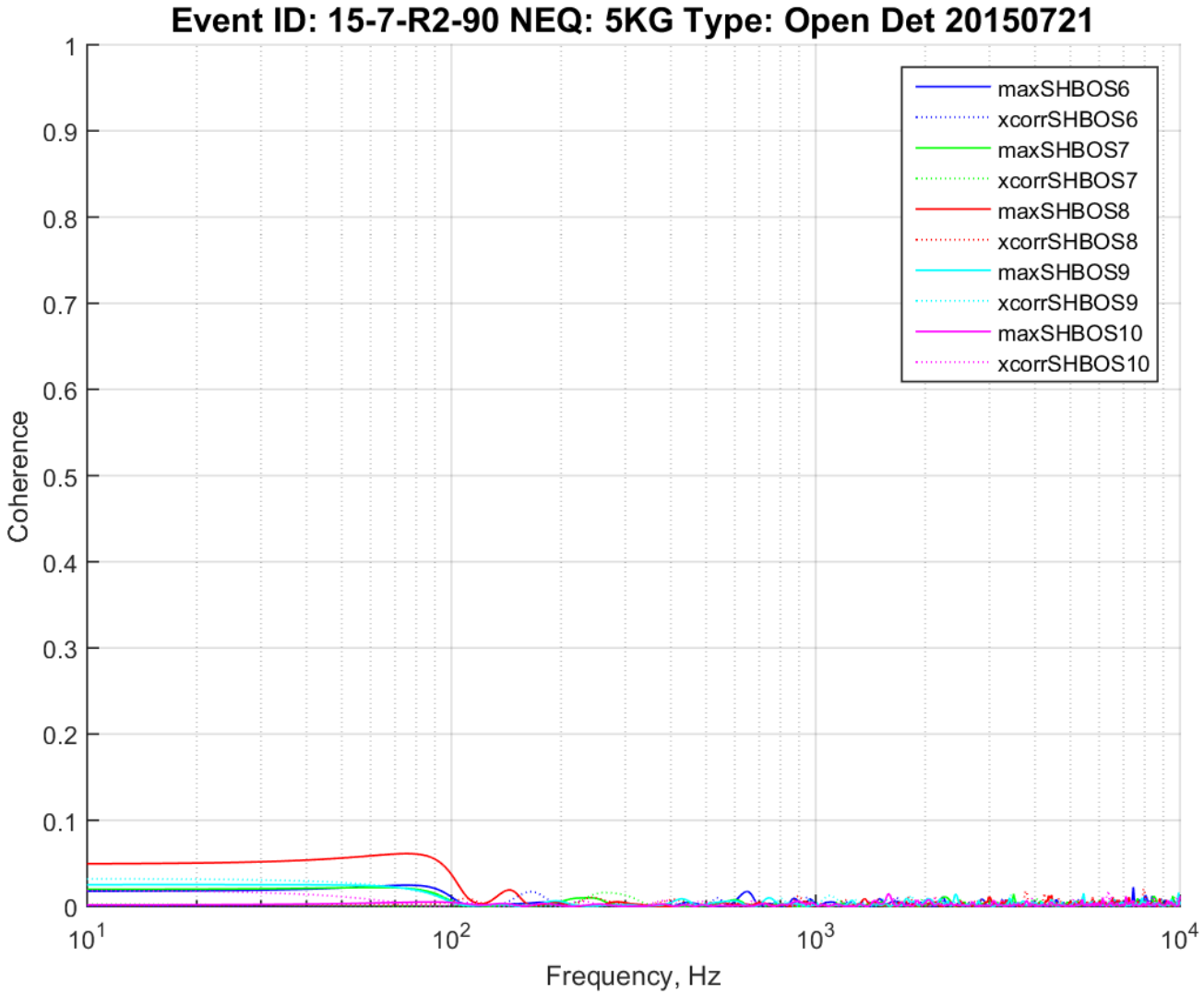


FIGURE 2.479: COHERENCE SHB_OS 6 - 10 15-7-R2-90CTD

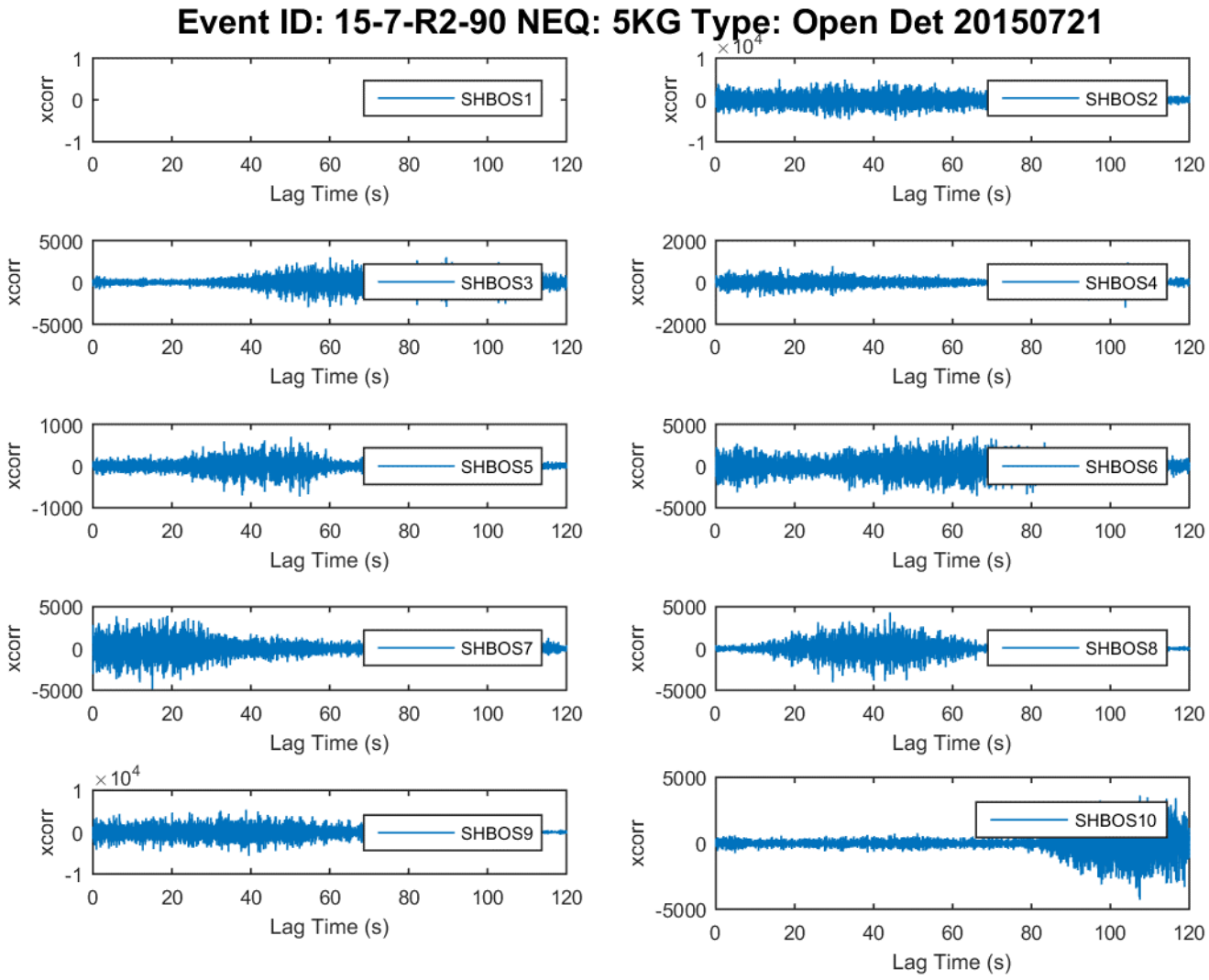
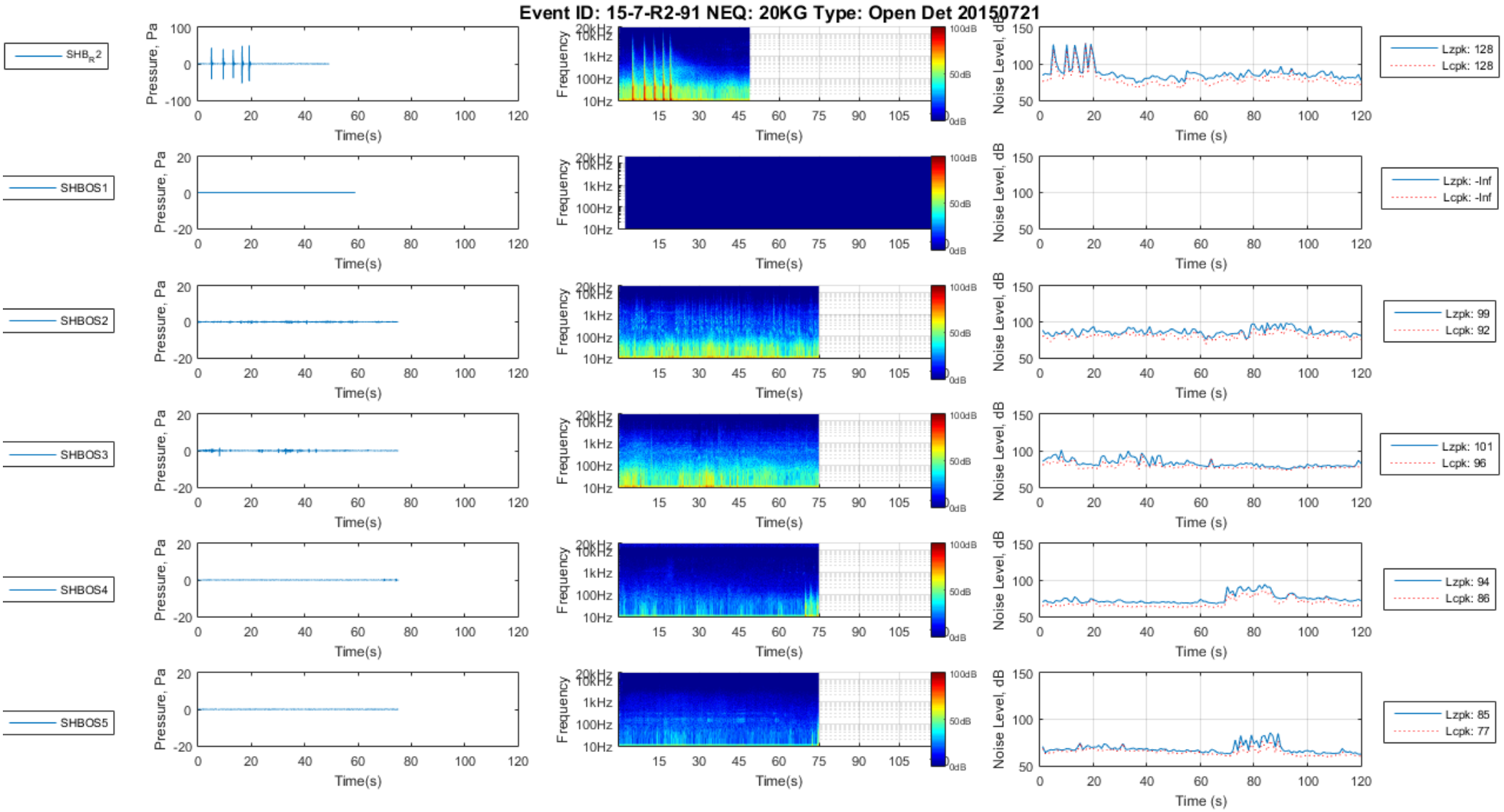
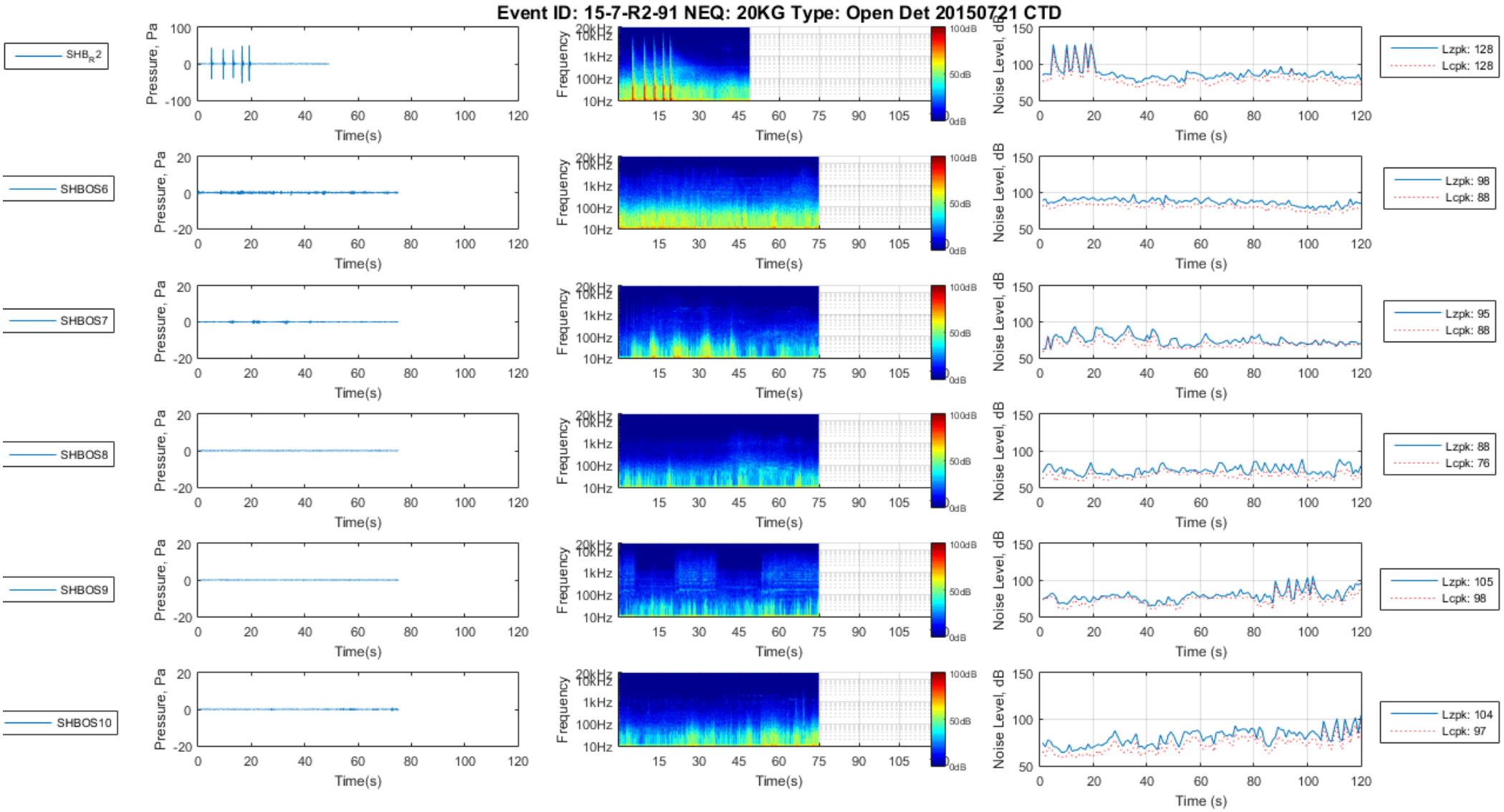


FIGURE 2.480: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-90


Event ID: 15-7-R2-91 NEQ: 20KG Type: Open Det 20150721
SHB$_R$2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 128
Lcpk: 128
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 99
Lcpk: 92
Lzpk: 101
Lcpk: 96
Lzpk: 94
Lcpk: 86
Lzpk: 85
Lcpk: 77


Event ID: 15-7-R2-91 NEQ: 20KG Type: Open Det 20150721 CTD
SHB$_R$2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 128
Lcpk: 128
Lzpk: 98
Lcpk: 88
Lzpk: 95
Lcpk: 88
Lzpk: 88
Lcpk: 76
Lzpk: 105
Lcpk: 98
Lzpk: 104
Lcpk: 97

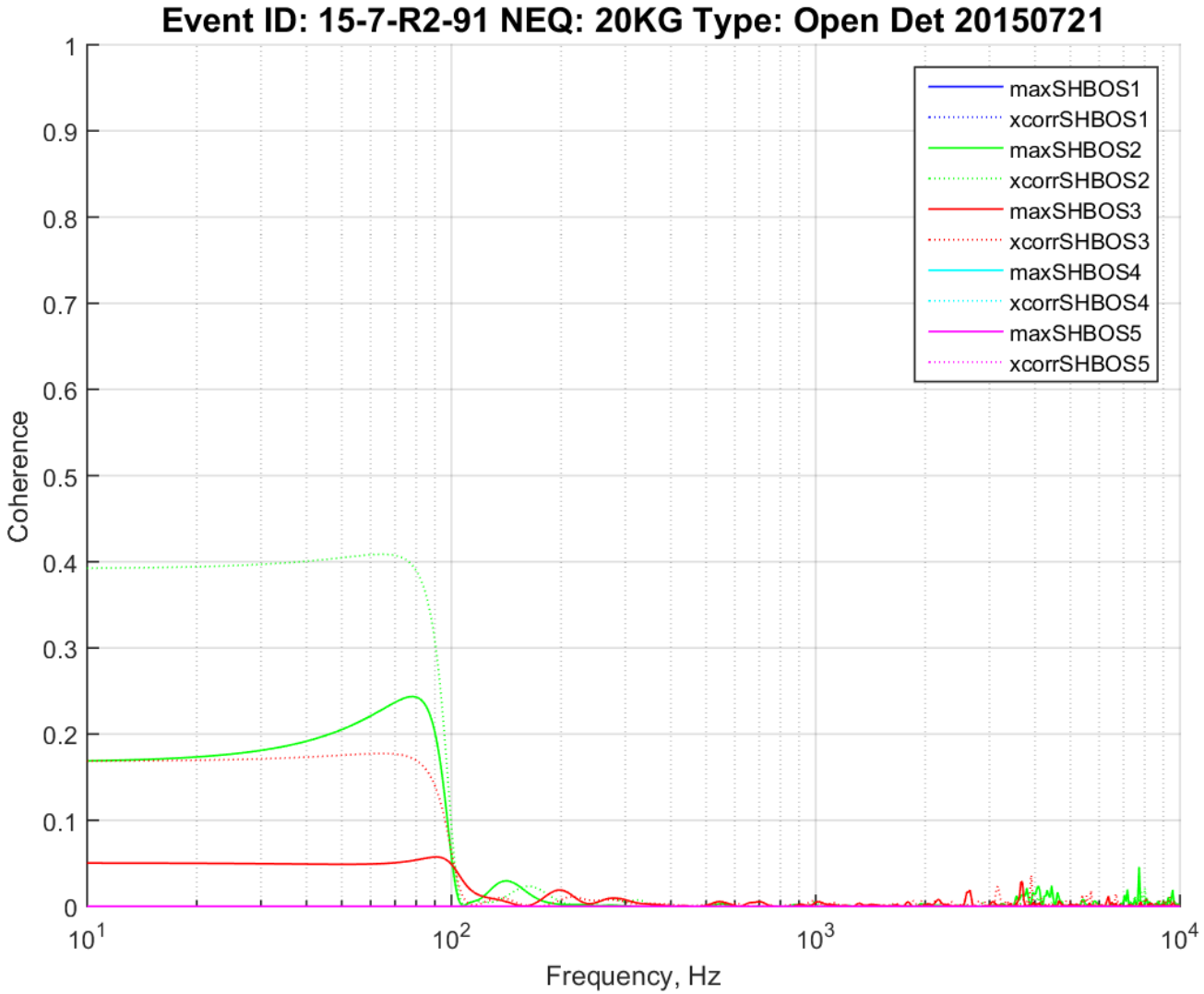


FIGURE 2.483: COHERENCE SHB_OS 1 - 5 15-7-R2-91

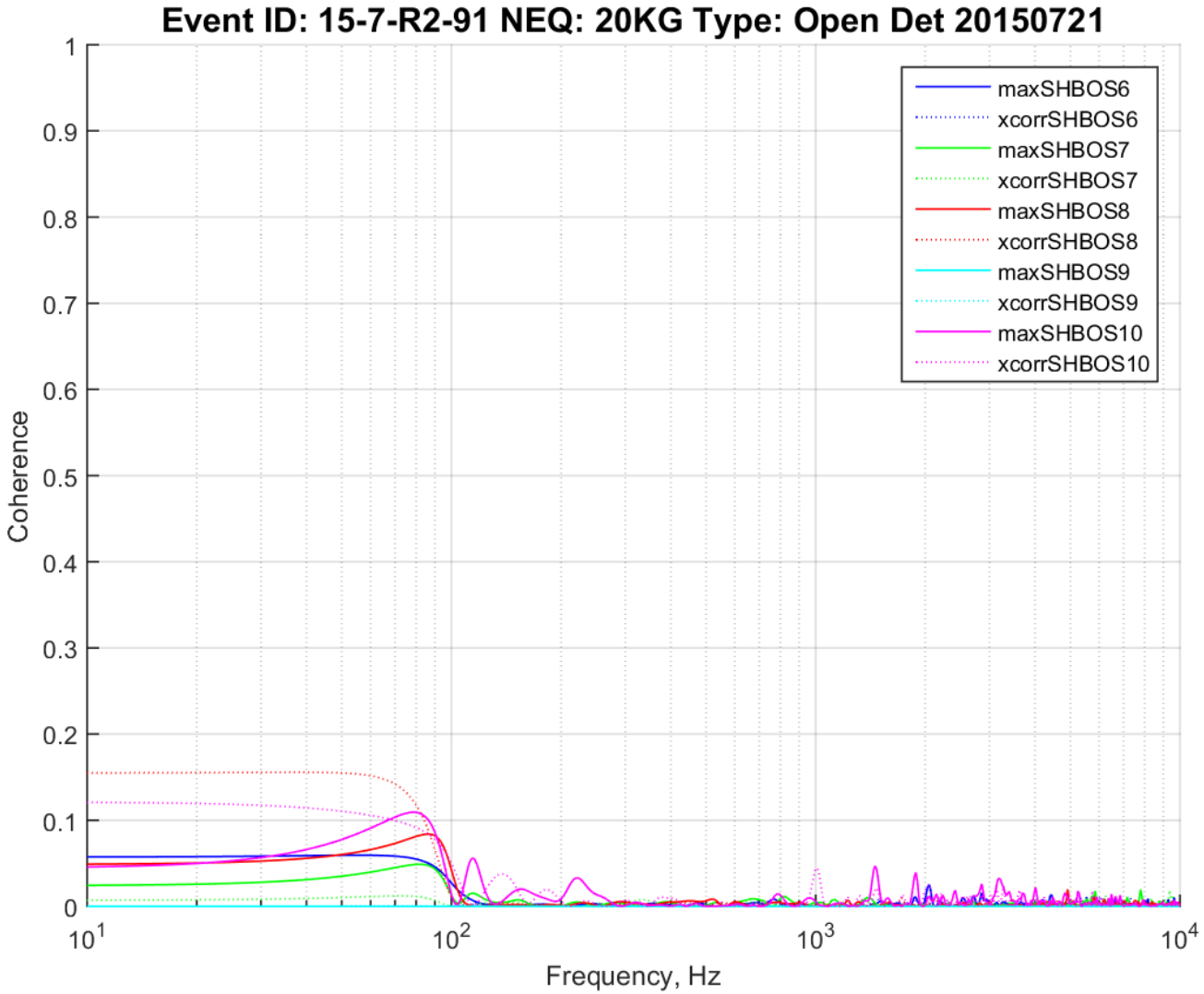


FIGURE 2.484: COHERENCE SHB_OS 6 - 10 15-7-R2-91CTD

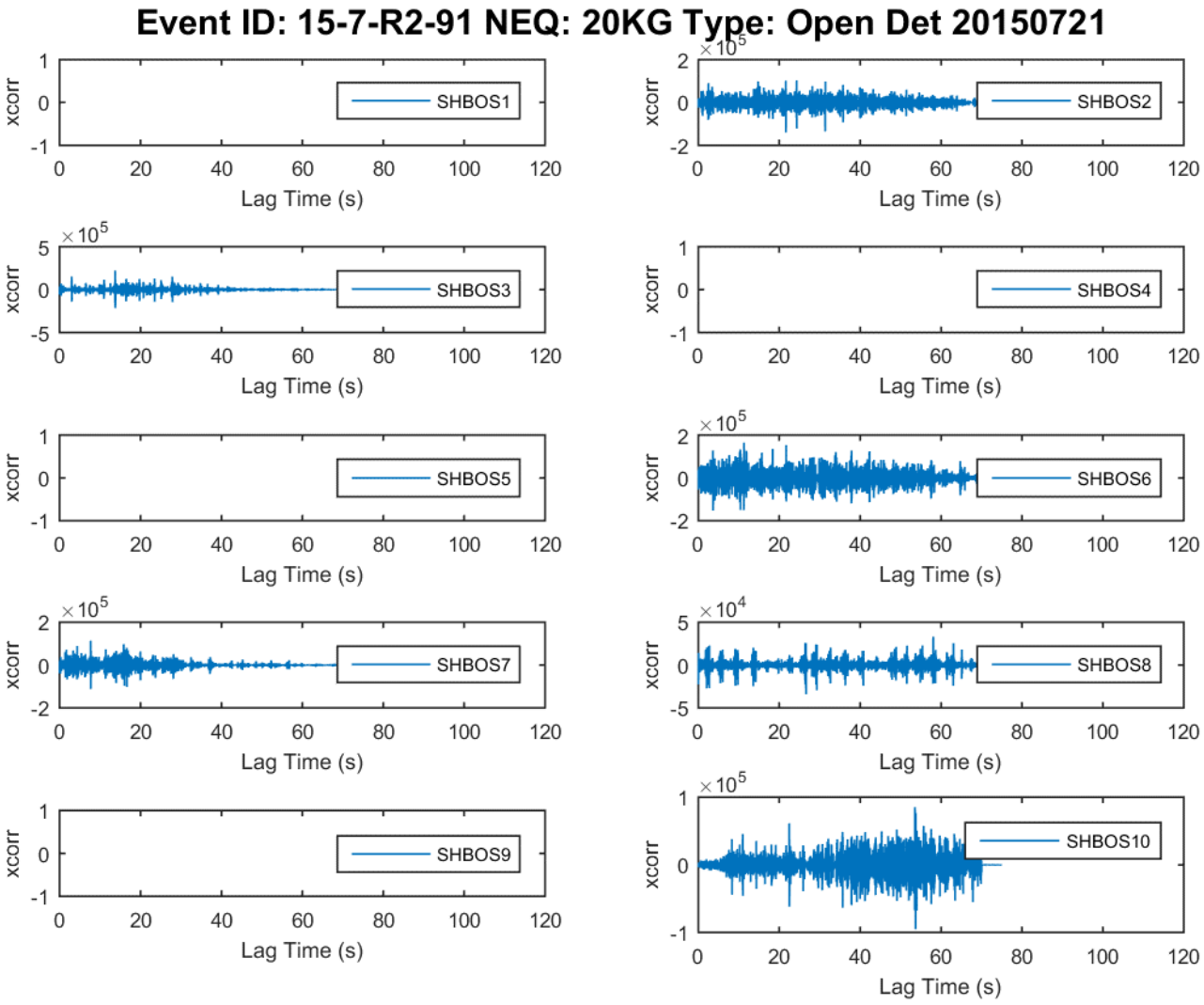
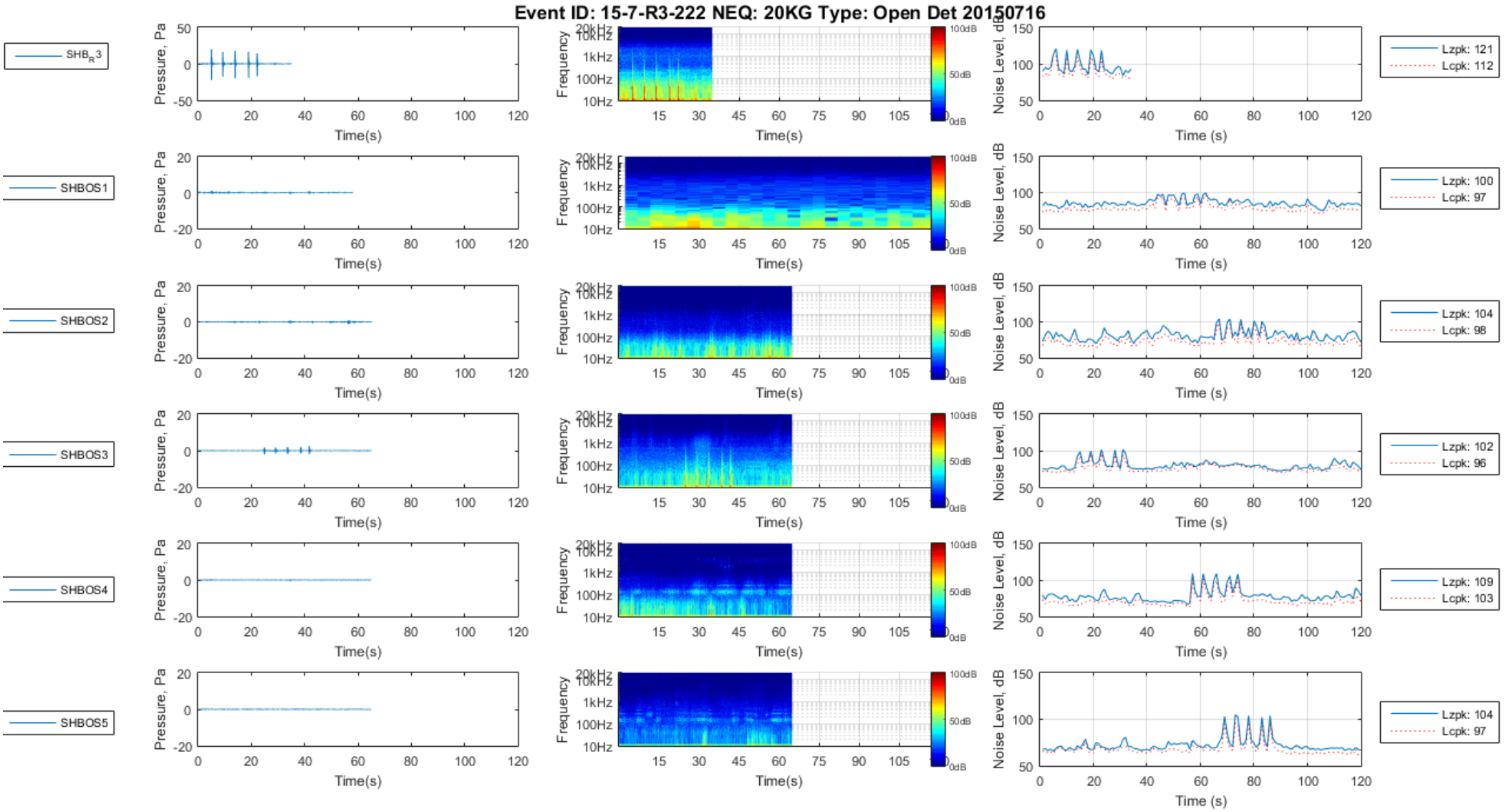
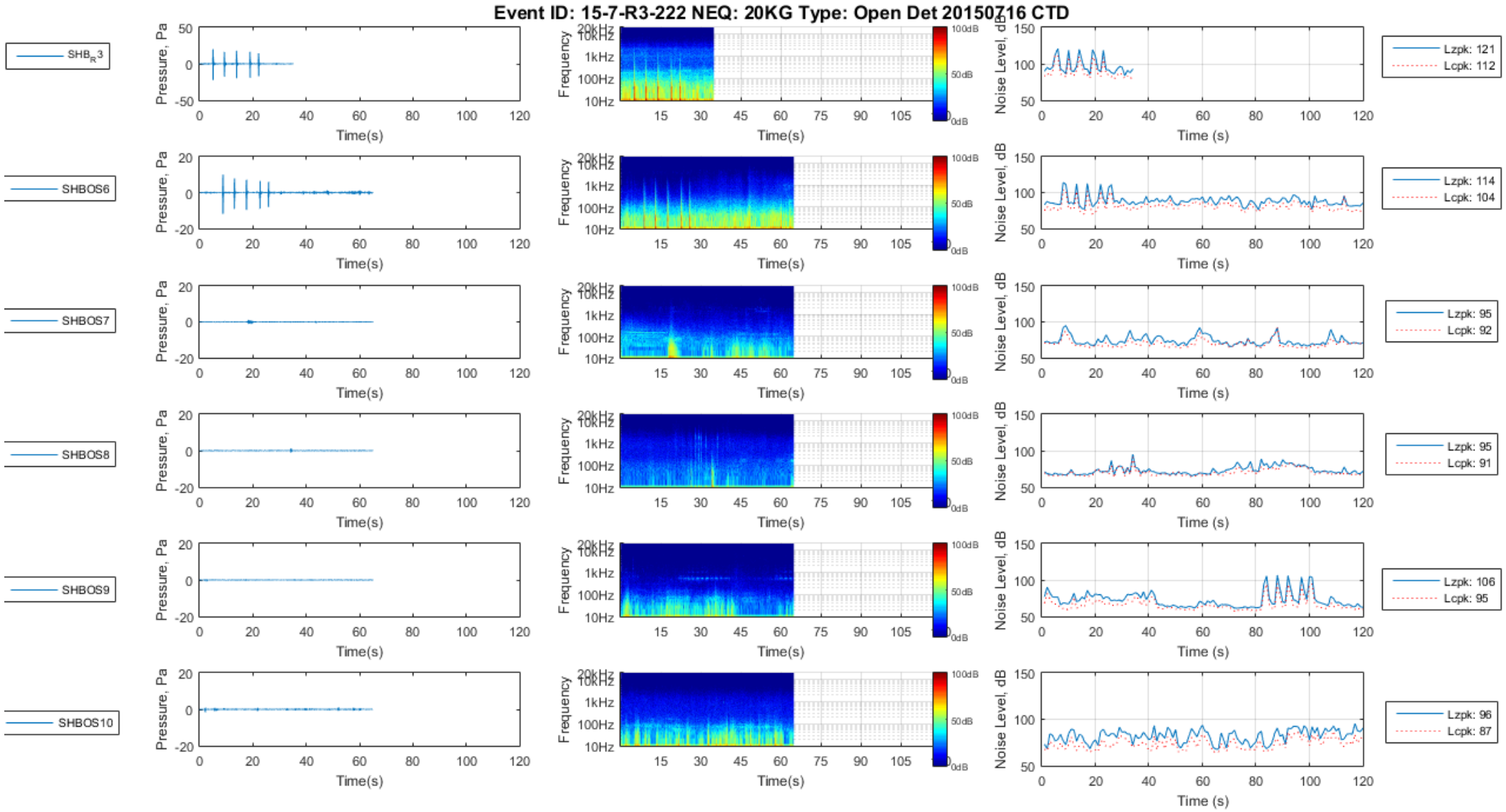


FIGURE 2.485: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-91


Event ID: 15-7-R3-222 NEQ: 20KG Type: Open Det 20150716
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 121
Lcpk: 112
Lzpk: 100
Lcpk: 97
Lzpk: 104
Lcpk: 98
Lzpk: 102
Lcpk: 96
Lzpk: 109
Lcpk: 103
Lzpk: 104
Lcpk: 97


Event ID: 15-7-R3-222 NEQ: 20KG Type: Open Det 20150716 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 121
Lcpk: 112
Lzpk: 114
Lcpk: 104
Lzpk: 95
Lcpk: 92
Lzpk: 95
Lcpk: 91
Lzpk: 106
Lcpk: 95
Lzpk: 96
Lcpk: 87

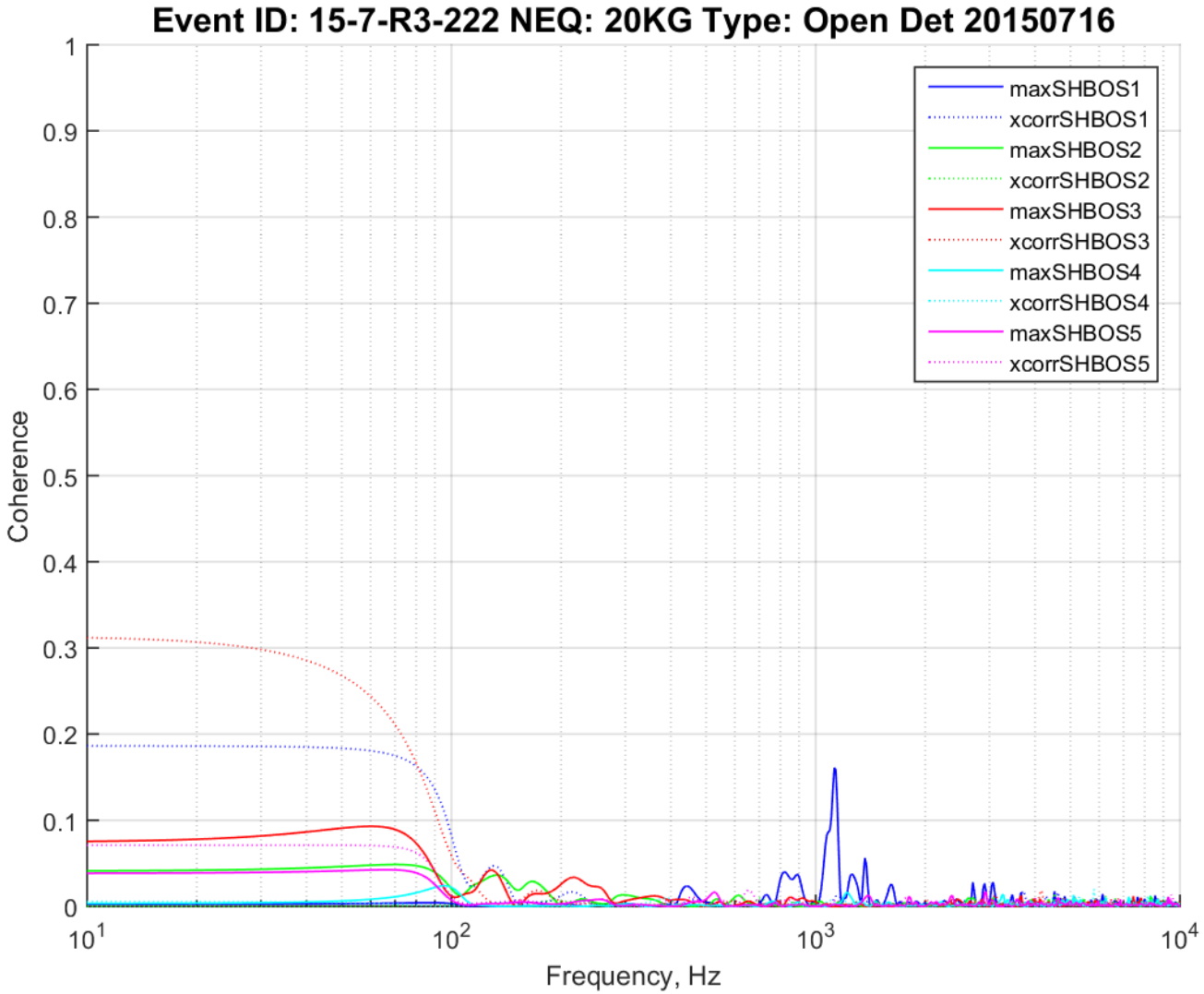


FIGURE 2.488: COHERENCE SHB_OS 1 - 5 15-7-R3-222

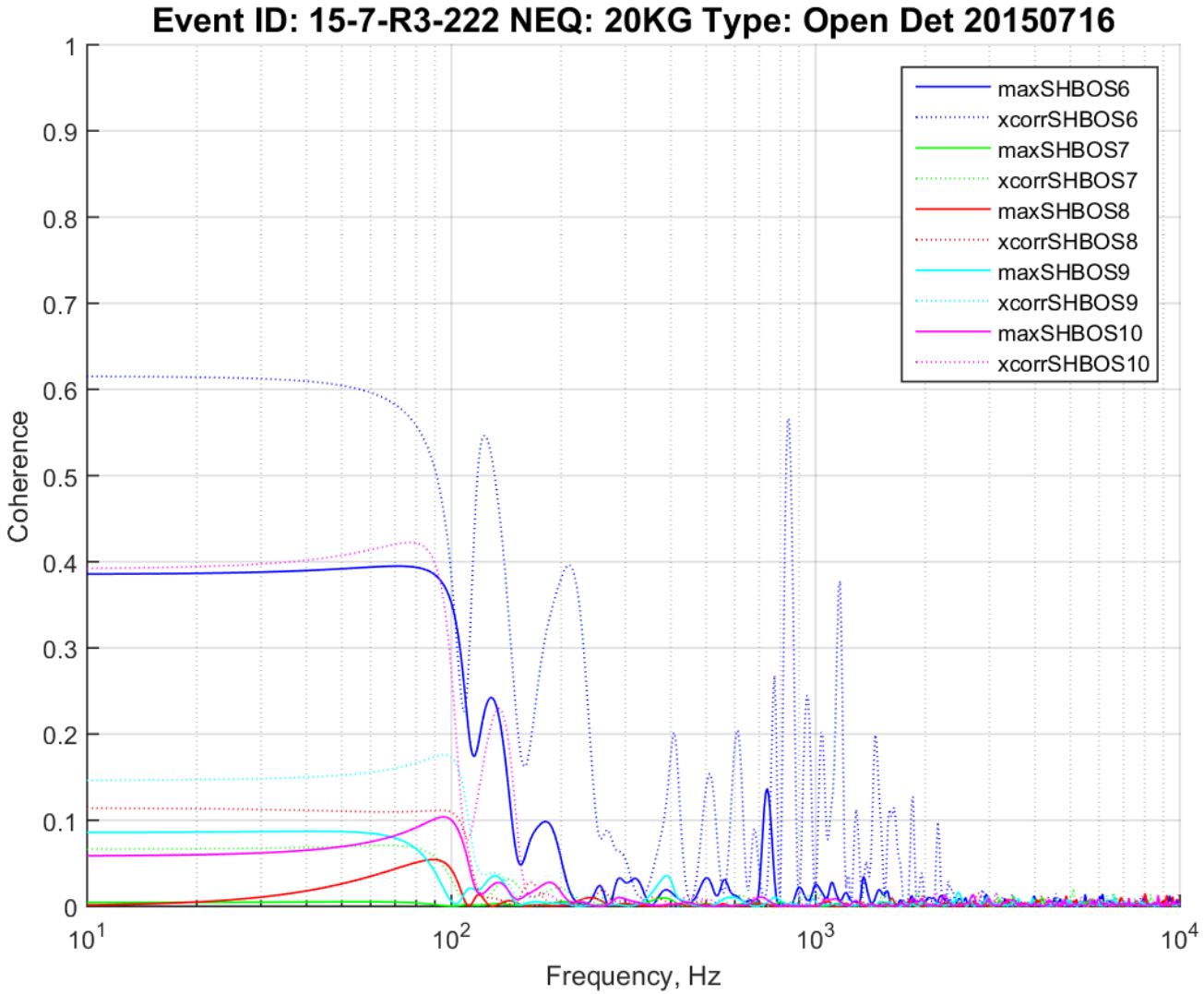


FIGURE 2.489: COHERENCE SHB_OS 6 - 10 15-7-R3-222CTD

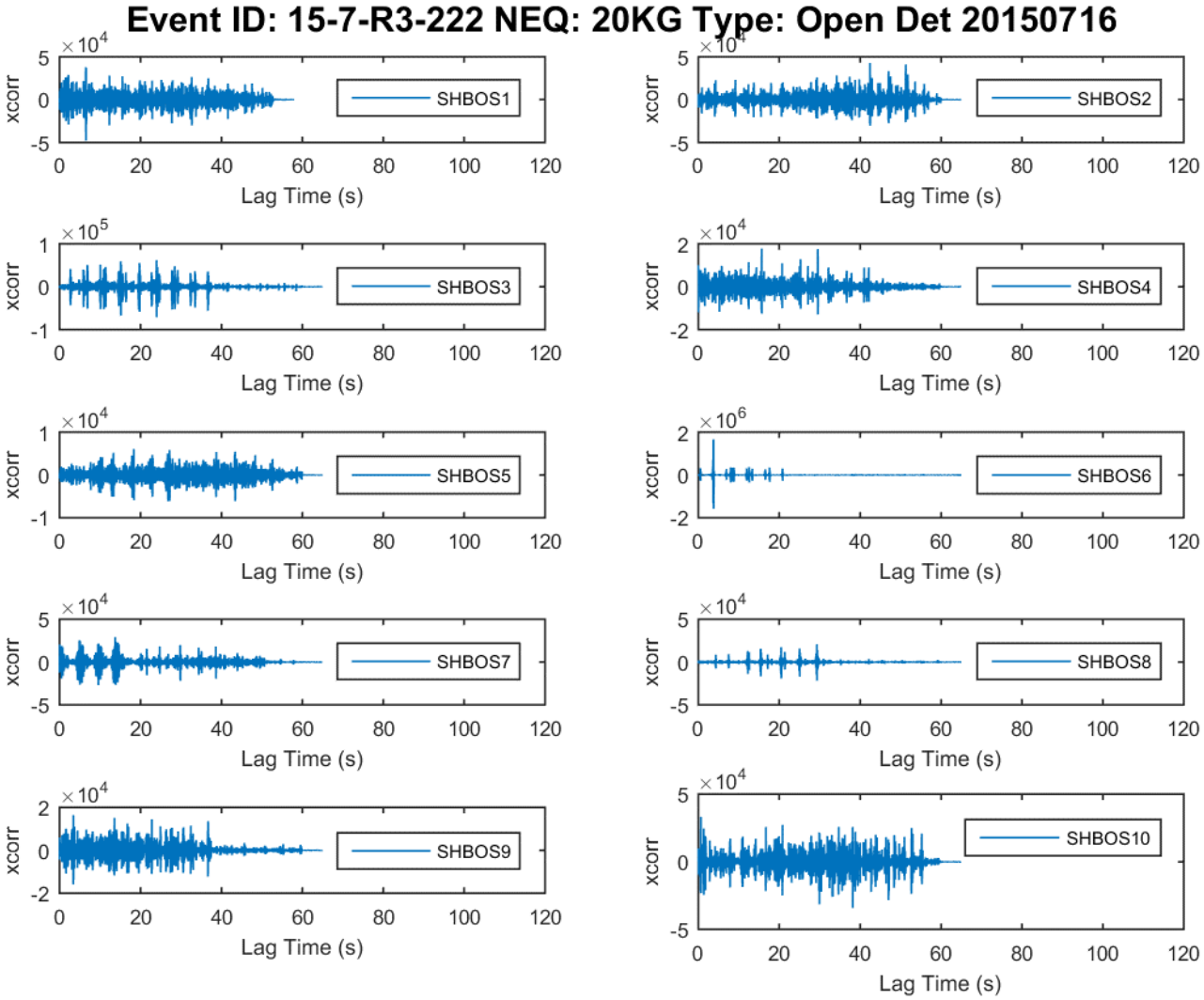
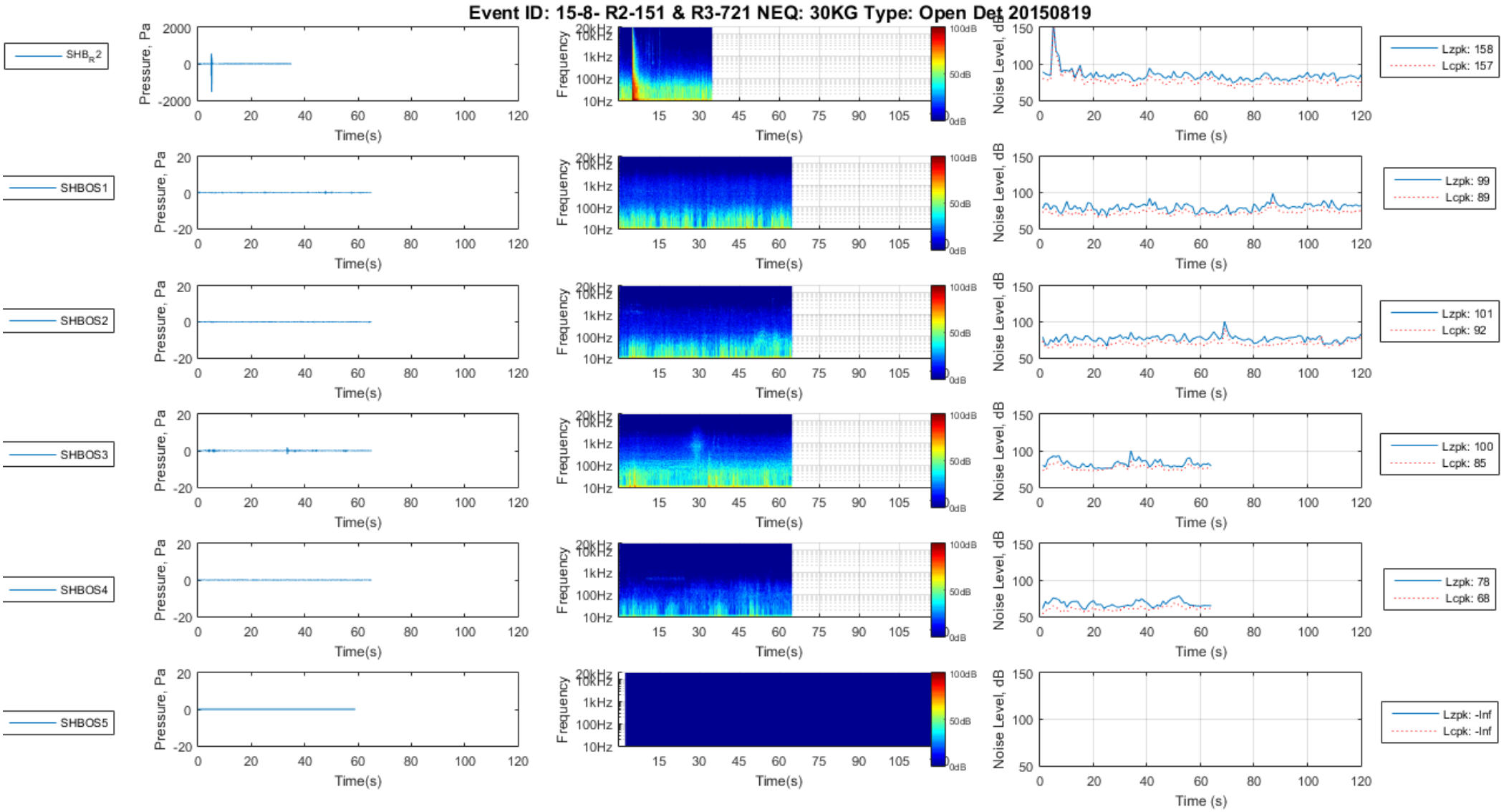
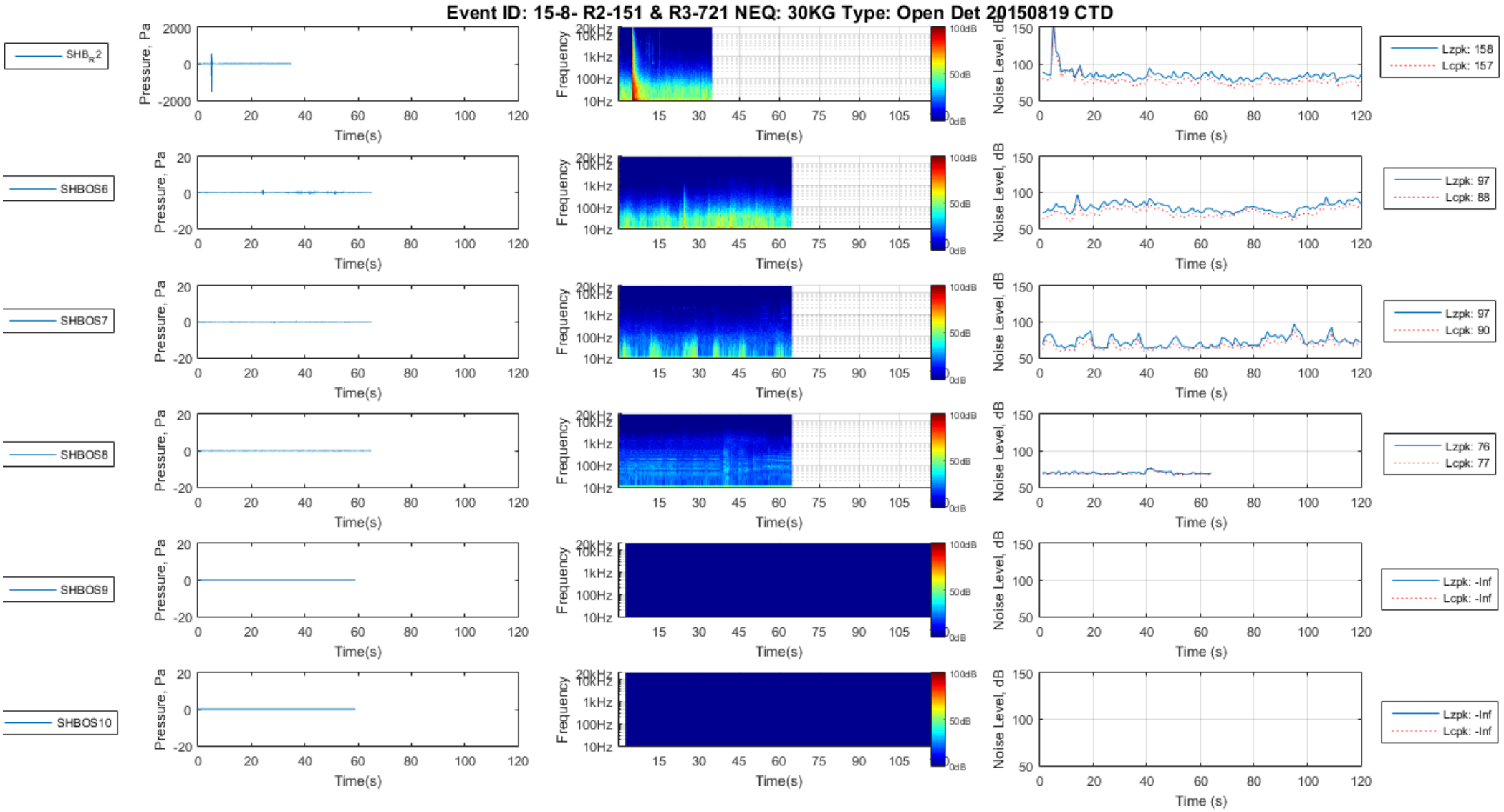


FIGURE 2.490: CROSS CORRELATION SHB_OS 1 - 10 15-7-R3-222


Event ID: 15-8- R2-151 & R3-721 NEQ: 30KG Type: Open Det 20150819
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 158
Lcpk: 157
Lzpk: 99
Lcpk: 89
Lzpk: 101
Lcpk: 92
Lzpk: 100
Lcpk: 85
Lzpk: 78
Lcpk: 68
Lzpk: -Inf
Lcpk: -Inf


Event ID: 15-8- R2-151 & R3-721 NEQ: 30KG Type: Open Det 20150819 CTD
SHB$_R$2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 158
Lcpk: 157
Lzpk: 97
Lcpk: 88
Lzpk: 97
Lcpk: 90
Lzpk: 76
Lcpk: 77
Lzpk: -Inf
Lcpk: -Inf
Lzpk: -Inf
Lcpk: -Inf

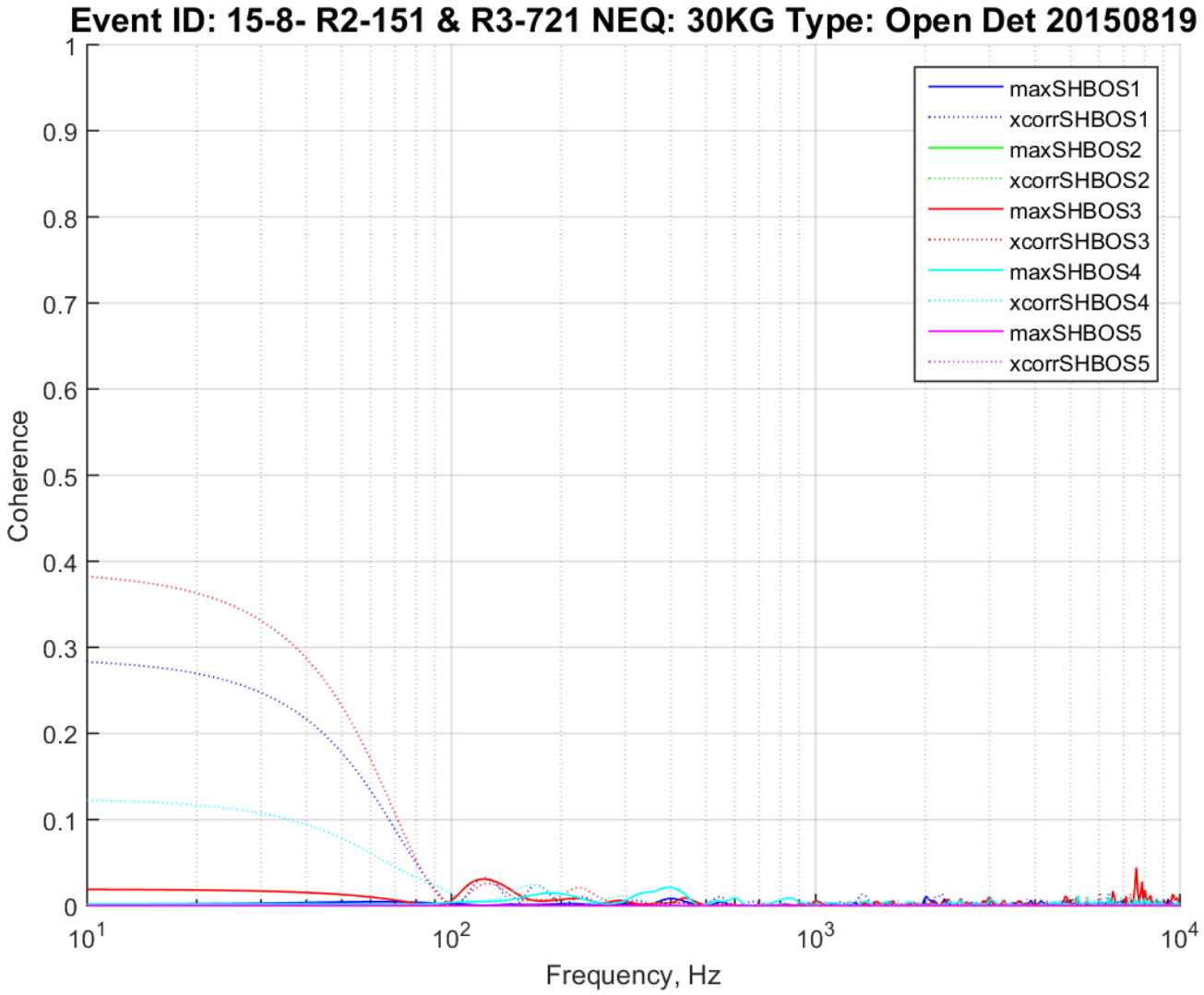


FIGURE 2.493: COHERENCE SHB_OS 1 - 5 15-8- R2-151 & R3-721

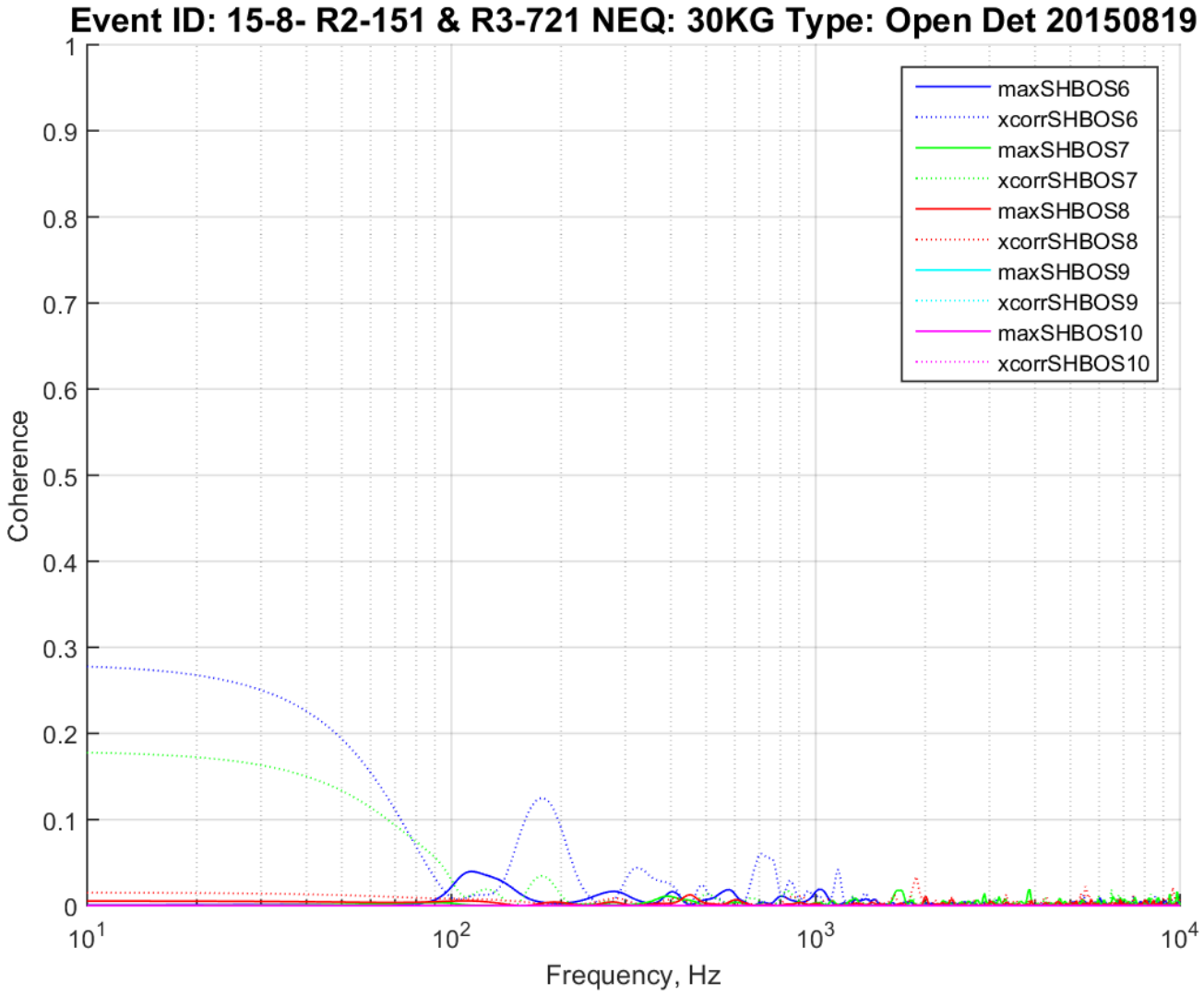


FIGURE 2.494: COHERENCE SHB_OS 6 - 10 15-8- R2-151 & R3-721CTD

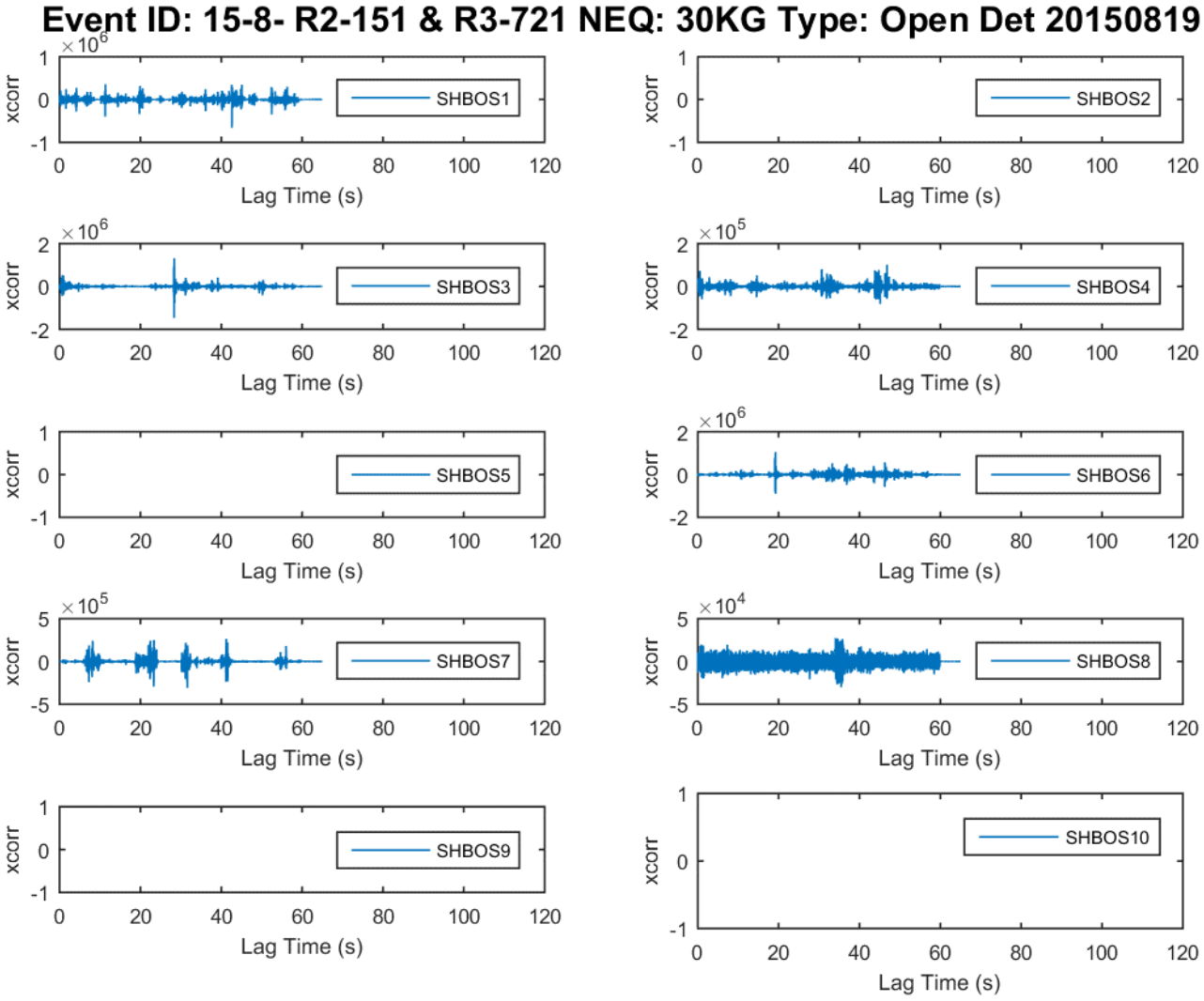
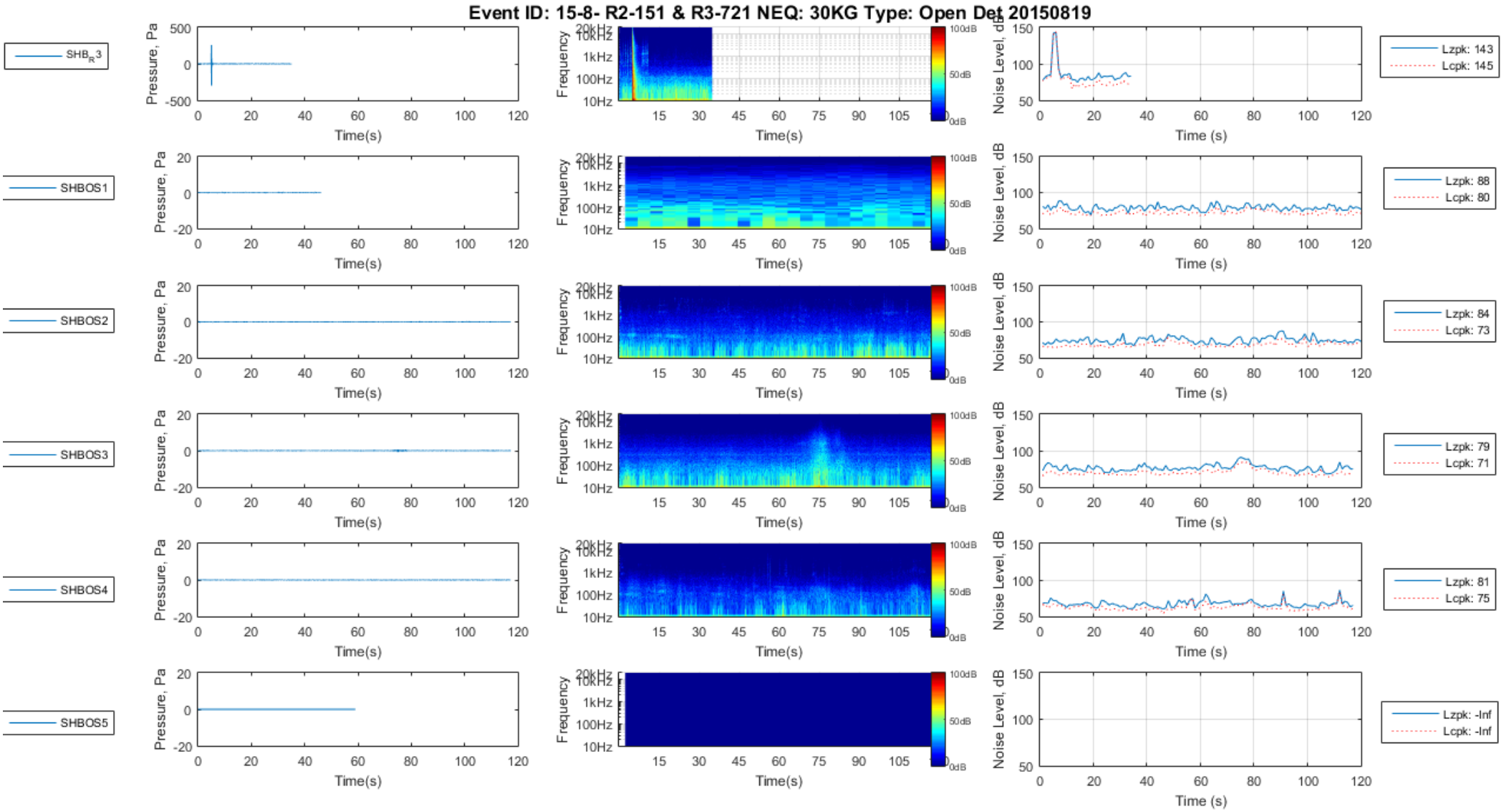
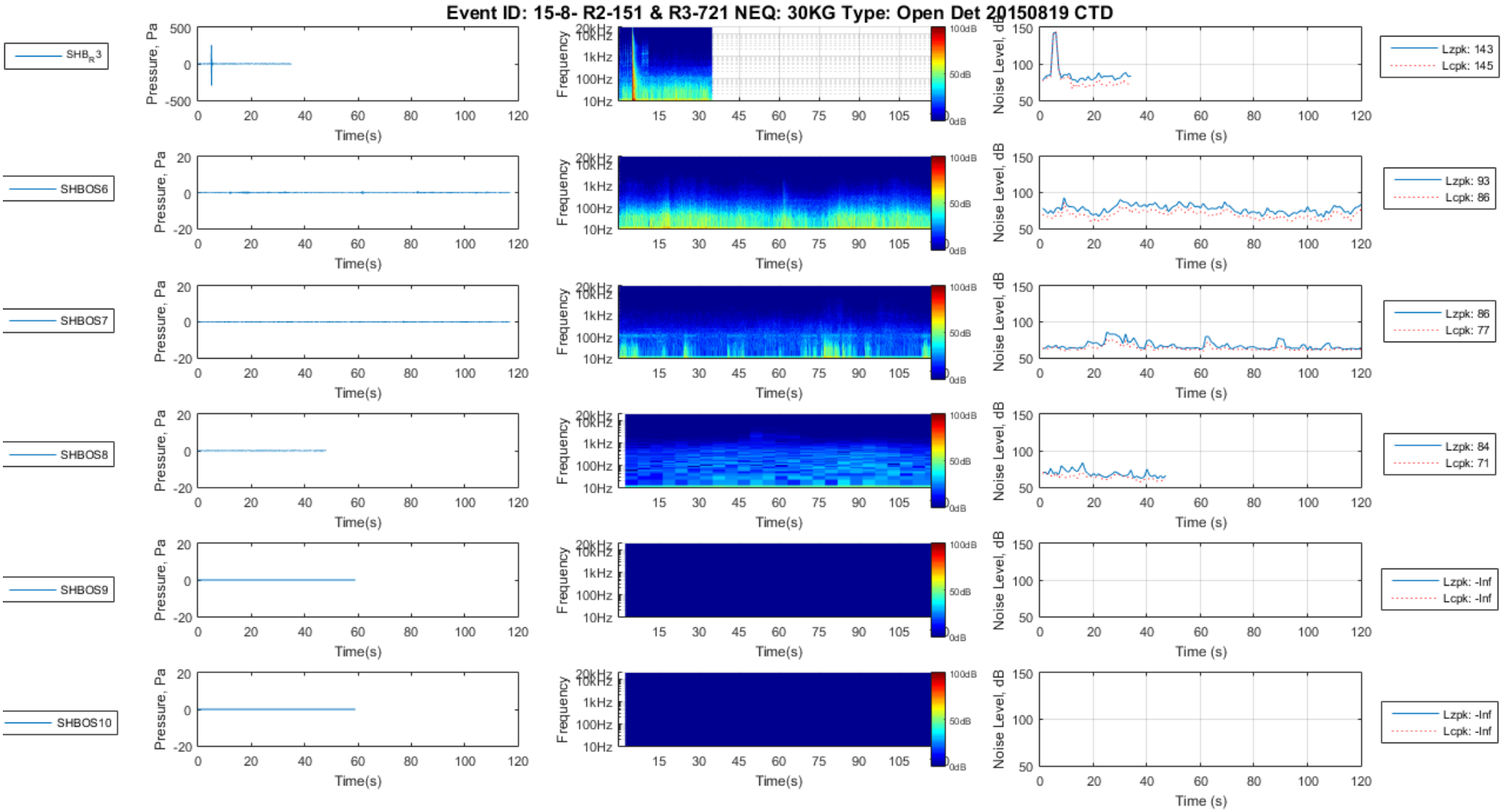


FIGURE 2.495: CROSS CORRELATION SHB_OS 1 - 10 15-8- R2-151 & R3-721


Event ID: 15-8- R2-151 & R3-721 NEQ: 30KG Type: Open Det 20150819
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 143
Lcpk: 145
Lzpk: 88
Lcpk: 80
Lzpk: 84
Lcpk: 73
Lzpk: 79
Lcpk: 71
Lzpk: 81
Lcpk: 75
Lzpk: -Inf
Lcpk: -Inf


Event ID: 15-8- R2-151 & R3-721 NEQ: 30KG Type: Open Det 20150819 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 143
Lcpk: 145
Lzpk: 93
Lcpk: 86
Lzpk: 86
Lcpk: 77
Lzpk: 84
Lcpk: 71
Lzpk: -Inf
Lcpk: -Inf
Lzpk: -Inf
Lcpk: -Inf

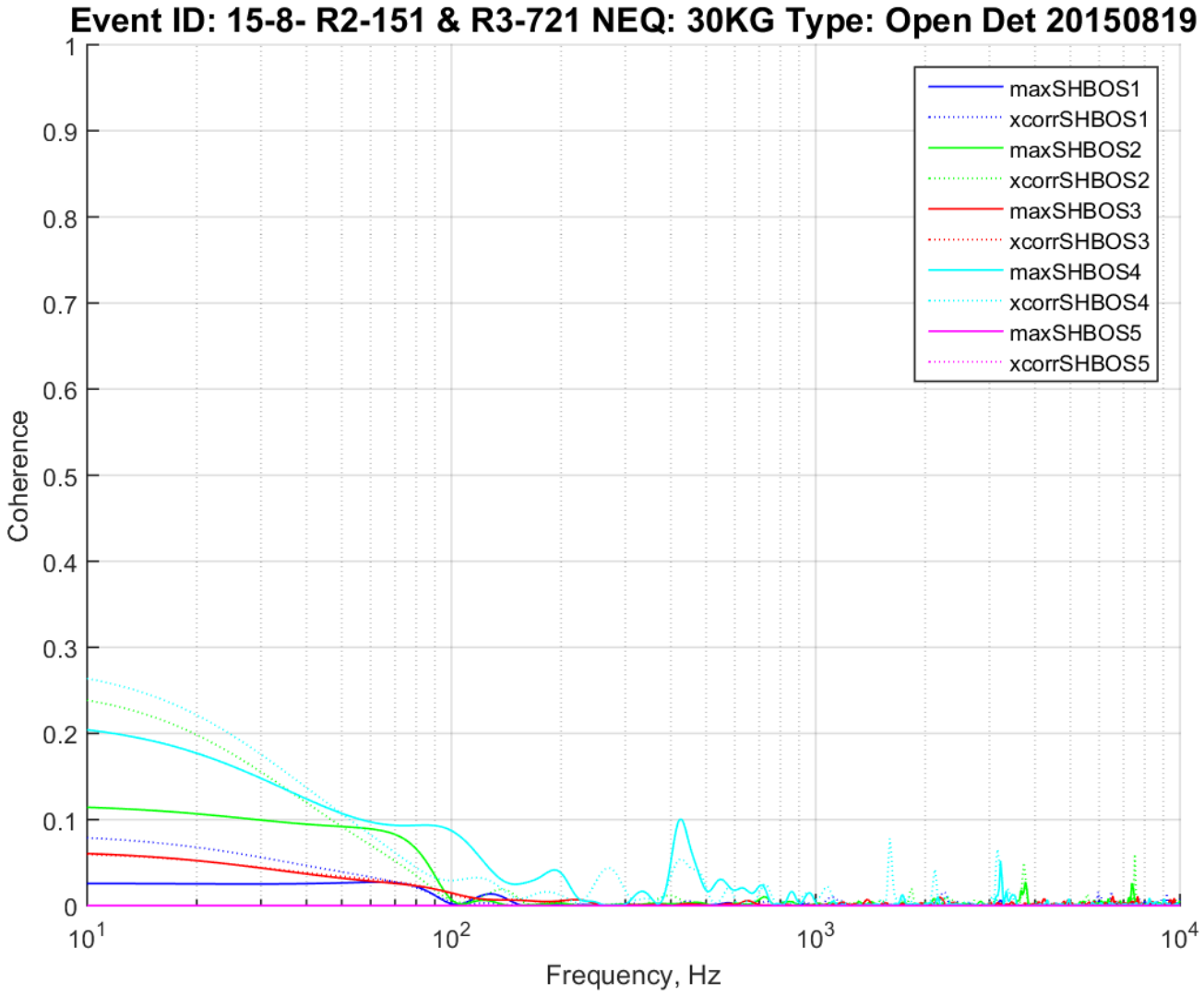


FIGURE 2.498: COHERENCE SHB_OS 1 - 5 15-8- R2-151 & R3-721

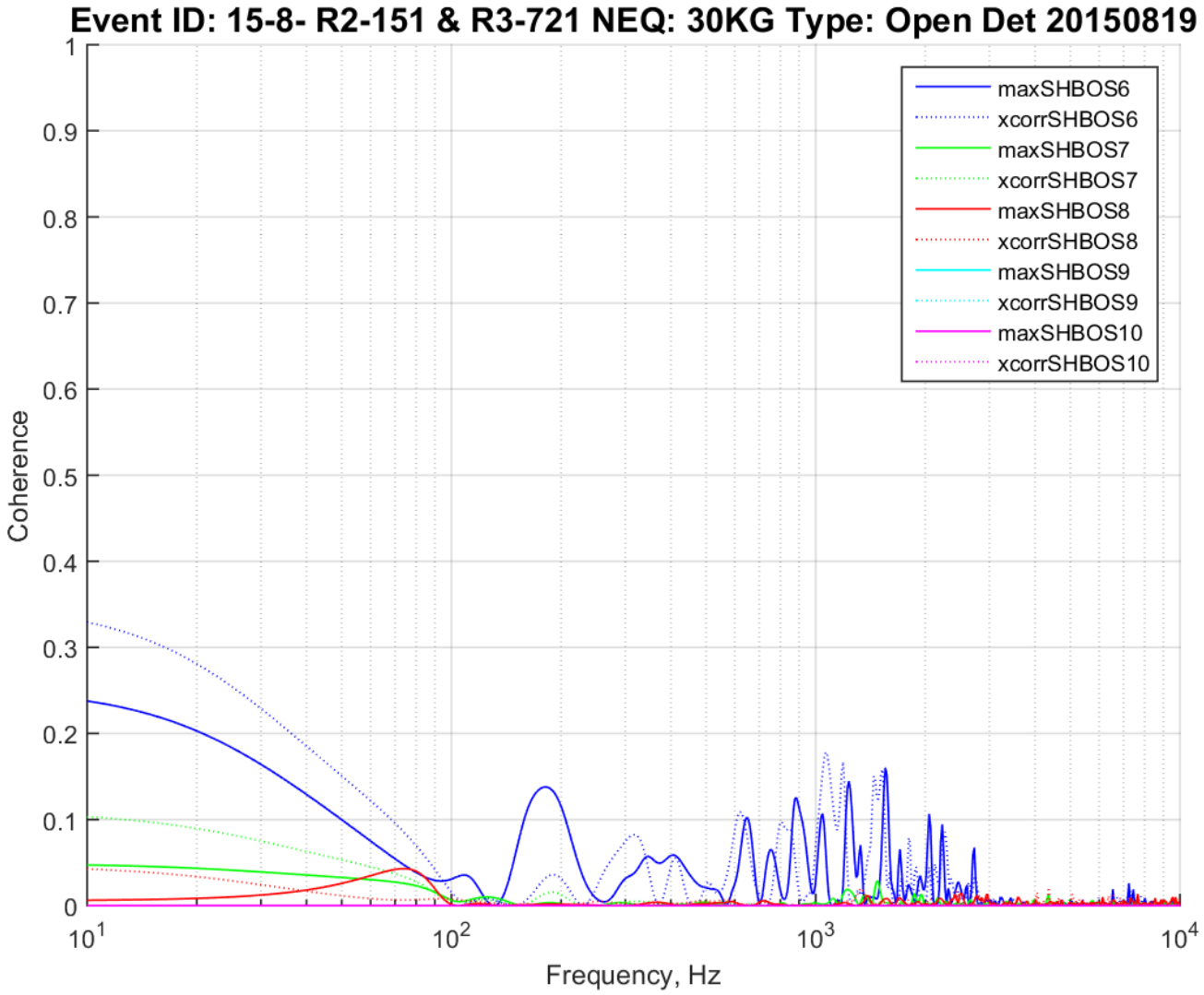


FIGURE 2.499: COHERENCE SHB_OS 6 - 10 15-8- R2-151 & R3-721CTD

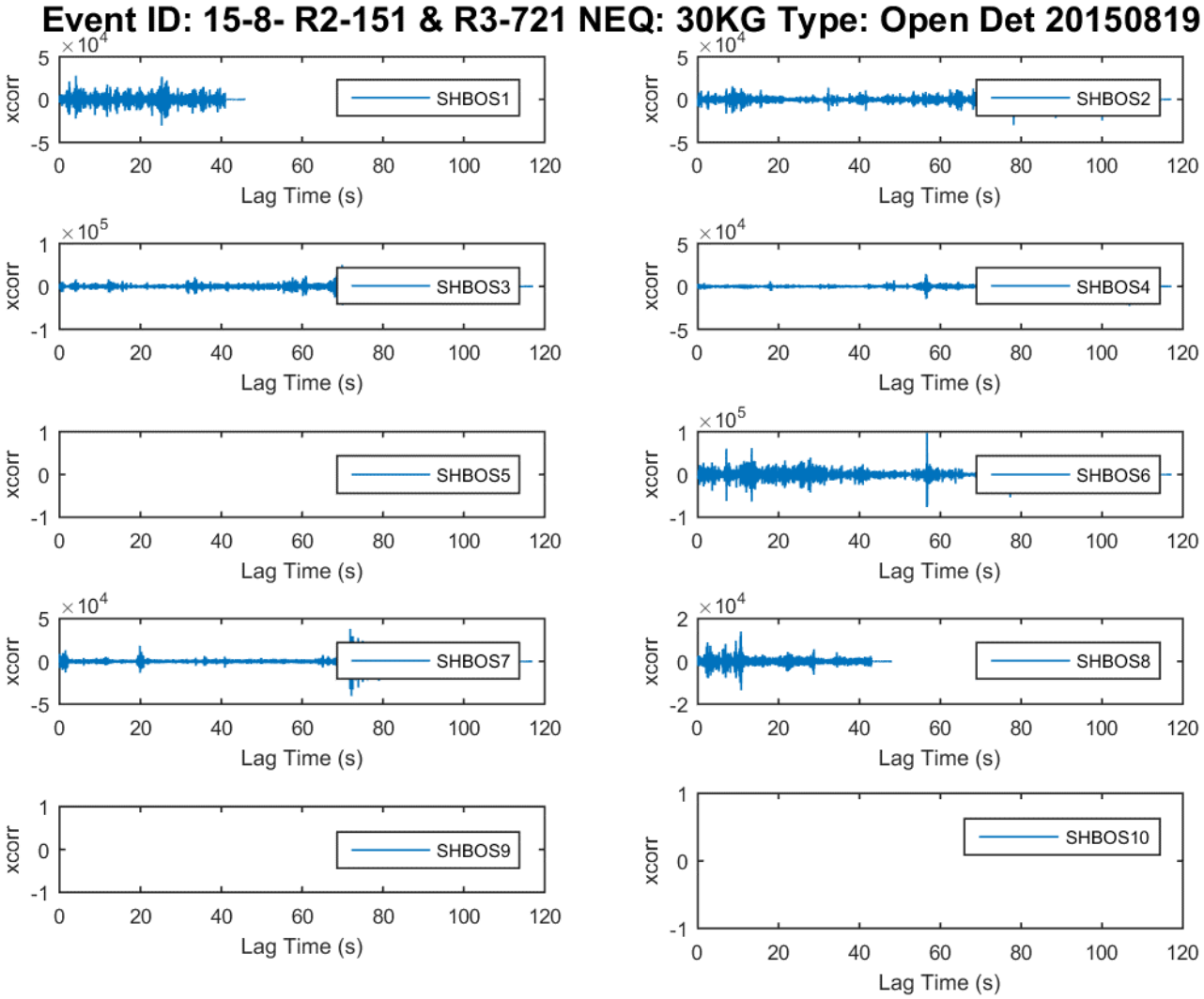


FIGURE 2.500: CROSS CORRELATION SHB_OS 1 - 10 15-8- R2-151 & R3-721

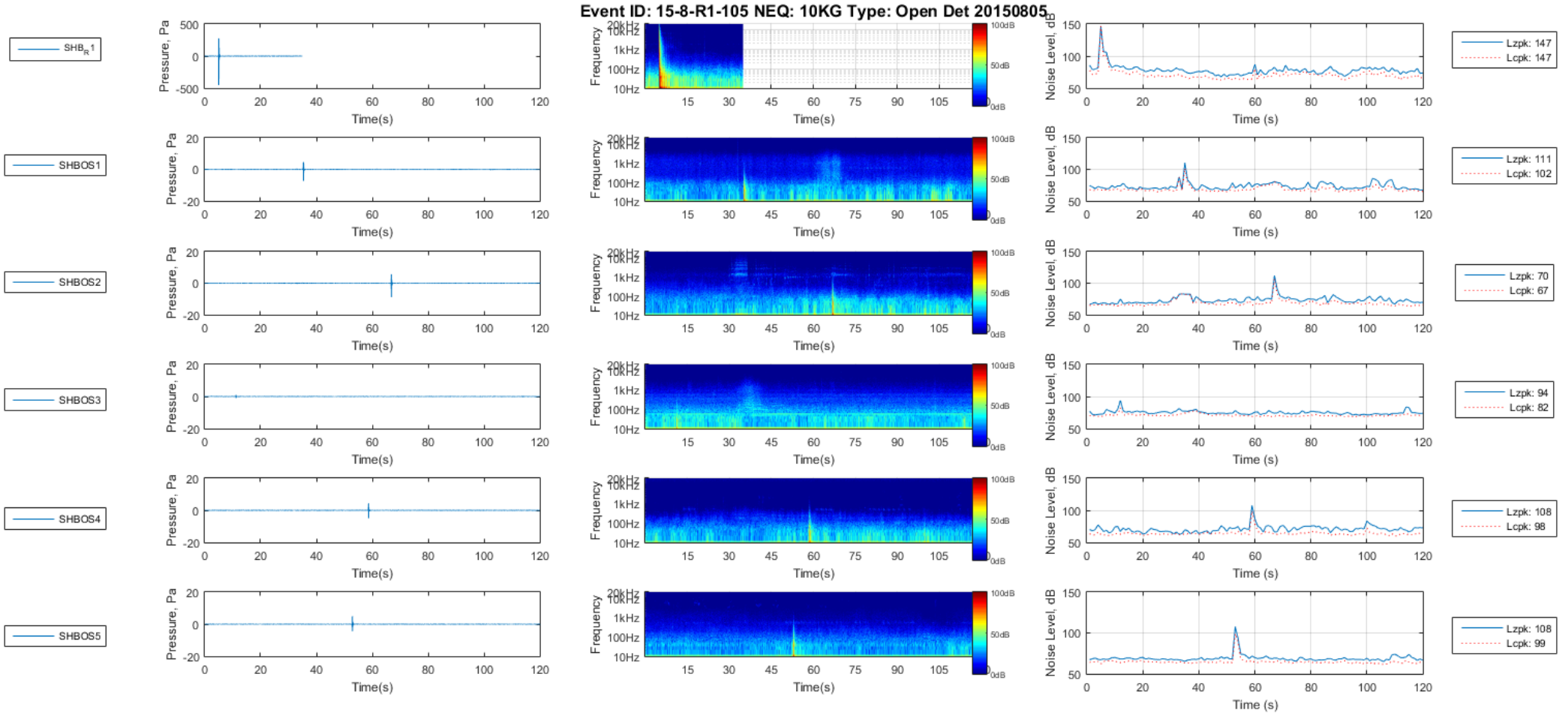


FIGURE 2.501: SHB_OS 1 - 5 15-8-R1-105

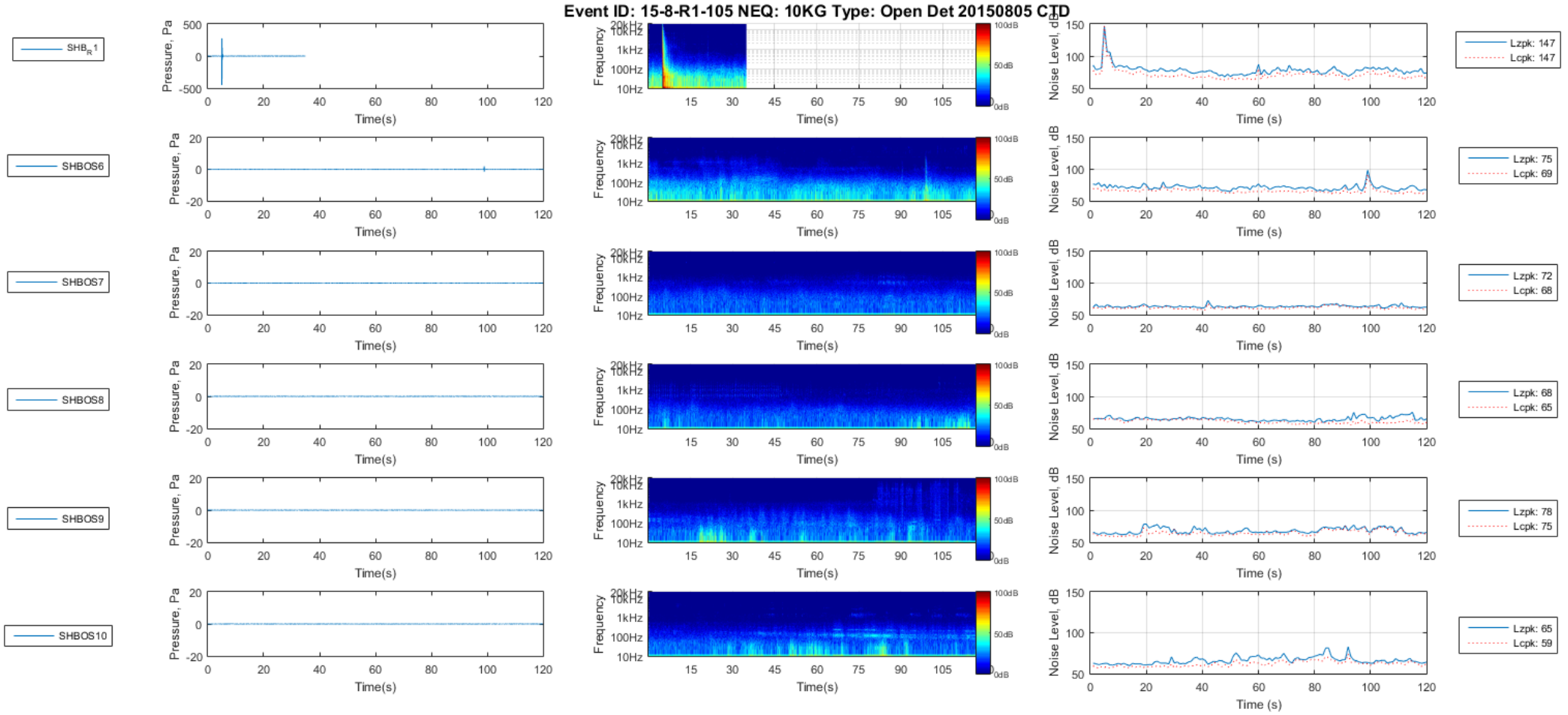


FIGURE 2.502: SHB_OS 6 - 10 15-8-R1-105

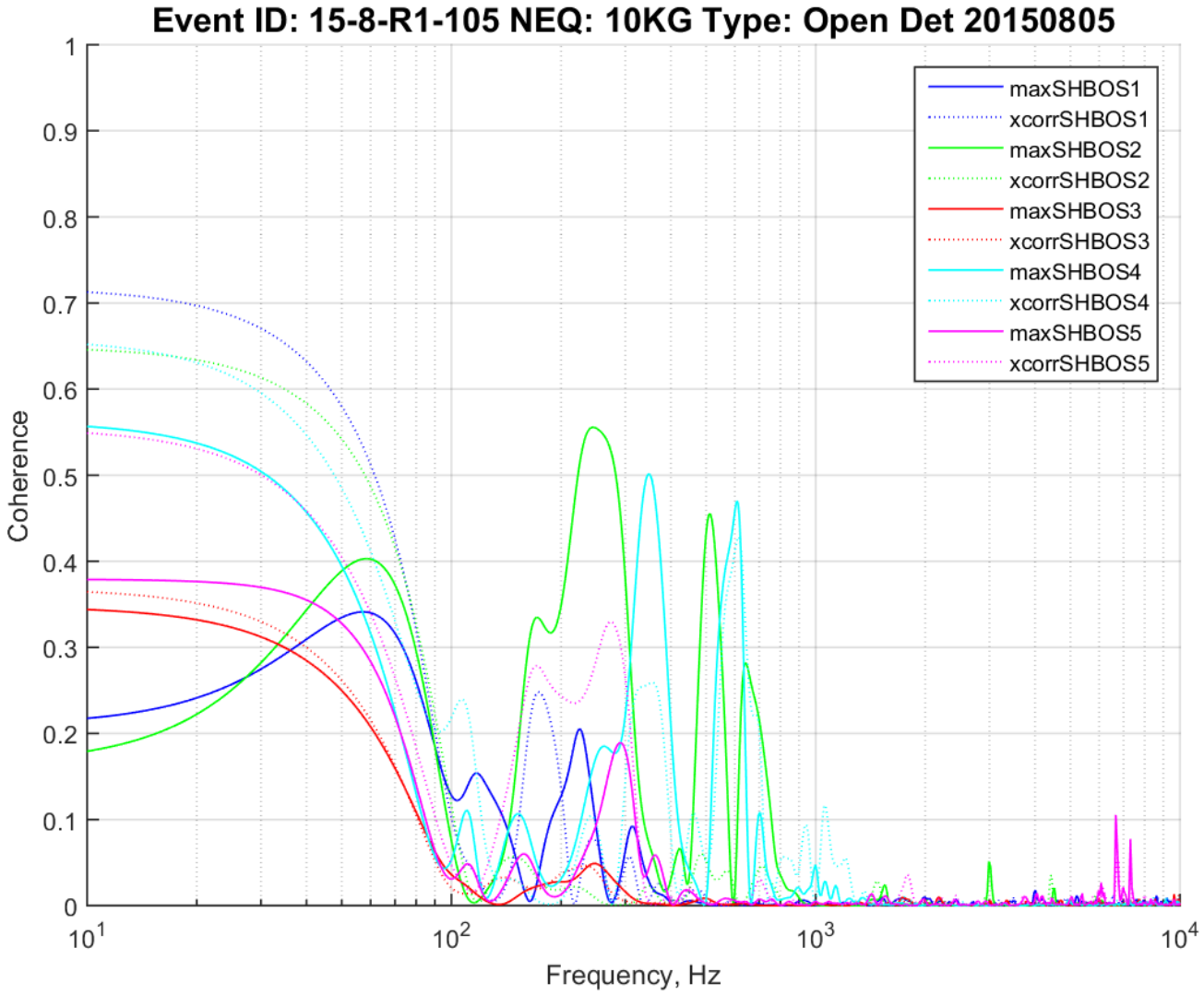


FIGURE 2.503: COHERENCE SHB_OS 1 - 5 15-8-R1-105

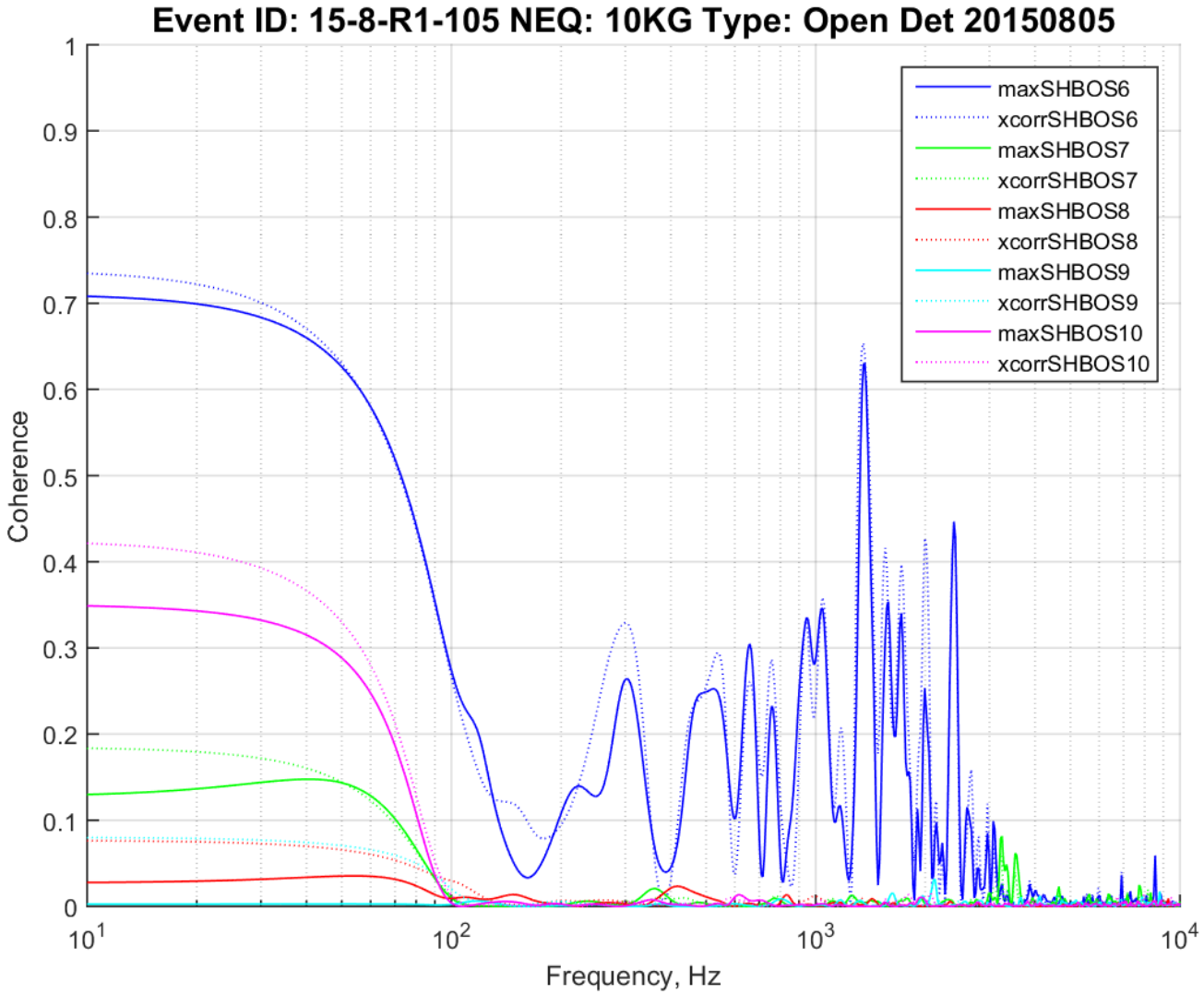


FIGURE 2.504: COHERENCE SHB_OS 6 - 10 15-8-R1-105CTD

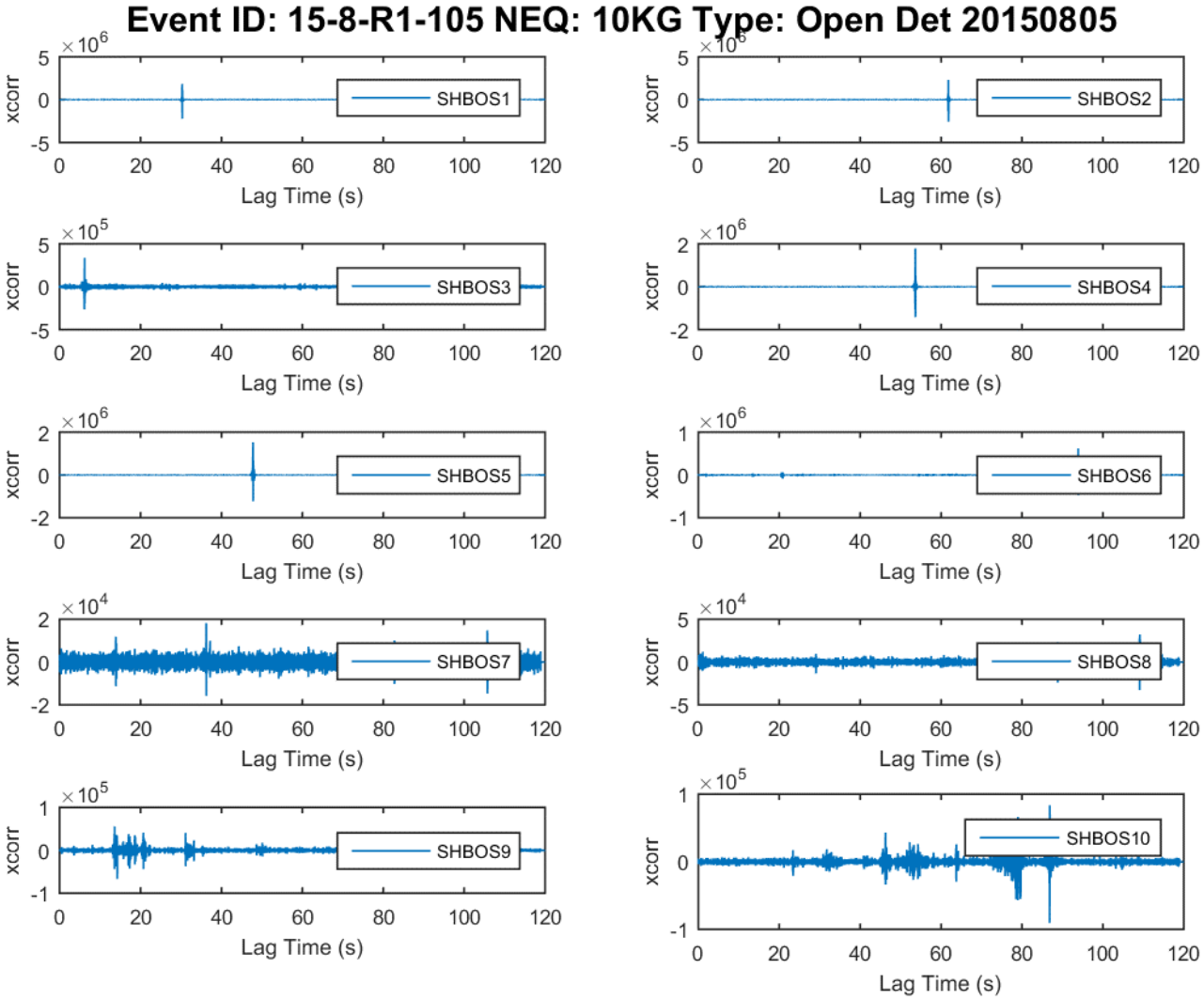


FIGURE 2.505: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-105

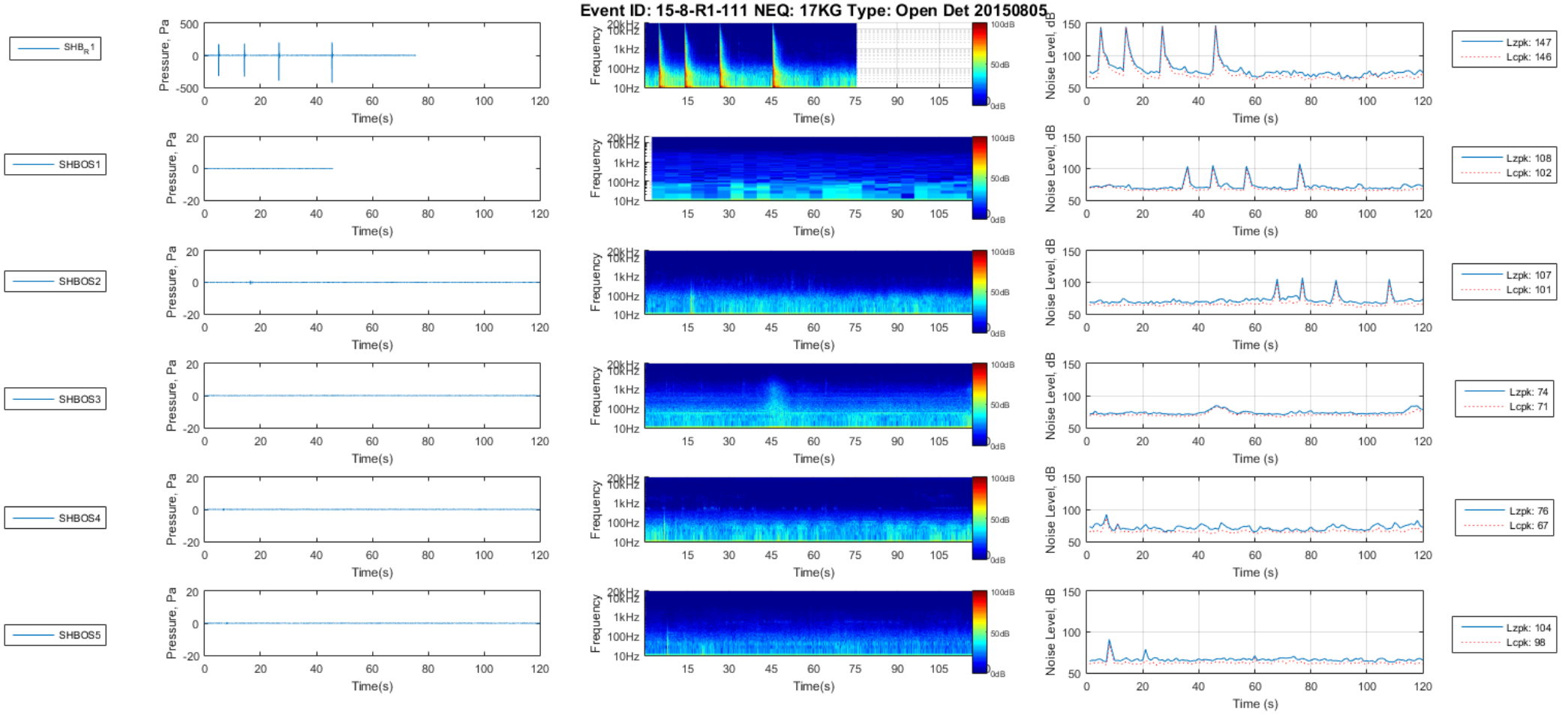


FIGURE 2.506: SHB_OS 1 - 5 15-8-R1-111

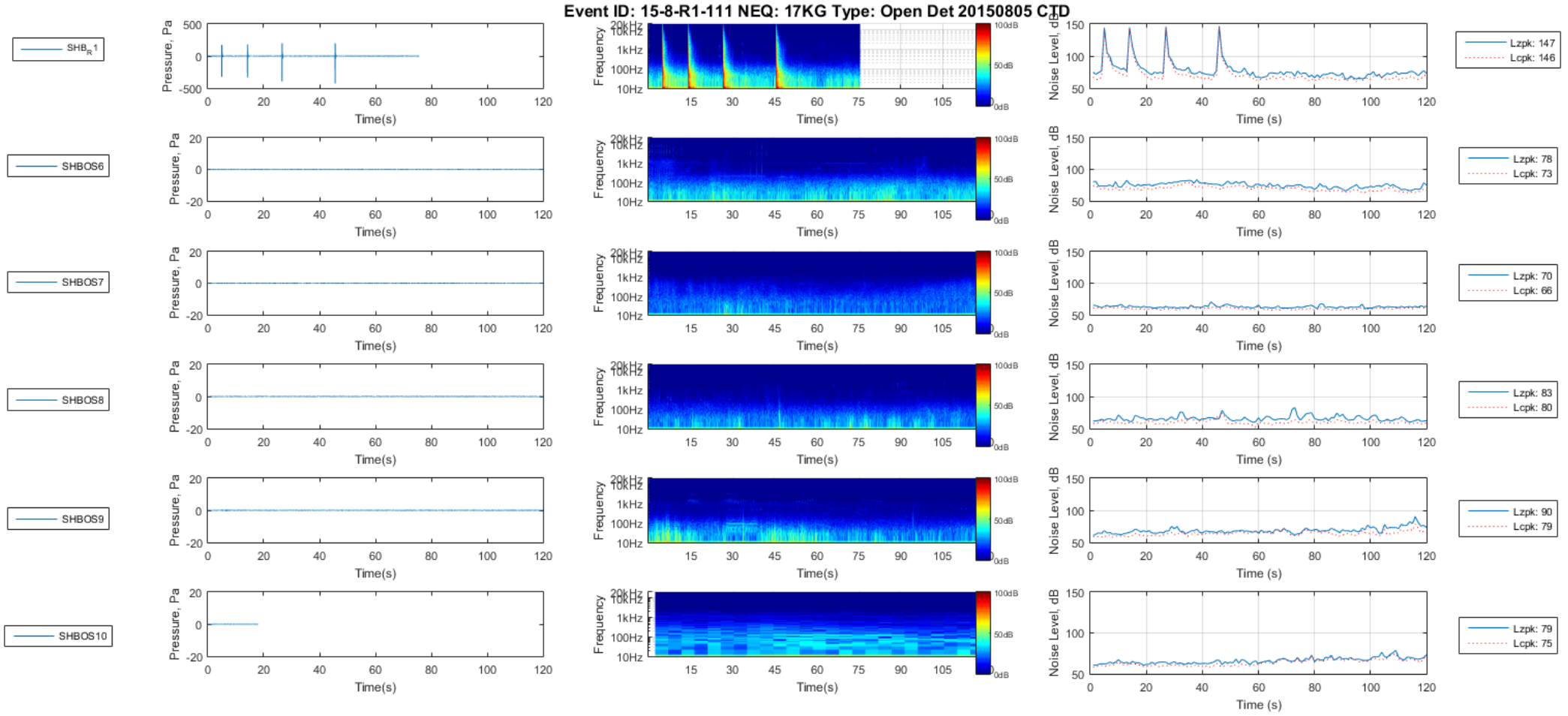


FIGURE 2.507: SHB_OS 6 - 10 15-8-R1-111

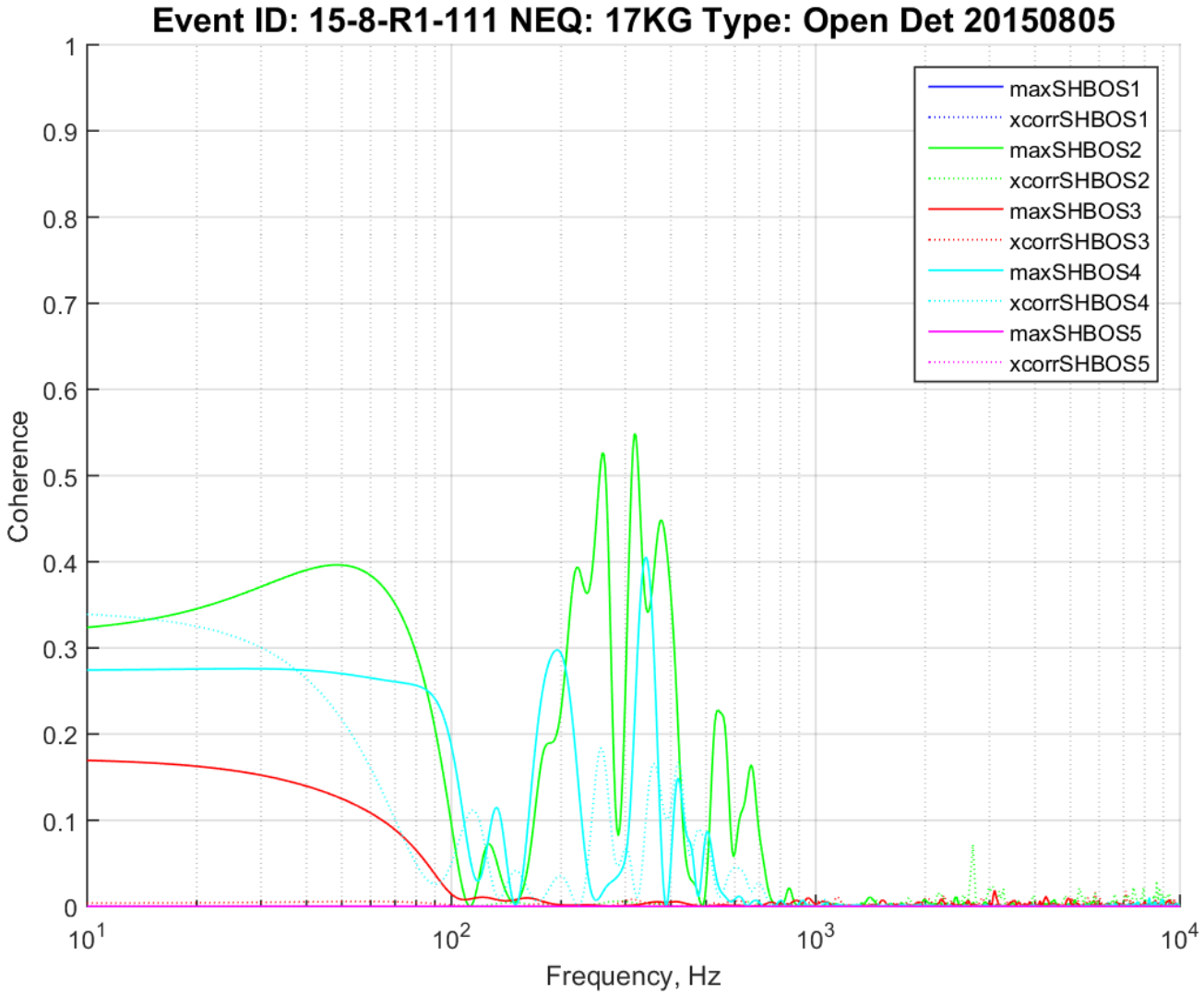


FIGURE 2.508: COHERENCE SHB_OS 1 - 5 15-8-R1-111

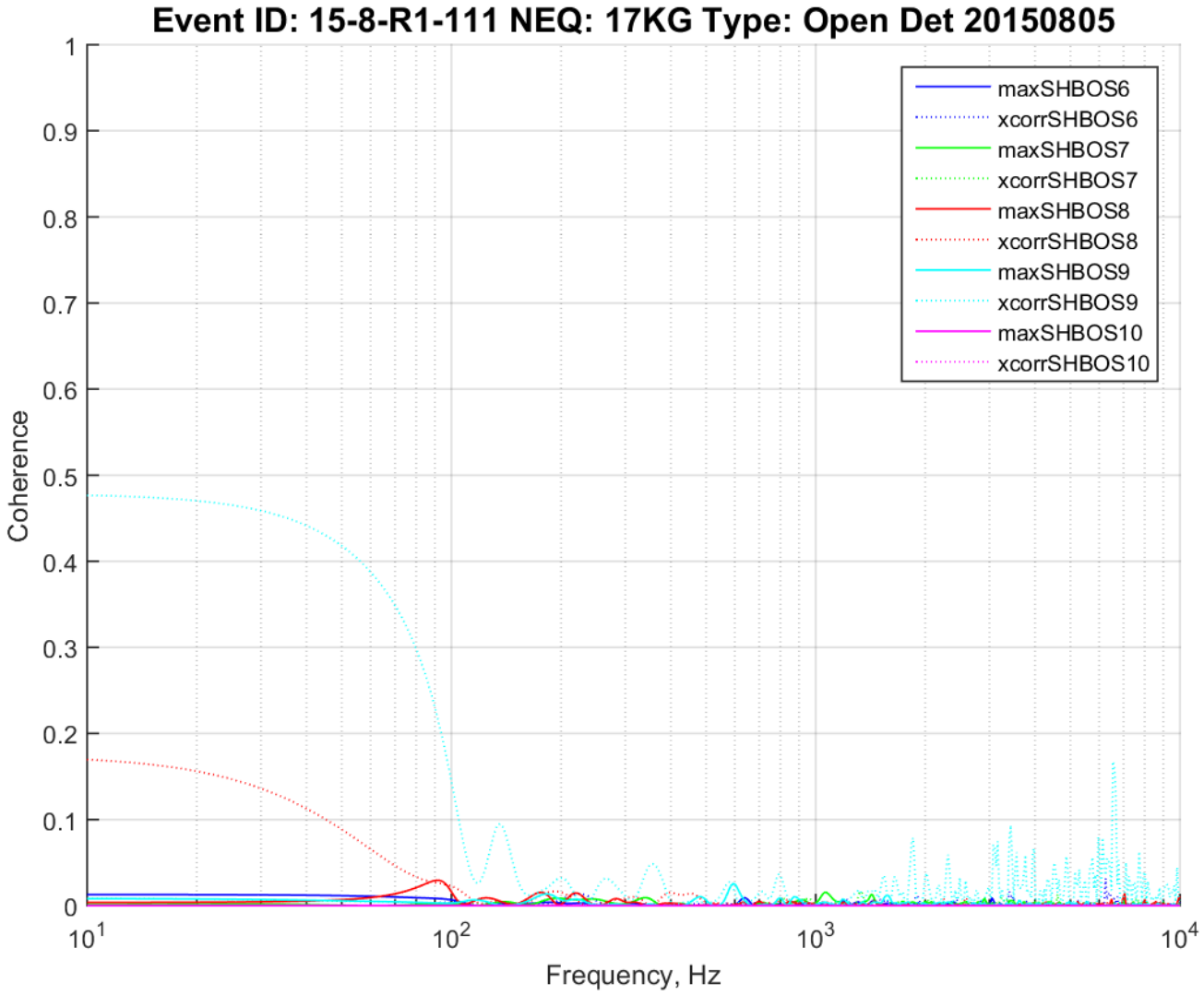


FIGURE 2.509: COHERENCE SHB_OS 6 - 10 15-8-R1-111CTD

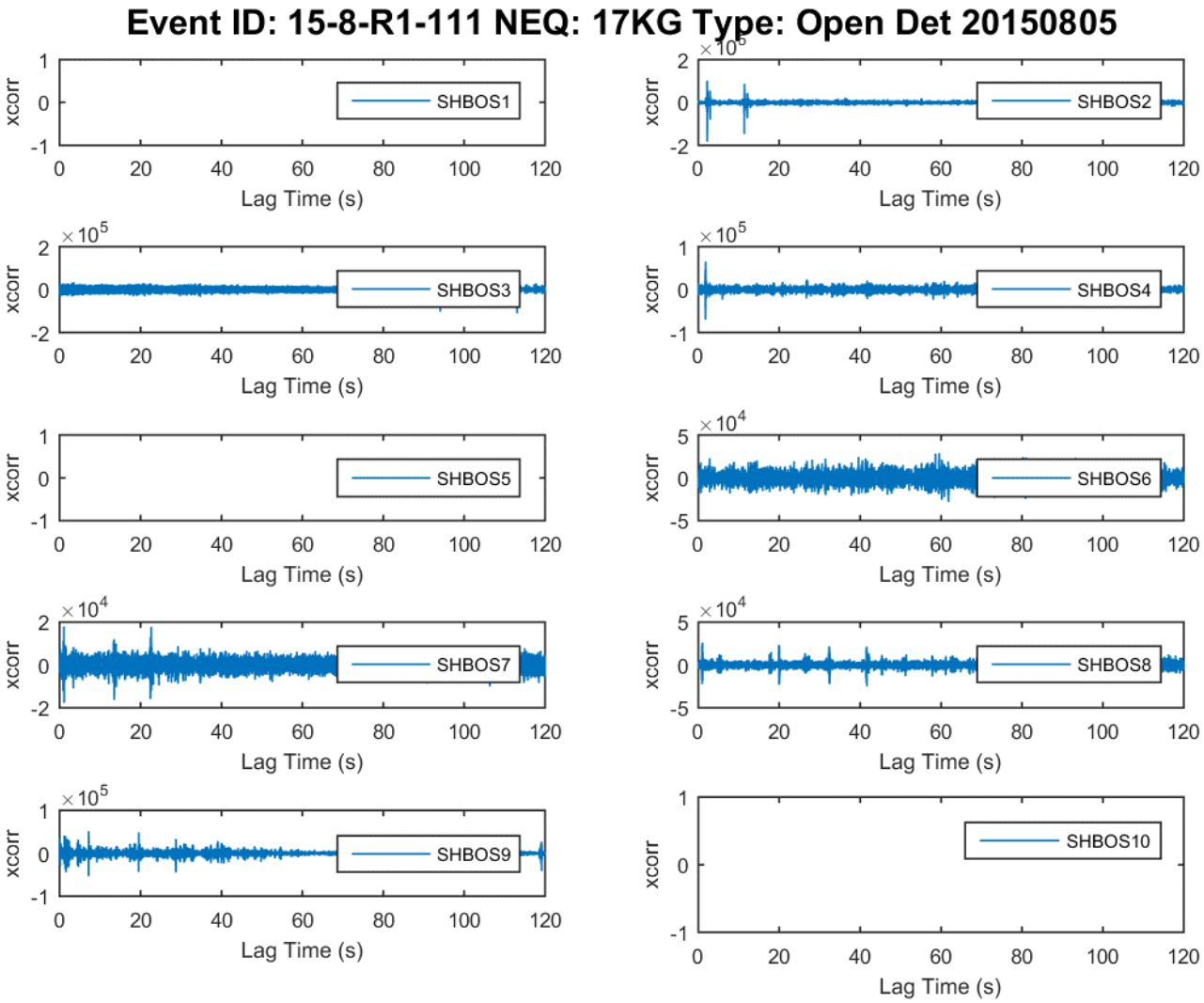


FIGURE 2.510: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-111

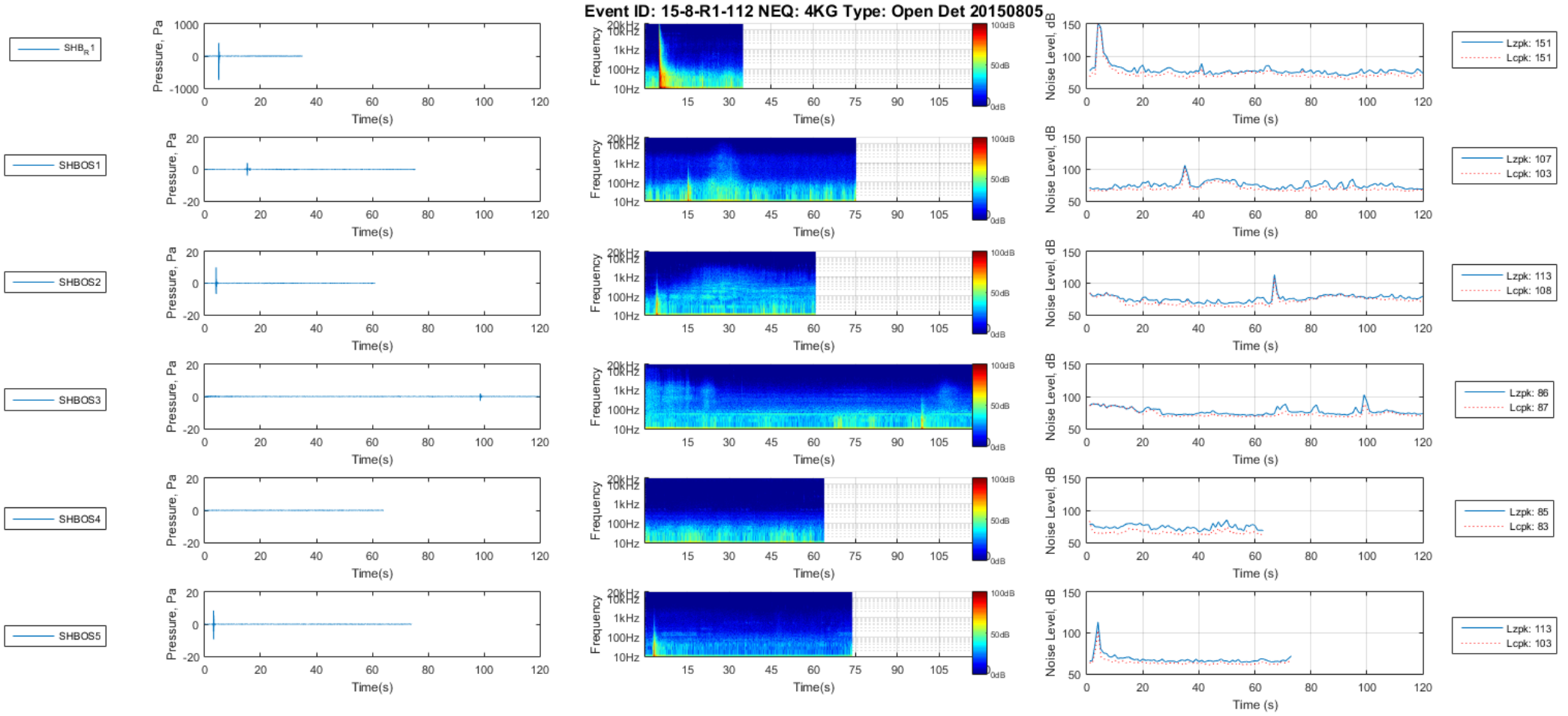


FIGURE 2.511: SHB_OS 1 - 5 15-8-R1-112

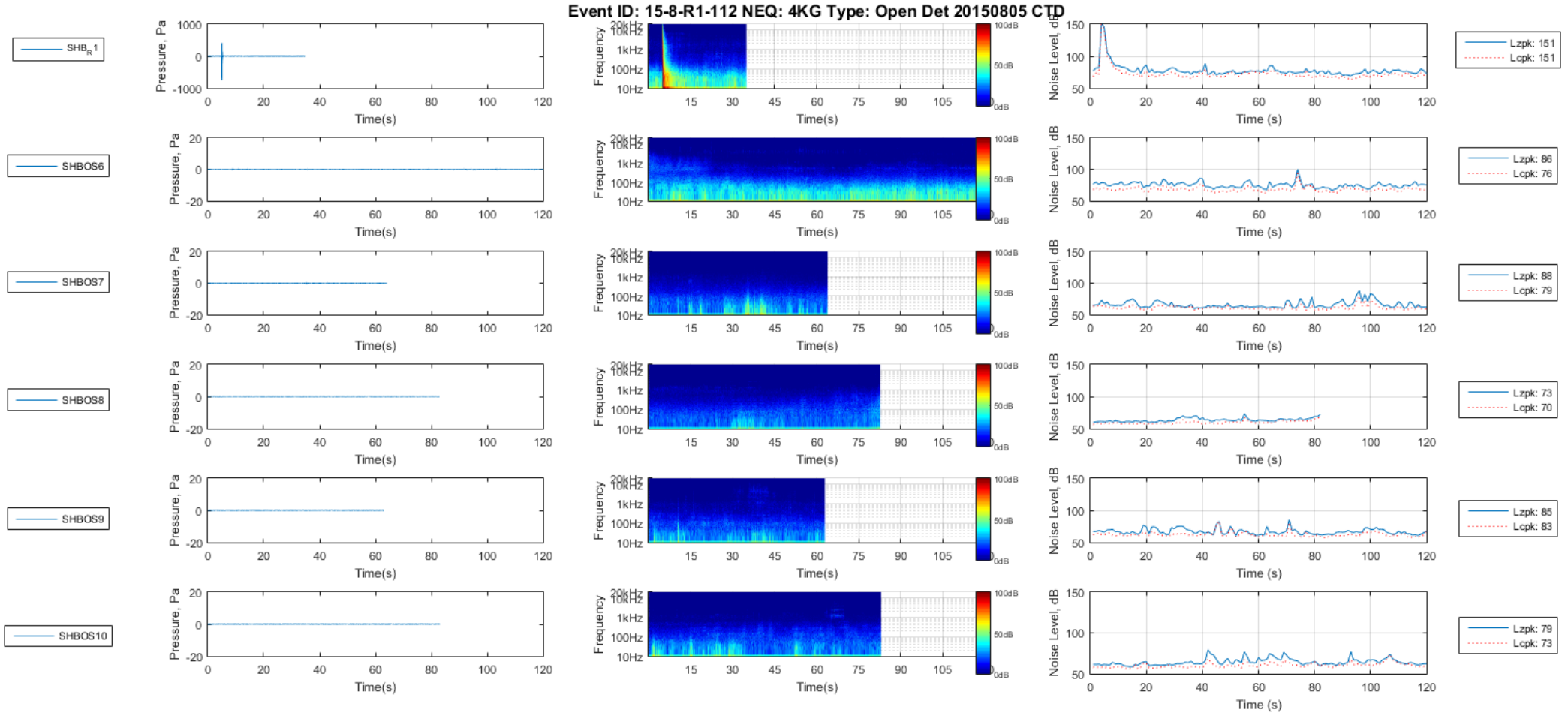


FIGURE 2.512: SHB_OS 6 - 10 15-8-R1-112

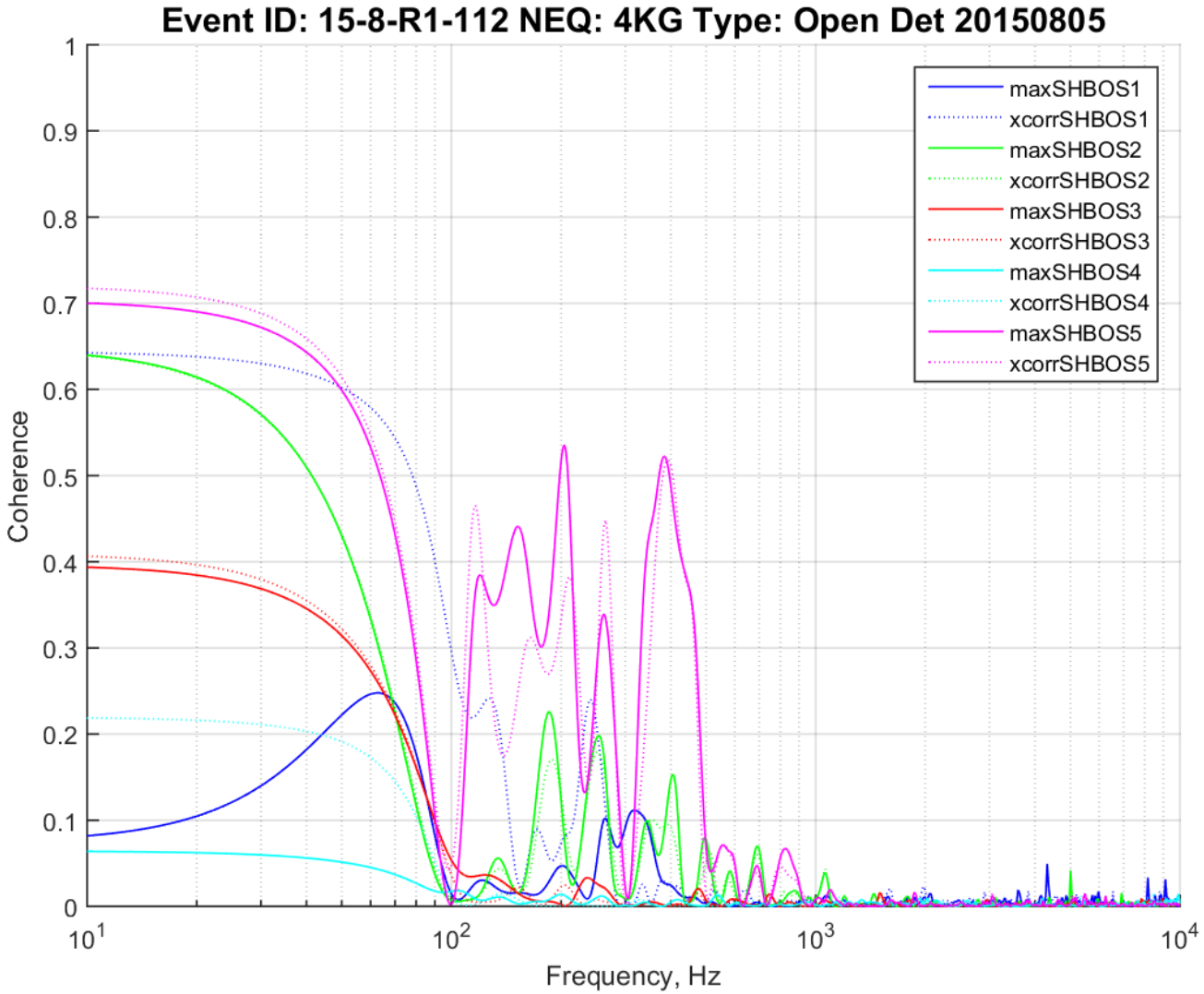


FIGURE 2.513: COHERENCE SHB_OS 1 - 5 15-8-R1-112

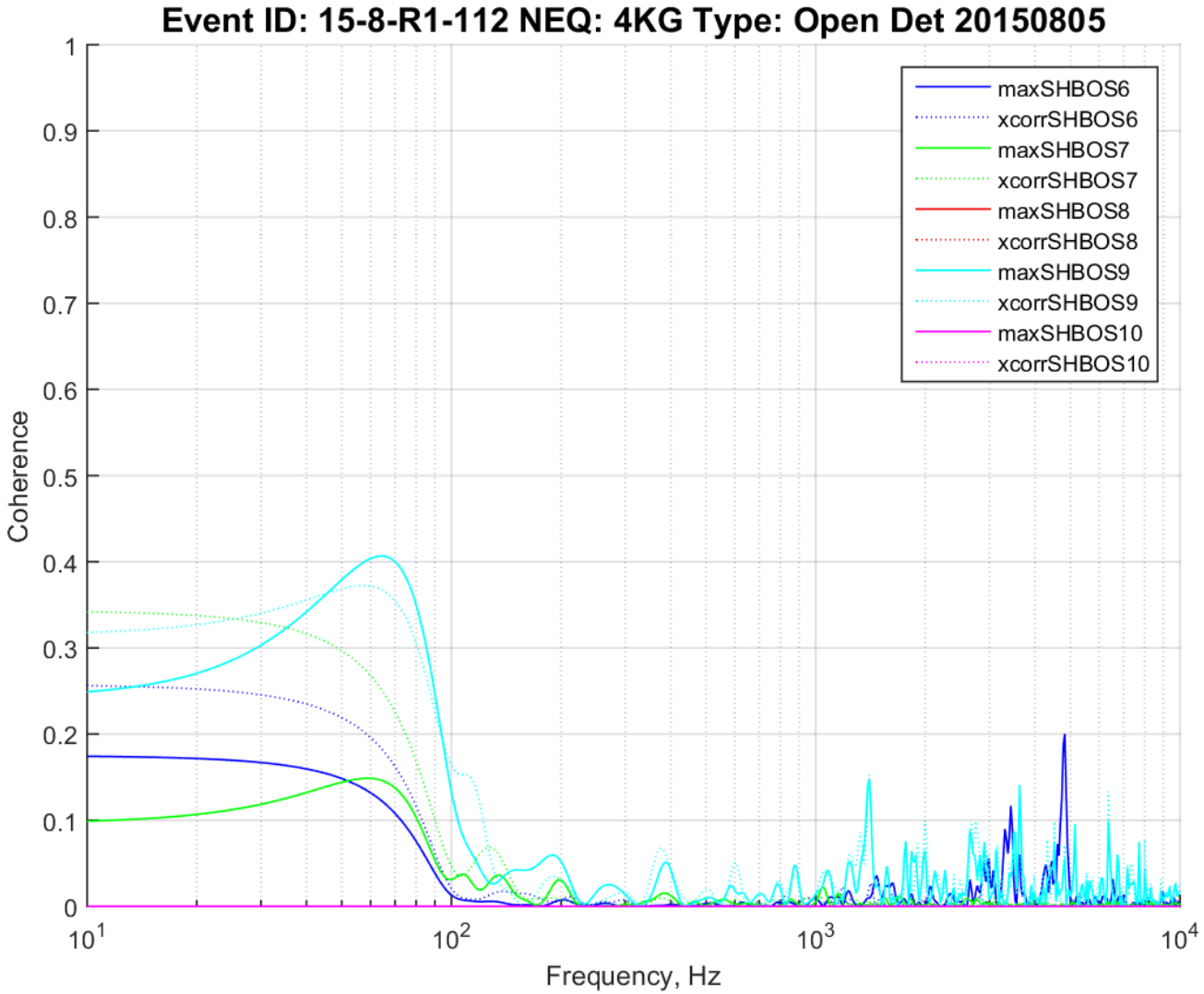


FIGURE 2.514: COHERENCE SHB_OS 6 - 10 15-8-R1-112CTD

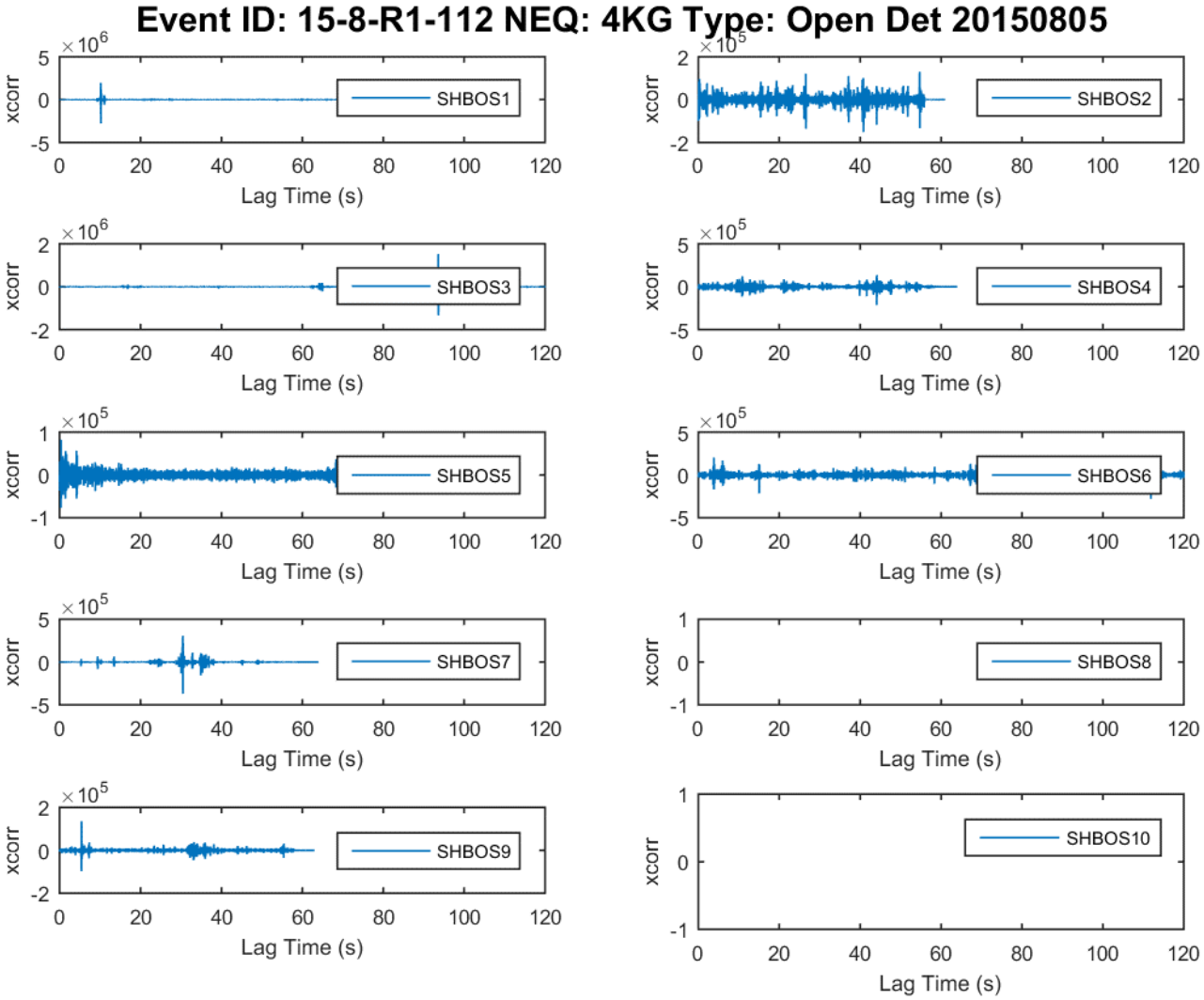


FIGURE 2.515: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-112

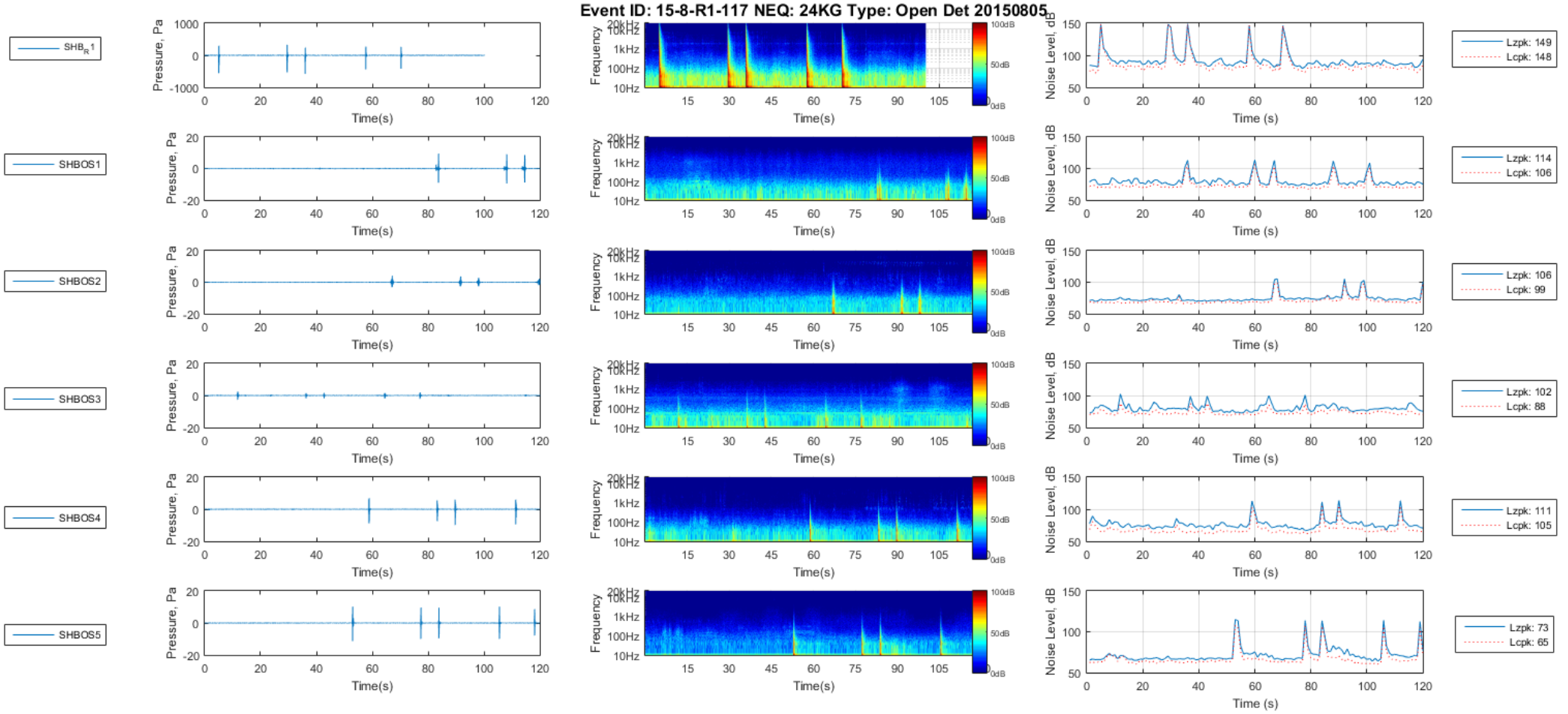


FIGURE 2.516: SHB_OS 1 - 5 15-8-R1-117

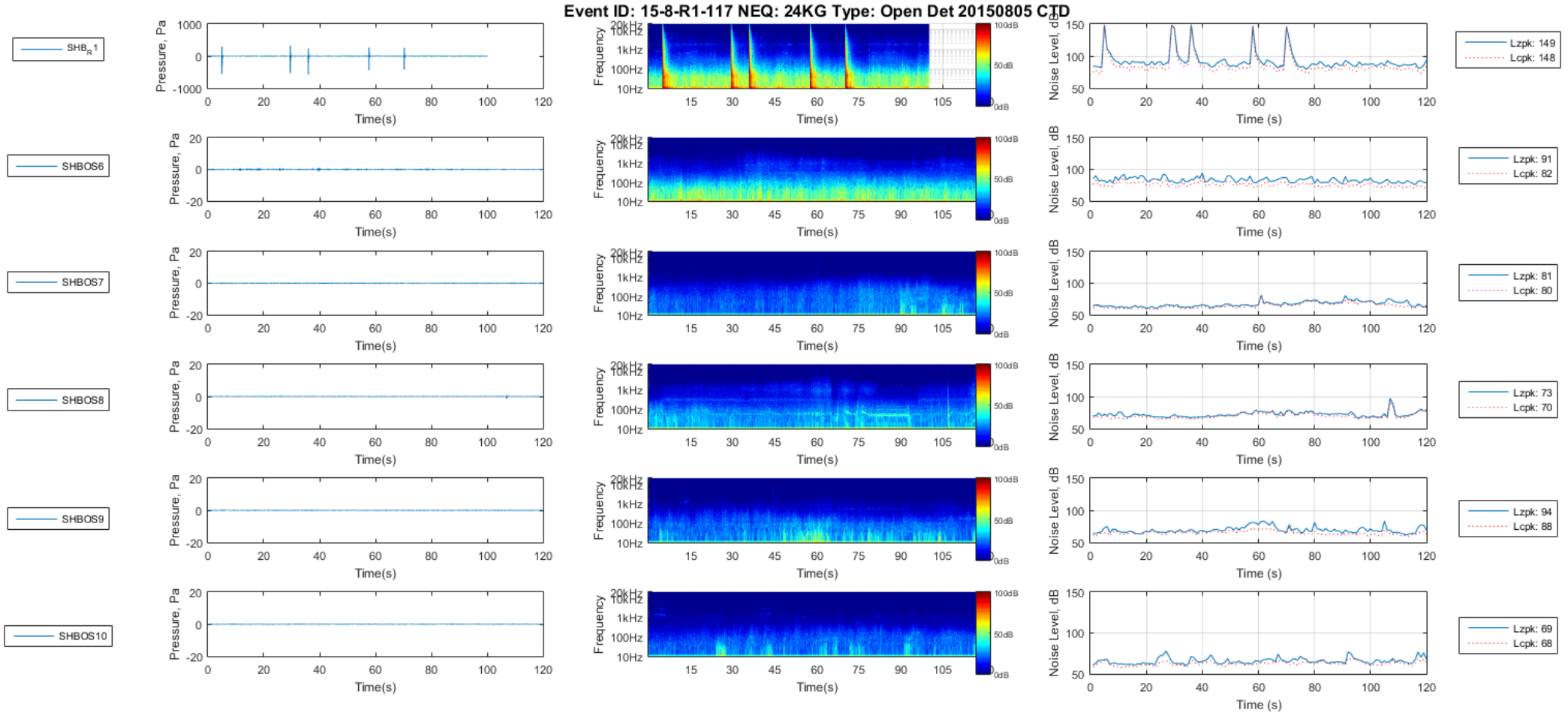


FIGURE 2.517: SHB_OS 6 - 10 15-8-R1-117

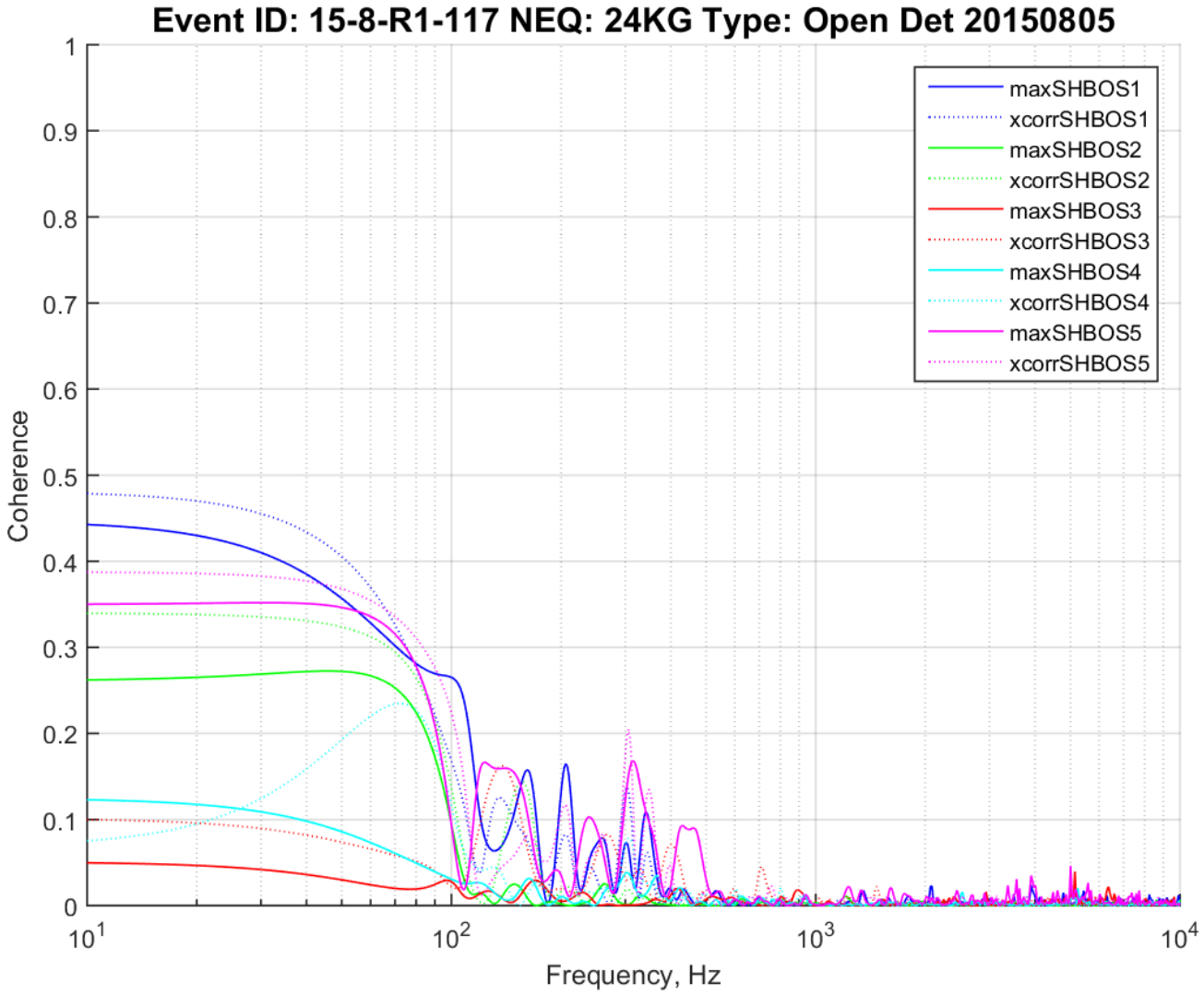


FIGURE 2.518: COHERENCE SHB_OS 1 - 5 15-8-R1-117

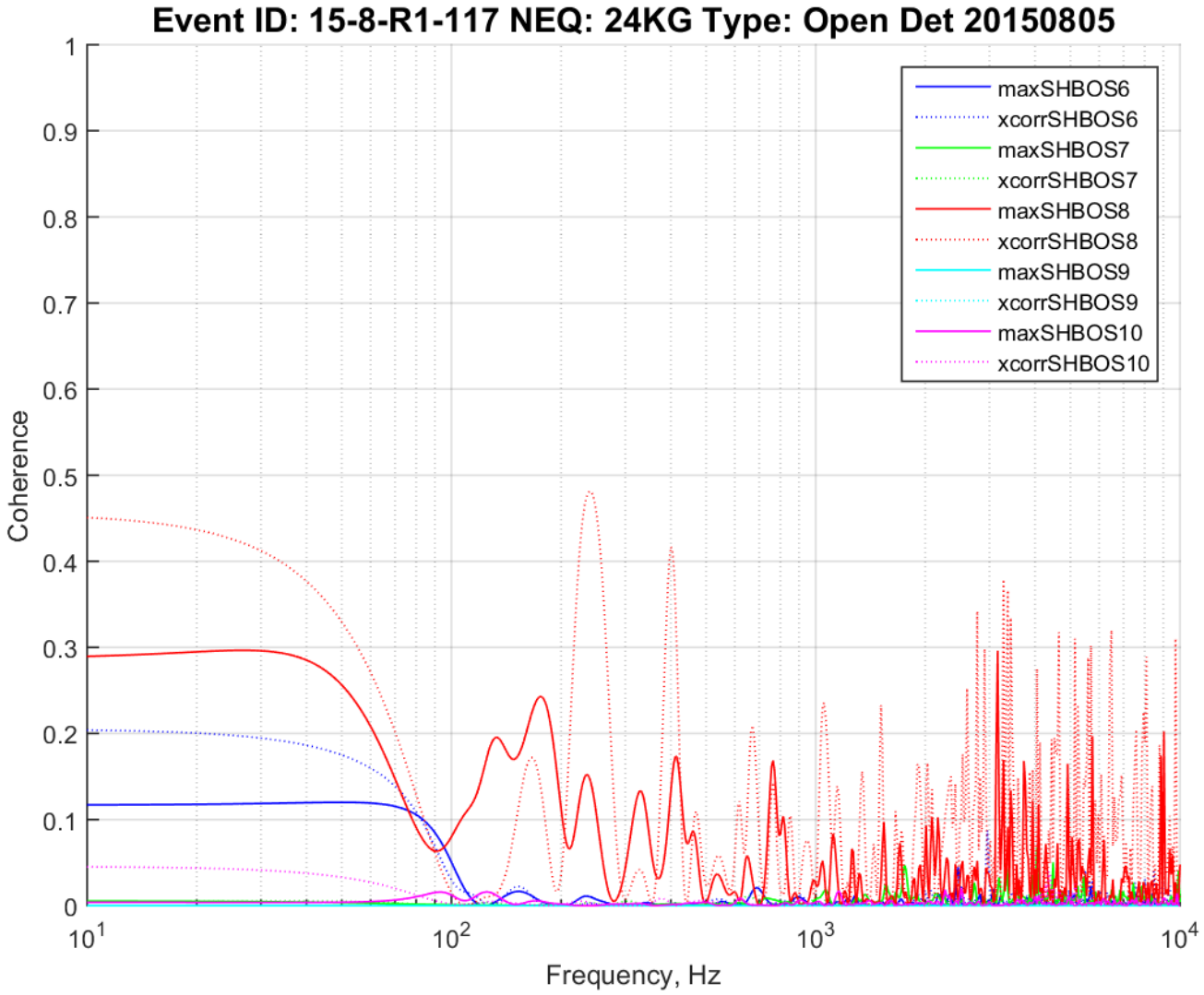


FIGURE 2.519: COHERENCE SHB_OS 6 - 10 15-8-R1-117CTD

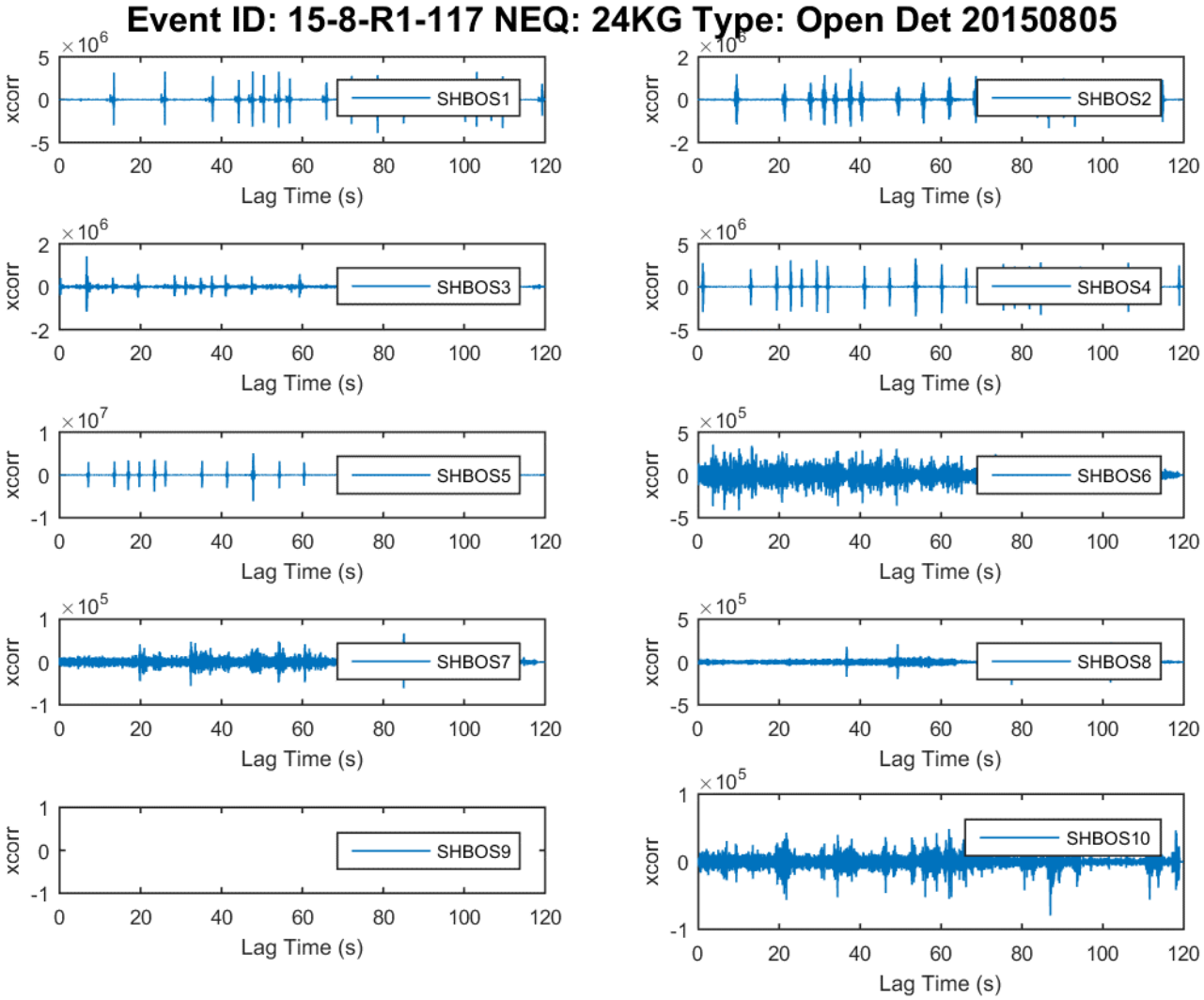


FIGURE 2.520: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-117

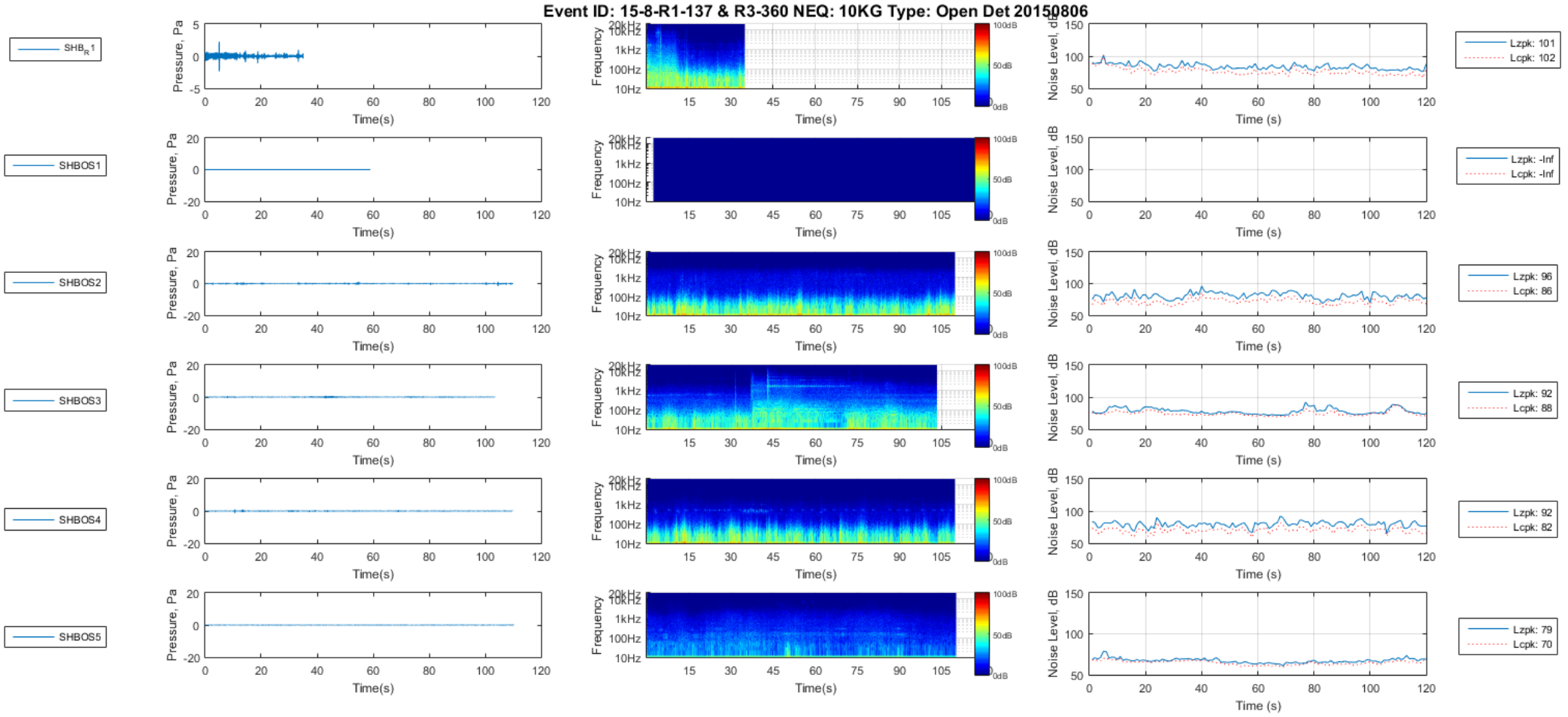


FIGURE 2.521: SHB_OS 1 - 5 15-8-R1-137 & R3-360

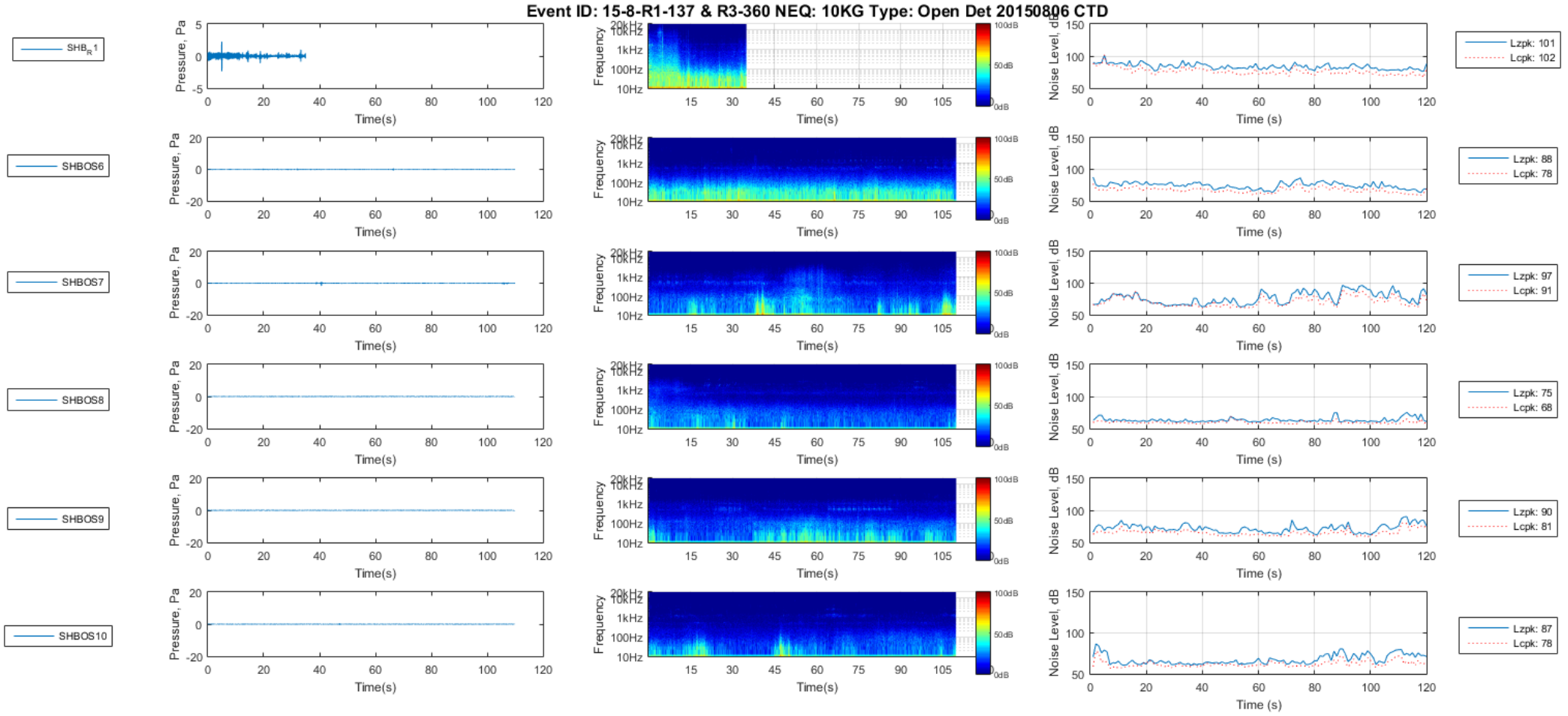


FIGURE 2.522: SHB_OS 6 - 10 15-8-R1-137 & R3-360

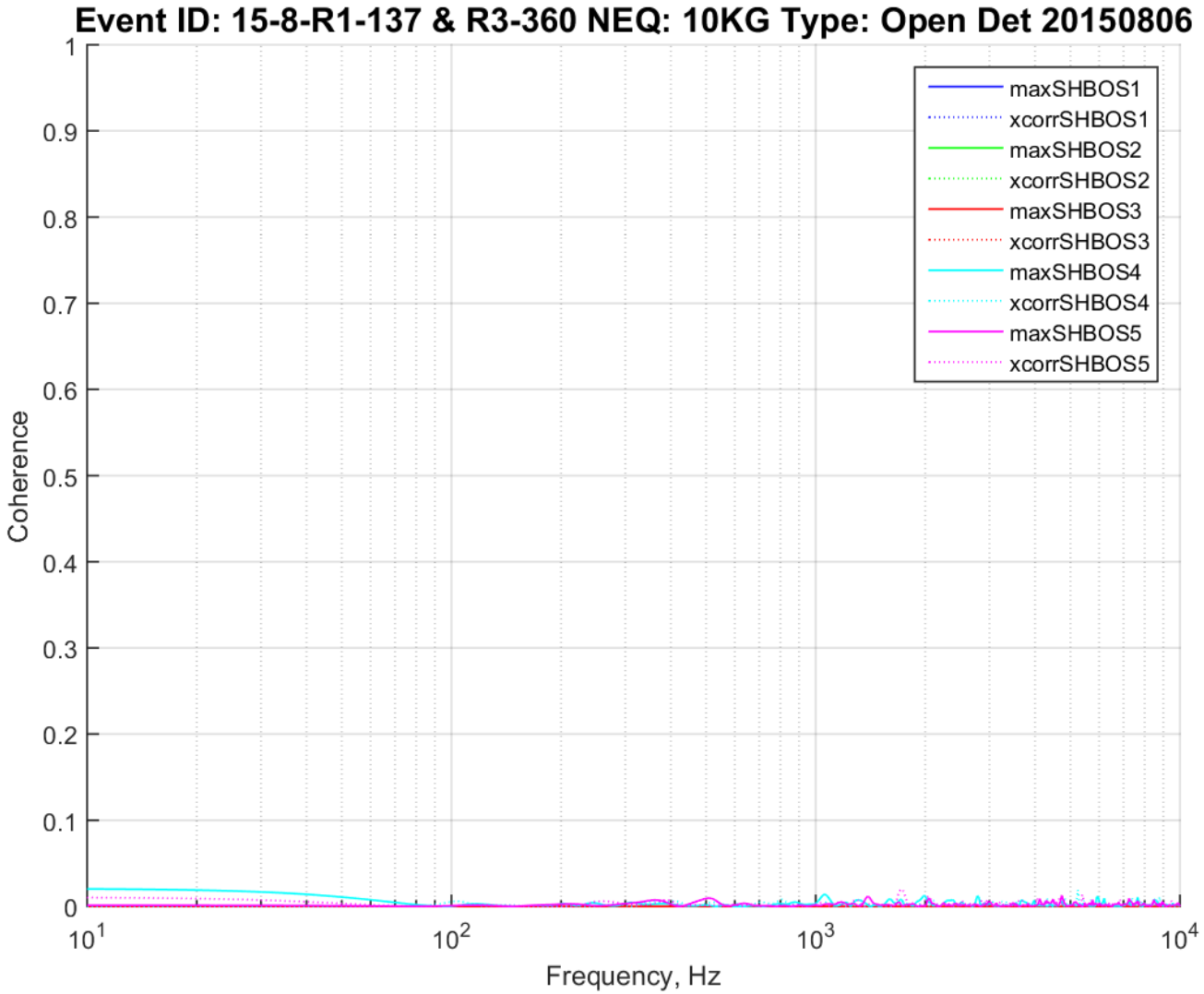


FIGURE 2.523: COHERENCE SHB_OS 1 - 5 15-8-R1-137 & R3-360

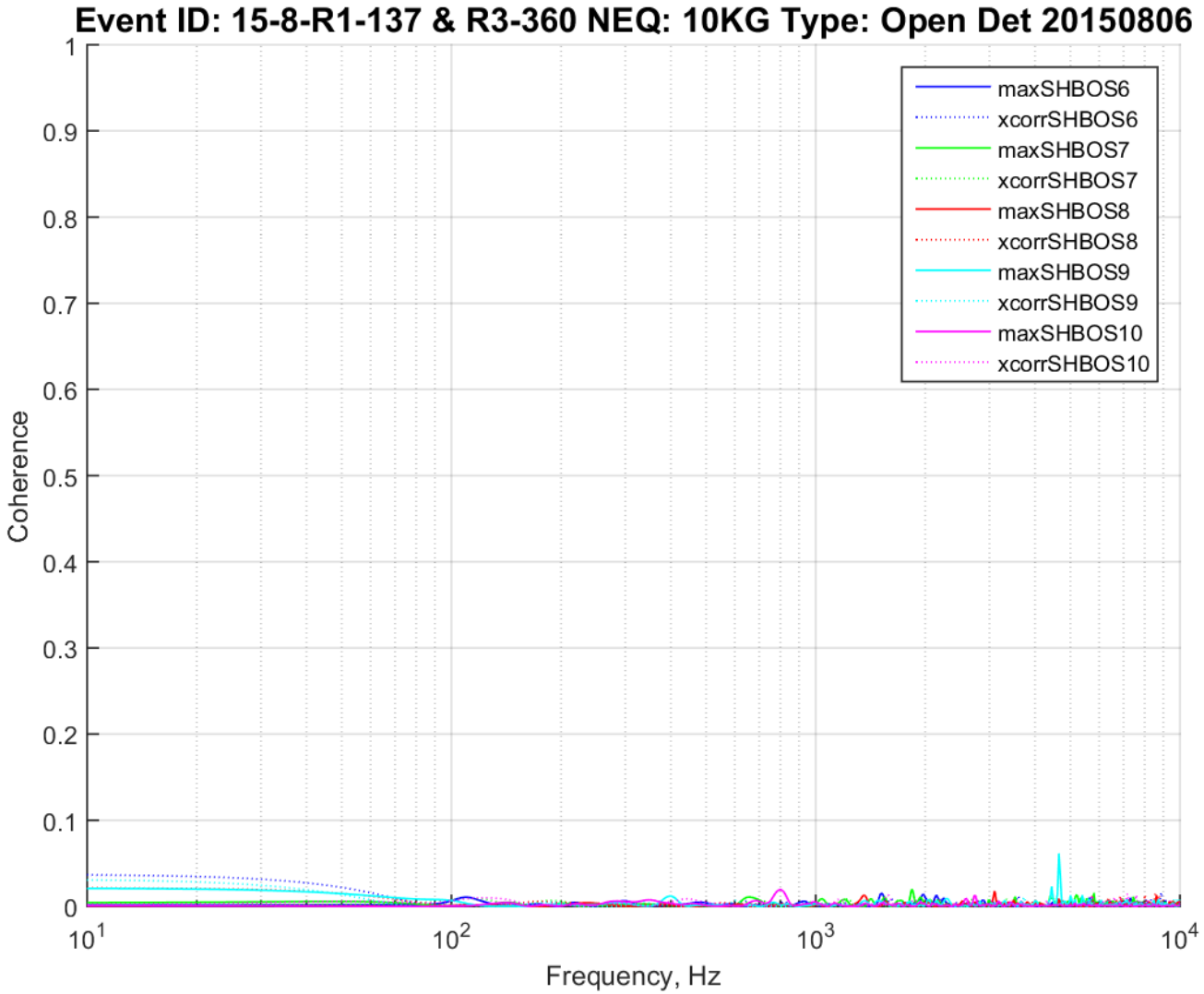


FIGURE 2.524: COHERENCE SHB_OS 6 - 10 15-8-R1-137 & R3-360CTD

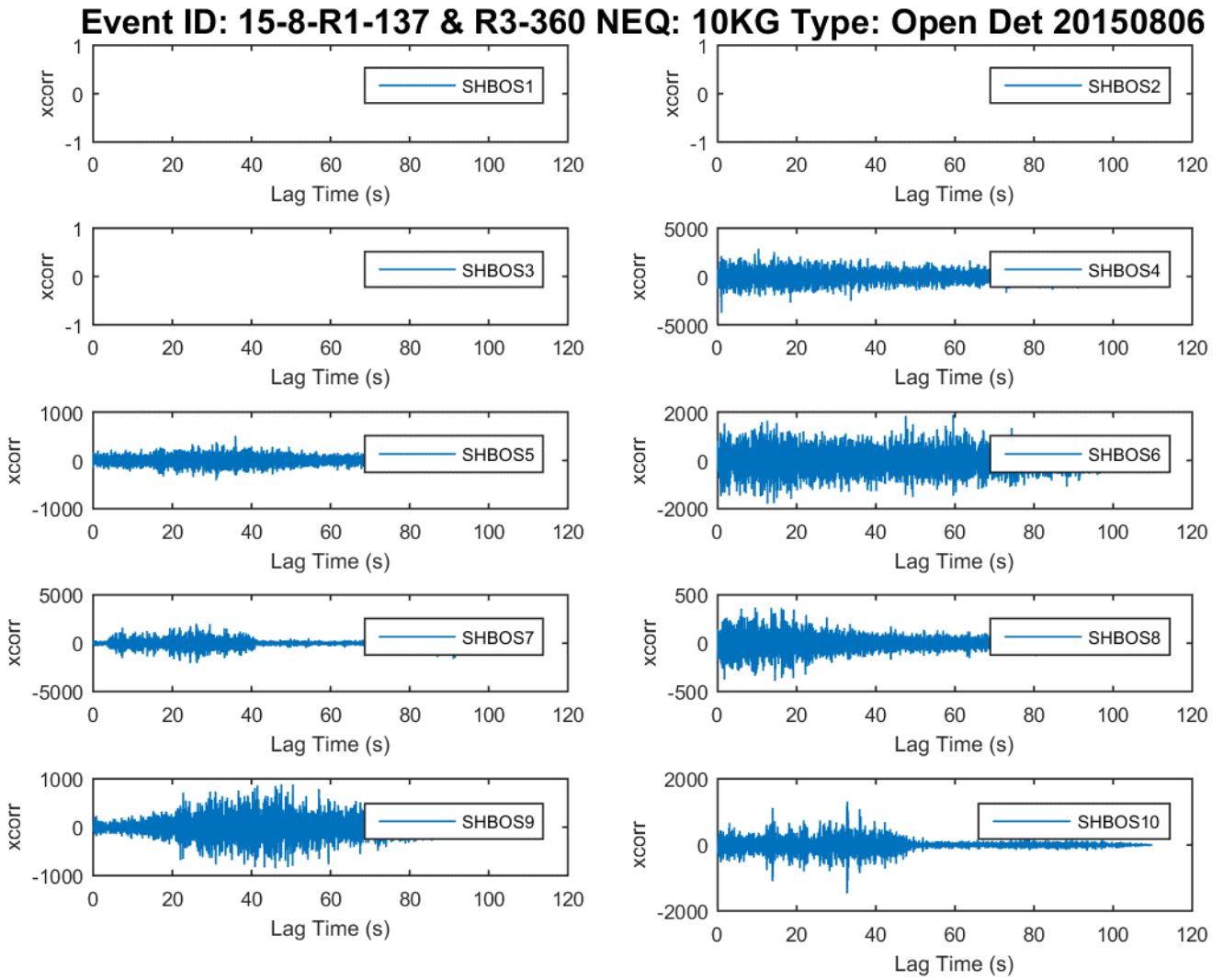
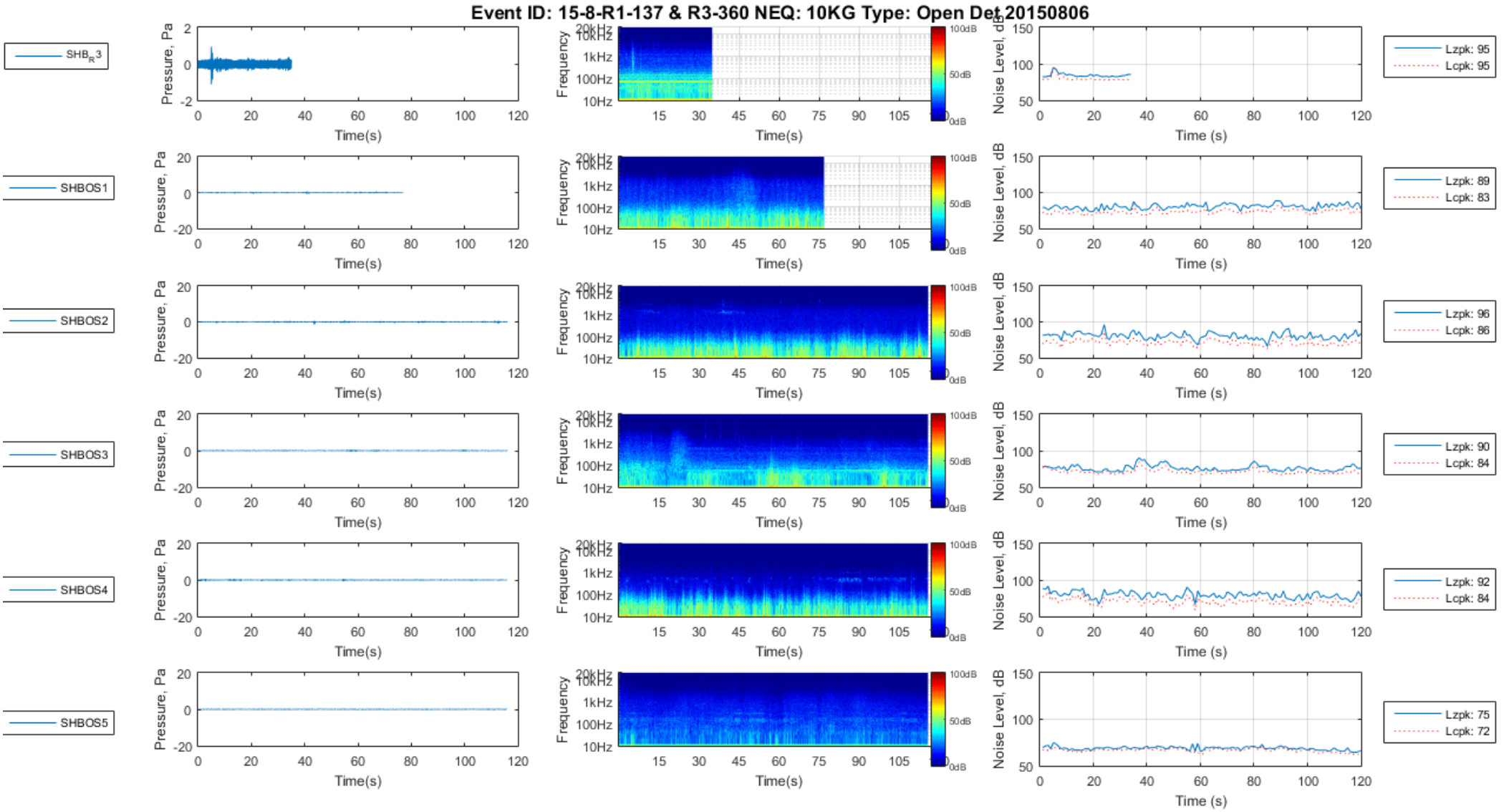
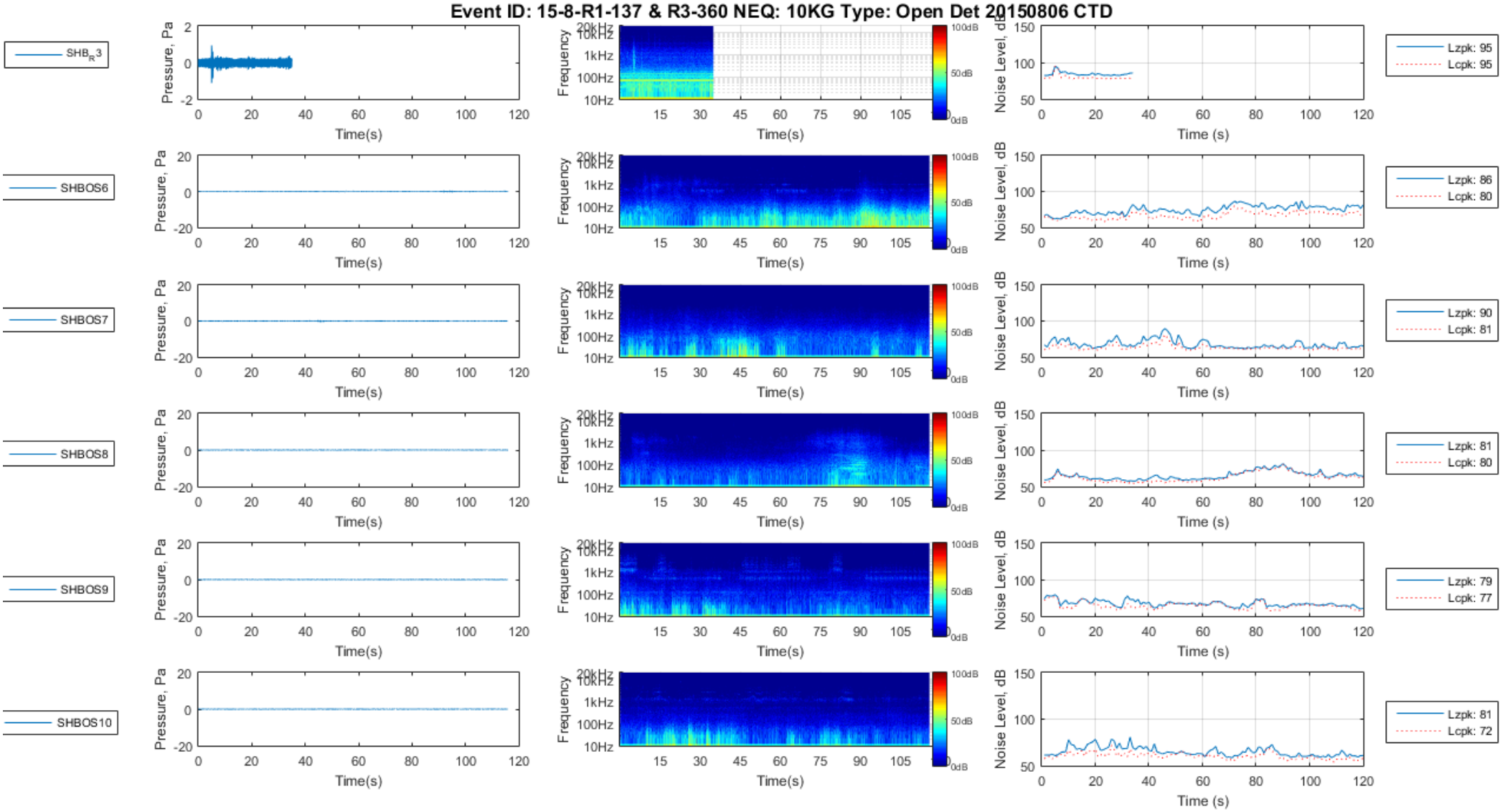


FIGURE 2.525: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-137 & R3-360


Event ID: 15-8-R1-137 & R3-360 NEQ: 10KG Type: Open Det 20150806
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 95
Lcpk: 95
Lzpk: 89
Lcpk: 83
Lzpk: 96
Lcpk: 86
Lzpk: 90
Lcpk: 84
Lzpk: 92
Lcpk: 84
Lzpk: 75
Lcpk: 72


Event ID: 15-8-R1-137 & R3-360 NEQ: 10KG Type: Open Det 20150806 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 95
Lcpk: 95
Lzpk: 86
Lcpk: 80
Lzpk: 90
Lcpk: 81
Lzpk: 81
Lcpk: 80
Lzpk: 79
Lcpk: 77
Lzpk: 81
Lcpk: 72

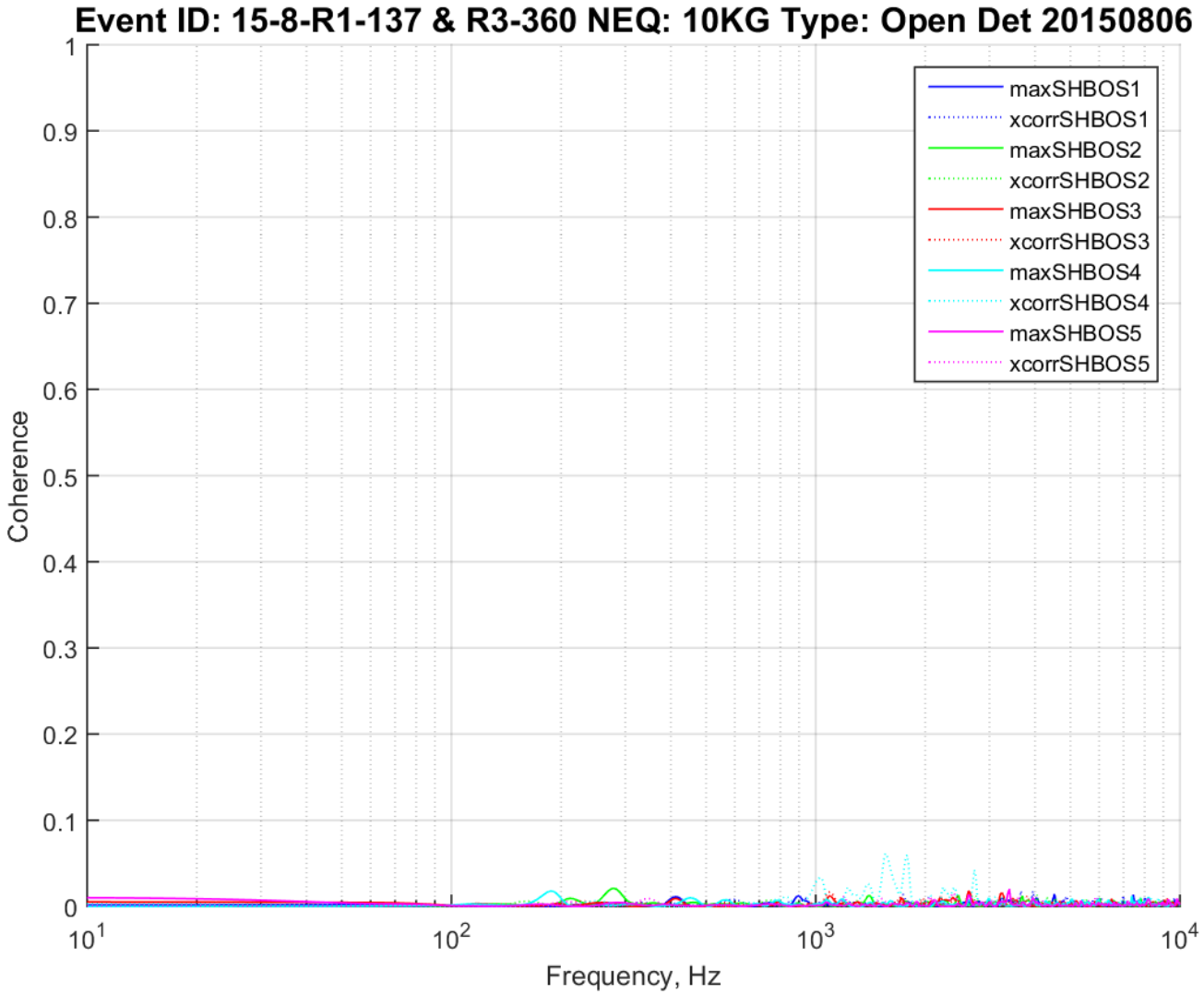


FIGURE 2.528: COHERENCE SHB_OS 1 - 5 15-8-R1-137 & R3-360

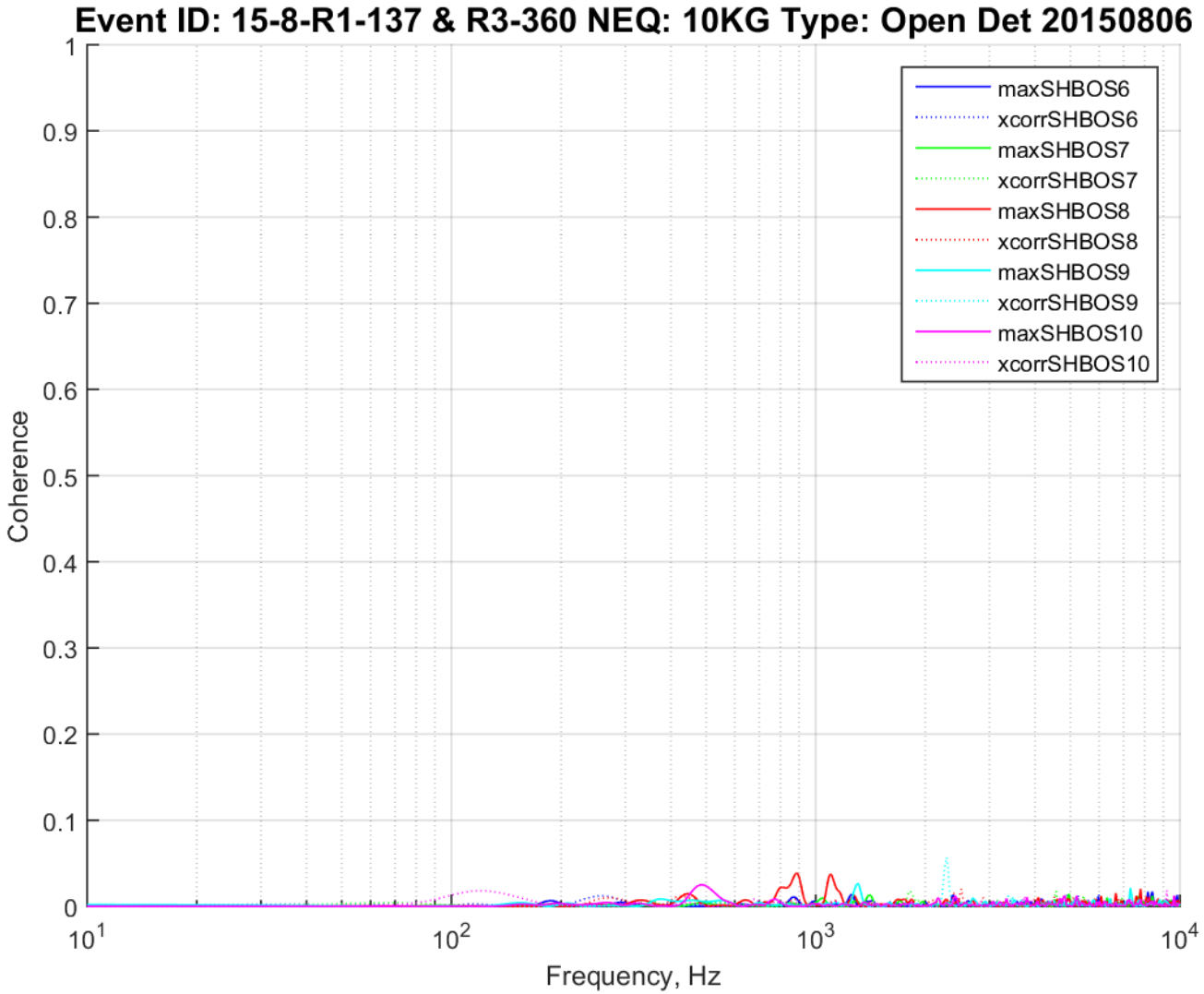


FIGURE 2.529: COHERENCE SHB_OS 6 - 10 15-8-R1-137 & R3-360CTD

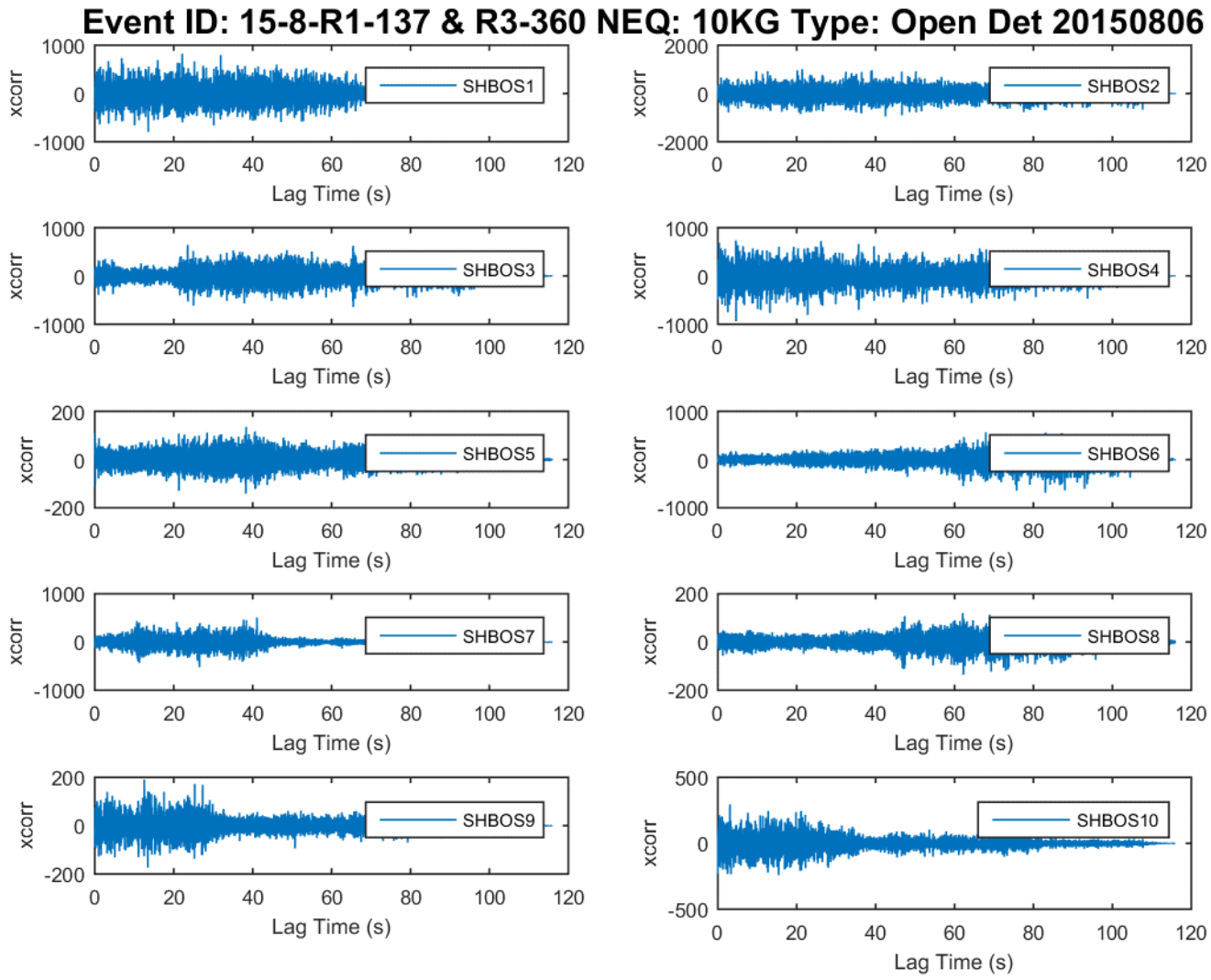


FIGURE 2.530: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-137 & R3-360

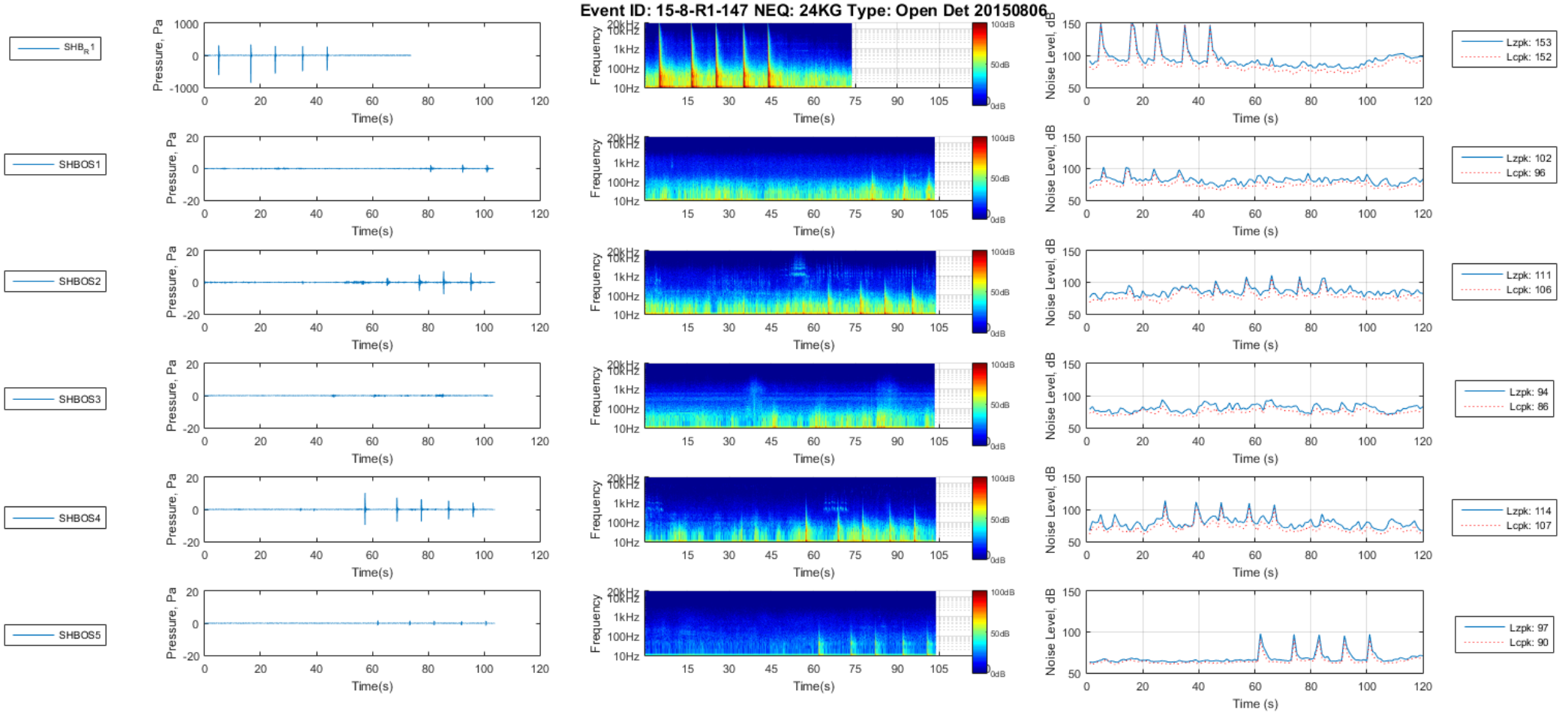


FIGURE 2.531: SHB_OS 1 - 5 15-8-R1-147

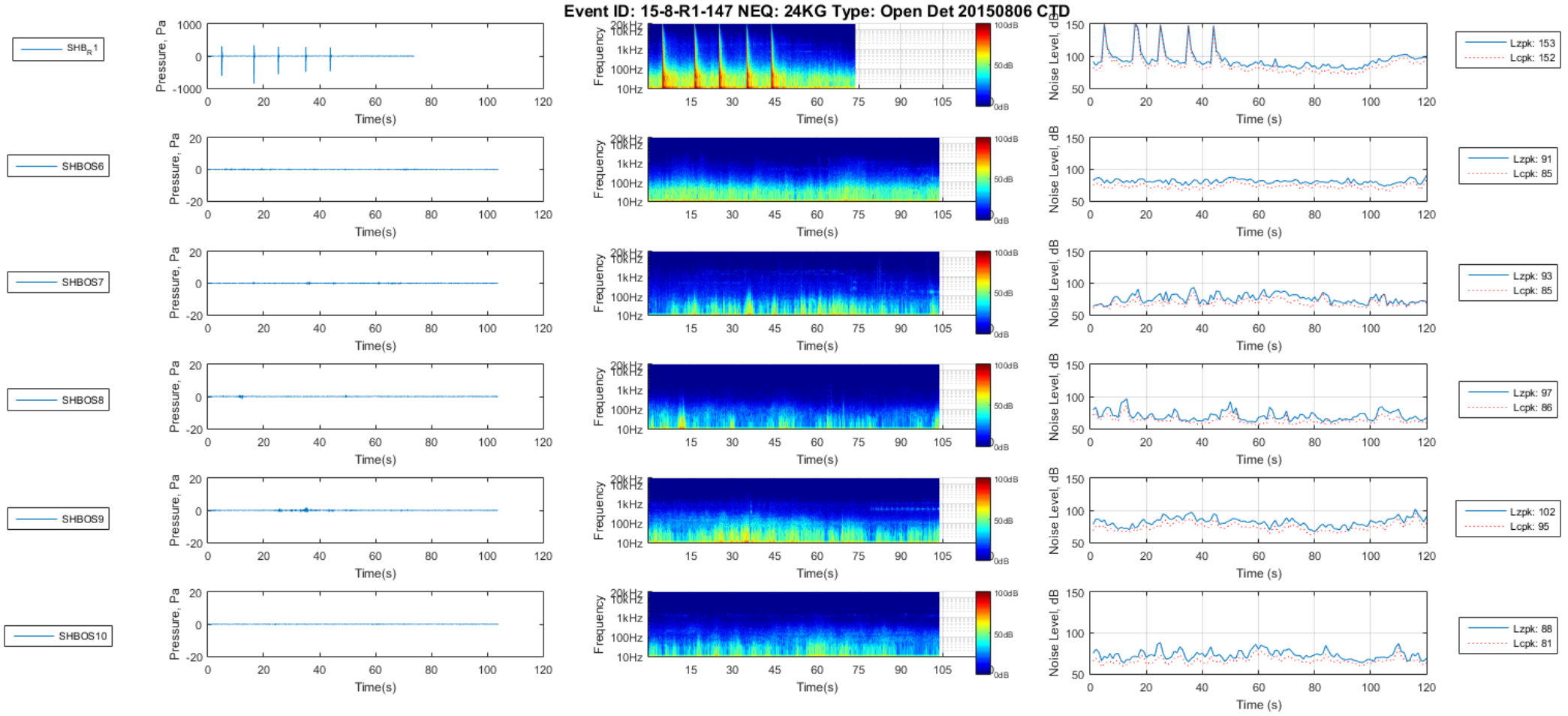


FIGURE 2.532: SHB_OS 6 - 10 15-8-R1-147

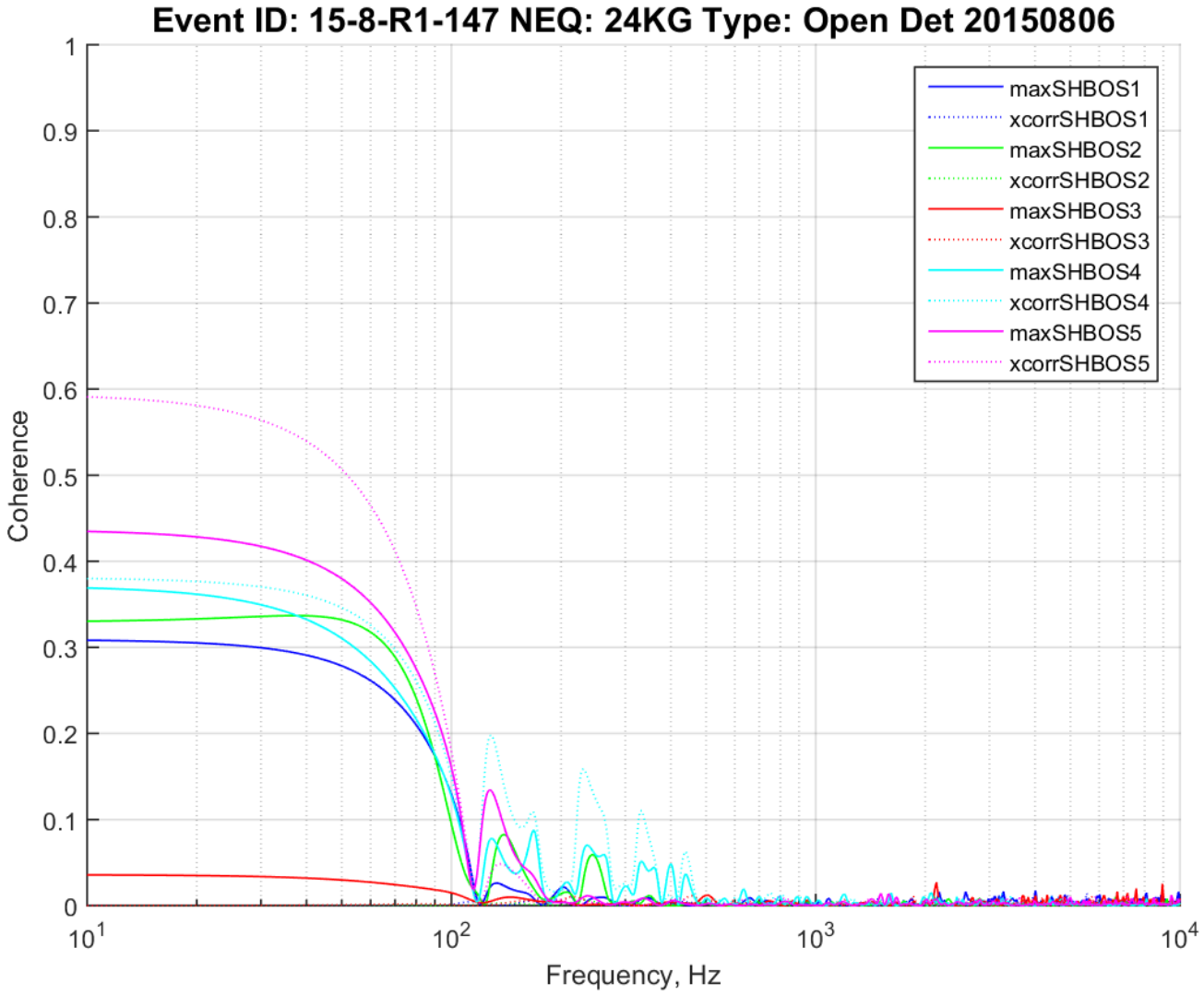


FIGURE 2.533: COHERENCE SHB_OS 1 - 5 15-8-R1-147

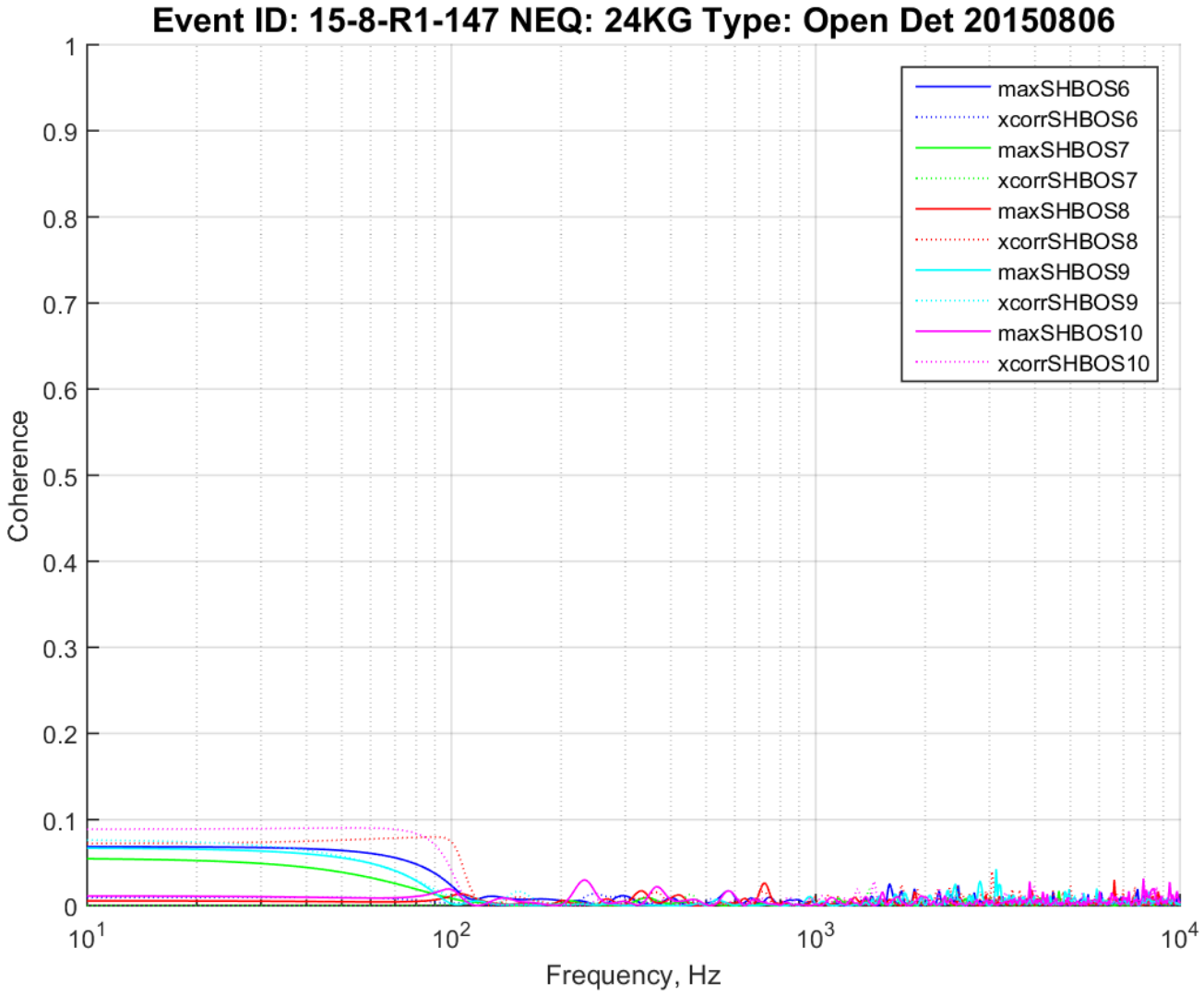


FIGURE 2.534: COHERENCE SHB_OS 6 - 10 15-8-R1-147CTD

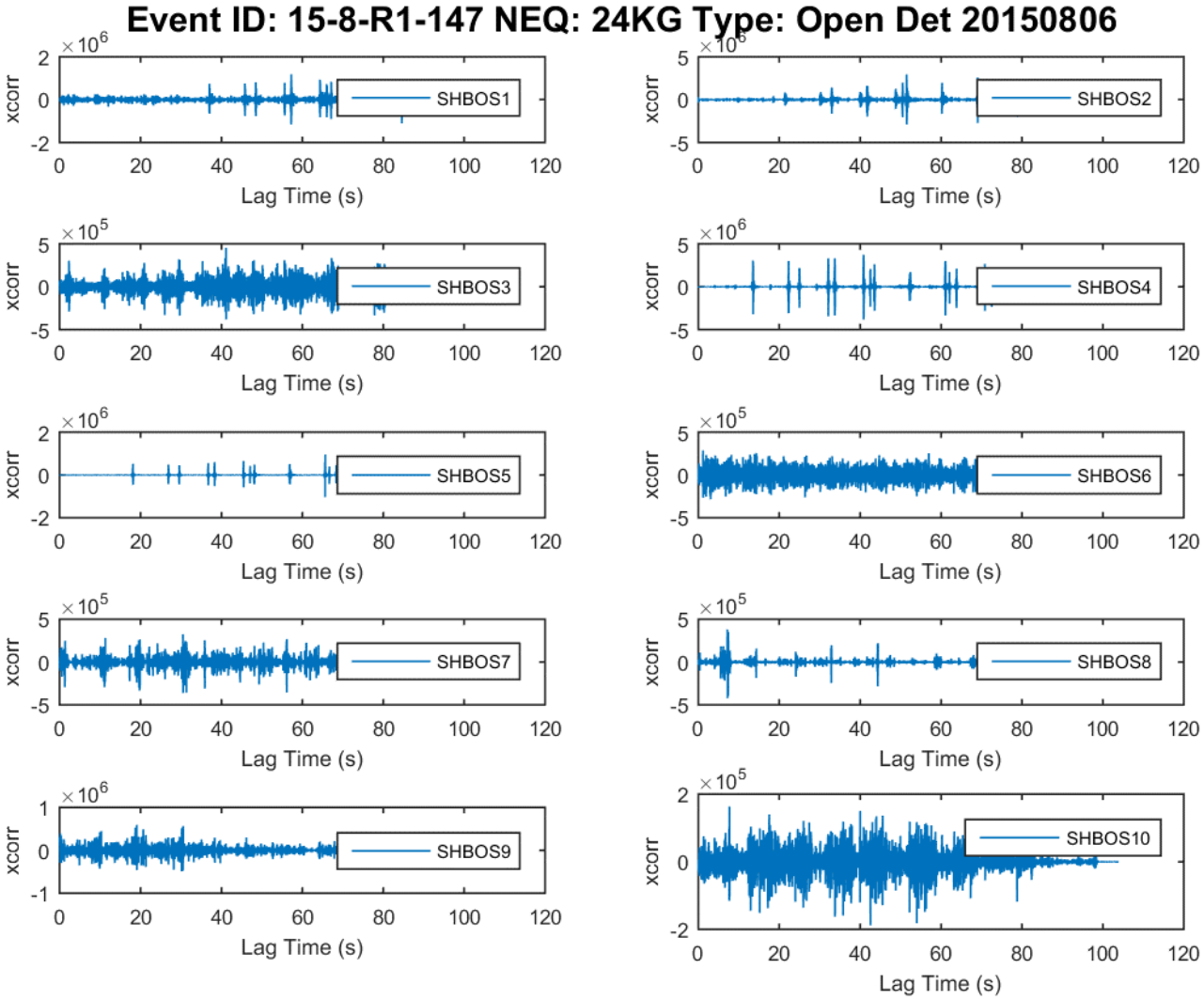


FIGURE 2.535: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-147

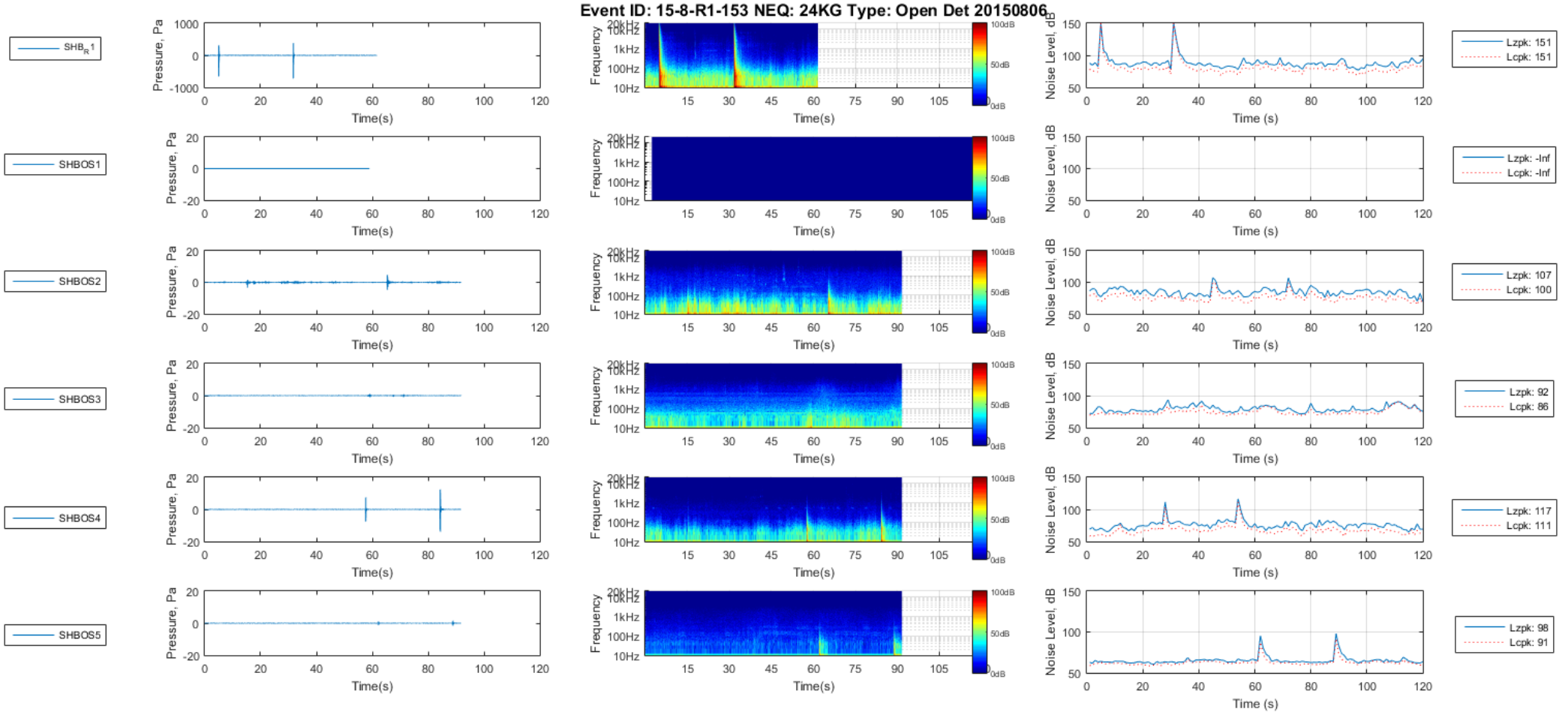


FIGURE 2.536: SHB_OS 1 - 5 15-8-R1-153

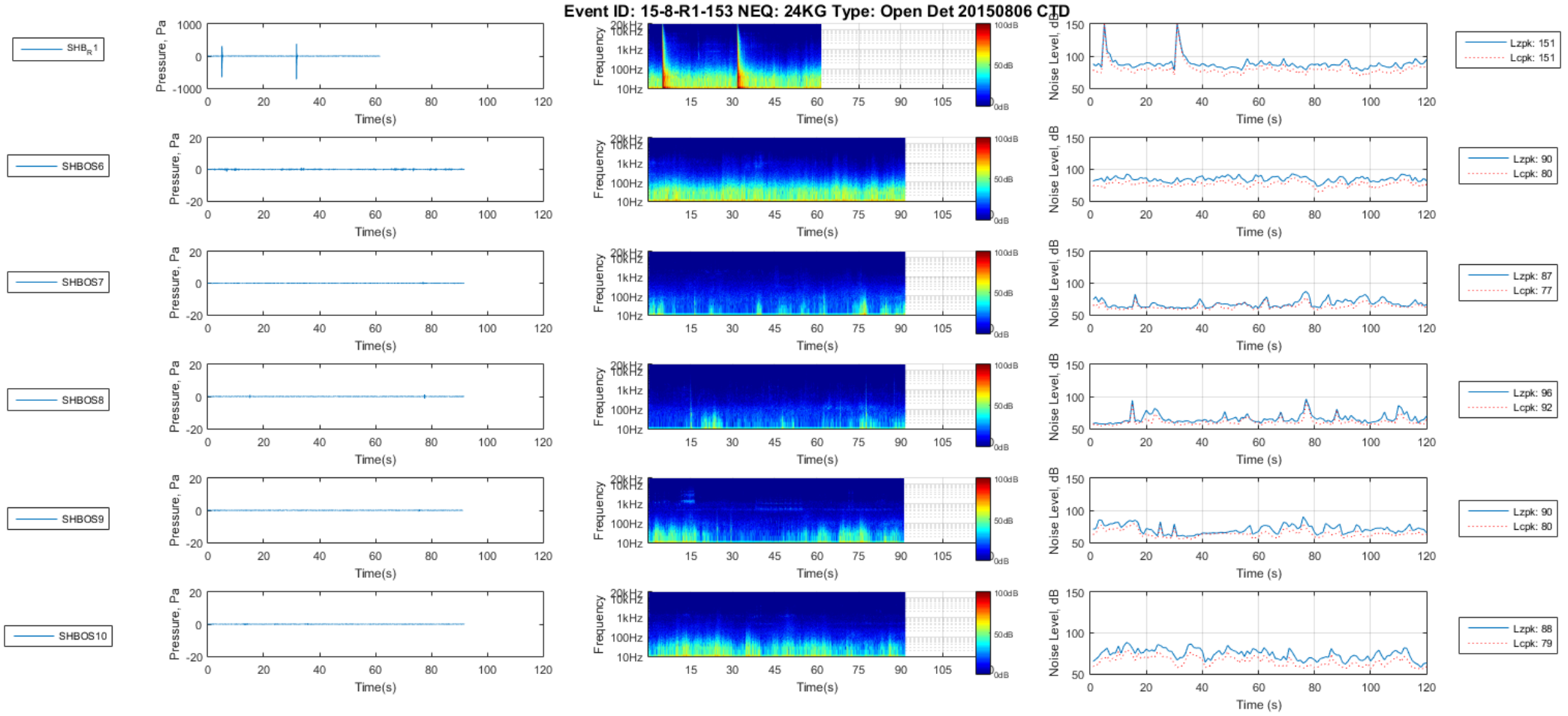


FIGURE 2.537: SHB_OS 6 - 10 15-8-R1-153

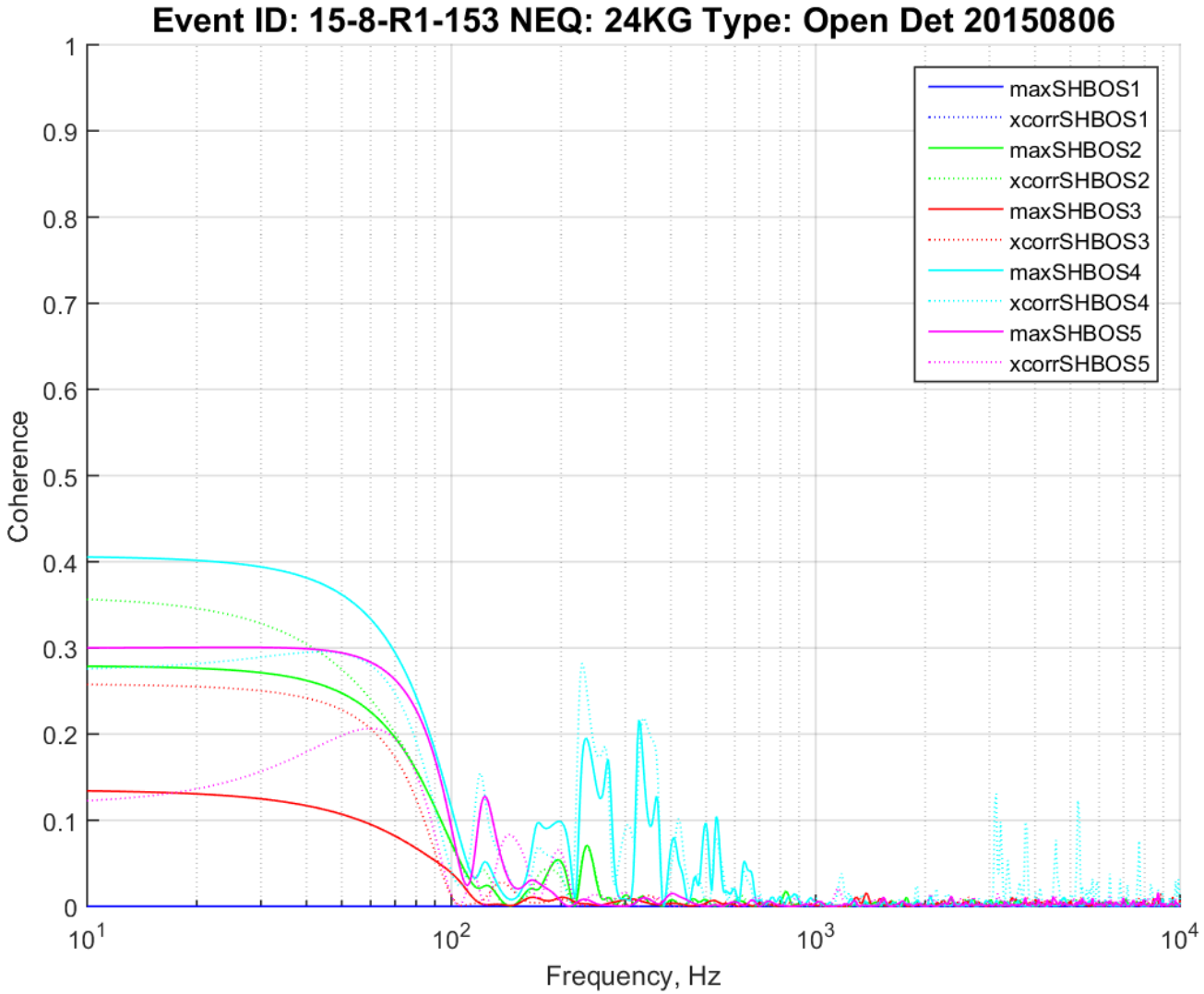


FIGURE 2.538: COHERENCE SHB_OS 1 - 5 15-8-R1-153

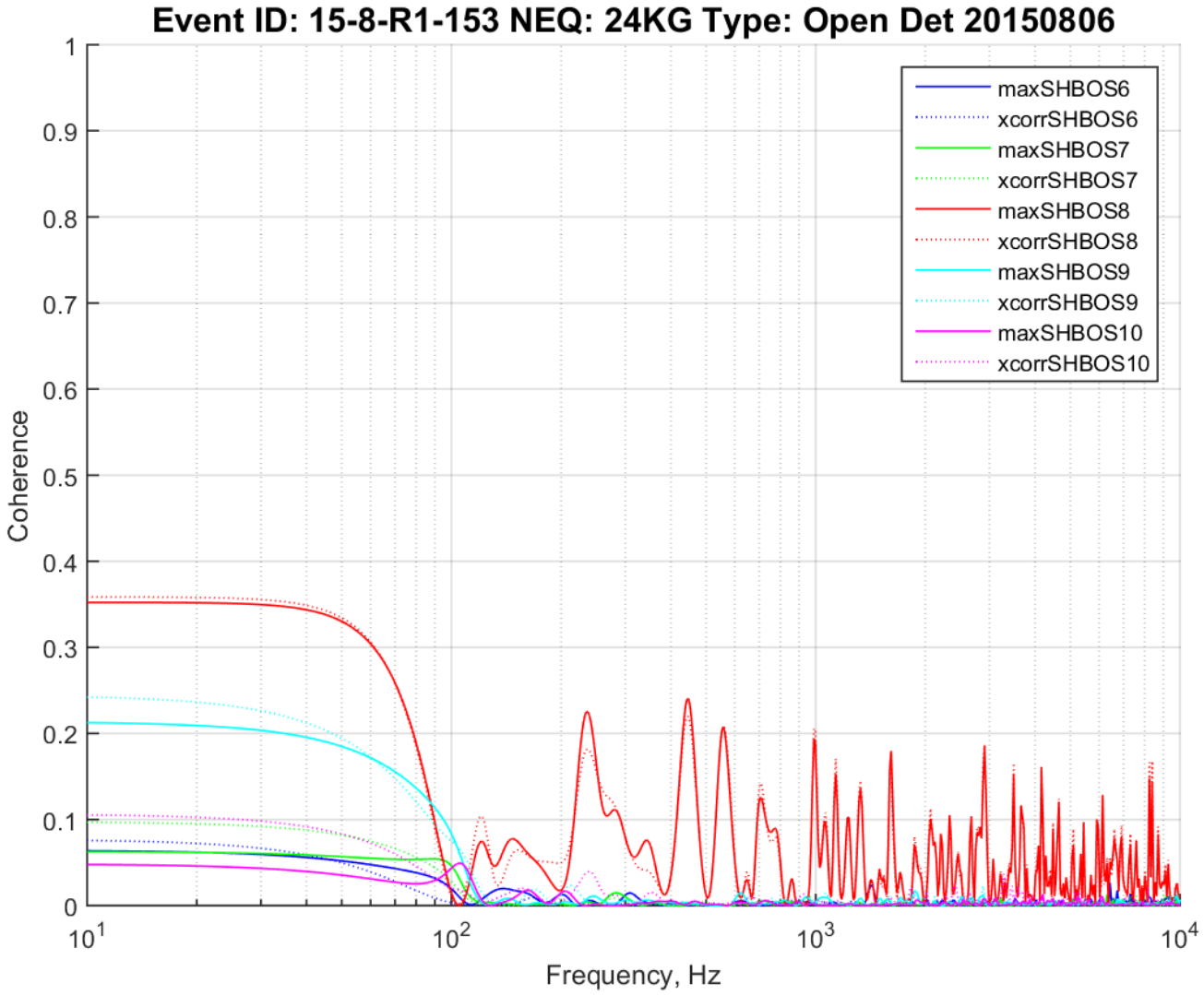


FIGURE 2.539: COHERENCE SHB_OS 6 - 10 15-8-R1-153CTD

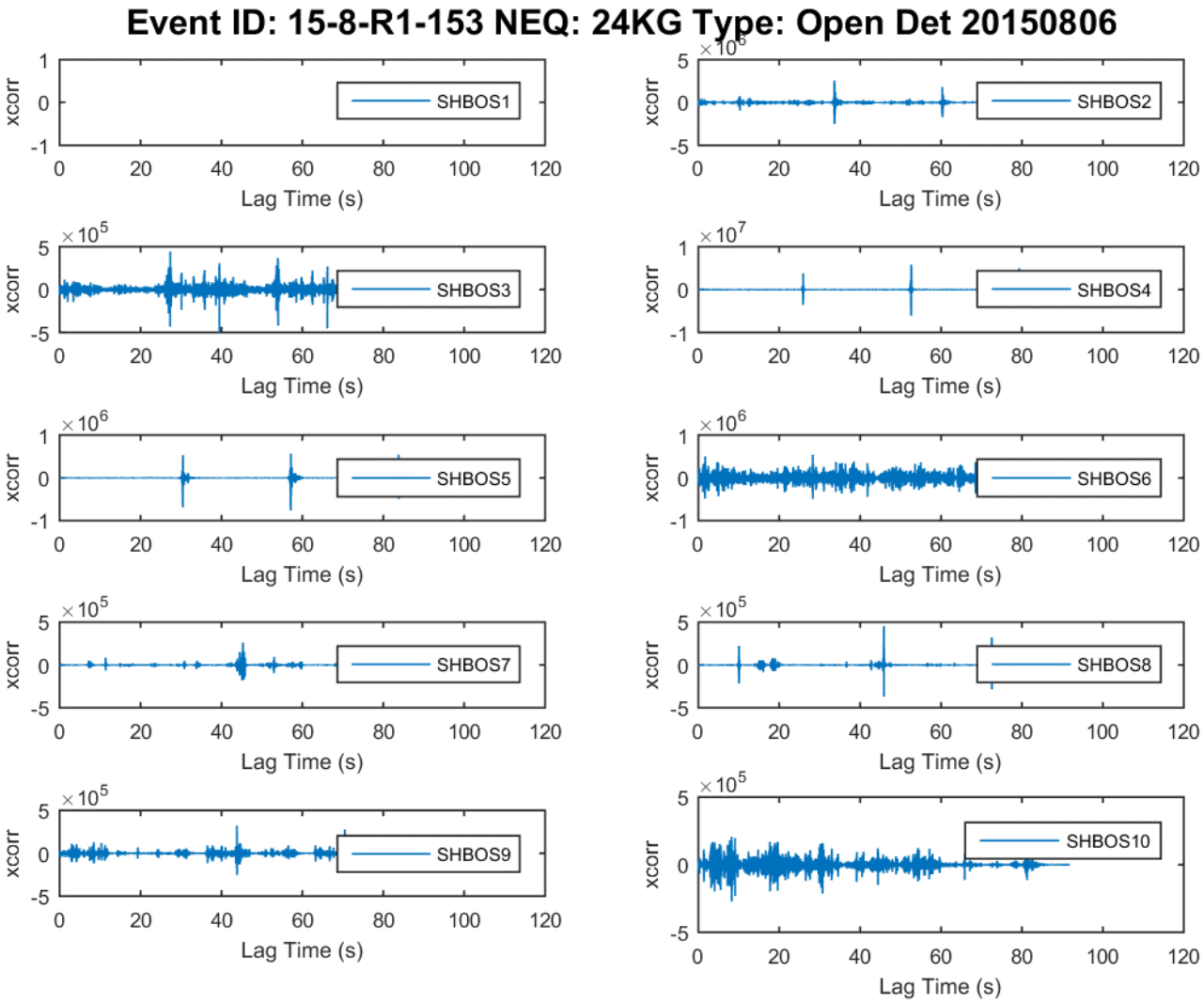


FIGURE 2.540: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-153

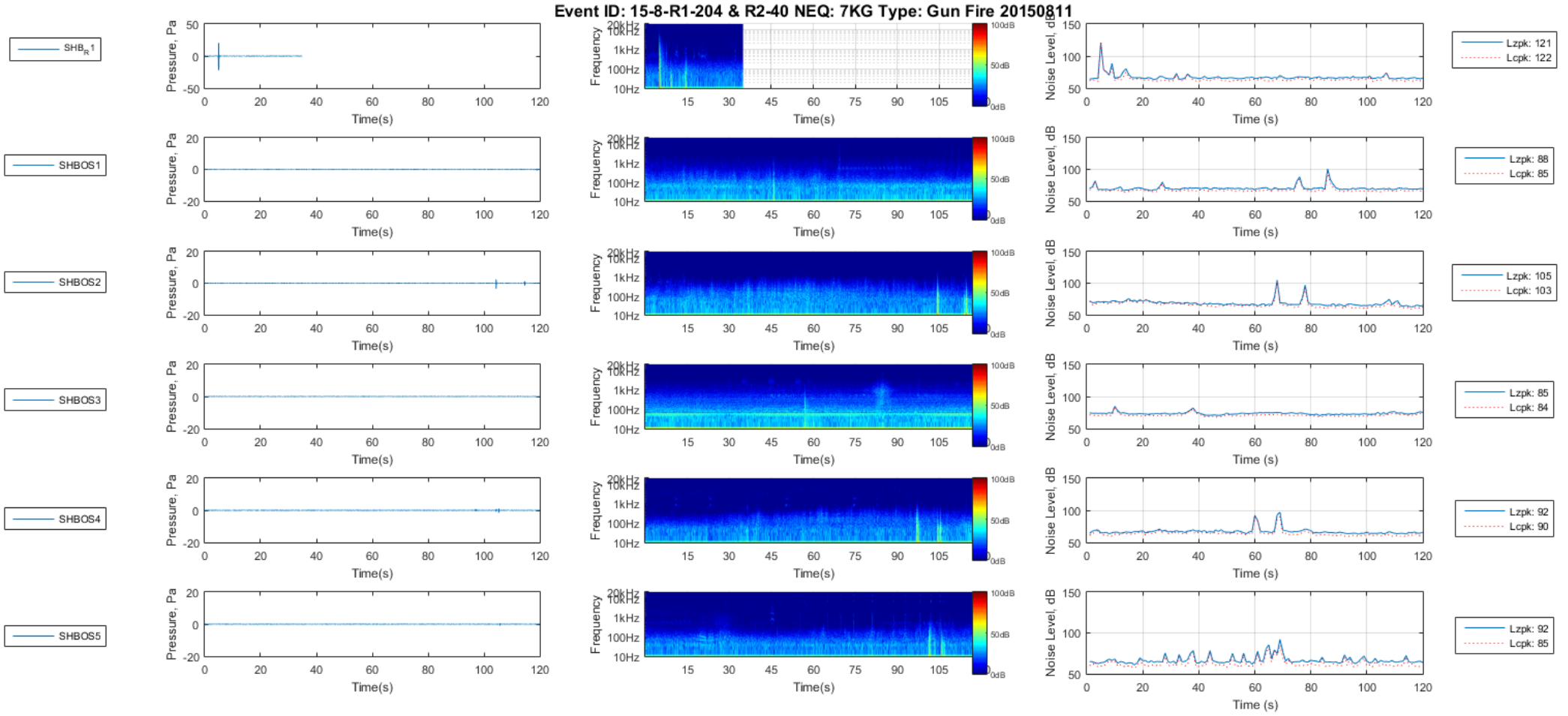


FIGURE 2.541: SHB_OS 1 - 5 15-8-R1-204 & R2-40

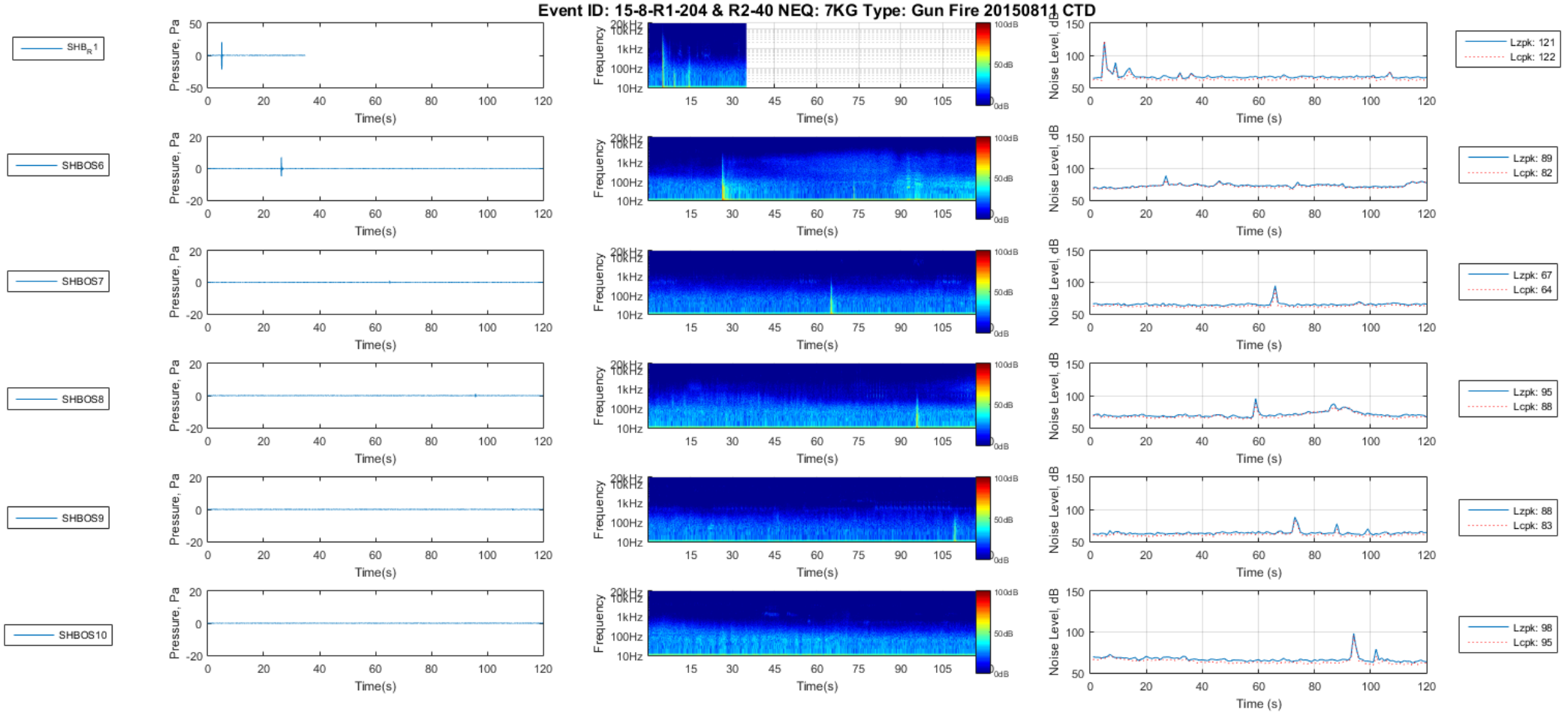


FIGURE 2.542: SHB_OS 6 - 10 15-8-R1-204 & R2-40

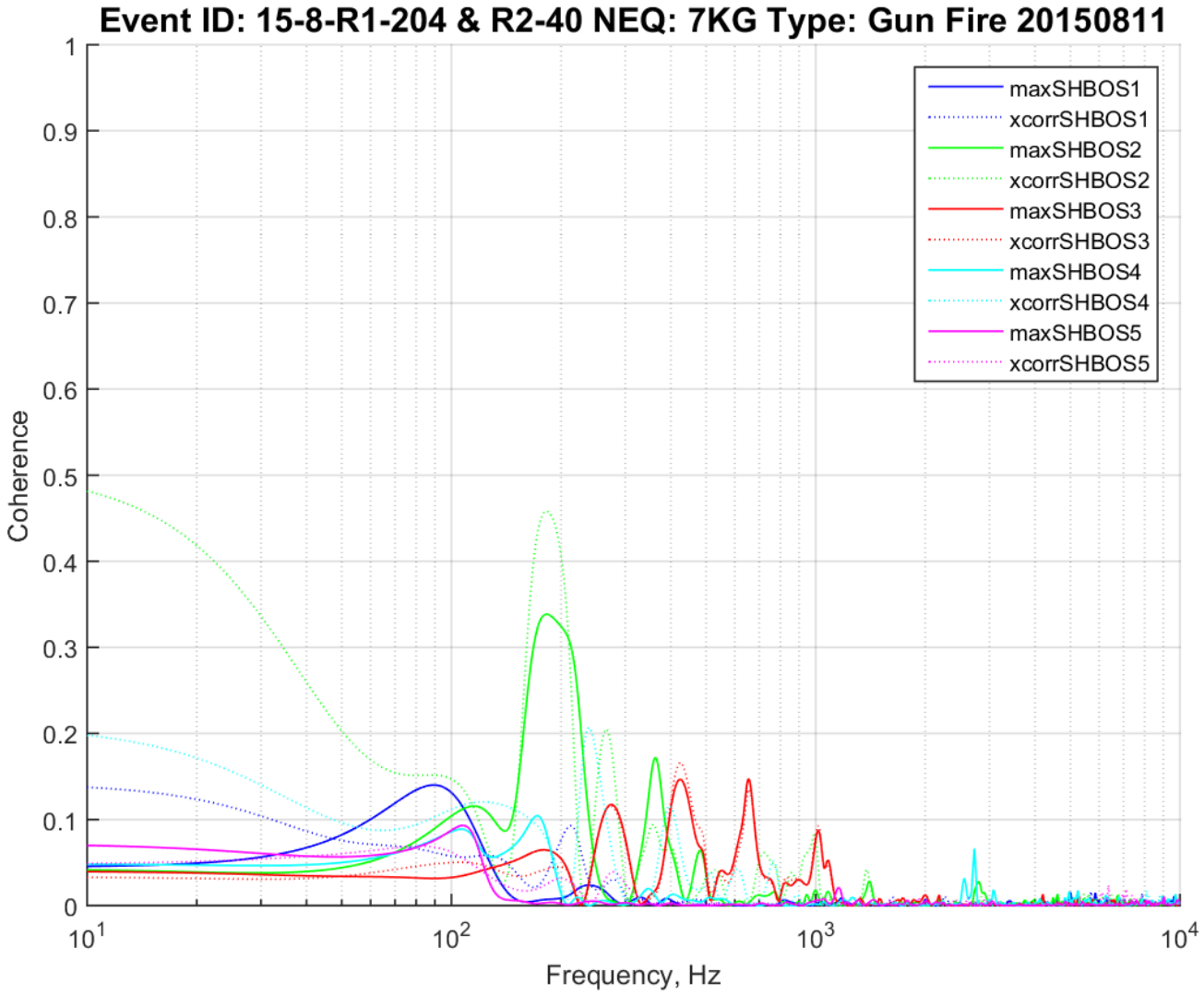


FIGURE 2.543: COHERENCE SHB_OS 1 - 5 15-8-R1-204 & R2-40

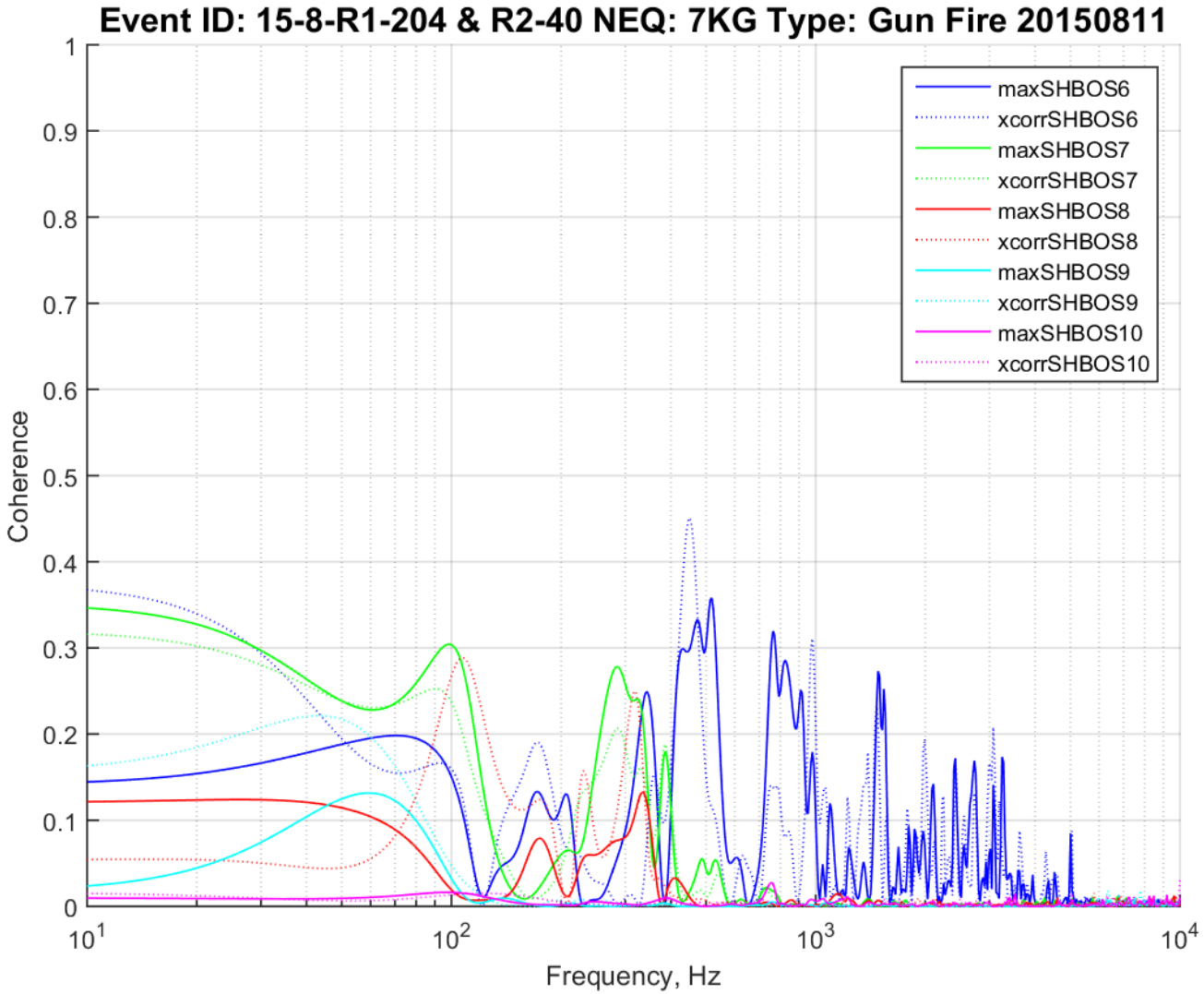


FIGURE 2.544: COHERENCE SHB_OS 6 - 10 15-8-R1-204 & R2-40CTD

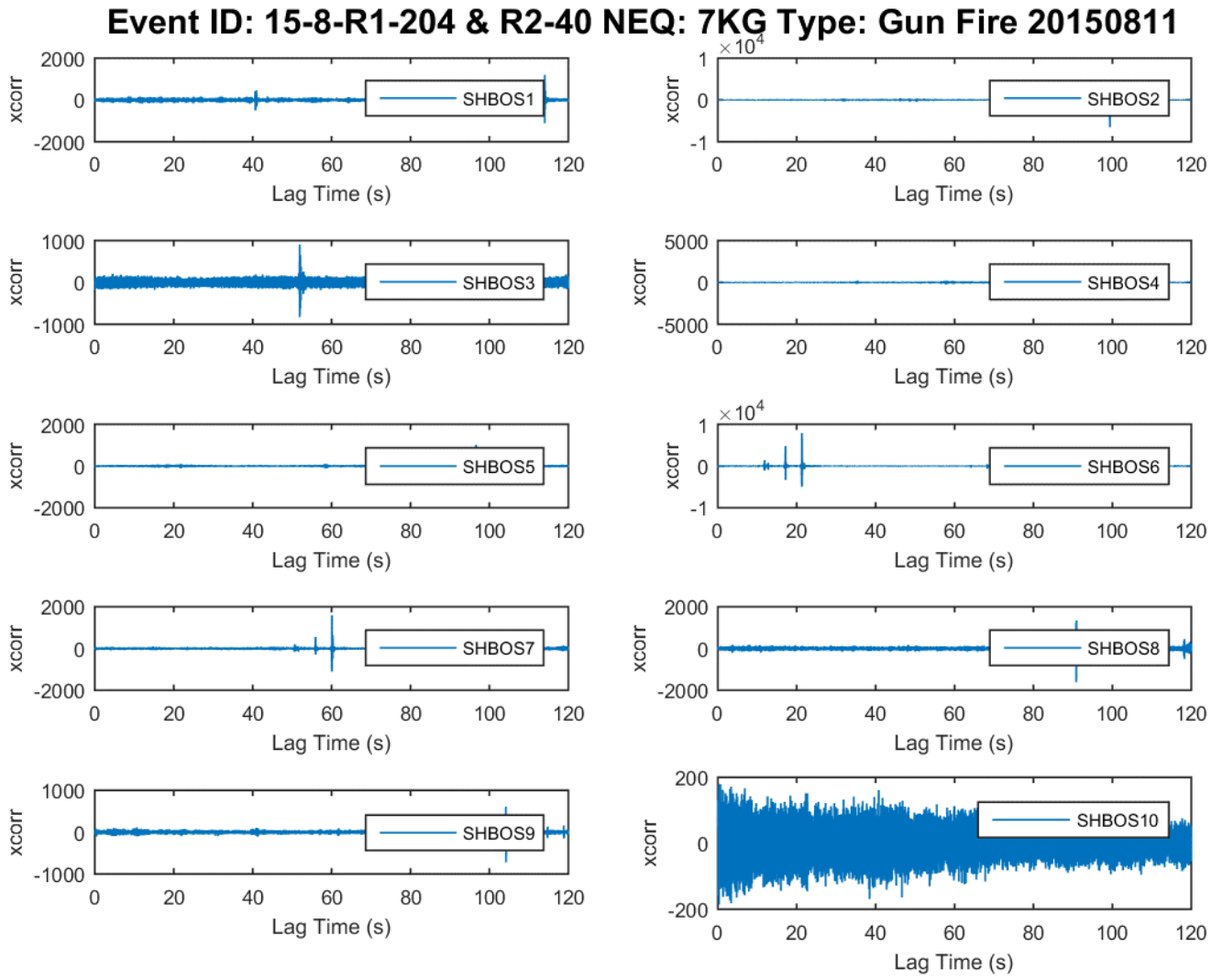
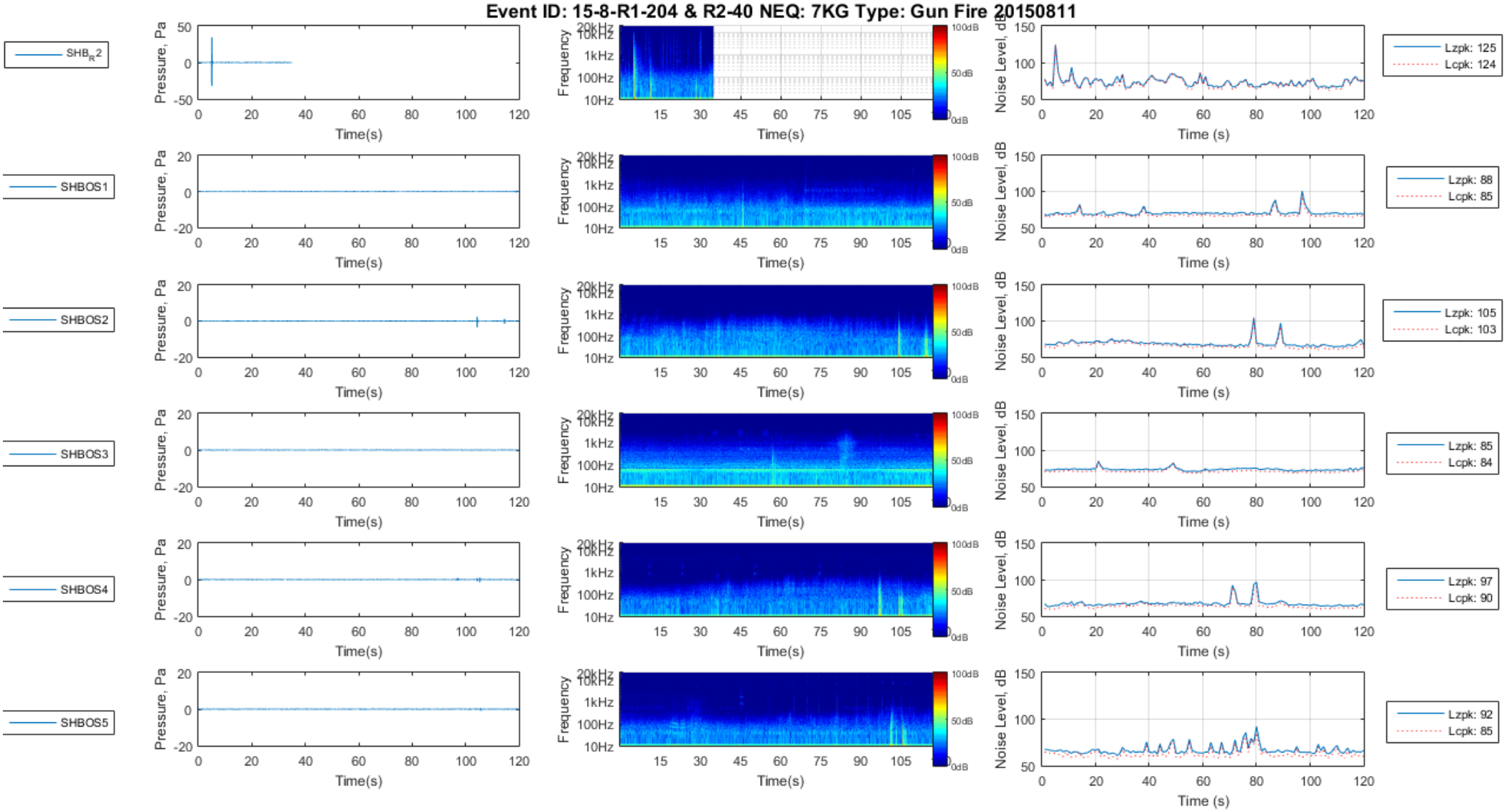
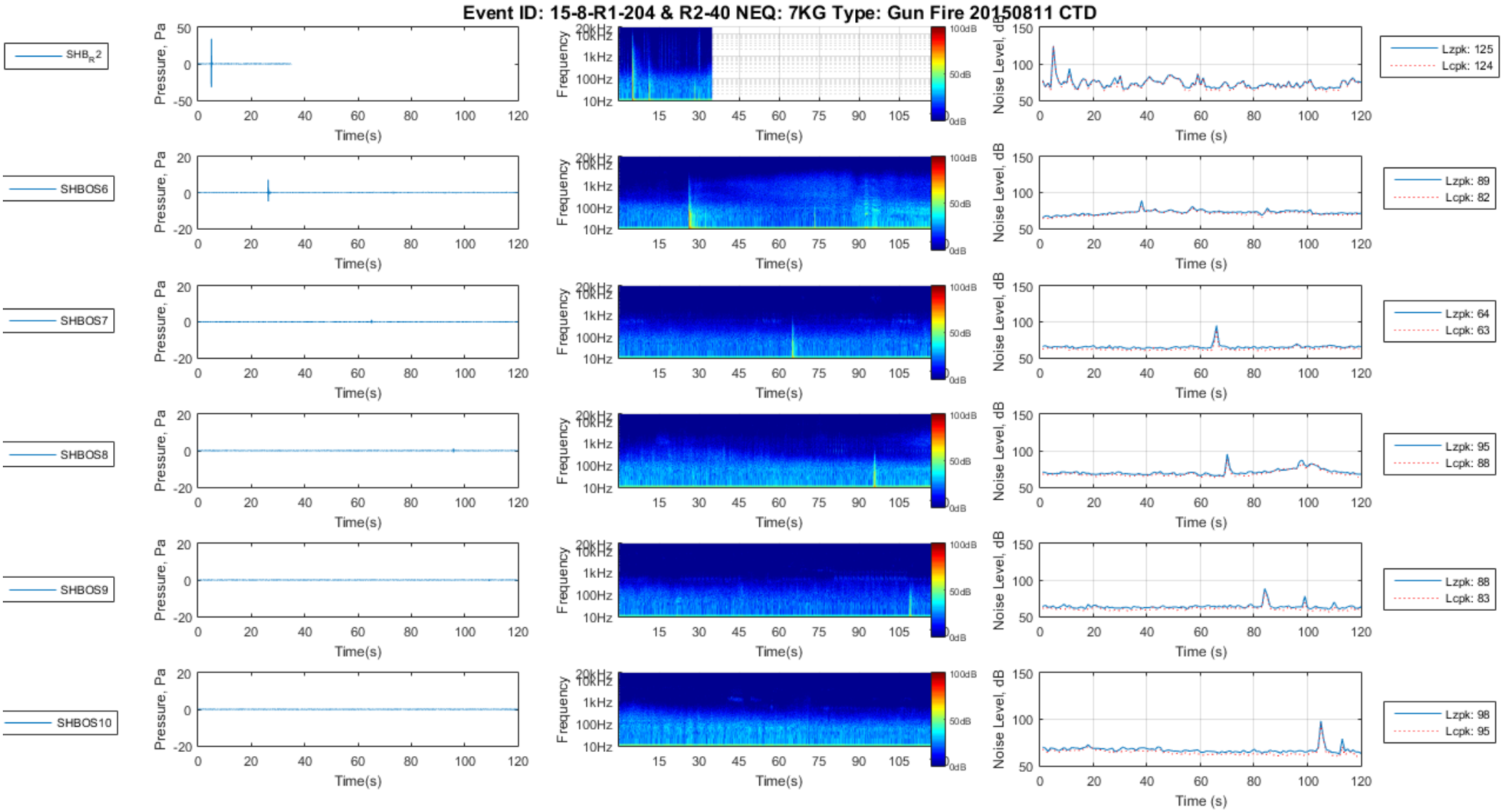


FIGURE 2.545: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-204 & R2-40


Event ID: 15-8-R1-204 & R2-40 NEQ: 7KG Type: Gun Fire 20150811
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 125
Lcpk: 124
Lzpk: 88
Lcpk: 85
Lzpk: 105
Lcpk: 103
Lzpk: 85
Lcpk: 84
Lzpk: 97
Lcpk: 90
Lzpk: 92
Lcpk: 85


Event ID: 15-8-R1-204 & R2-40 NEQ: 7KG Type: Gun Fire 20150811 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 125
Lcpk: 124
Lzpk: 89
Lcpk: 82
Lzpk: 64
Lcpk: 63
Lzpk: 95
Lcpk: 88
Lzpk: 88
Lcpk: 83
Lzpk: 98
Lcpk: 95

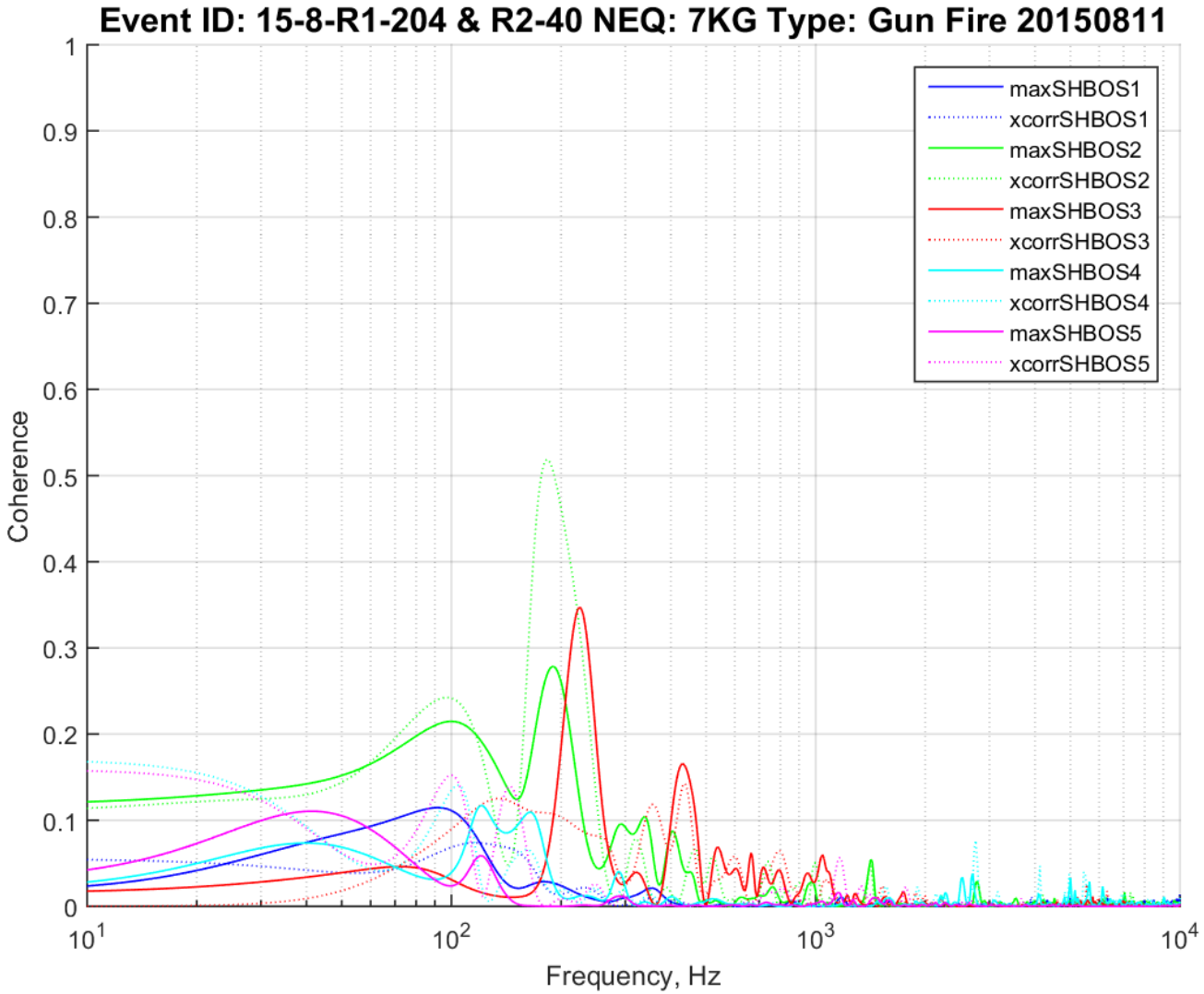


FIGURE 2.548: COHERENCE SHB_OS 1 - 5 15-8-R1-204 & R2-40

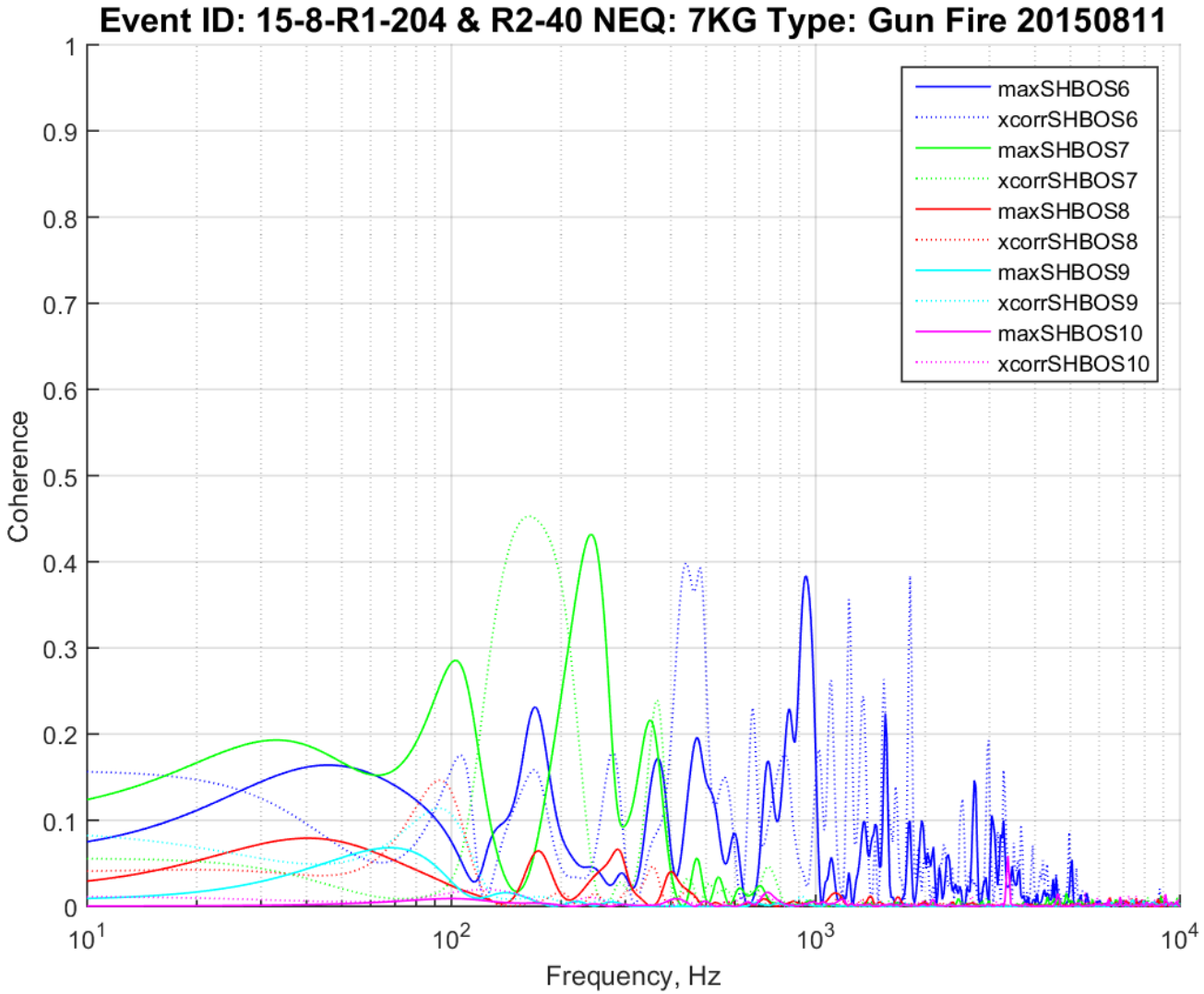


FIGURE 2.549: COHERENCE SHB_OS 6 - 10 15-8-R1-204 & R2-40CTD

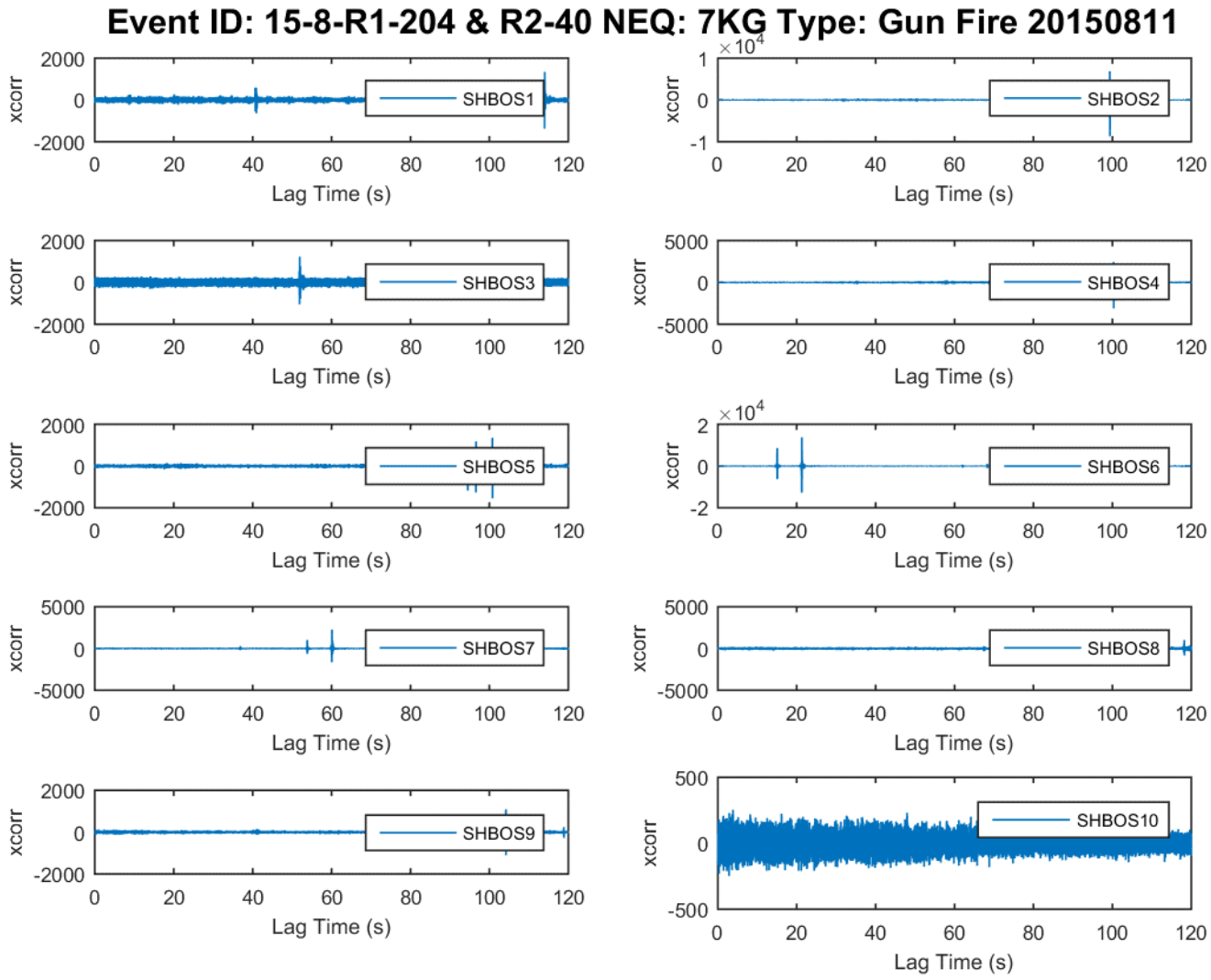
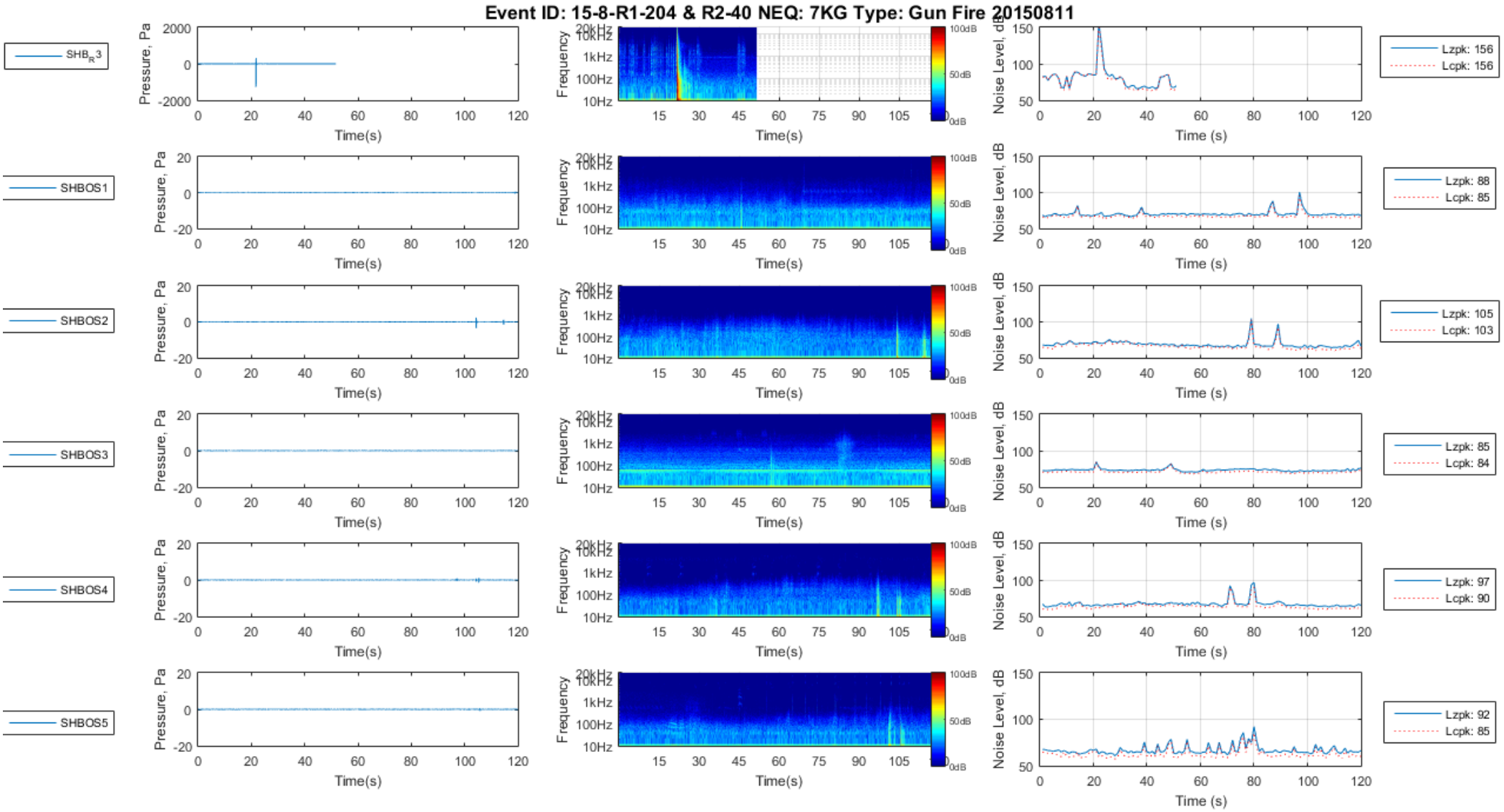
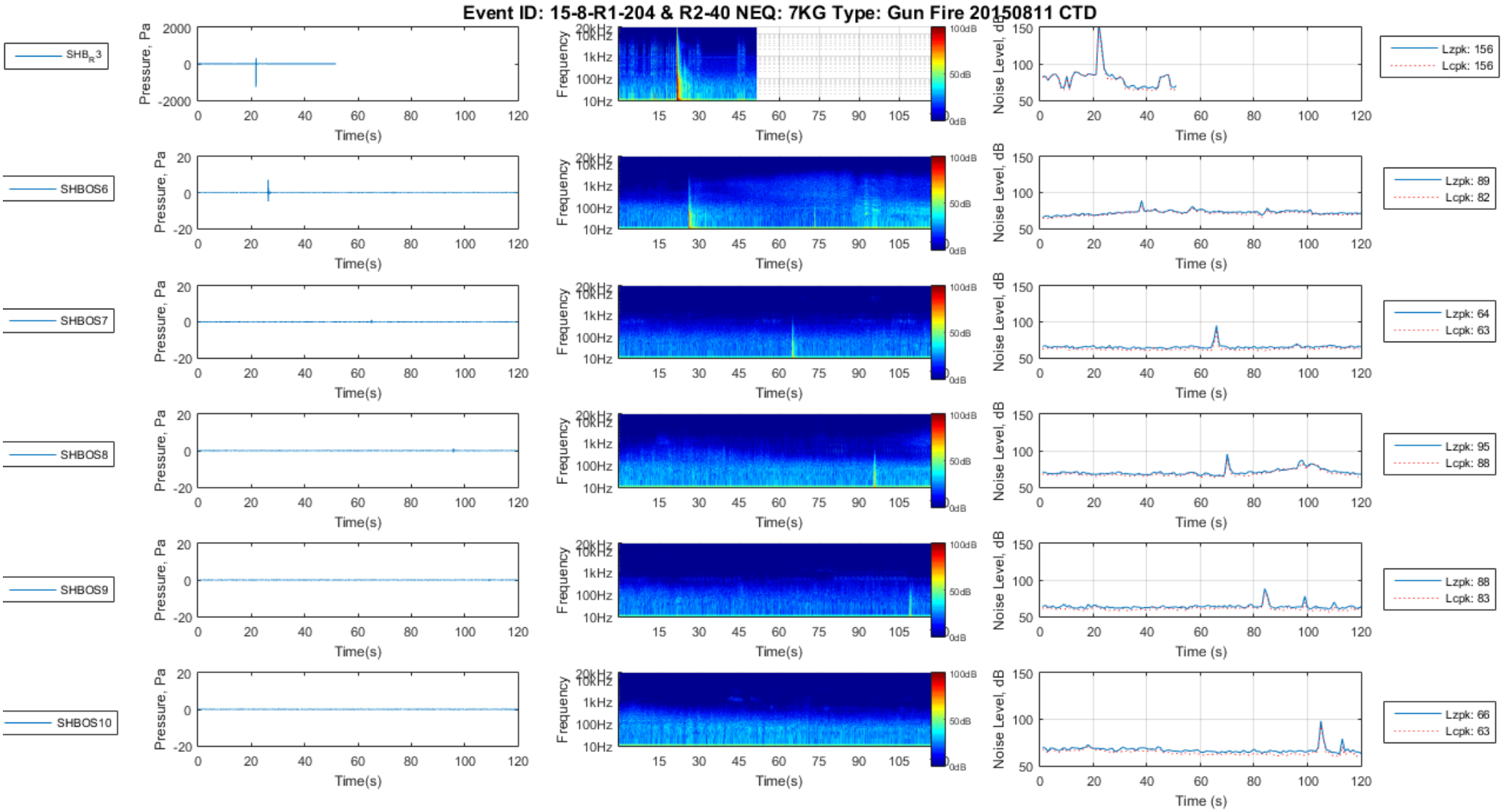


FIGURE 2.550: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-204 & R2-40


Event ID: 15-8-R1-204 & R2-40 NEQ: 7KG Type: Gun Fire 20150811
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 156
Lcpk: 156
Lzpk: 88
Lcpk: 85
Lzpk: 105
Lcpk: 103
Lzpk: 85
Lcpk: 84
Lzpk: 97
Lcpk: 90
Lzpk: 92
Lcpk: 85


Event ID: 15-8-R1-204 & R2-40 NEQ: 7KG Type: Gun Fire 20150811 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 156
Lcpk: 156
Lzpk: 89
Lcpk: 82
Lzpk: 64
Lcpk: 63
Lzpk: 95
Lcpk: 88
Lzpk: 88
Lcpk: 83
Lzpk: 66
Lcpk: 63

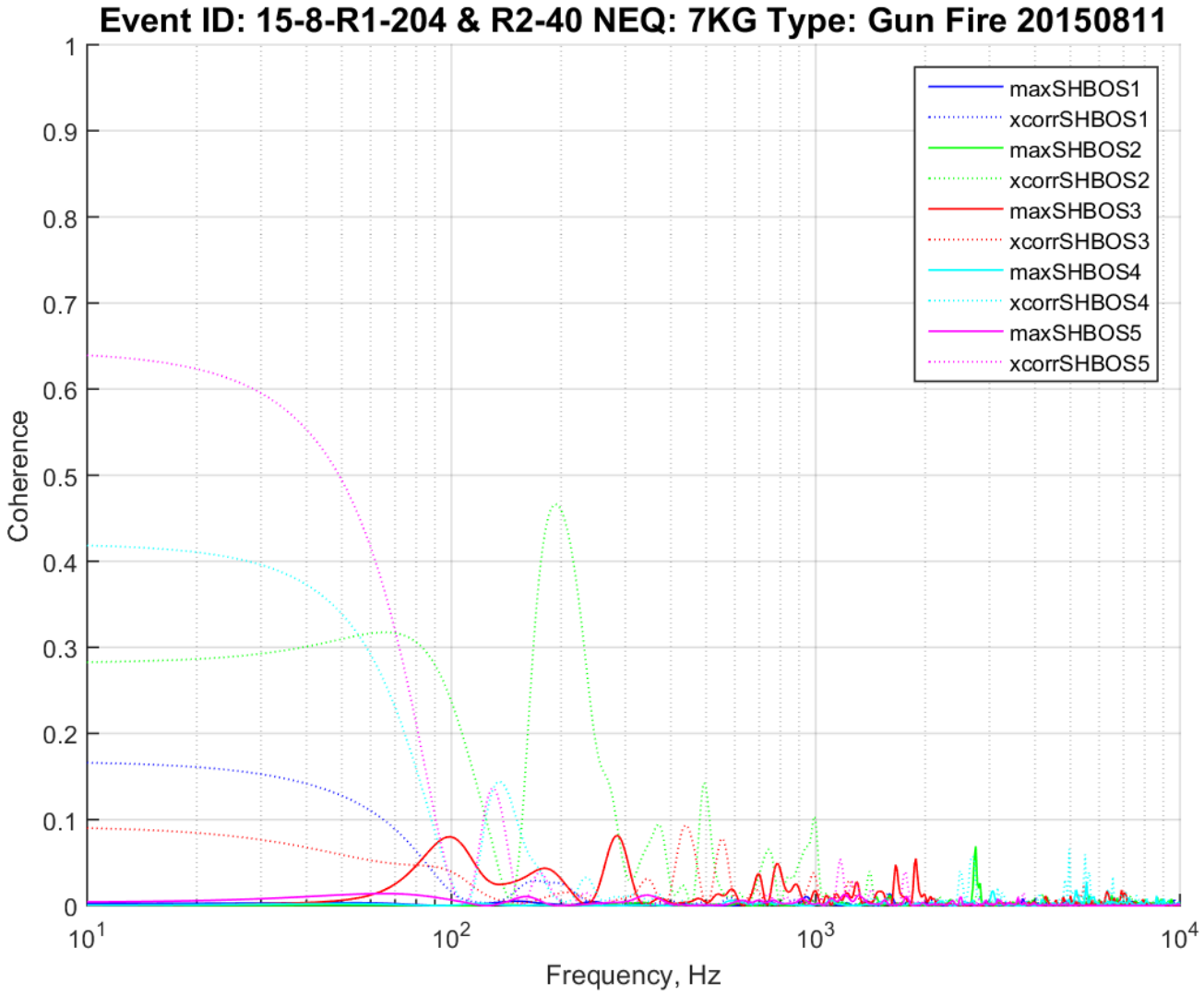


FIGURE 2.553: COHERENCE SHB_OS 1 - 5 15-8-R1-204 & R2-40

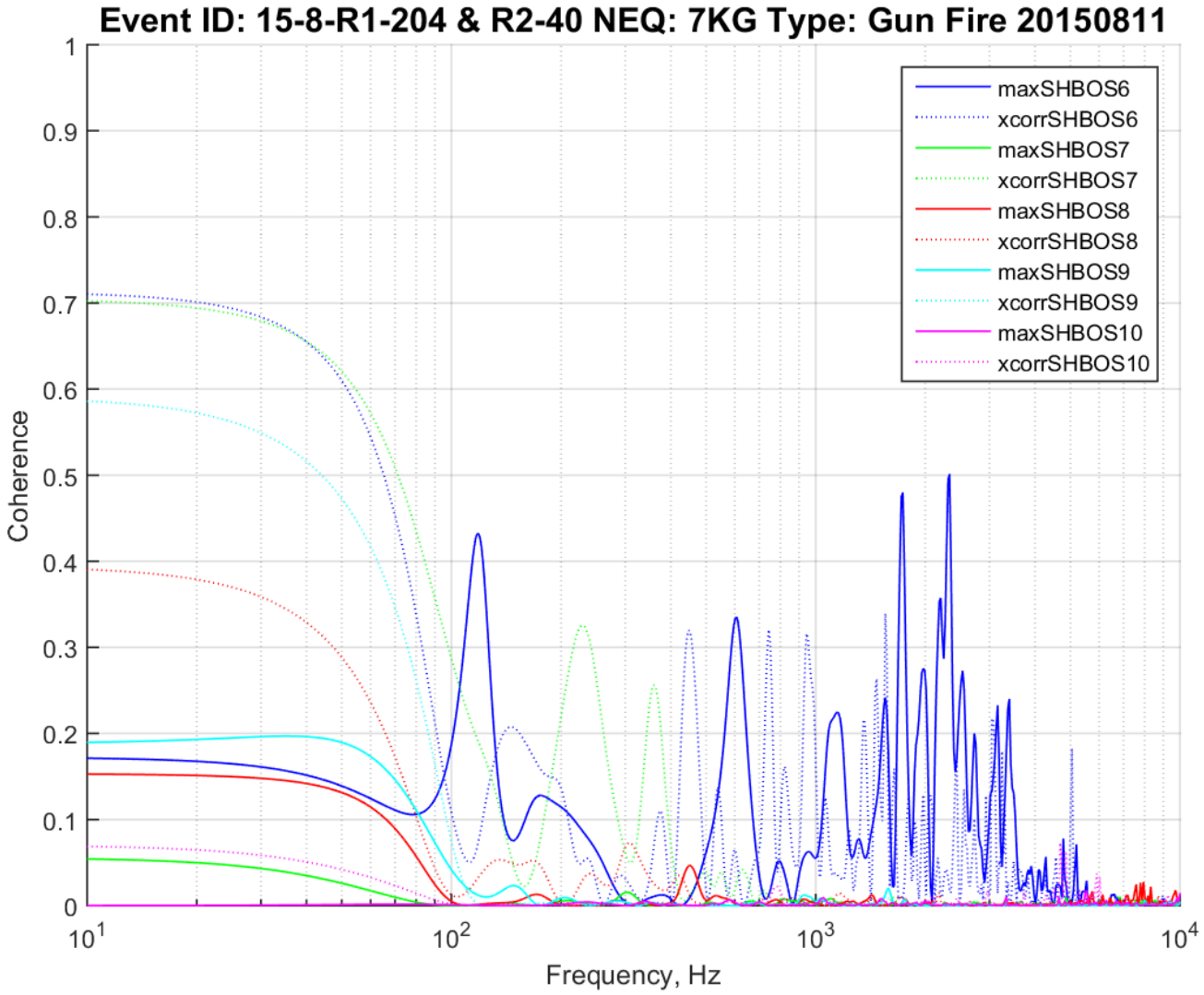


FIGURE 2.554: COHERENCE SHB_OS 6 - 10 15-8-R1-204 & R2-40CTD

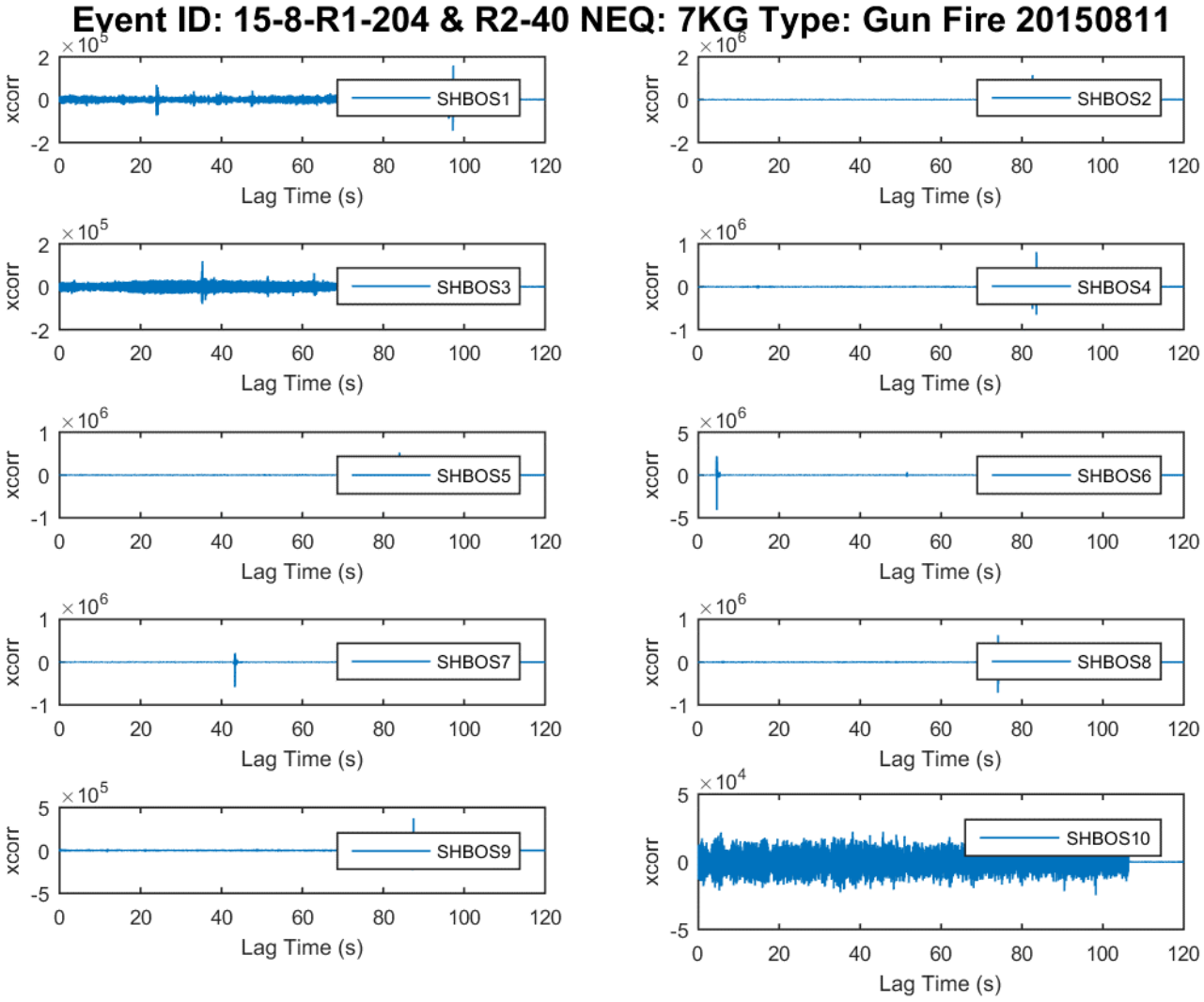


FIGURE 2.555: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-204 & R2-40

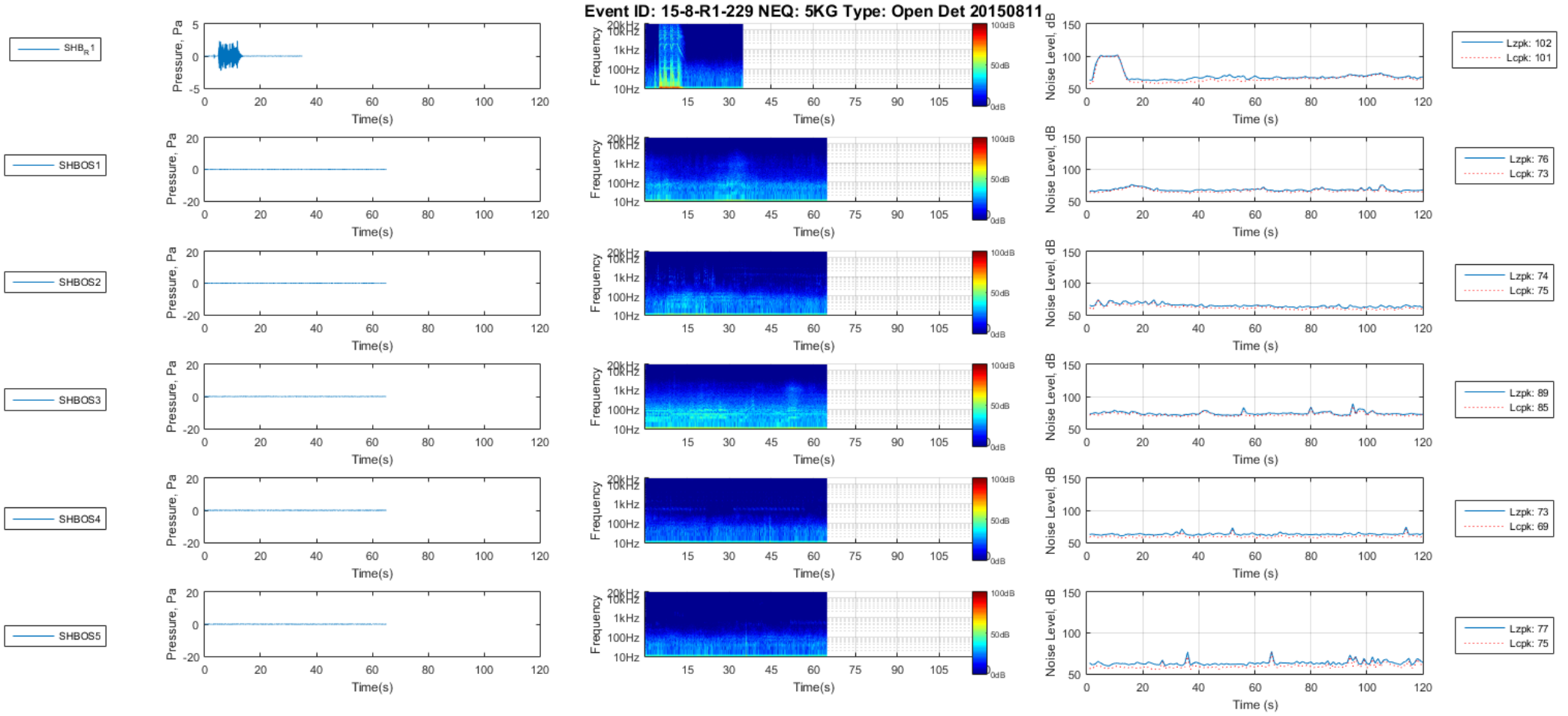


FIGURE 2.556: SHB_OS 1 - 5 15-8-R1-229

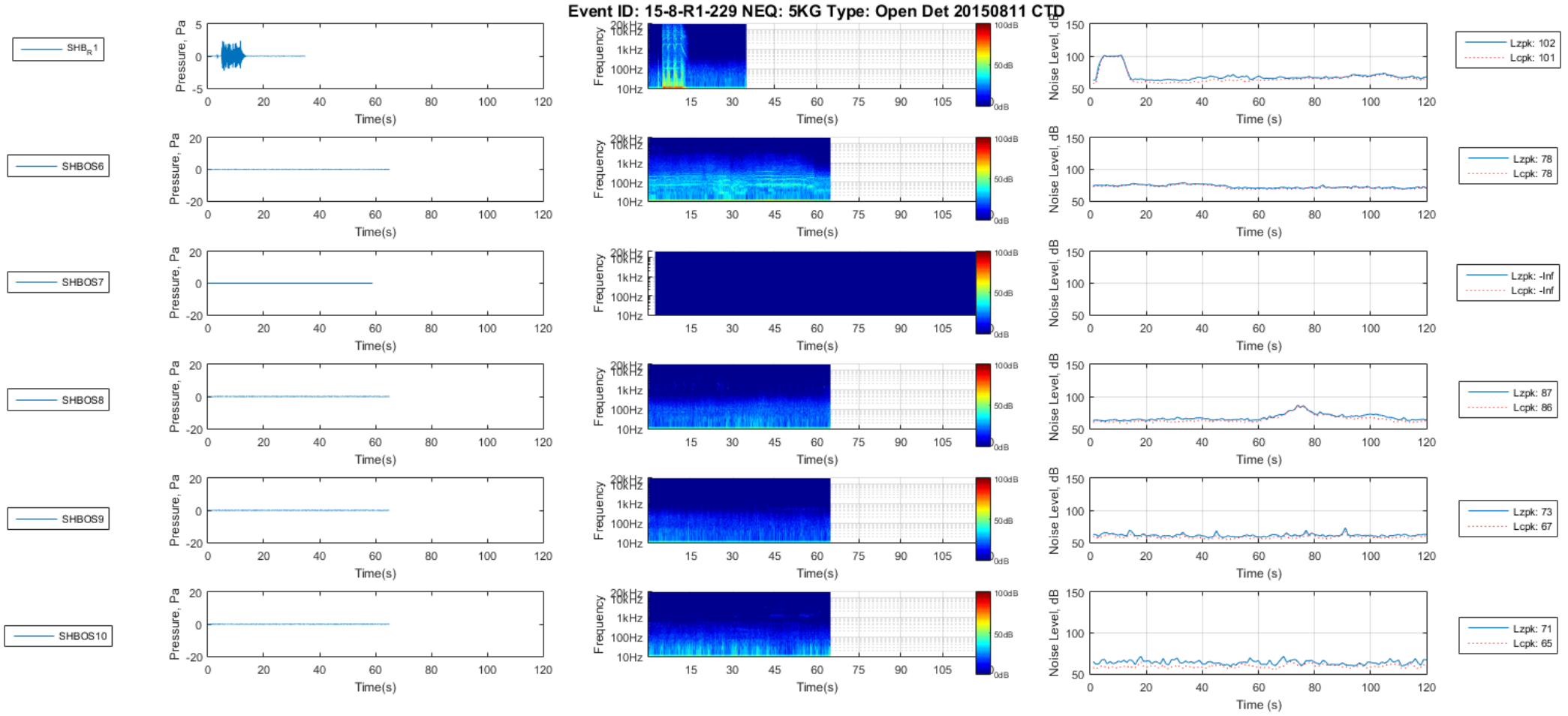


FIGURE 2.557: SHB_OS 6 - 10 15-8-R1-229

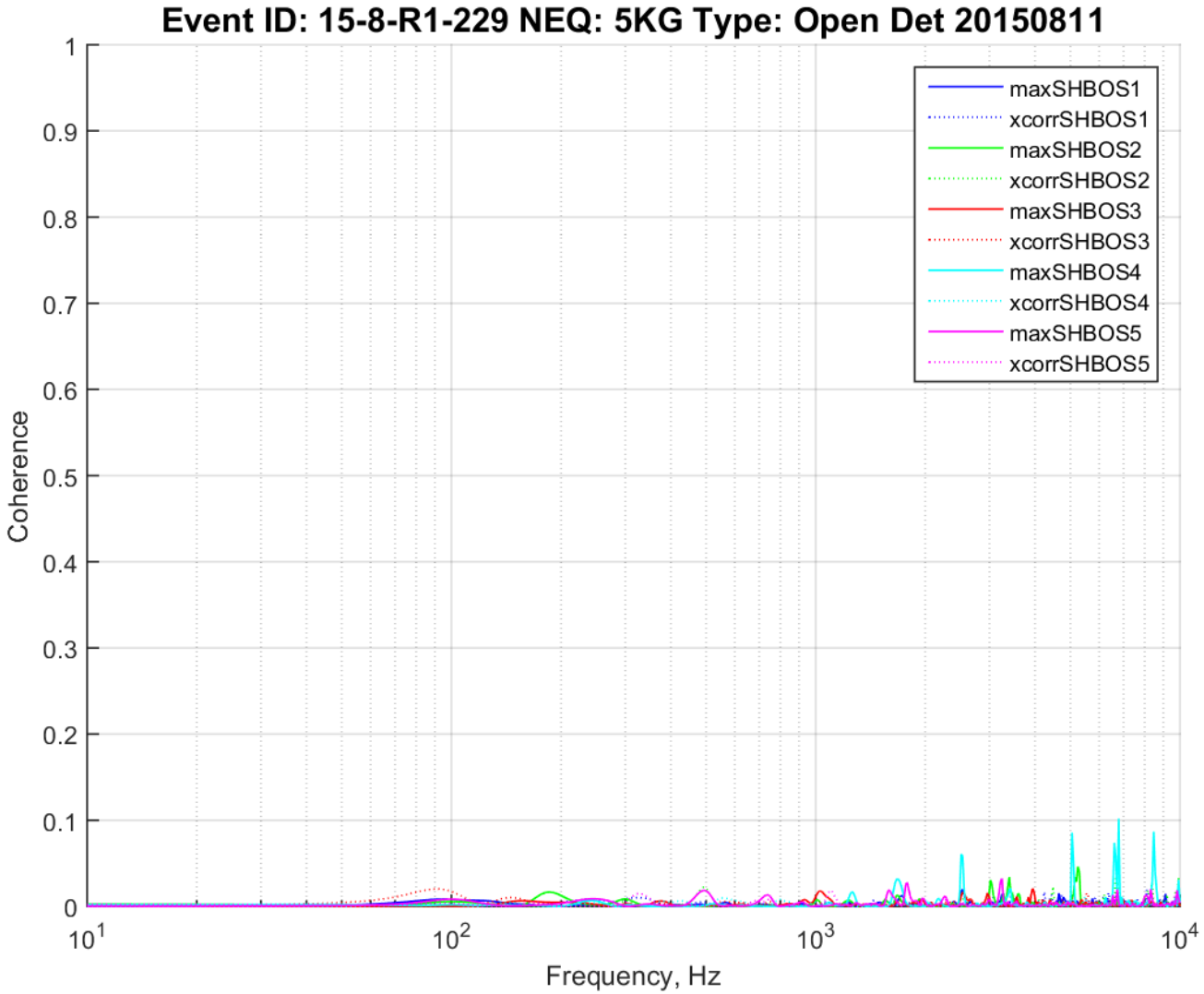


FIGURE 2.558: COHERENCE SHB_OS 1 - 5 15-8-R1-229

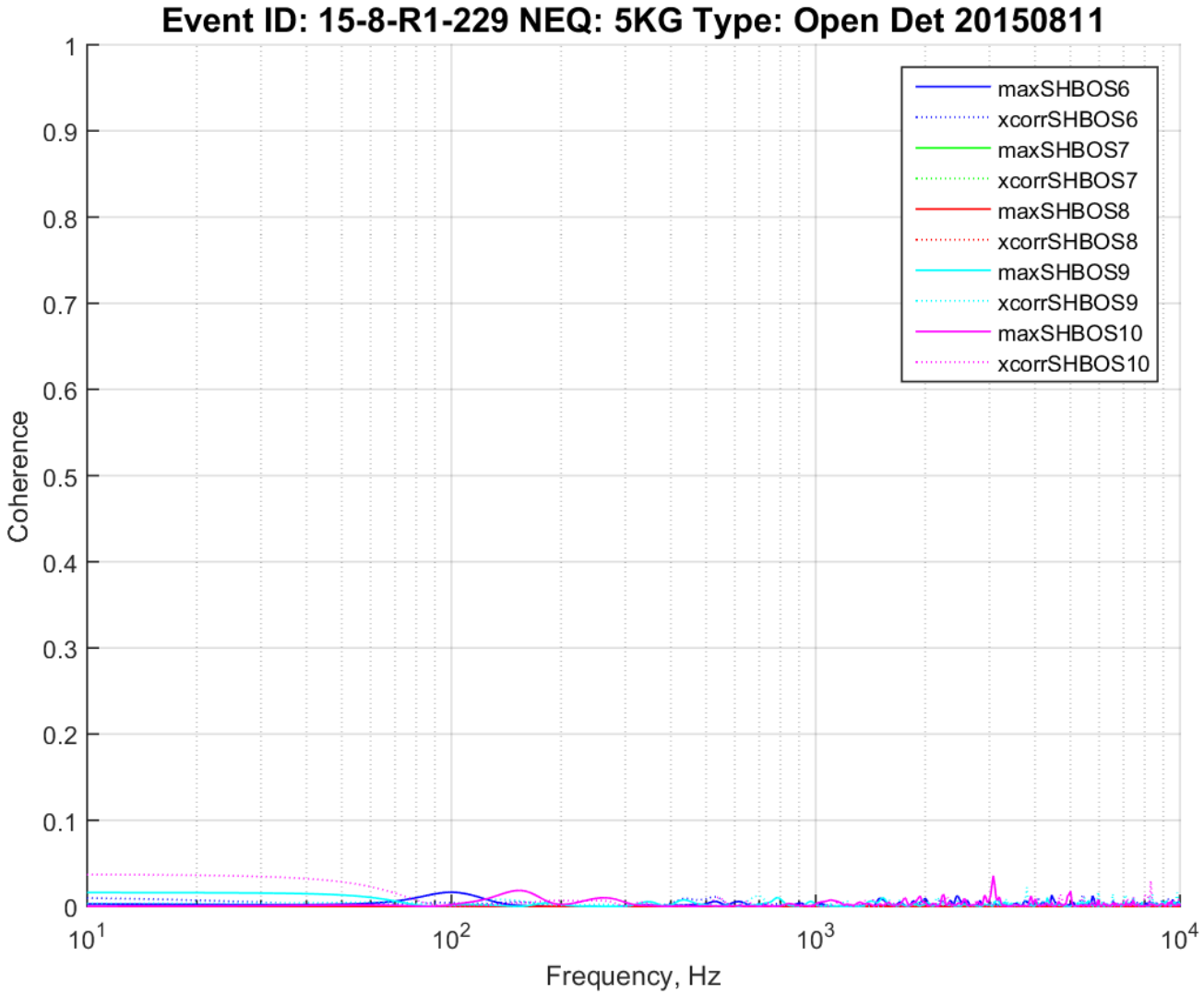


FIGURE 2.559: COHERENCE SHB_OS 6 - 10 15-8-R1-229CTD

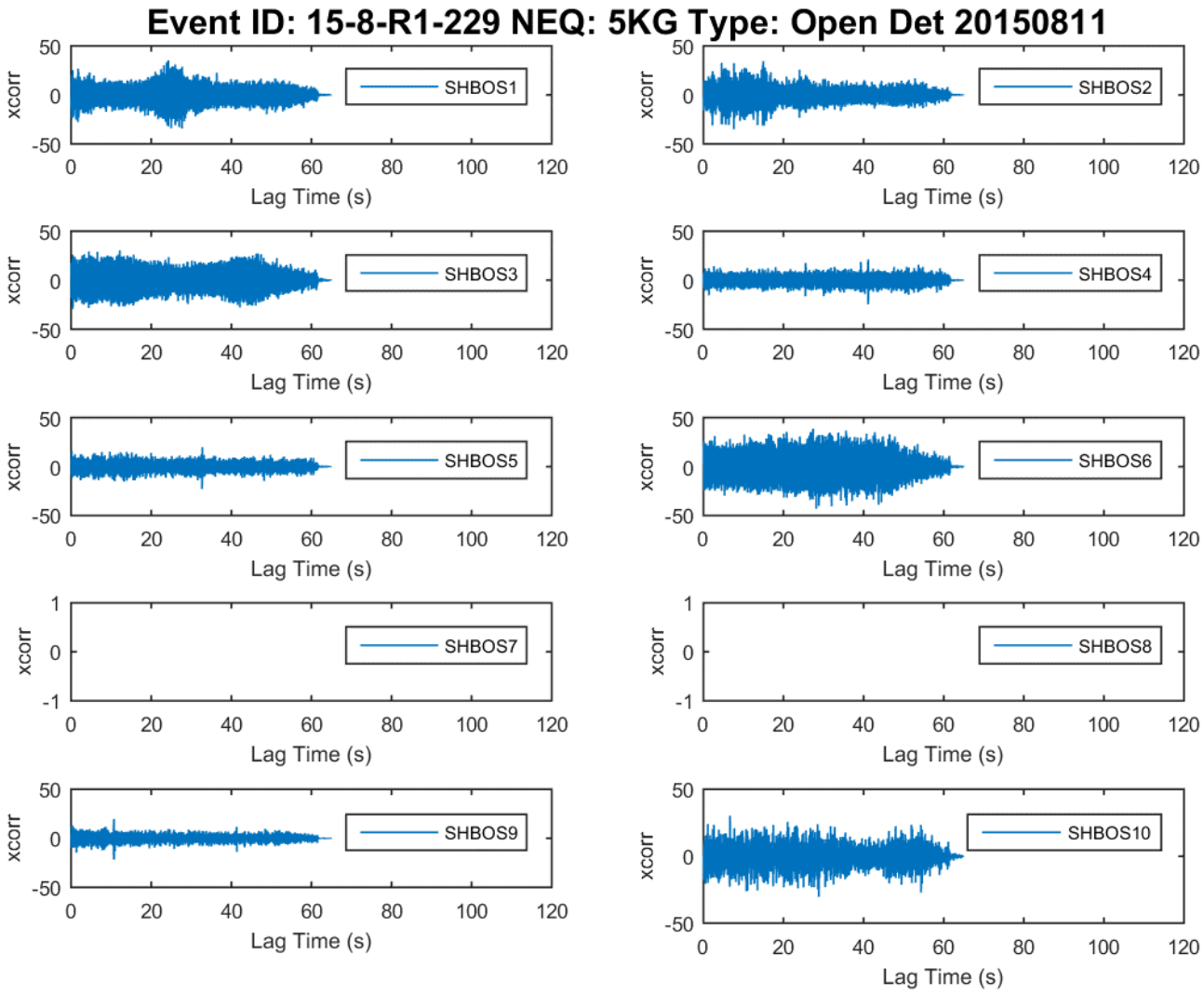


FIGURE 2.560: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-229

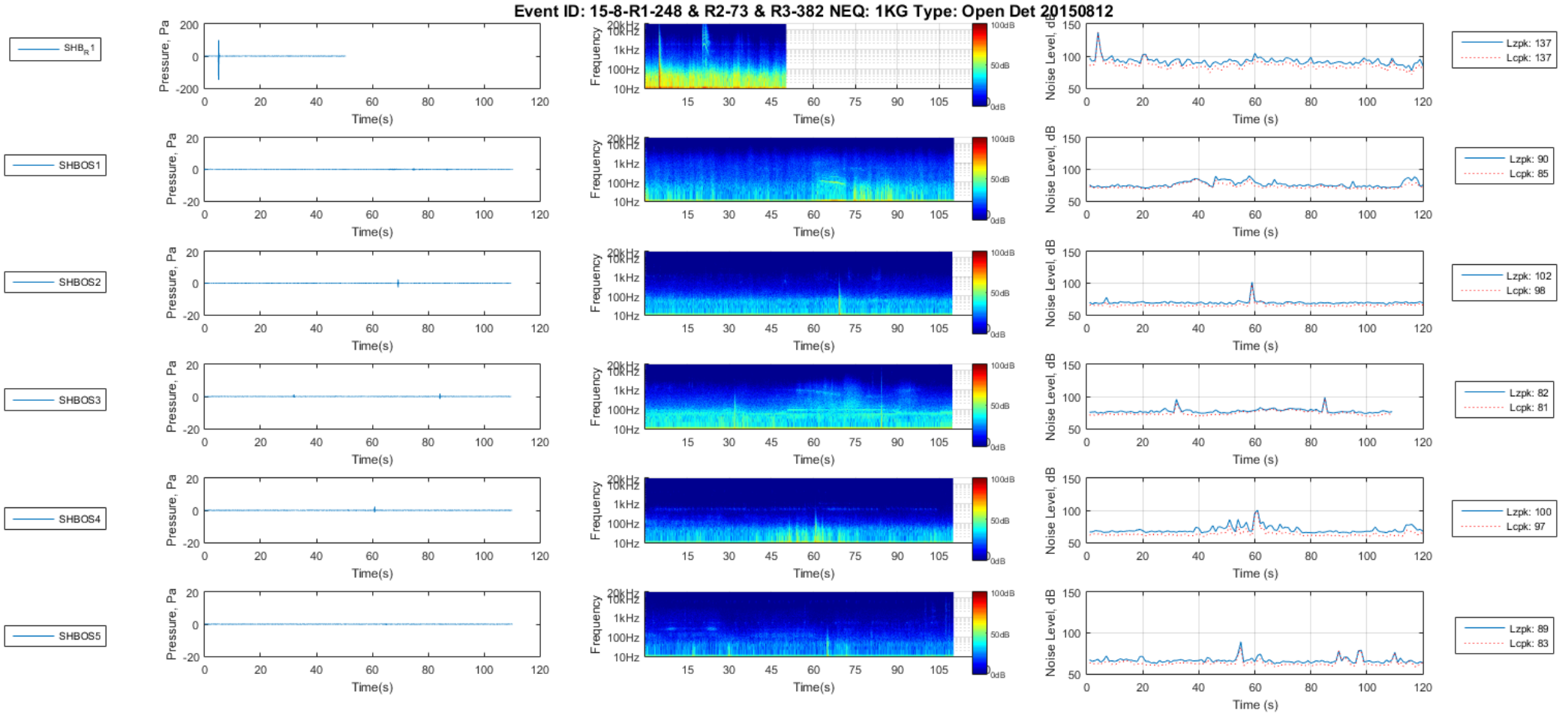


FIGURE 2.561: SHB_OS 1 - 5 15-8-R1-248 & R2-73 & R3-382

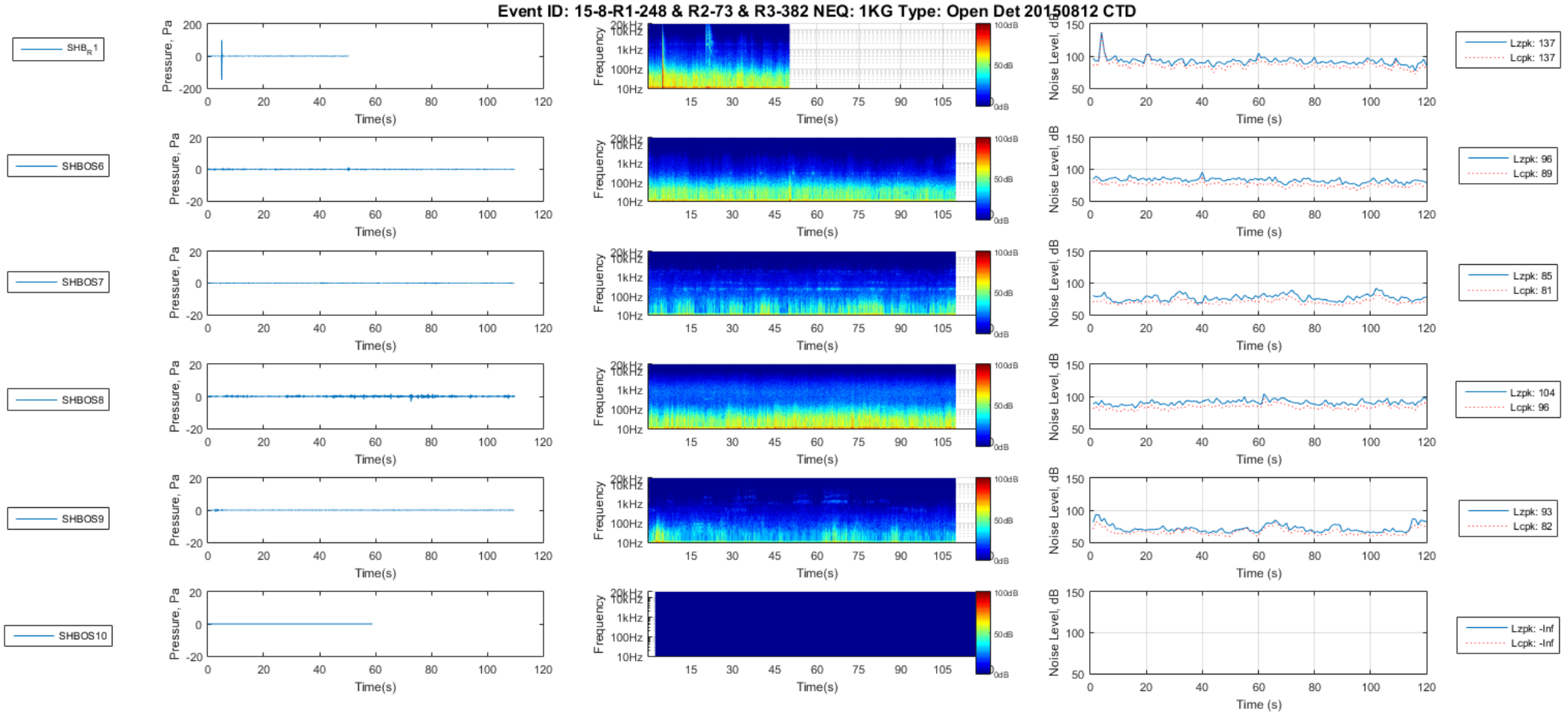


FIGURE 2.562: SHB_OS 6 - 10 15-8-R1-248 & R2-73 & R3-382

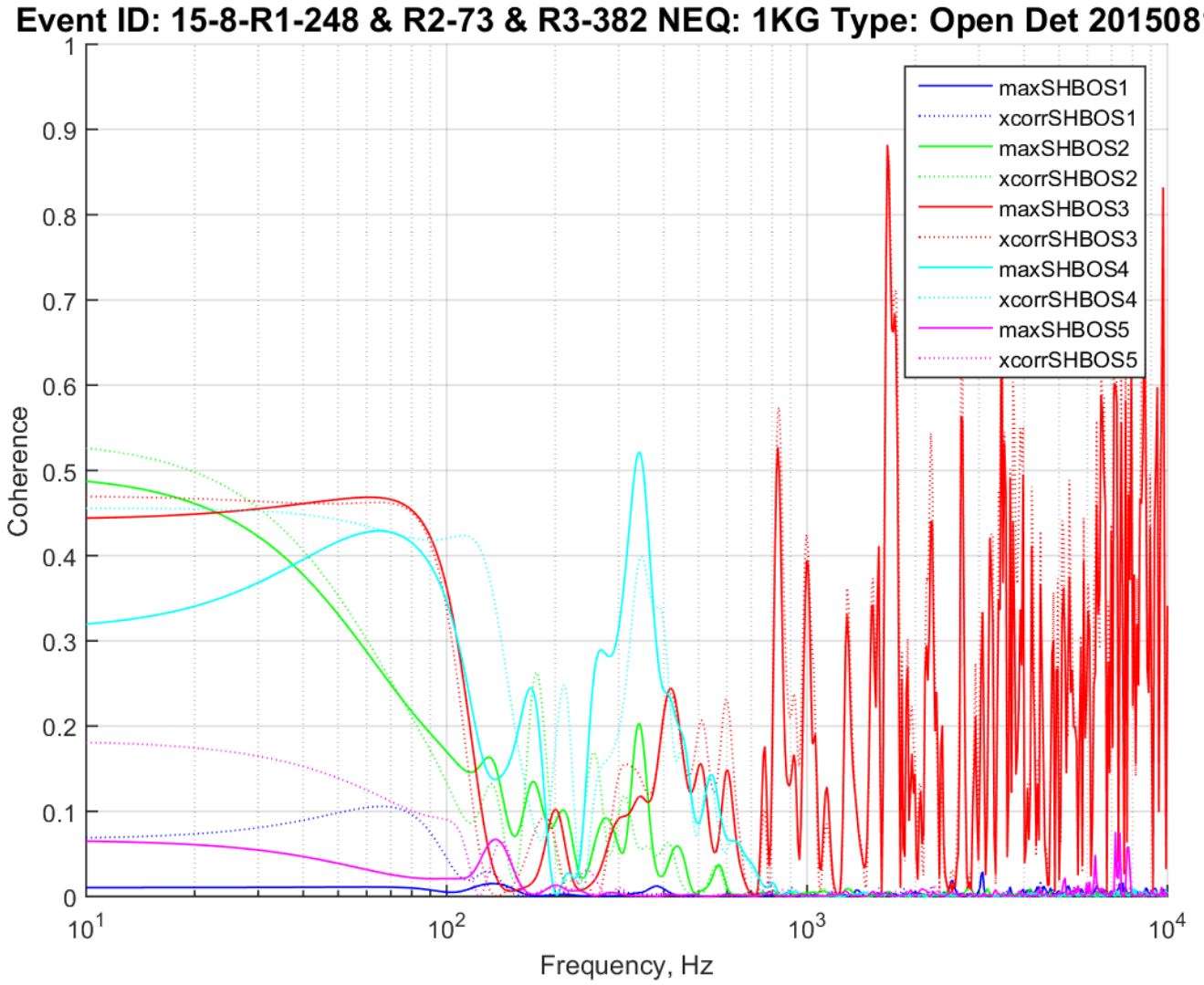


FIGURE 2.563: COHERENCE SHB_OS 1 - 5 15-8-R1-248 & R2-73 & R3-382

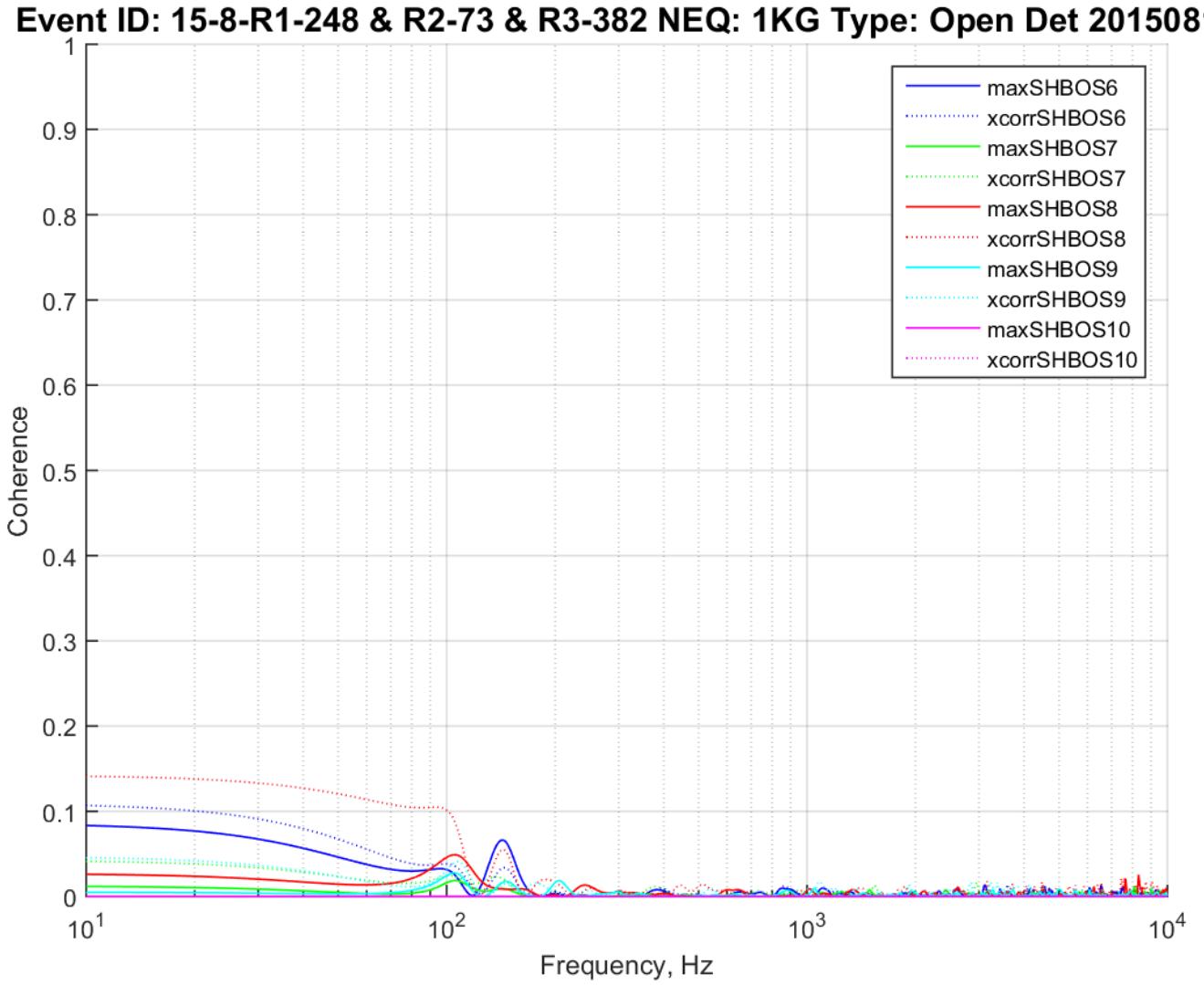


FIGURE 2.564: COHERENCE SHB_OS 6 - 10 15-8-R1-248 & R2-73 & R3-382CTD

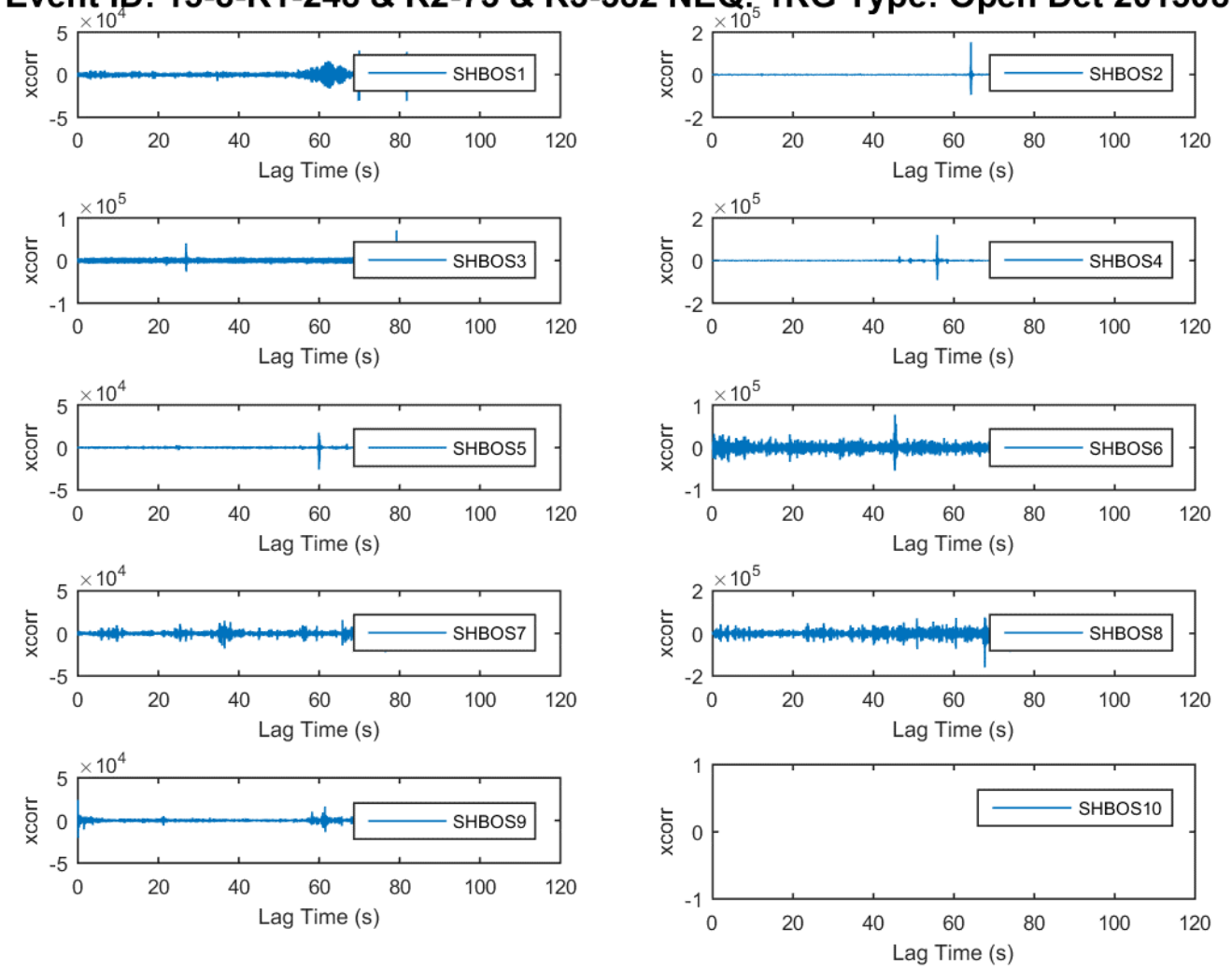
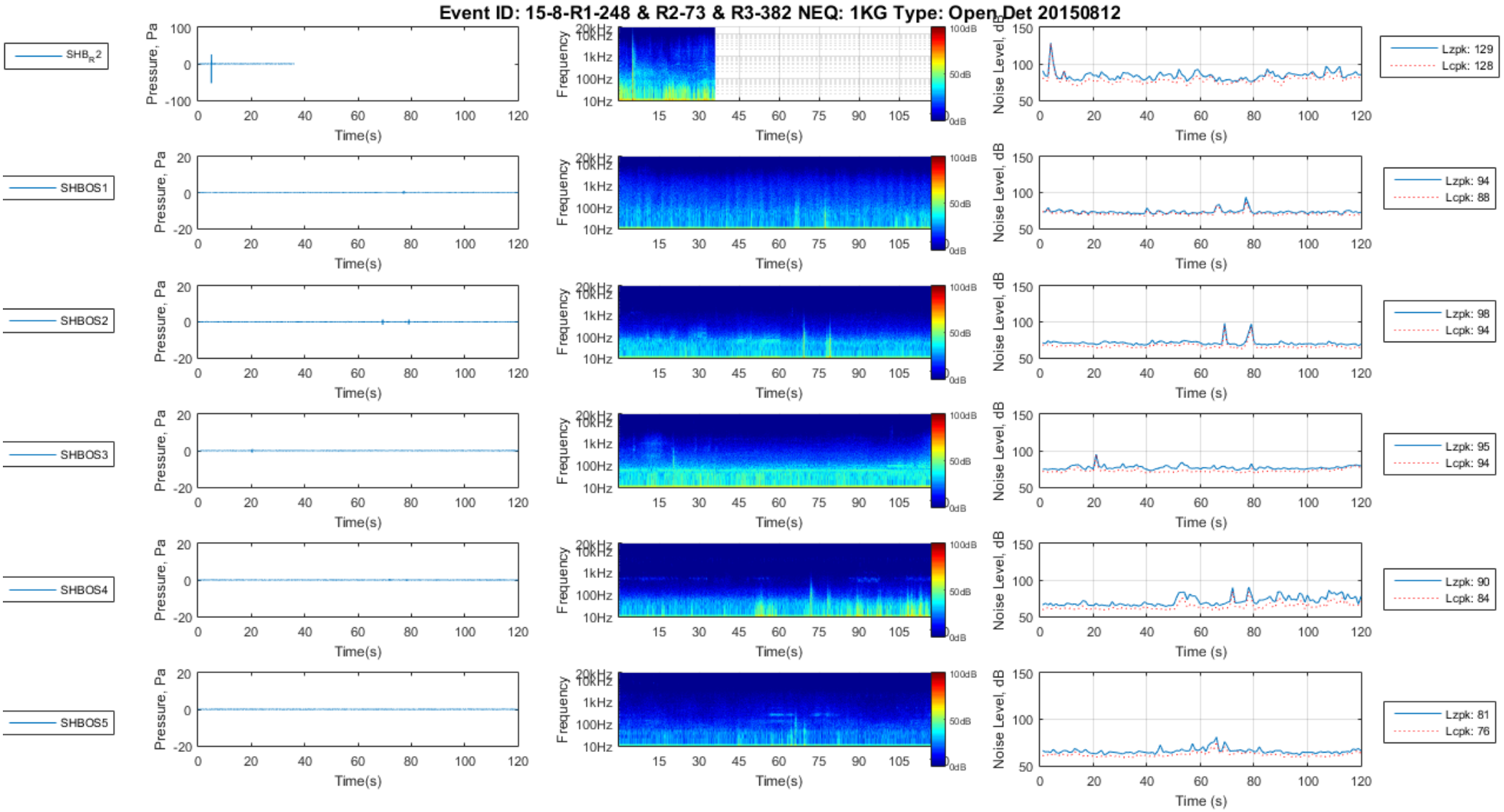
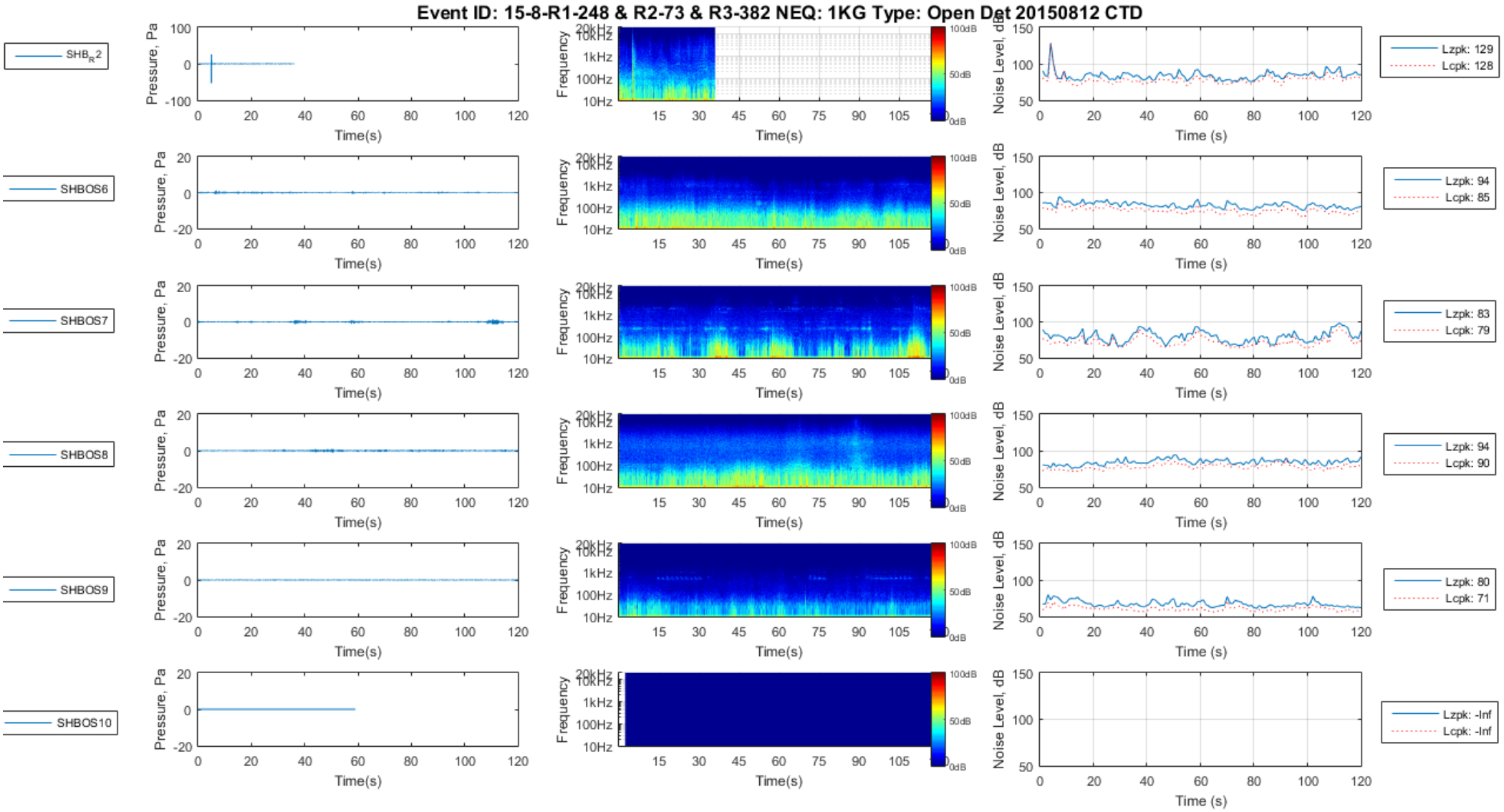


FIGURE 2.565: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-248 & R2-73 & R3-382


Event ID: 15-8-R1-248 & R2-73 & R3-382 NEQ: 1KG Type: Open Det 20150812
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 129
Lcpk: 128
Lzpk: 94
Lcpk: 88
Lzpk: 98
Lcpk: 94
Lzpk: 95
Lcpk: 94
Lzpk: 90
Lcpk: 84
Lzpk: 81
Lcpk: 76


Event ID: 15-8-R1-248 & R2-73 & R3-382 NEQ: 1KG Type: Open Det 20150812 CTD
SHB$_R$2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 129
Lcpk: 128
Lzpk: 94
Lcpk: 85
Lzpk: 83
Lcpk: 79
Lzpk: 94
Lcpk: 90
Lzpk: 80
Lcpk: 71
Lzpk: -Inf
Lcpk: -Inf

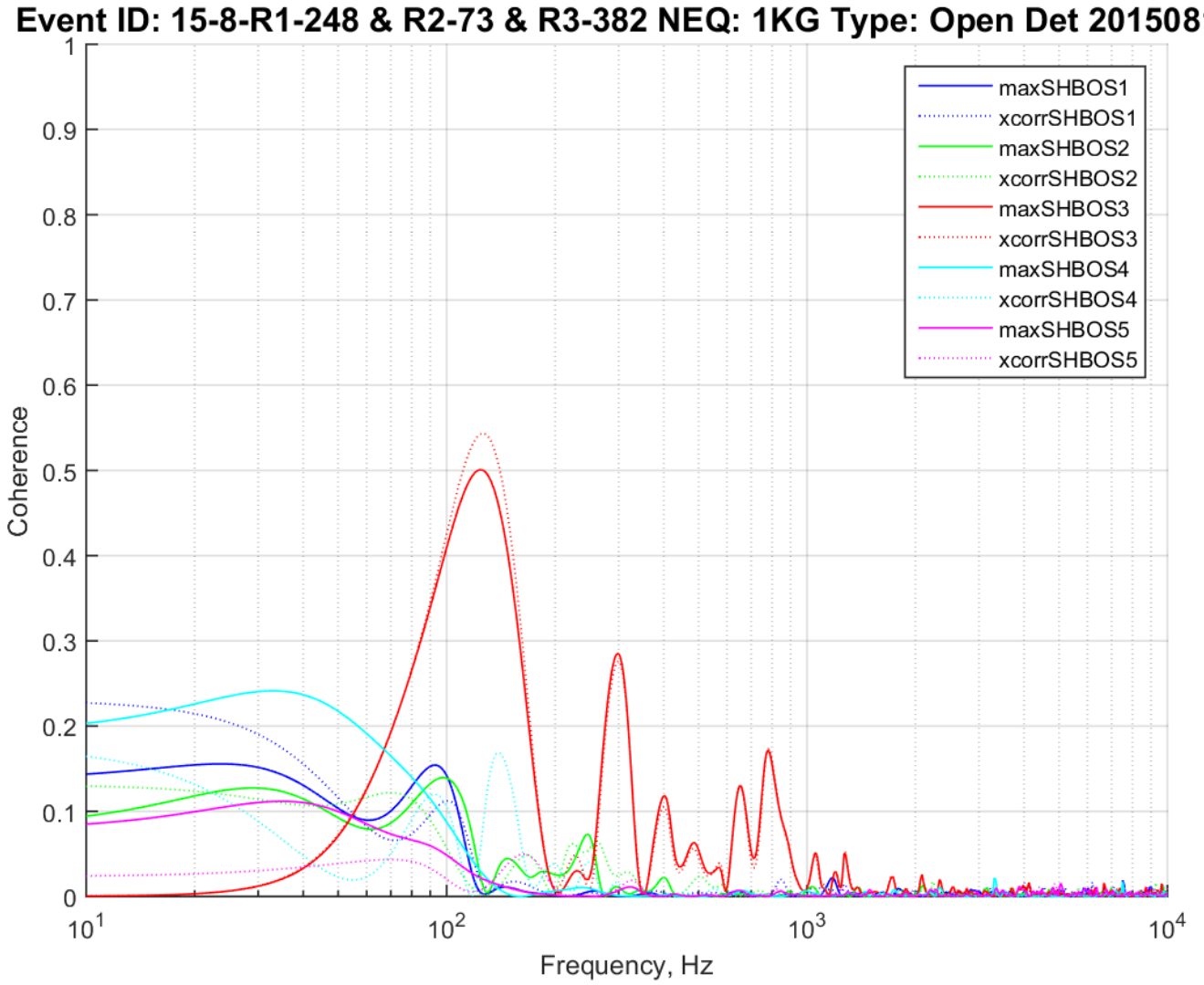


FIGURE 2.568: COHERENCE SHB_OS 1 - 5 15-8-R1-248 & R2-73 & R3-382

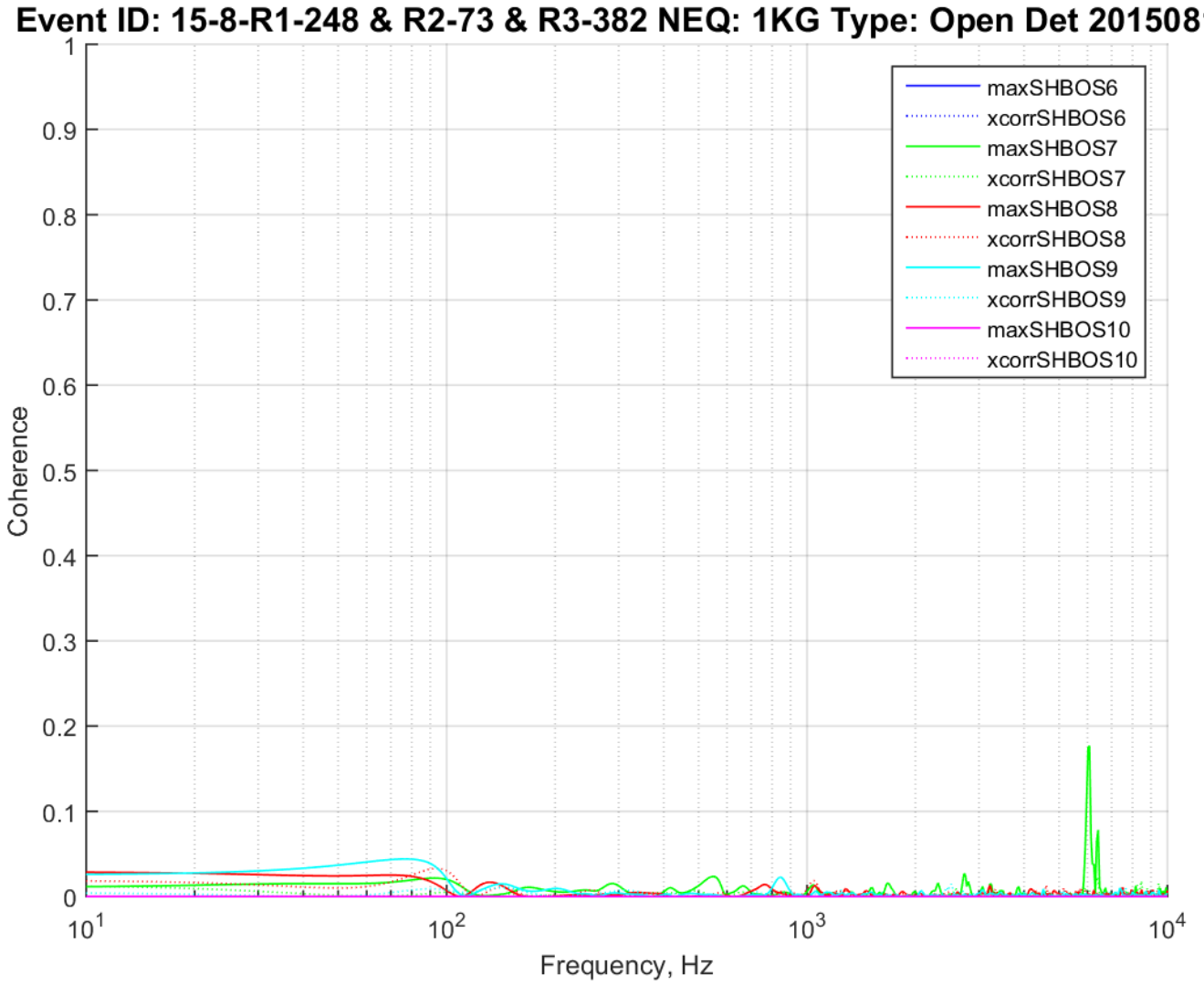


FIGURE 2.569: COHERENCE SHB_OS 6 - 10 15-8-R1-248 & R2-73 & R3-382CTD

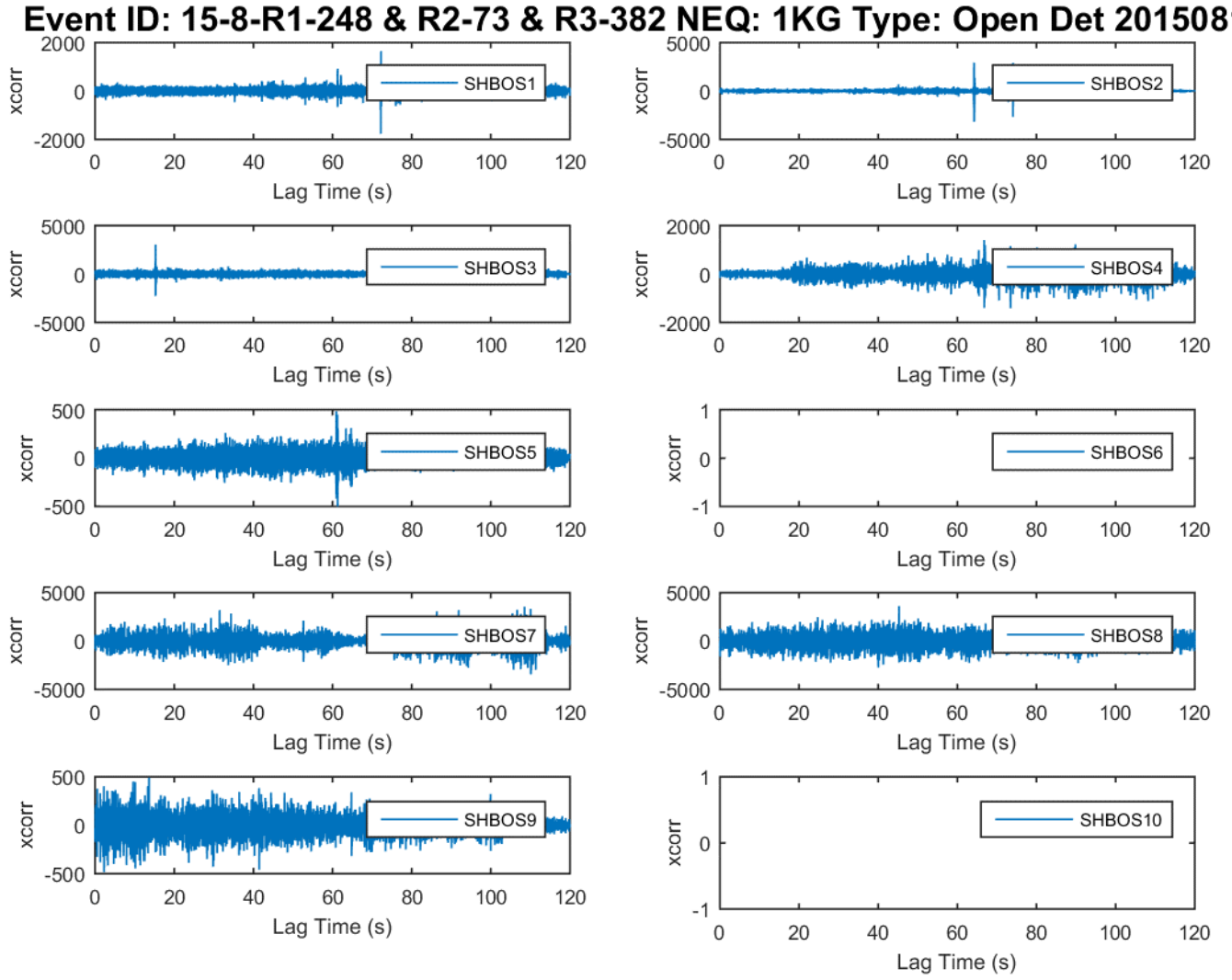
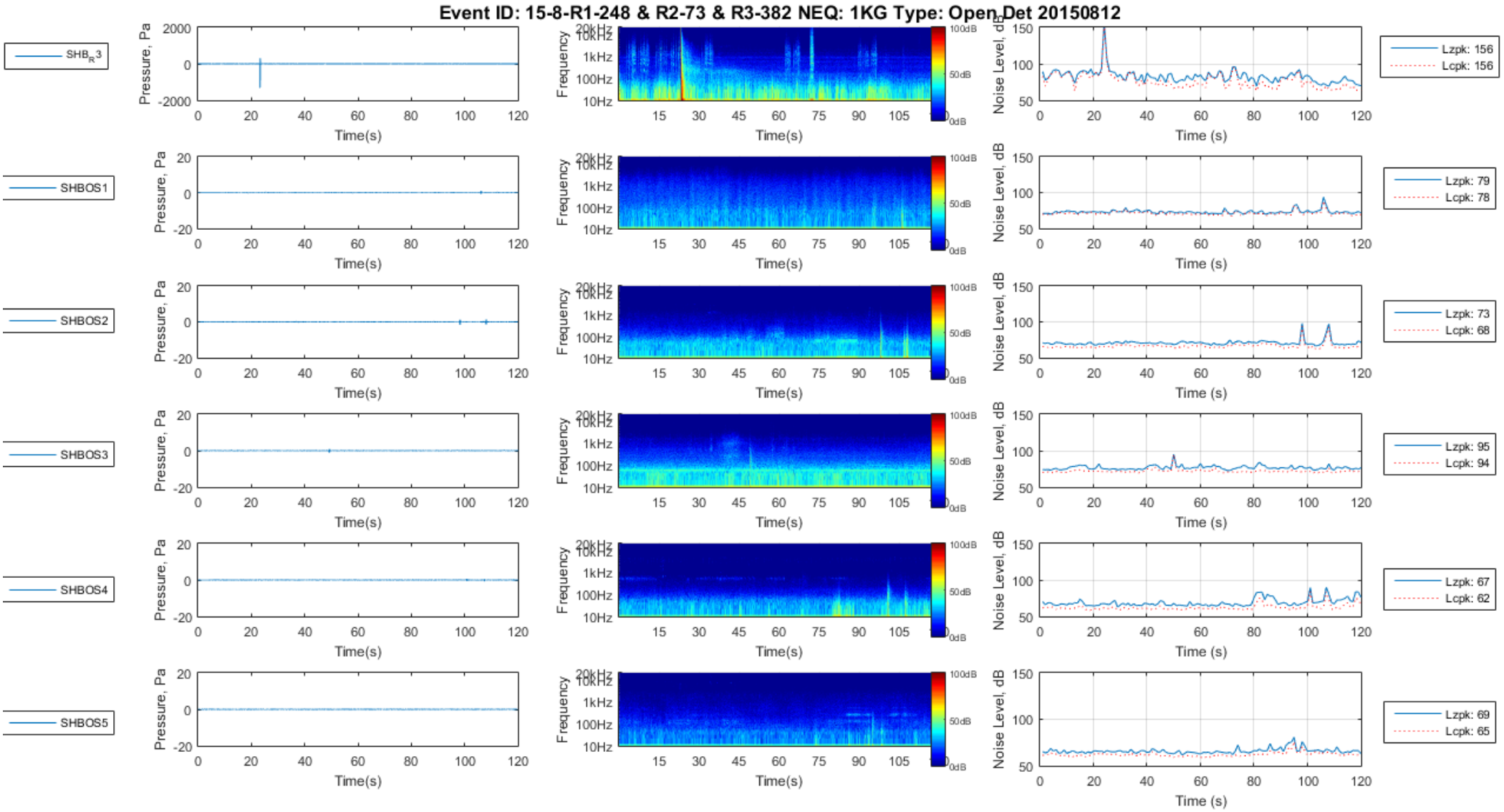
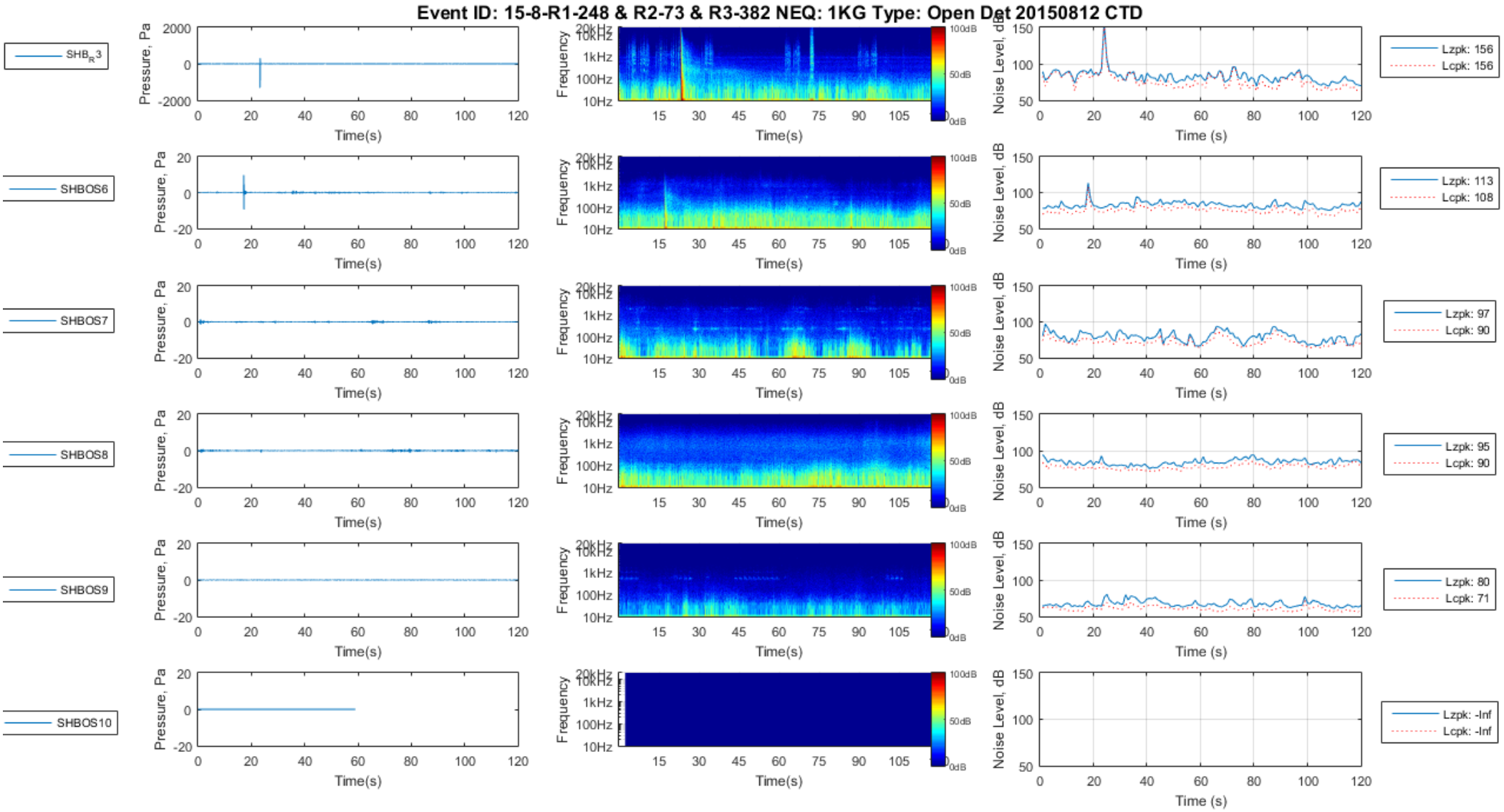


FIGURE 2.570: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-248 & R2-73 & R3-382


Event ID: 15-8-R1-248 & R2-73 & R3-382 NEQ: 1KG Type: Open Det 20150812
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 156
Lcpk: 156
Lzpk: 79
Lcpk: 78
Lzpk: 73
Lcpk: 68
Lzpk: 95
Lcpk: 94
Lzpk: 67
Lcpk: 62
Lzpk: 69
Lcpk: 65


Event ID: 15-8-R1-248 & R2-73 & R3-382 NEQ: 1KG Type: Open Det 20150812 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 156
Lcpk: 156
Lzpk: 113
Lcpk: 108
Lzpk: 97
Lcpk: 90
Lzpk: 95
Lcpk: 90
Lzpk: 80
Lcpk: 71
Lzpk: -Inf
Lcpk: -Inf

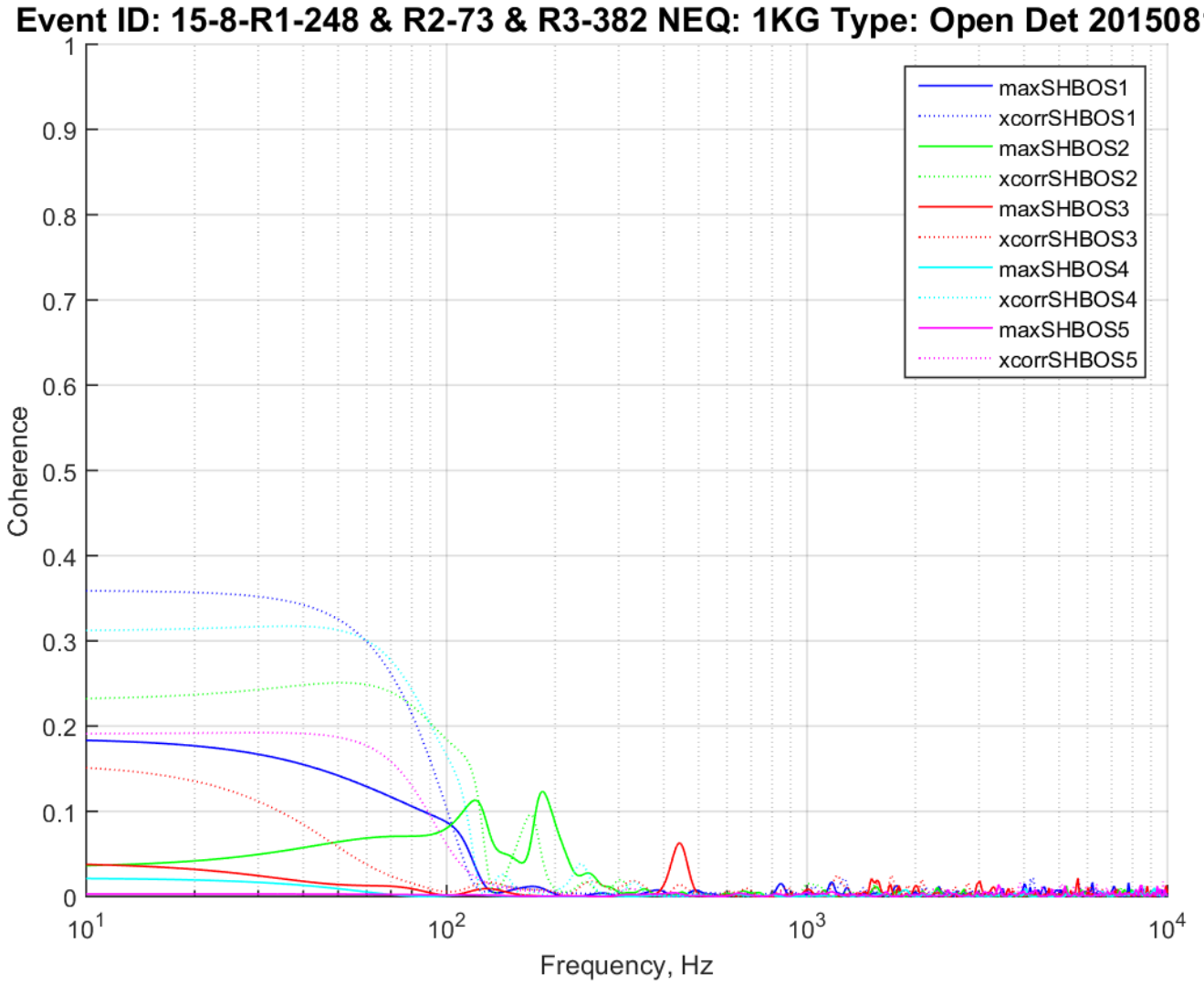


FIGURE 2.573: COHERENCE SHB_OS 1 - 5 15-8-R1-248 & R2-73 & R3-382

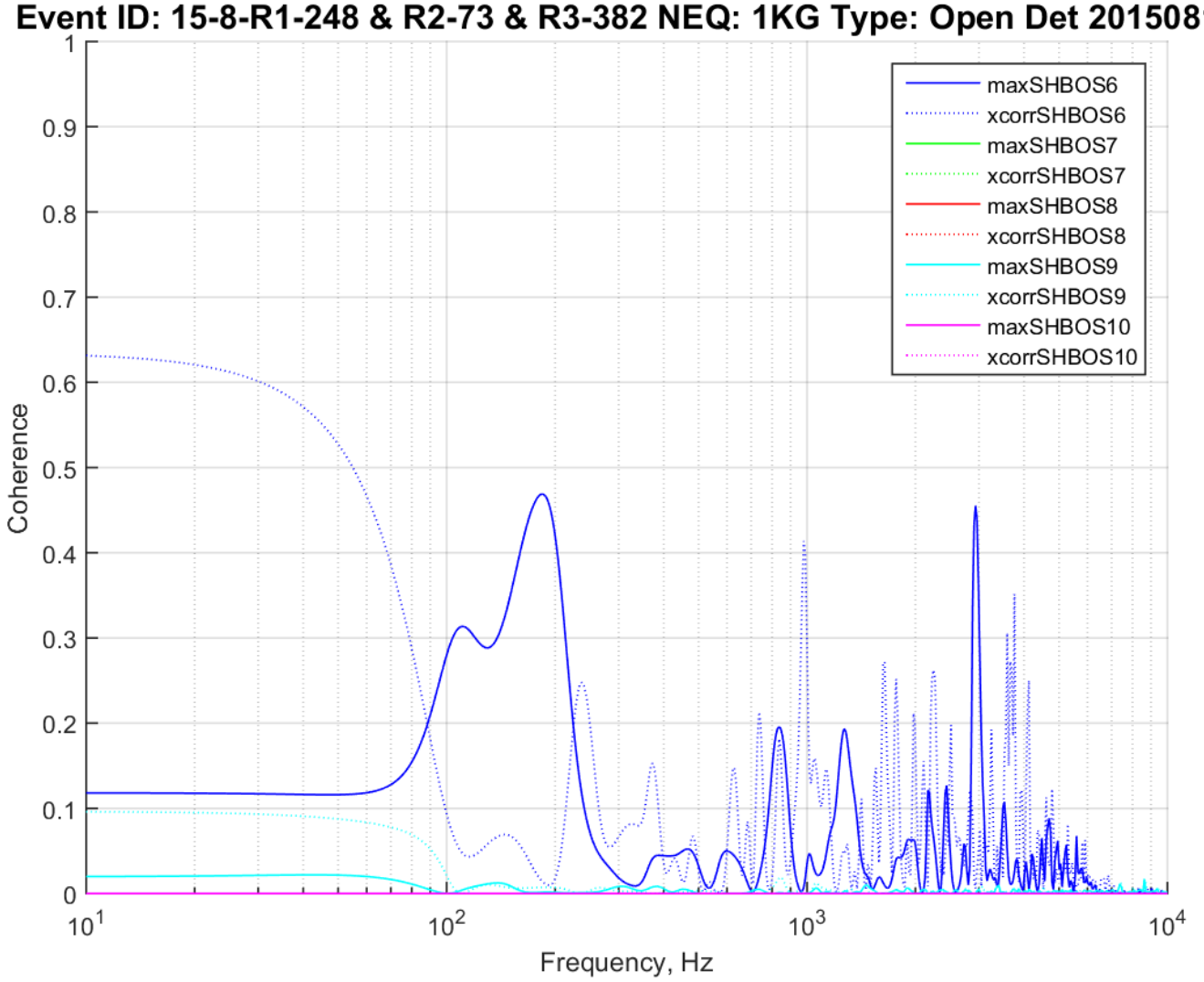


FIGURE 2.574: COHERENCE SHB_OS 6 - 10 15-8-R1-248 & R2-73 & R3-382CTD

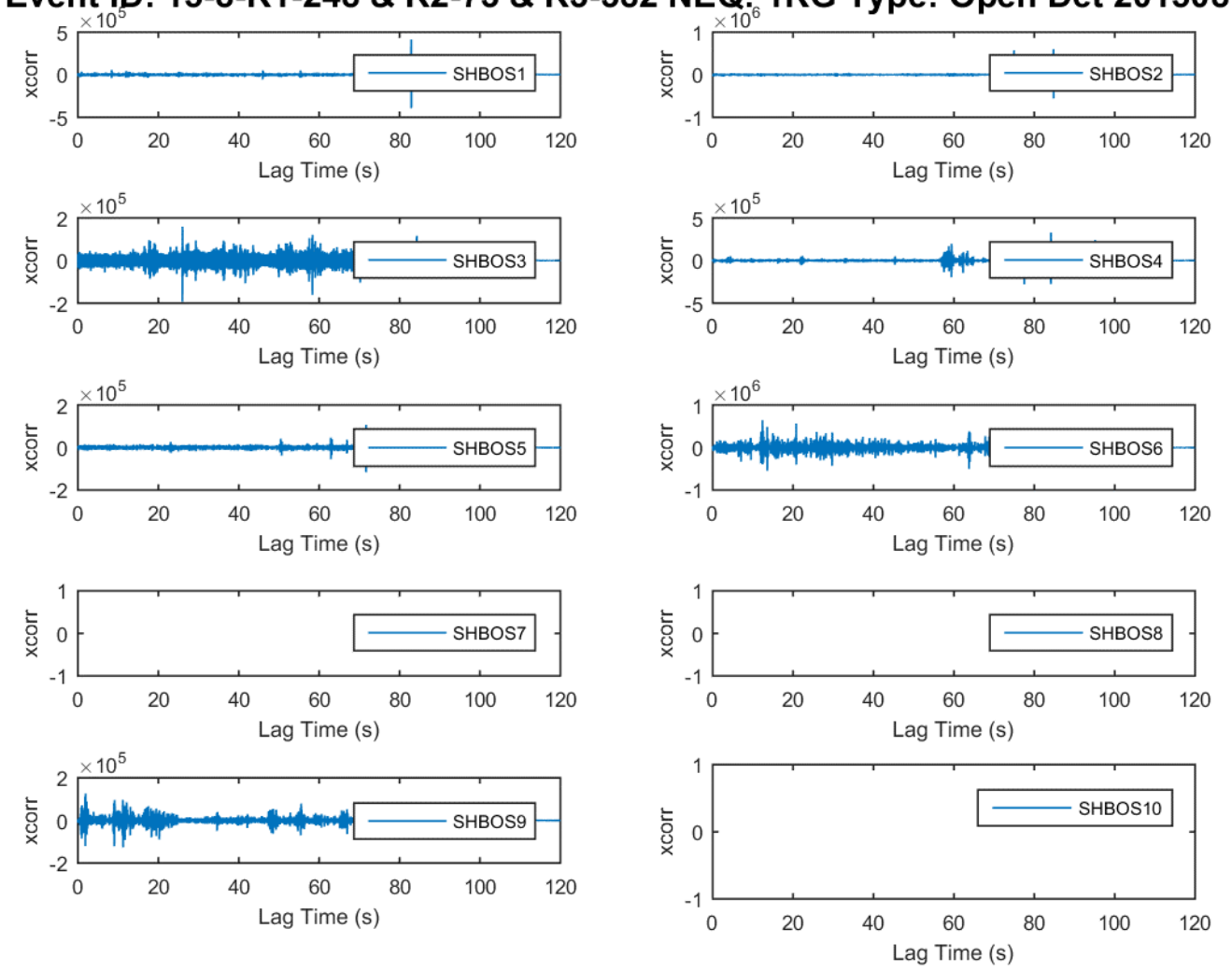


FIGURE 2.575: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-248 & R2-73 & R3-382

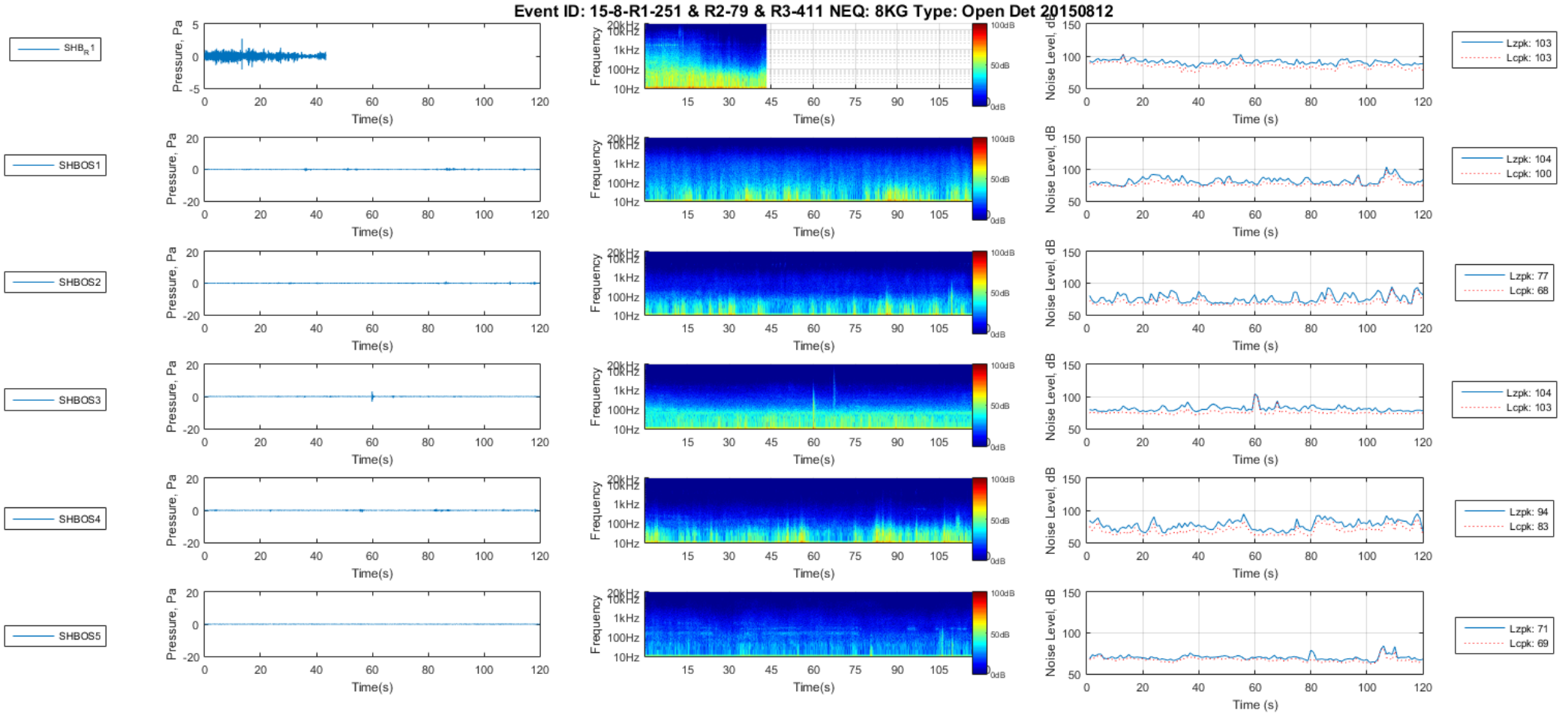


FIGURE 2.576: SHB_OS 1 - 5 15-8-R1-251 & R2-79 & R3-411

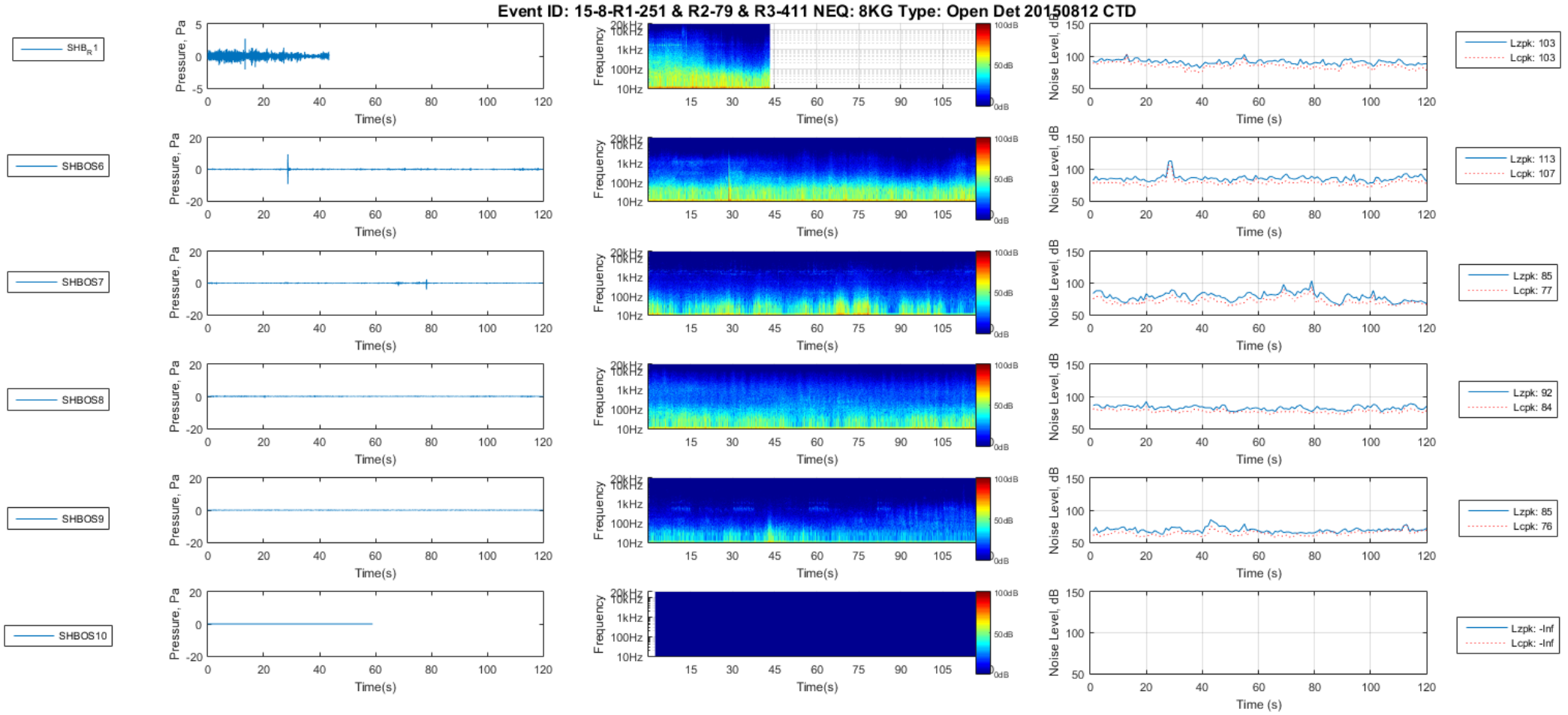


FIGURE 2.577: SHB_OS 6 - 10 15-8-R1-251 & R2-79 & R3-411

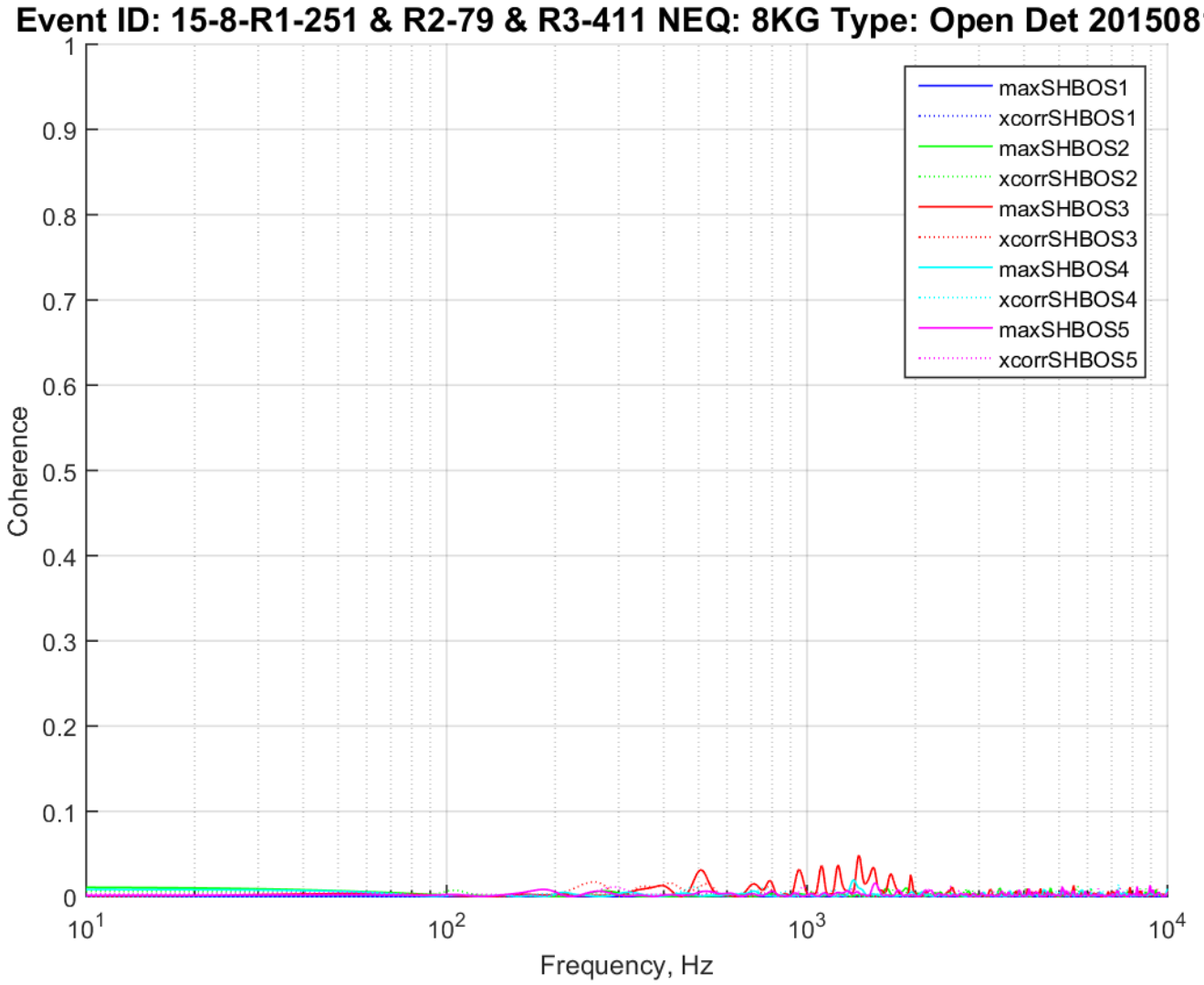


FIGURE 2.578: COHERENCE SHB_OS 1 - 5 15-8-R1-251 & R2-79 & R3-411

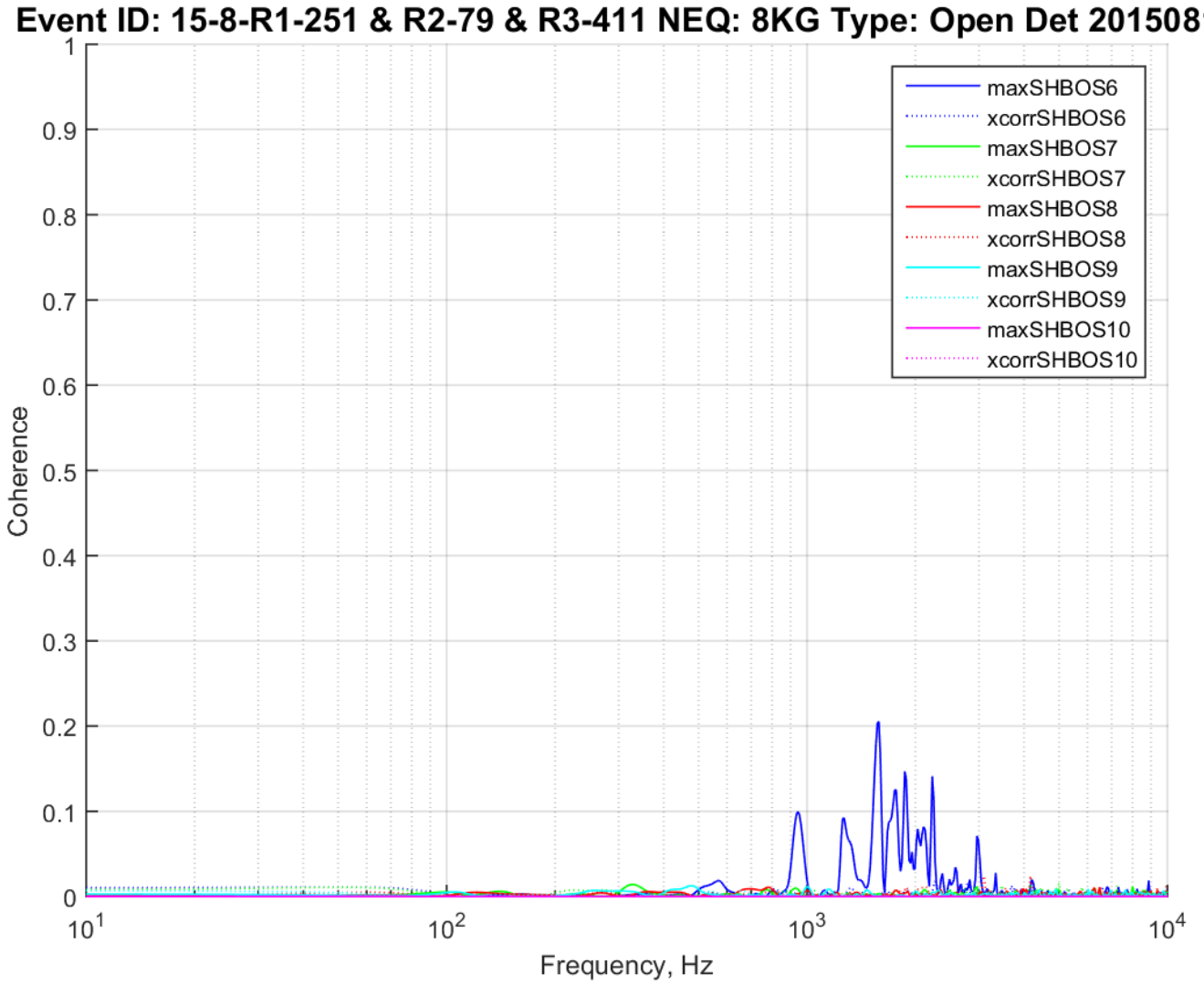


FIGURE 2.579: COHERENCE SHB_OS 6 - 10 15-8-R1-251 & R2-79 & R3-411CTD

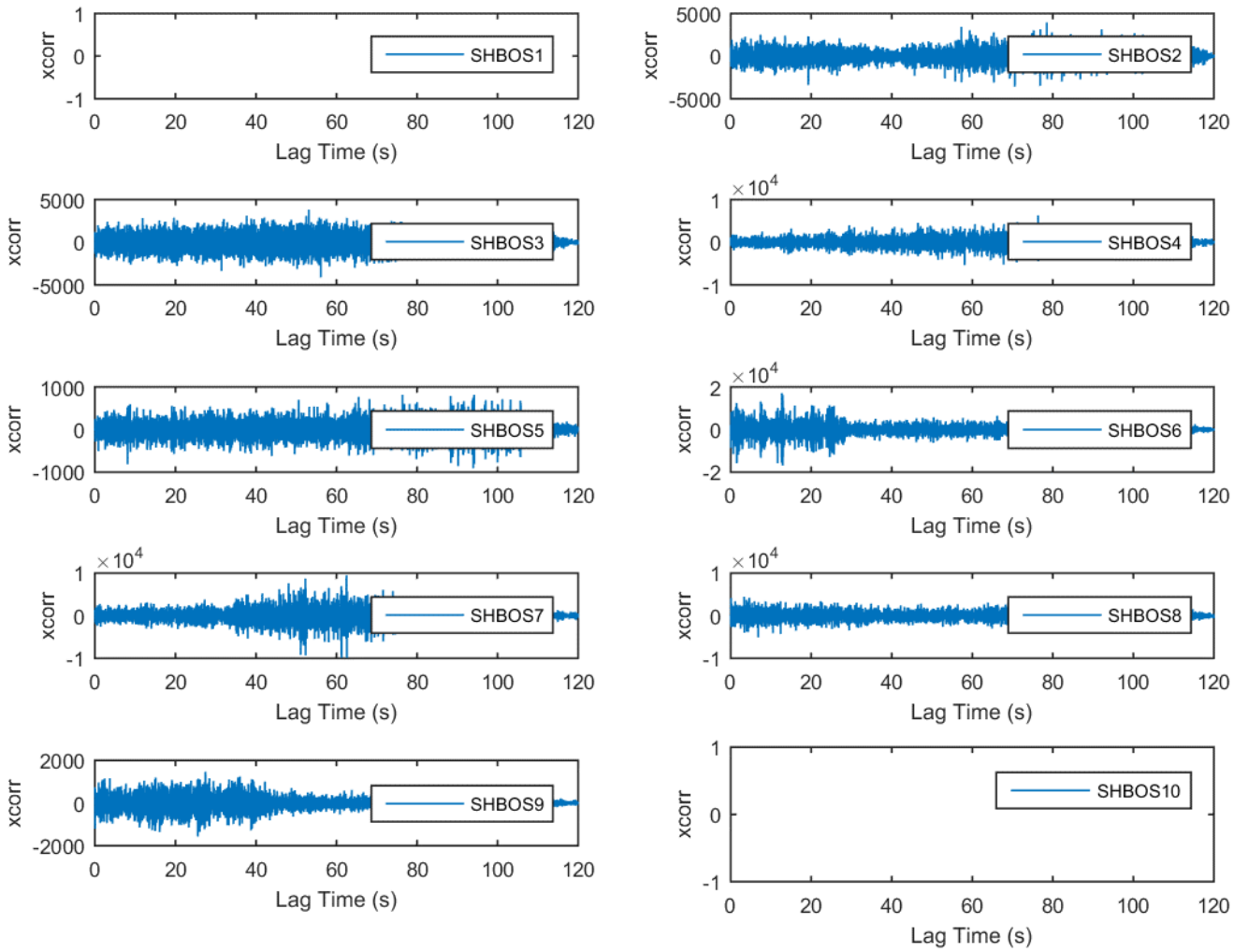
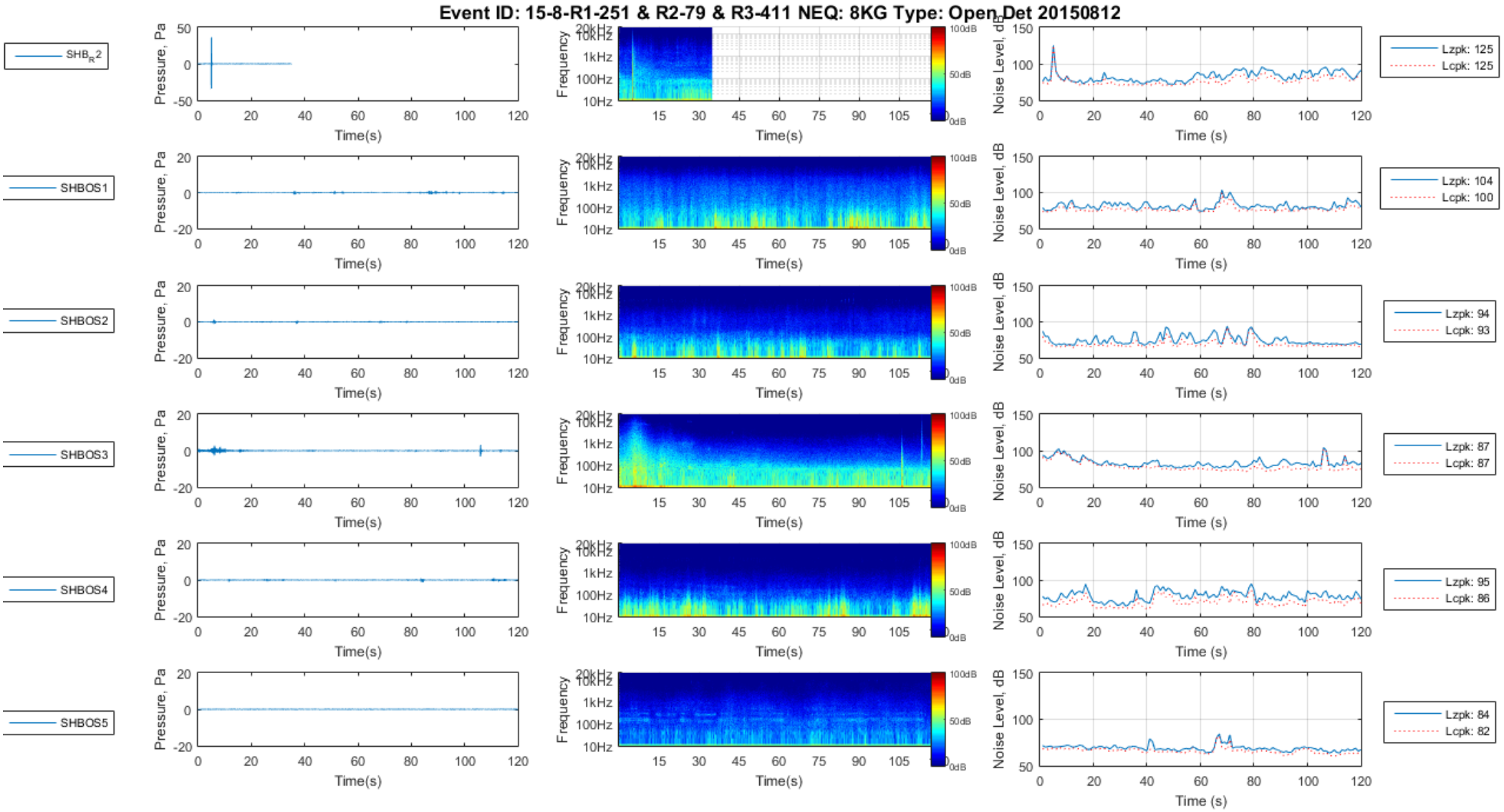
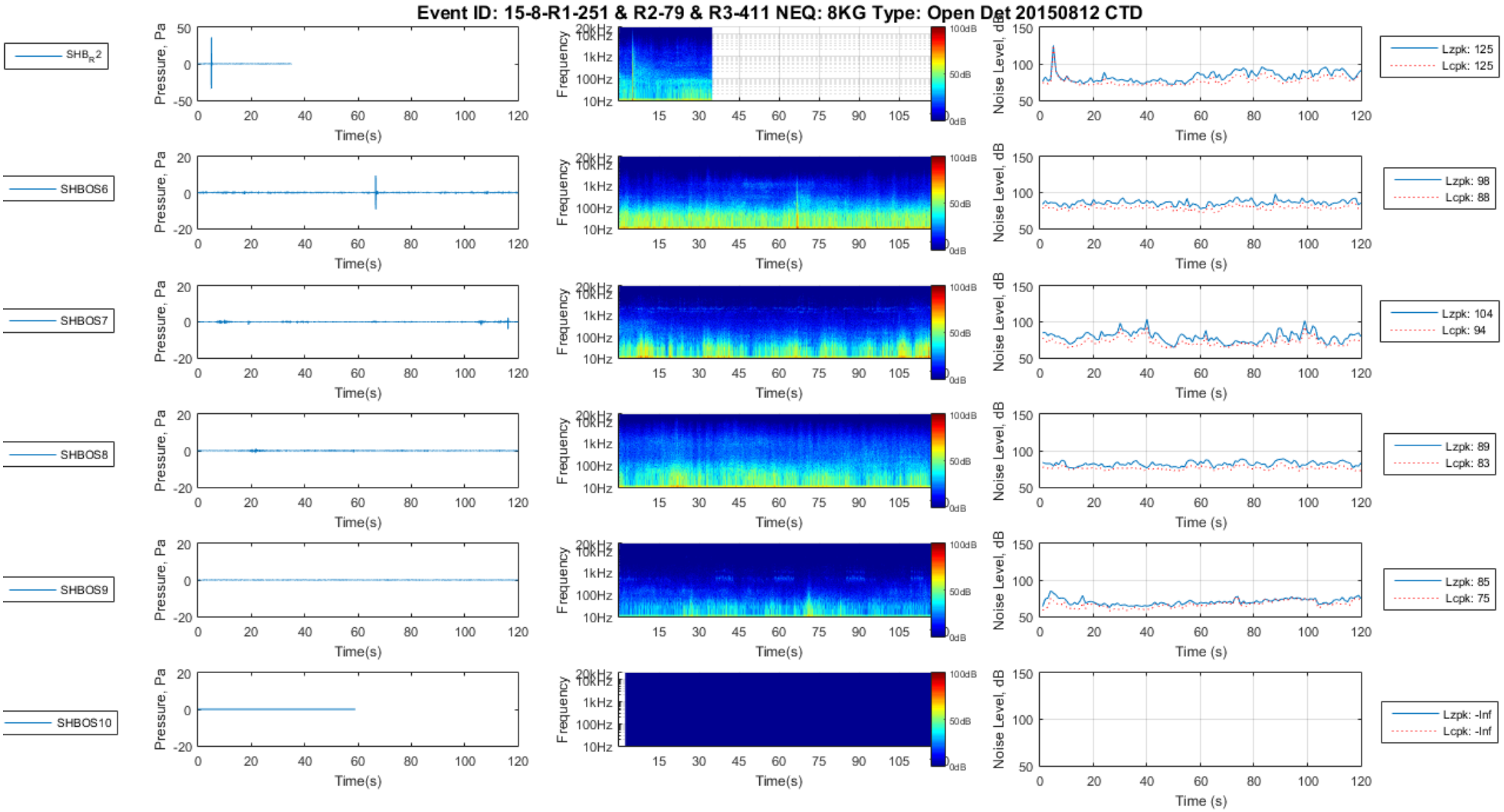


FIGURE 2.580: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-251 & R2-79 & R3-411


Event ID: 15-8-R1-251 & R2-79 & R3-411 NEQ: 8KG Type: Open Det 20150812
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 125
Lcpk: 125
Lzpk: 104
Lcpk: 100
Lzpk: 94
Lcpk: 93
Lzpk: 87
Lcpk: 87
Lzpk: 95
Lcpk: 86
Lzpk: 84
Lcpk: 82


Event ID: 15-8-R1-251 & R2-79 & R3-411 NEQ: 8KG Type: Open Det 20150812 CTD
SHB$_R$2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 125
Lcpk: 125
Lzpk: 98
Lcpk: 88
Lzpk: 104
Lcpk: 94
Lzpk: 89
Lcpk: 83
Lzpk: 85
Lcpk: 75
Lzpk: -Inf
Lcpk: -Inf

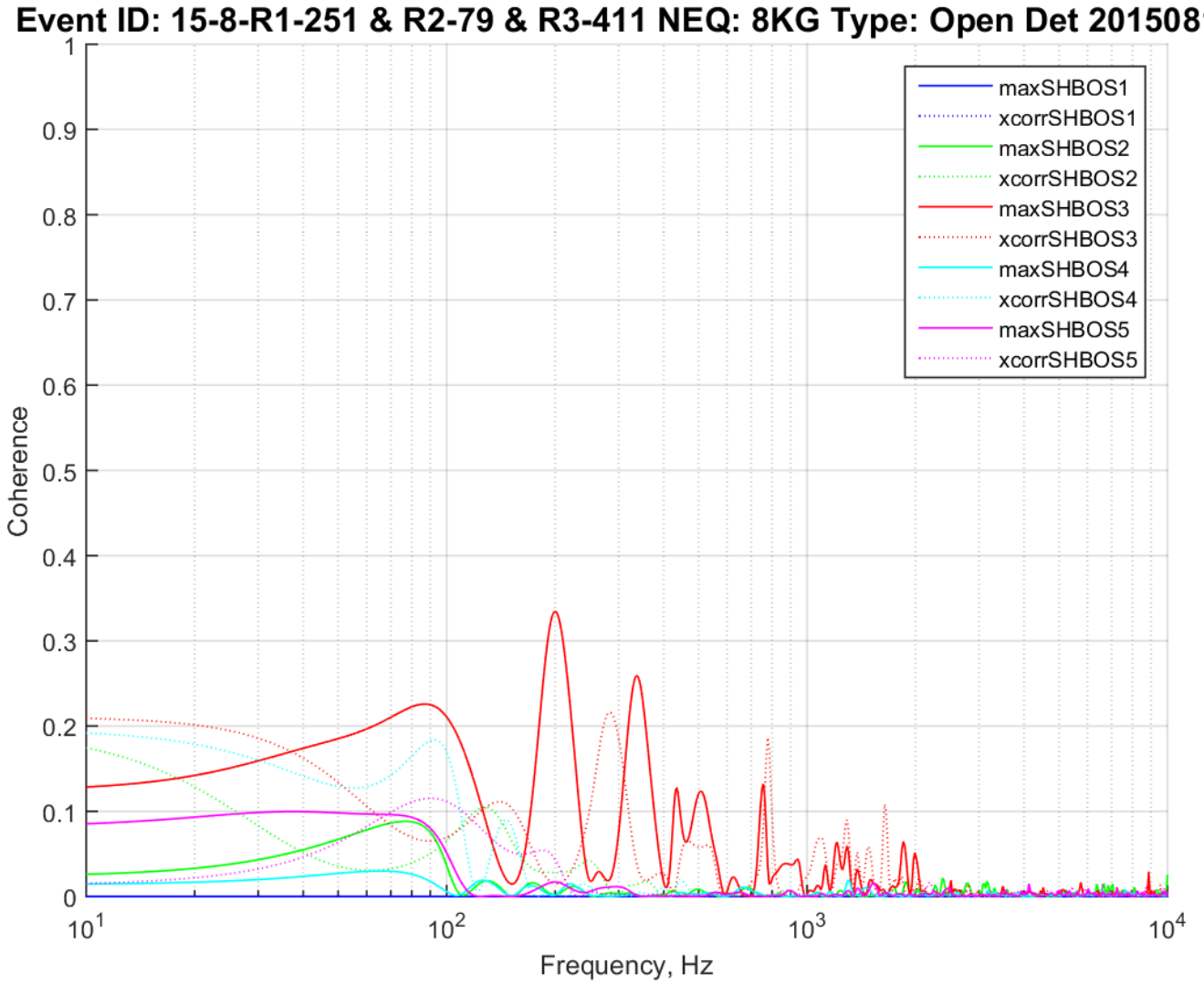


FIGURE 2.583: COHERENCE SHB_OS 1 - 5 15-8-R1-251 & R2-79 & R3-411

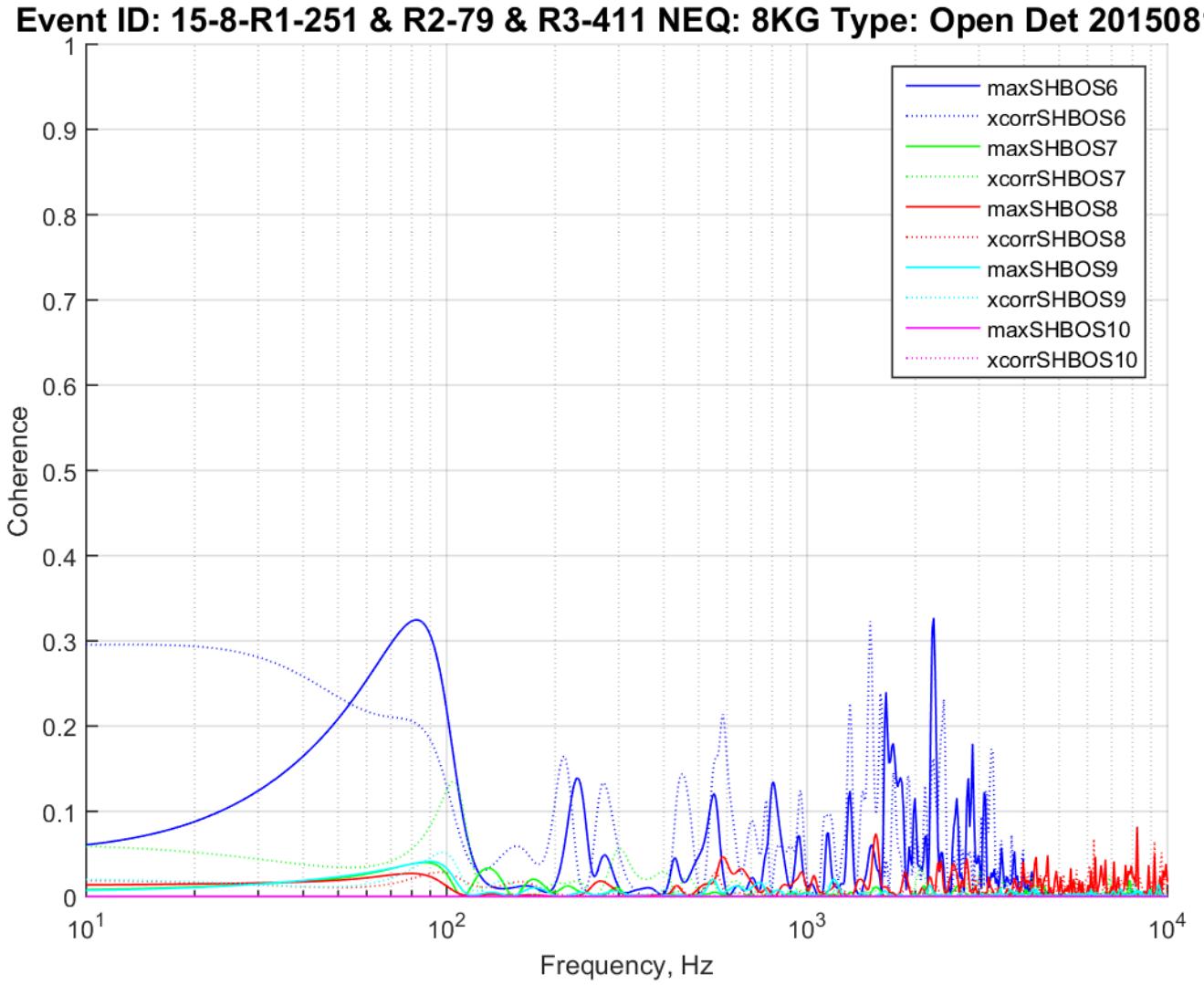


FIGURE 2.584: COHERENCE SHB_OS 6 - 10 15-8-R1-251 & R2-79 & R3-411CTD

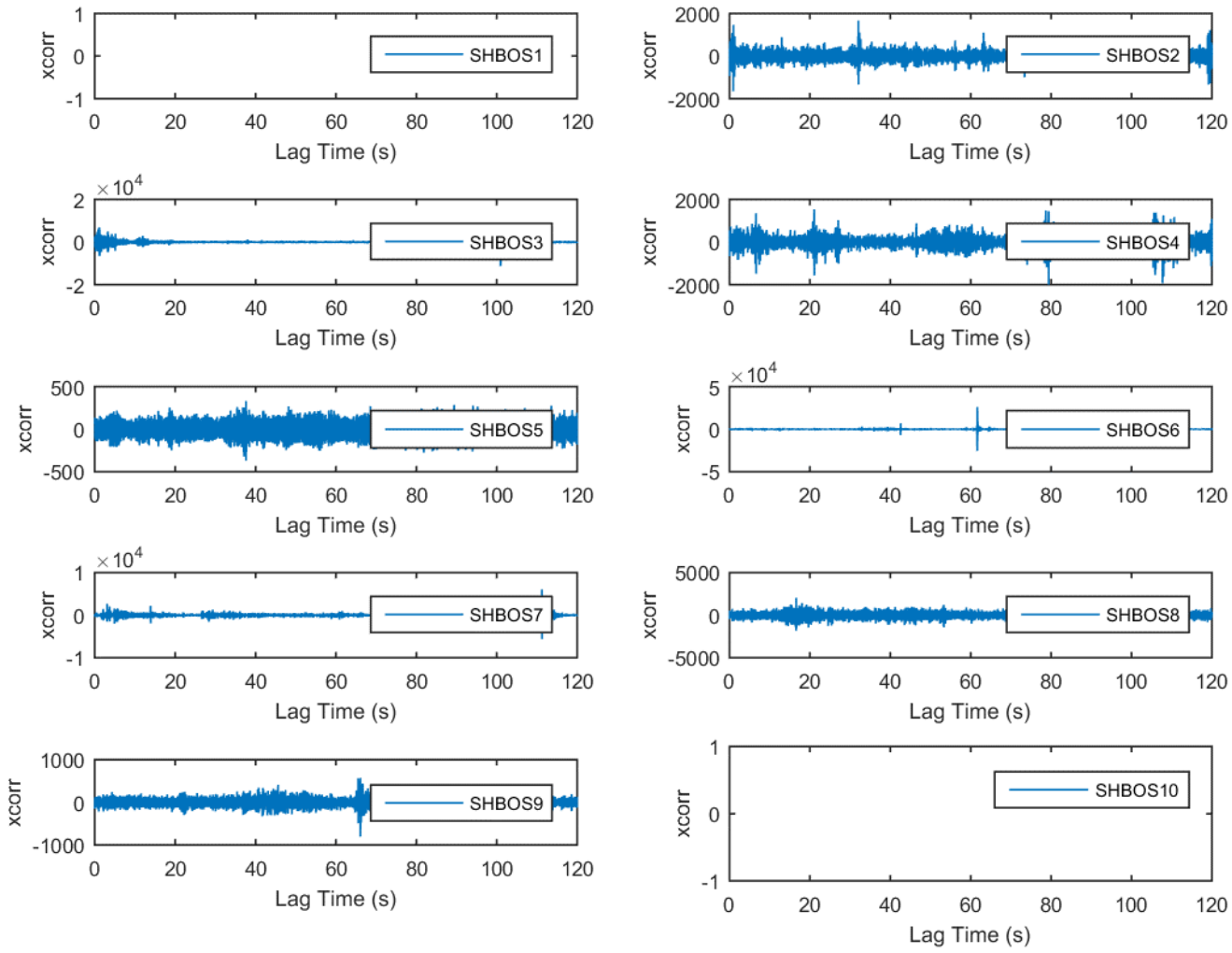
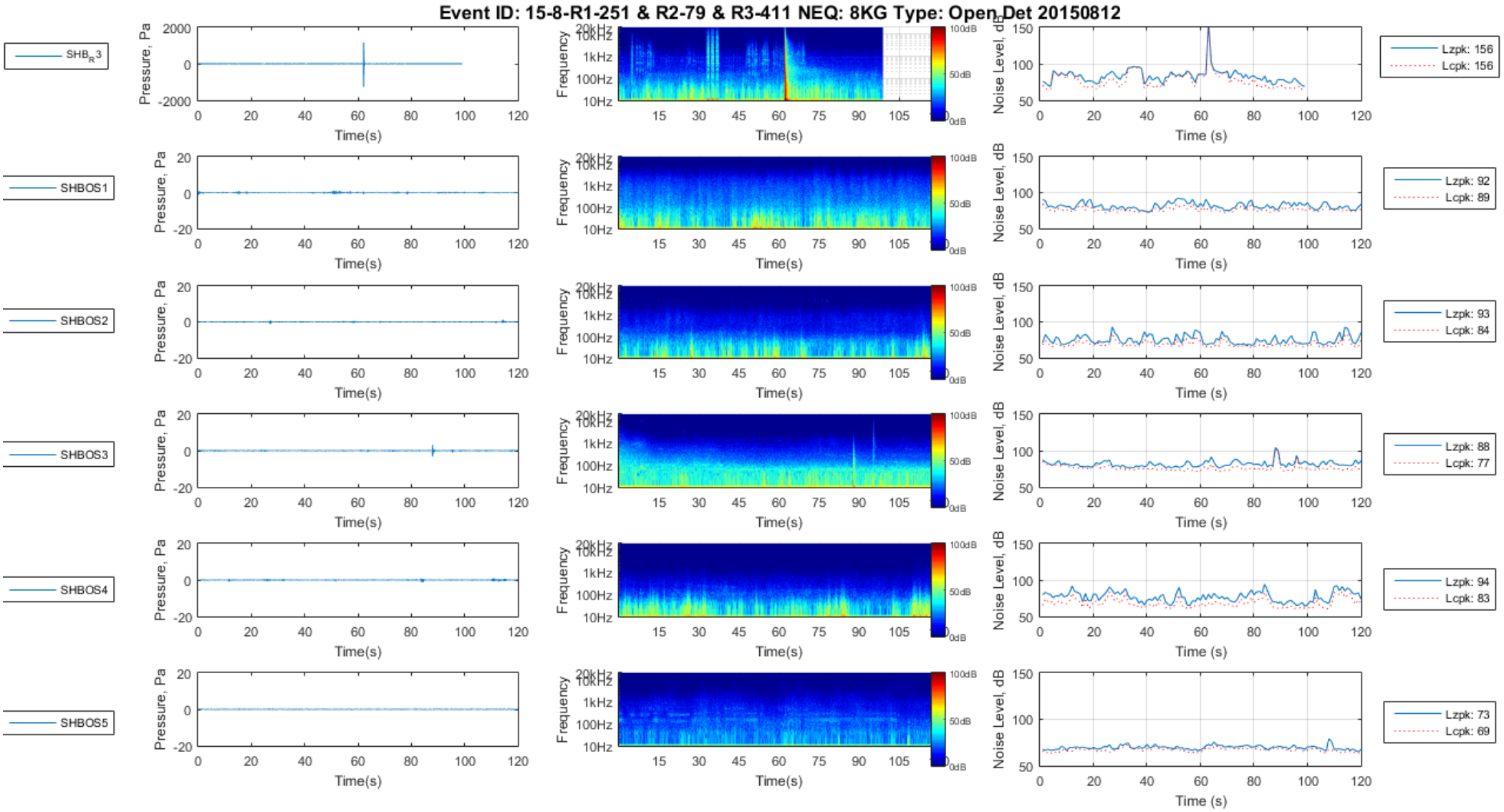
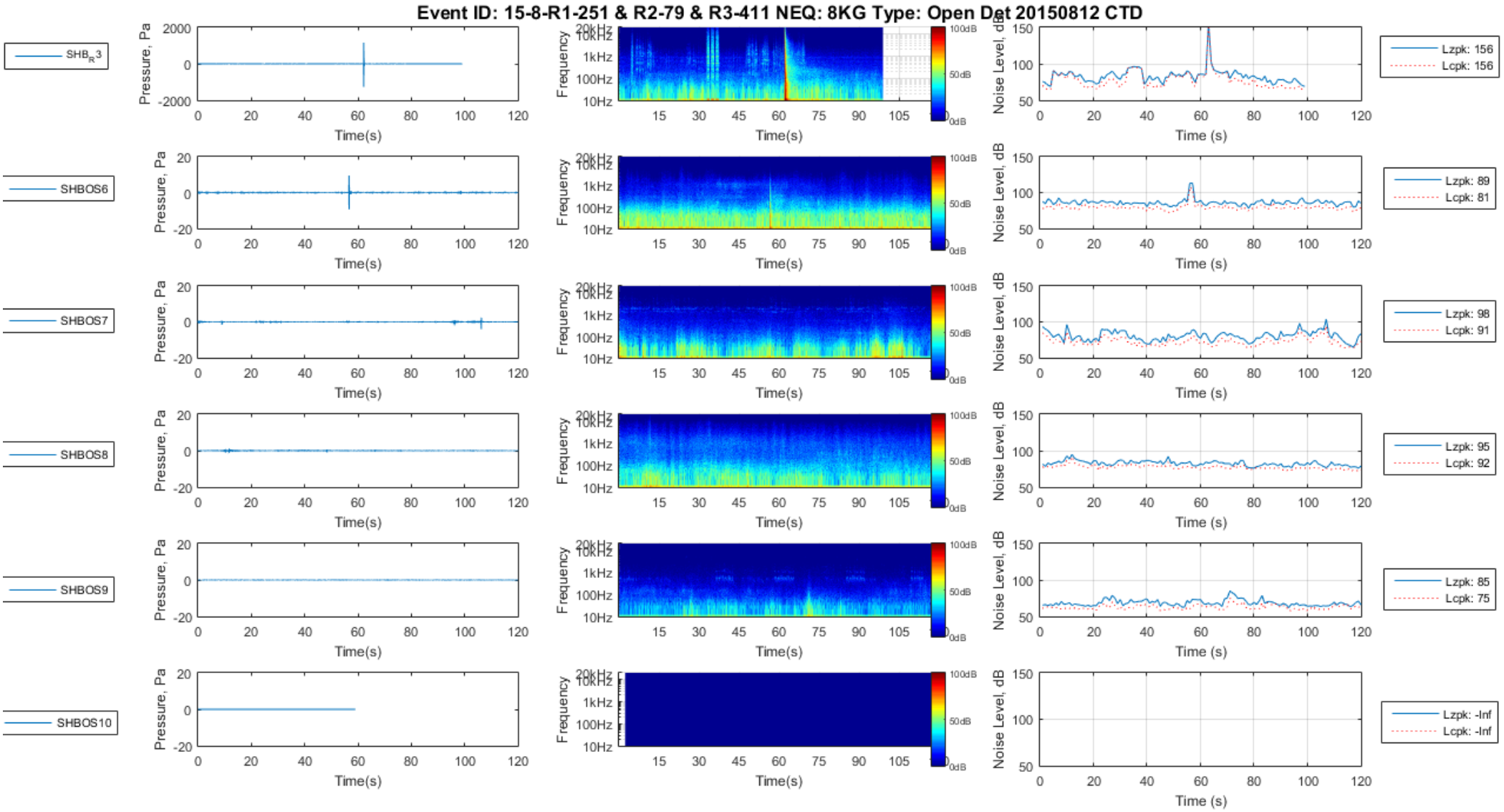


FIGURE 2.585: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-251 & R2-79 & R3-411


Event ID: 15-8-R1-251 & R2-79 & R3-411 NEQ: 8KG Type: Open Det 20150812
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 156
Lcpk: 156
Lzpk: 92
Lcpk: 89
Lzpk: 93
Lcpk: 84
Lzpk: 88
Lcpk: 77
Lzpk: 94
Lcpk: 83
Lzpk: 73
Lcpk: 69


Event ID: 15-8-R1-251 & R2-79 & R3-411 NEQ: 8KG Type: Open Det 20150812 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 156
Lcpk: 156
Lzpk: 89
Lcpk: 81
Lzpk: 98
Lcpk: 91
Lzpk: 95
Lcpk: 92
Lzpk: 85
Lcpk: 75
Lzpk: -Inf
Lcpk: -Inf

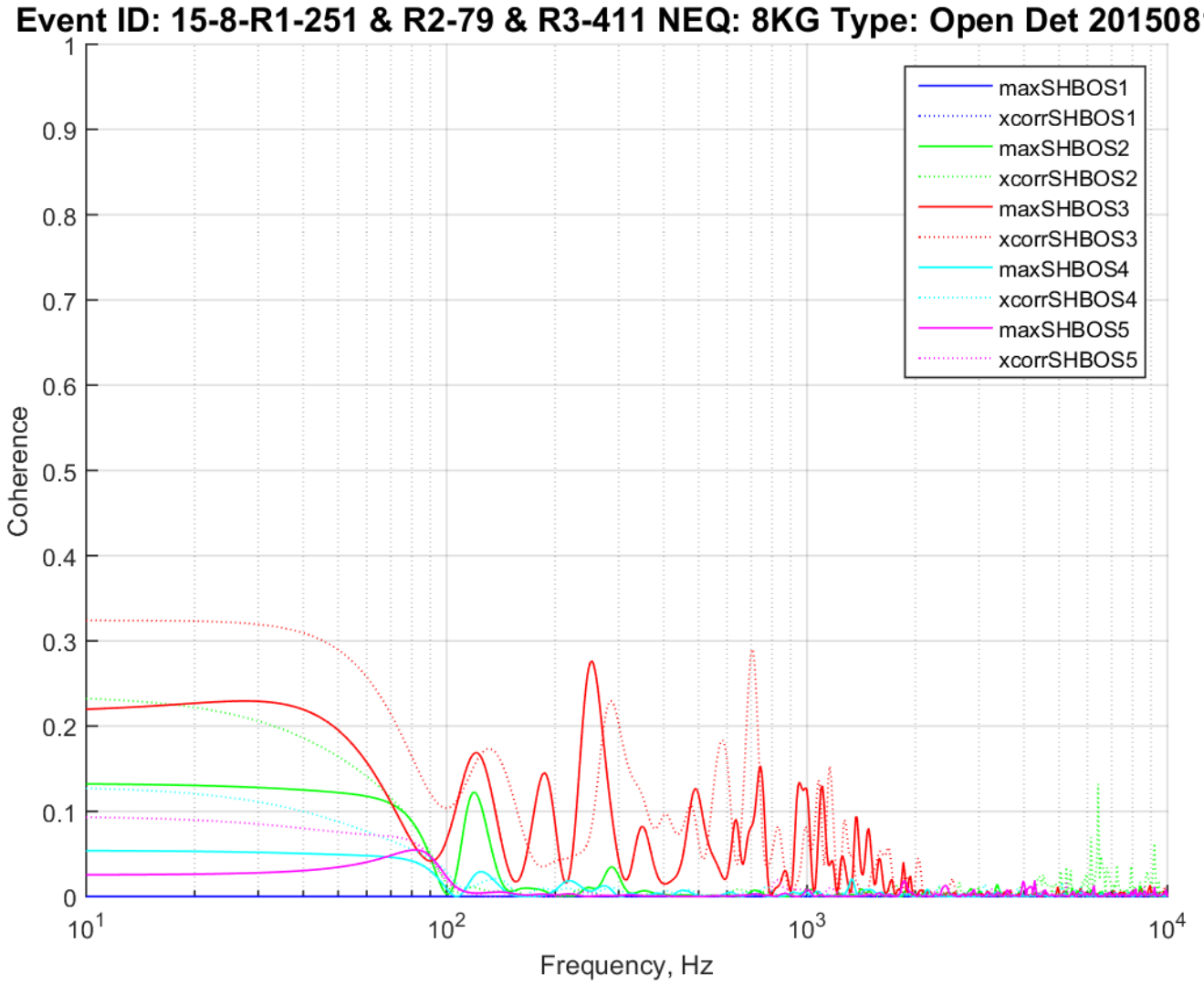


FIGURE 2.588: COHERENCE SHB_OS 1 - 5 15-8-R1-251 & R2-79 & R3-411

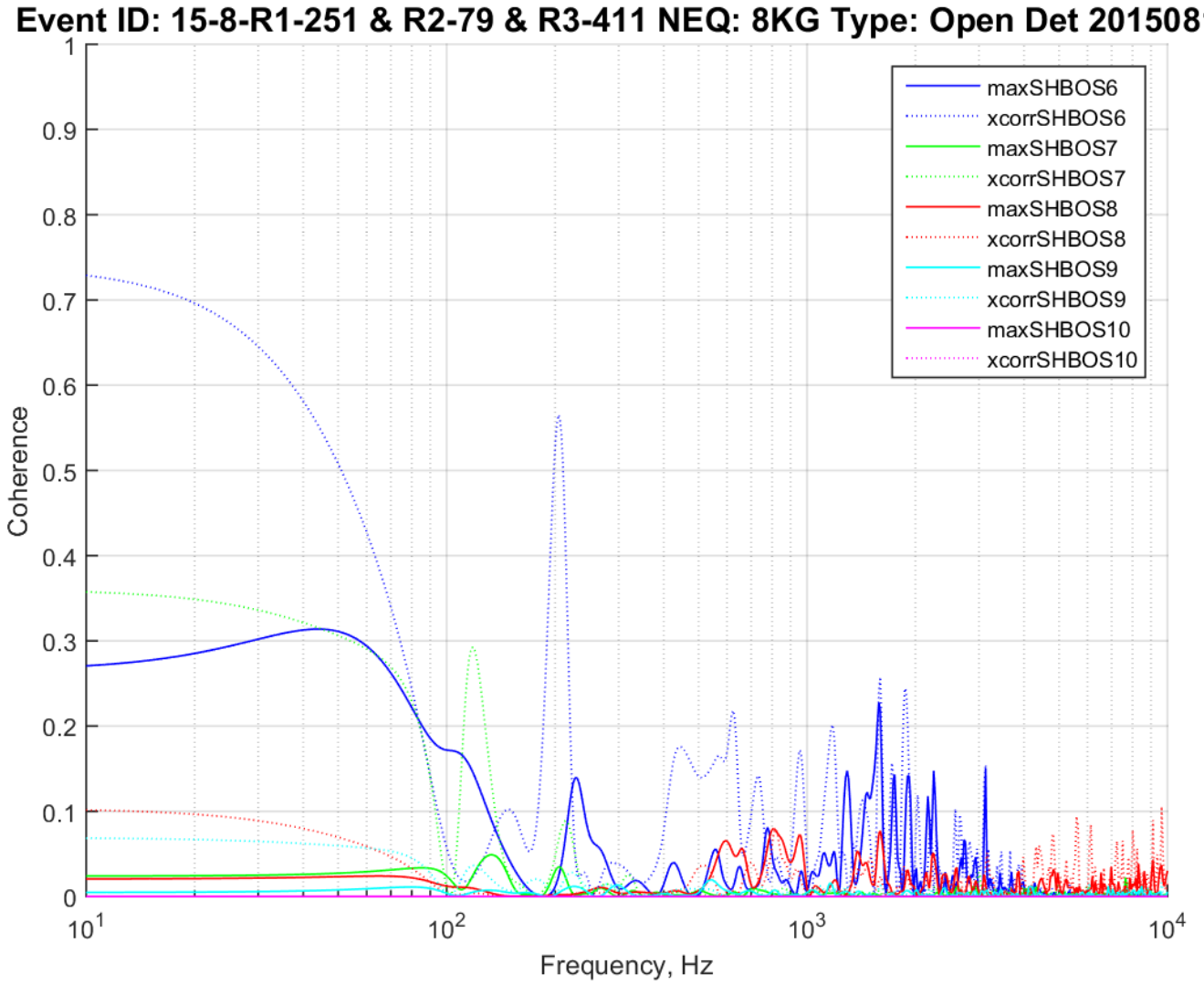


FIGURE 2.589: COHERENCE SHB_OS 6 - 10 15-8-R1-251 & R2-79 & R3-411CTD

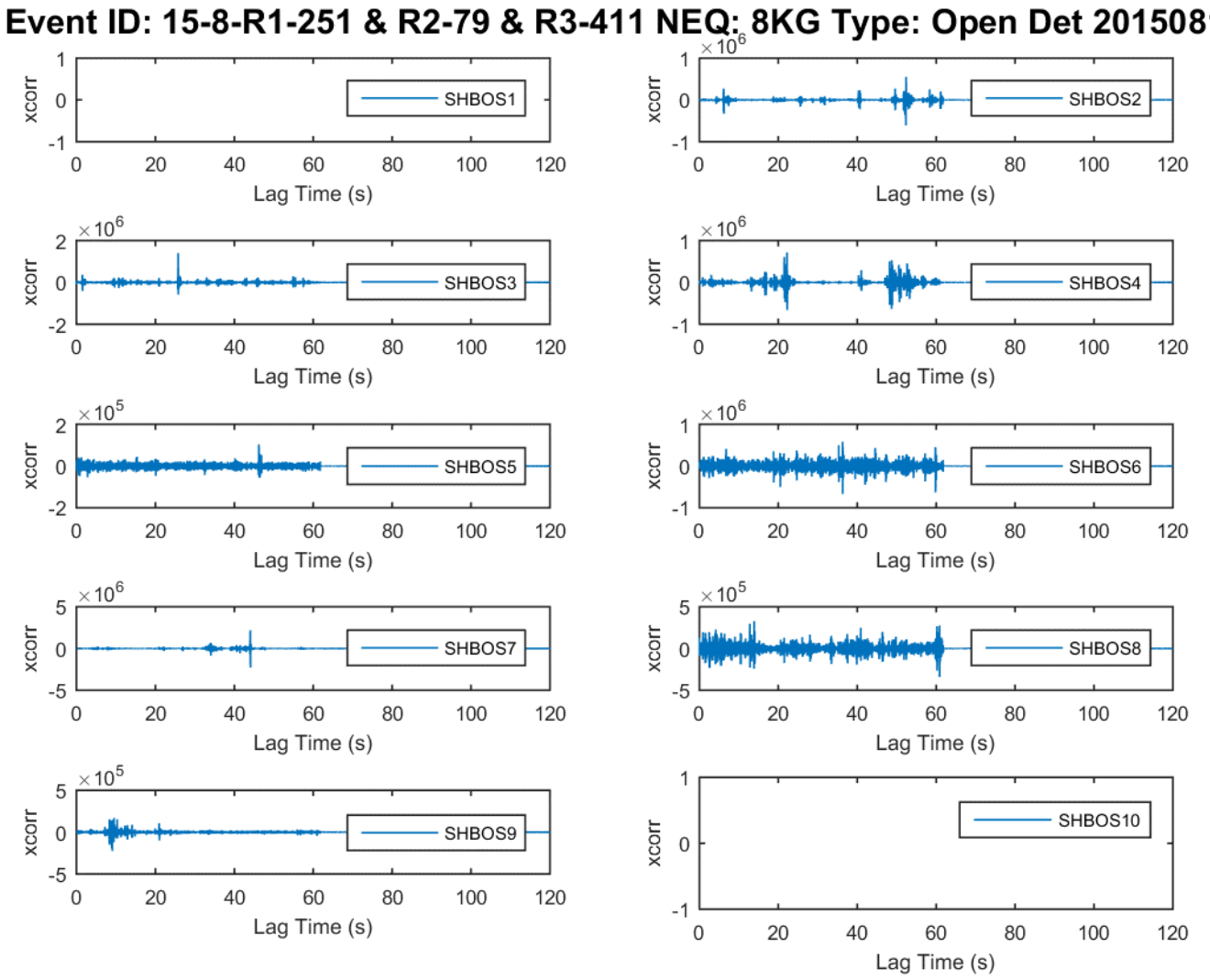


FIGURE 2.590: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-251 & R2-79 & R3-411

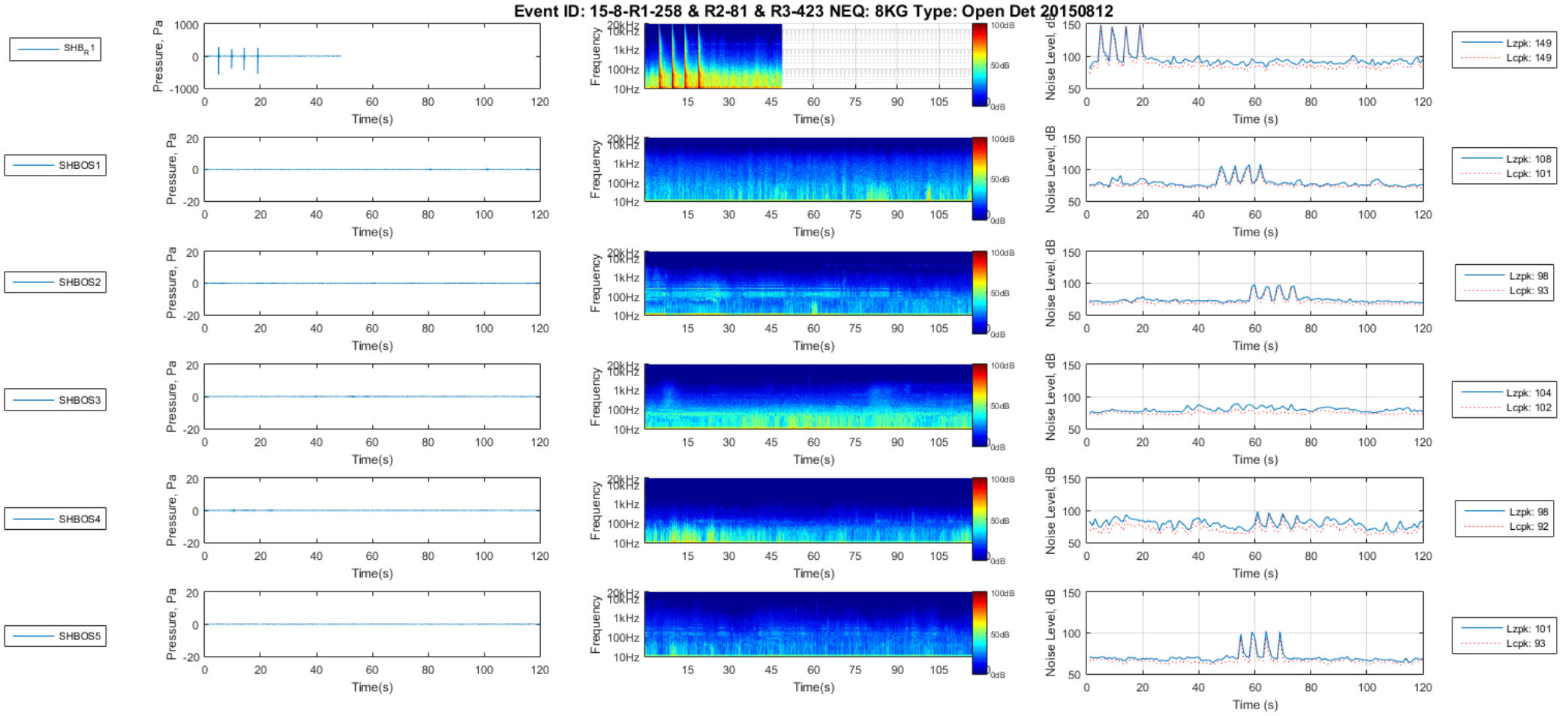


FIGURE 2.591: SHB_OS 1 - 5 15-8-R1-258 & R2-81 & R3-423

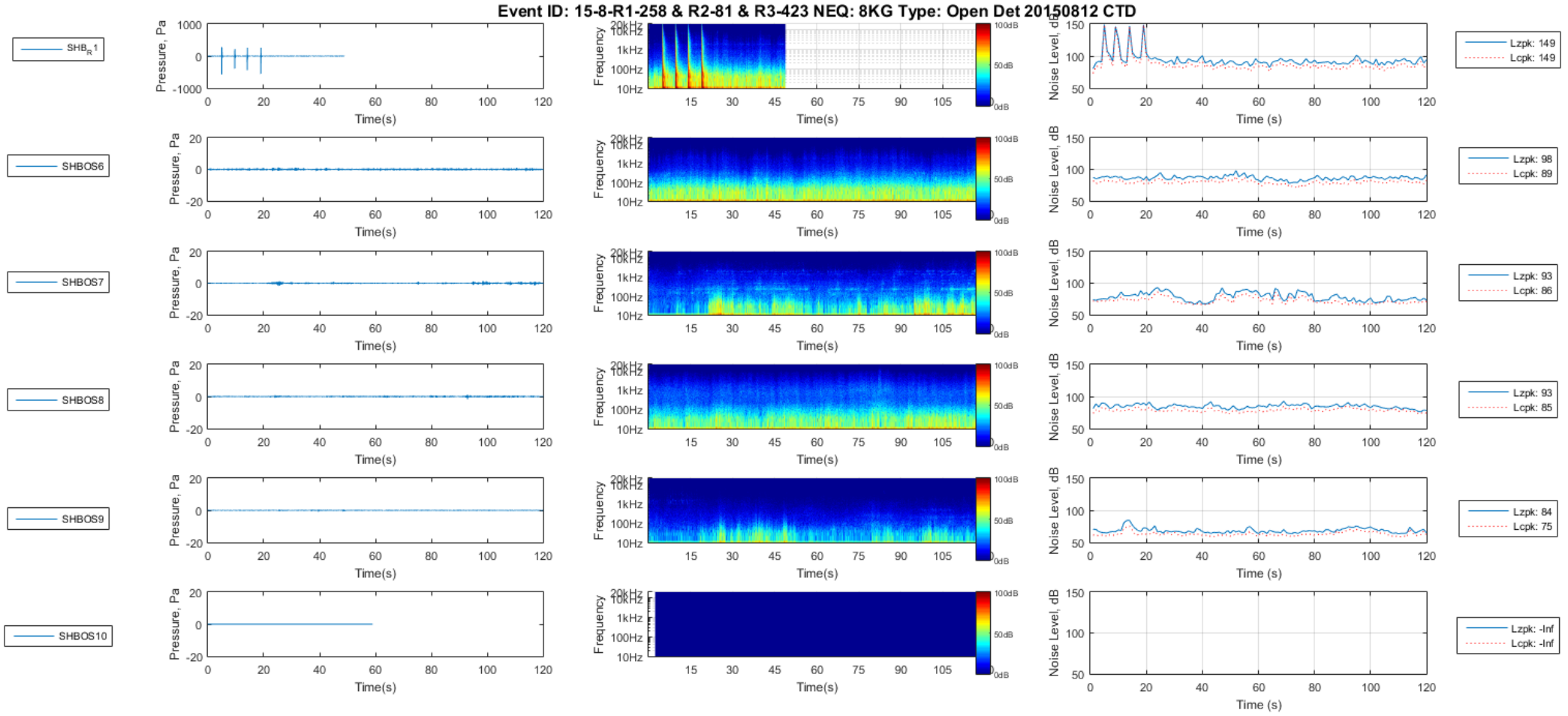


FIGURE 2.592: SHB_OS 6 - 10 15-8-R1-258 & R2-81 & R3-423

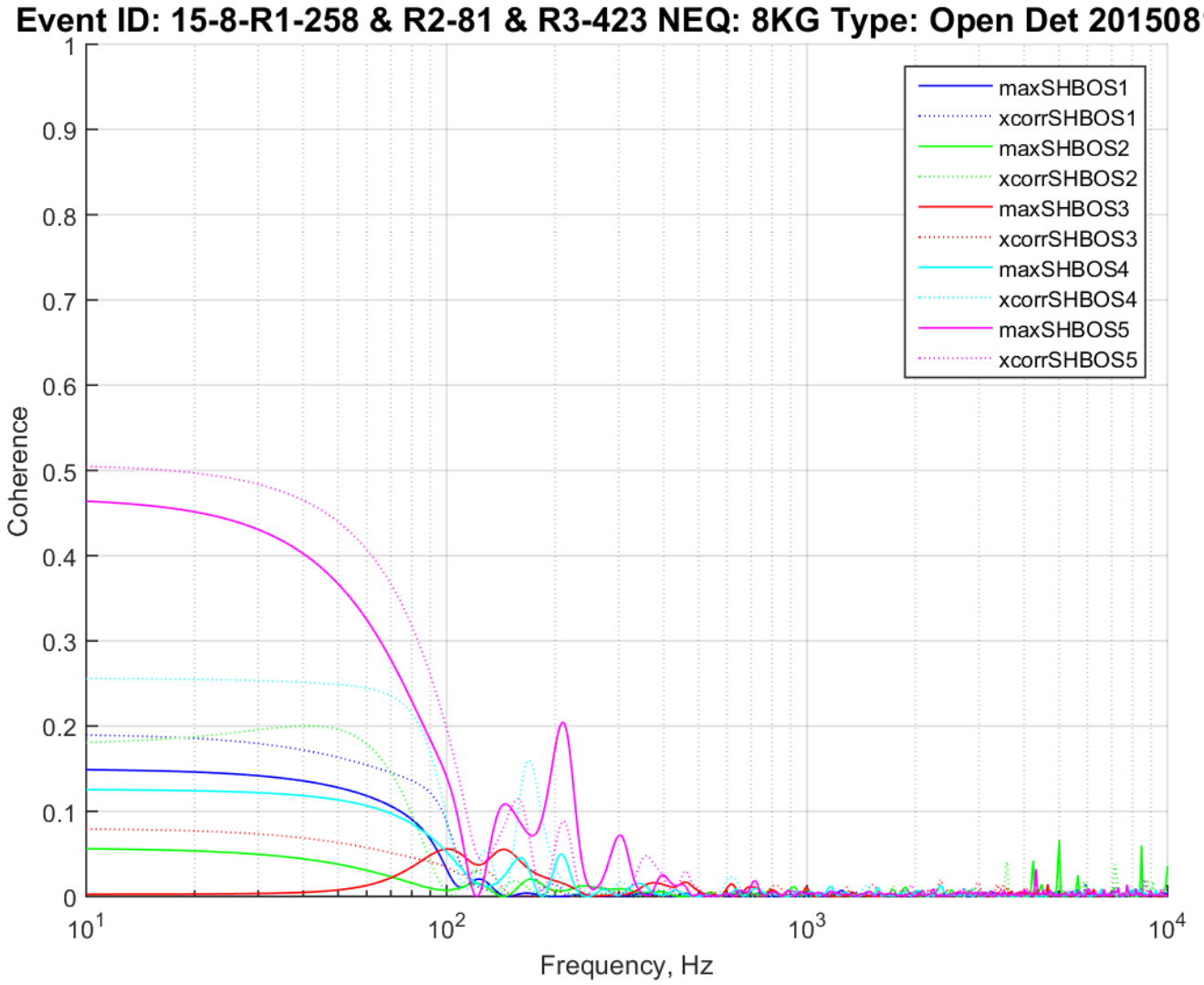


FIGURE 2.593: COHERENCE SHB_OS 1 - 5 15-8-R1-258 & R2-81 & R3-423

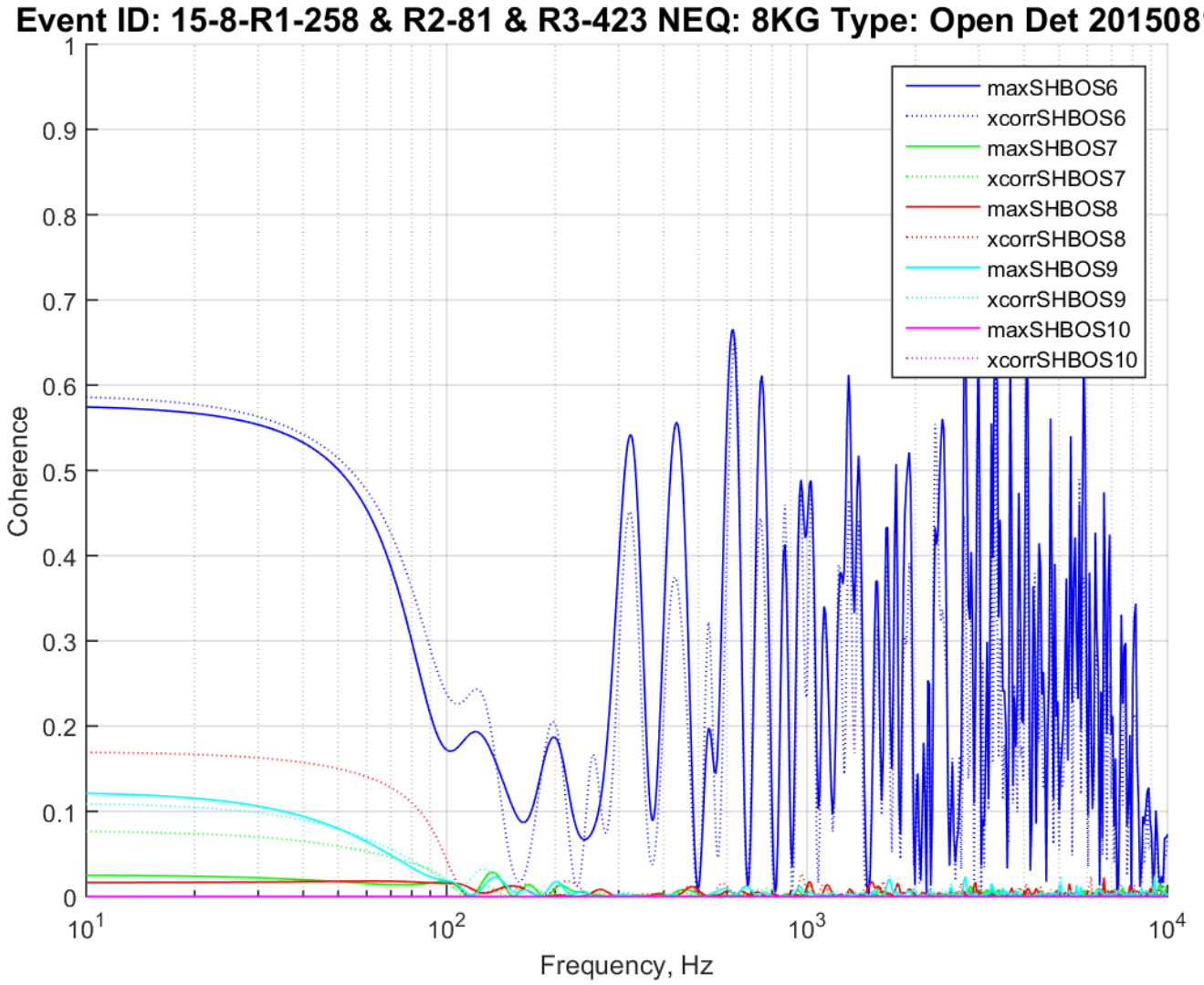


FIGURE 2.594: COHERENCE SHB_OS 6 - 10 15-8-R1-258 & R2-81 & R3-423CTD

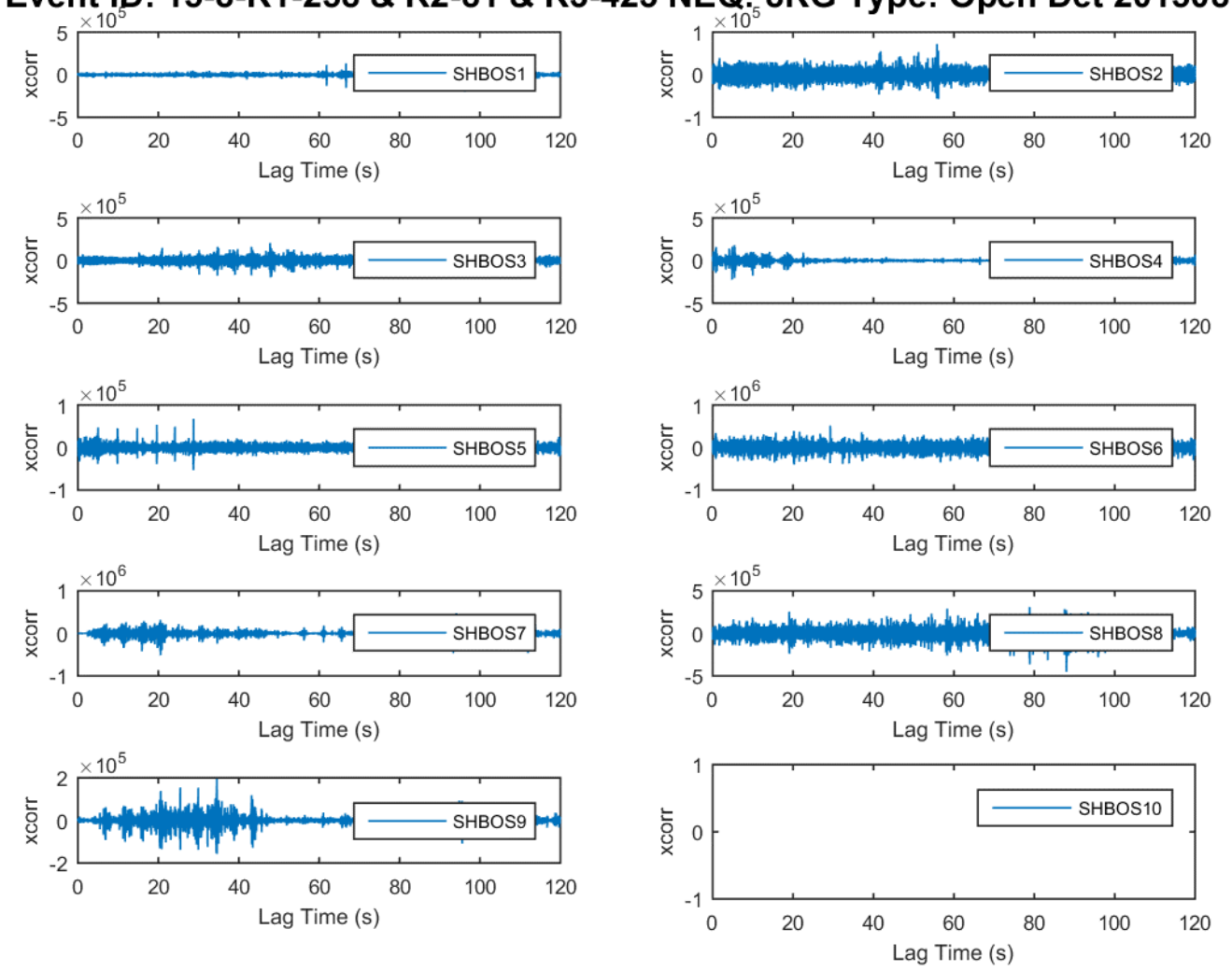
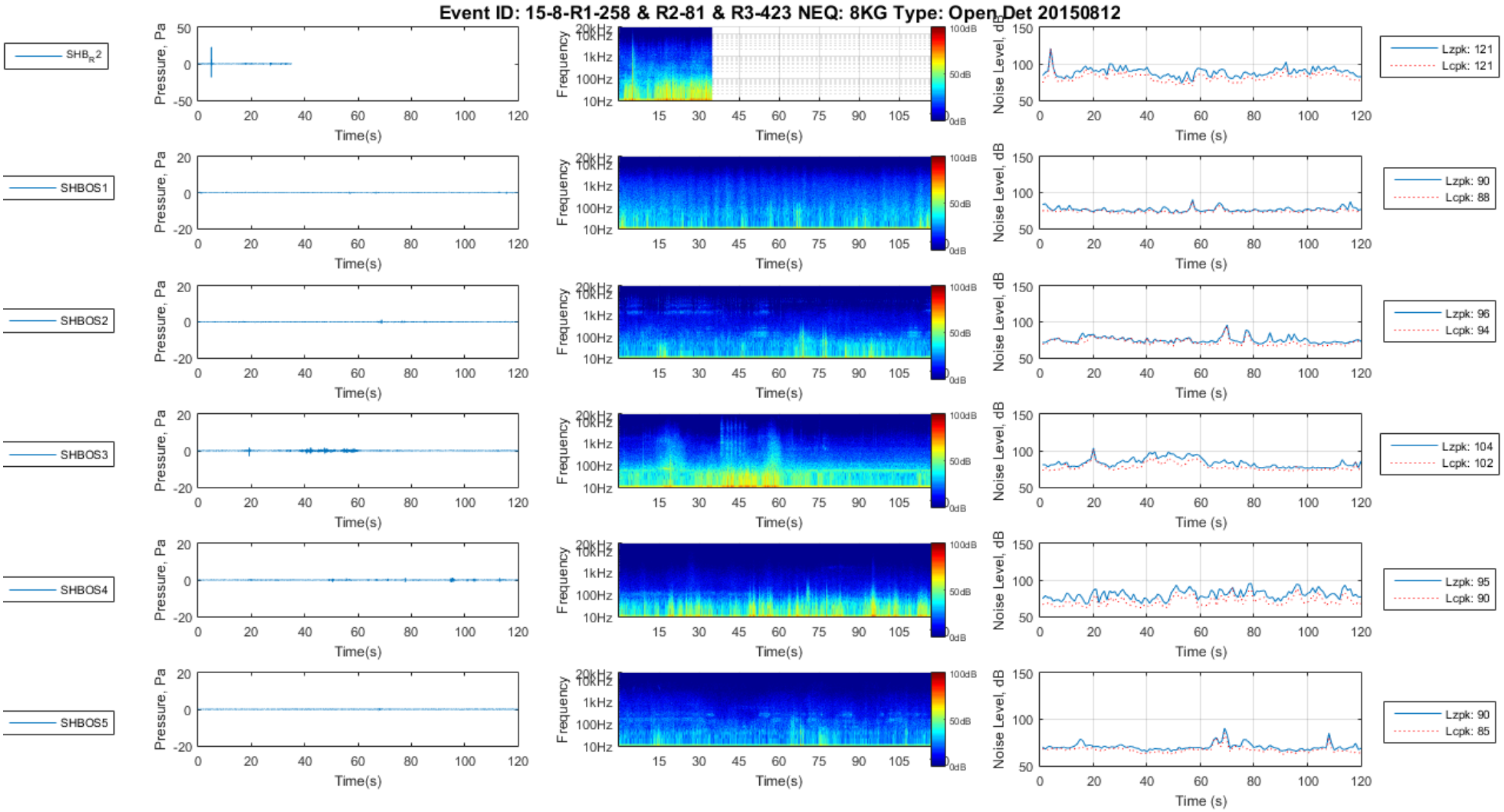
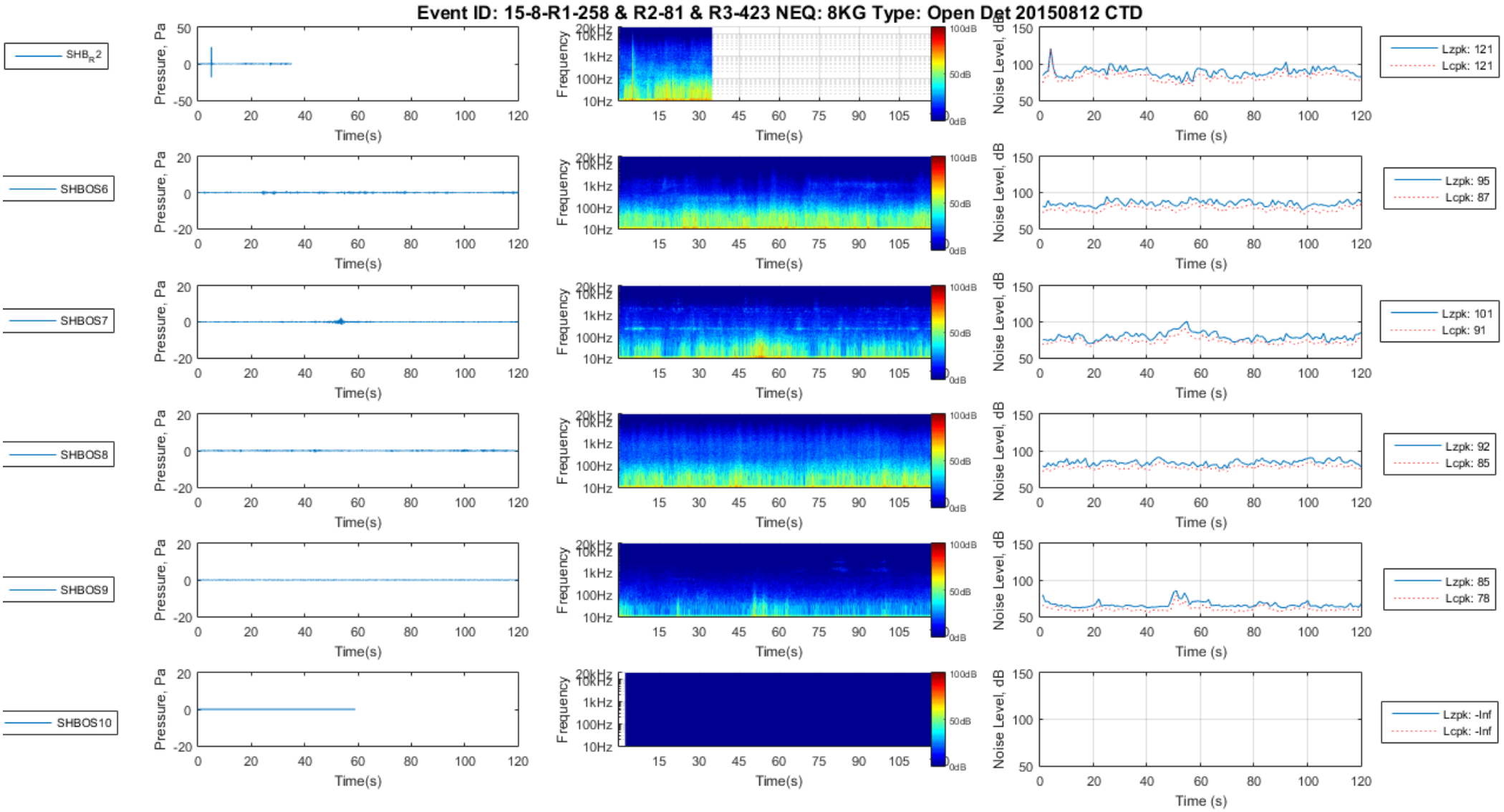


FIGURE 2.595: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-258 & R2-81 & R3-423


Event ID: 15-8-R1-258 & R2-81 & R3-423 NEQ: 8KG Type: Open Det 20150812
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 121
Lcpk: 121
Lzpk: 90
Lcpk: 88
Lzpk: 96
Lcpk: 94
Lzpk: 104
Lcpk: 102
Lzpk: 95
Lcpk: 90
Lzpk: 90
Lcpk: 85


Event ID: 15-8-R1-258 & R2-81 & R3-423 NEQ: 8KG Type: Open Det 20150812 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 121
Lcpk: 121
Lzpk: 95
Lcpk: 87
Lzpk: 101
Lcpk: 91
Lzpk: 92
Lcpk: 85
Lzpk: 85
Lcpk: 78
Lzpk: -Inf
Lcpk: -Inf

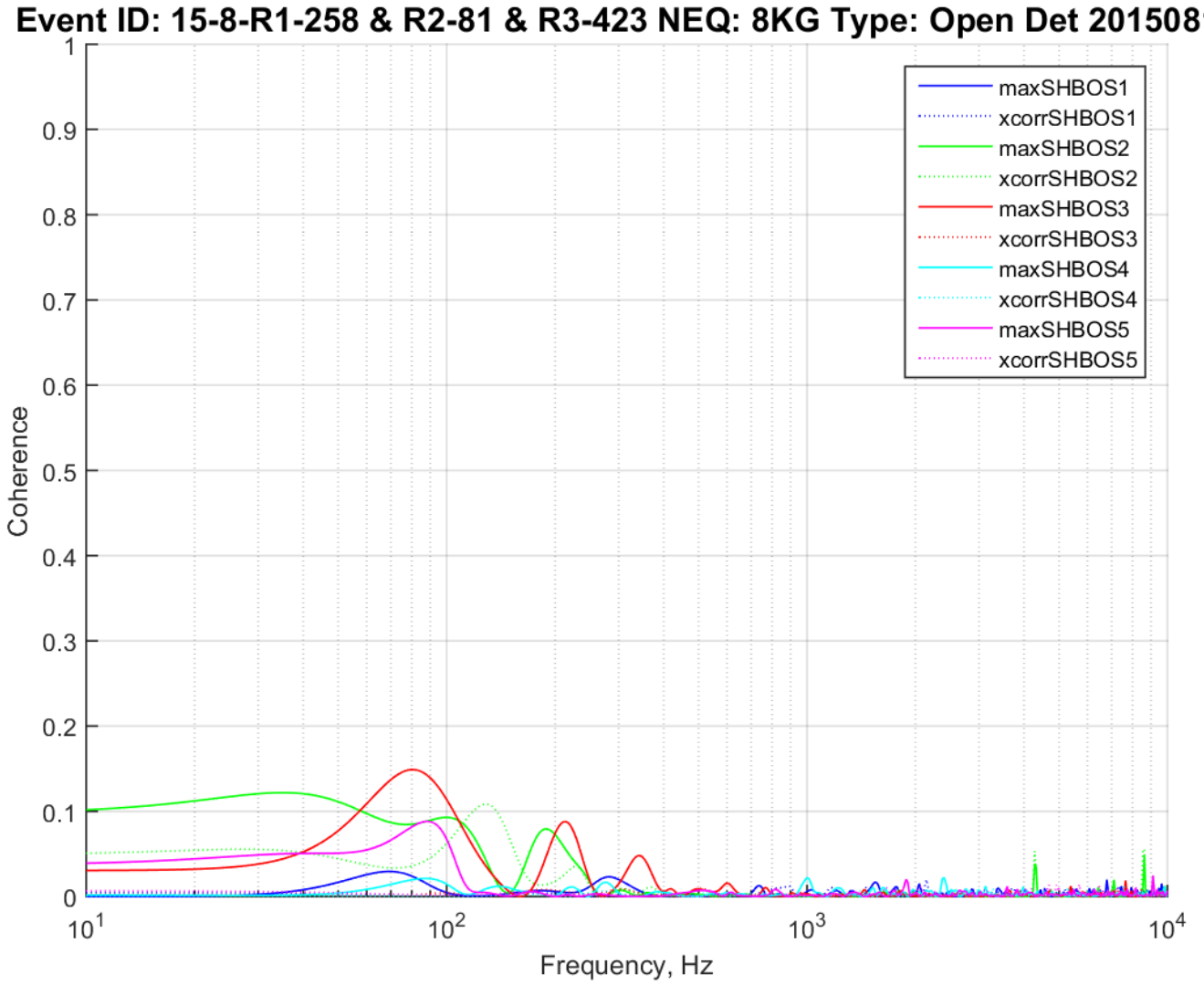


FIGURE 2.598: COHERENCE SHB_OS 1 - 5 15-8-R1-258 & R2-81 & R3-423

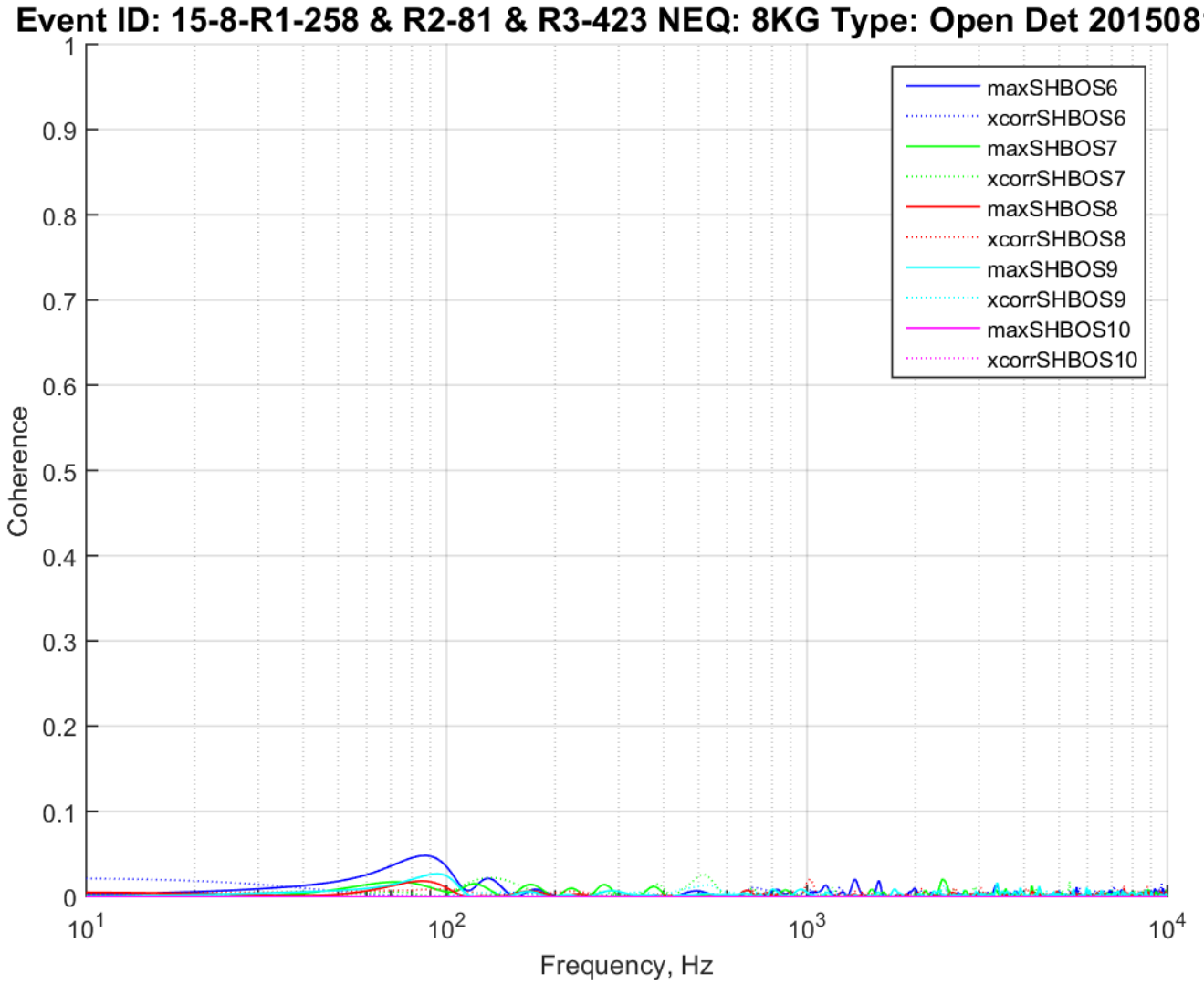


FIGURE 2.599: COHERENCE SHB_OS 6 - 10 15-8-R1-258 & R2-81 & R3-423CTD

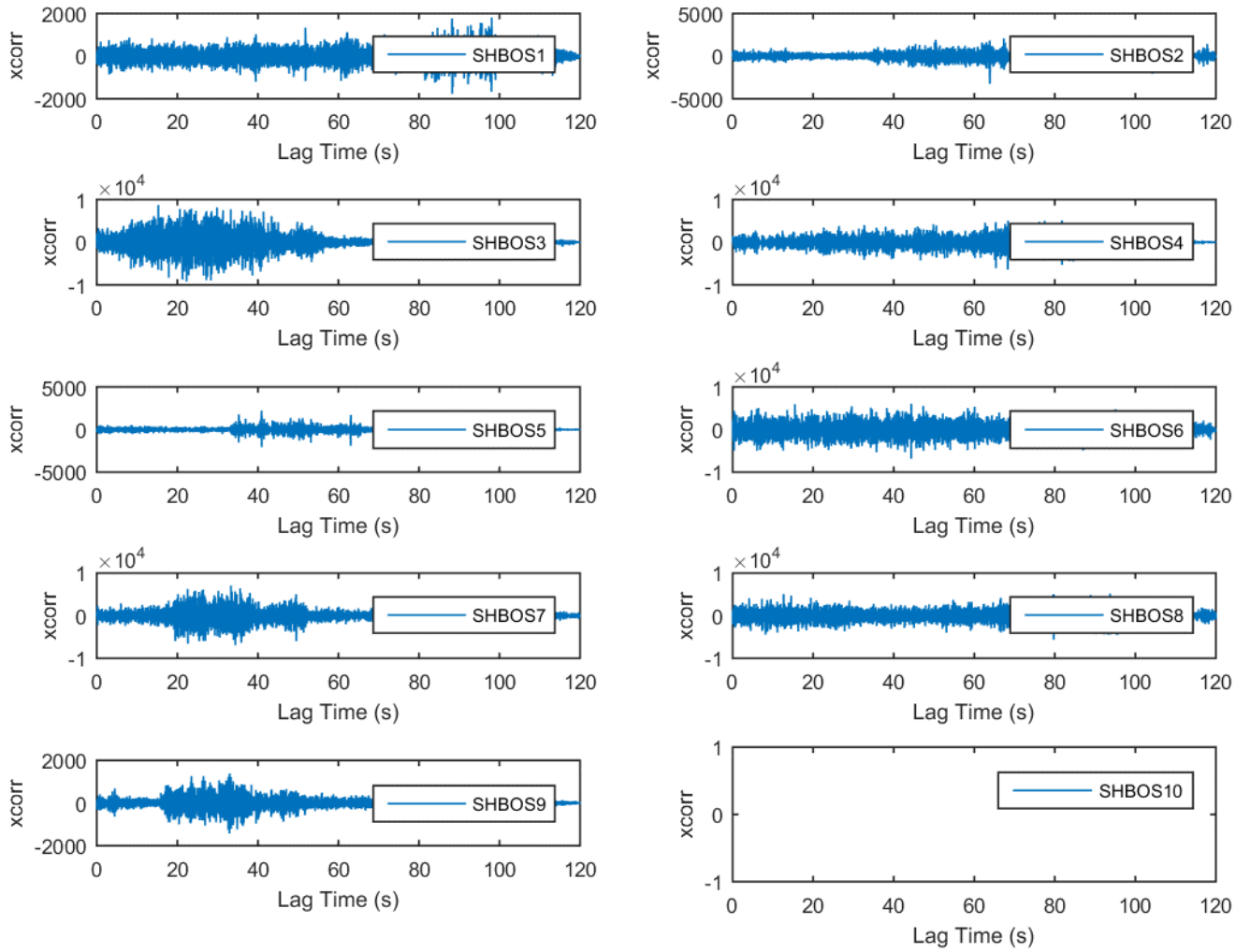
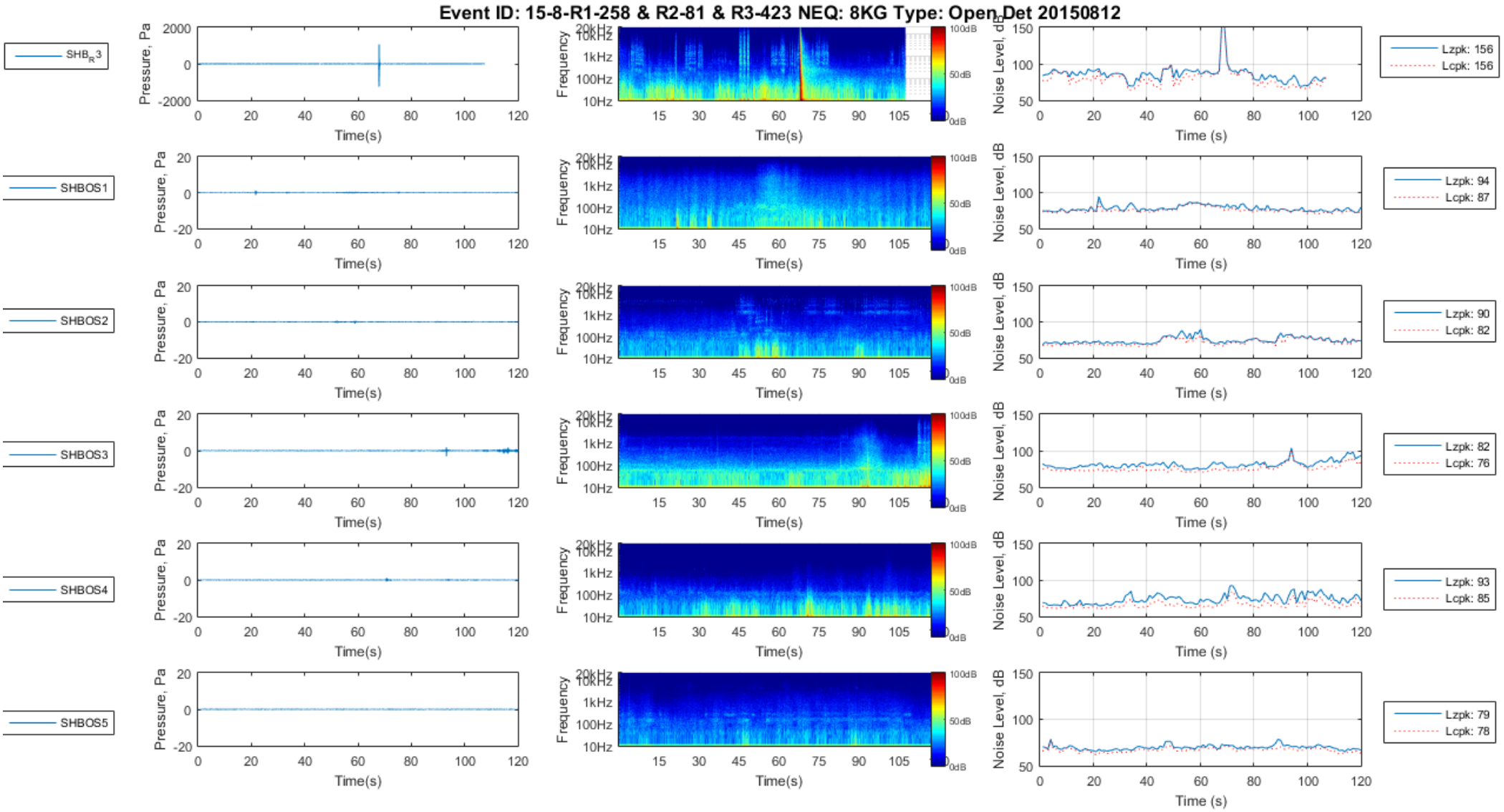
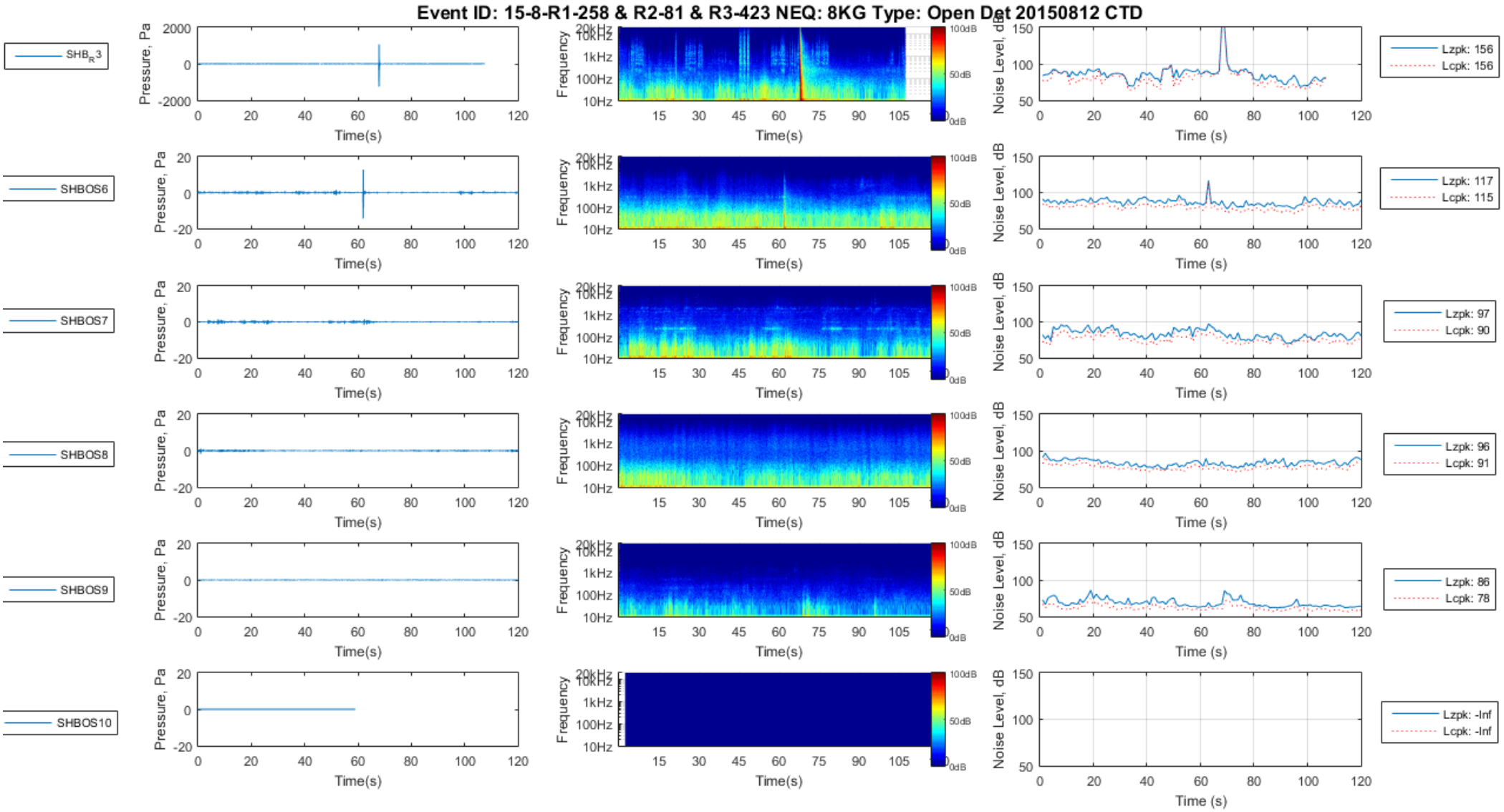


FIGURE 2.600: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-258 & R2-81 & R3-423


Event ID: 15-8-R1-258 & R2-81 & R3-423 NEQ: 8KG Type: Open Det 20150812
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 156
Lcpk: 156
Lzpk: 94
Lcpk: 87
Lzpk: 90
Lcpk: 82
Lzpk: 82
Lcpk: 76
Lzpk: 93
Lcpk: 85
Lzpk: 79
Lcpk: 78


Event ID: 15-8-R1-258 & R2-81 & R3-423 NEQ: 8KG Type: Open Det 20150812 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 156
Lcpk: 156
Lzpk: 117
Lcpk: 115
Lzpk: 97
Lcpk: 90
Lzpk: 96
Lcpk: 91
Lzpk: 86
Lcpk: 78
Lzpk: -Inf
Lcpk: -Inf

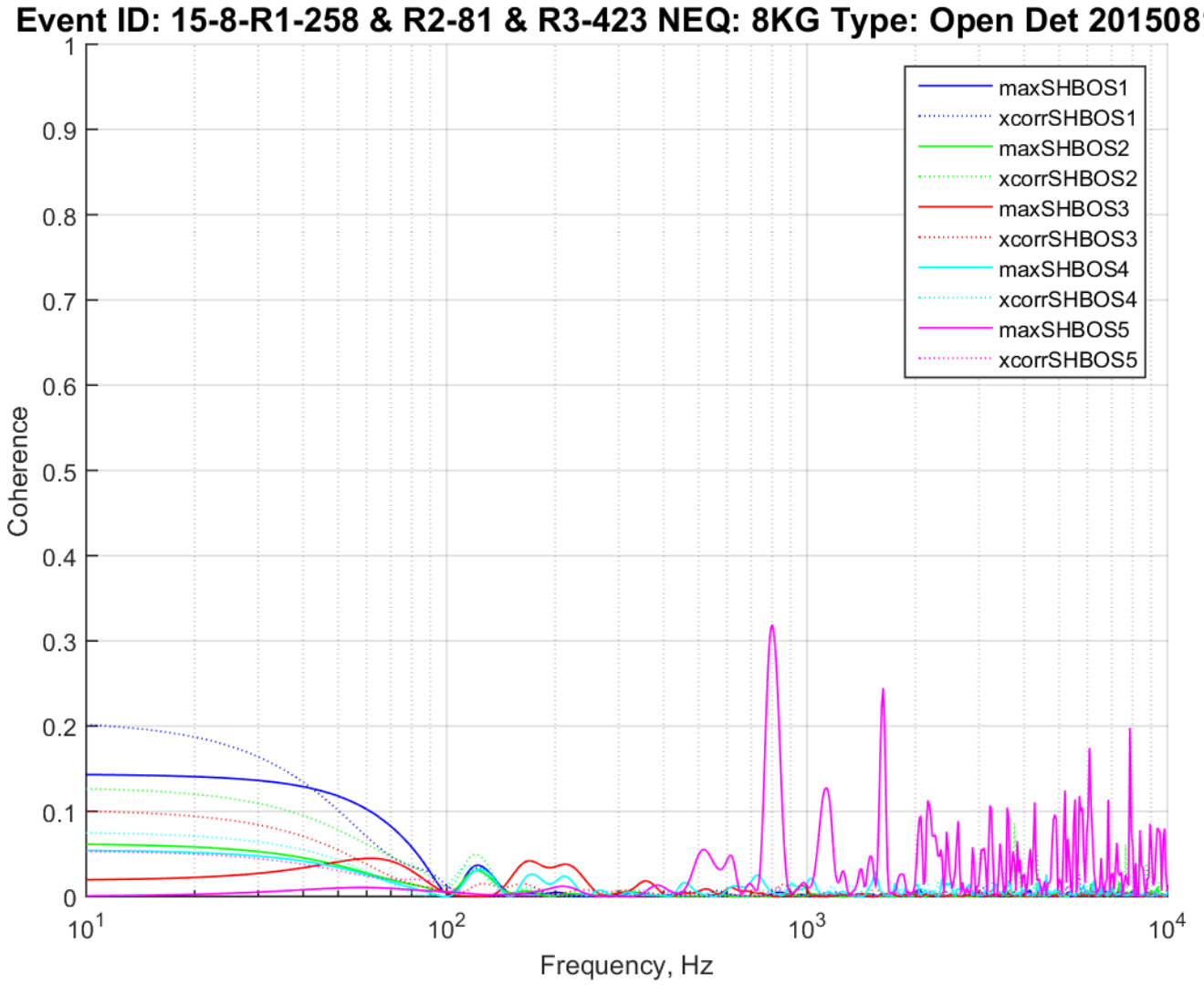


FIGURE 2.603: COHERENCE SHB_OS 1 - 5 15-8-R1-258 & R2-81 & R3-423

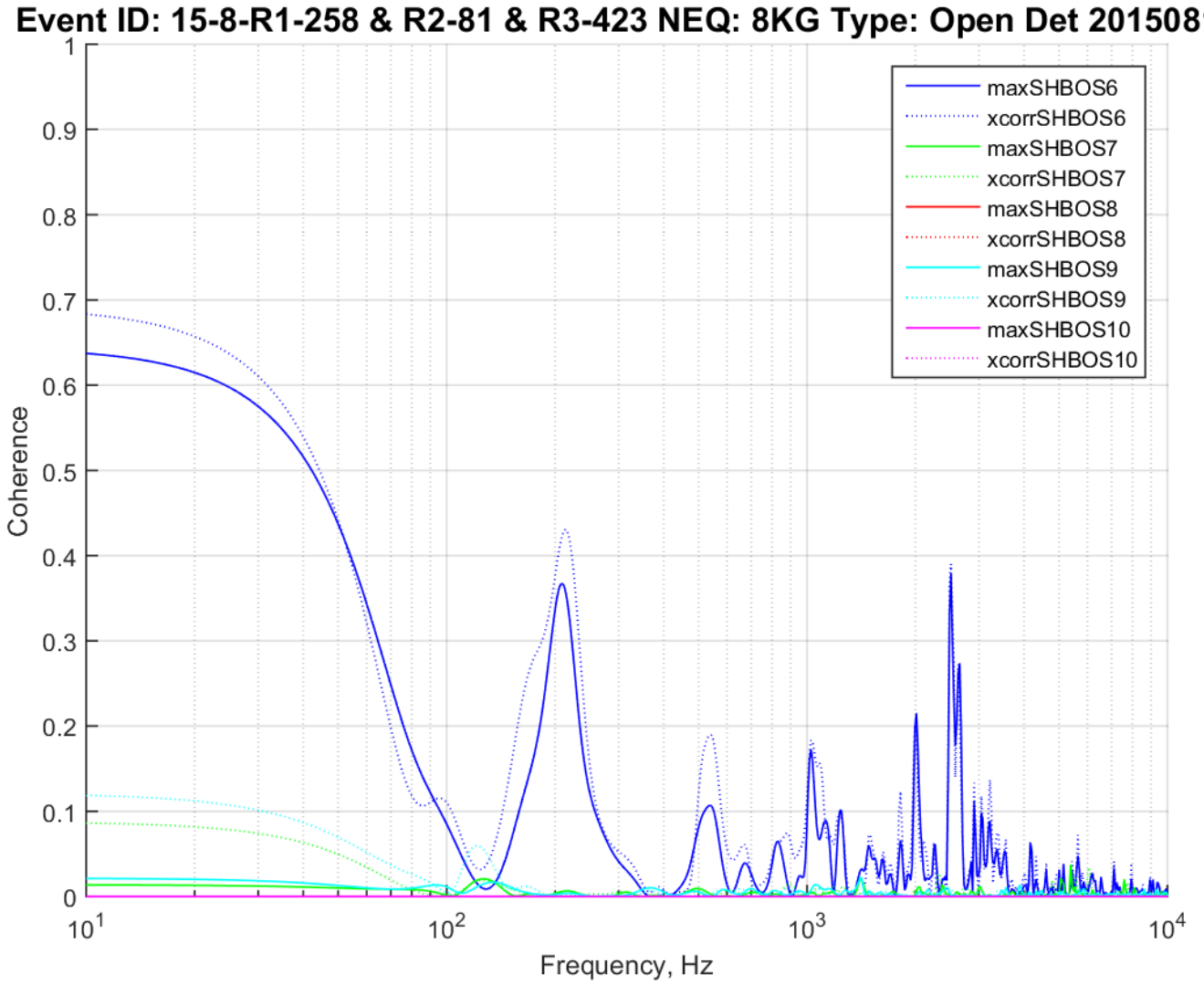


FIGURE 2.604: COHERENCE SHB_OS 6 - 10 15-8-R1-258 & R2-81 & R3-423CTD

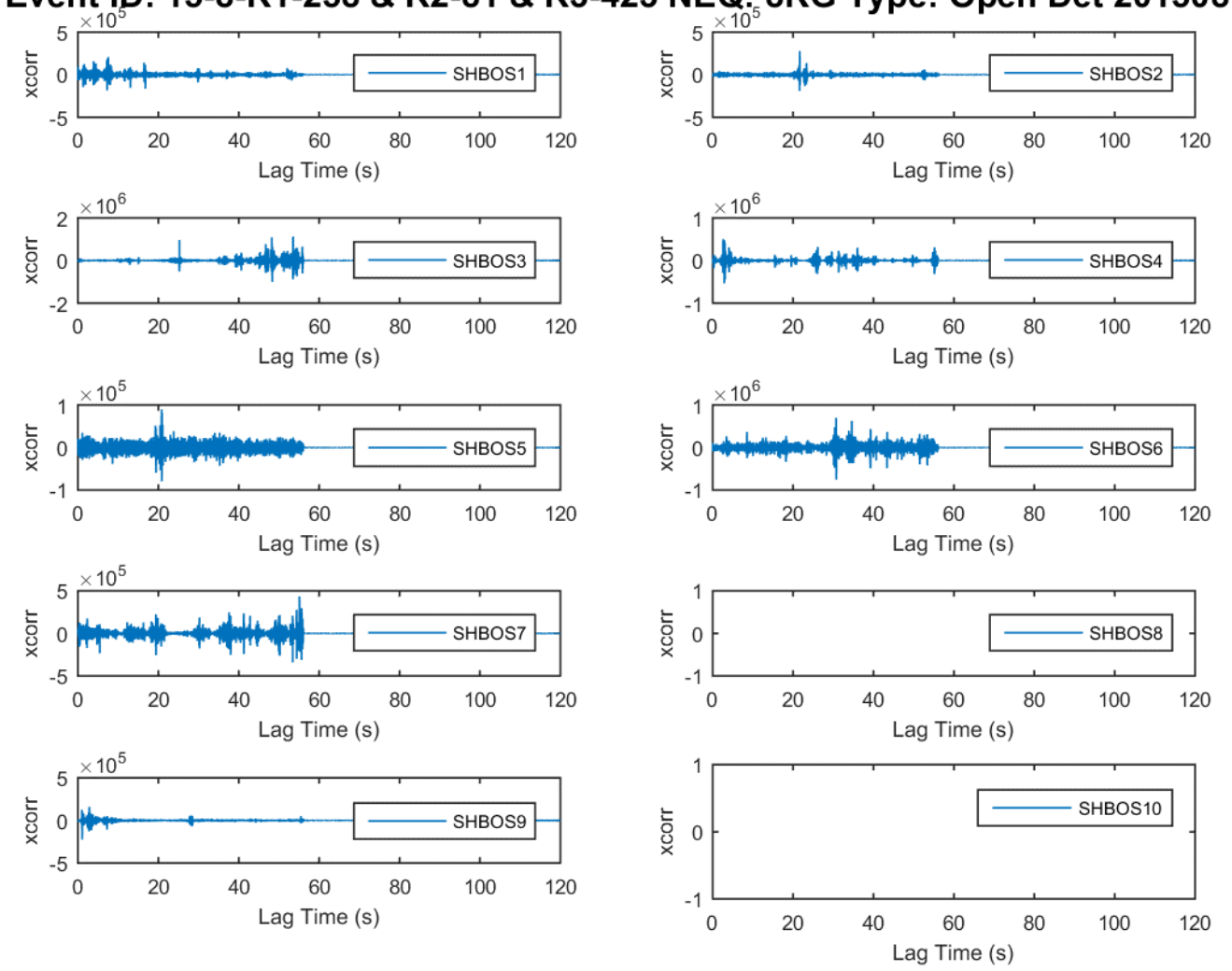


FIGURE 2.605: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-258 & R2-81 & R3-423

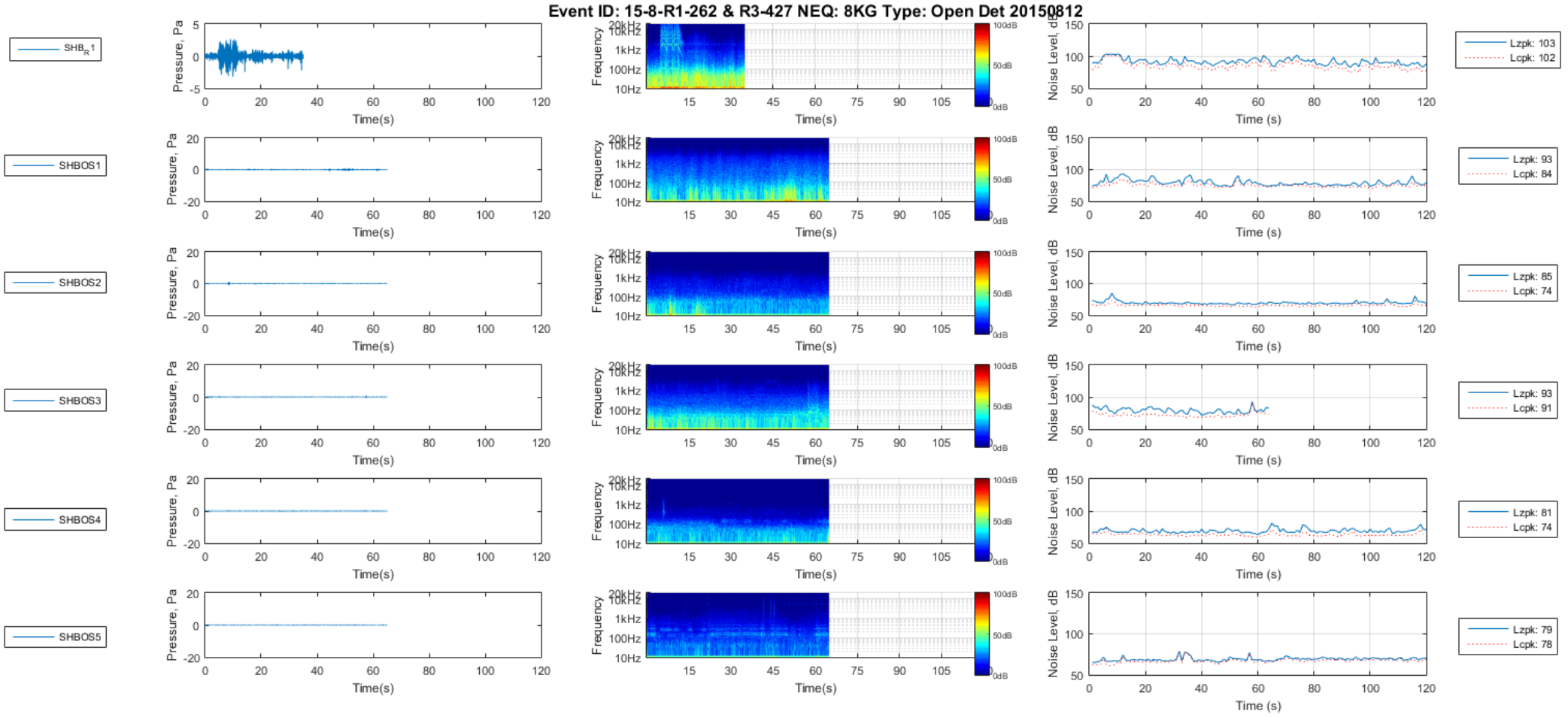


FIGURE 2.606: SHB_OS 1 - 5 15-8-R1-262 & R3-427

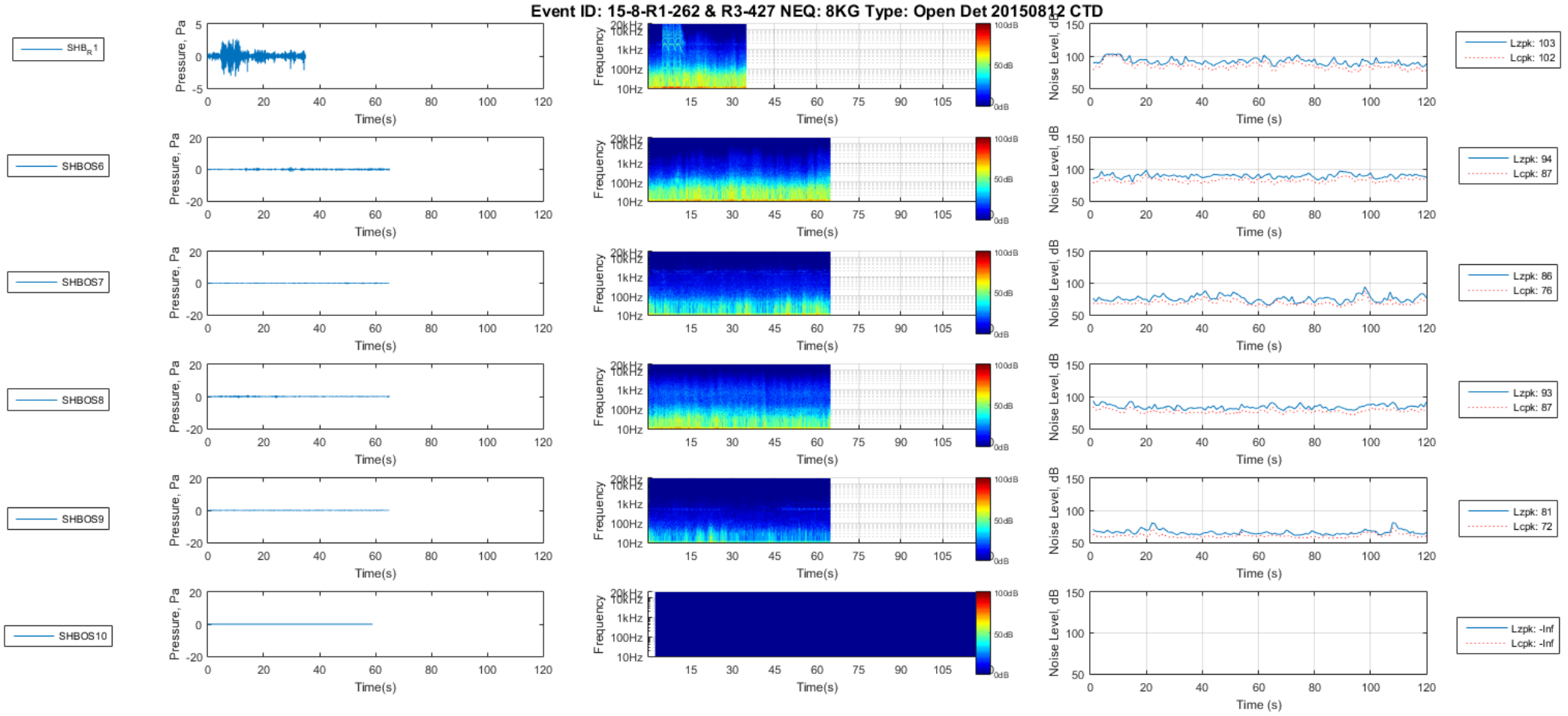


FIGURE 2.607: SHB_OS 6 - 10 15-8-R1-262 & R3-427

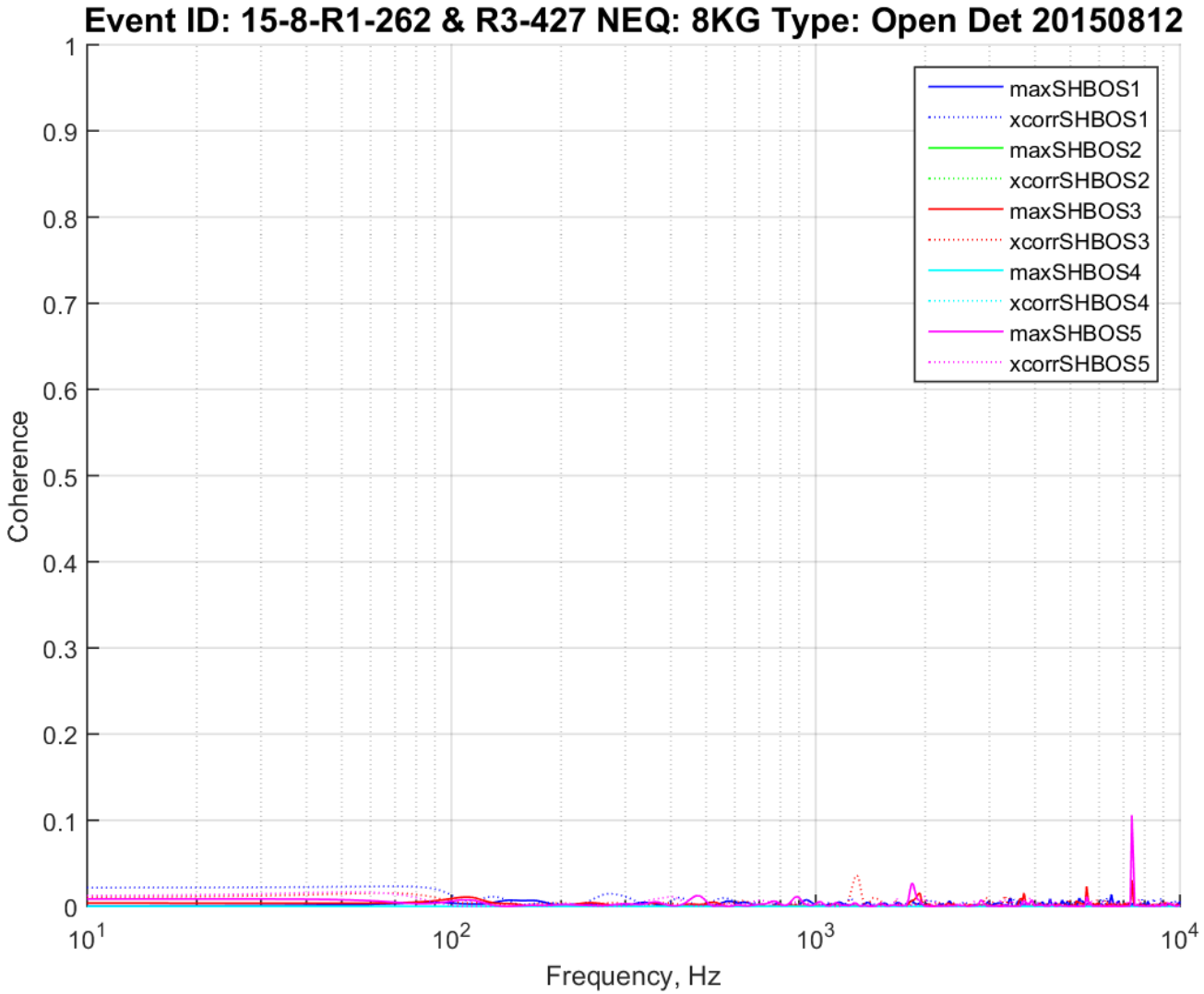


FIGURE 2.608: COHERENCE SHB_OS 1 - 5 15-8-R1-262 & R3-427

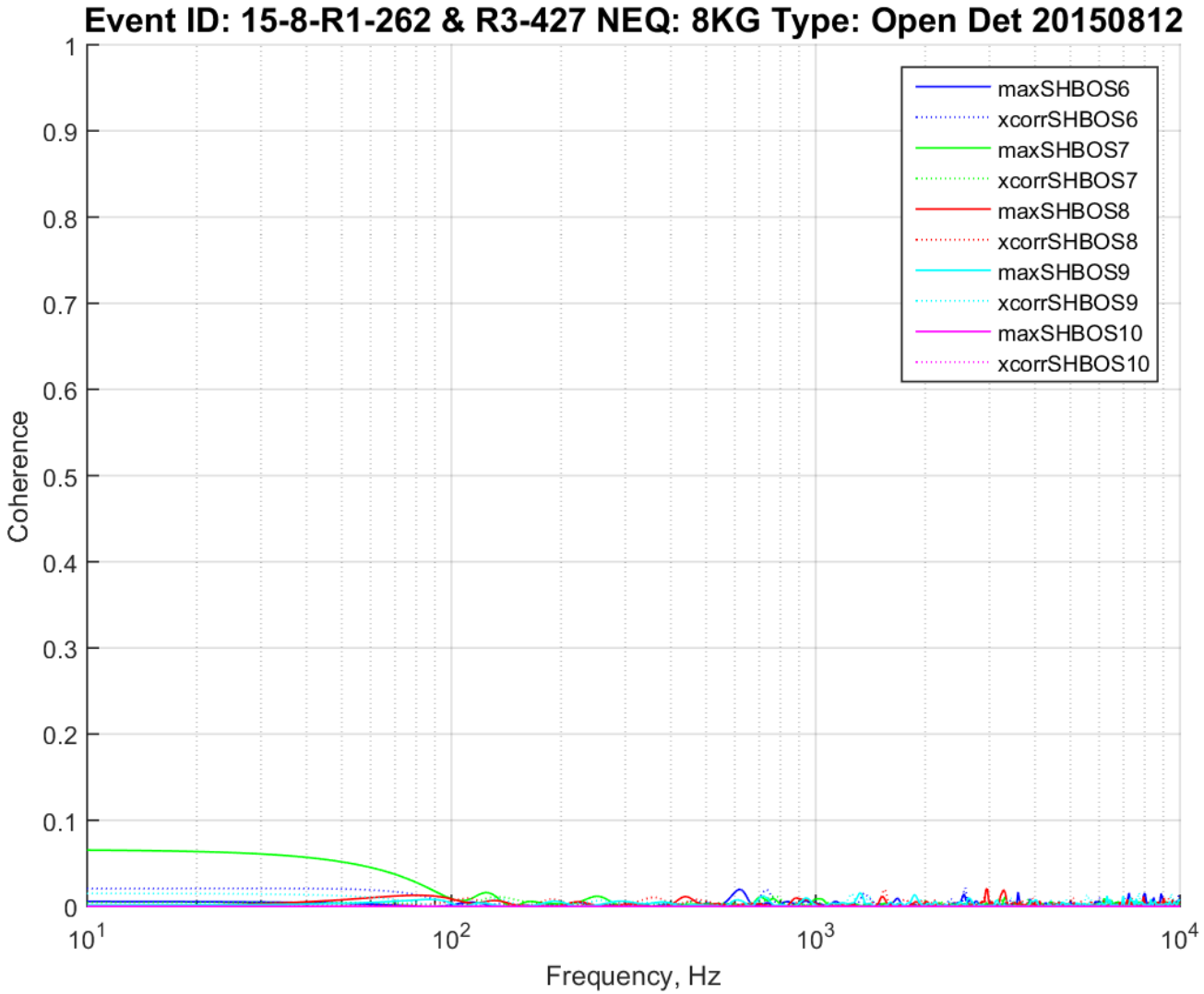


FIGURE 2.609: COHERENCE SHB_OS 6 - 10 15-8-R1-262 & R3-427CTD

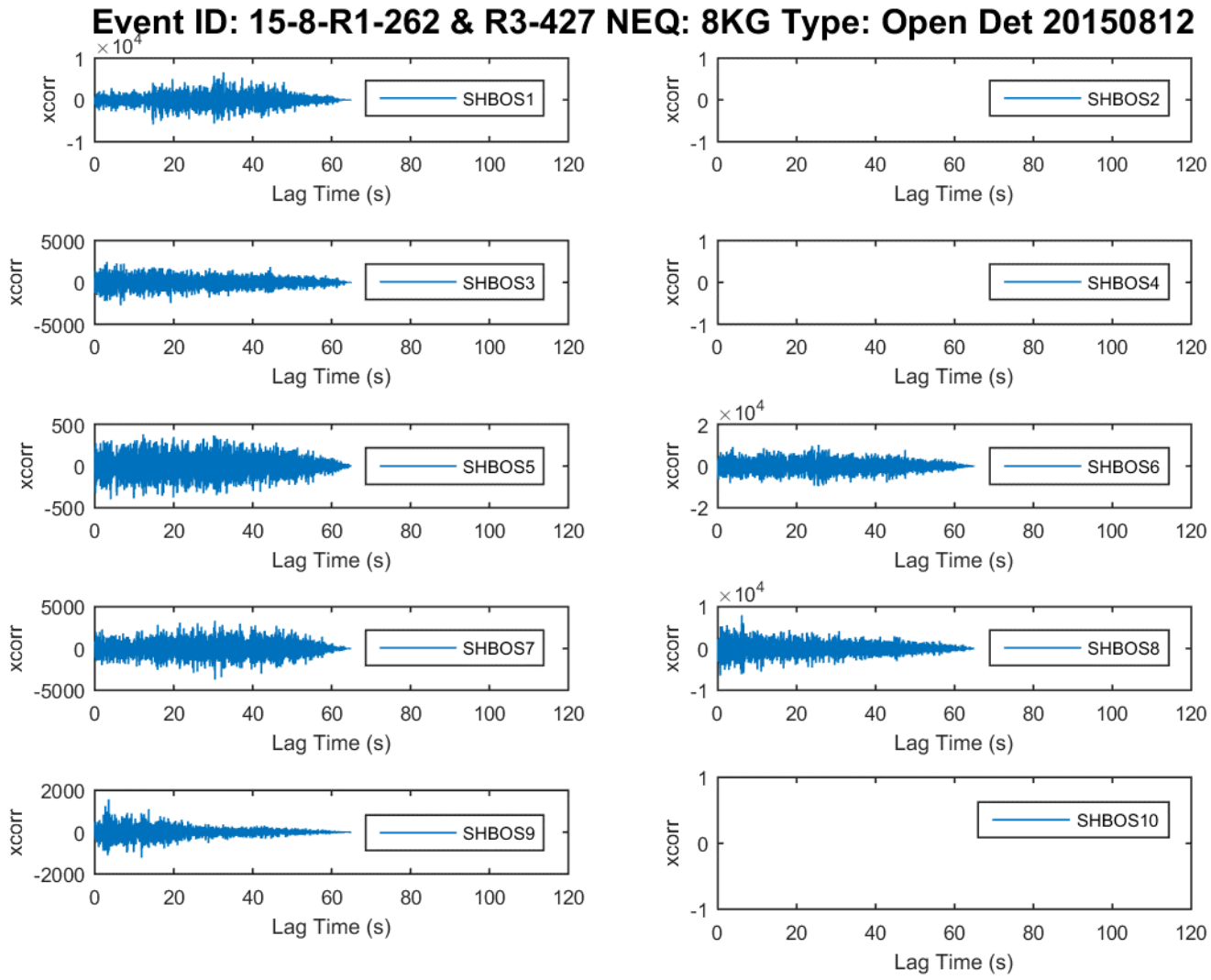
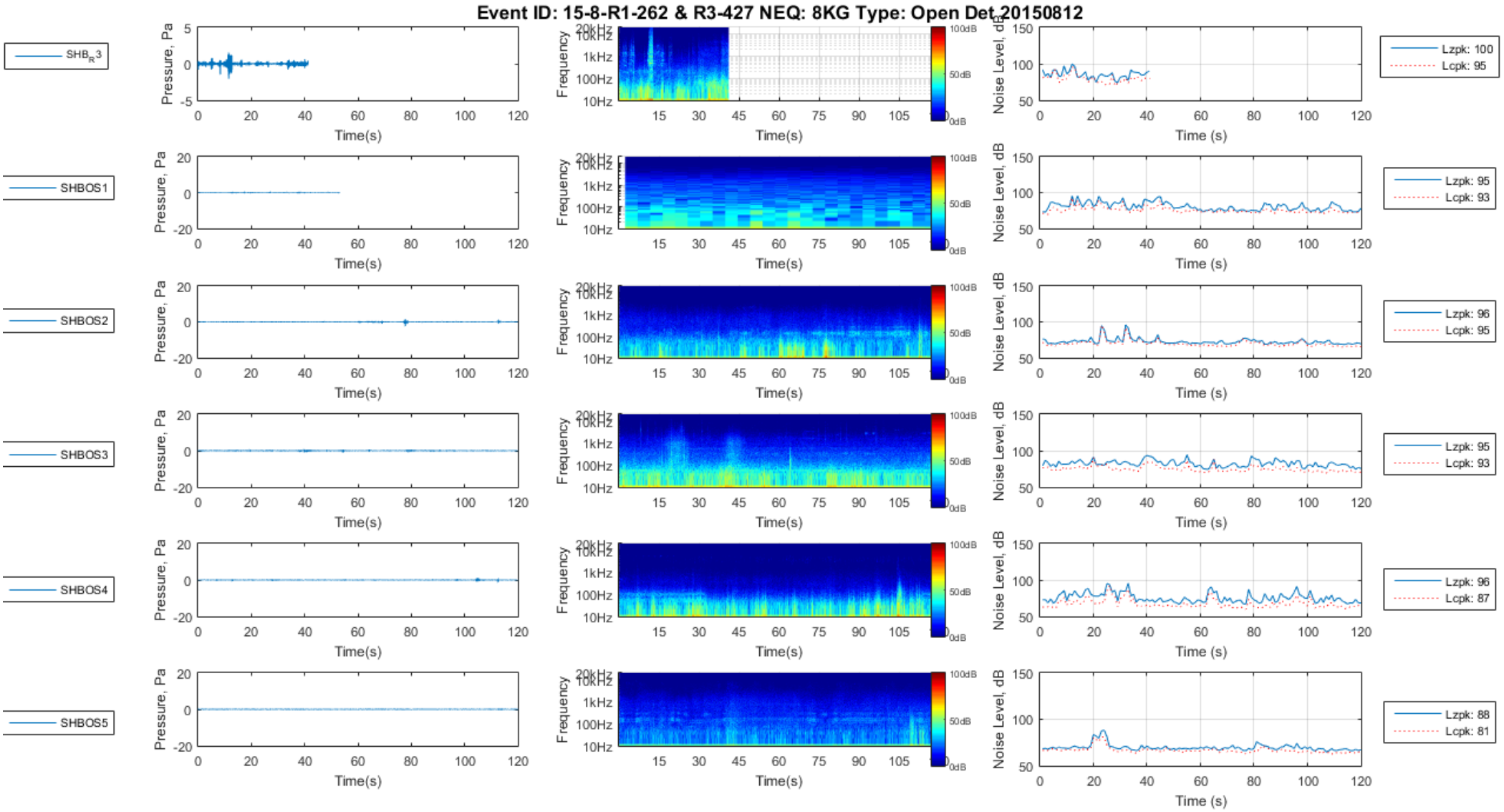
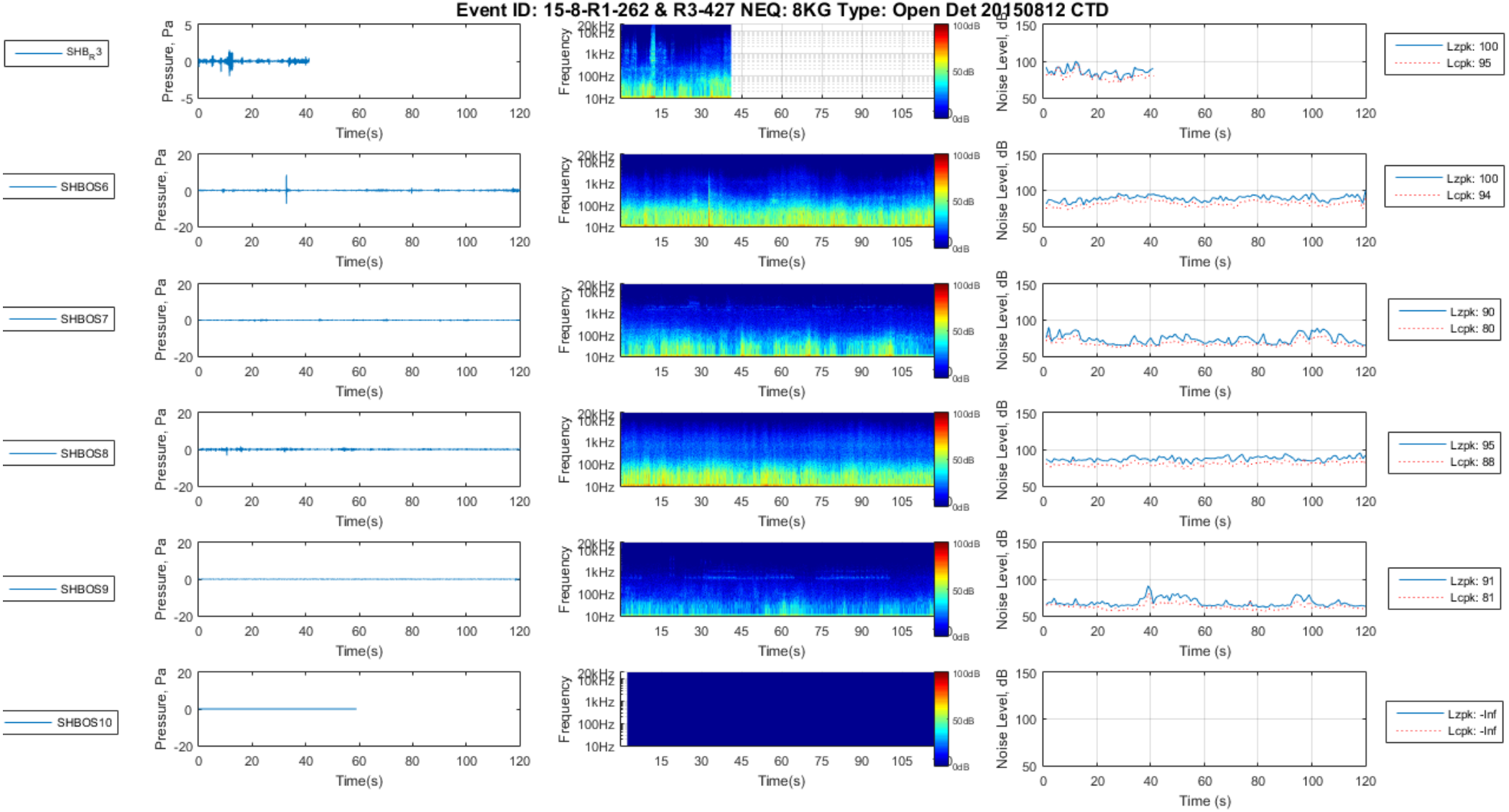


FIGURE 2.610: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-262 & R3-427


Event ID: 15-8-R1-262 & R3-427 NEQ: 8KG Type: Open Det 20150812
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 100
Lcpk: 95
Lzpk: 95
Lcpk: 93
Lzpk: 96
Lcpk: 95
Lzpk: 95
Lcpk: 93
Lzpk: 96
Lcpk: 87
Lzpk: 88
Lcpk: 81


Event ID: 15-8-R1-262 & R3-427 NEQ: 8KG Type: Open Det 20150812 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 100
Lcpk: 95
Lzpk: 100
Lcpk: 94
Lzpk: 90
Lcpk: 80
Lzpk: 95
Lcpk: 88
Lzpk: 91
Lcpk: 81
Lzpk: -Inf
Lcpk: -Inf

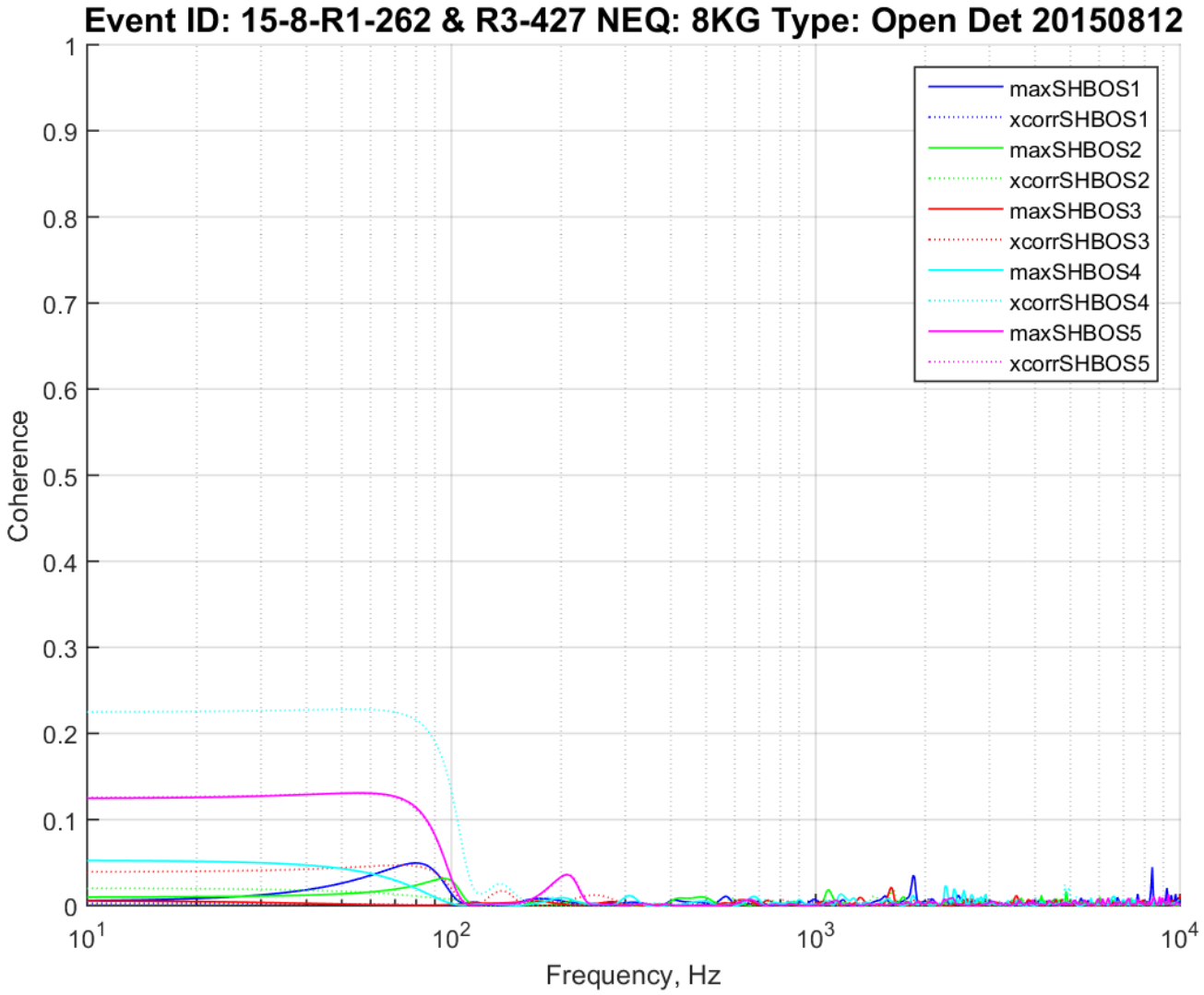


FIGURE 2.613: COHERENCE SHB_OS 1 - 5 15-8-R1-262 & R3-427

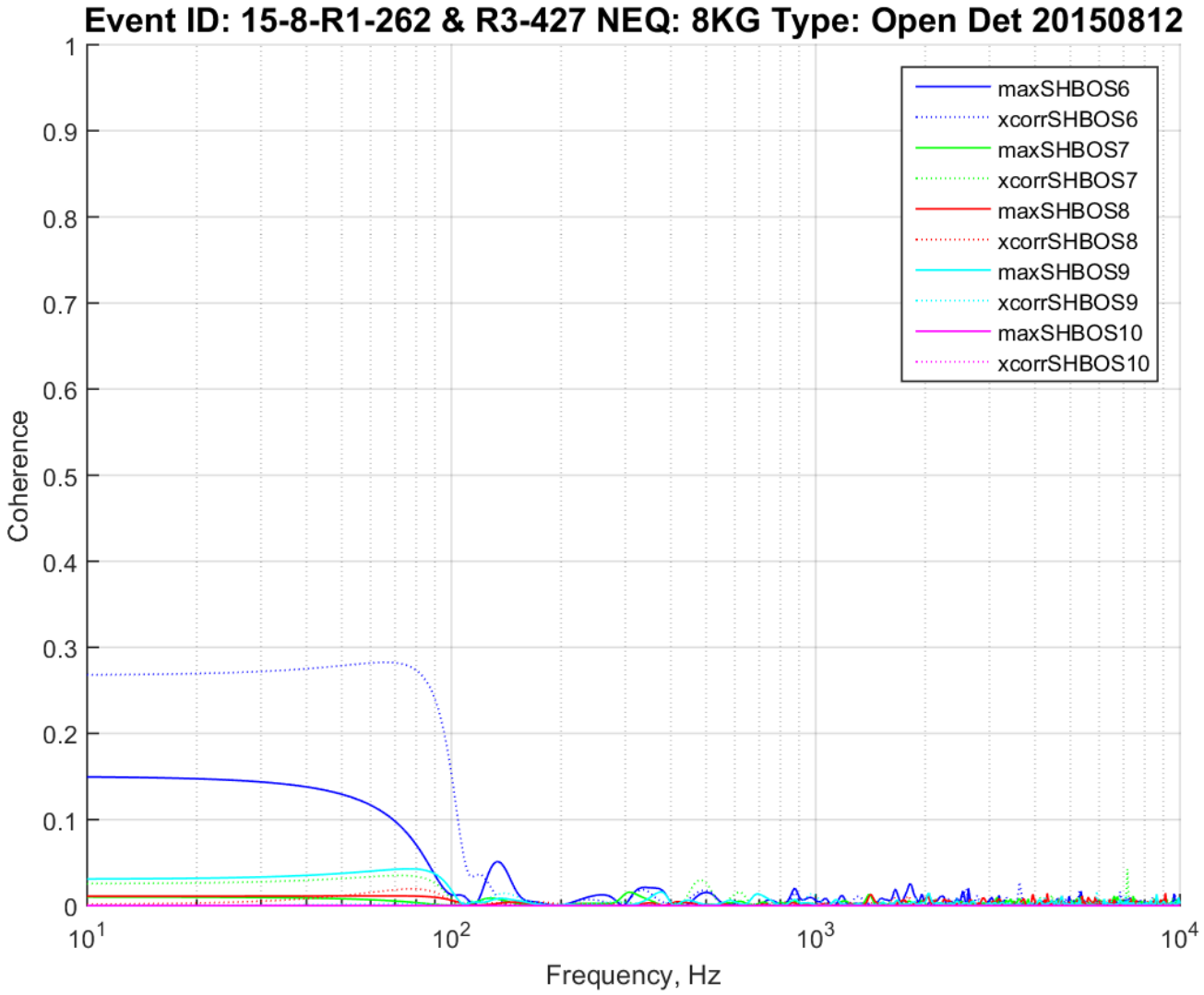


FIGURE 2.614: COHERENCE SHB_OS 6 - 10 15-8-R1-262 & R3-427CTD

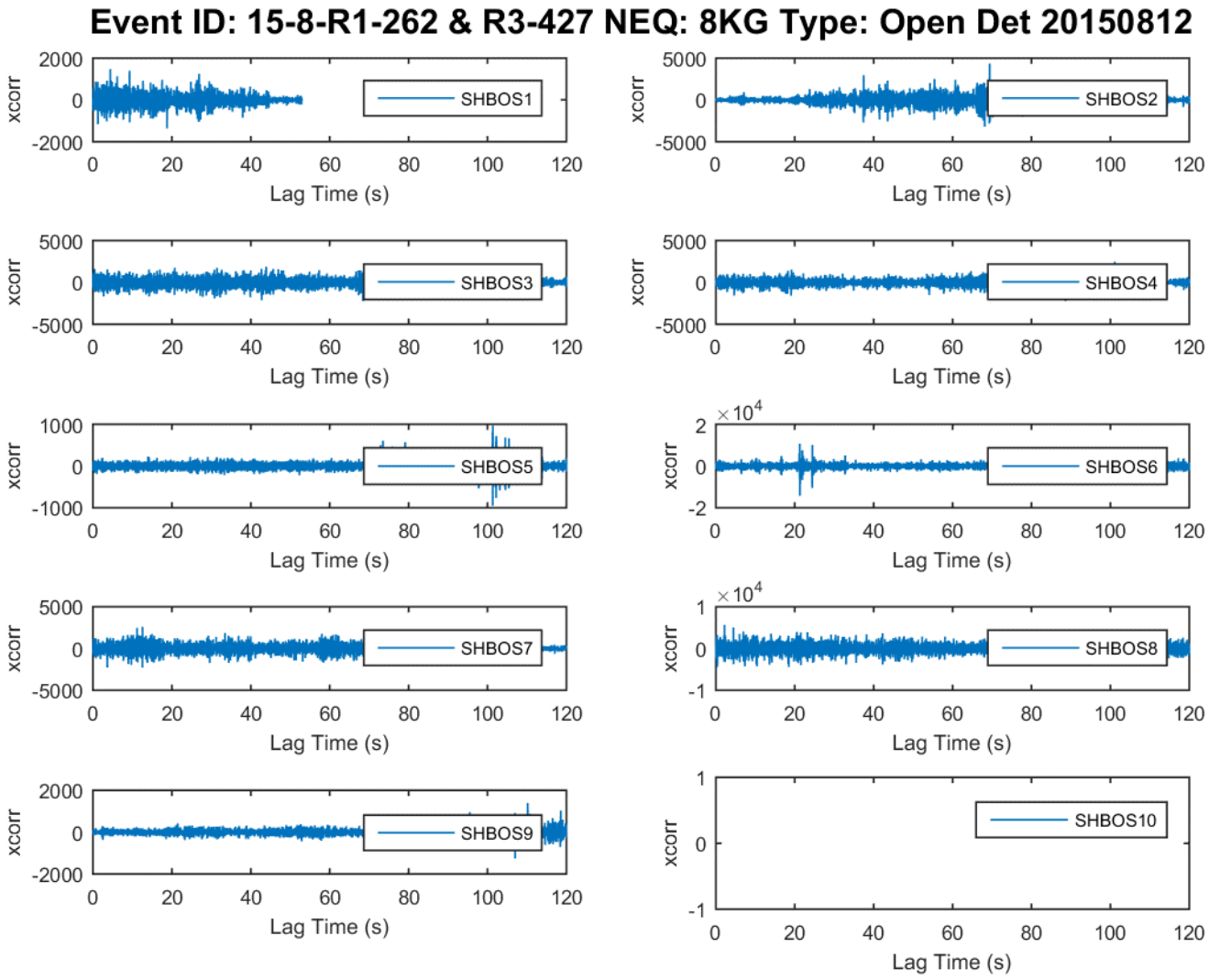


FIGURE 2.615: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-262 & R3-427

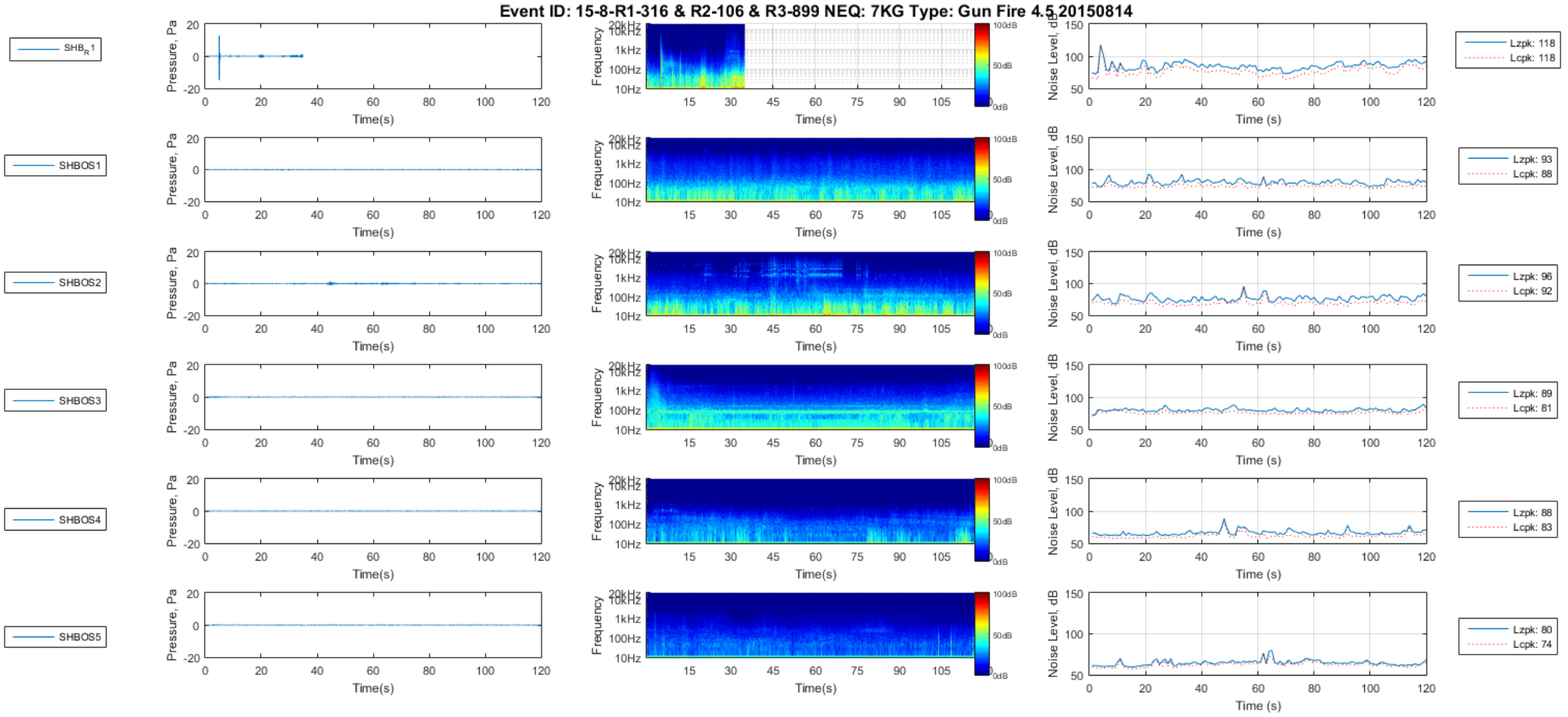


FIGURE 2.616: SHB_OS 1 - 5 15-8-R1-316 & R2-106 & R3-899

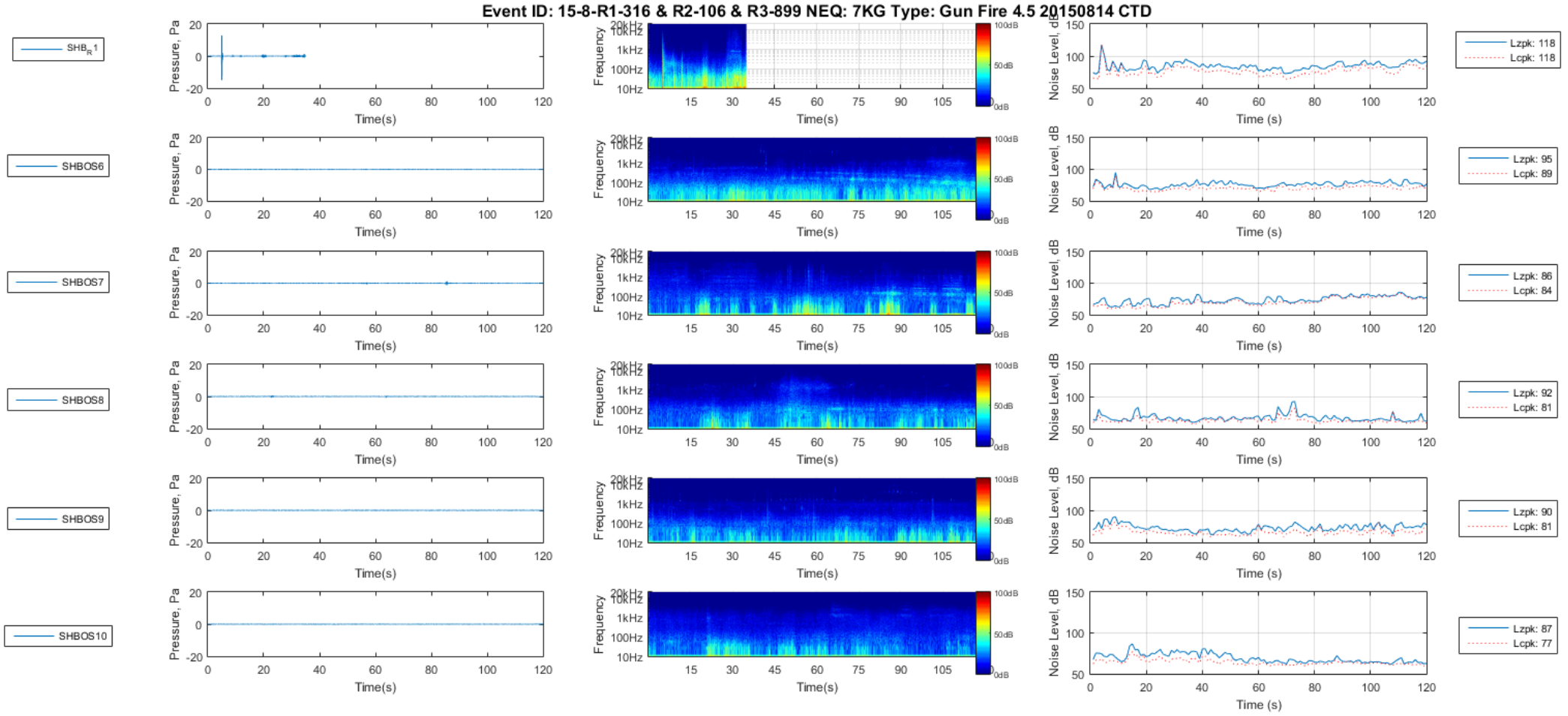


FIGURE 2.617: SHB_OS 6 - 10 15-8-R1-316 & R2-106 & R3-899

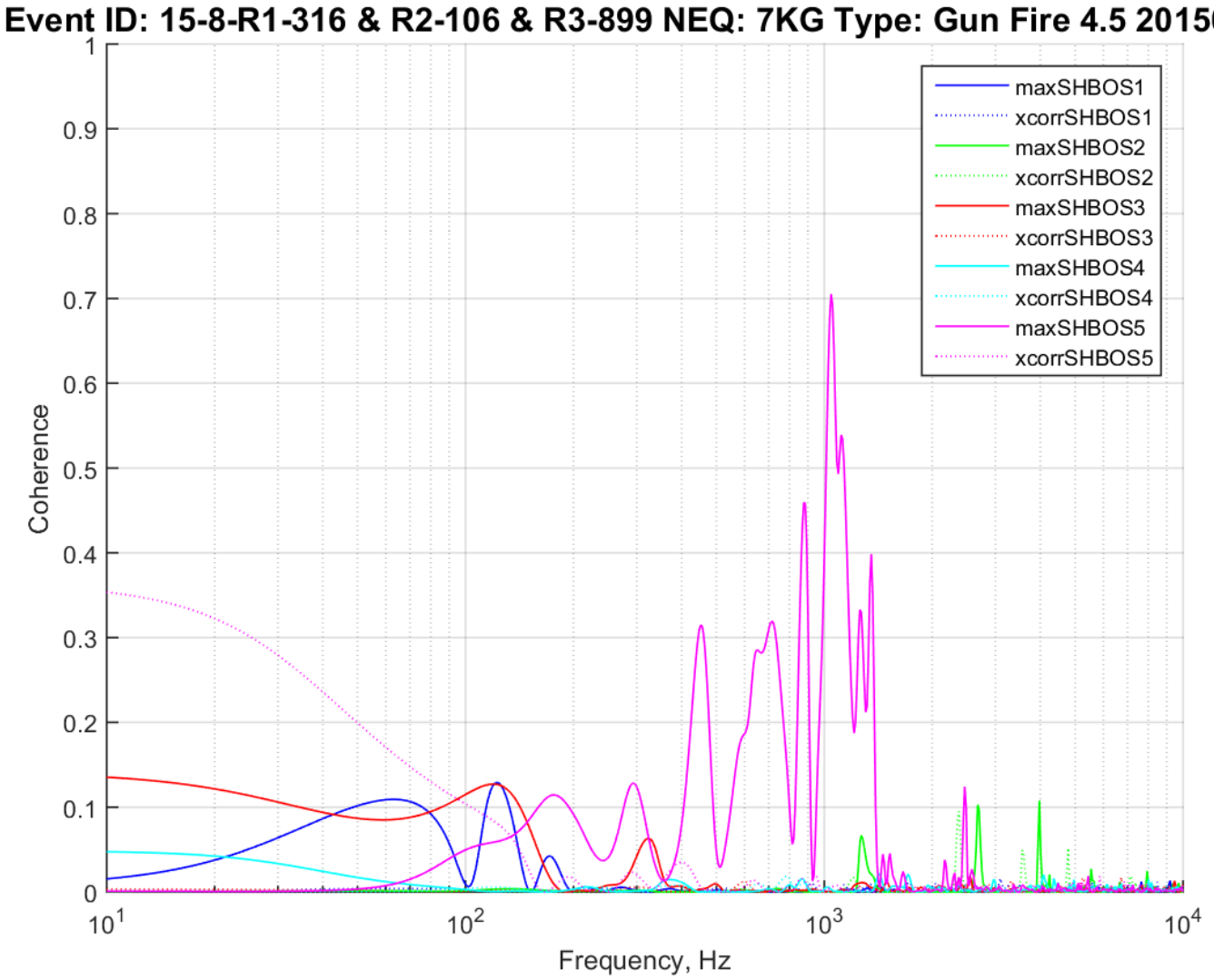


FIGURE 2.618: COHERENCE SHB_OS 1 - 5 15-8-R1-316 & R2-106 & R3-899

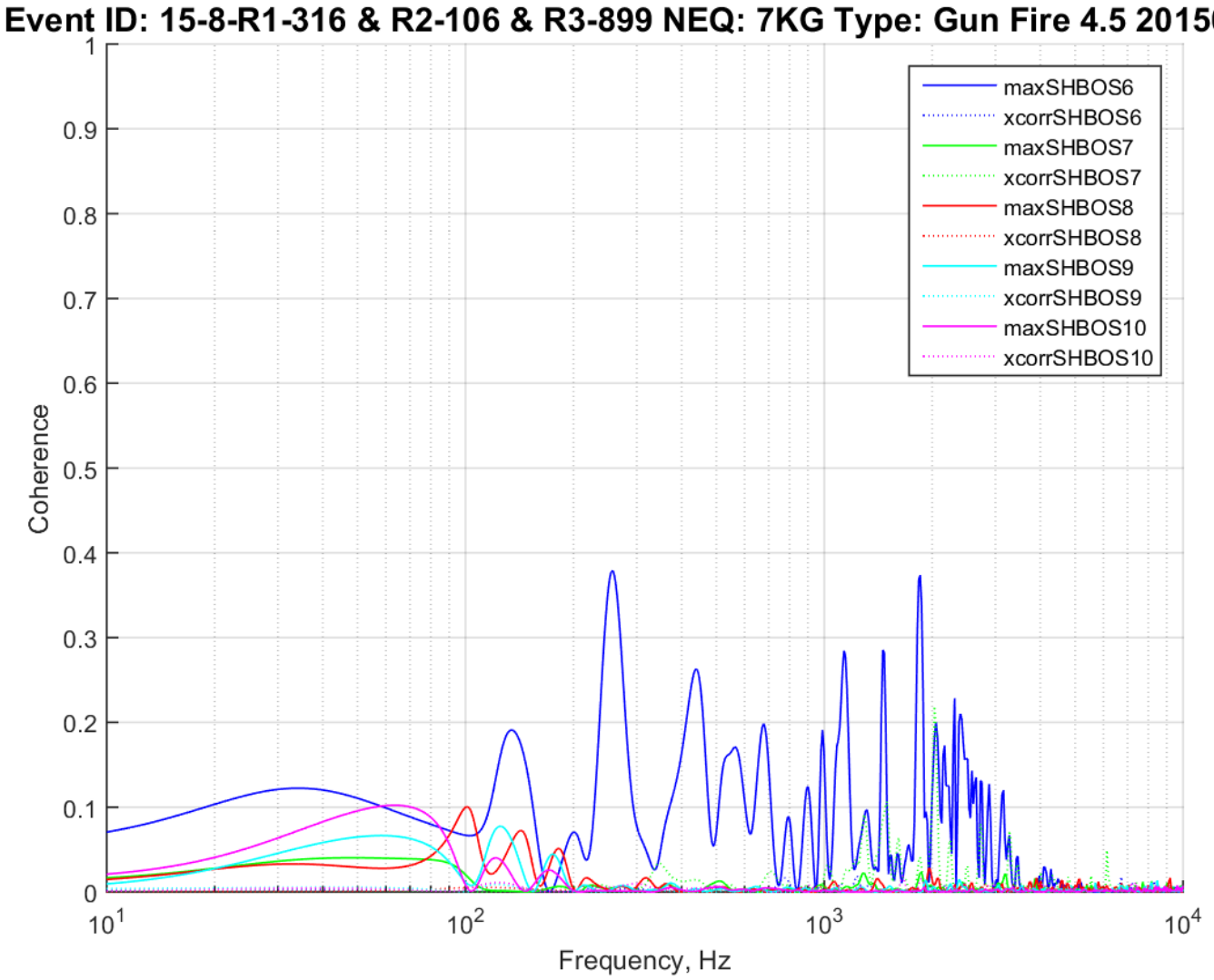


FIGURE 2.619: COHERENCE SHB_OS 6 - 10 15-8-R1-316 & R2-106 & R3-899CTD

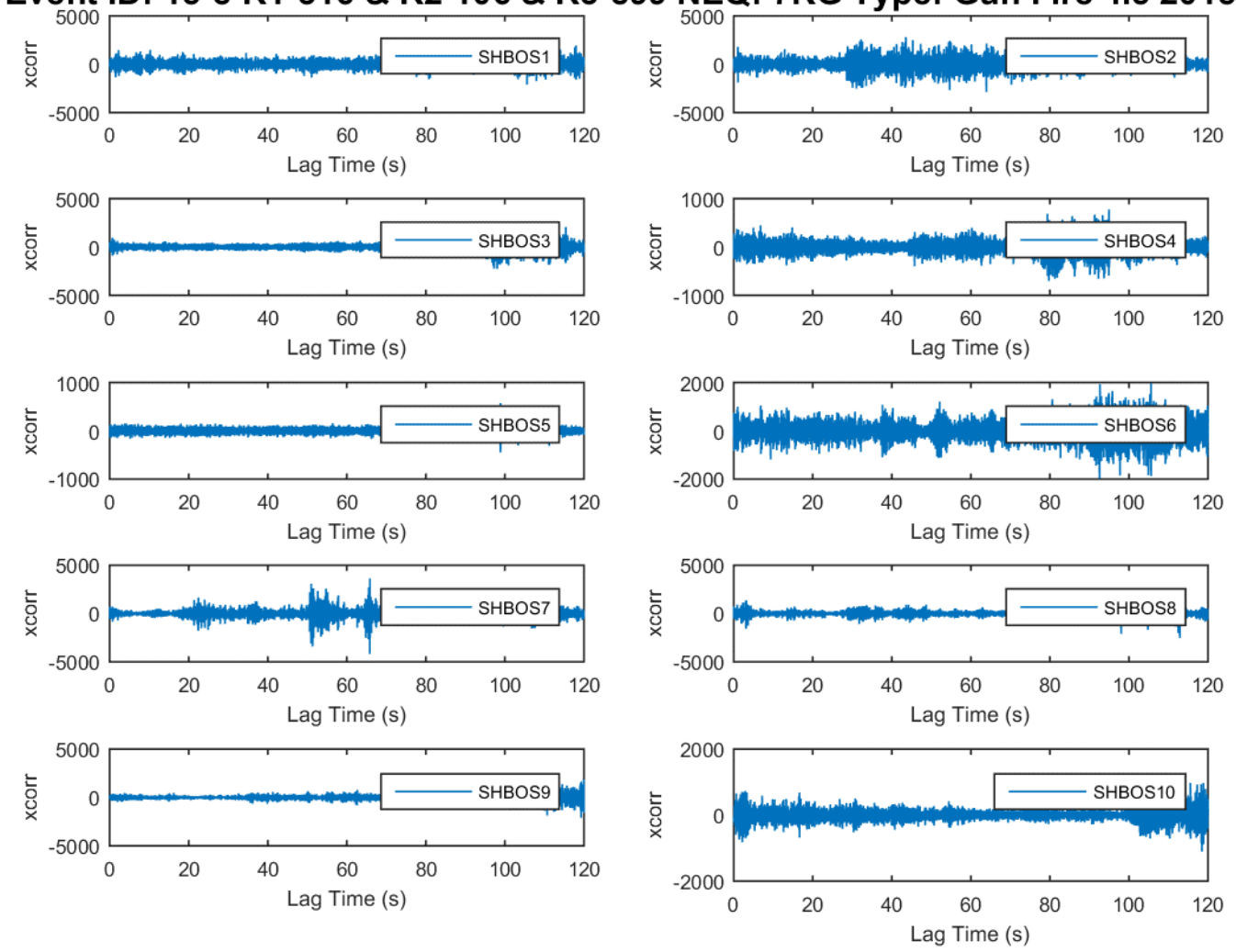
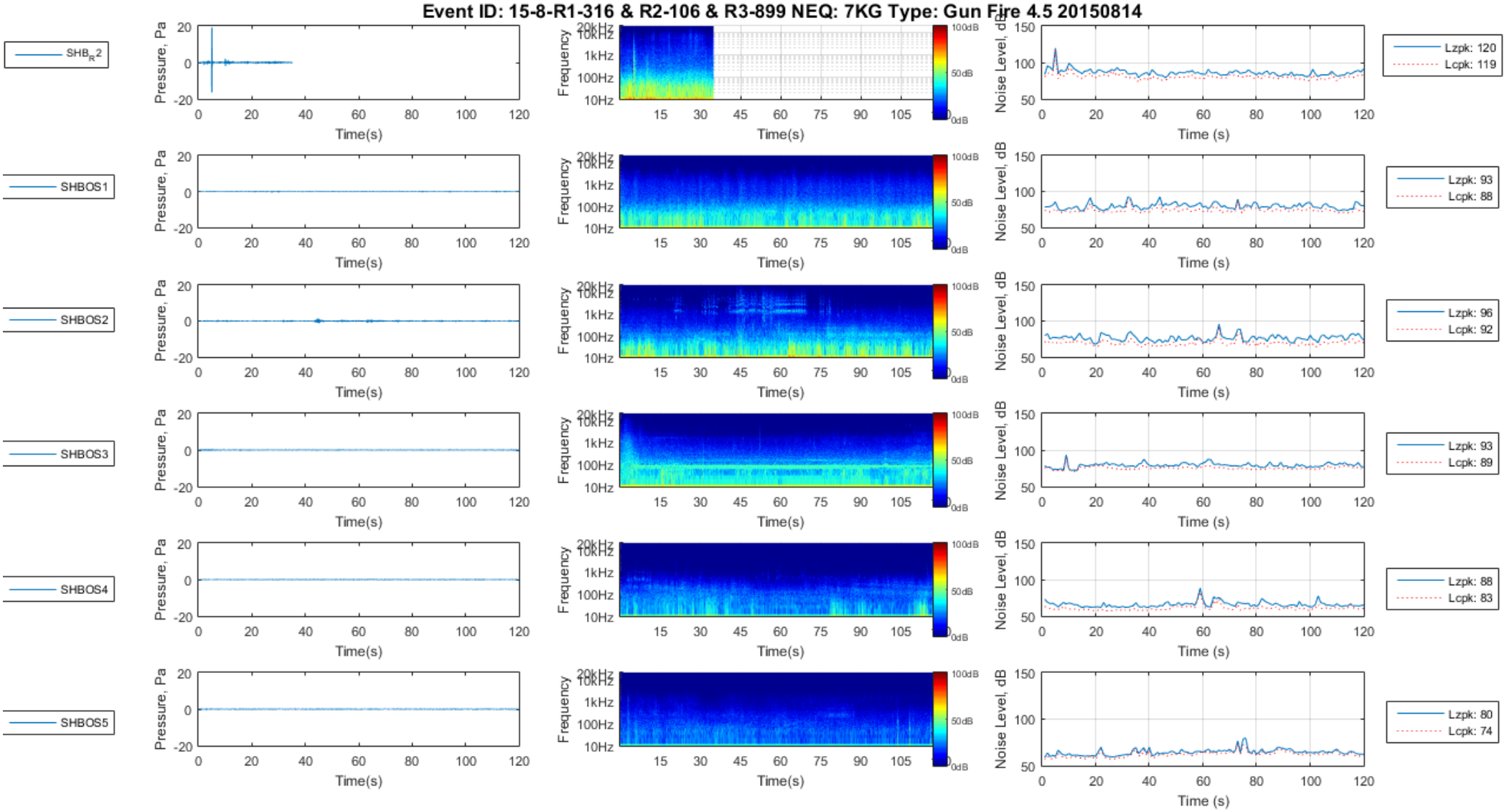
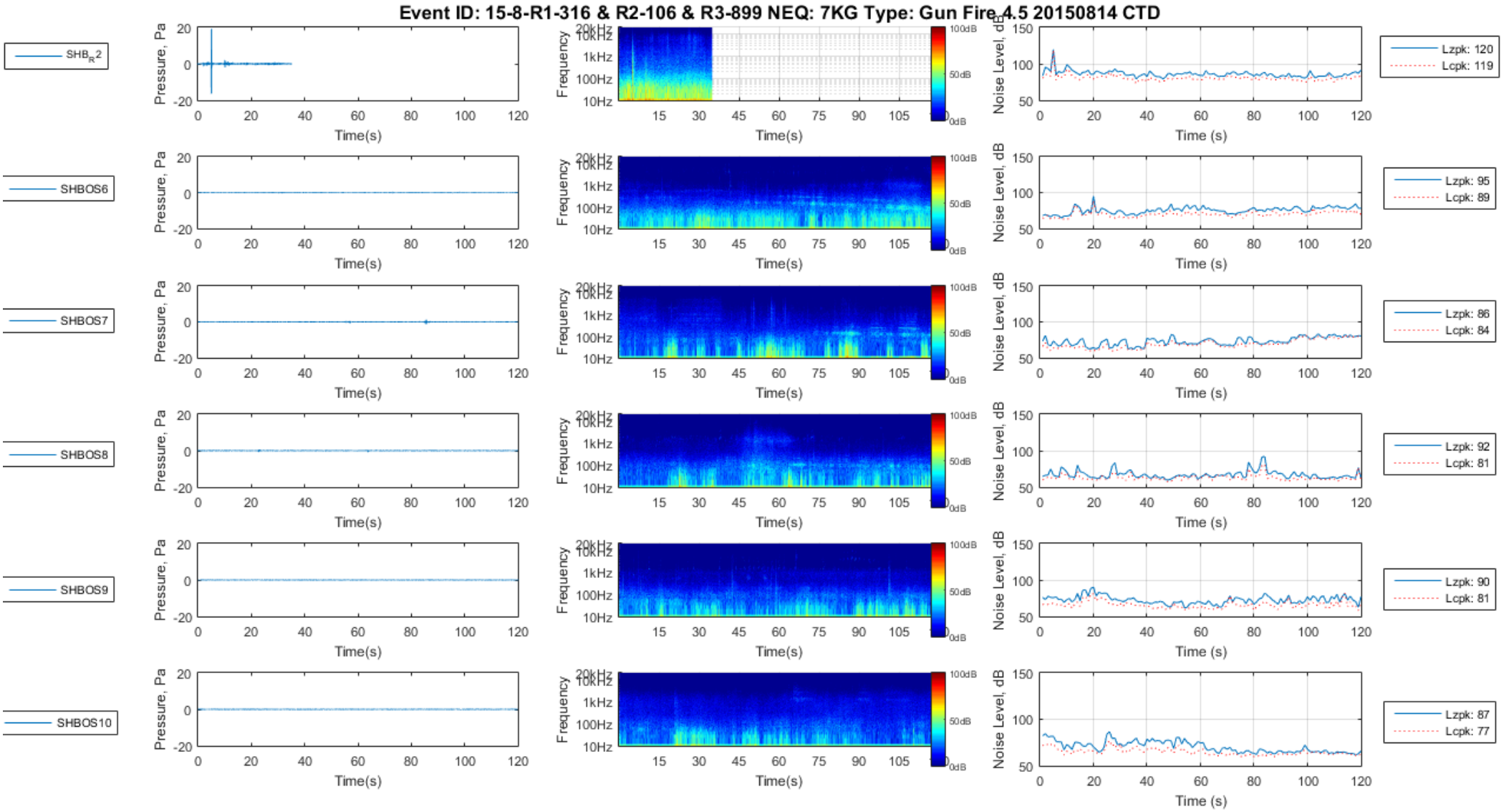


FIGURE 2.620: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-316 & R2-106 & R3-899


Event ID: 15-8-R1-316 & R2-106 & R3-899 NEQ: 7KG Type: Gun Fire 4.5 20150814
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 120
Lcpk: 119
Lzpk: 93
Lcpk: 88
Lzpk: 96
Lcpk: 92
Lzpk: 93
Lcpk: 89
Lzpk: 88
Lcpk: 83
Lzpk: 80
Lcpk: 74


Event ID: 15-8-R1-316 & R2-106 & R3-899 NEQ: 7KG Type: Gun Fire 4.5 20150814 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 120
Lcpk: 119
Lzpk: 95
Lcpk: 89
Lzpk: 86
Lcpk: 84
Lzpk: 92
Lcpk: 81
Lzpk: 90
Lcpk: 81
Lzpk: 87
Lcpk: 77

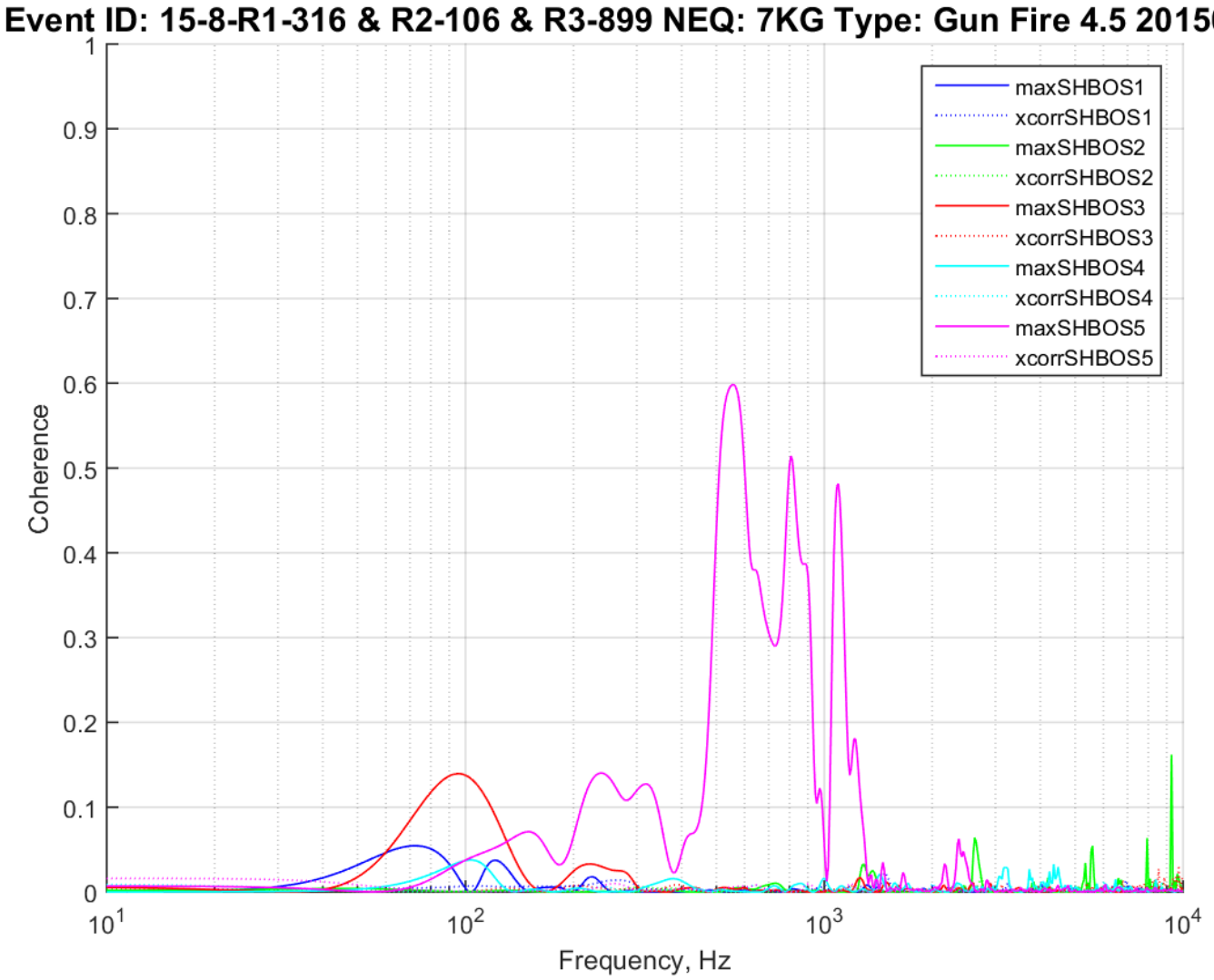


FIGURE 2.623: COHERENCE SHB_OS 1 - 5 15-8-R1-316 & R2-106 & R3-899

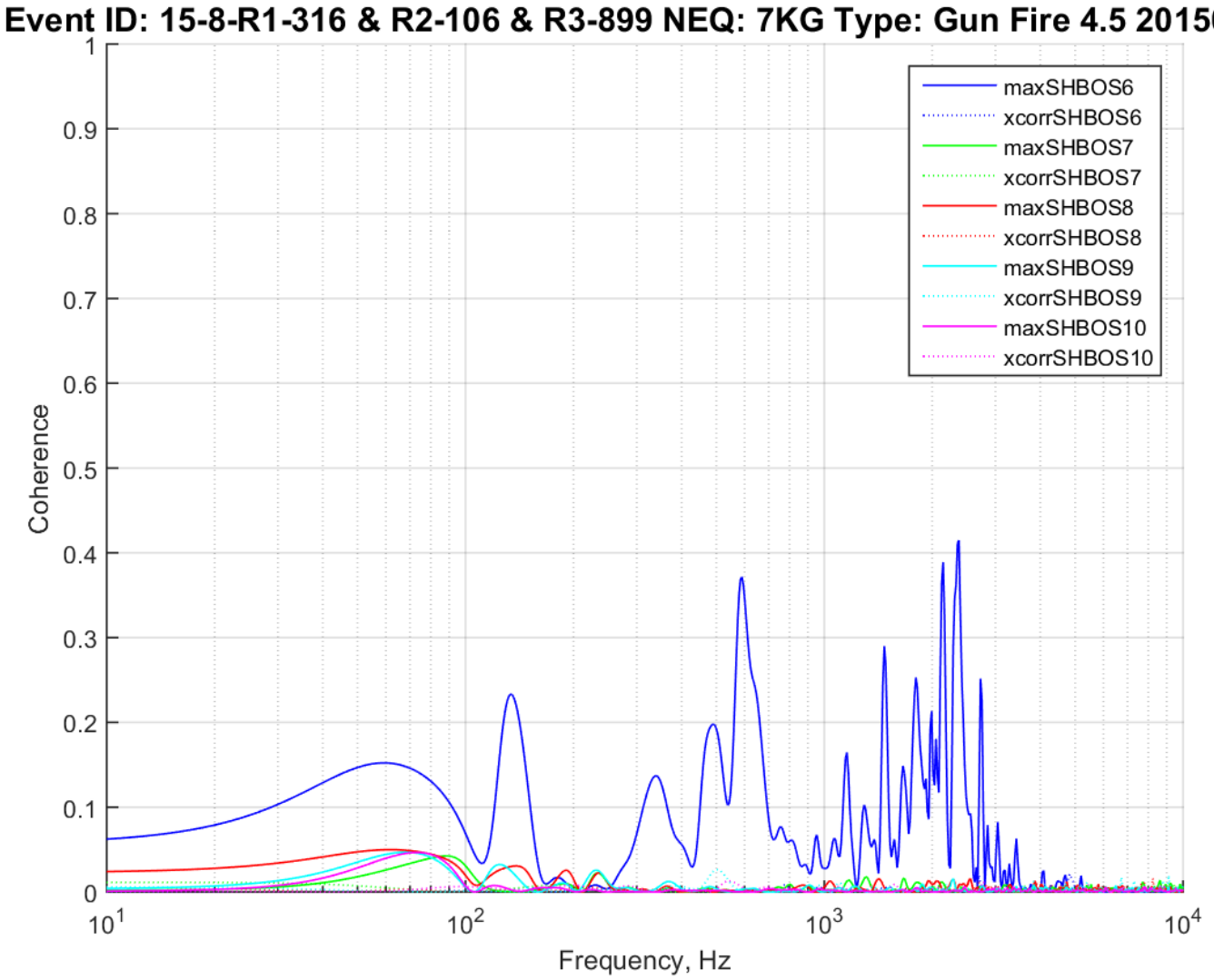


FIGURE 2.624: COHERENCE SHB_OS 6 - 10 15-8-R1-316 & R2-106 & R3-899CTD

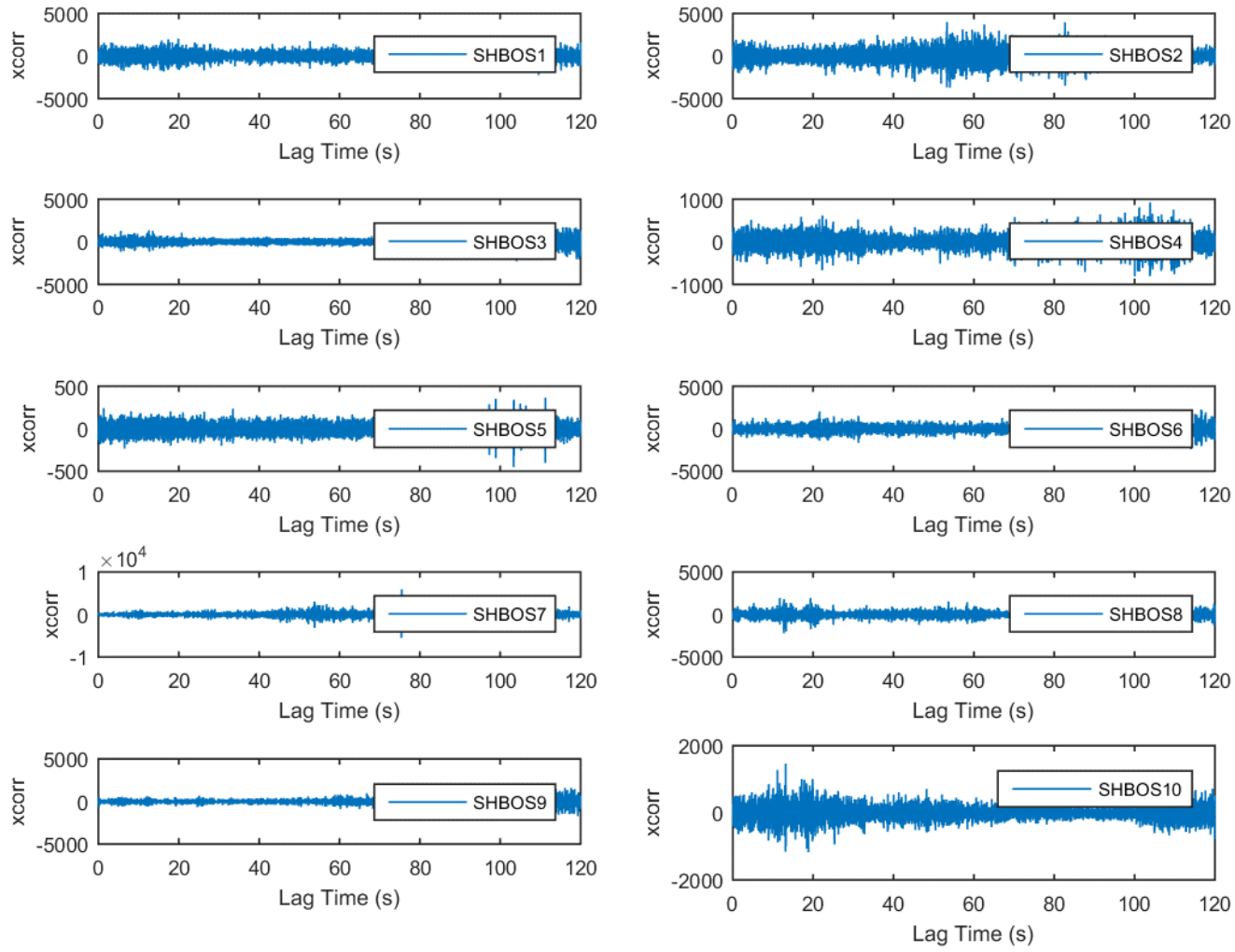
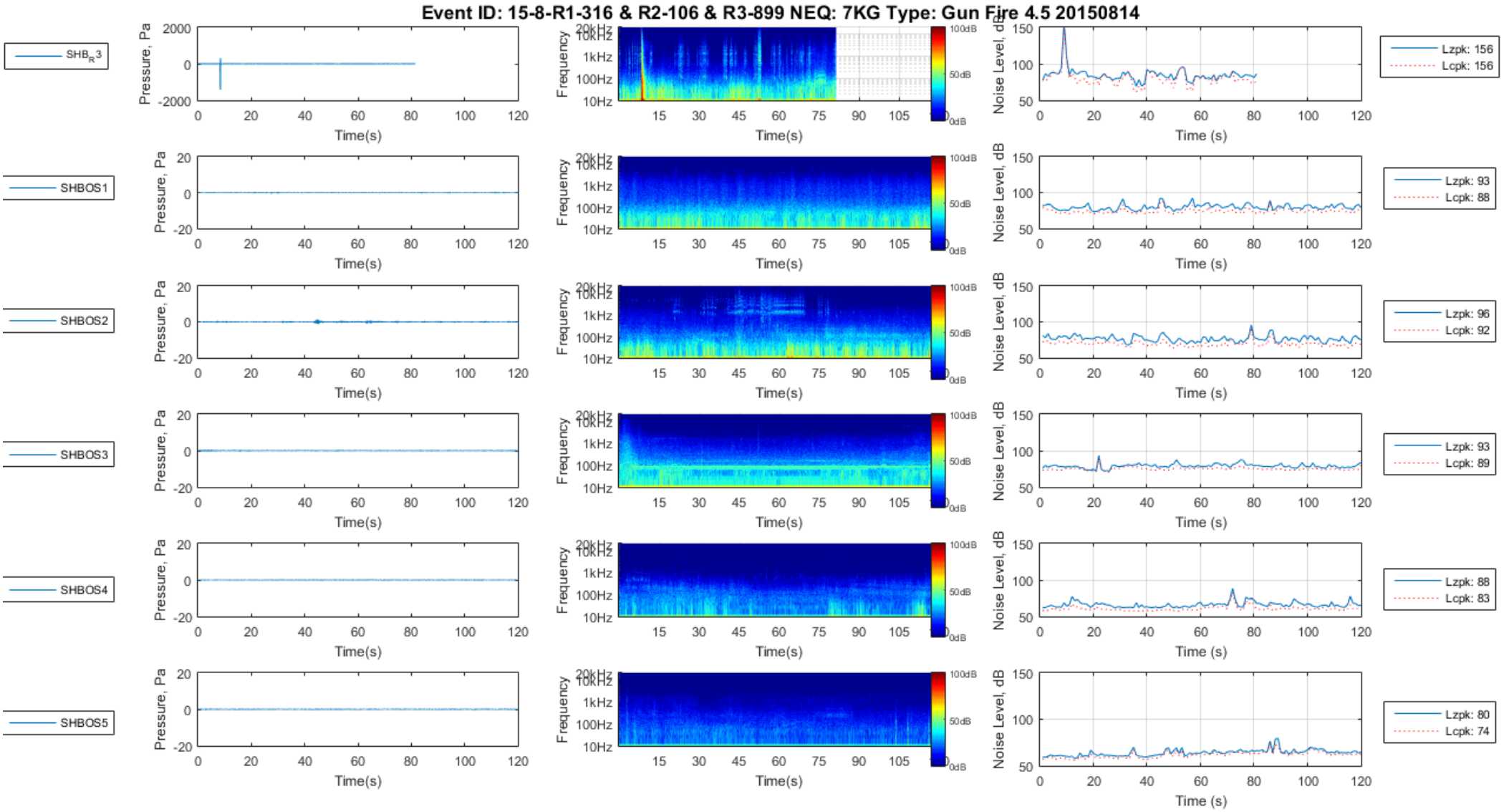
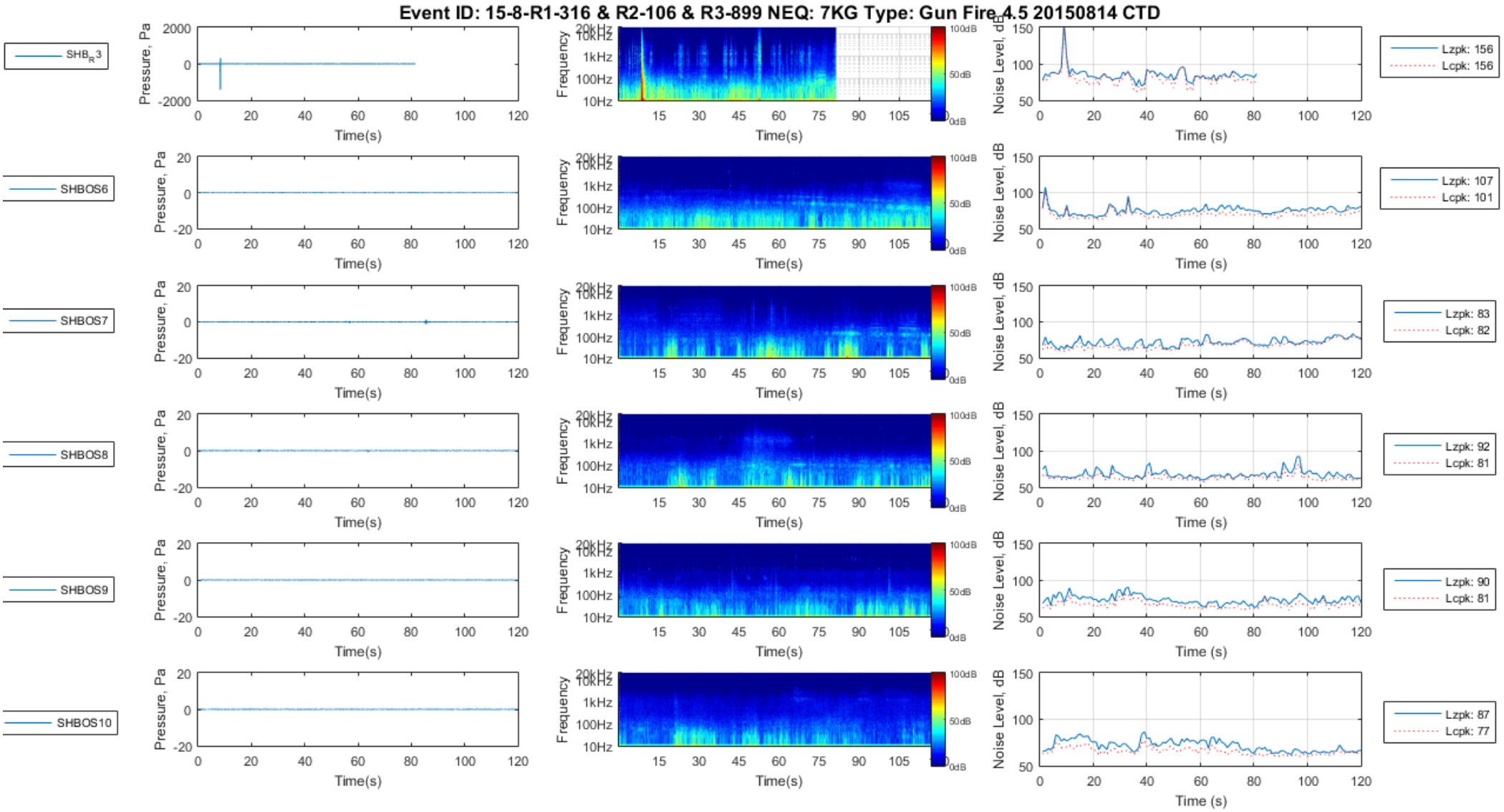


FIGURE 2.625: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-316 & R2-106 & R3-899


Event ID: 15-8-R1-316 & R2-106 & R3-899 NEQ: 7KG Type: Gun Fire 4.5 20150814
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 156
Lcpk: 156
Lzpk: 93
Lcpk: 88
Lzpk: 96
Lcpk: 92
Lzpk: 93
Lcpk: 89
Lzpk: 88
Lcpk: 83
Lzpk: 80
Lcpk: 74


Event ID: 15-8-R1-316 & R2-106 & R3-899 NEQ: 7KG Type: Gun Fire 4.5 20150814 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Frequency
Noise Level, dB
Time(s)
Time (s)
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Lzpk: 156
Lcpk: 156
Lzpk: 107
Lcpk: 101
Lzpk: 83
Lcpk: 82
Lzpk: 92
Lcpk: 81
Lzpk: 90
Lcpk: 81
Lzpk: 87
Lcpk: 77

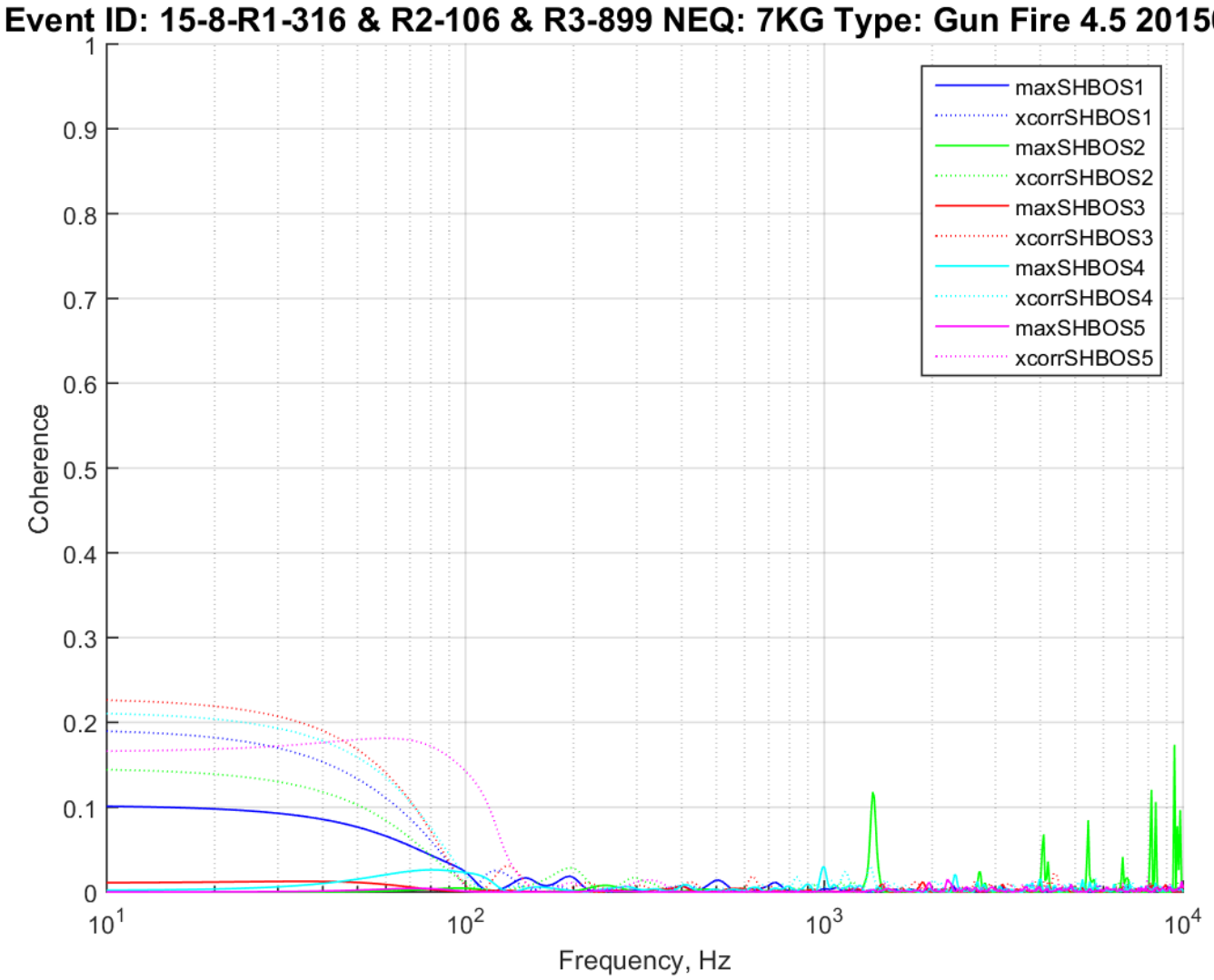


FIGURE 2.628: COHERENCE SHB_OS 1 - 5 15-8-R1-316 & R2-106 & R3-899

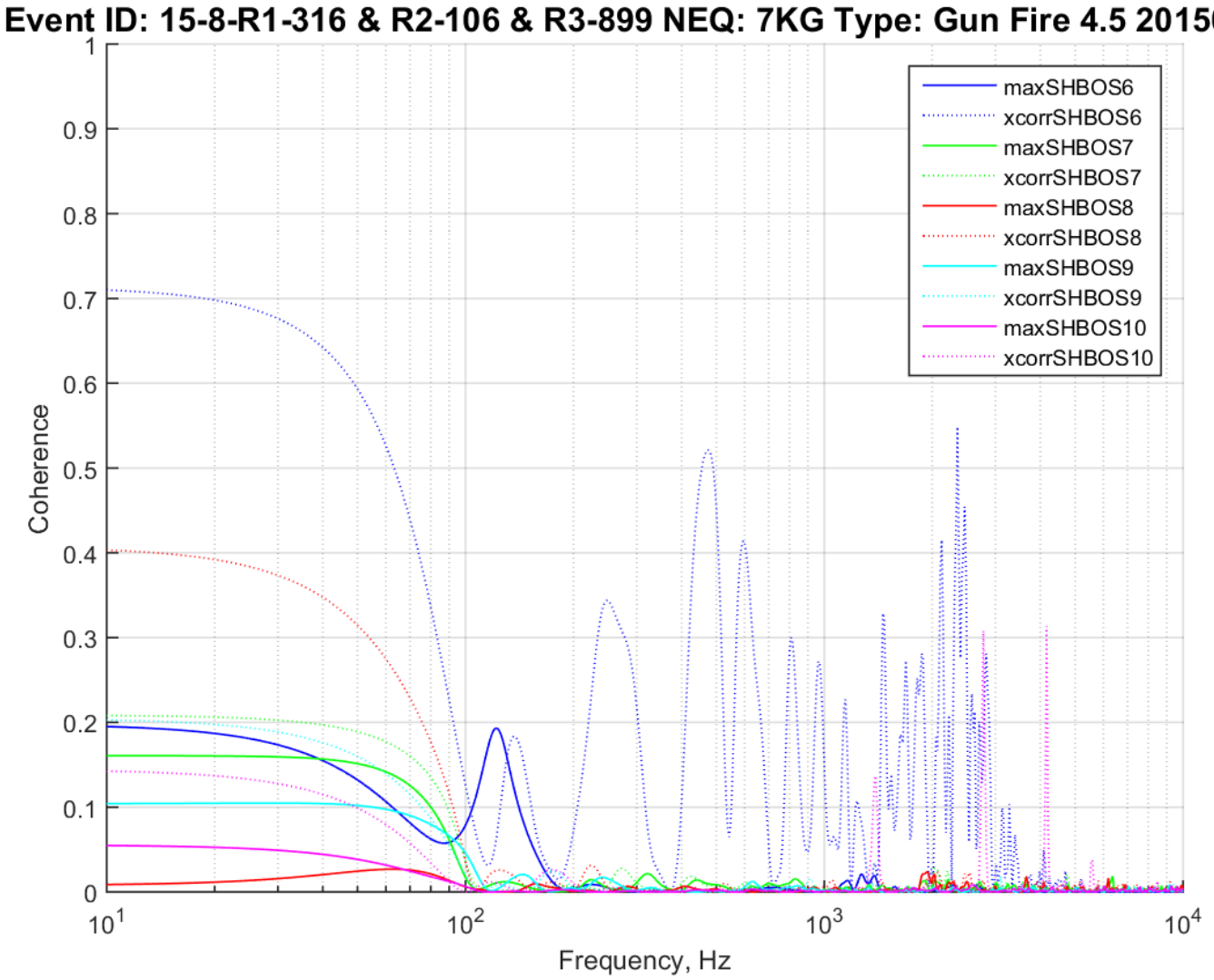


FIGURE 2.629: COHERENCE SHB_OS 6 - 10 15-8-R1-316 & R2-106 & R3-899CTD

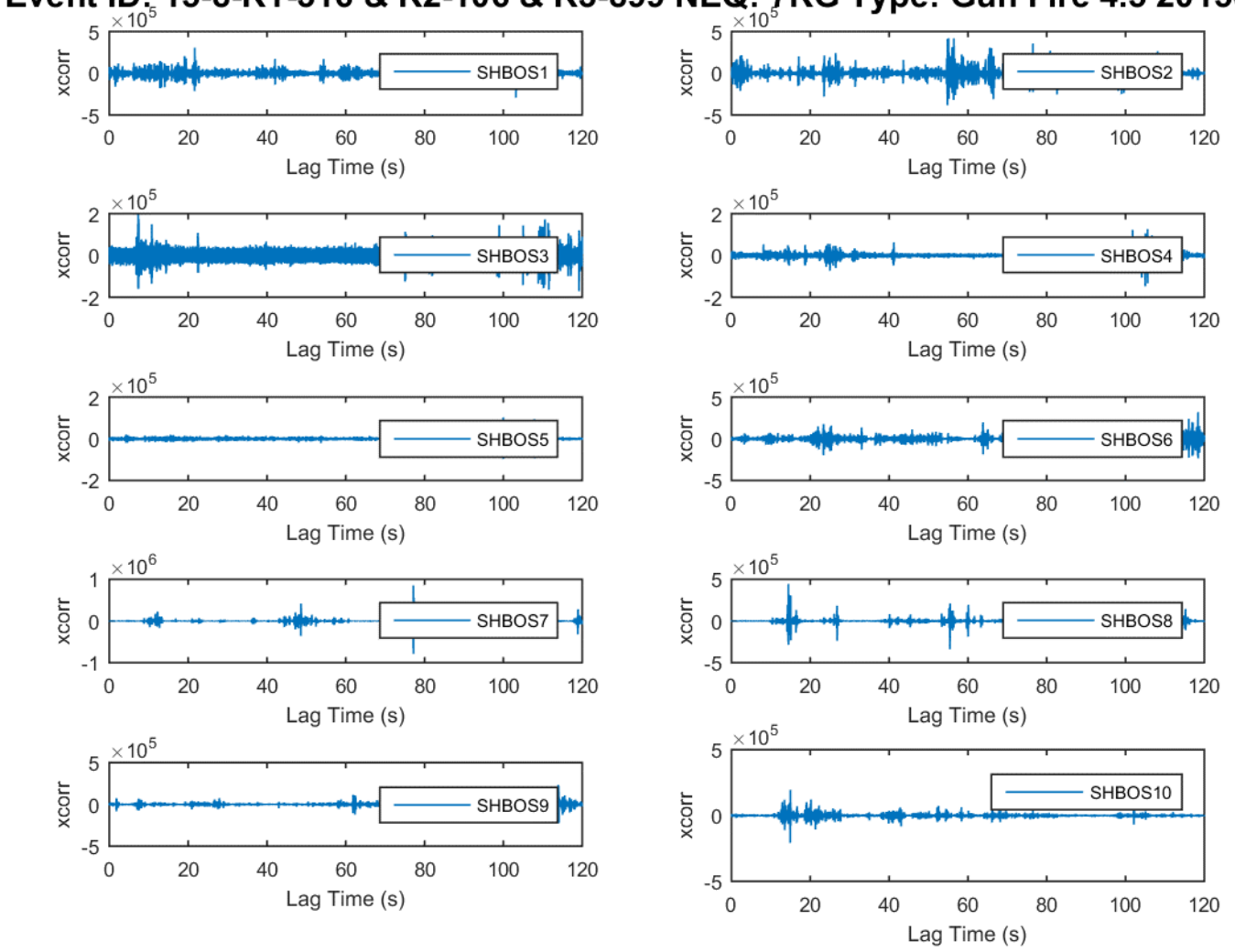


FIGURE 2.630: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-316 & R2-106 & R3-899

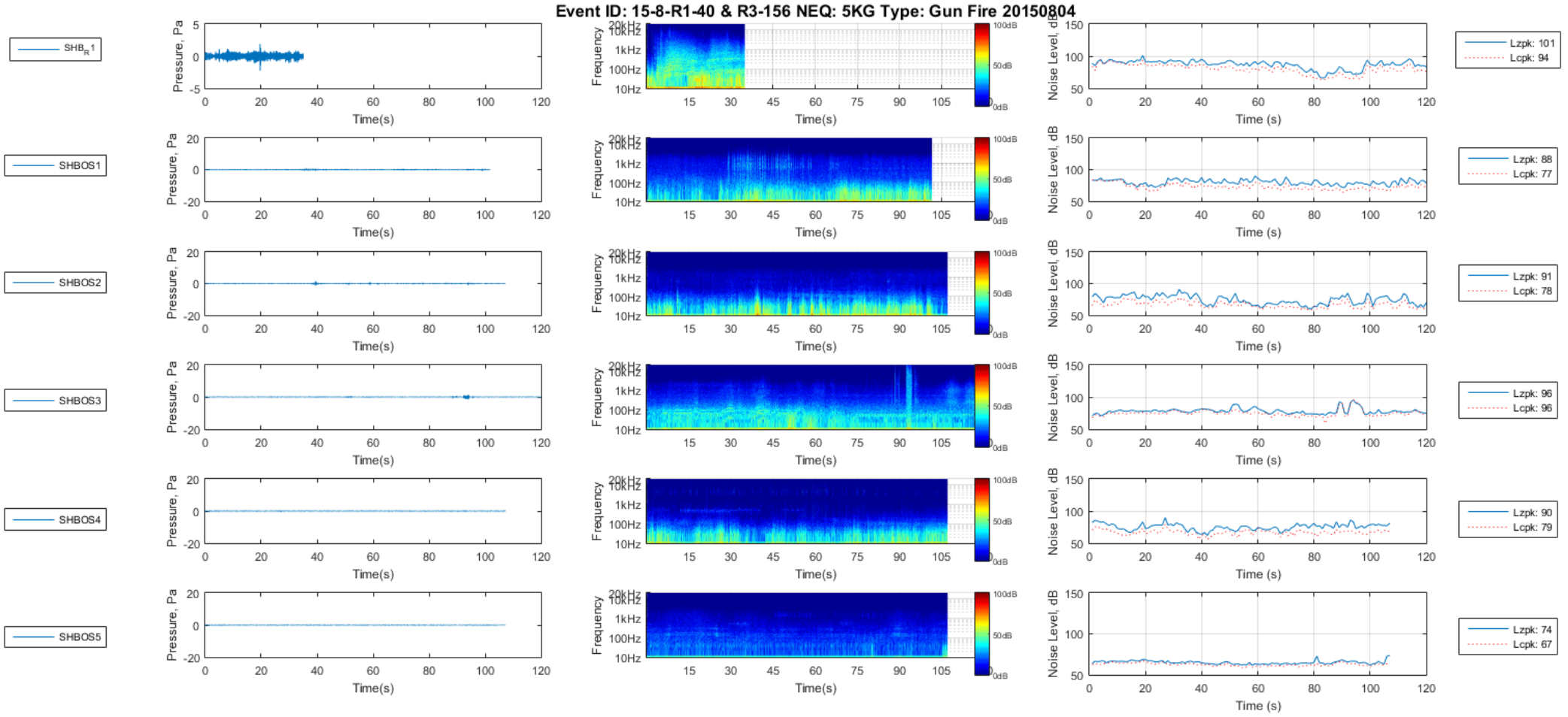


FIGURE 2.631: SHB_OS 1 - 5 15-8-R1-40 & R3-156

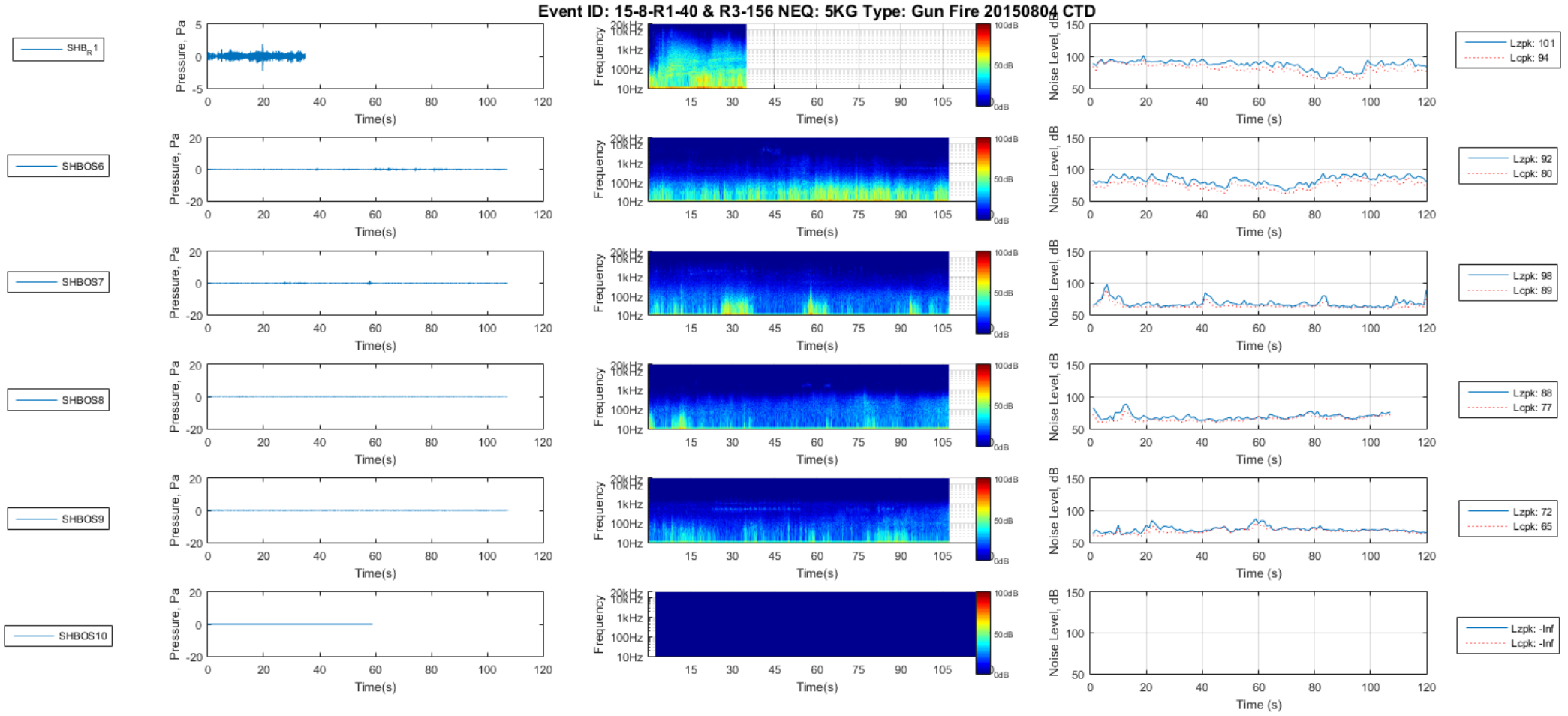


FIGURE 2.632: SHB_OS 6 - 10 15-8-R1-40 & R3-156

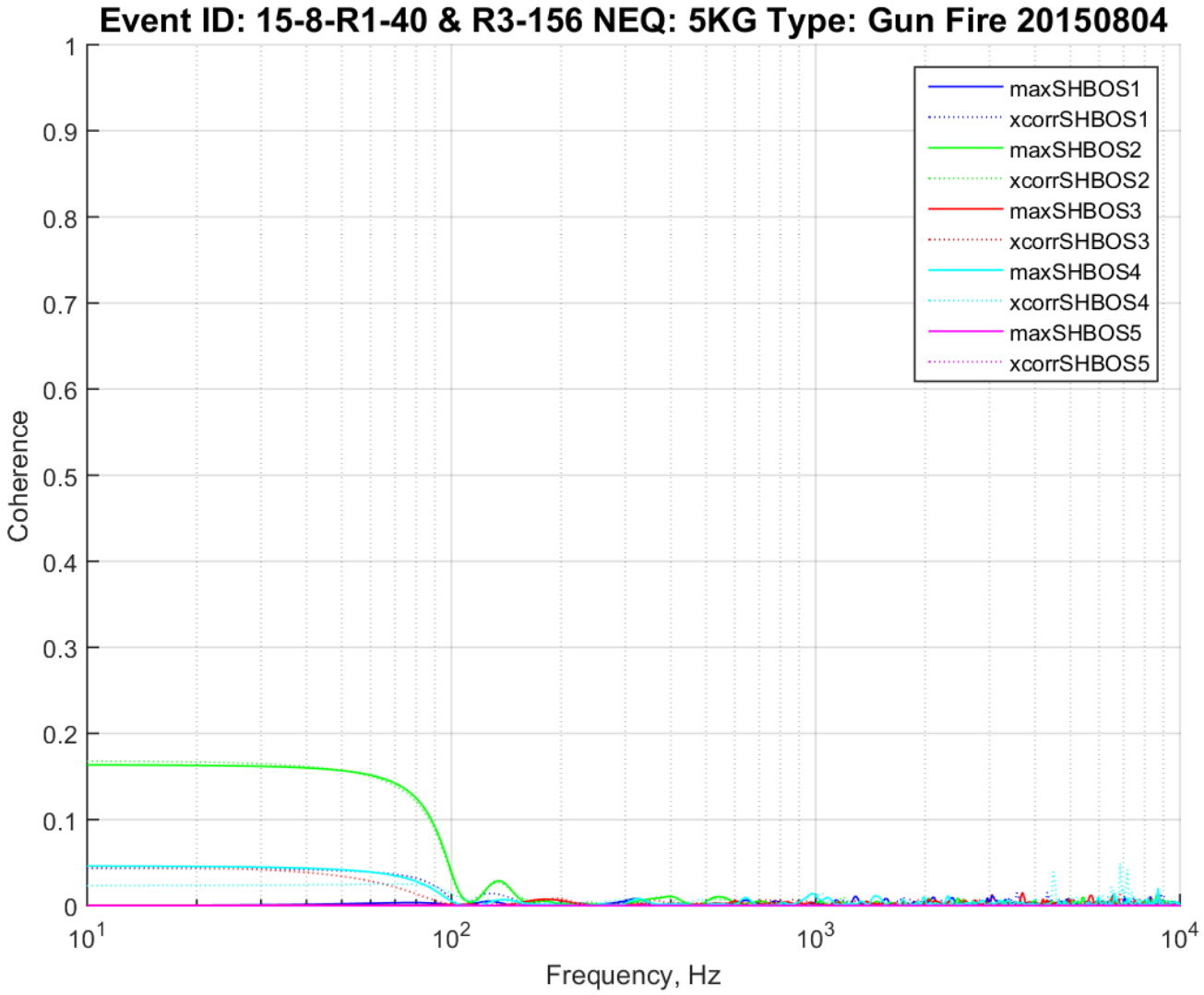


FIGURE 2.633: COHERENCE SHB_OS 1 - 5 15-8-R1-40 & R3-156

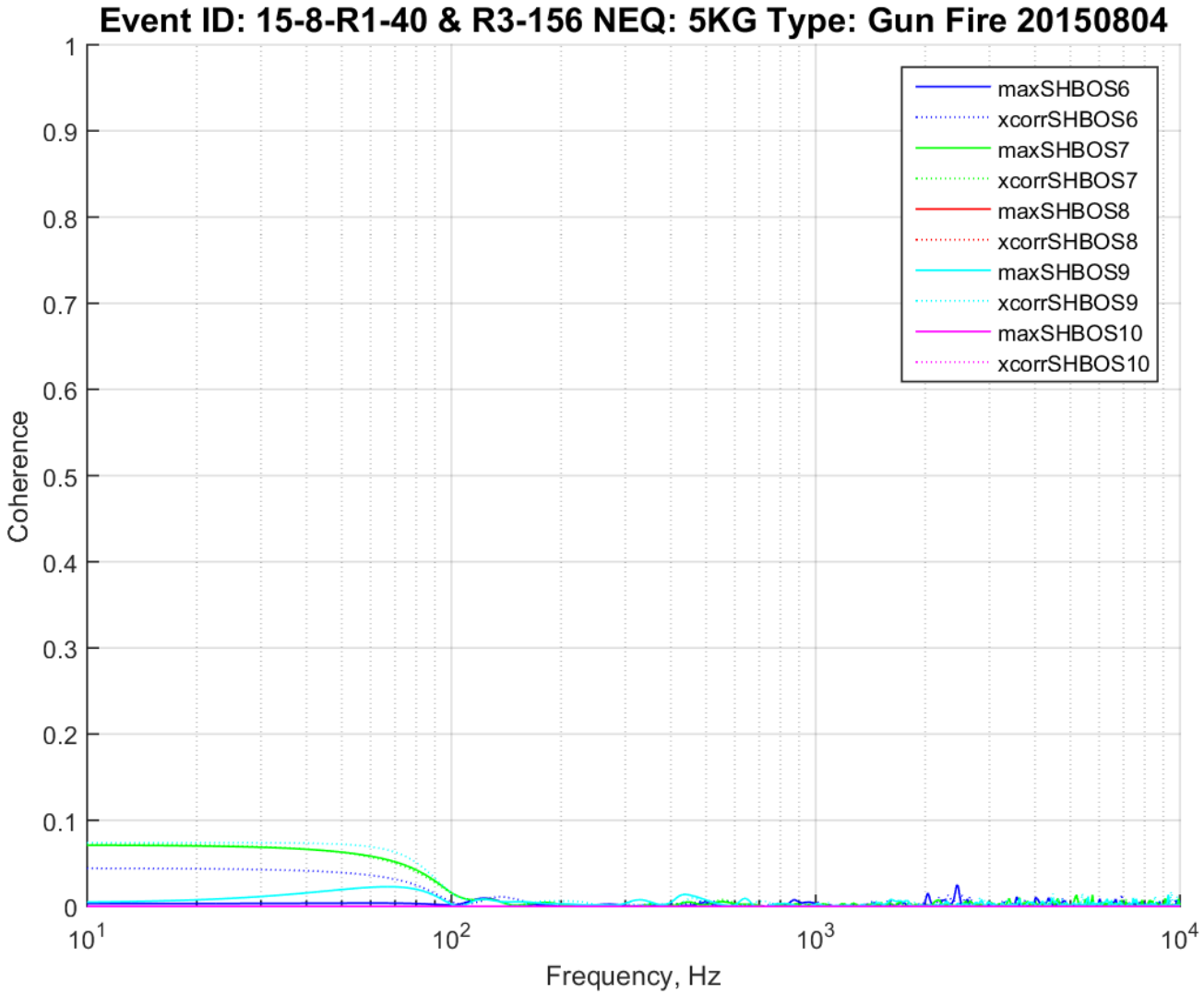


FIGURE 2.634: COHERENCE SHB_OS 6 - 10 15-8-R1-40 & R3-156CTD

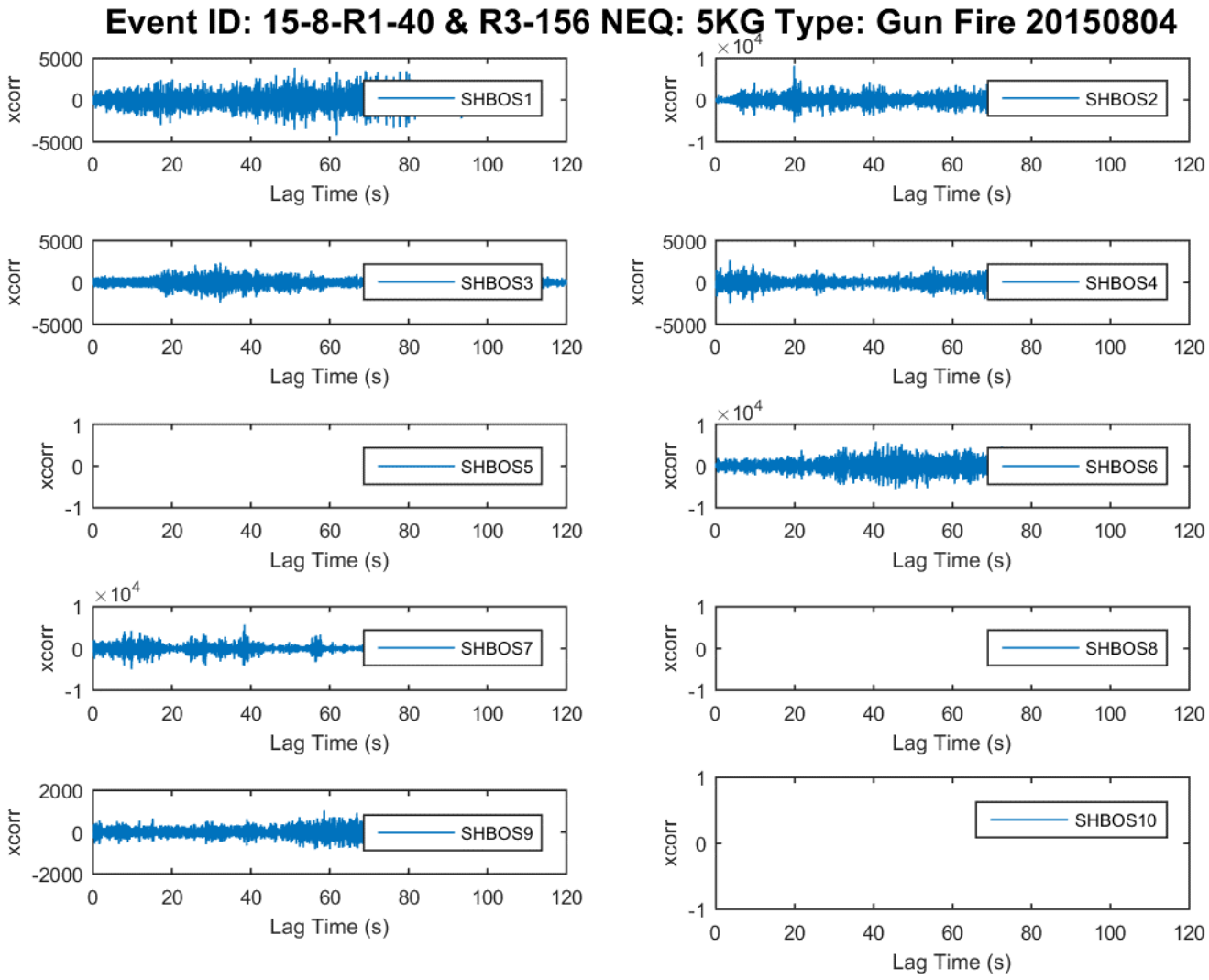
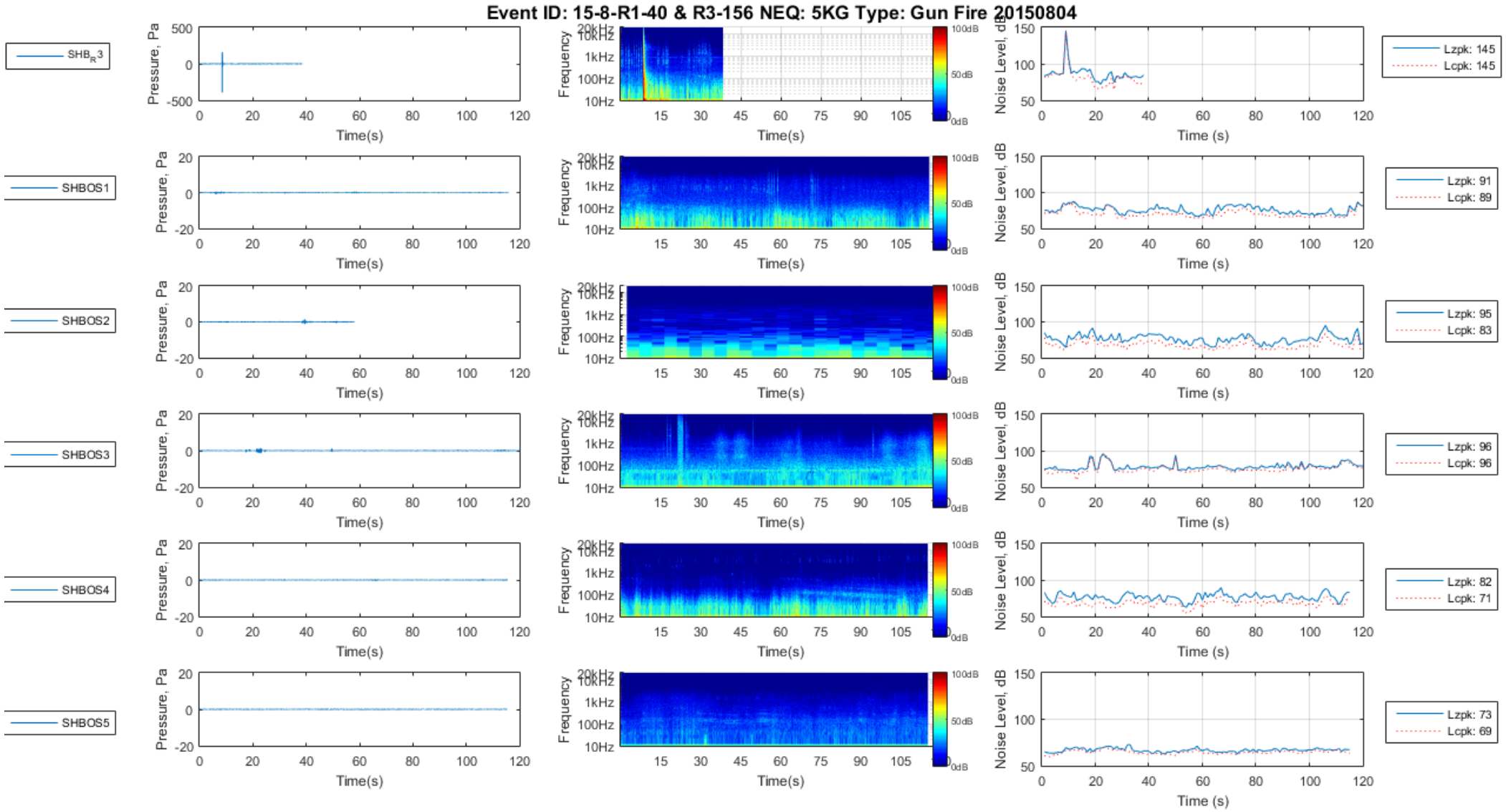
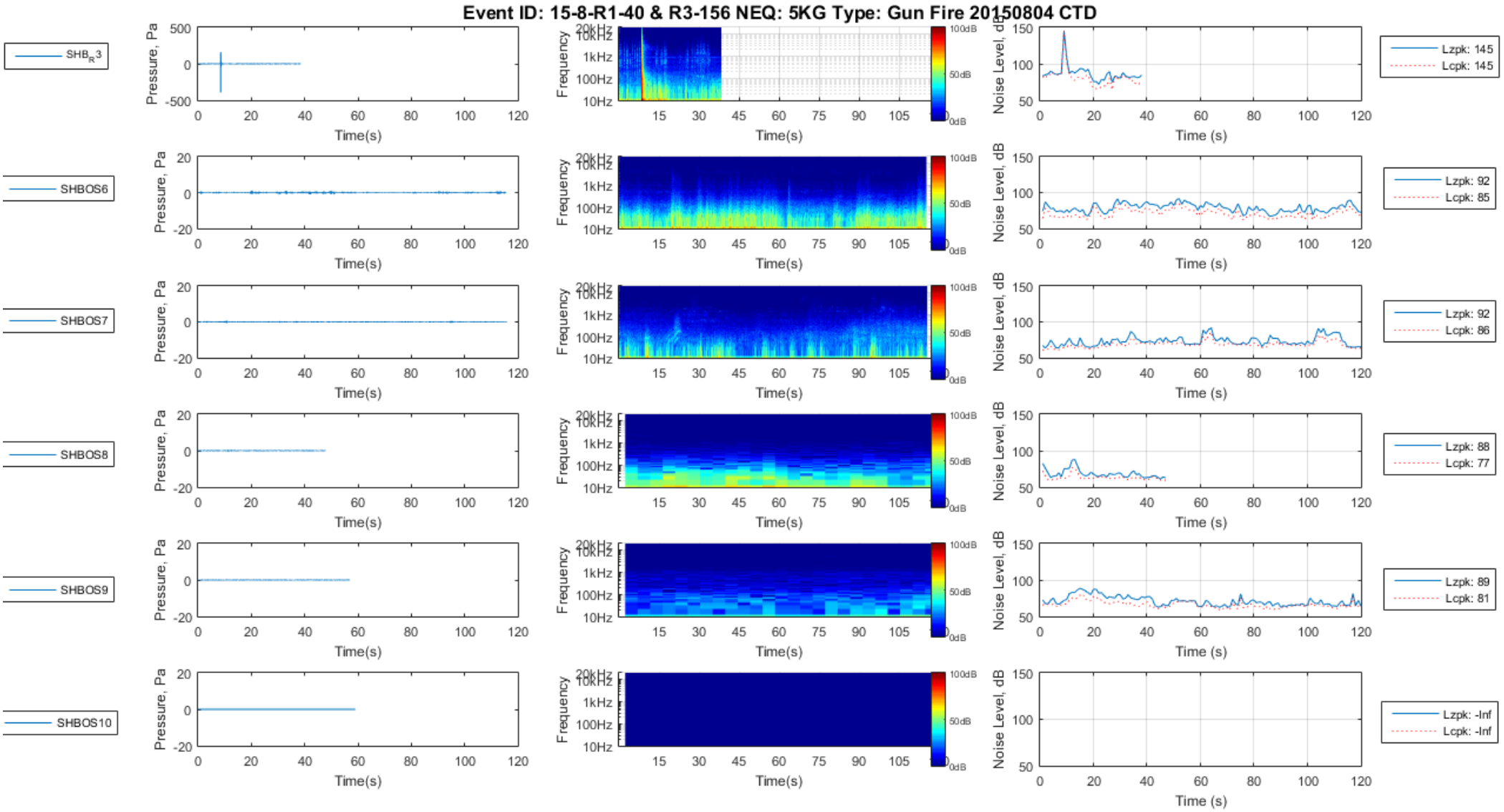


FIGURE 2.635: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-40 & R3-156


Event ID: 15-8-R1-40 & R3-156 NEQ: 5KG Type: Gun Fire 20150804
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 145
Lcpk: 145
Lzpk: 91
Lcpk: 89
Lzpk: 95
Lcpk: 83
Lzpk: 96
Lcpk: 96
Lzpk: 82
Lcpk: 71
Lzpk: 73
Lcpk: 69


Event ID: 15-8-R1-40 & R3-156 NEQ: 5KG Type: Gun Fire 20150804 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 145
Lcpk: 145
Lzpk: 92
Lcpk: 85
Lzpk: 92
Lcpk: 86
Lzpk: 88
Lcpk: 77
Lzpk: 89
Lcpk: 81
Lzpk: -Inf
Lcpk: -Inf

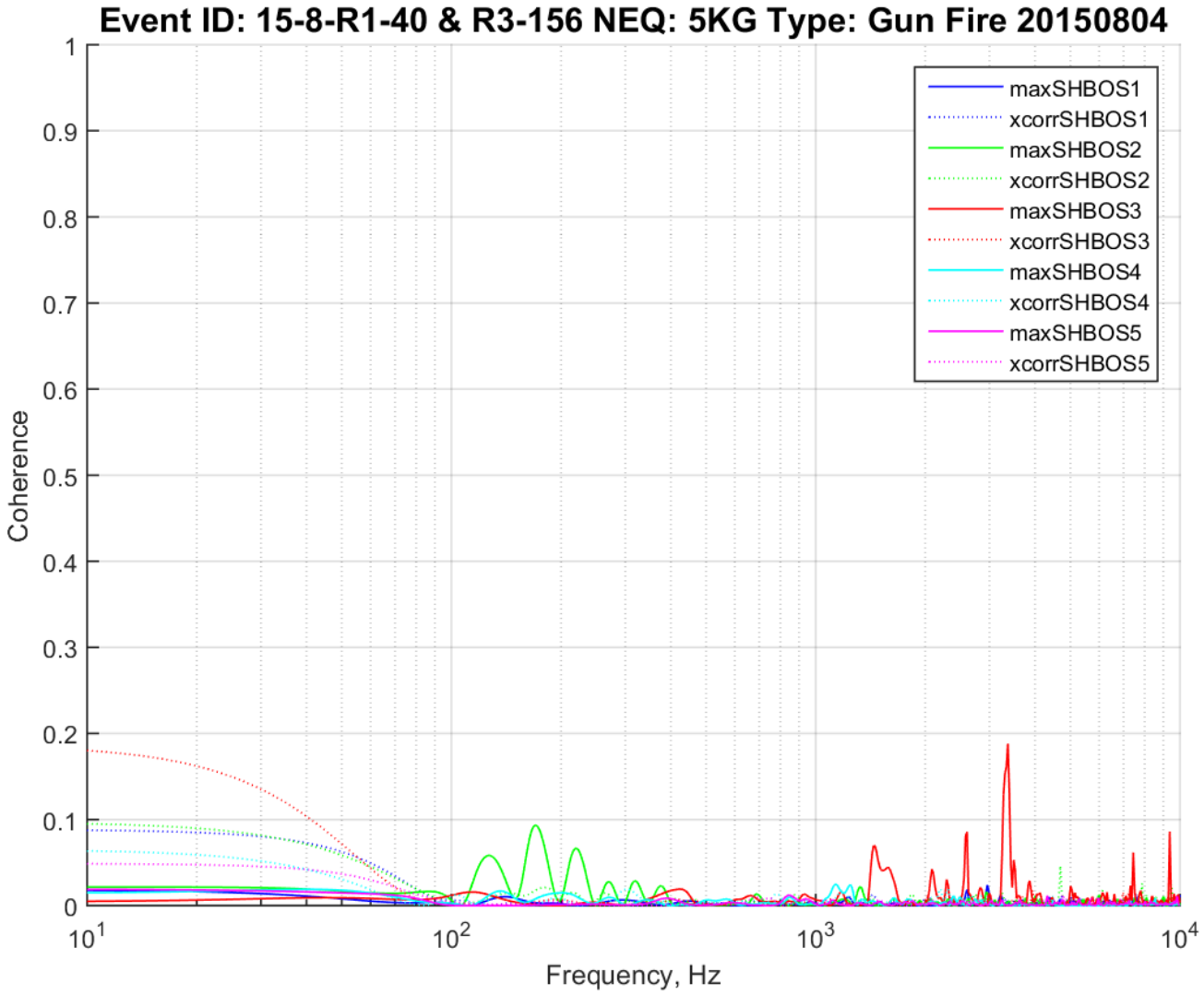


FIGURE 2.638: COHERENCE SHB_OS 1 - 5 15-8-R1-40 & R3-156

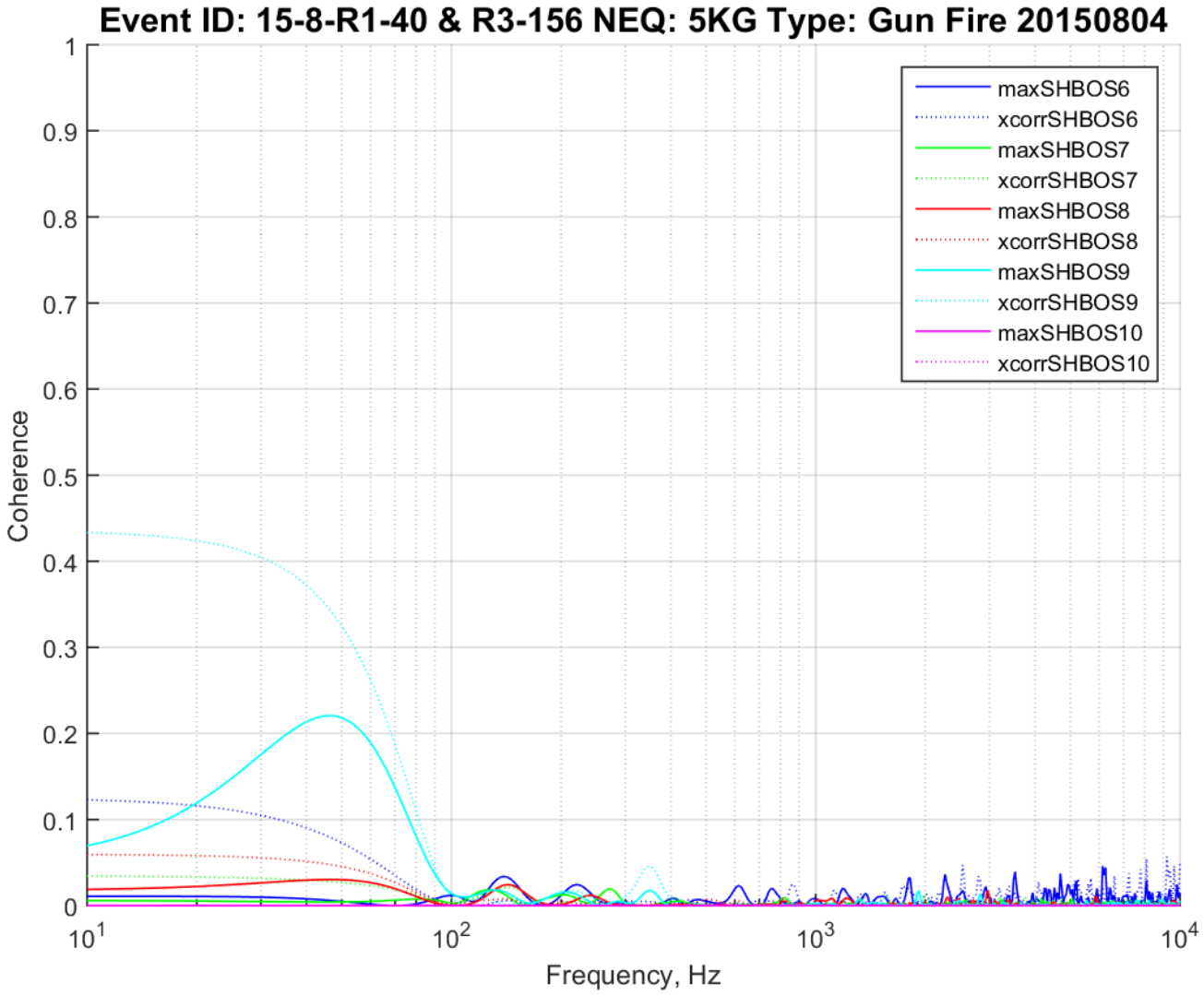


FIGURE 2.639: COHERENCE SHB_OS 6 - 10 15-8-R1-40 & R3-156CTD

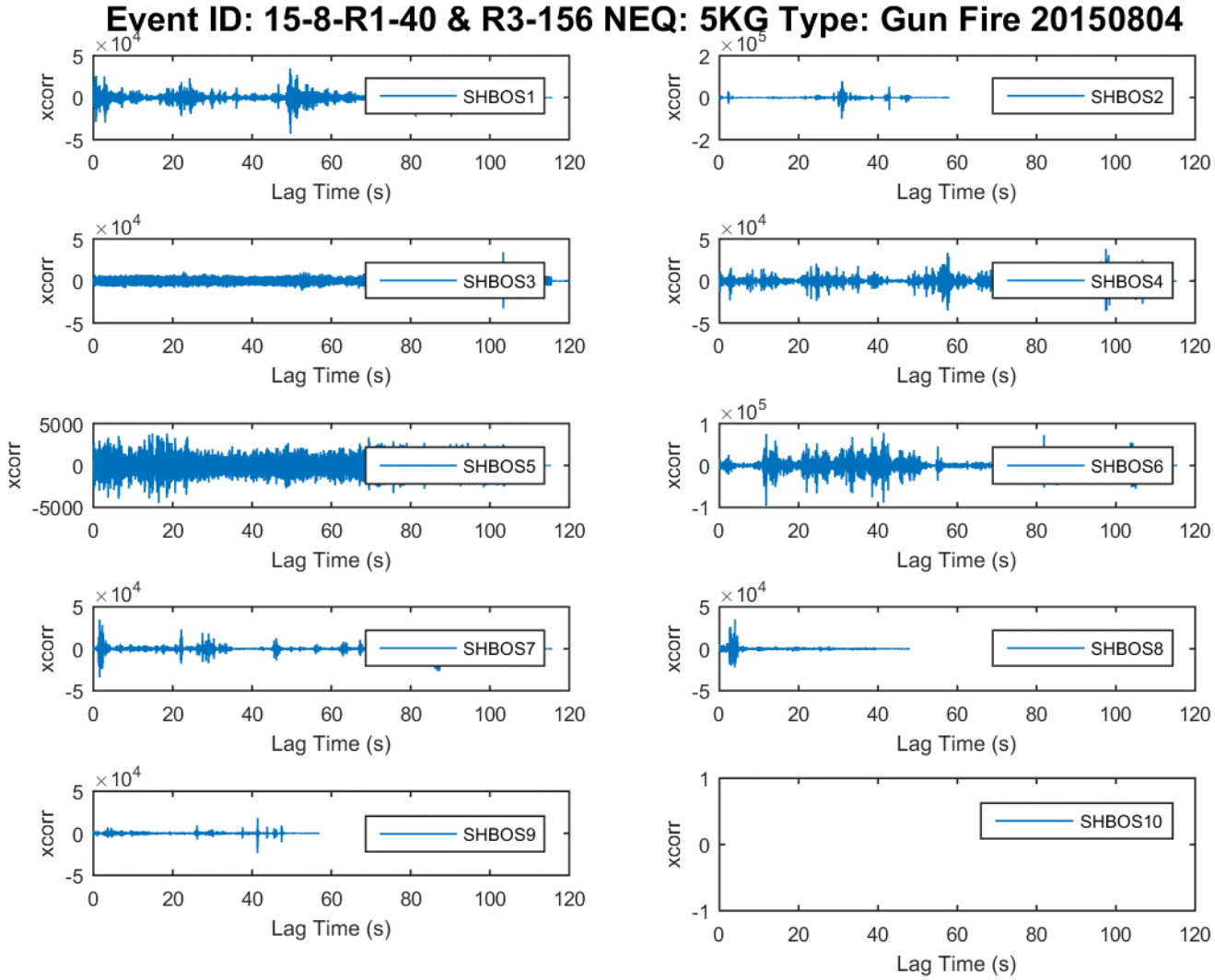


FIGURE 2.640: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-40 & R3-156

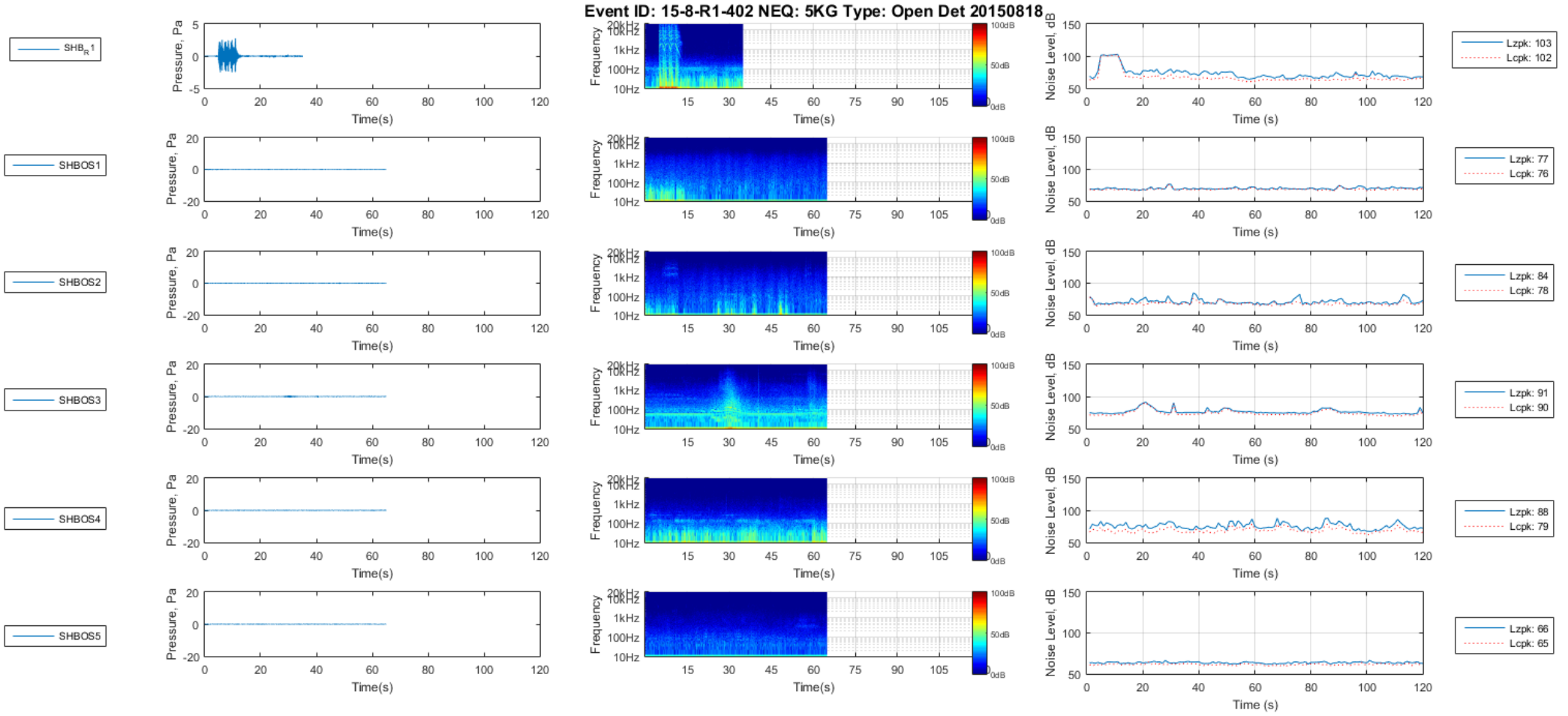


FIGURE 2.641: SHB_OS 1 - 5 15-8-R1-402

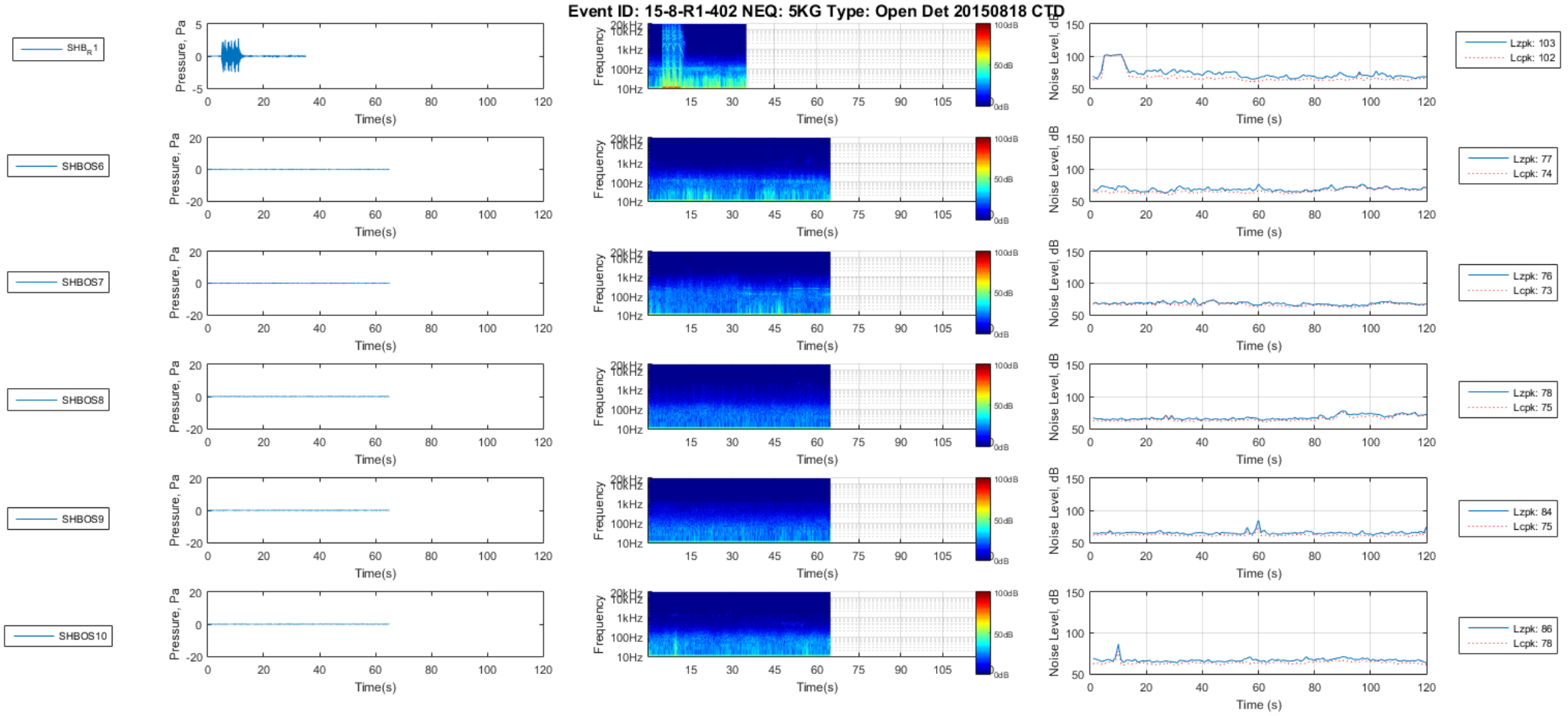


FIGURE 2.642: SHB_OS 6 - 10 15-8-R1-402

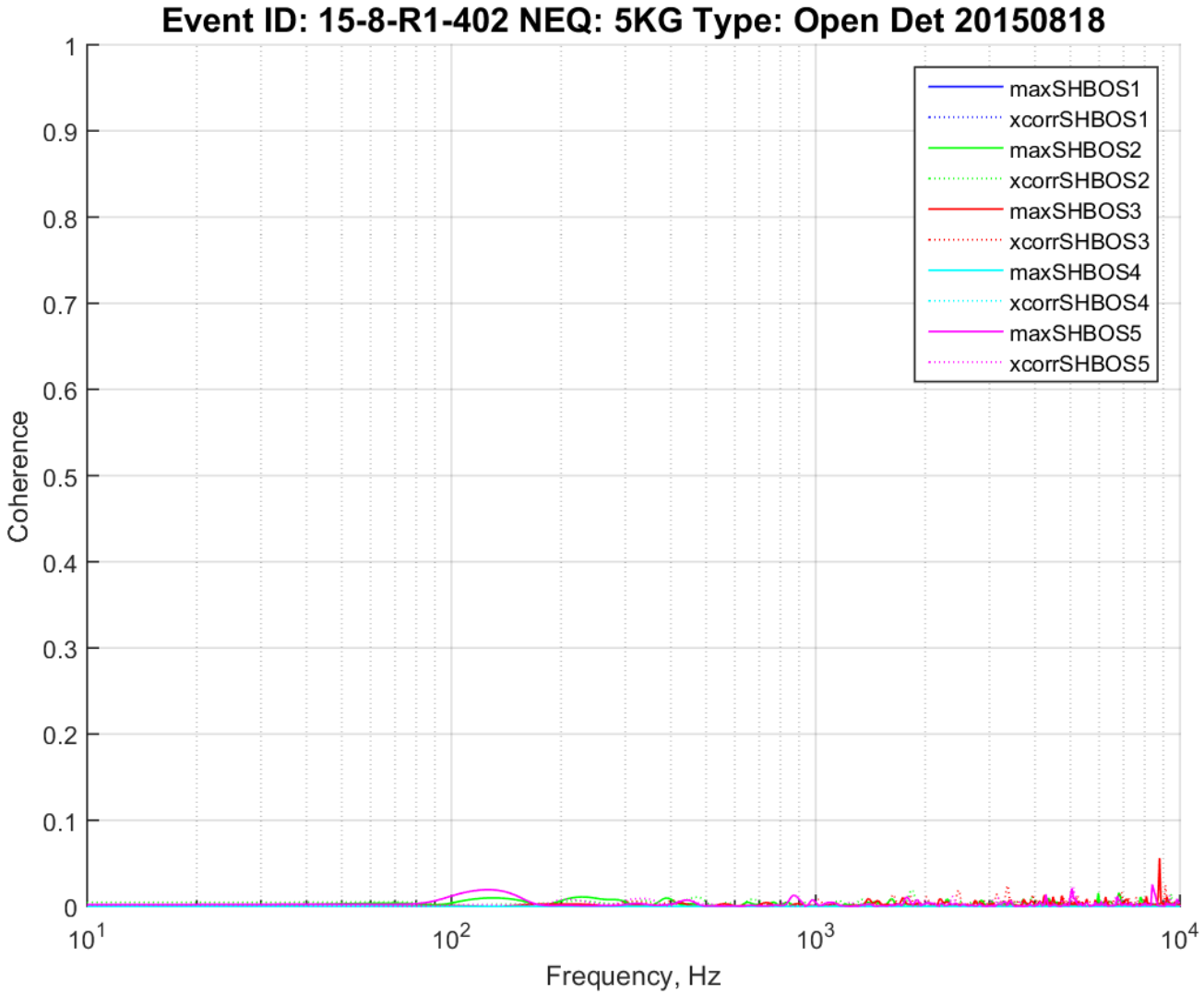


FIGURE 2.643: COHERENCE SHB_OS 1 - 5 15-8-R1-402

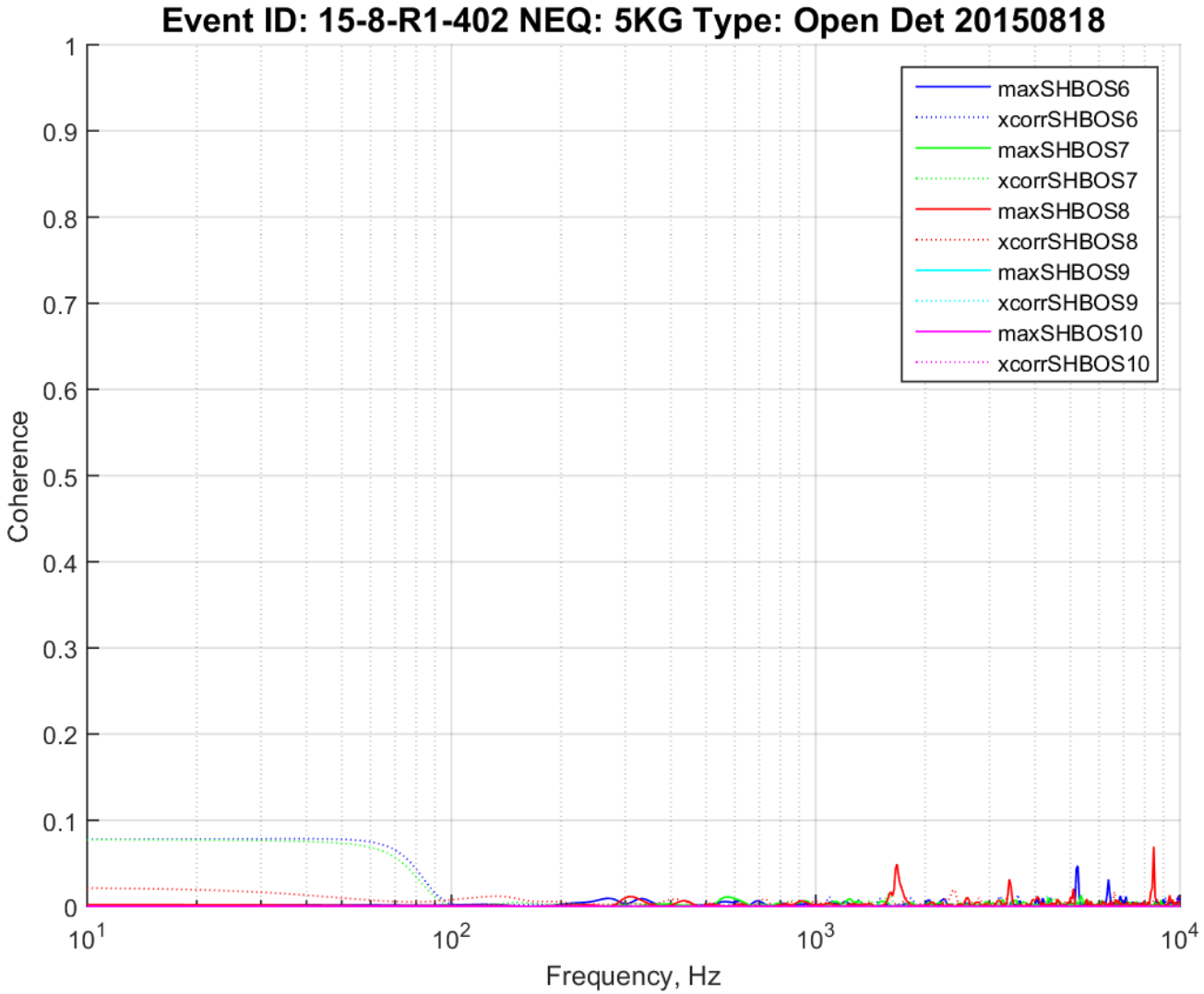


FIGURE 2.644: COHERENCE SHB_OS 6 - 10 15-8-R1-402CTD

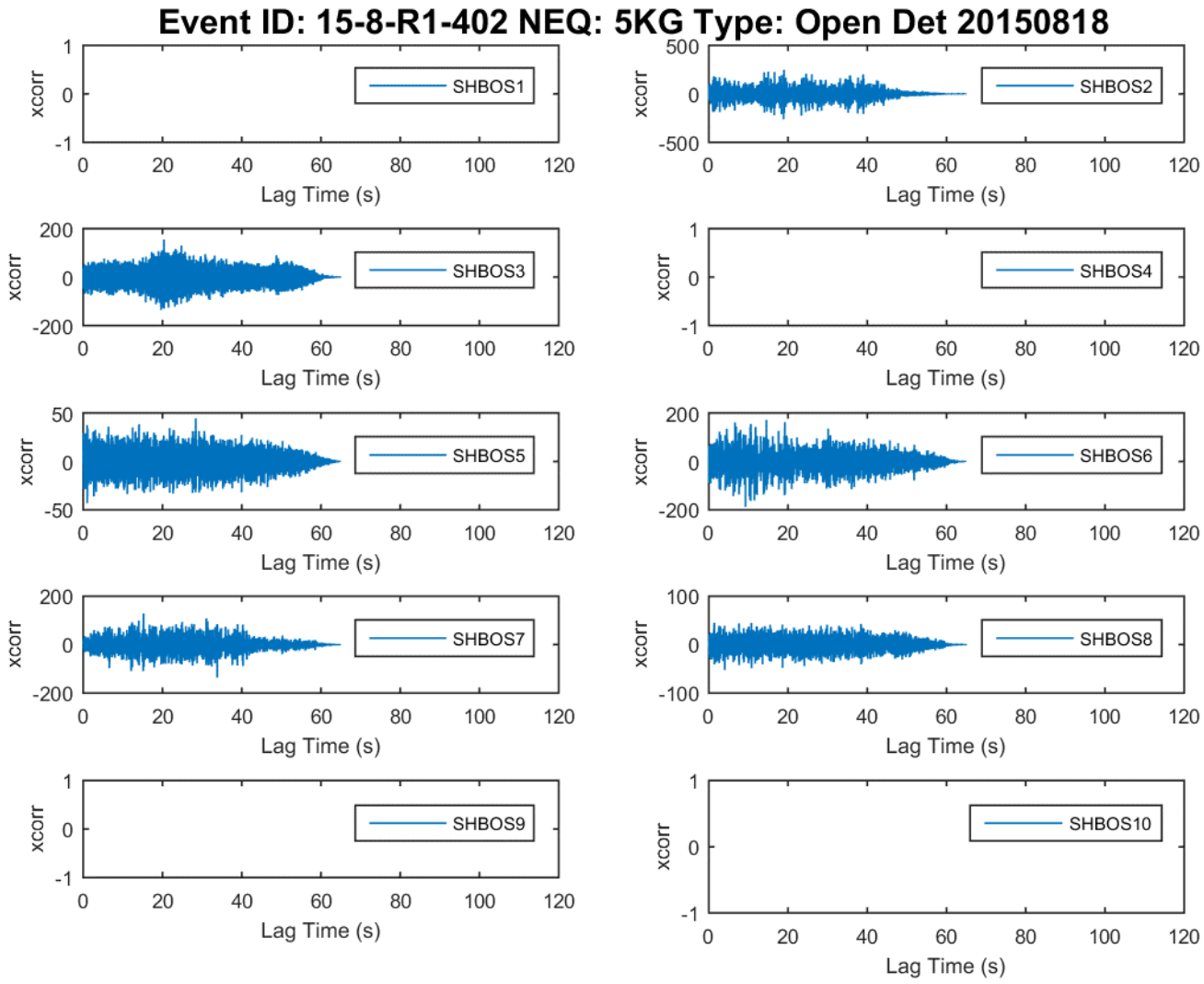


FIGURE 2.645: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-402

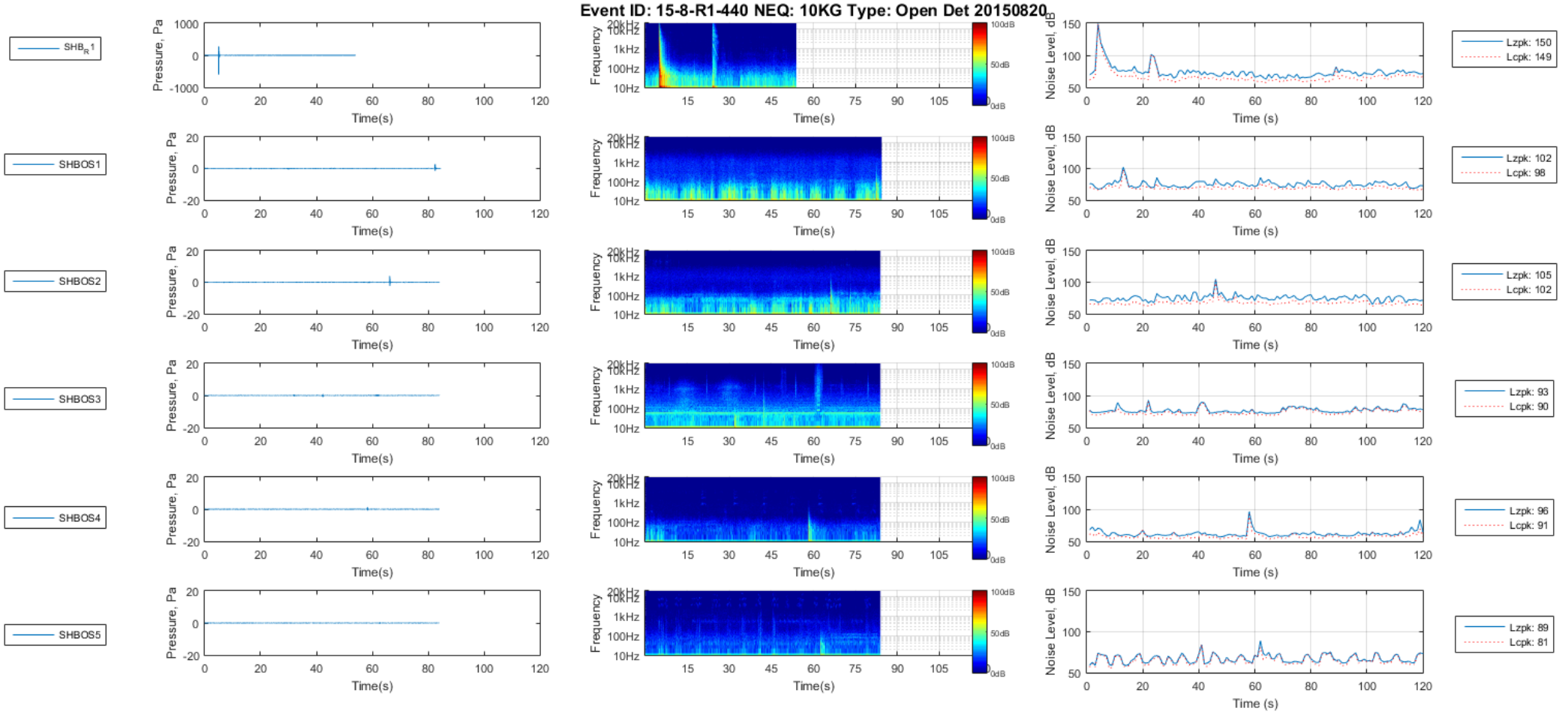


FIGURE 2.646: SHB_OS 1 - 5 15-8-R1-440

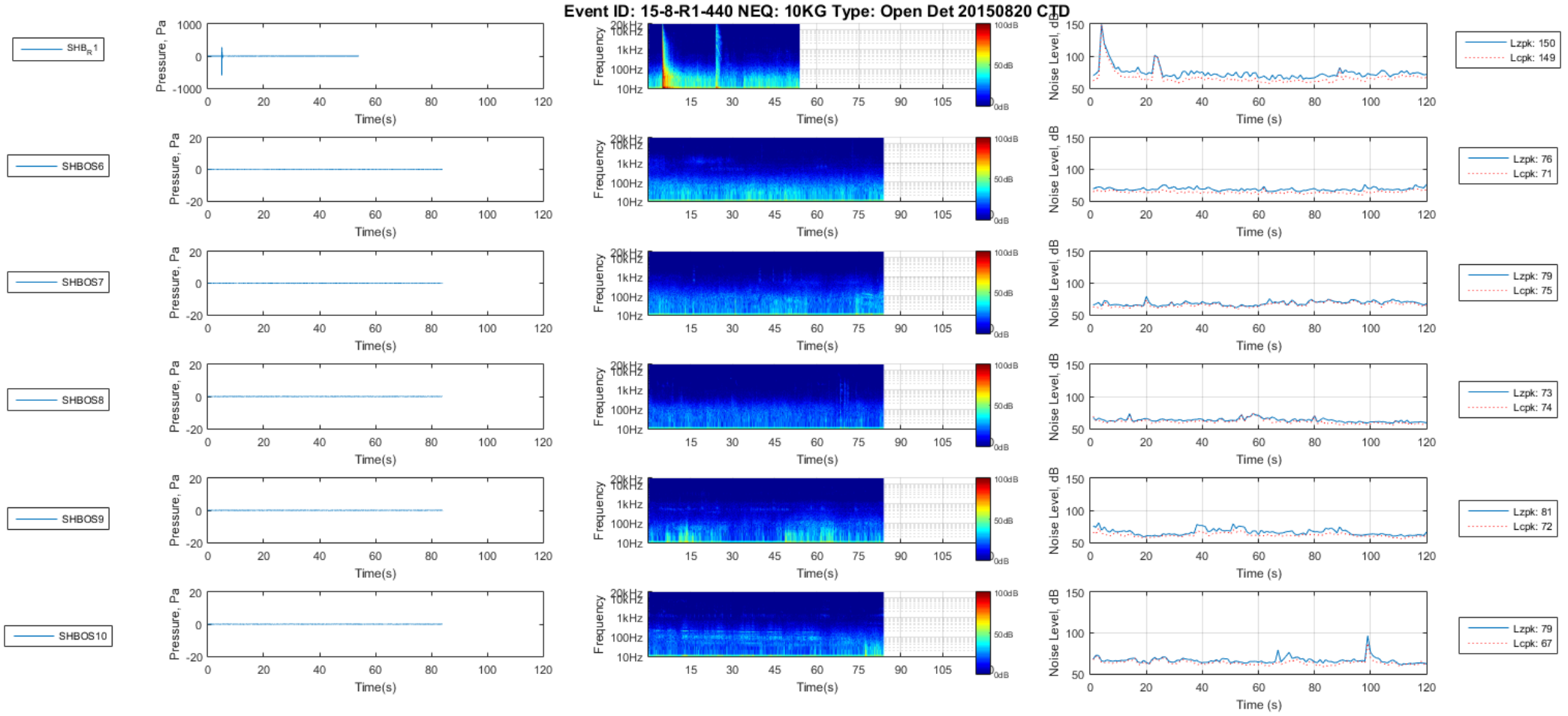


FIGURE 2.647: SHB_OS 6 - 10 15-8-R1-440

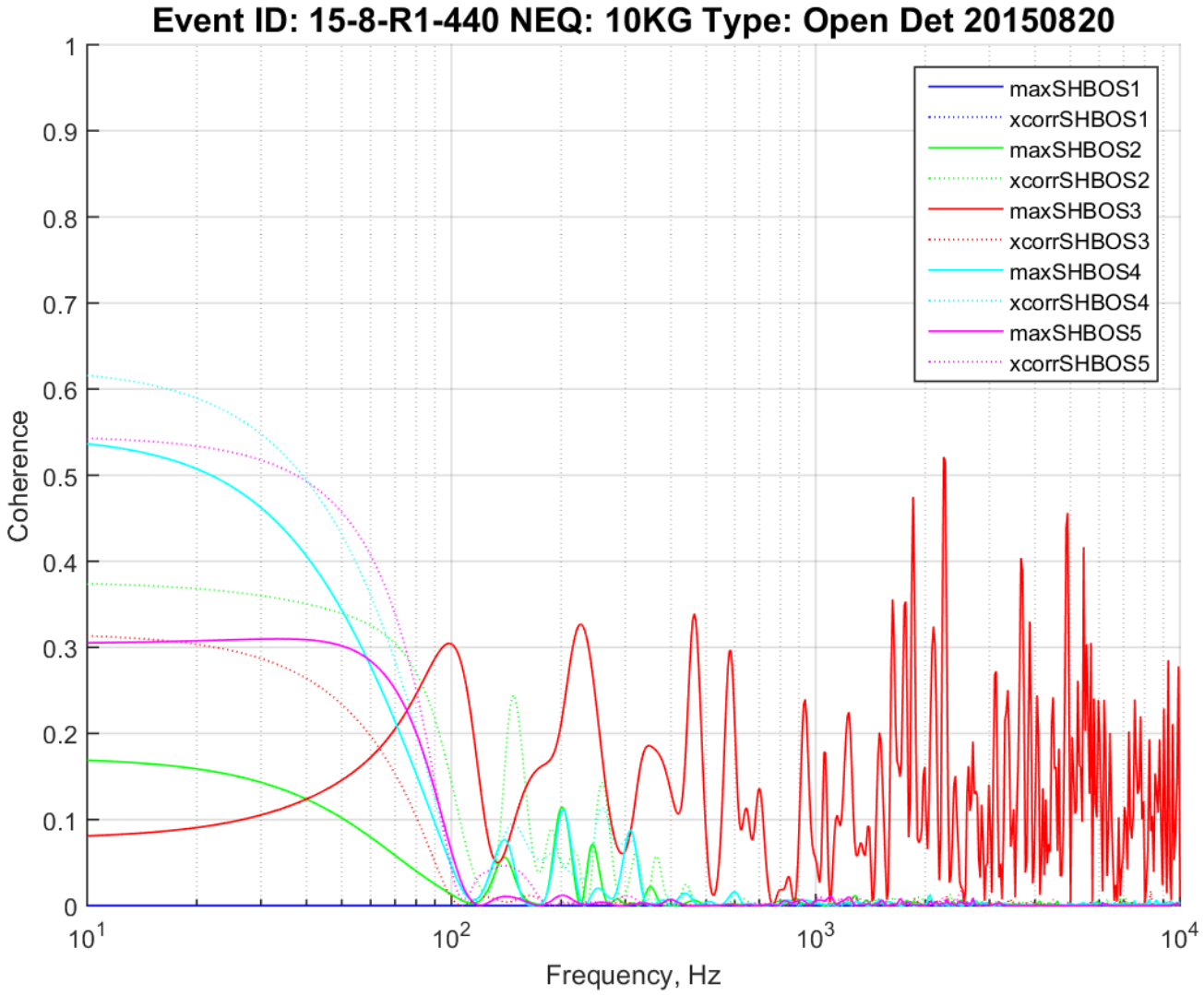


FIGURE 2.648: COHERENCE SHB_OS 1 - 5 15-8-R1-440

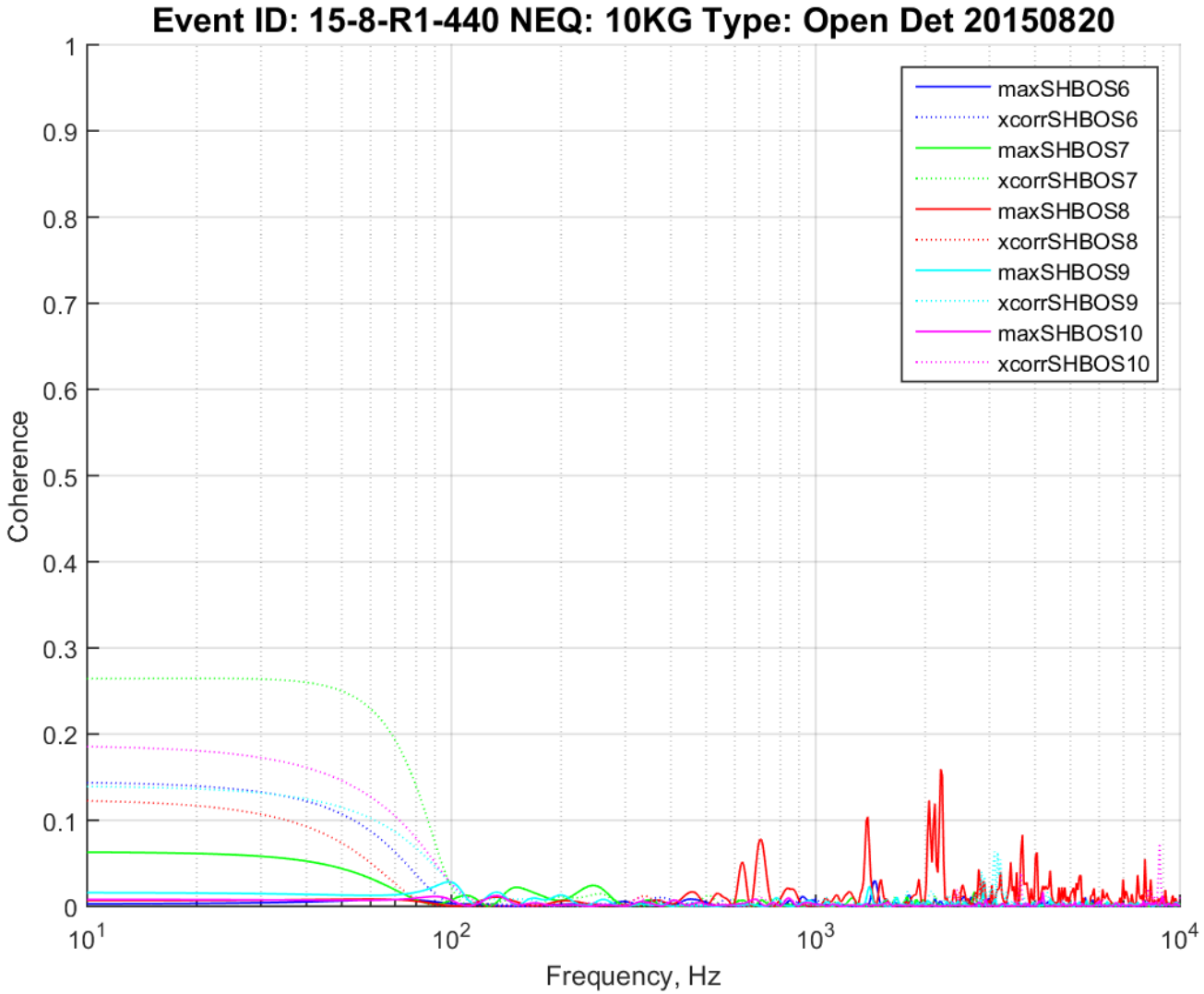


FIGURE 2.649: COHERENCE SHB_OS 6 - 10 15-8-R1-440CTD

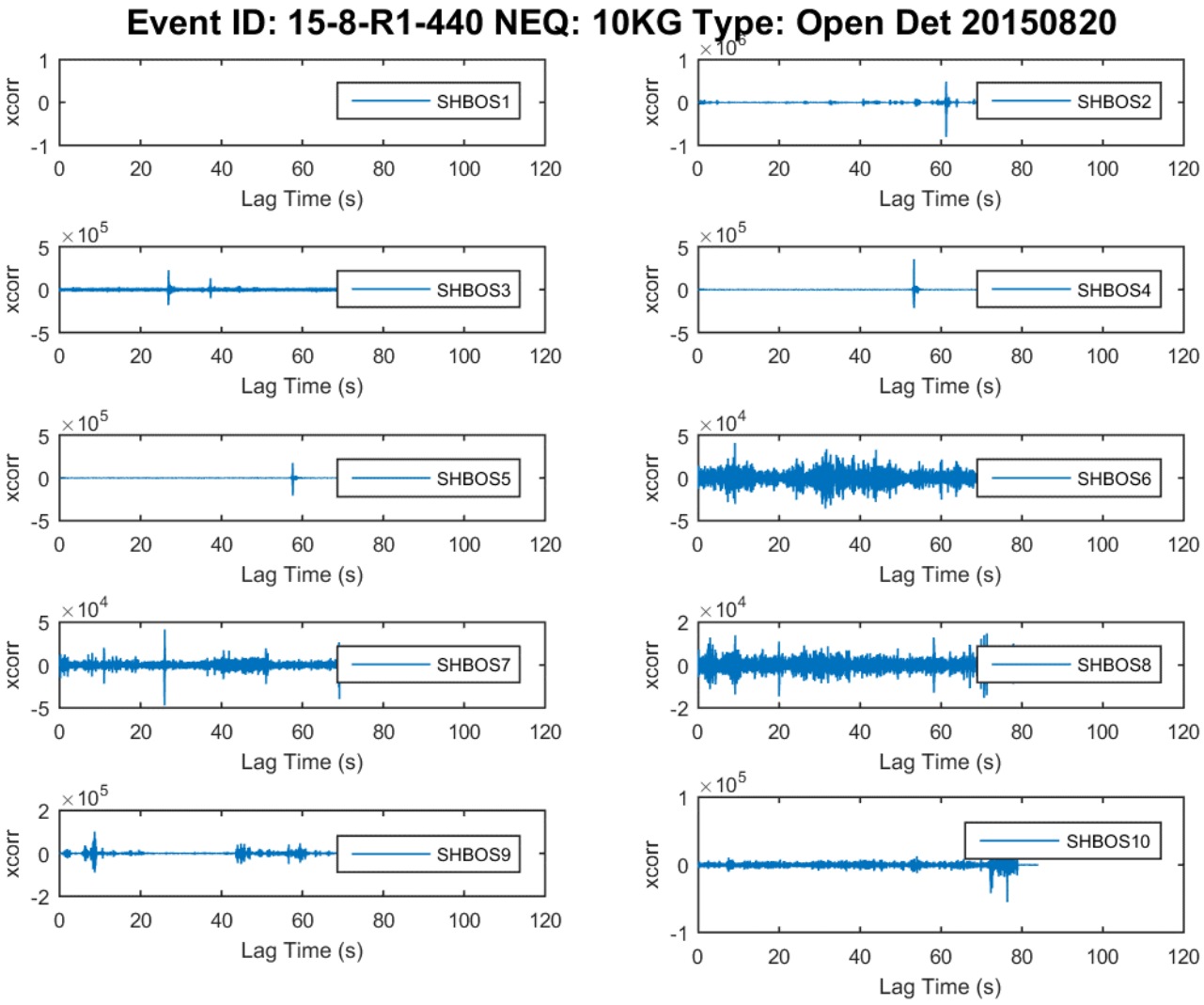


FIGURE 2.650: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-440

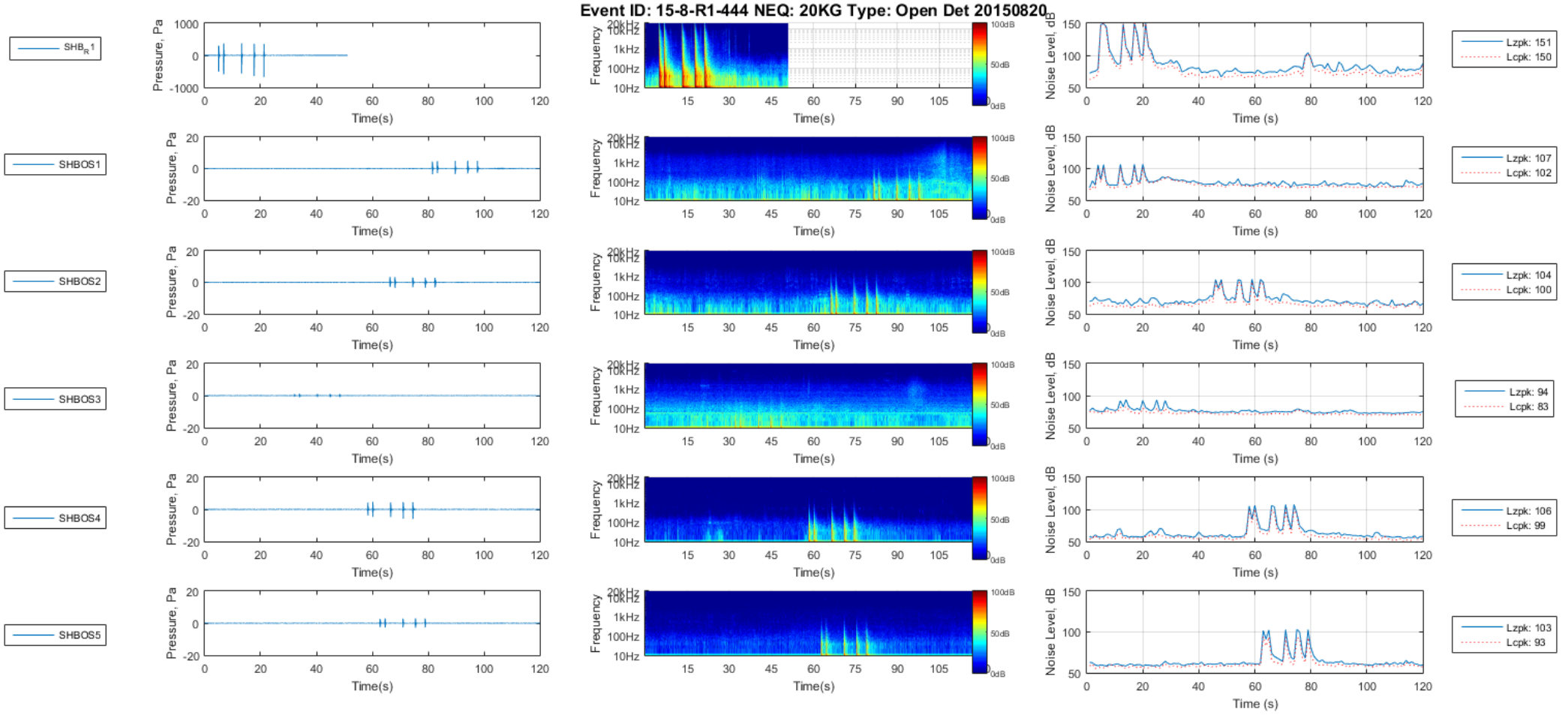


FIGURE 2.651: SHB_OS 1 - 5 15-8-R1-444

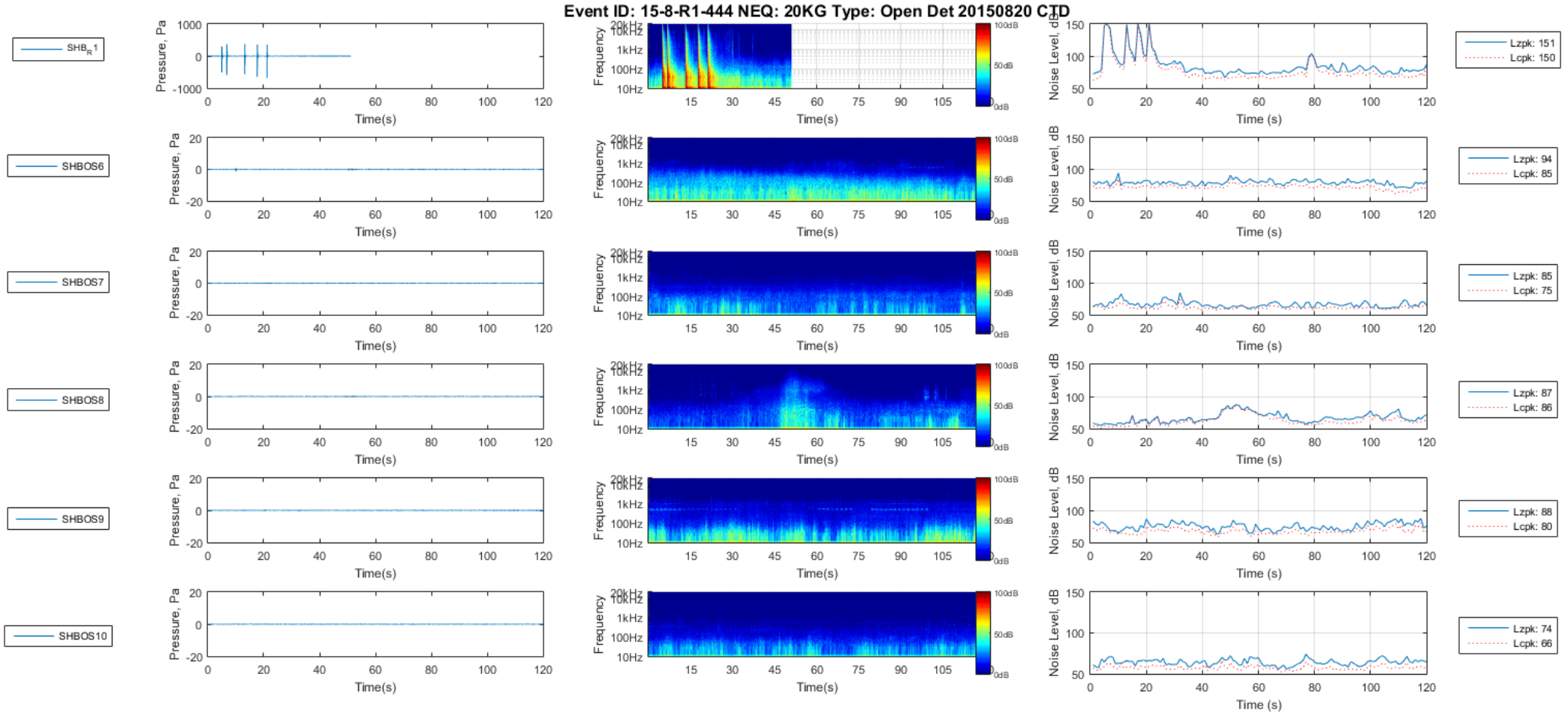


FIGURE 2.652: SHB_OS 6 - 10 15-8-R1-444

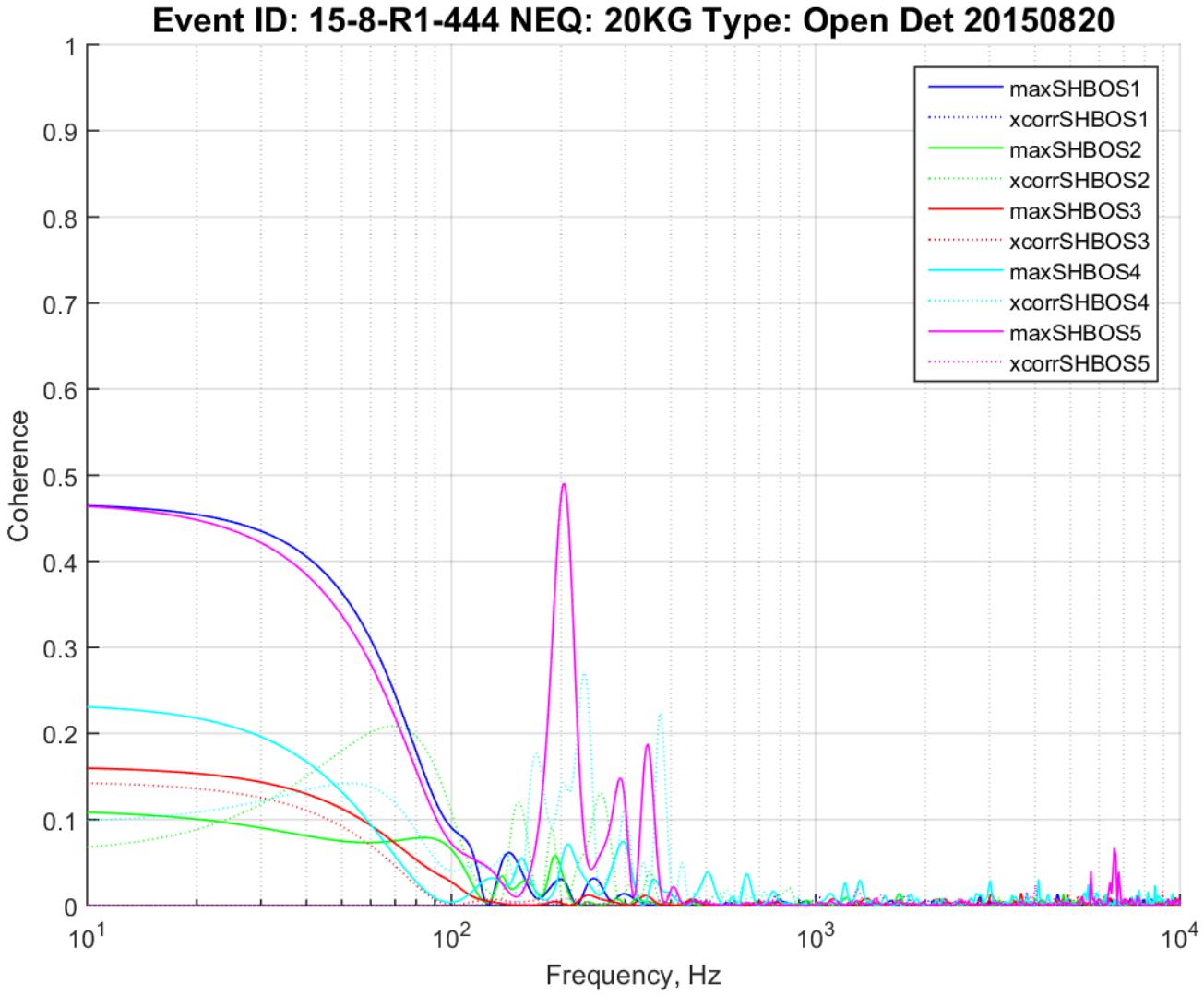


FIGURE 2.653: COHERENCE SHB_OS 1 - 5 15-8-R1-444

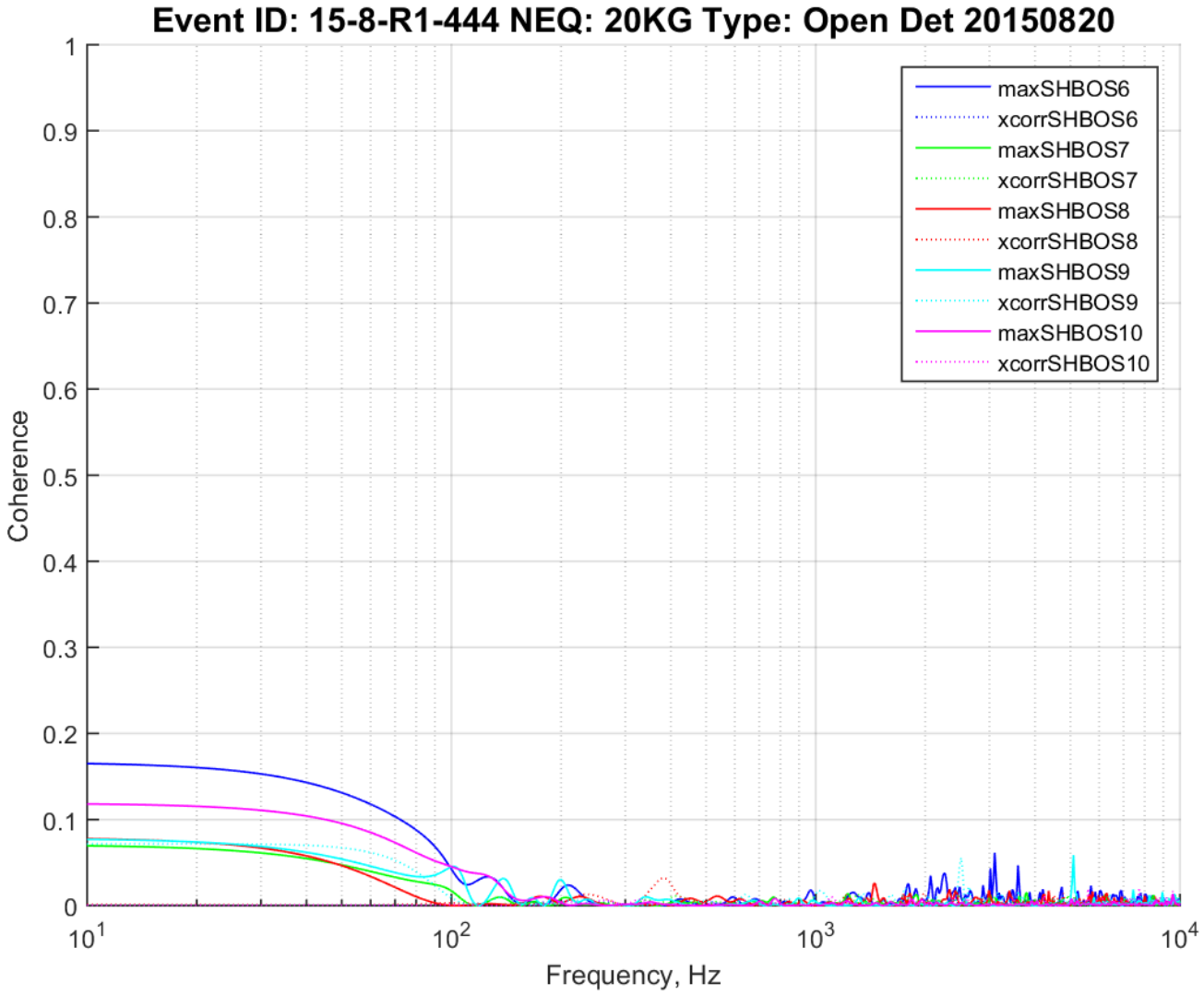


FIGURE 2.654: COHERENCE SHB_OS 6 - 10 15-8-R1-444CTD

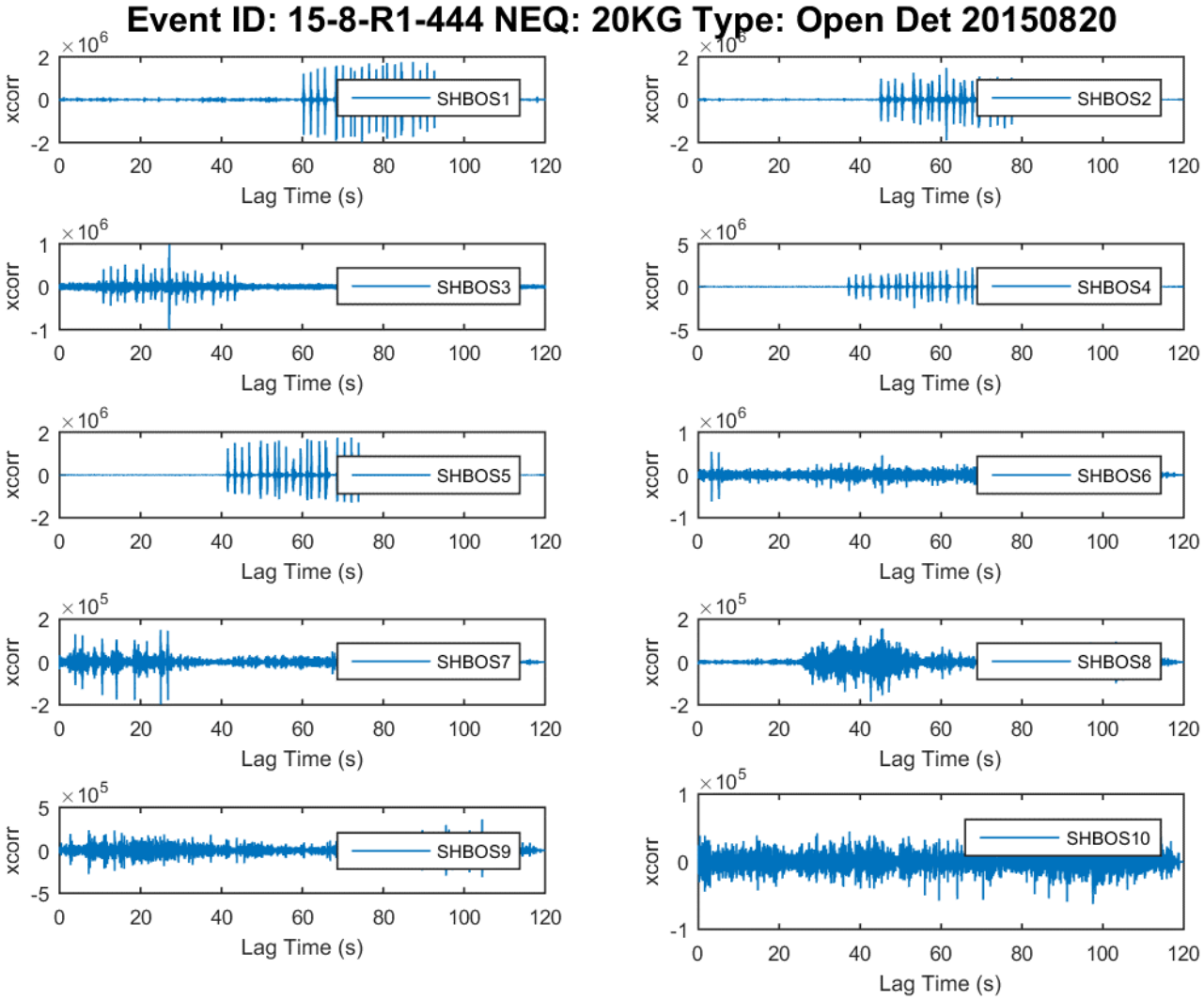


FIGURE 2.655: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-444

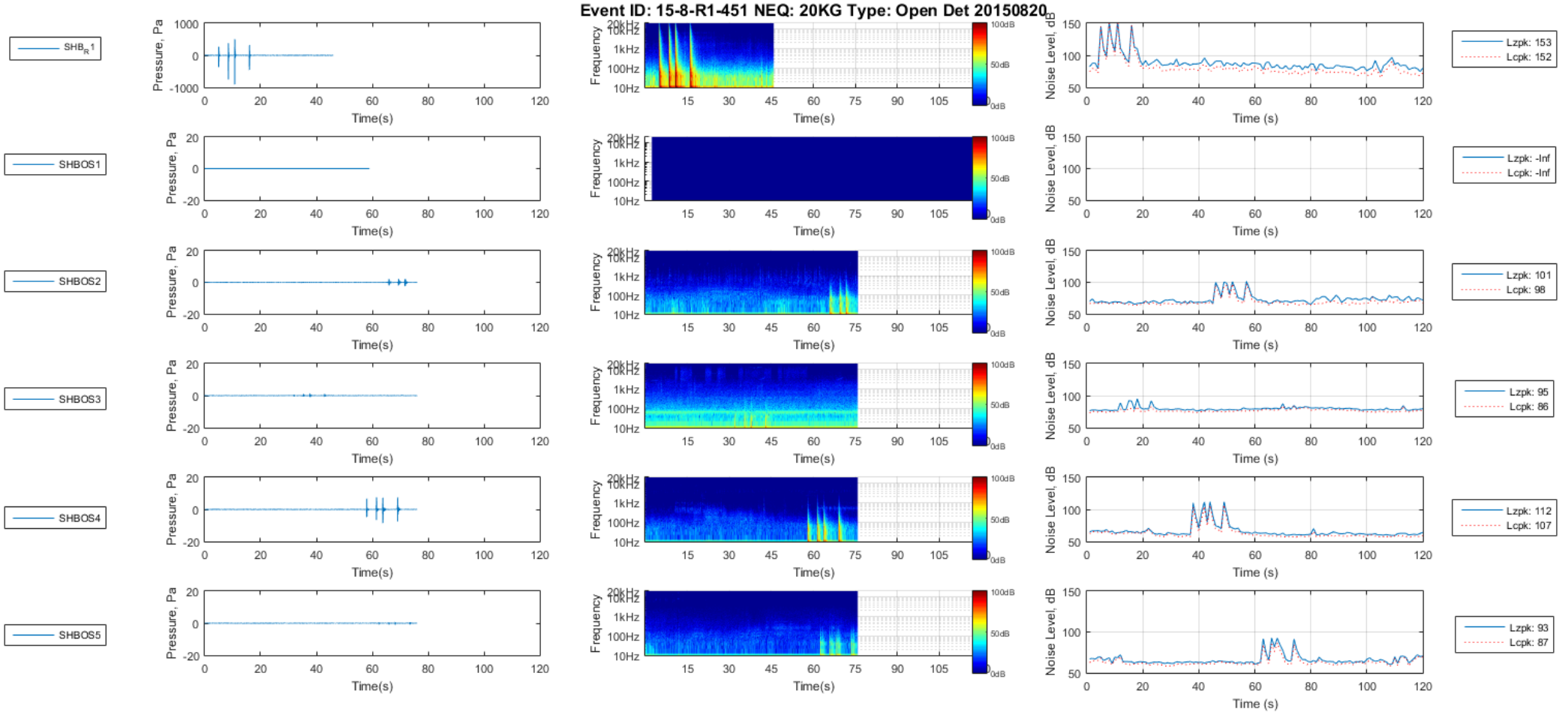


FIGURE 2.656: SHB_OS 1 - 5 15-8-R1-451

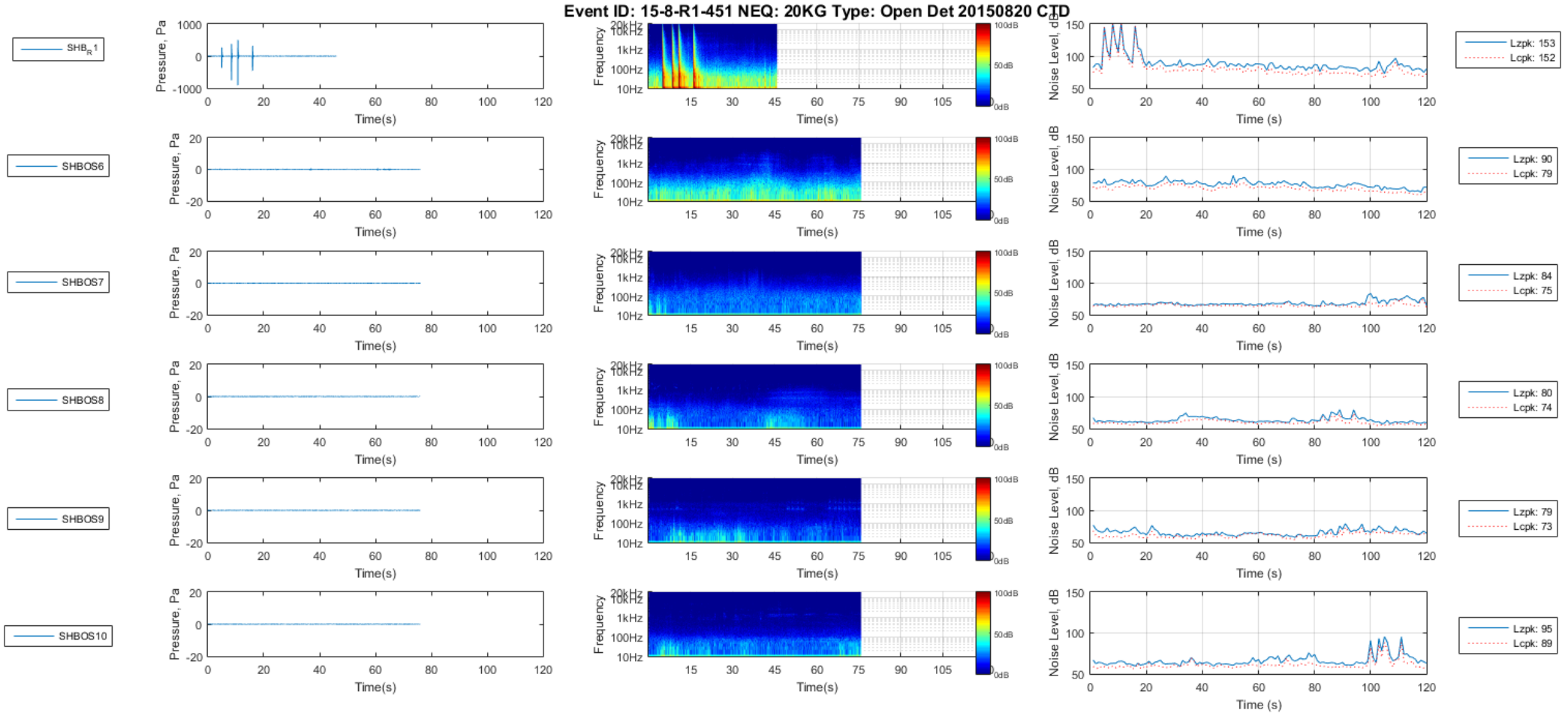


FIGURE 2.657: SHB_OS 6 - 10 15-8-R1-451

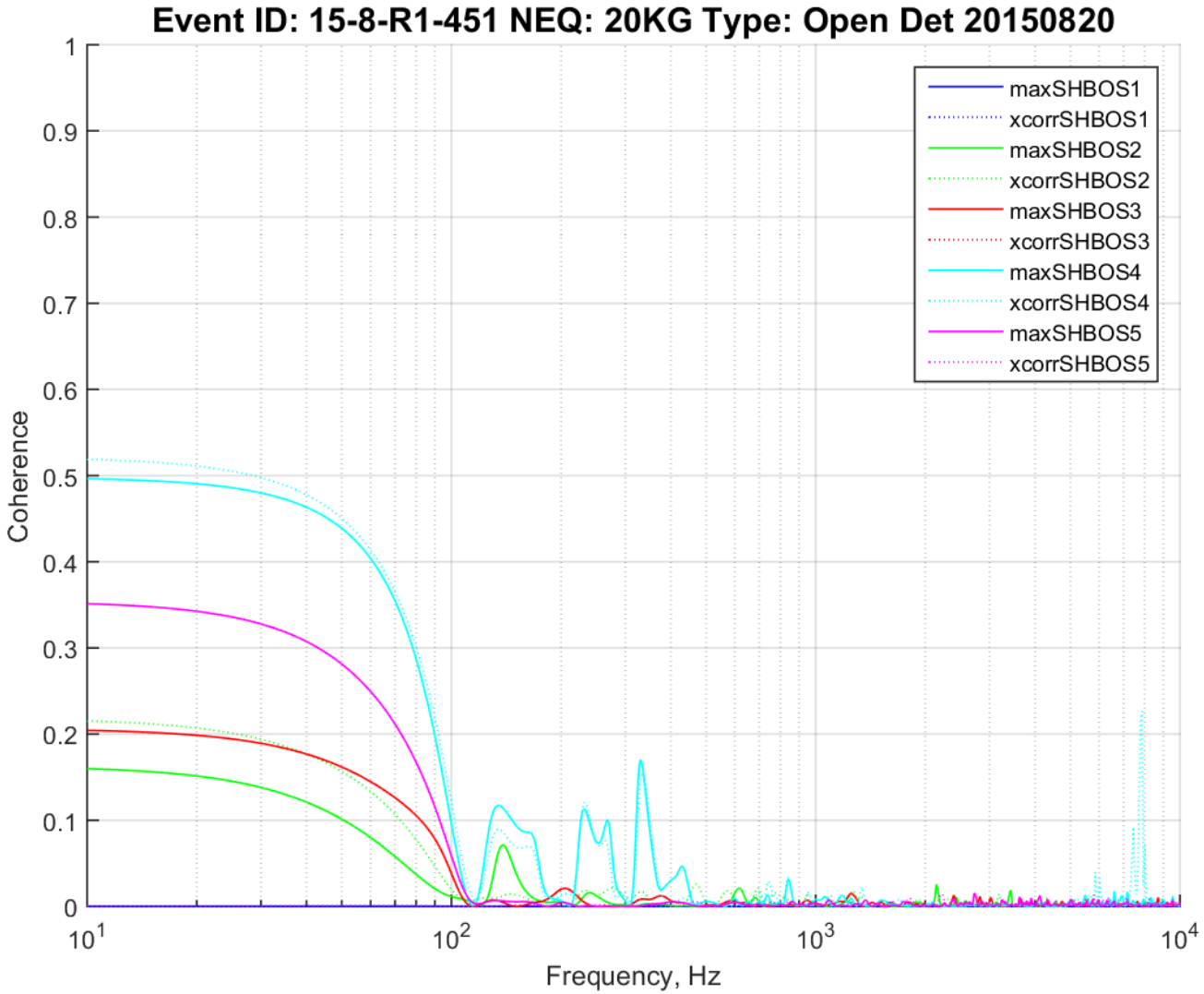


FIGURE 2.658: COHERENCE SHB_OS 1 - 5 15-8-R1-451

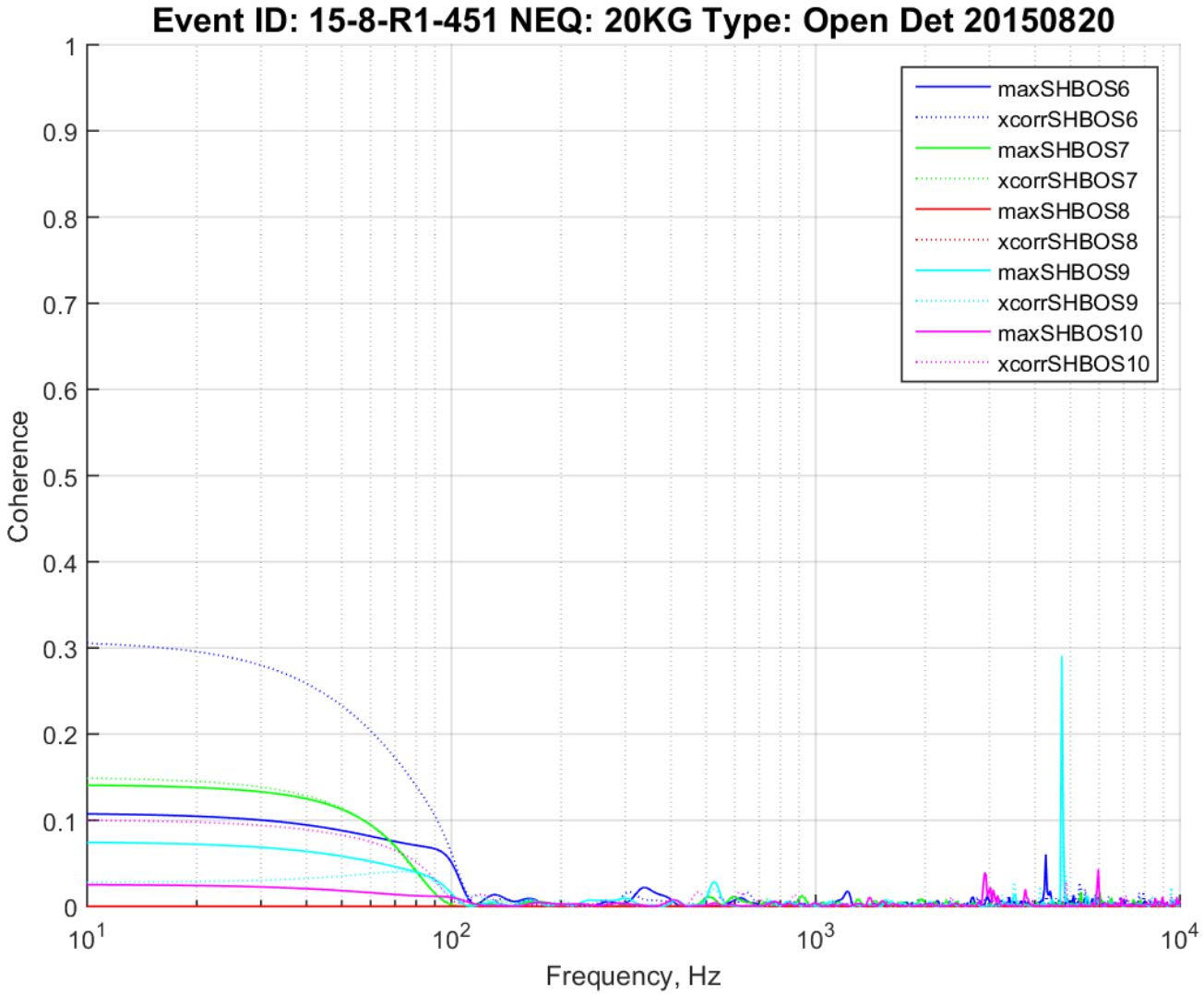


FIGURE 2.659: COHERENCE SHB_OS 6 - 10 15-8-R1-451CTD

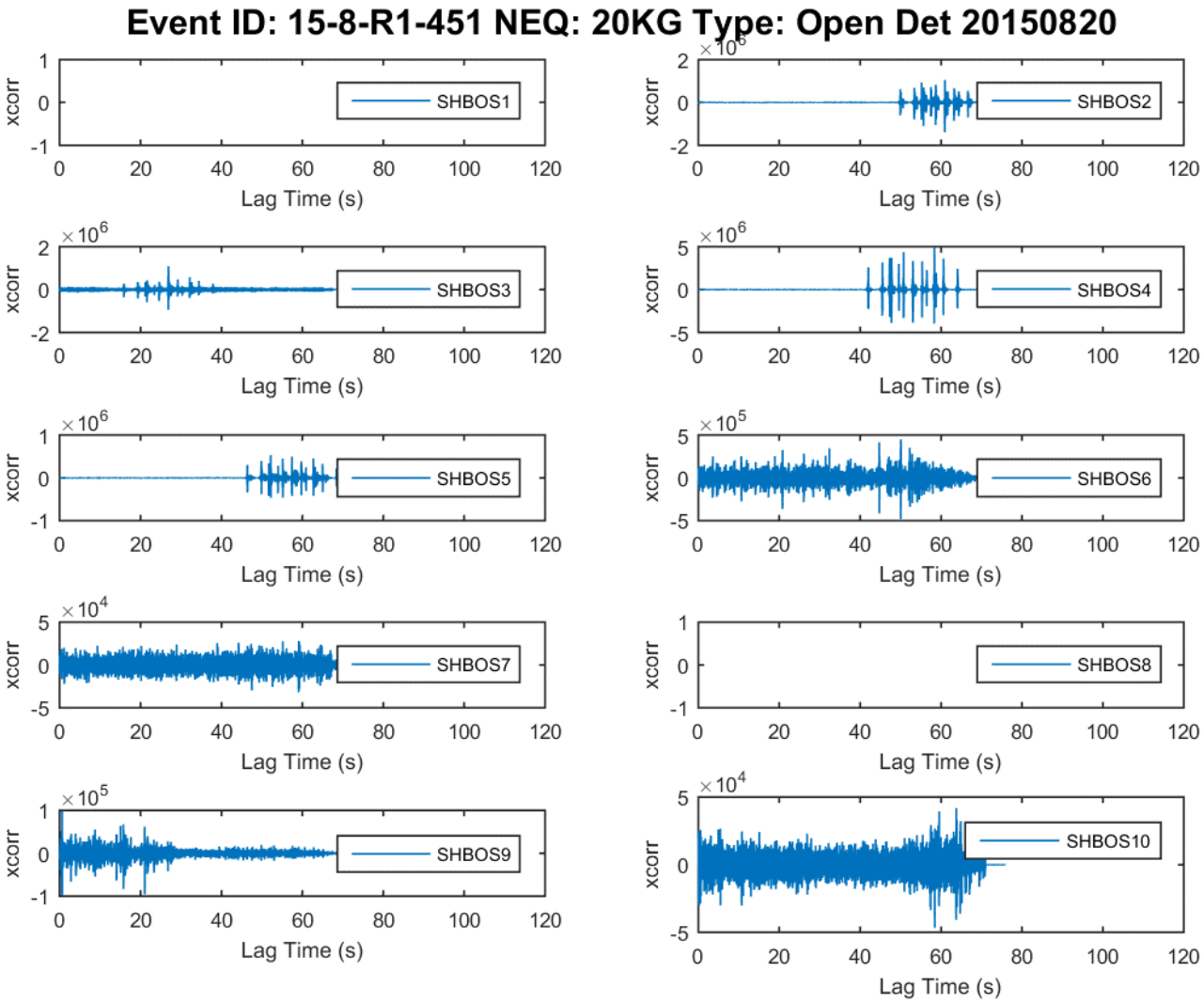


FIGURE 2.660: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-451

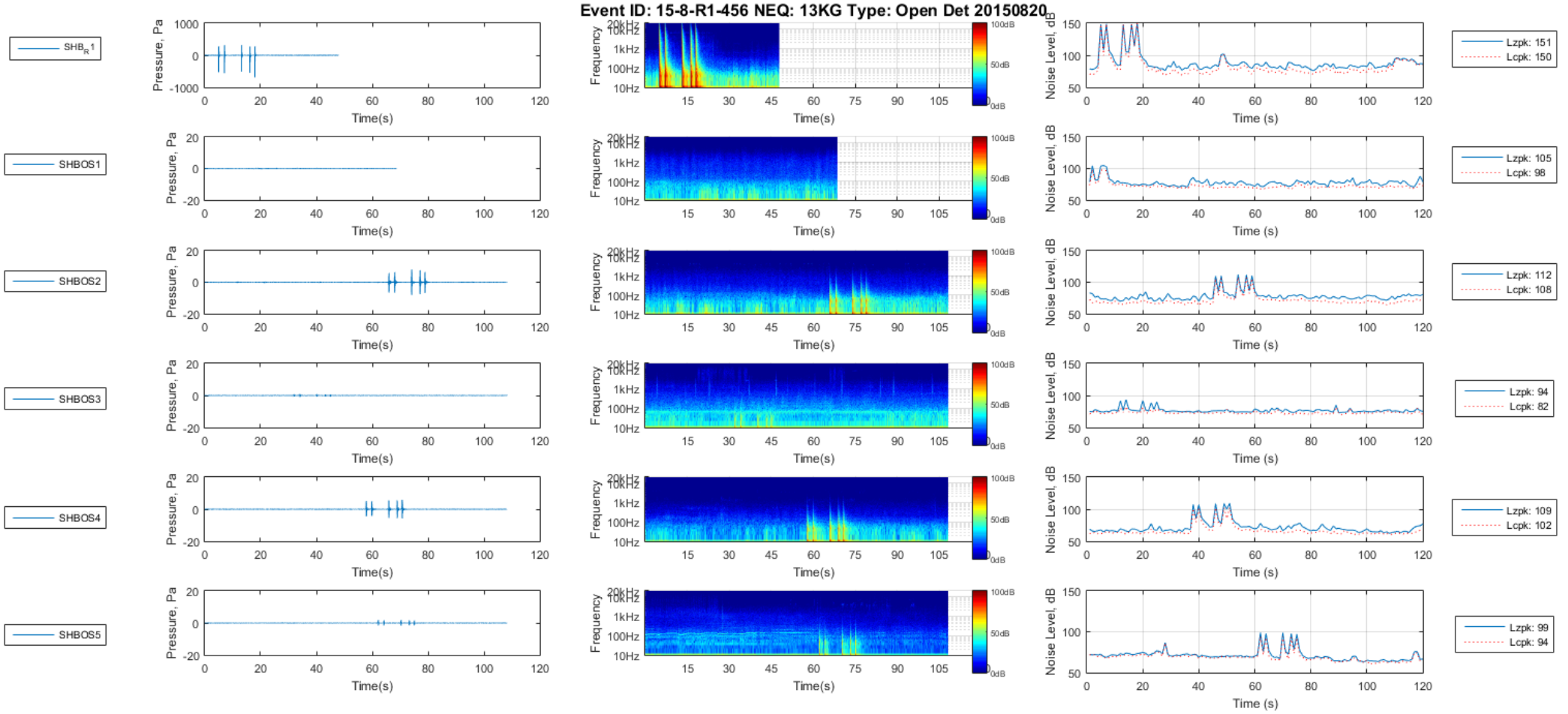


FIGURE 2.661: SHB_OS 1 - 5 15-8-R1-456

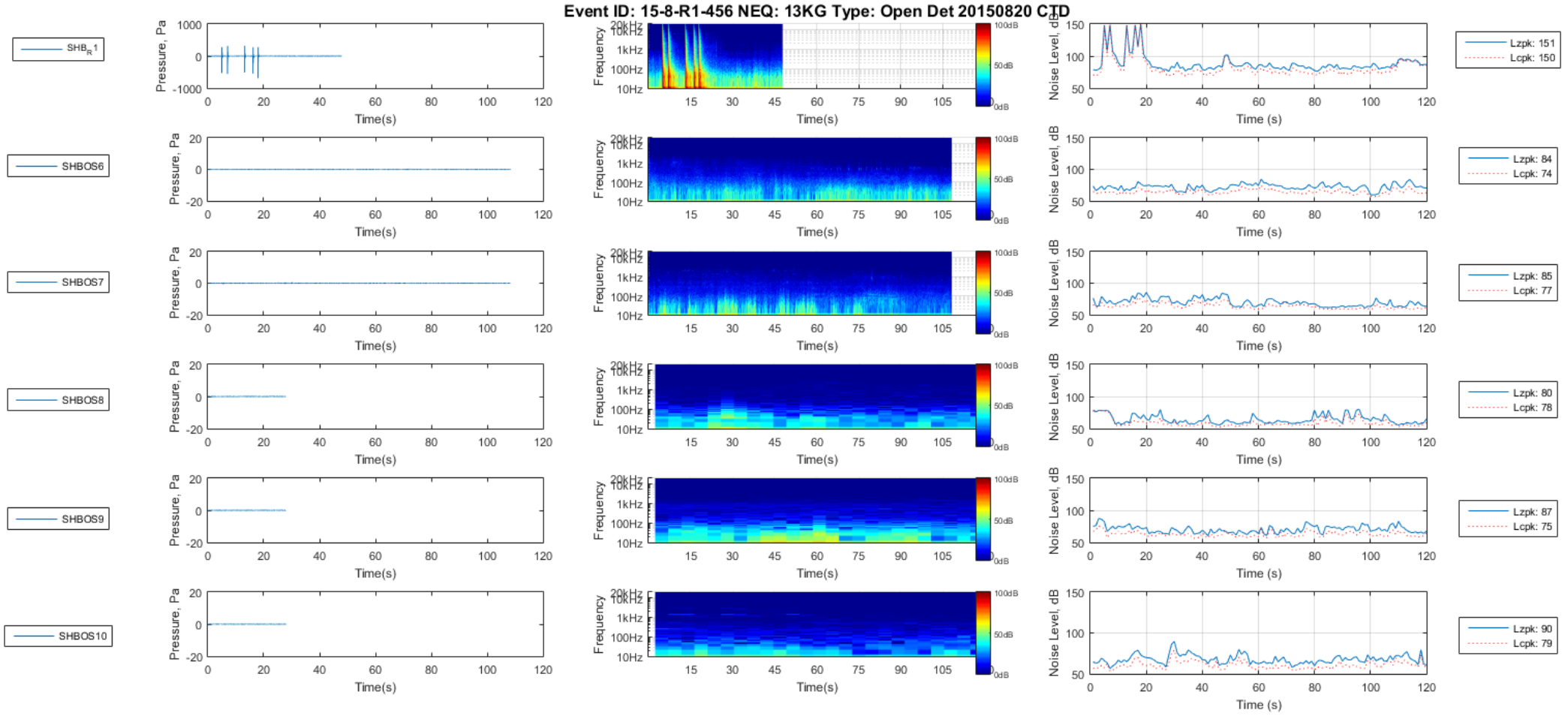


FIGURE 2.662: SHB_OS 6 - 10 15-8-R1-456

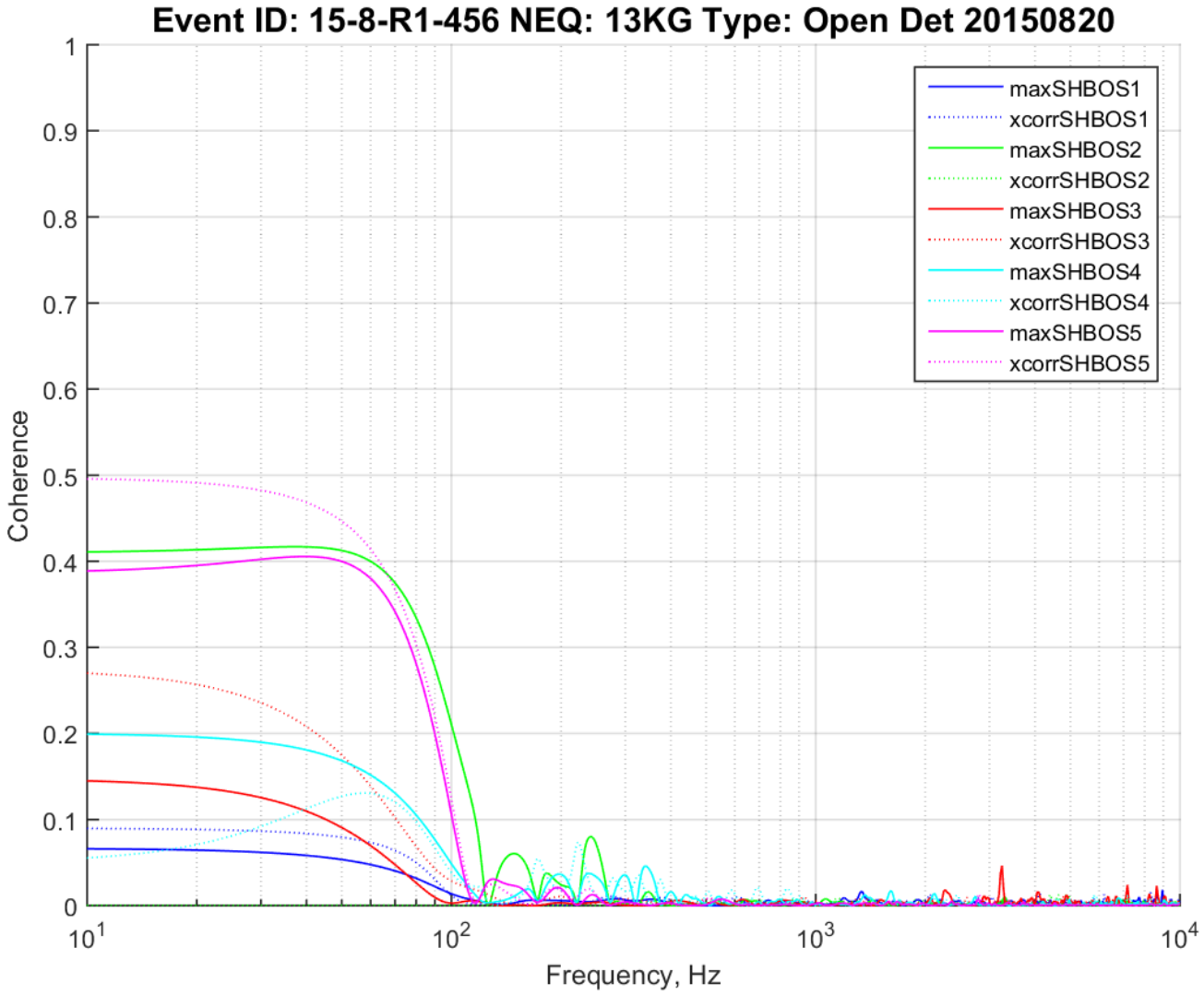


FIGURE 2.663: COHERENCE SHB_OS 1 - 5 15-8-R1-456

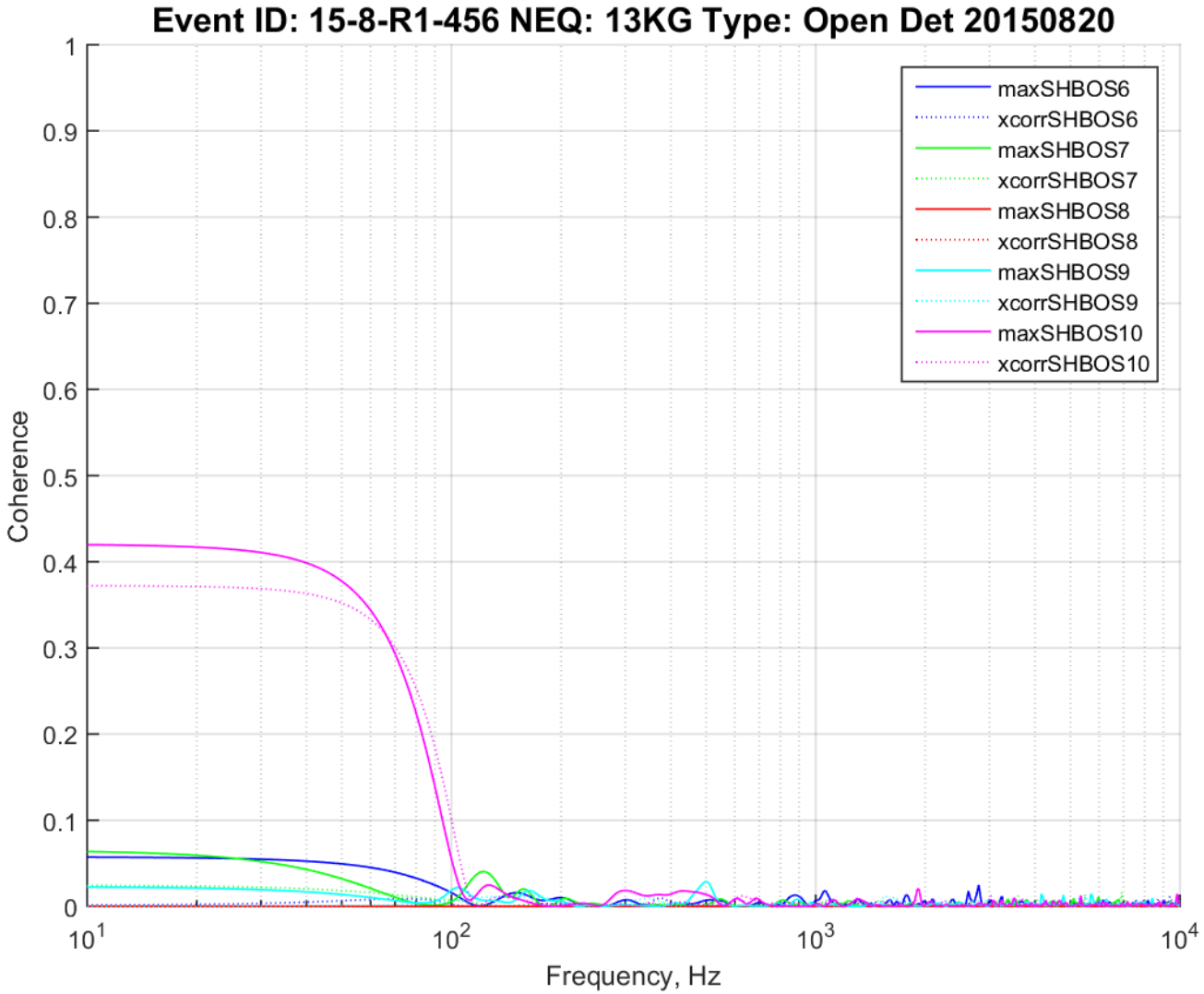


FIGURE 2.664: COHERENCE SHB_OS 6 - 10 15-8-R1-456CTD

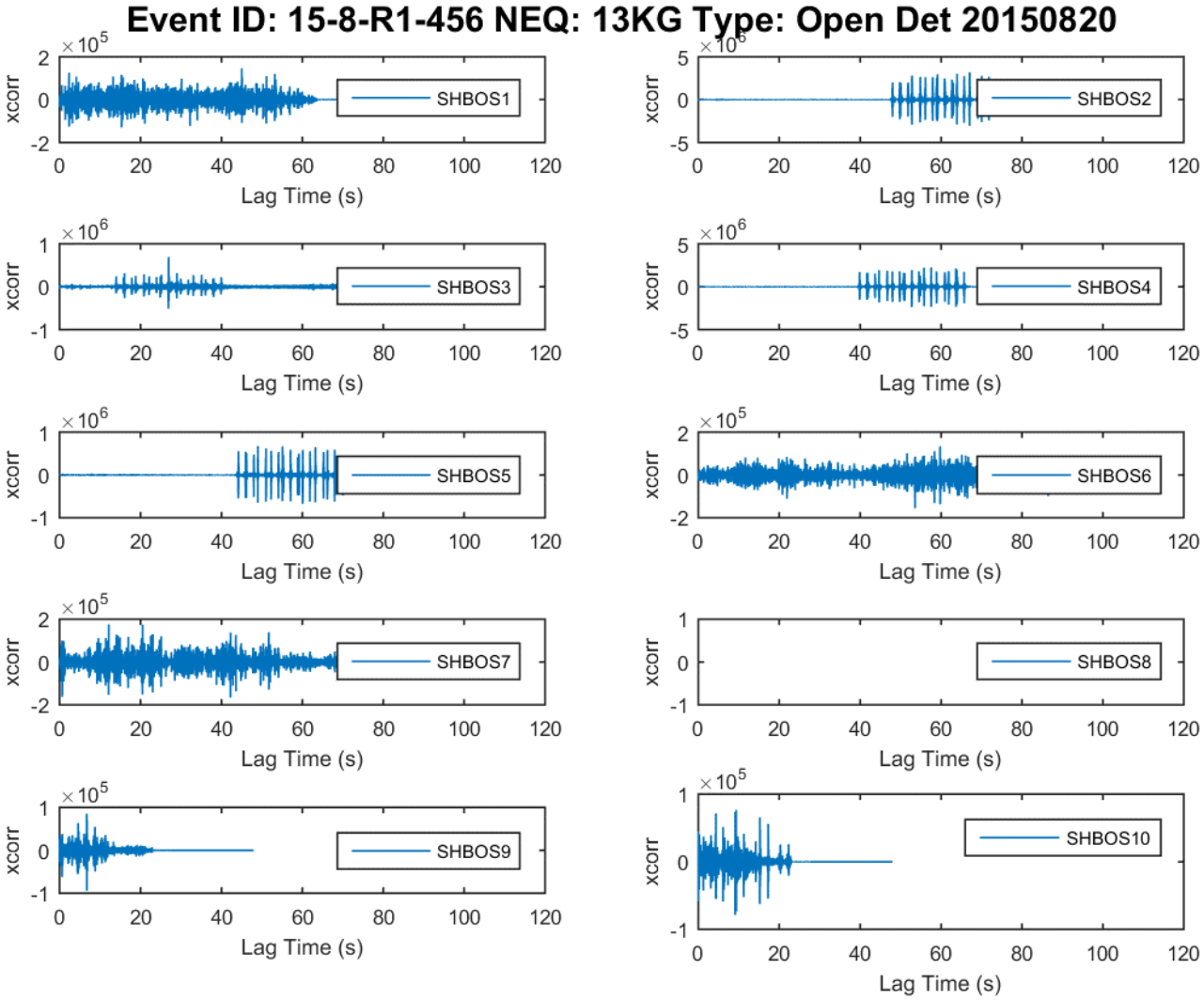


FIGURE 2.665: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-456

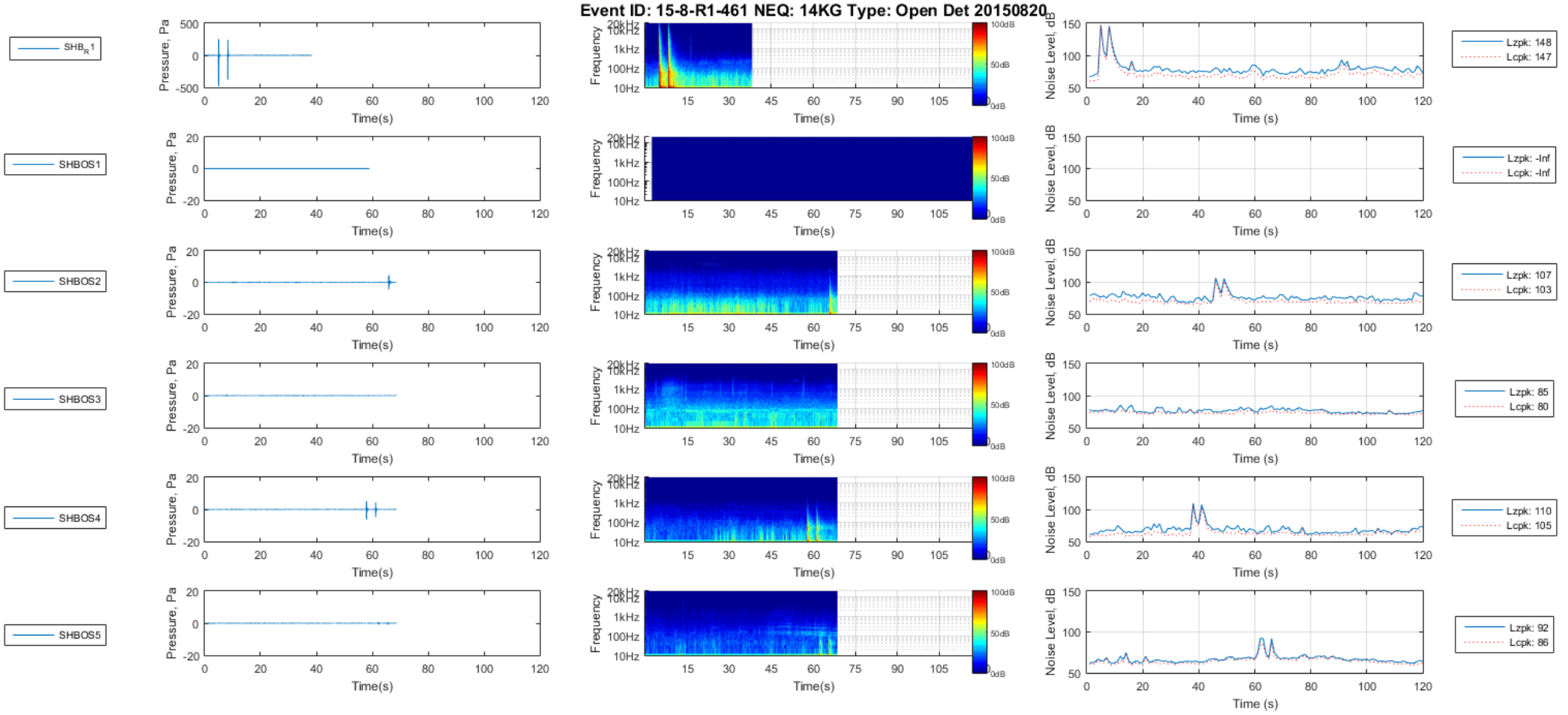


FIGURE 2.666: SHB_OS 1 - 5 15-8-R1-461

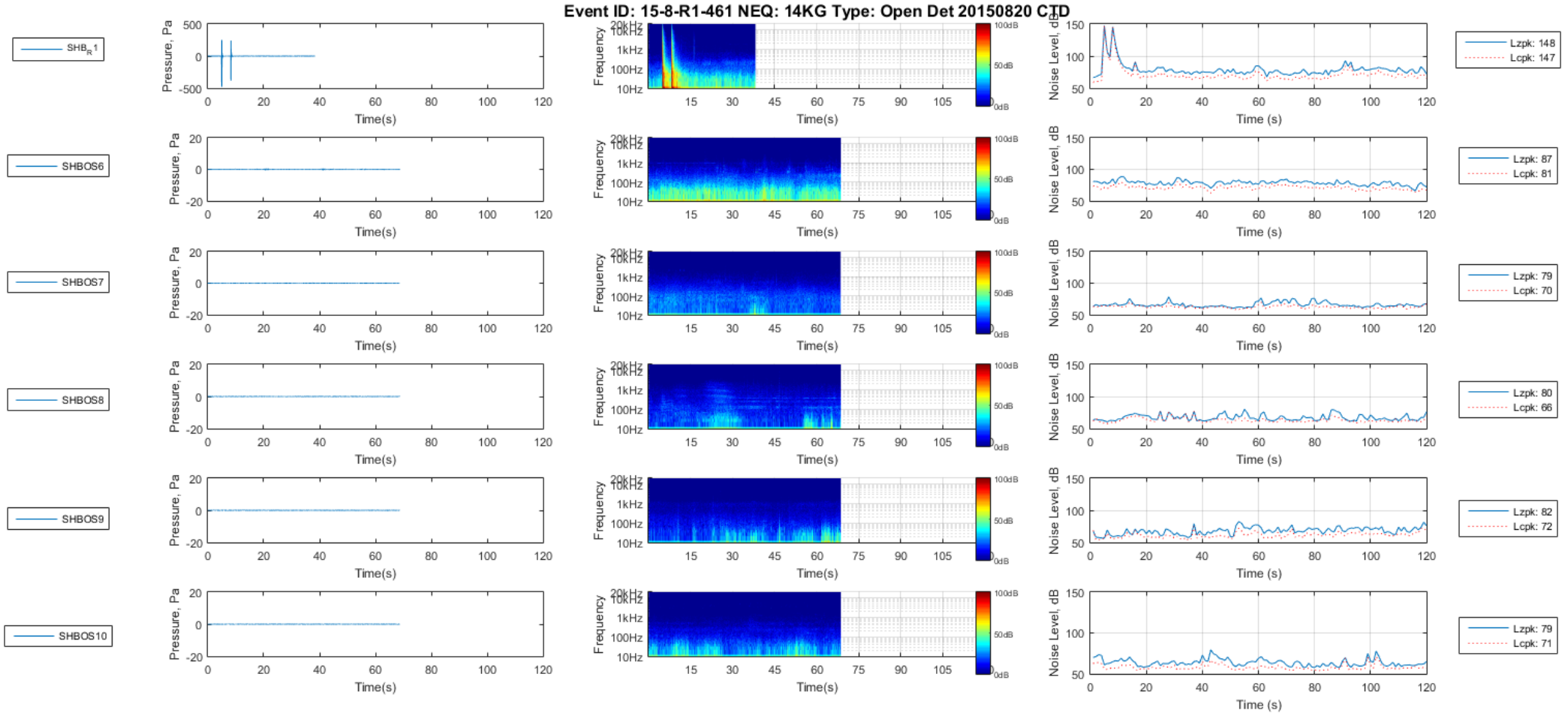


FIGURE 2.667: SHB_OS 6 - 10 15-8-R1-461

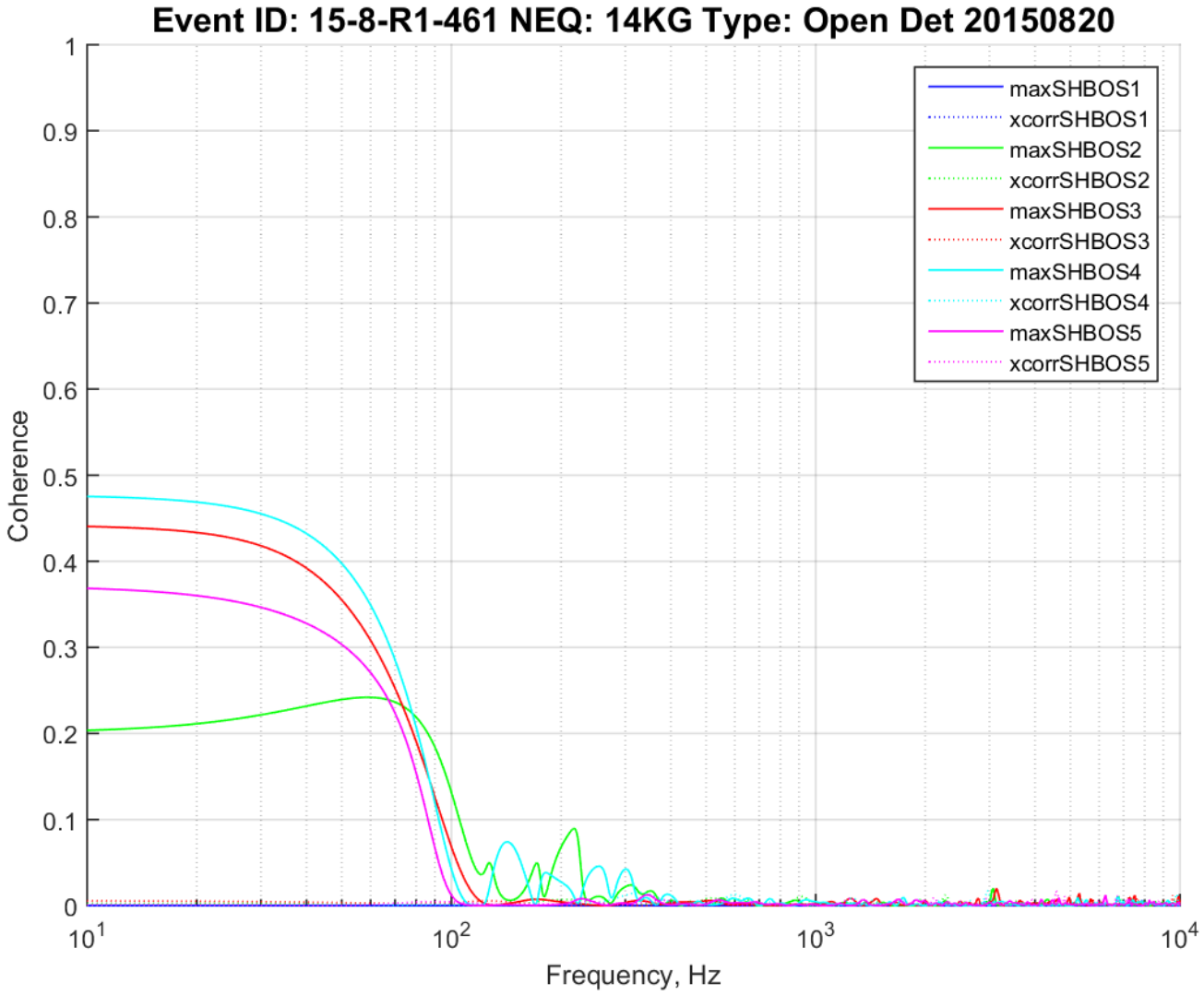


FIGURE 2.668: COHERENCE SHB_OS 1 - 5 15-8-R1-461

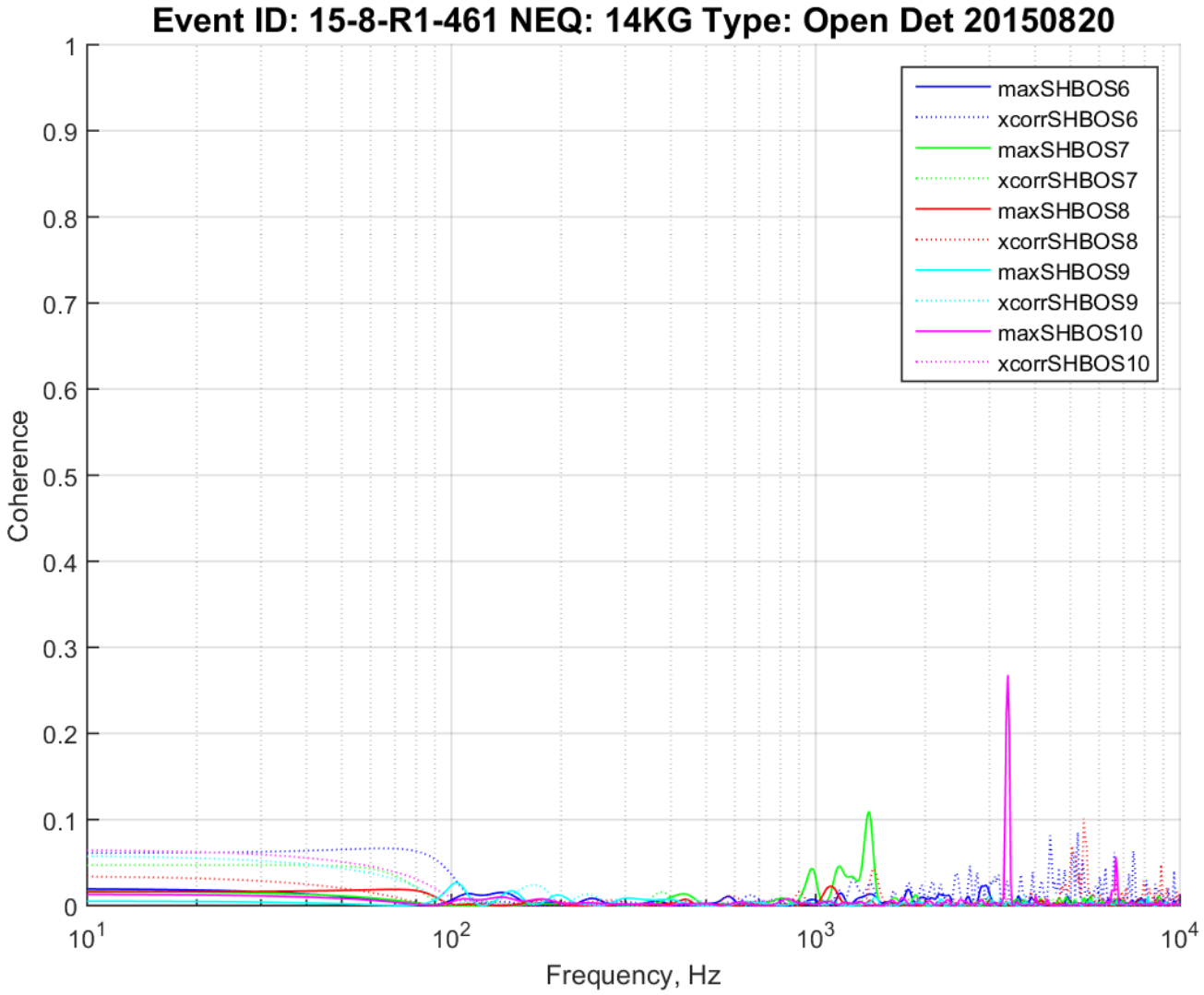


FIGURE 2.669: COHERENCE SHB_OS 6 - 10 15-8-R1-461CTD

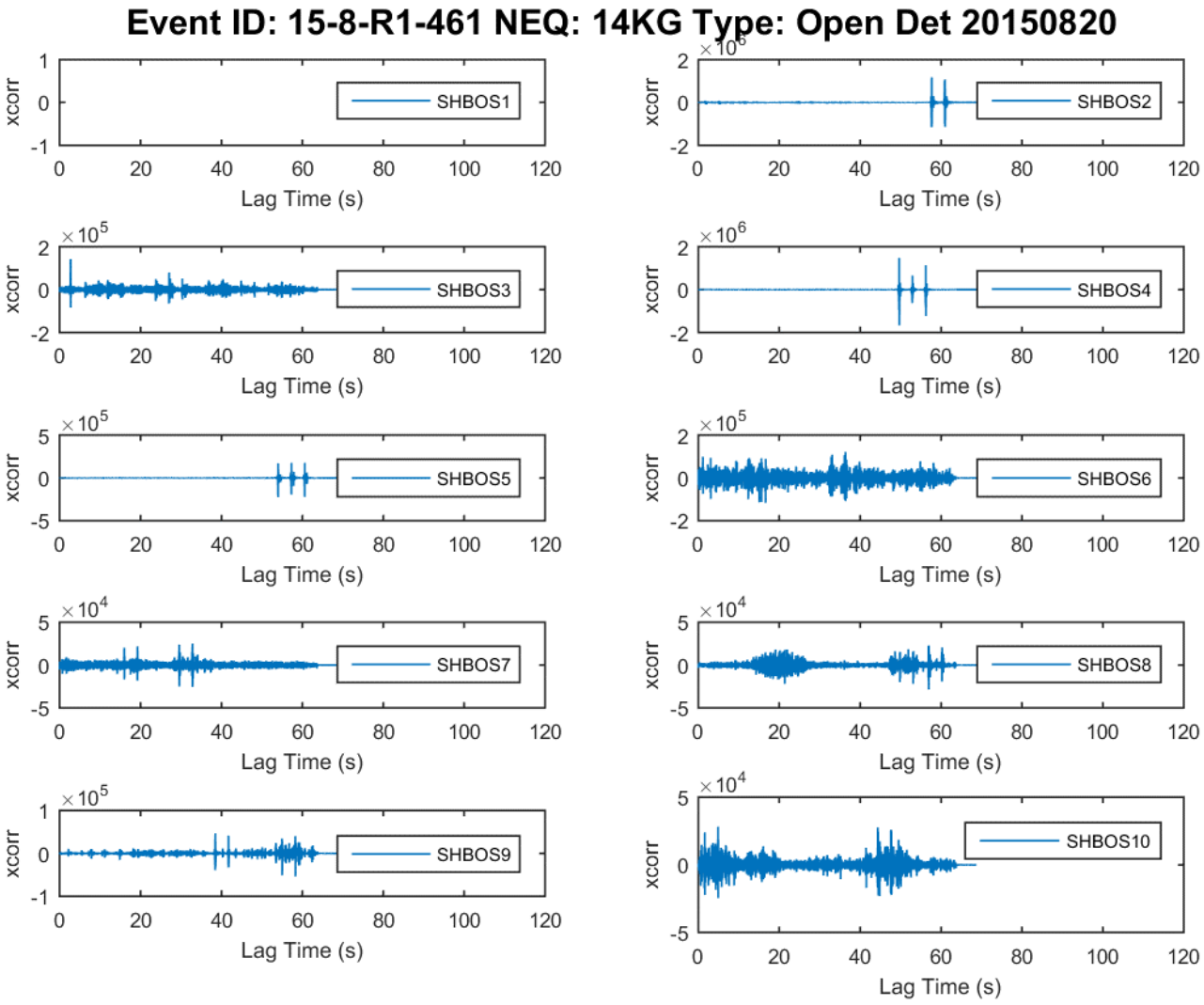


FIGURE 2.670: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-461

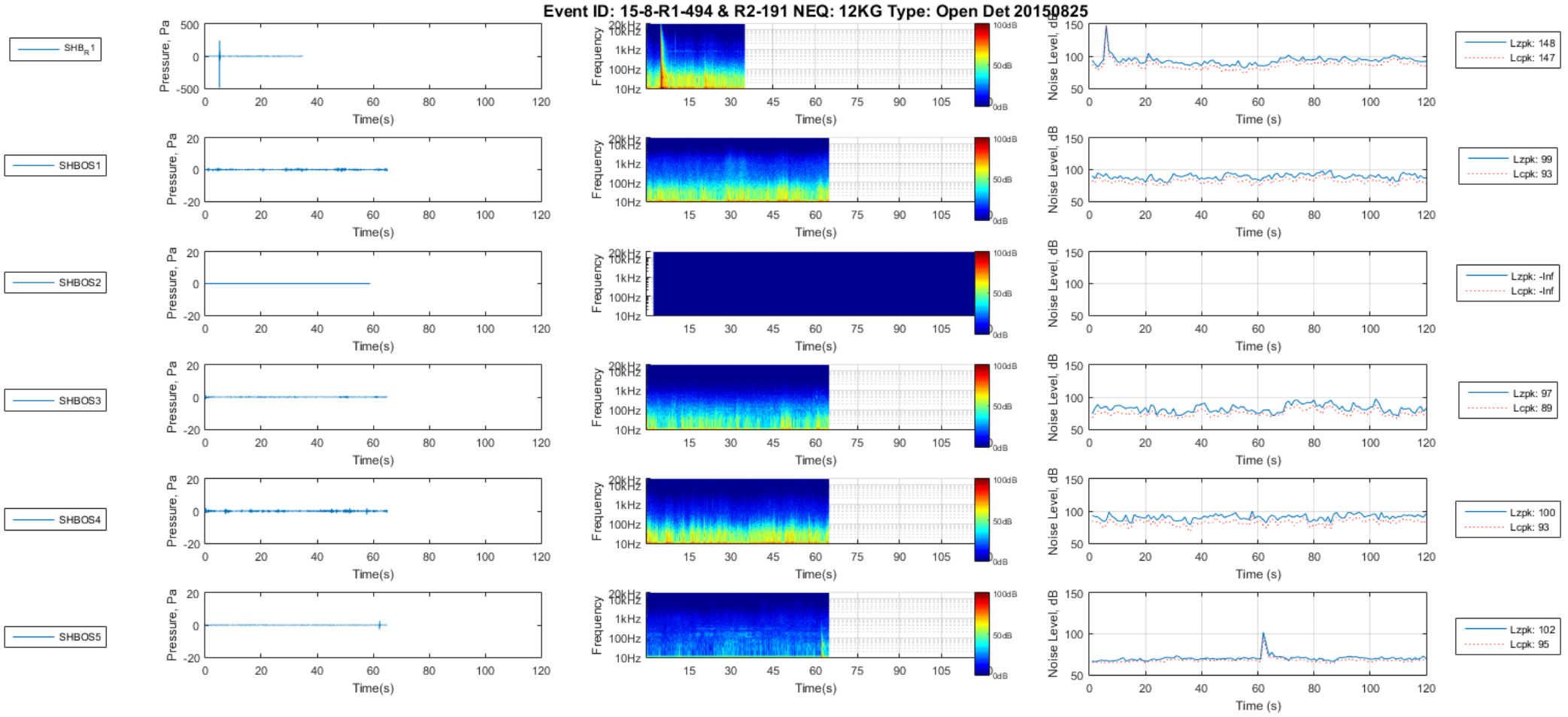


FIGURE 2.671: SHB_OS 1 - 5 15-8-R1-494 & R2-191

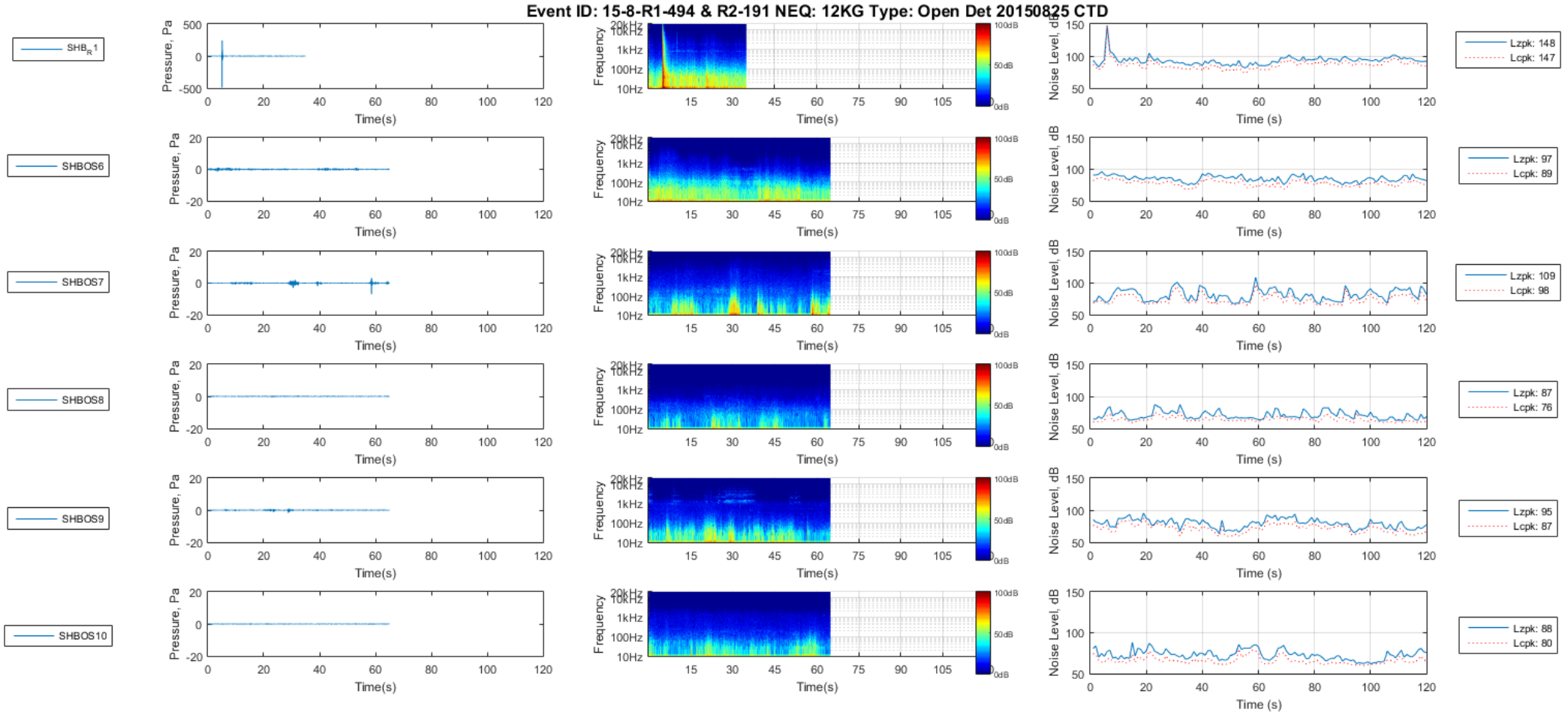


FIGURE 2.672: SHB_OS 6 - 10 15-8-R1-494 & R2-191

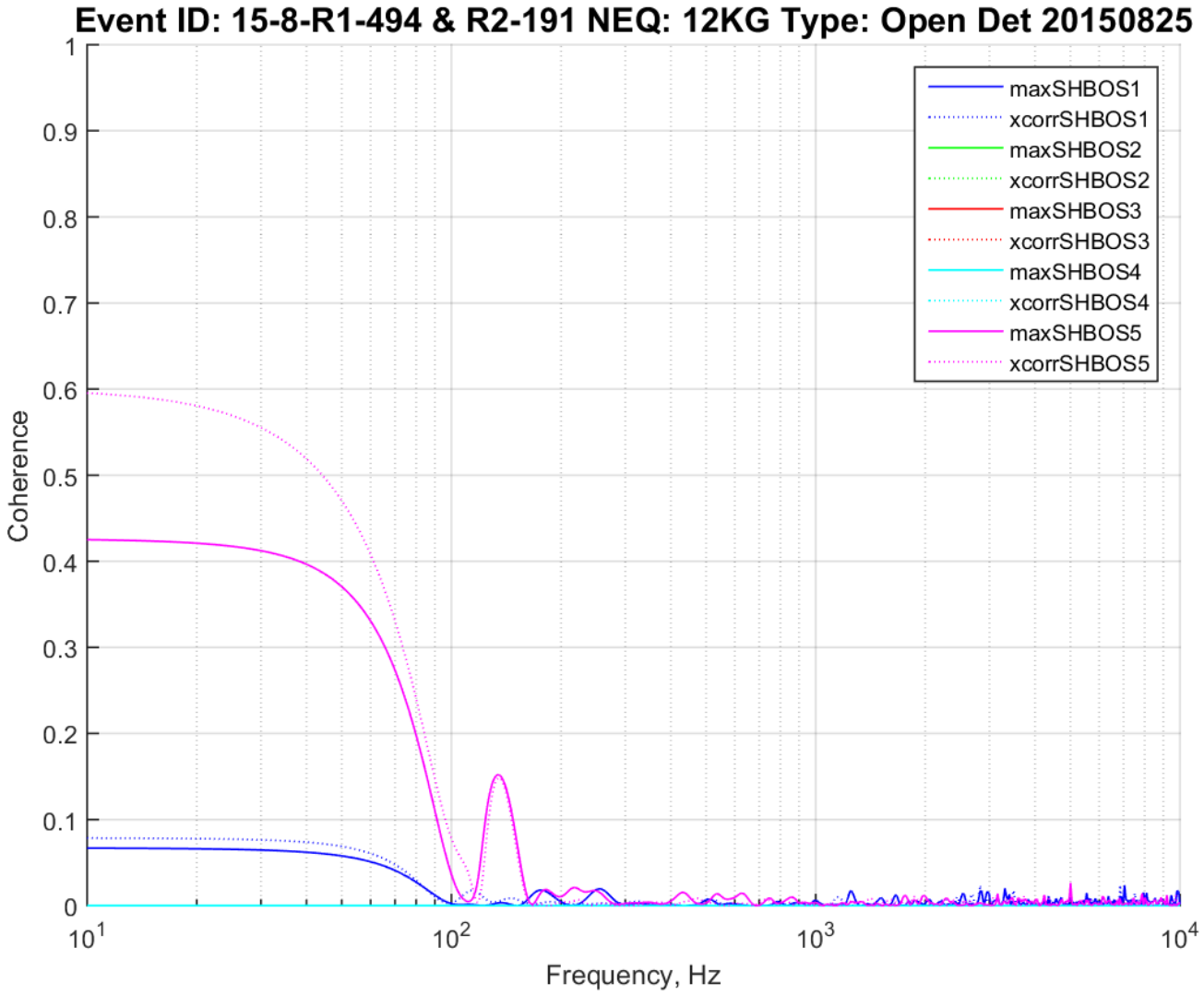


FIGURE 2.673: COHERENCE SHB_OS 1 - 5 15-8-R1-494 & R2-191

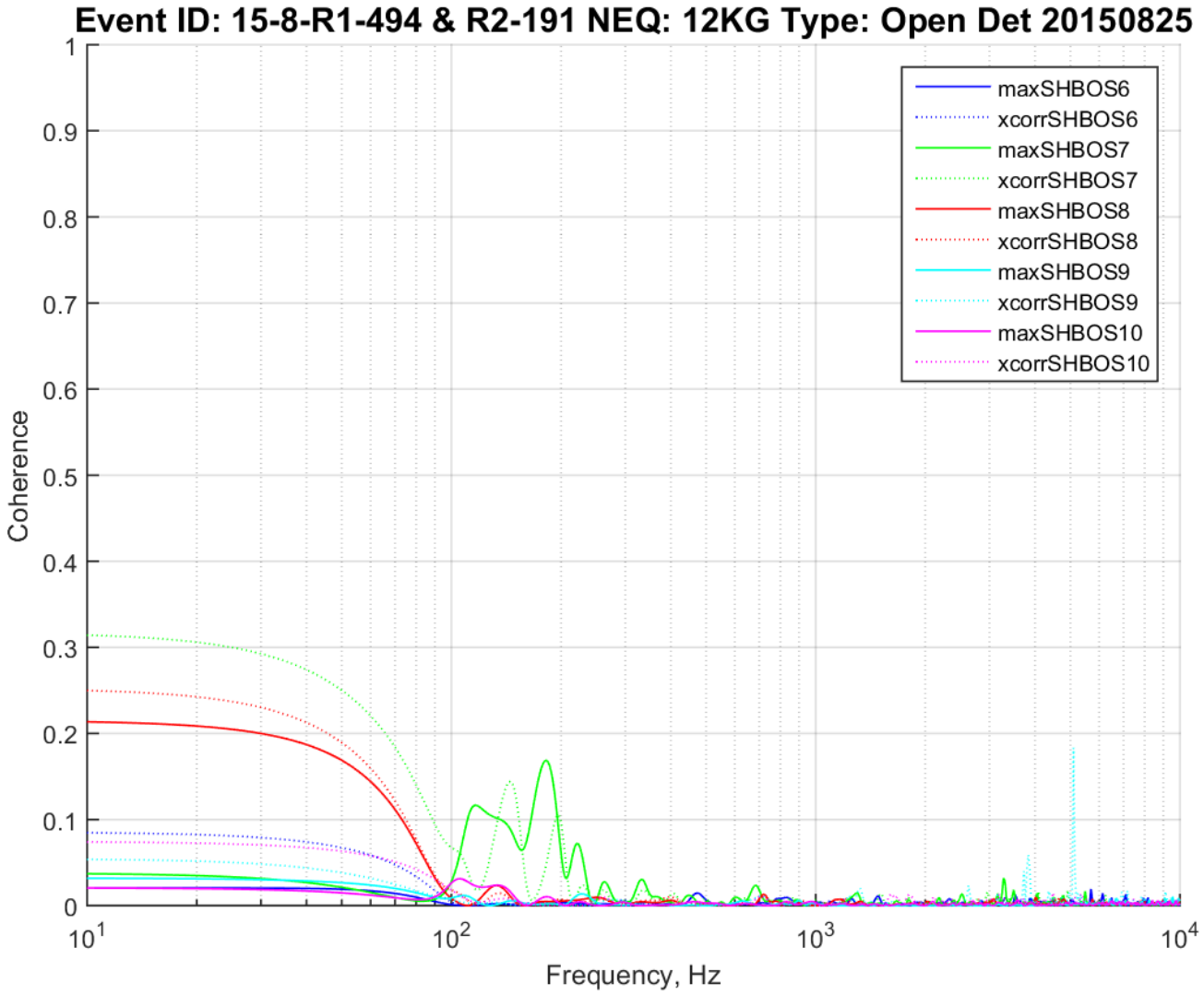


FIGURE 2.674: COHERENCE SHB_OS 6 - 10 15-8-R1-494 & R2-191CTD

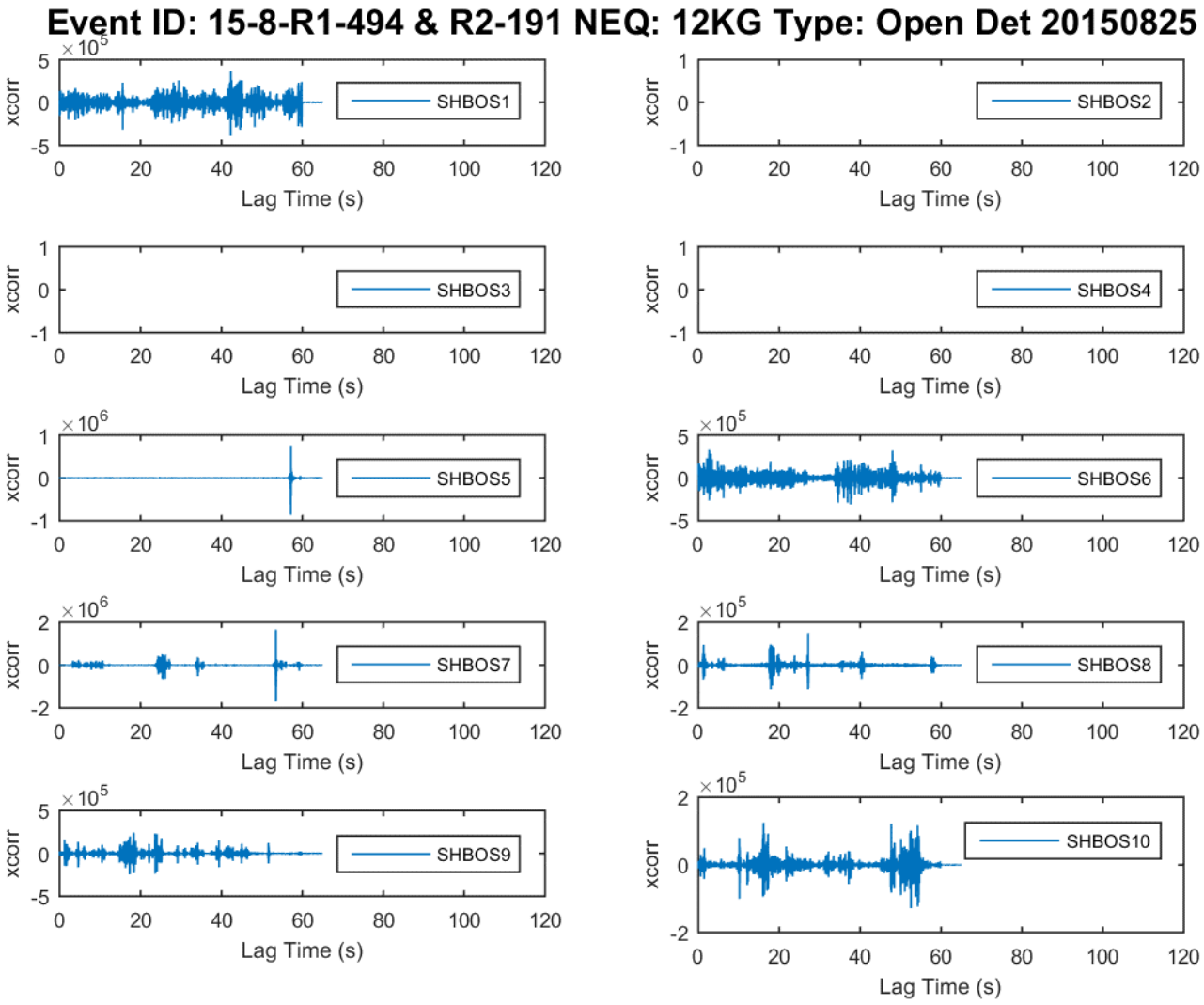
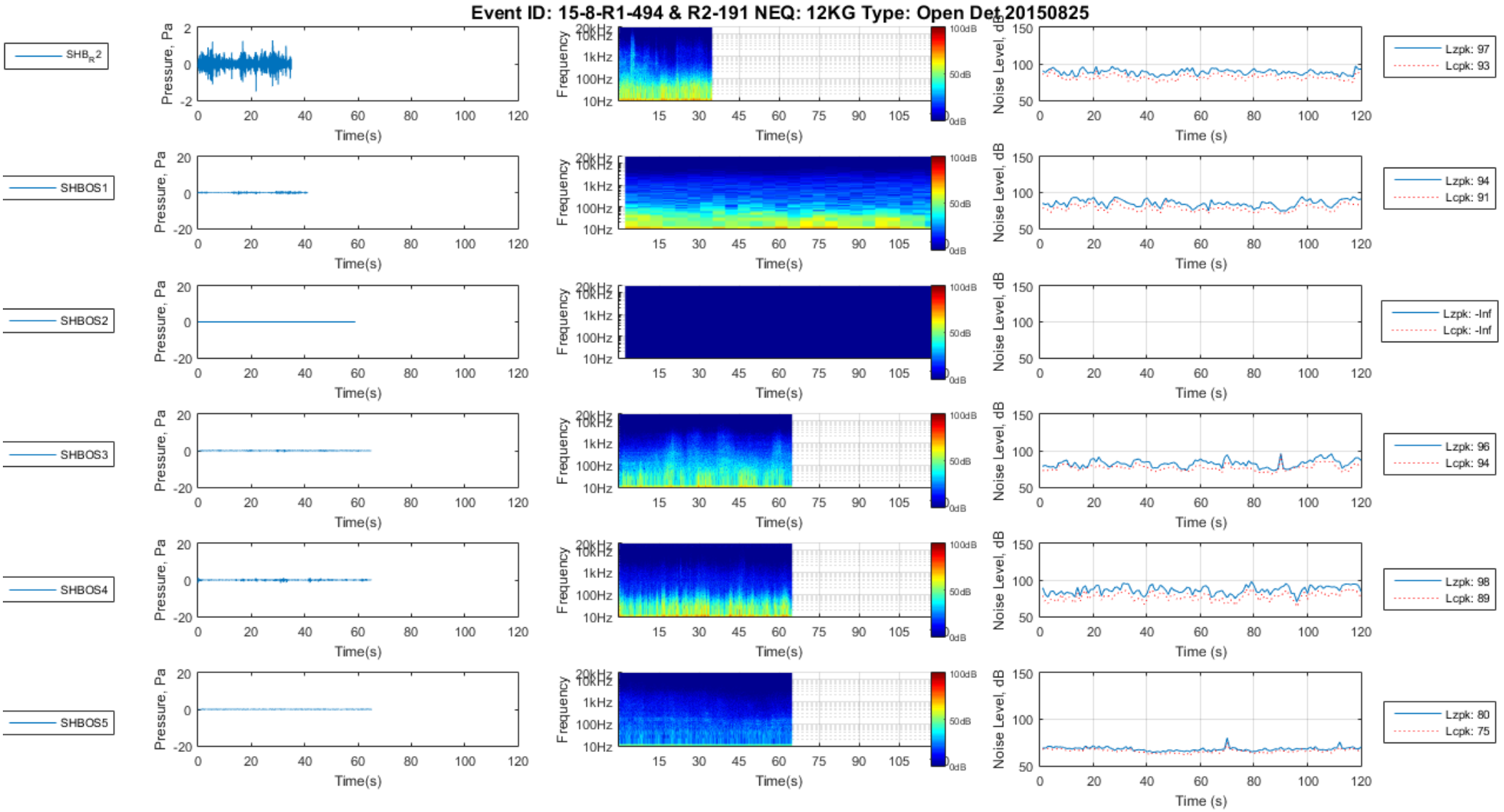
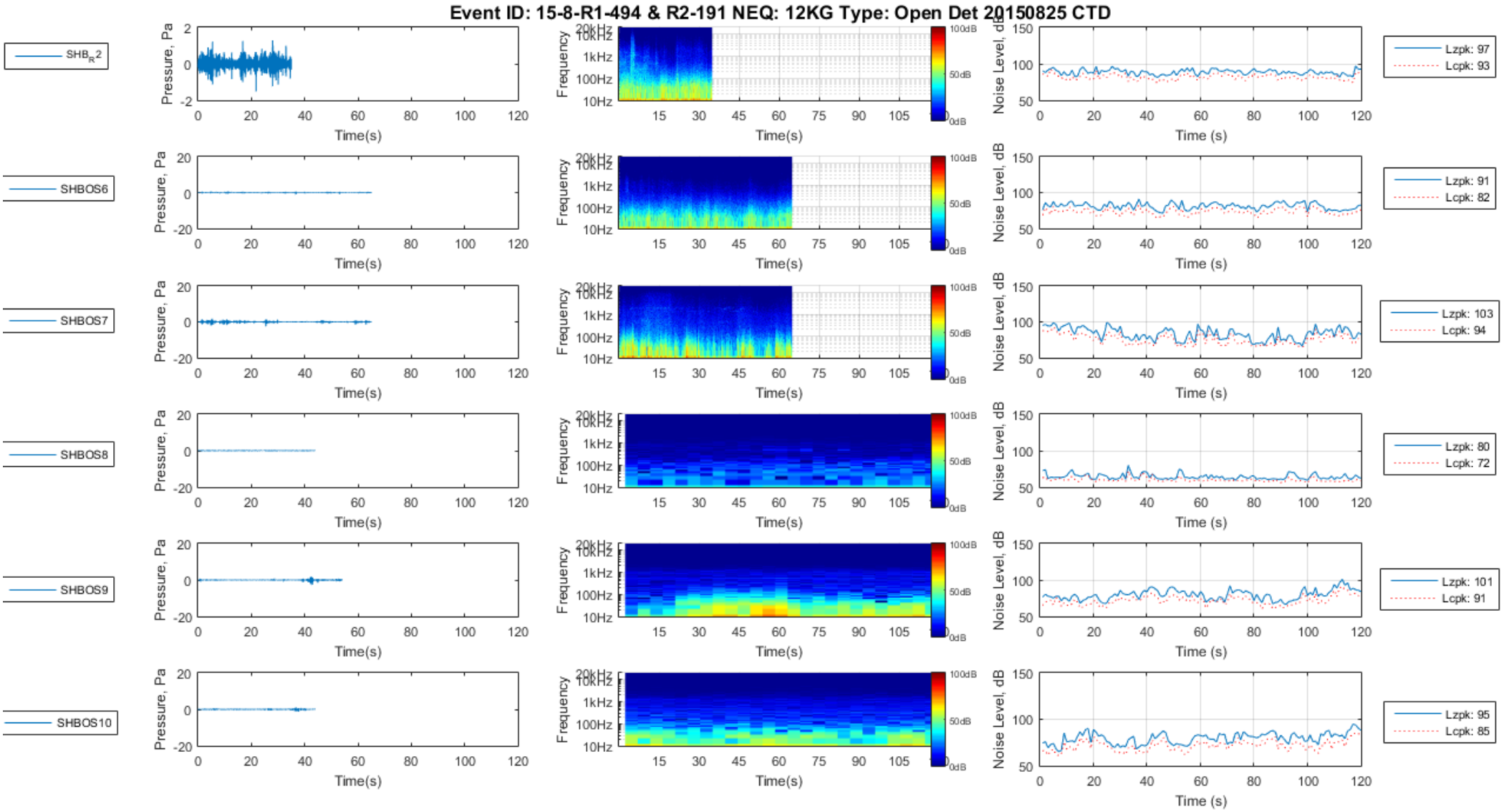


FIGURE 2.675: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-494 & R2-191


Event ID: 15-8-R1-494 & R2-191 NEQ: 12KG Type: Open Det 20150825
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 97
Lcpk: 93
Lzpk: 94
Lcpk: 91
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 96
Lcpk: 94
Lzpk: 98
Lcpk: 89
Lzpk: 80
Lcpk: 75


Event ID: 15-8-R1-494 & R2-191 NEQ: 12KG Type: Open Det 20150825 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 97
Lcpk: 93
Lzpk: 91
Lcpk: 82
Lzpk: 103
Lcpk: 94
Lzpk: 80
Lcpk: 72
Lzpk: 101
Lcpk: 91
Lzpk: 95
Lcpk: 85

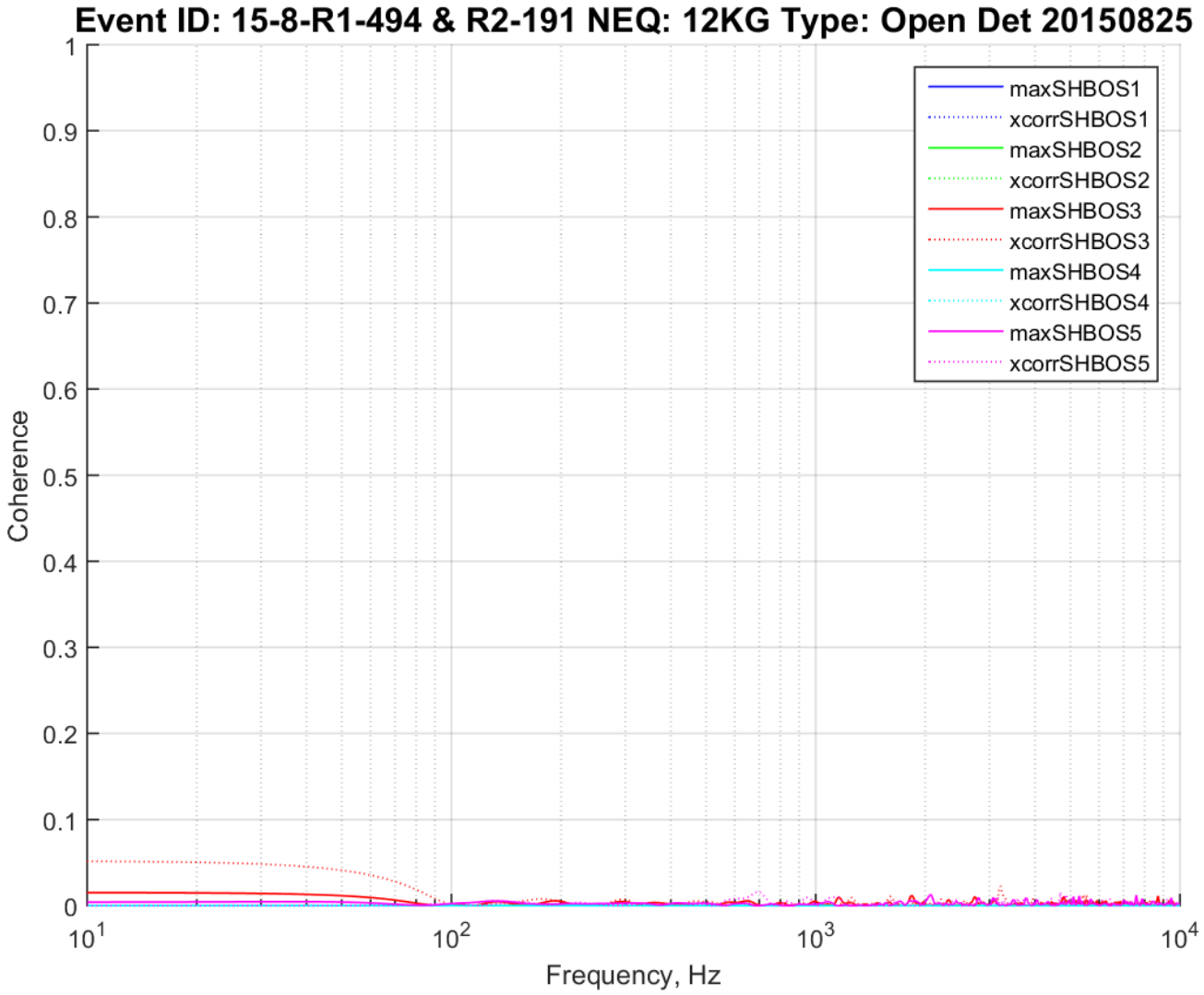


FIGURE 2.678: COHERENCE SHB_OS 1 - 5 15-8-R1-494 & R2-191

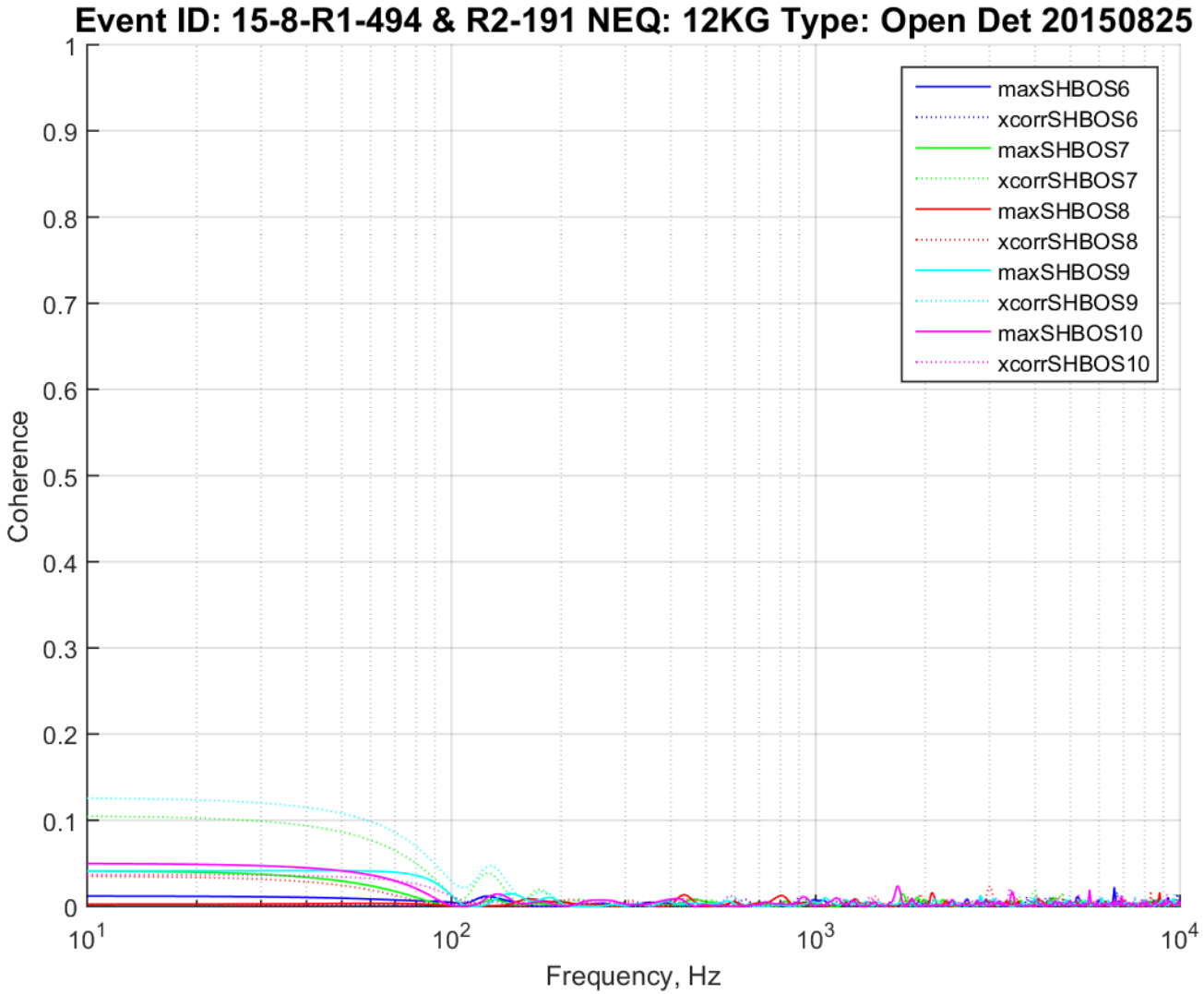


FIGURE 2.679: COHERENCE SHB_OS 6 - 10 15-8-R1-494 & R2-191CTD

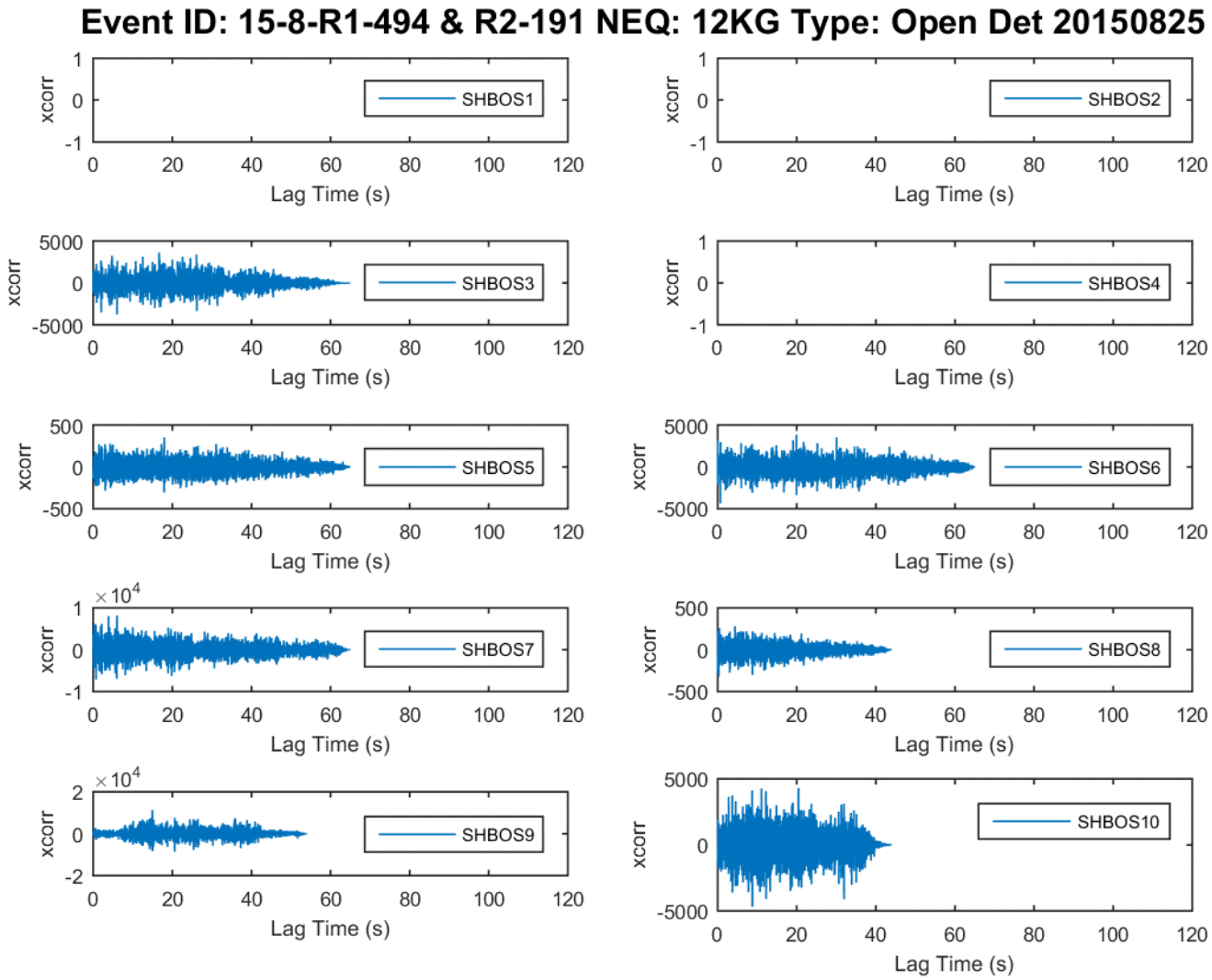


FIGURE 2.680: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-494 & R2-191

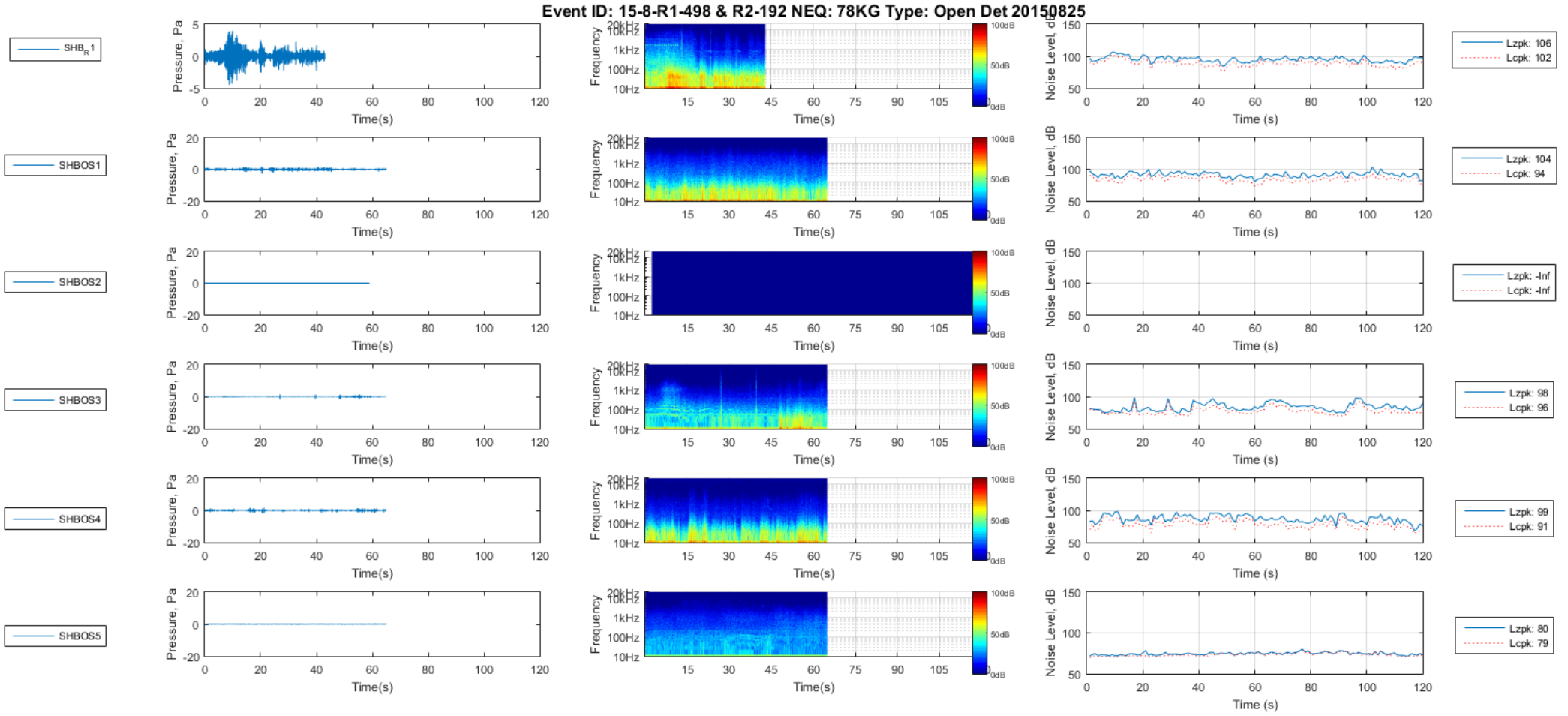


FIGURE 2.681: SHB_OS 1 - 5 15-8-R1-498 & R2-192

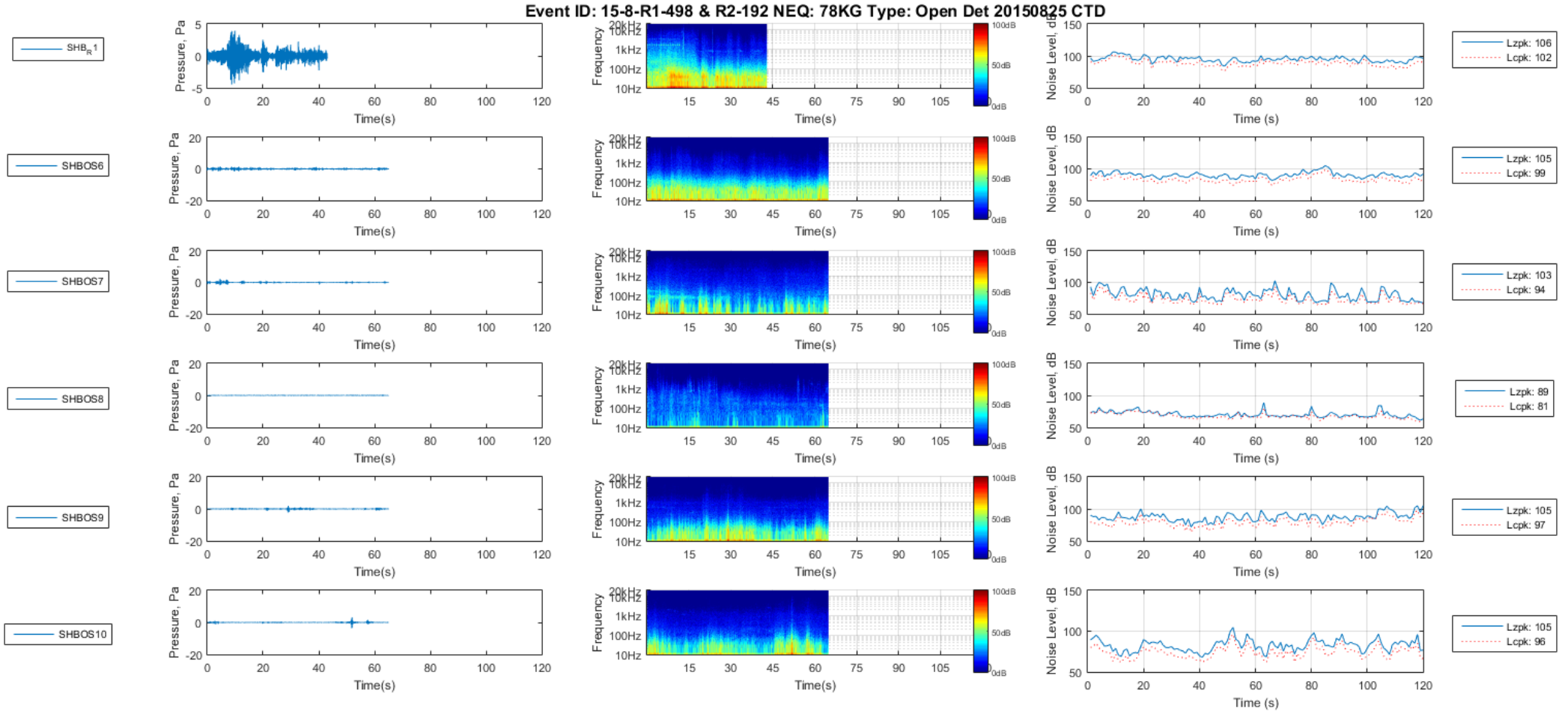


FIGURE 2.682: SHB_OS 6 - 10 15-8-R1-498 & R2-192

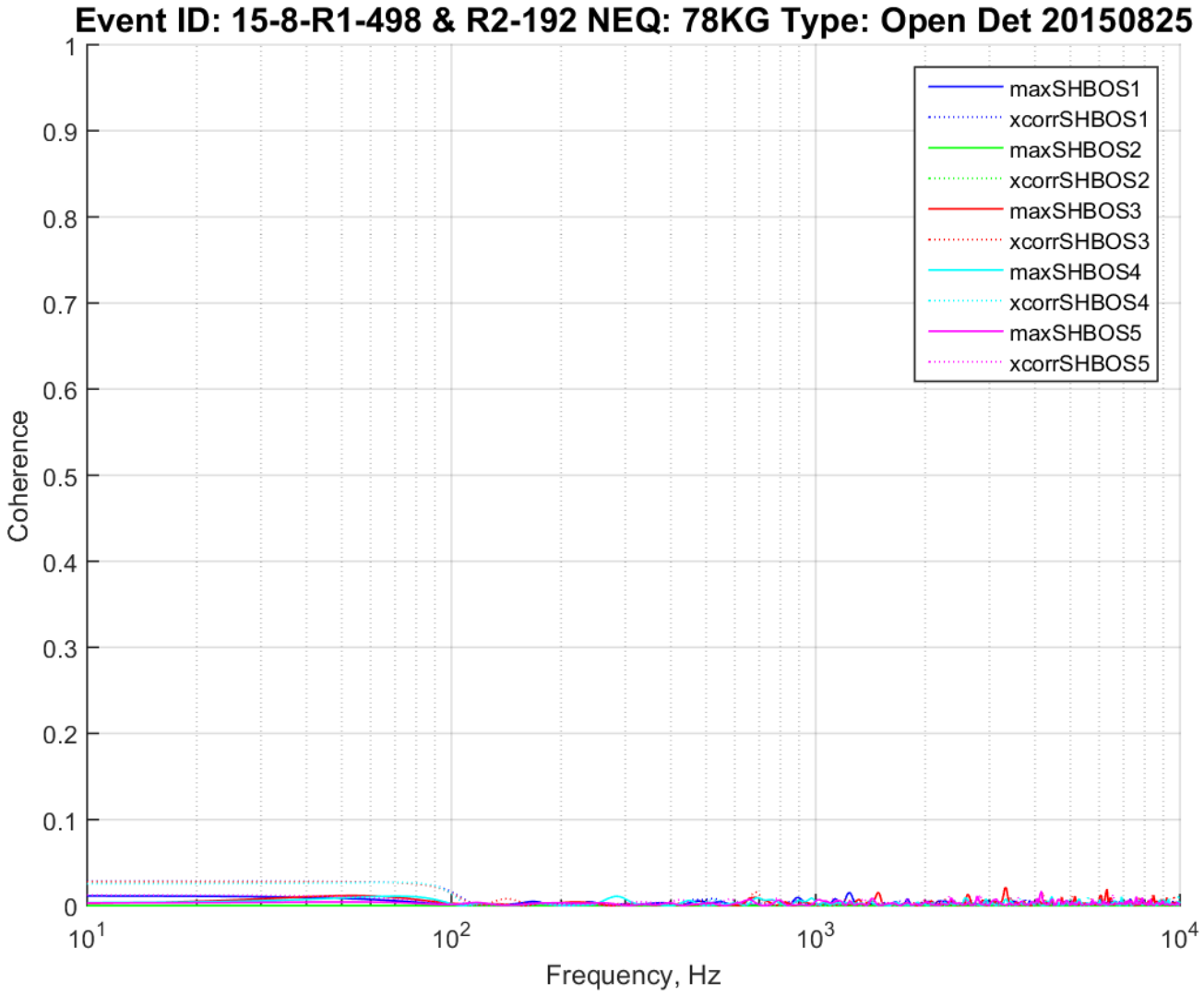


FIGURE 2.683: COHERENCE SHB_OS 1 - 5 15-8-R1-498 & R2-192

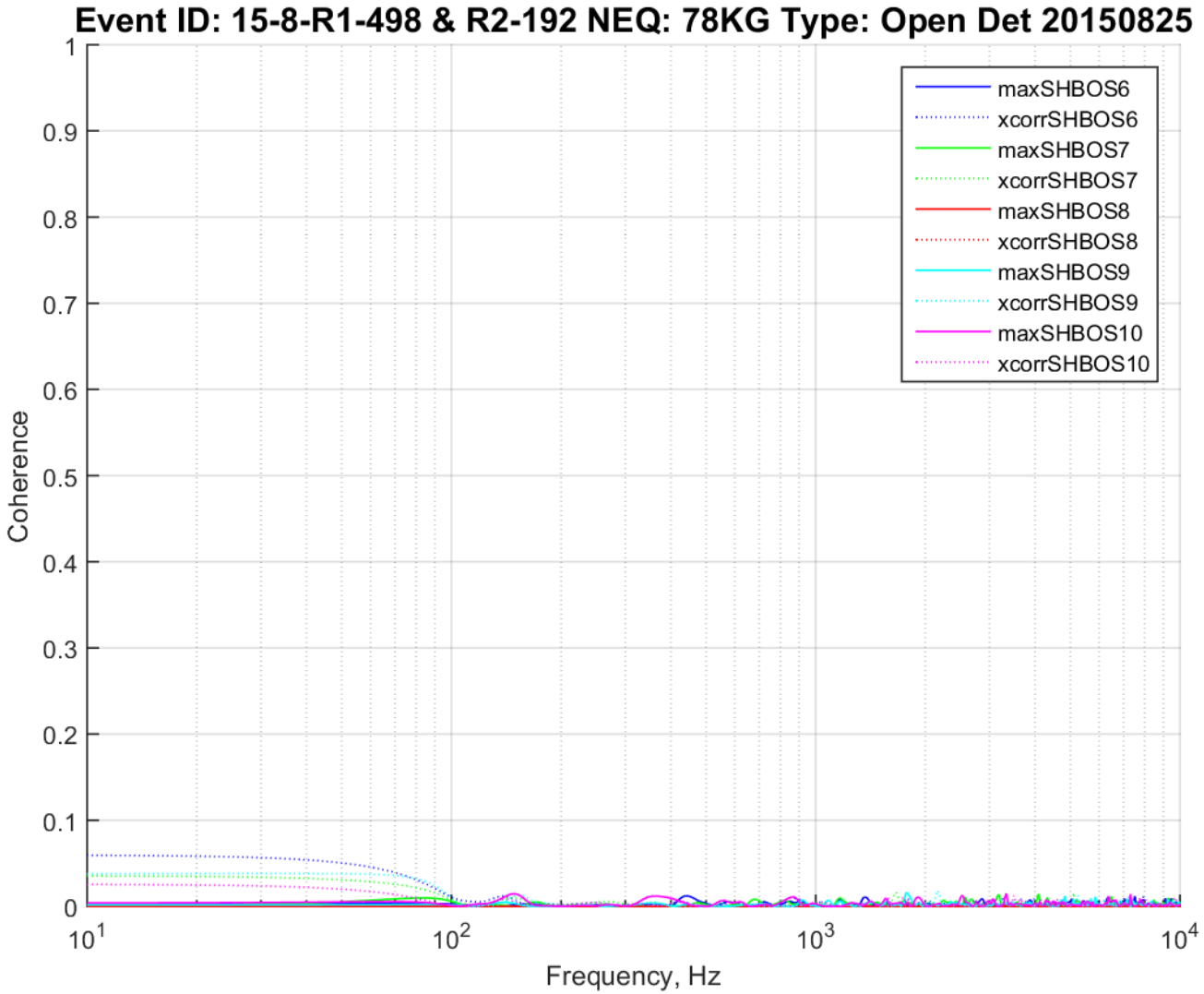


FIGURE 2.684: COHERENCE SHB_OS 6 - 10 15-8-R1-498 & R2-192CTD

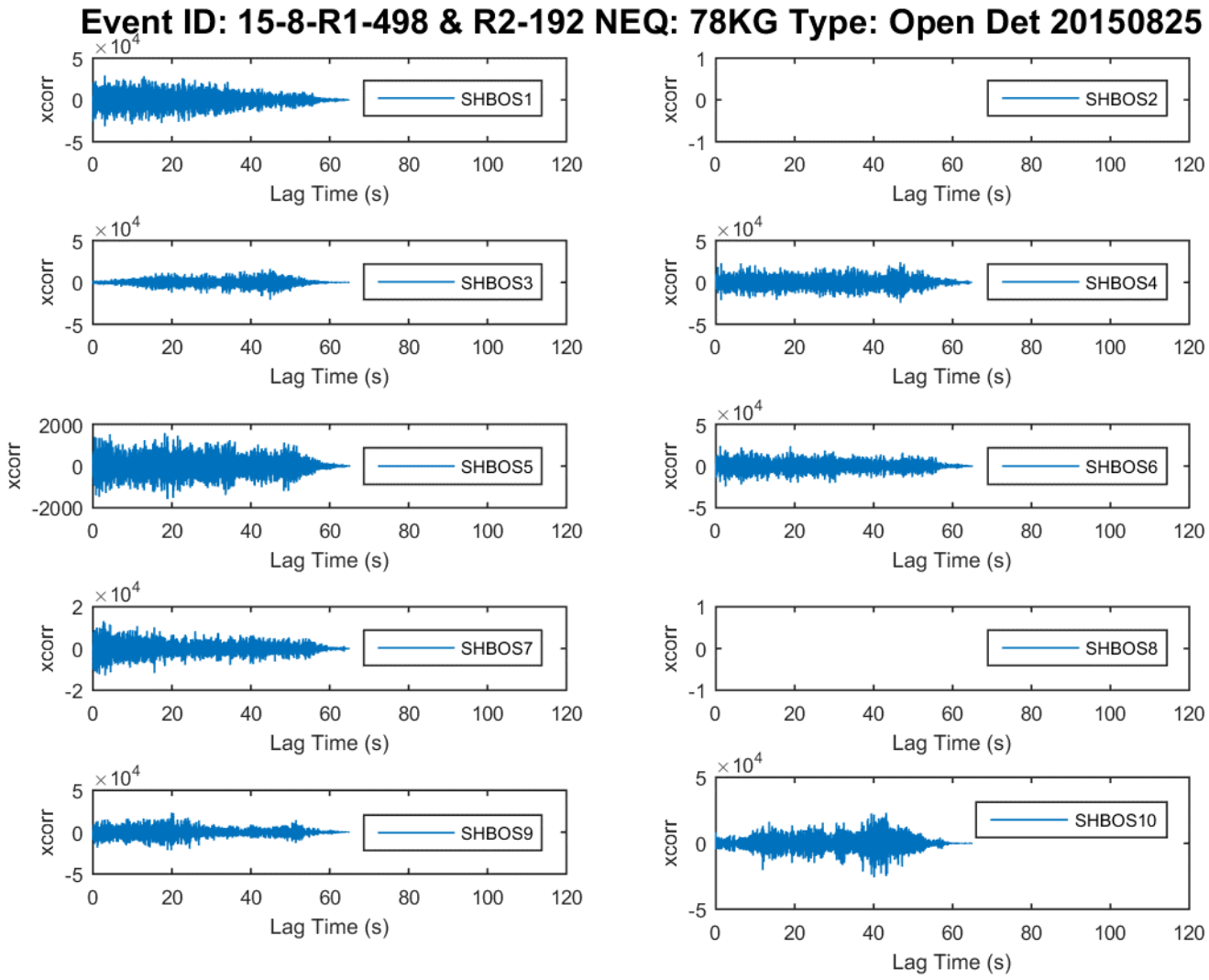
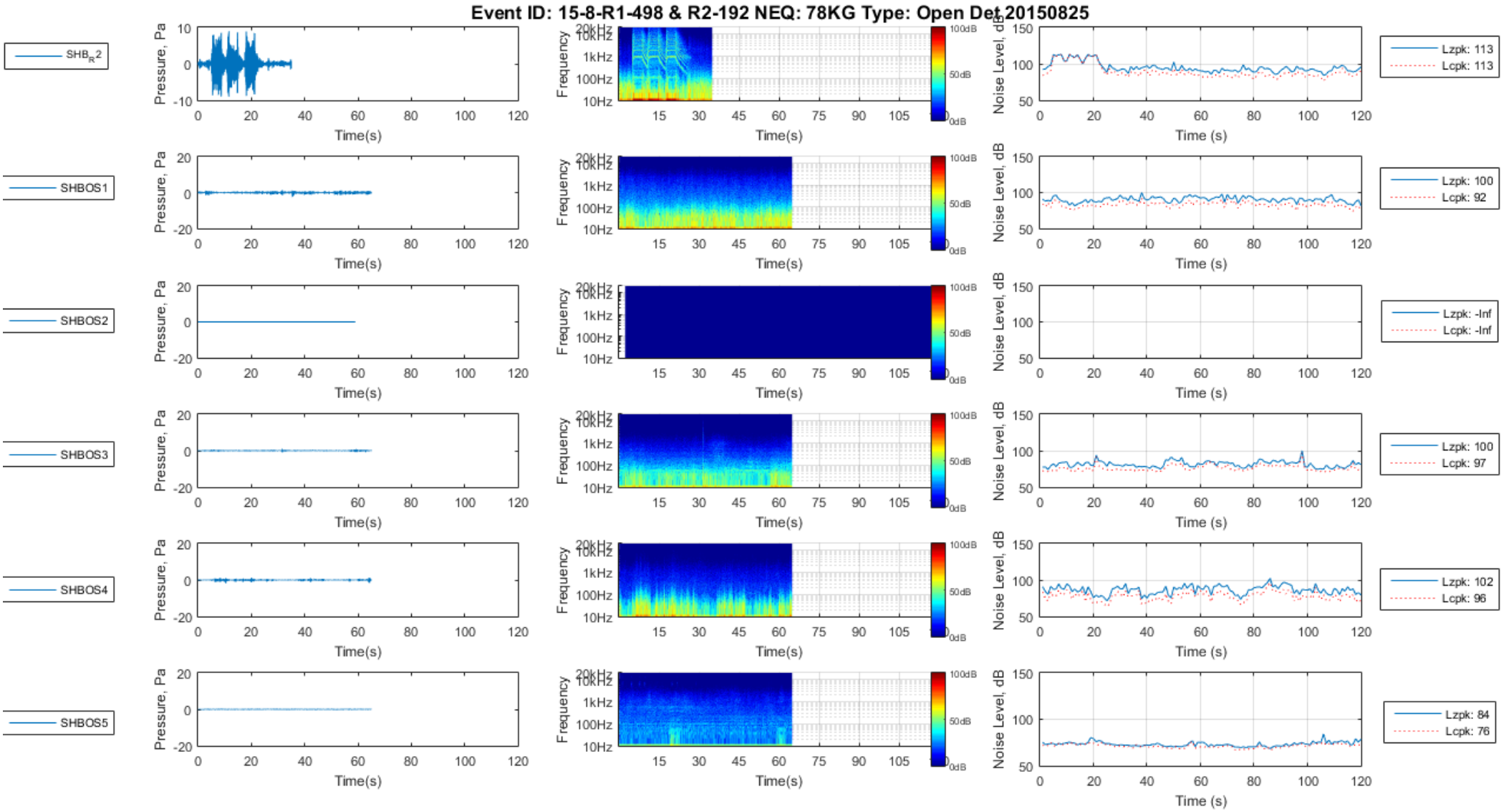
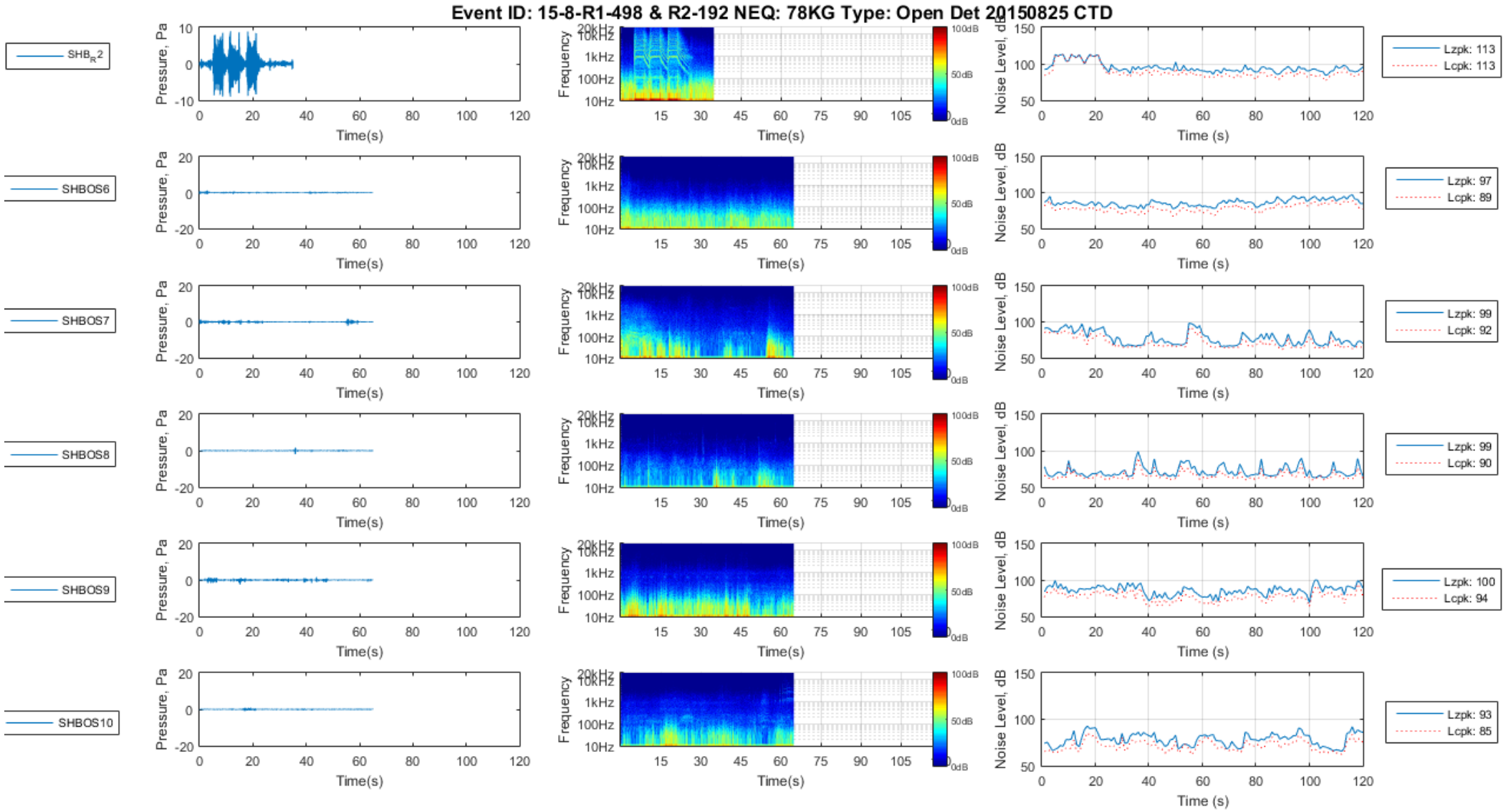


FIGURE 2.685: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-498 & R2-192


Event ID: 15-8-R1-498 & R2-192 NEQ: 78KG Type: Open Det 20150825
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 113
Lcpk: 113
Lzpk: 100
Lcpk: 92
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 100
Lcpk: 97
Lzpk: 102
Lcpk: 96
Lzpk: 84
Lcpk: 76


Event ID: 15-8-R1-498 & R2-192 NEQ: 78KG Type: Open Det 20150825 CTD
SHB$_R$2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 113
Lcpk: 113
Lzpk: 97
Lcpk: 89
Lzpk: 99
Lcpk: 92
Lzpk: 99
Lcpk: 90
Lzpk: 100
Lcpk: 94
Lzpk: 93
Lcpk: 85

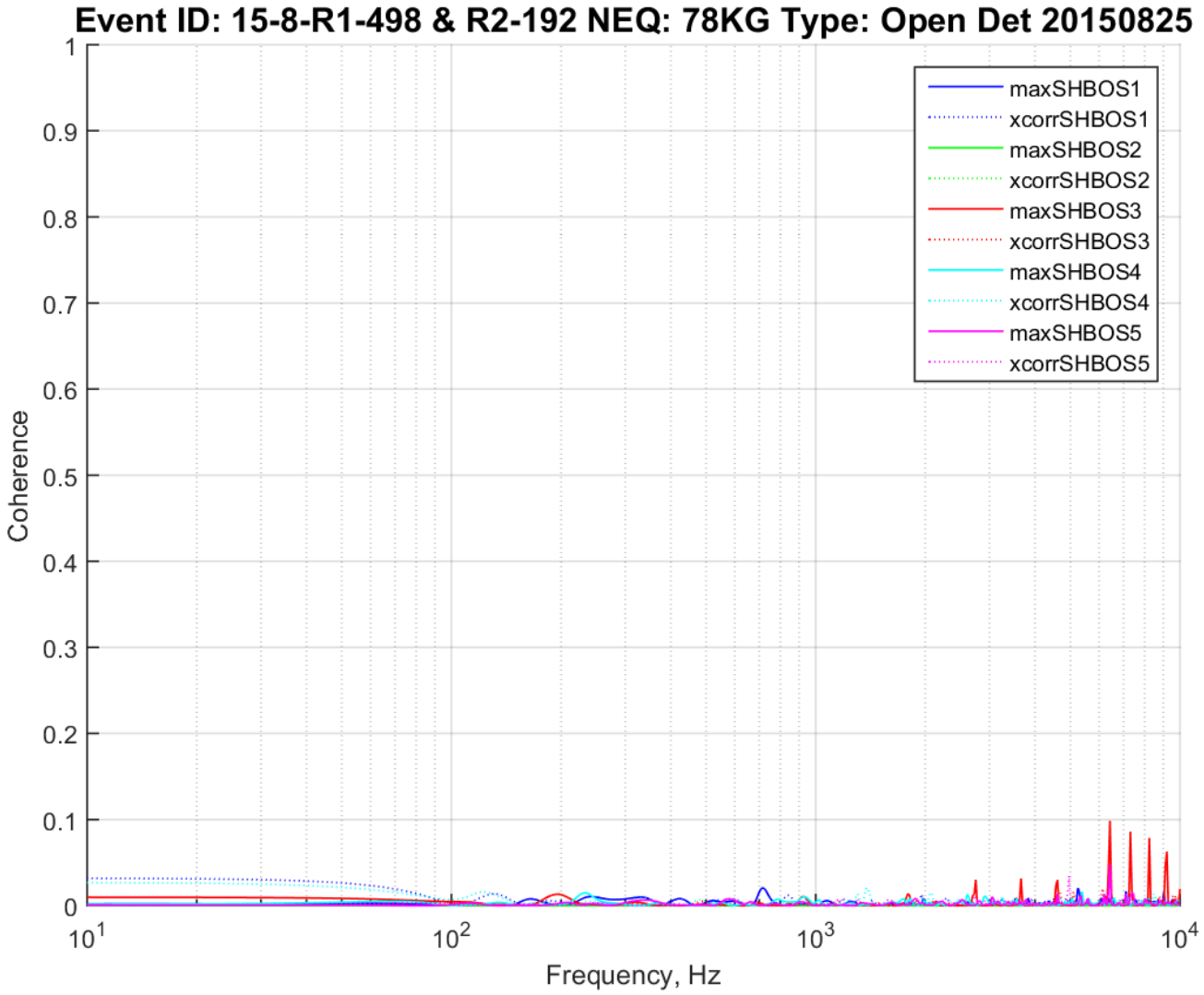


FIGURE 2.688: COHERENCE SHB_OS 1 - 5 15-8-R1-498 & R2-192

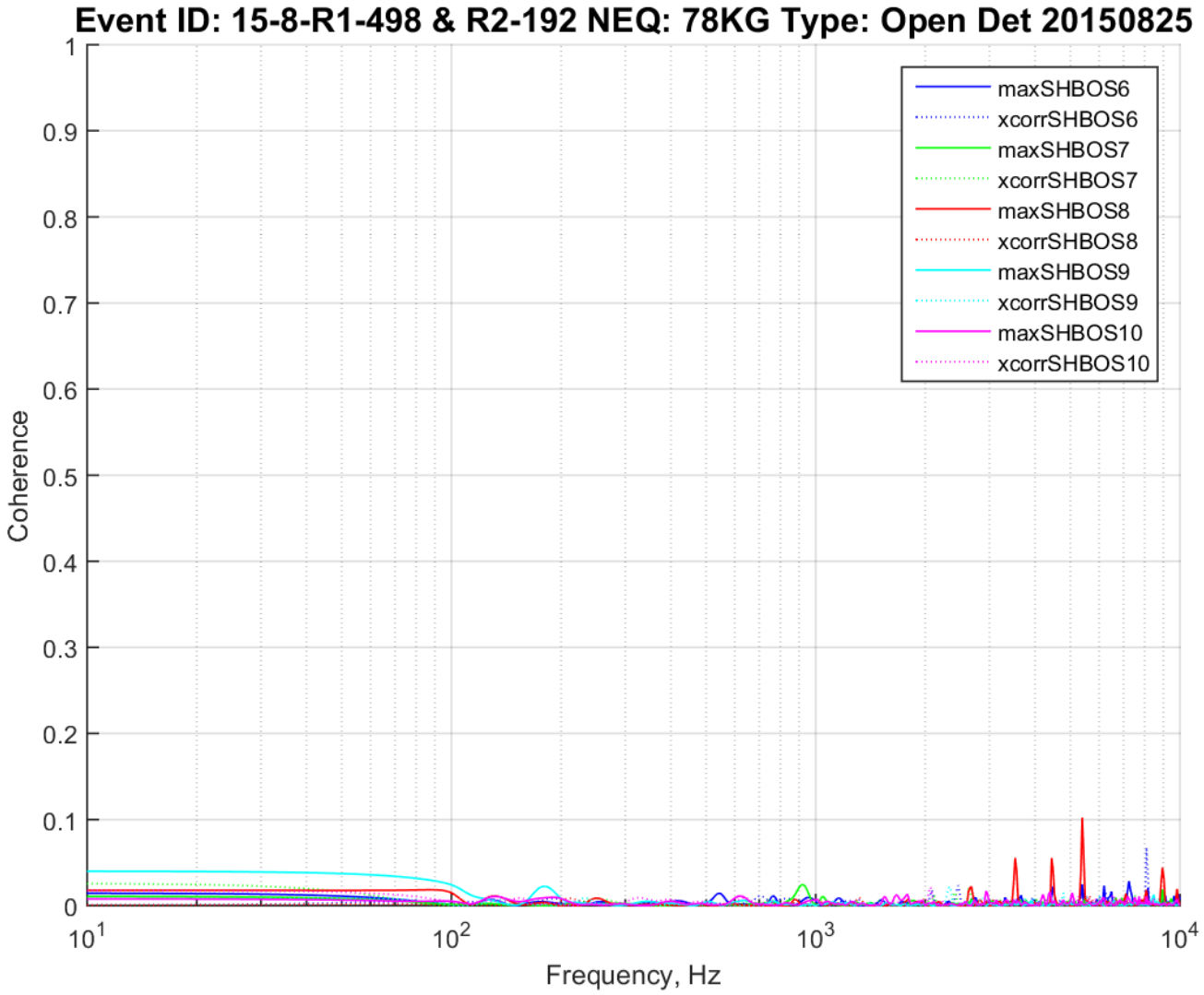


FIGURE 2.689: COHERENCE SHB_OS 6 - 10 15-8-R1-498 & R2-192CTD

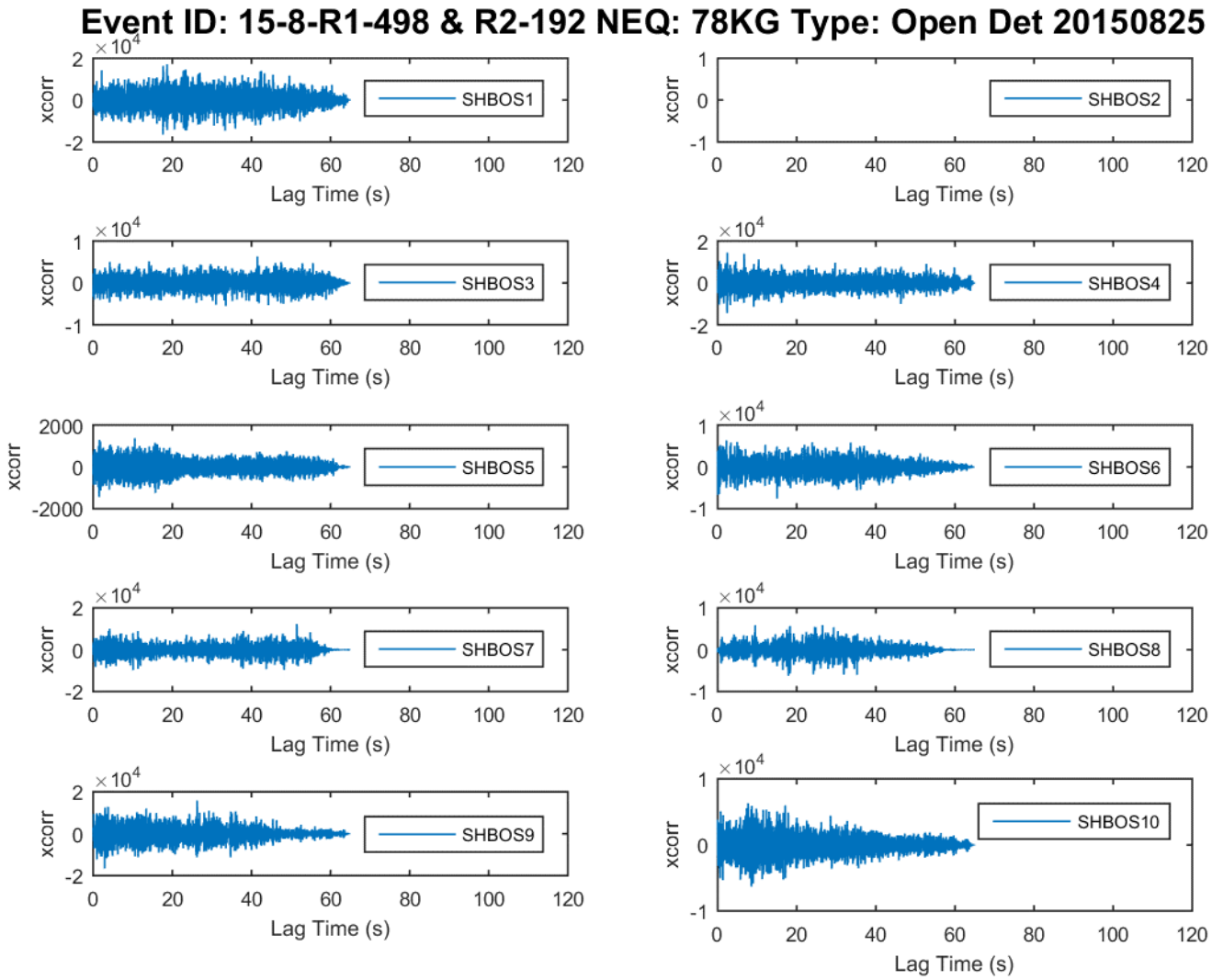


FIGURE 2.690: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-498 & R2-192

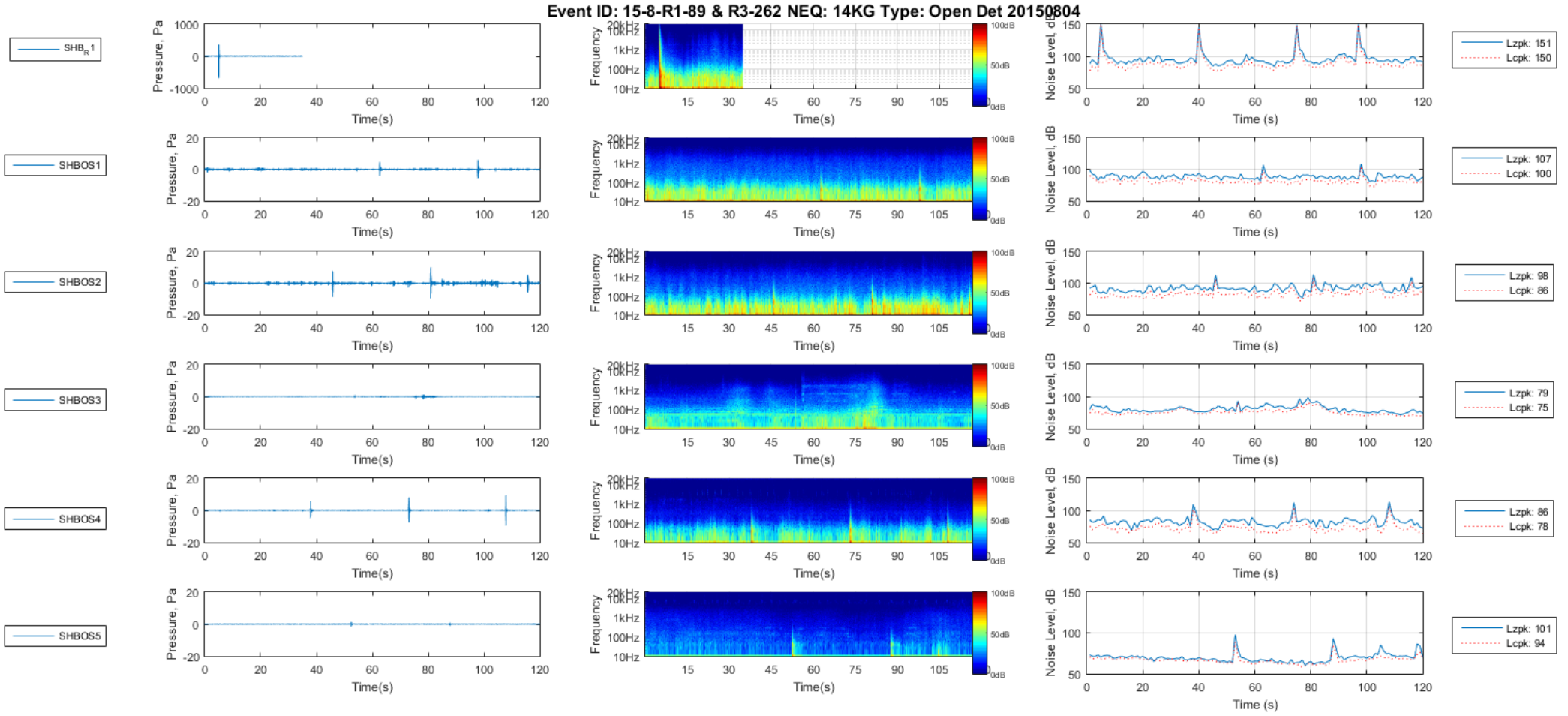


FIGURE 2.691: SHB_OS 1 - 5 15-8-R1-89 & R3-262

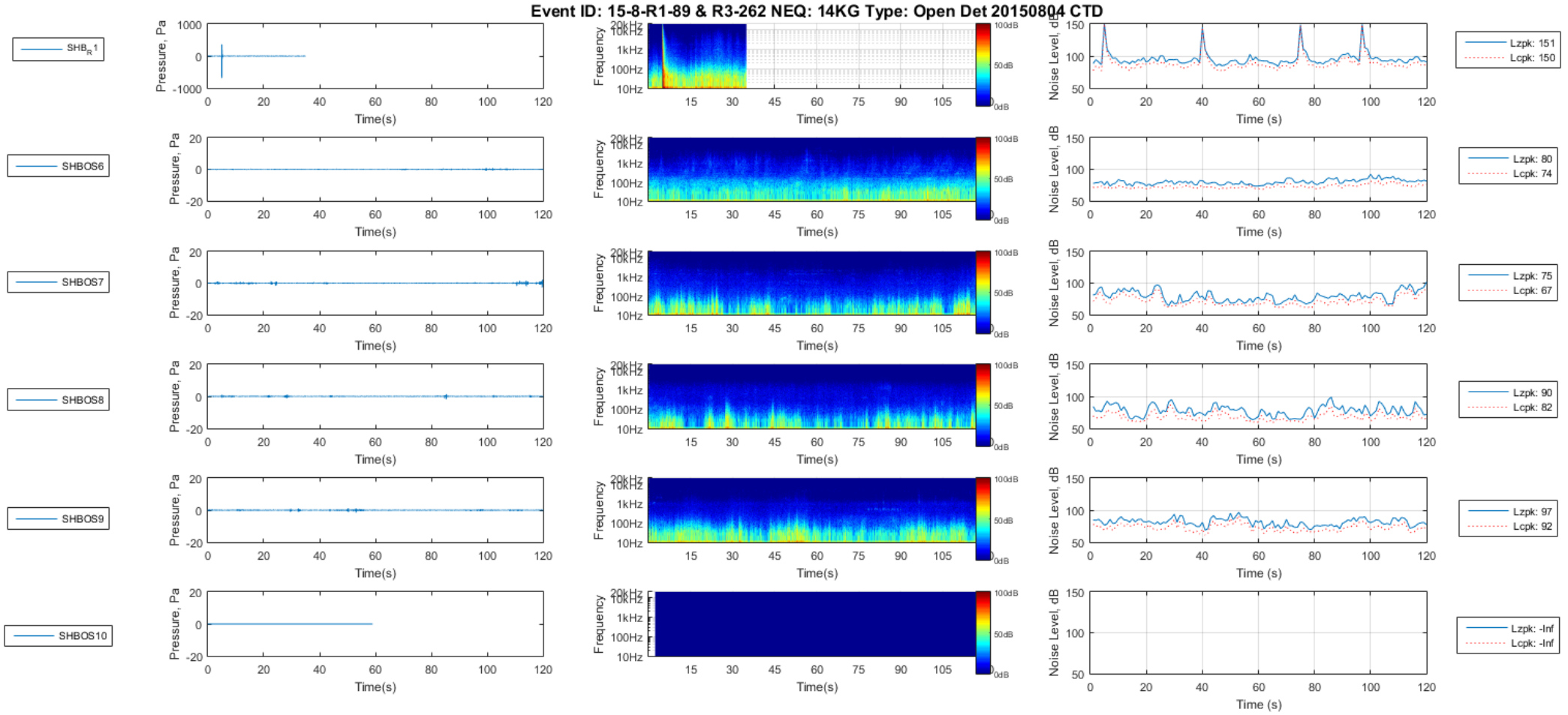


FIGURE 2.692: SHB_OS 6 - 10 15-8-R1-89 & R3-262

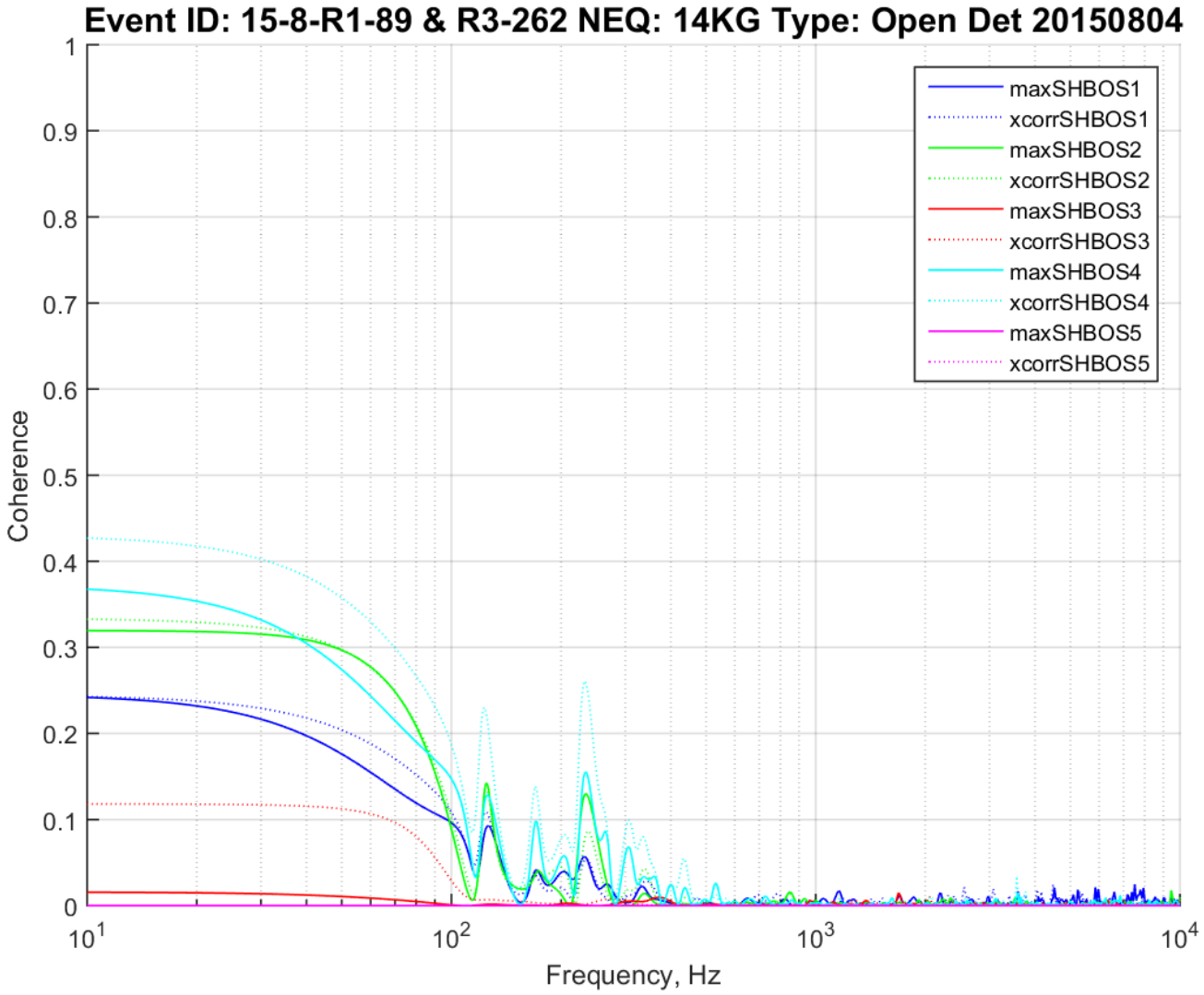


FIGURE 2.693: COHERENCE SHB_OS 1 - 5 15-8-R1-89 & R3-262

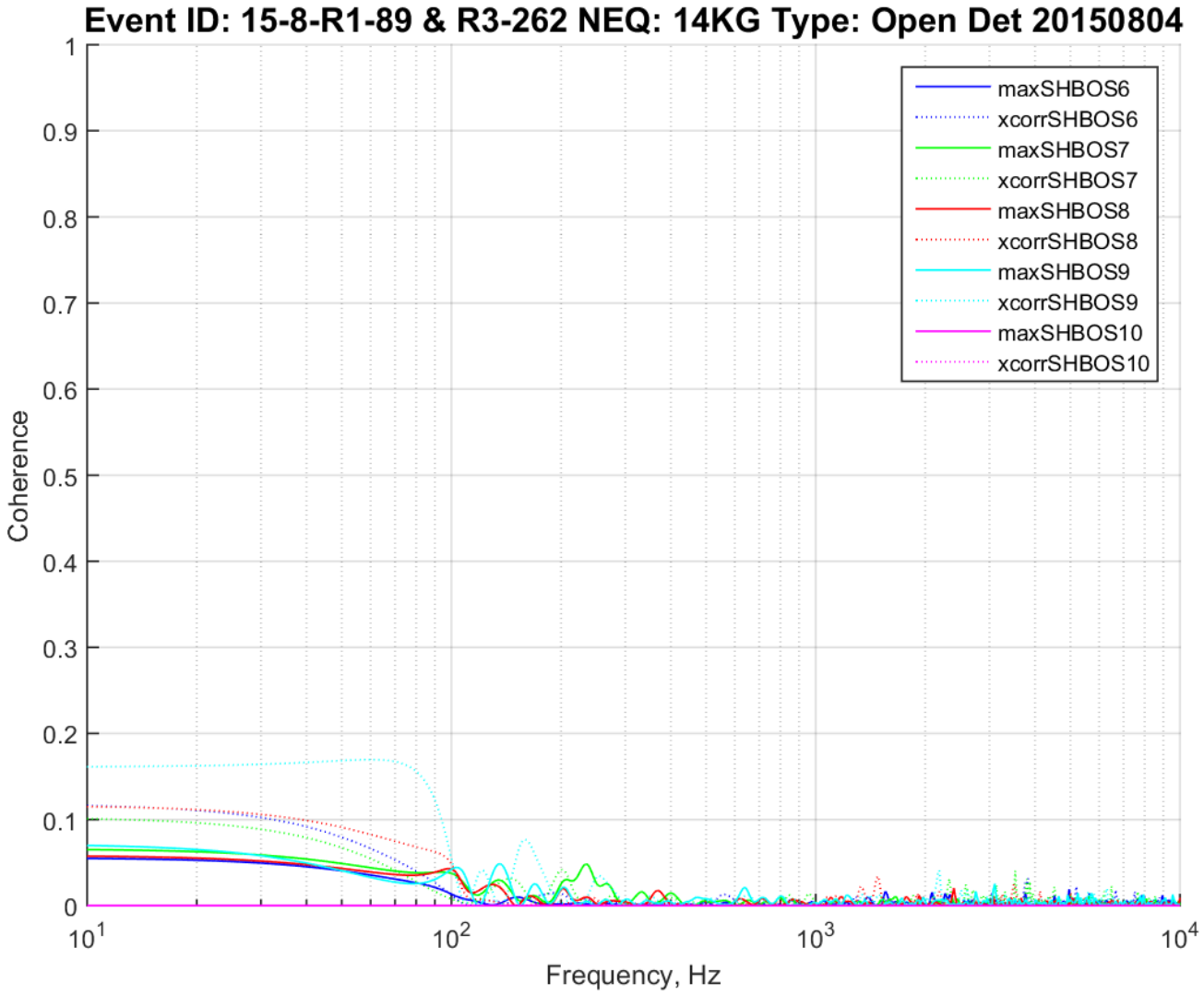


FIGURE 2.694: COHERENCE SHB_OS 6 - 10 15-8-R1-89 & R3-262CTD

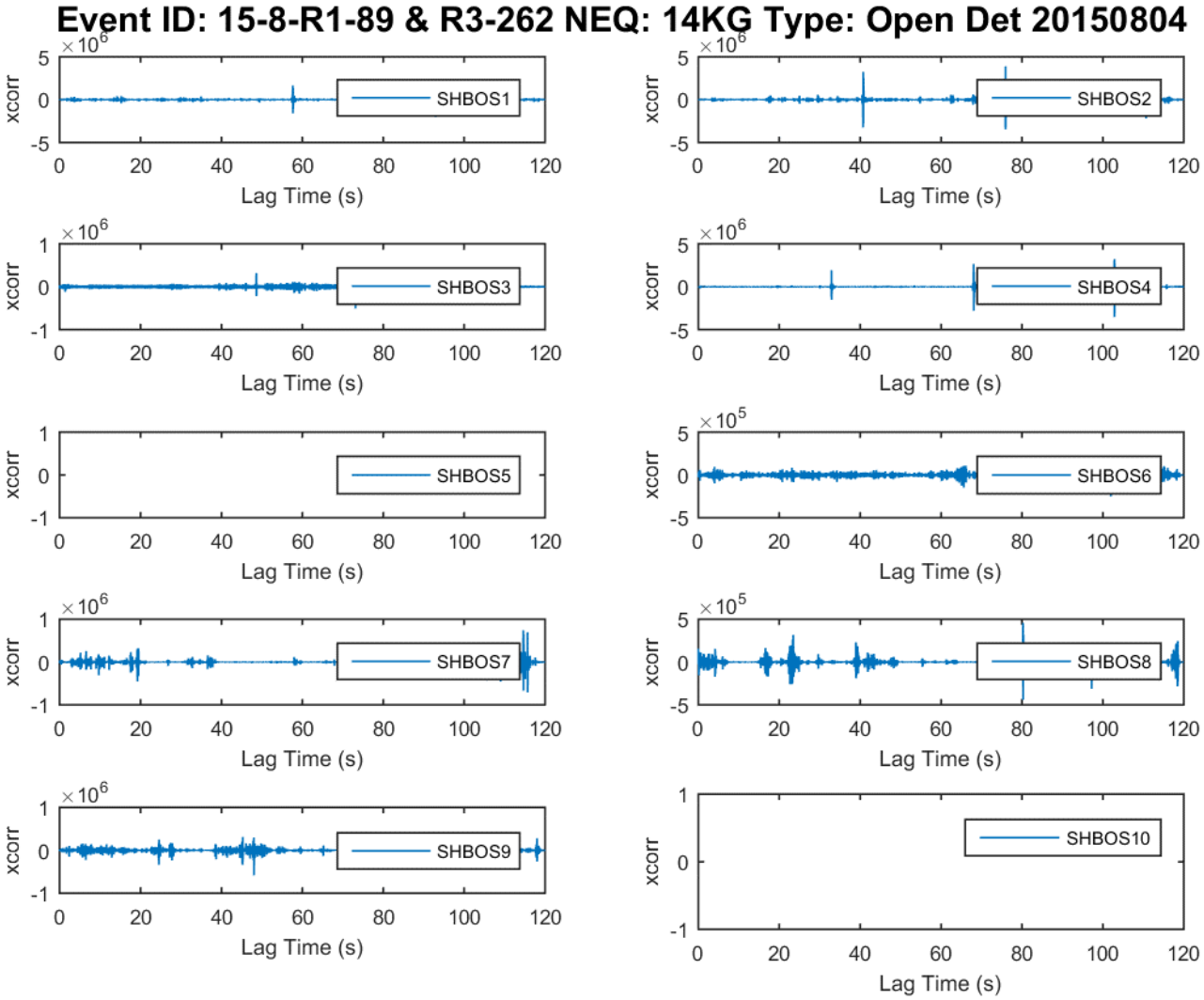
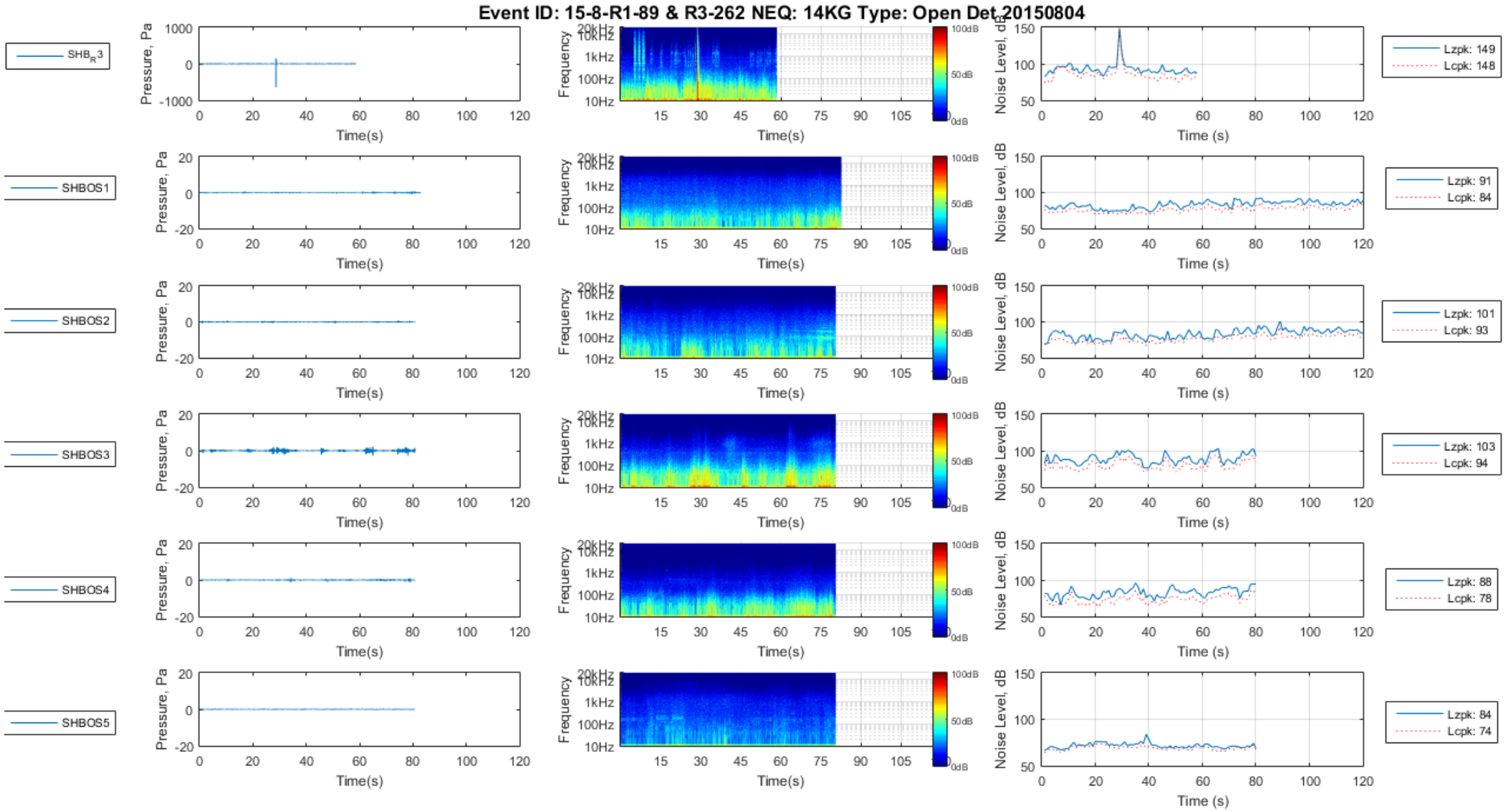
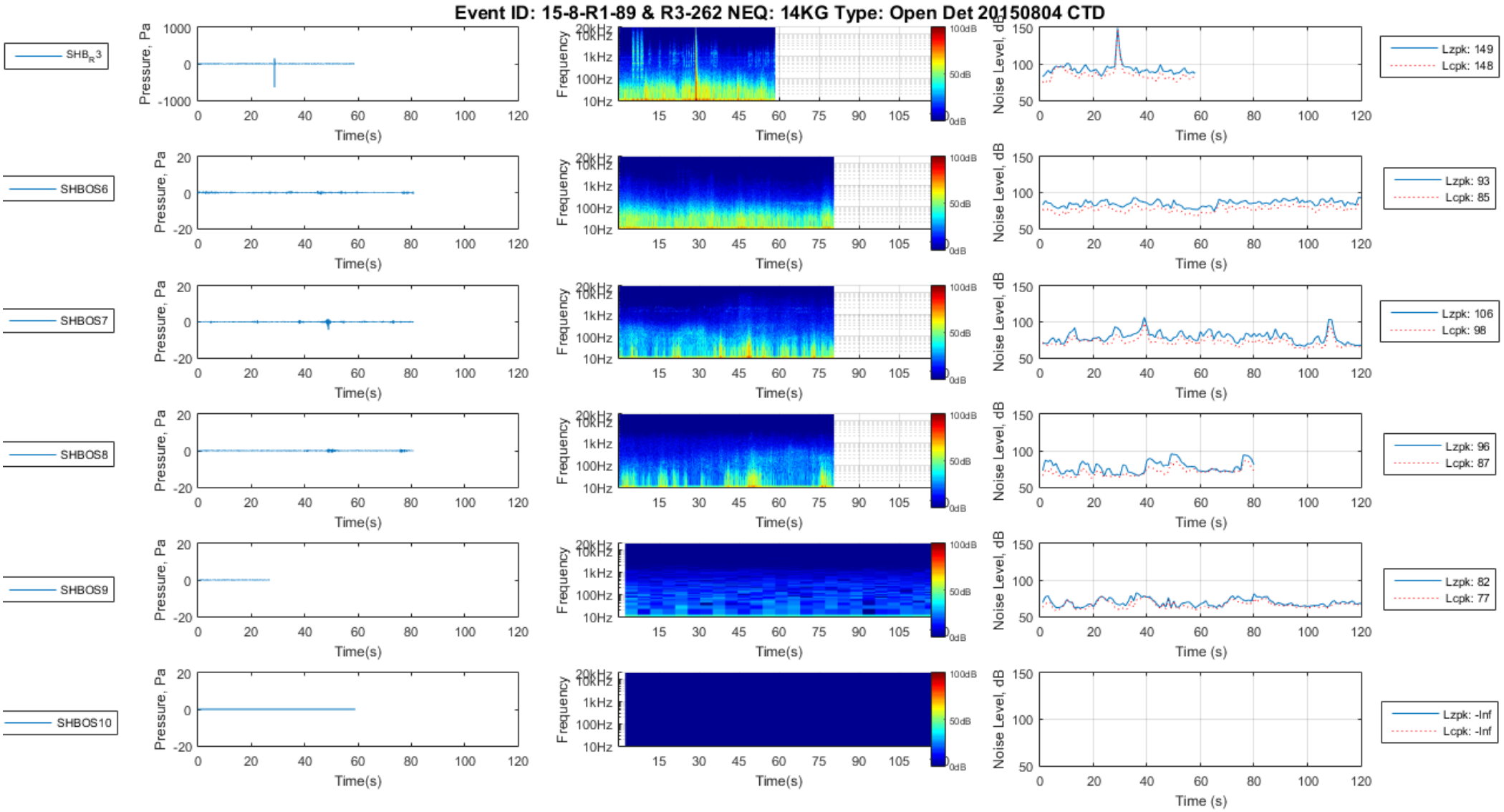


FIGURE 2.695: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-89 & R3-262


Event ID: 15-8-R1-89 & R3-262 NEQ: 14KG Type: Open Det 20150804
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 149
Lcpk: 148
Lzpk: 91
Lcpk: 84
Lzpk: 101
Lcpk: 93
Lzpk: 103
Lcpk: 94
Lzpk: 88
Lcpk: 78
Lzpk: 84
Lcpk: 74


Event ID: 15-8-R1-89 & R3-262 NEQ: 14KG Type: Open Det 20150804 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Frequency
Noise Level, dB
Time(s)
Time (s)
Lzpk: 149
Lcpk: 148
Lzpk: 93
Lcpk: 85
Lzpk: 106
Lcpk: 98
Lzpk: 96
Lcpk: 87
Lzpk: 82
Lcpk: 77
Lzpk: -Inf
Lcpk: -Inf

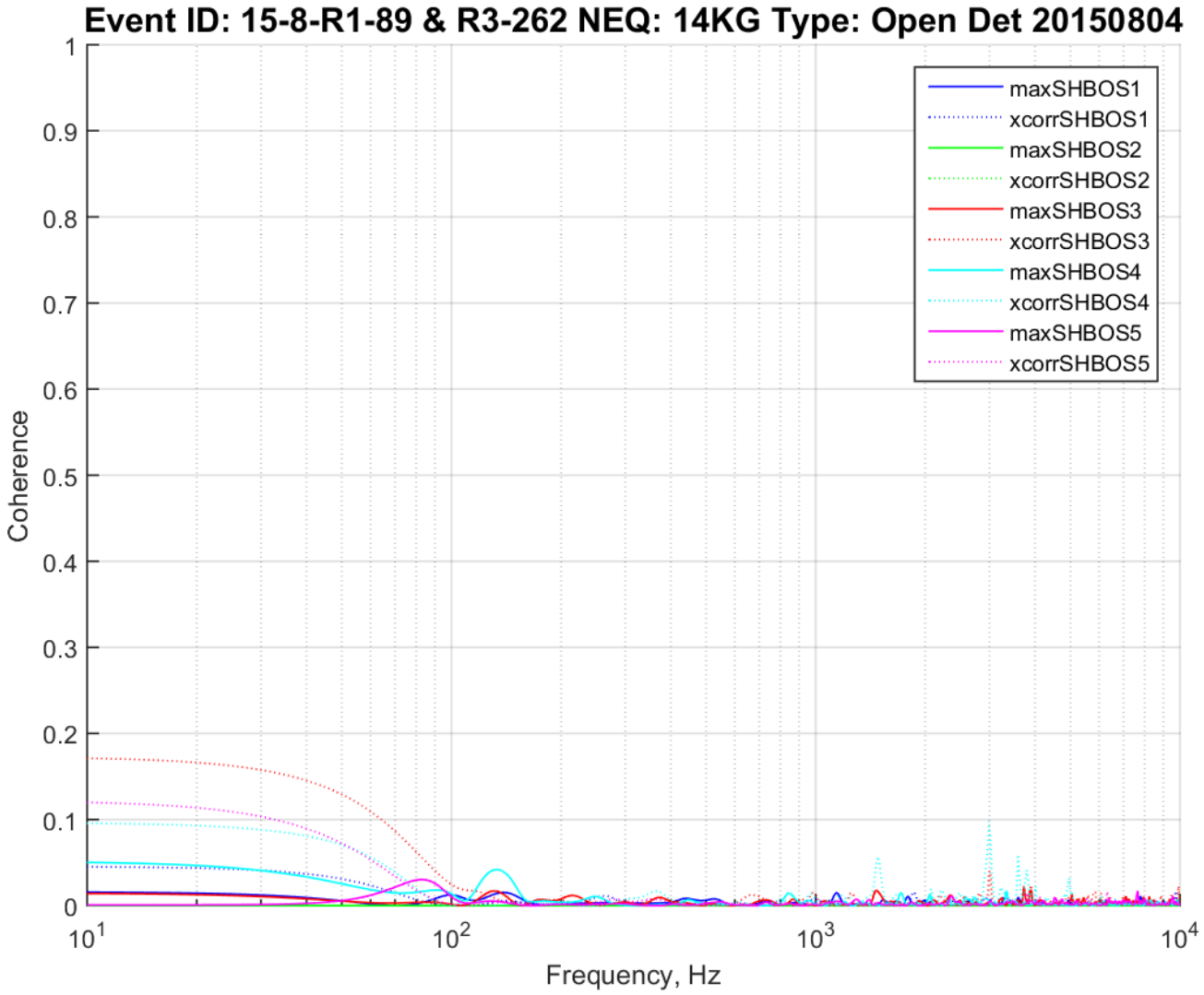


FIGURE 2.698: COHERENCE SHB_OS 1 - 5 15-8-R1-89 & R3-262

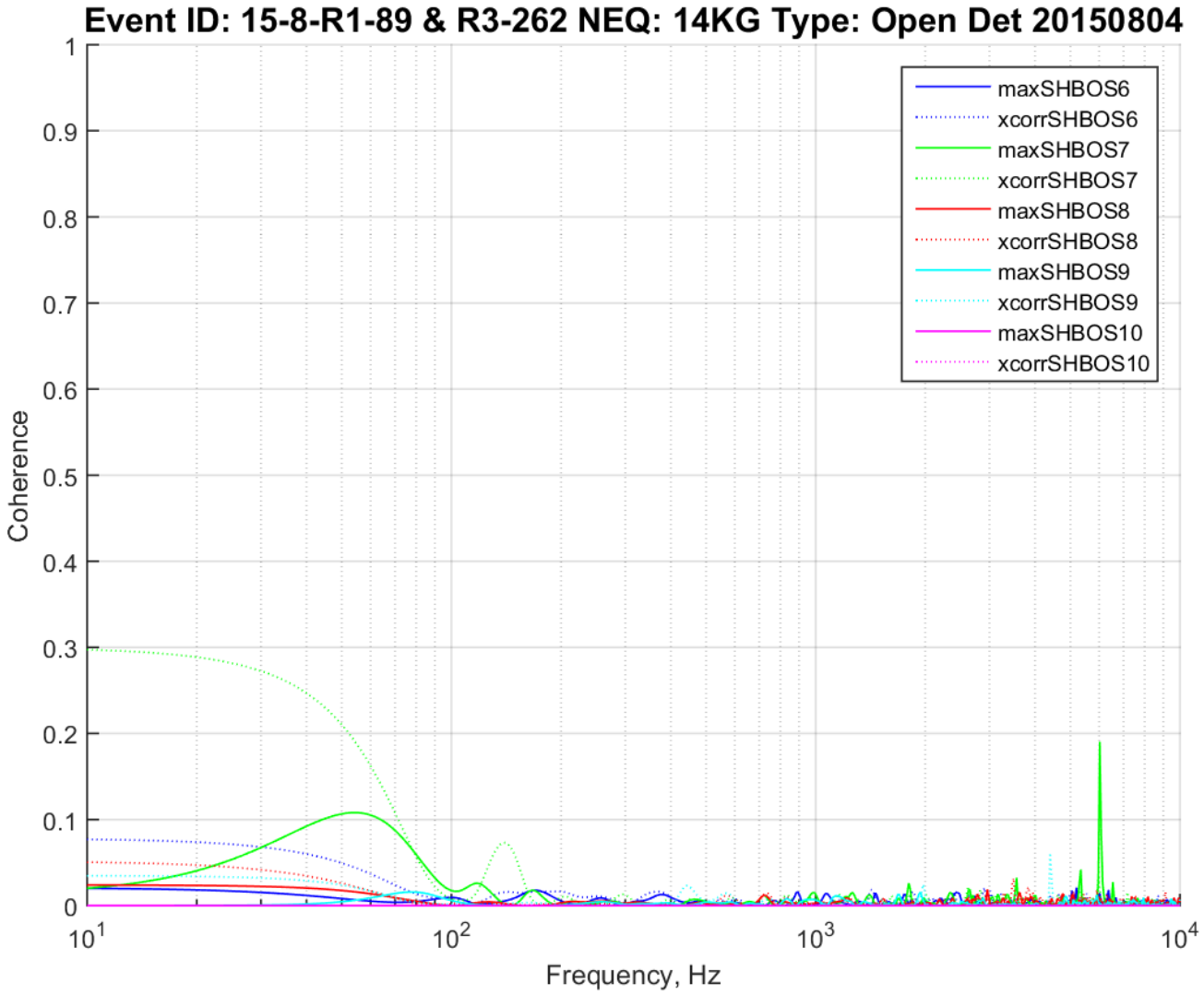


FIGURE 2.699: COHERENCE SHB_OS 6 - 10 15-8-R1-89 & R3-262CTD

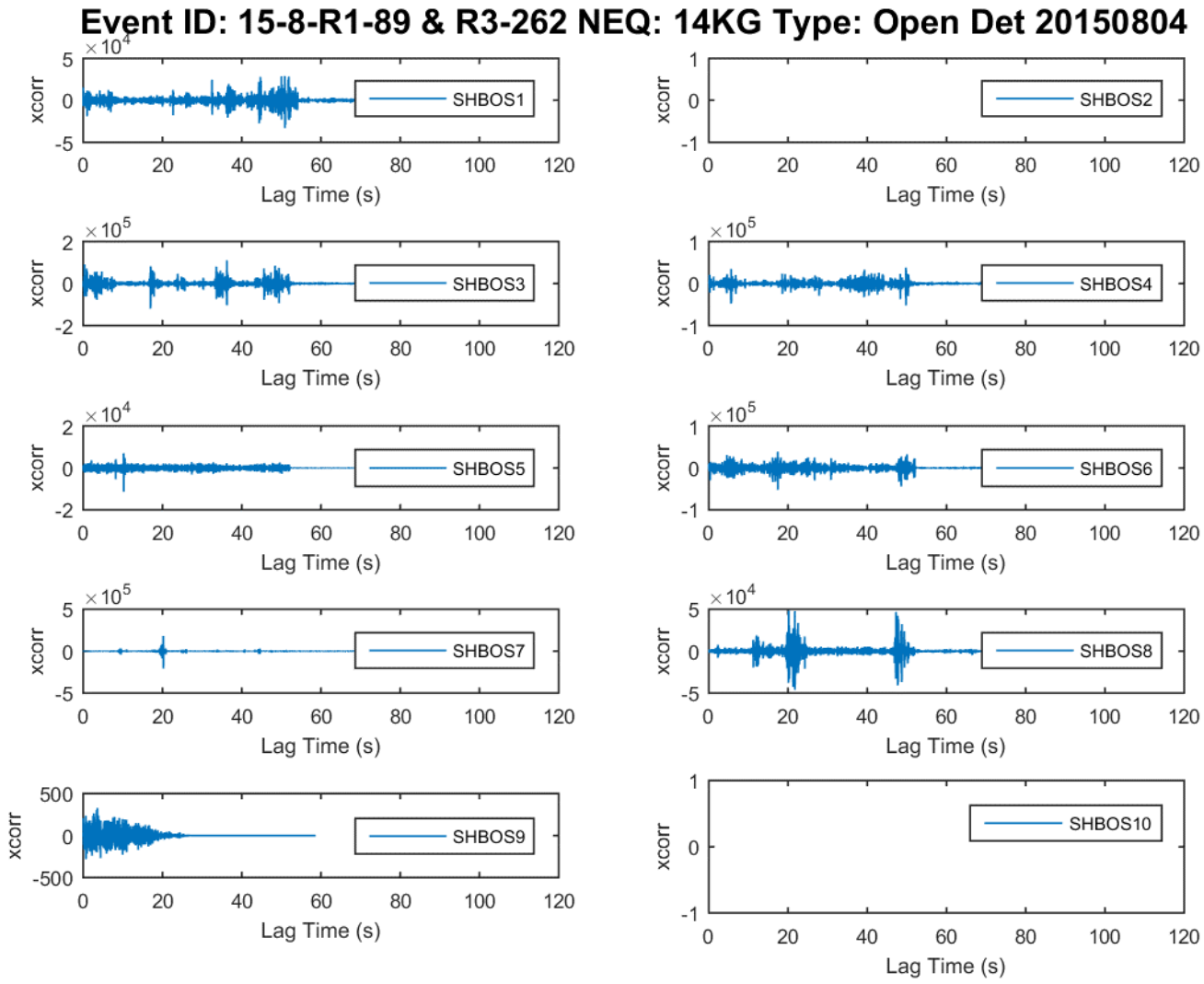


FIGURE 2.700: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-89 & R3-262

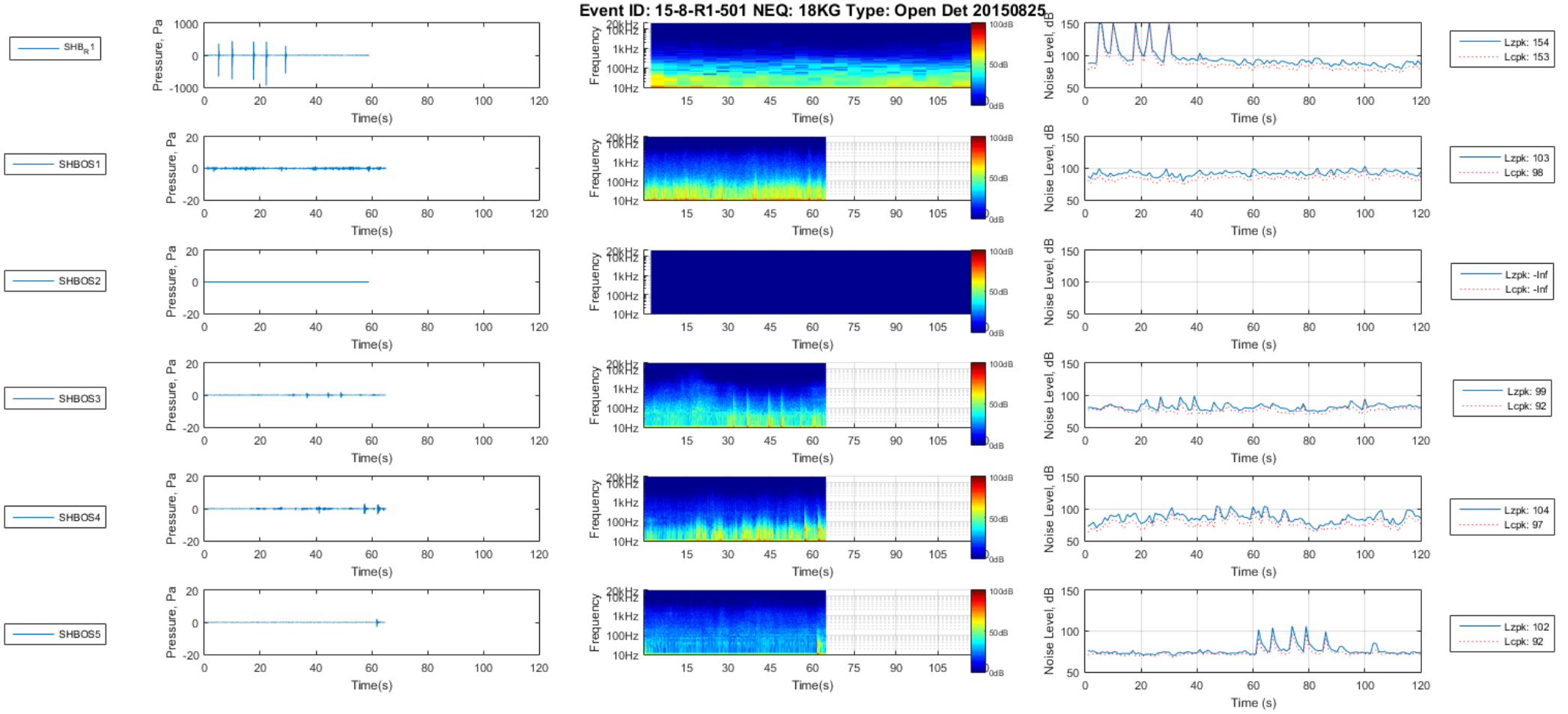


FIGURE 2.701: SHB_OS 1 - 5 15-8-R1-501

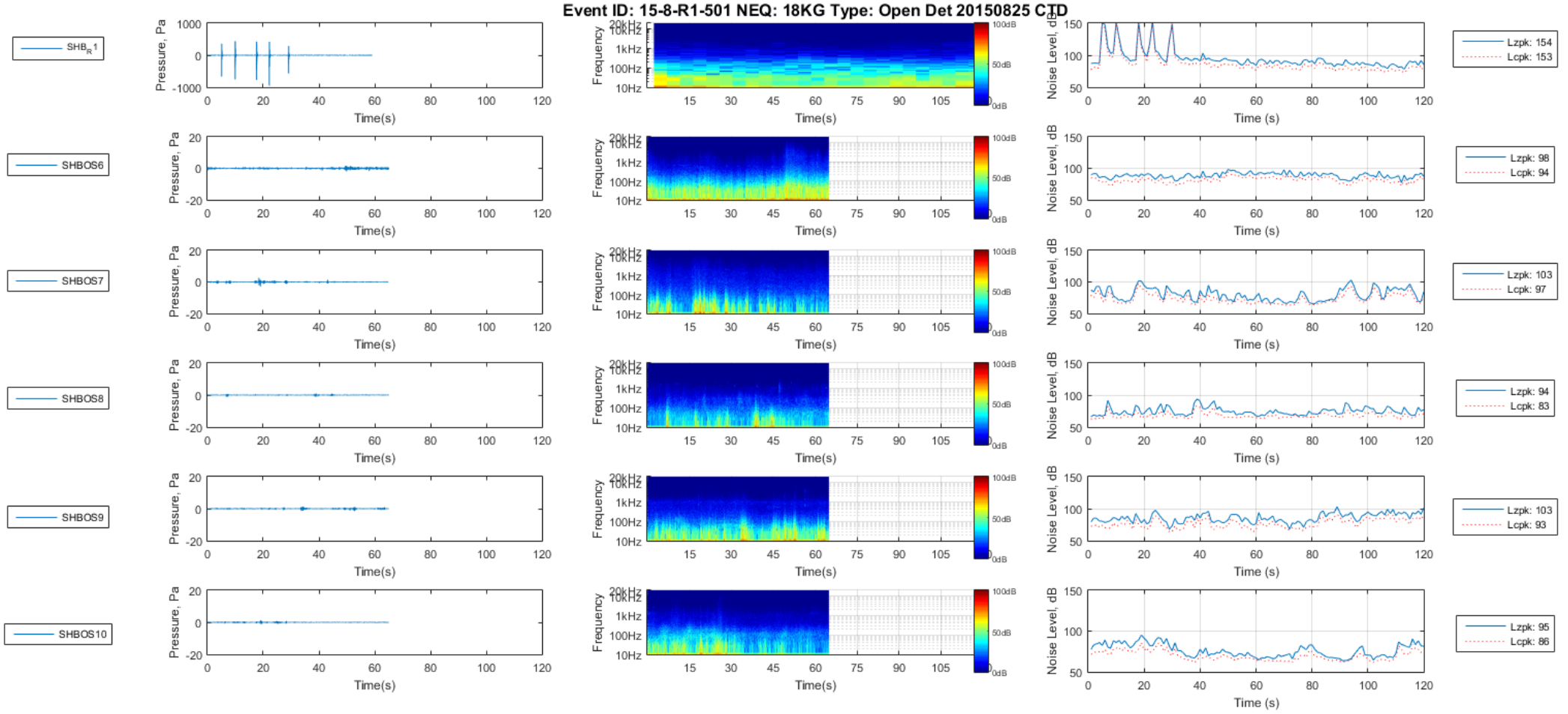


FIGURE 2.702: SHB_OS 6 - 10 15-8-R1-501

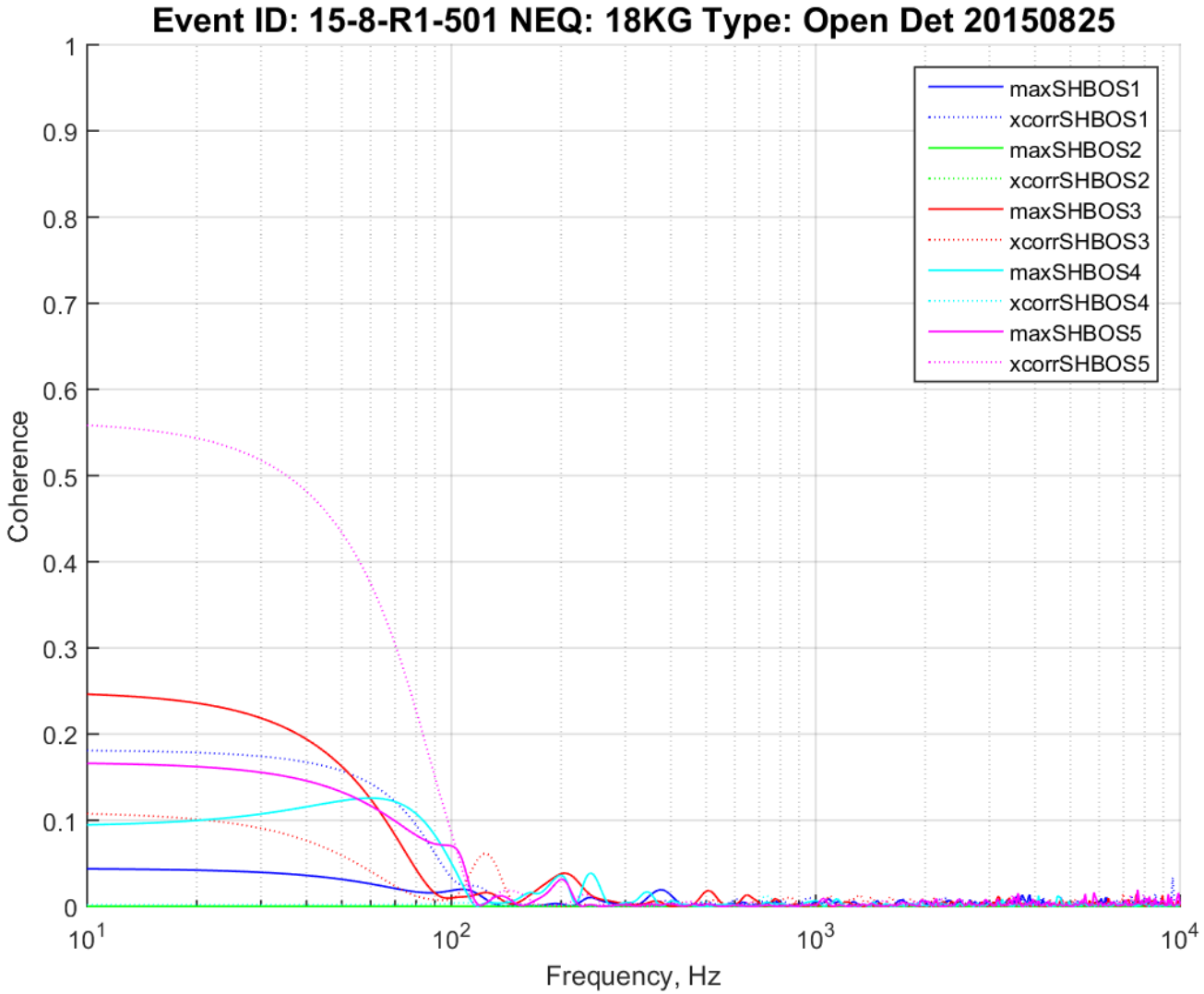


FIGURE 2.703: COHERENCE SHB_OS 1 - 5 15-8-R1-501

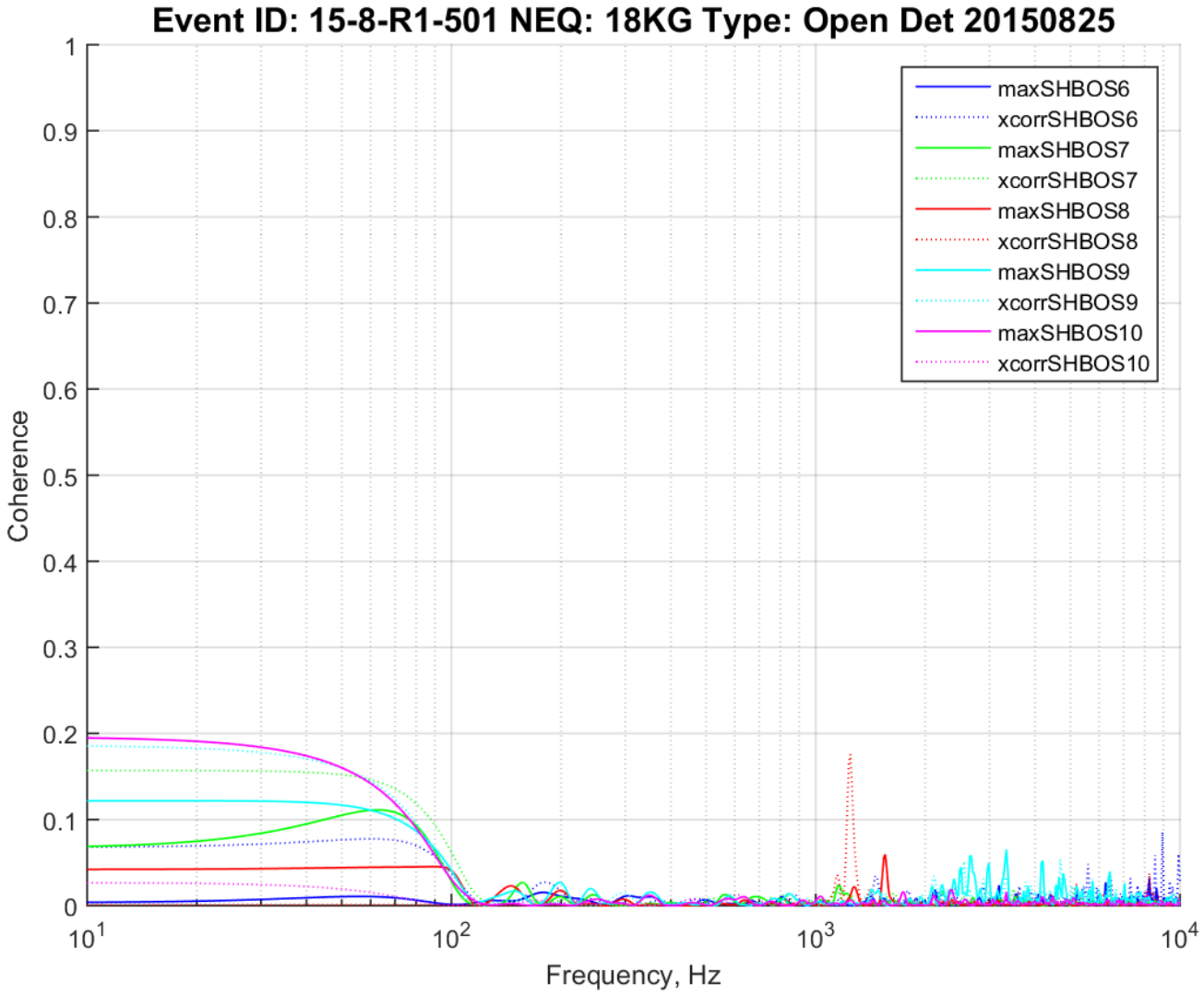


FIGURE 2.704: COHERENCE SHB_OS 6 - 10 15-8-R1-501CTD

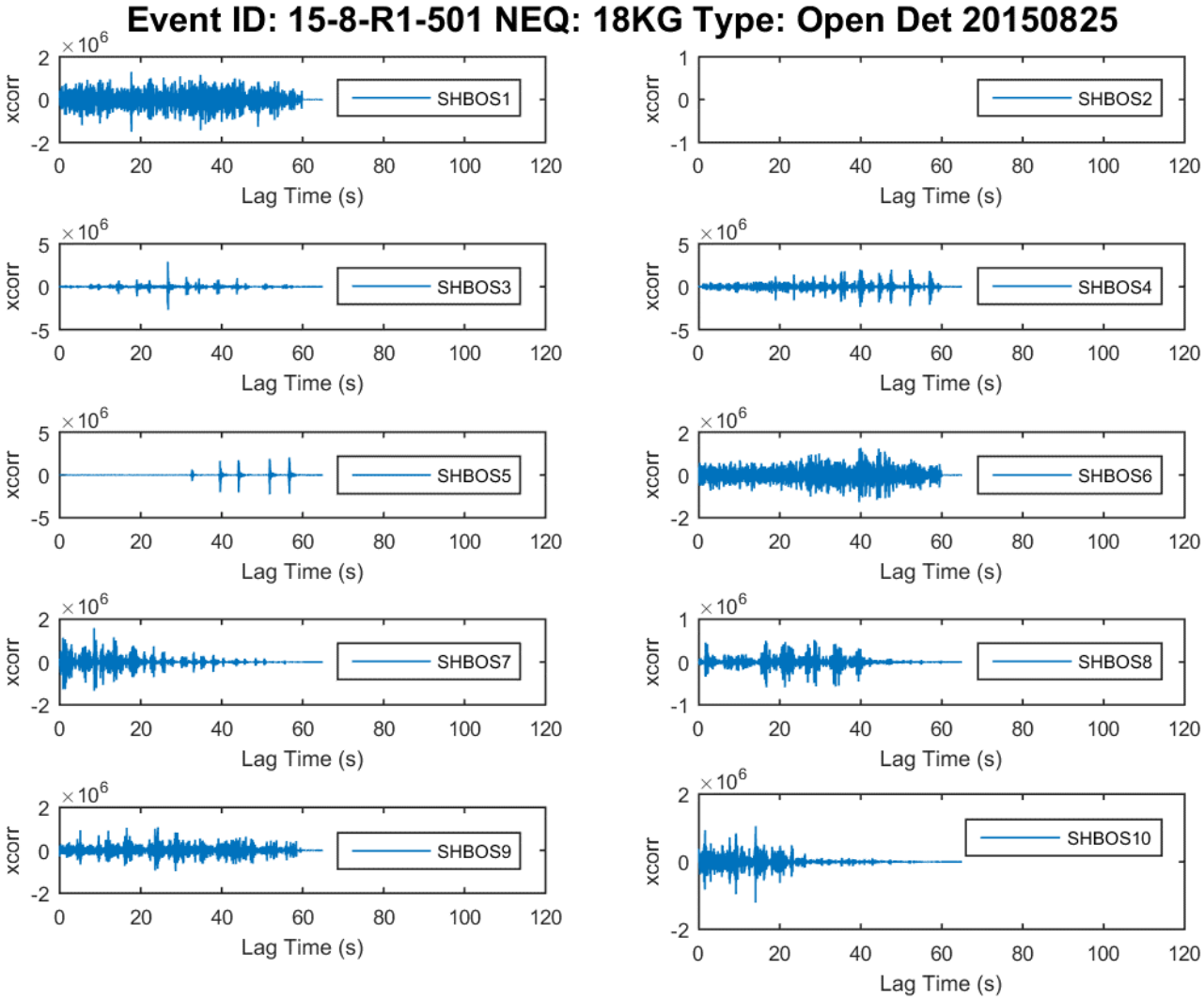


FIGURE 2.705: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-501

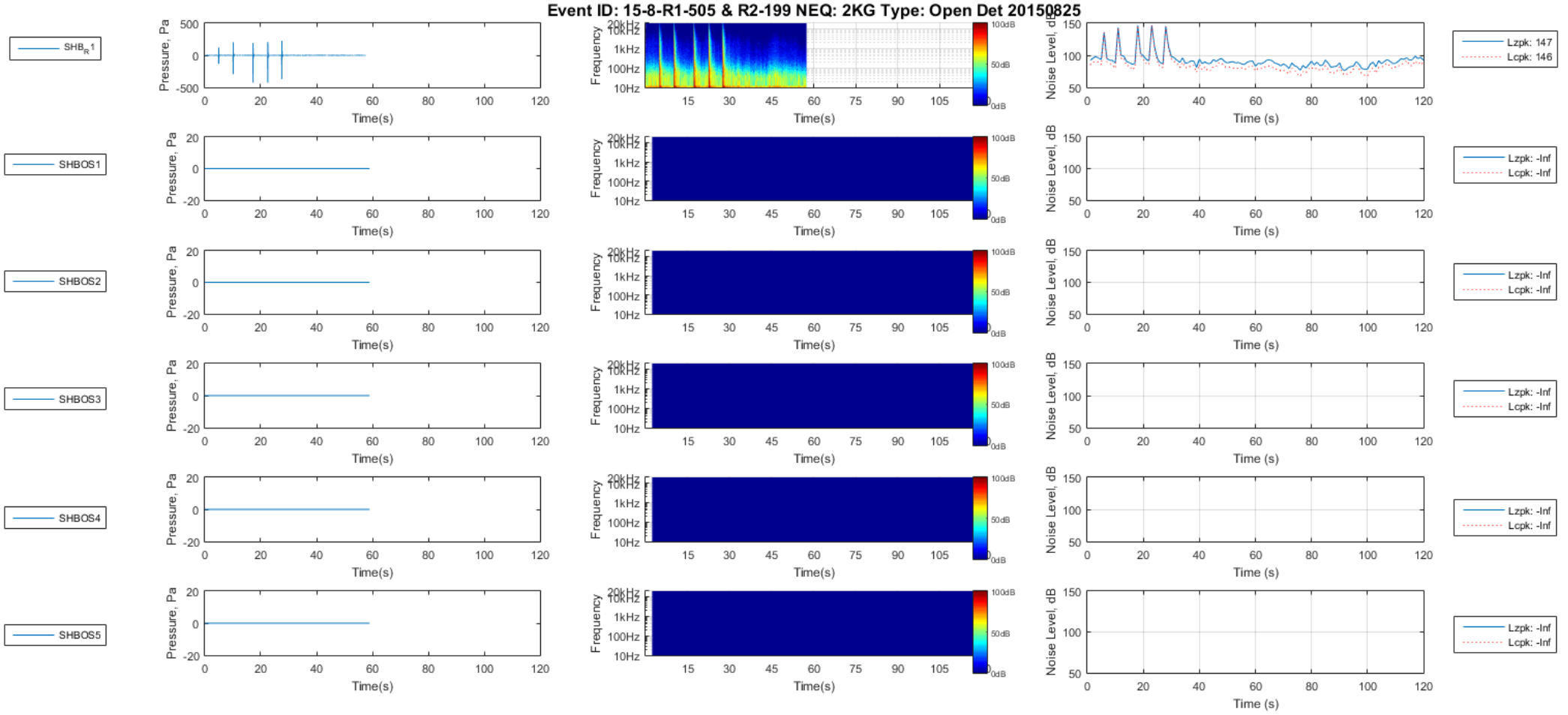


FIGURE 2.706: SHB_OS 1 - 5 15-8-R1-505 & R2-199

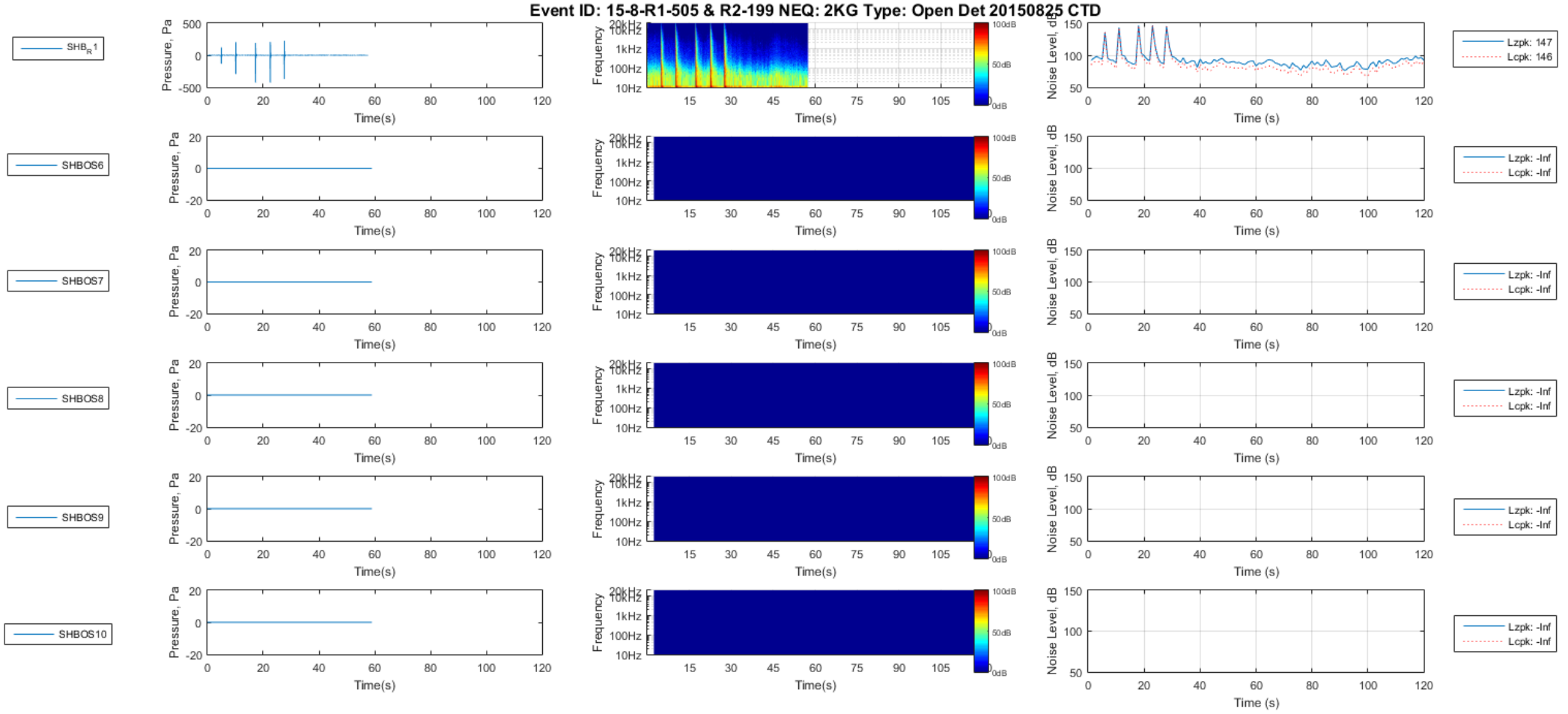


FIGURE 2.707: SHB_OS 6 - 10 15-8-R1-505 & R2-199

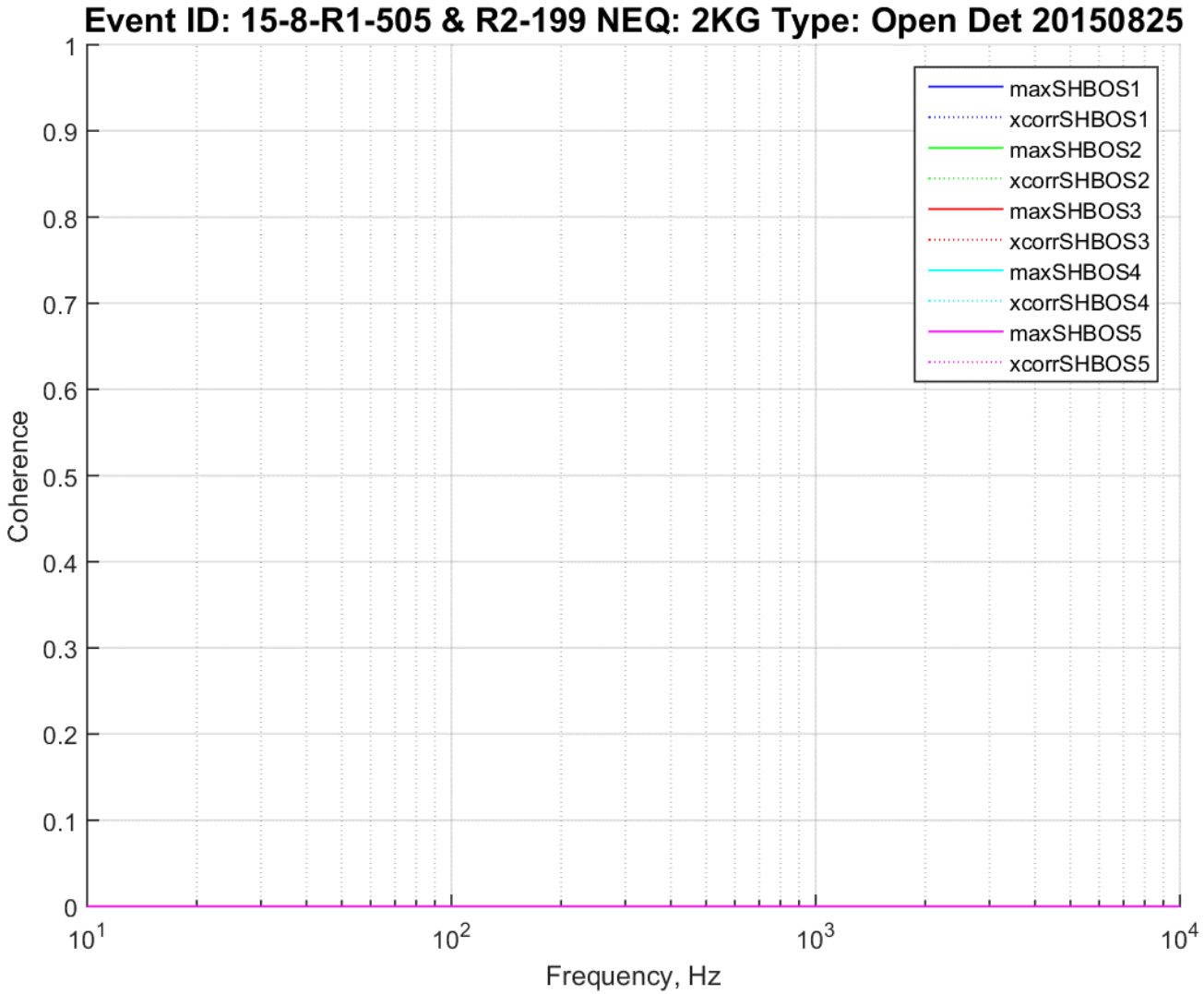


FIGURE 2.708: COHERENCE SHB_OS 1 - 5 15-8-R1-505 & R2-199

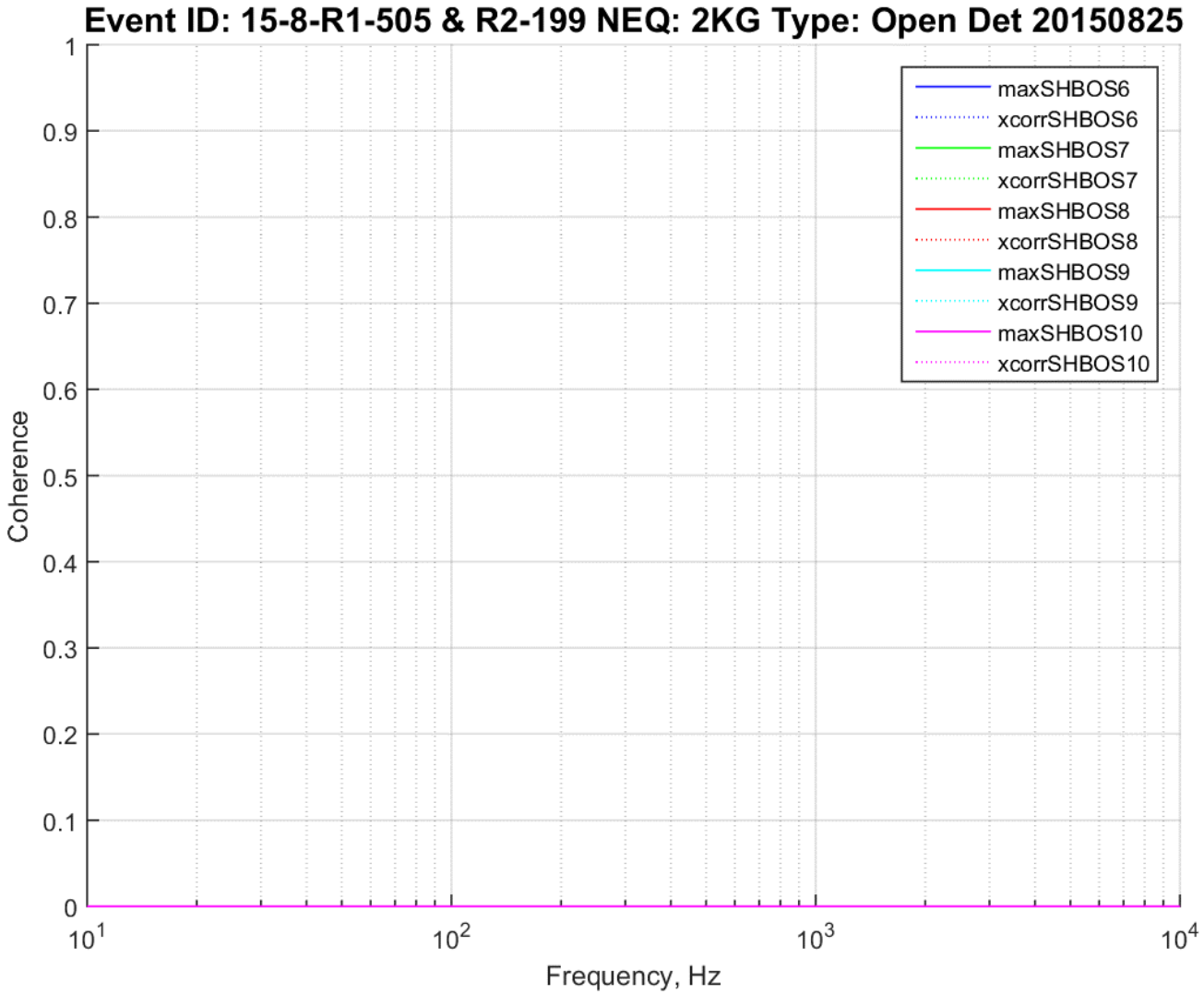


FIGURE 2.709: COHERENCE SHB_OS 6 - 10 15-8-R1-505 & R2-199CTD

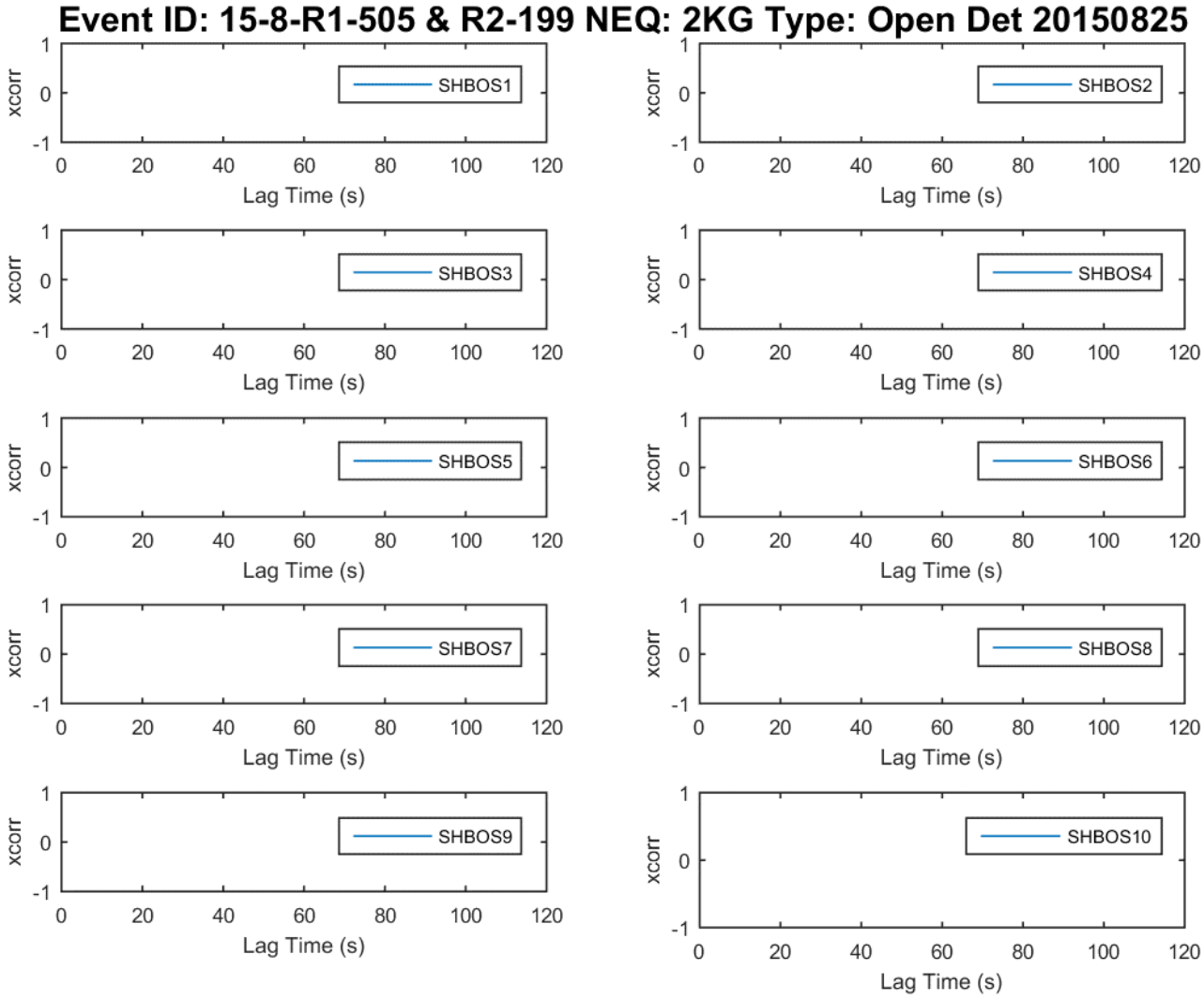
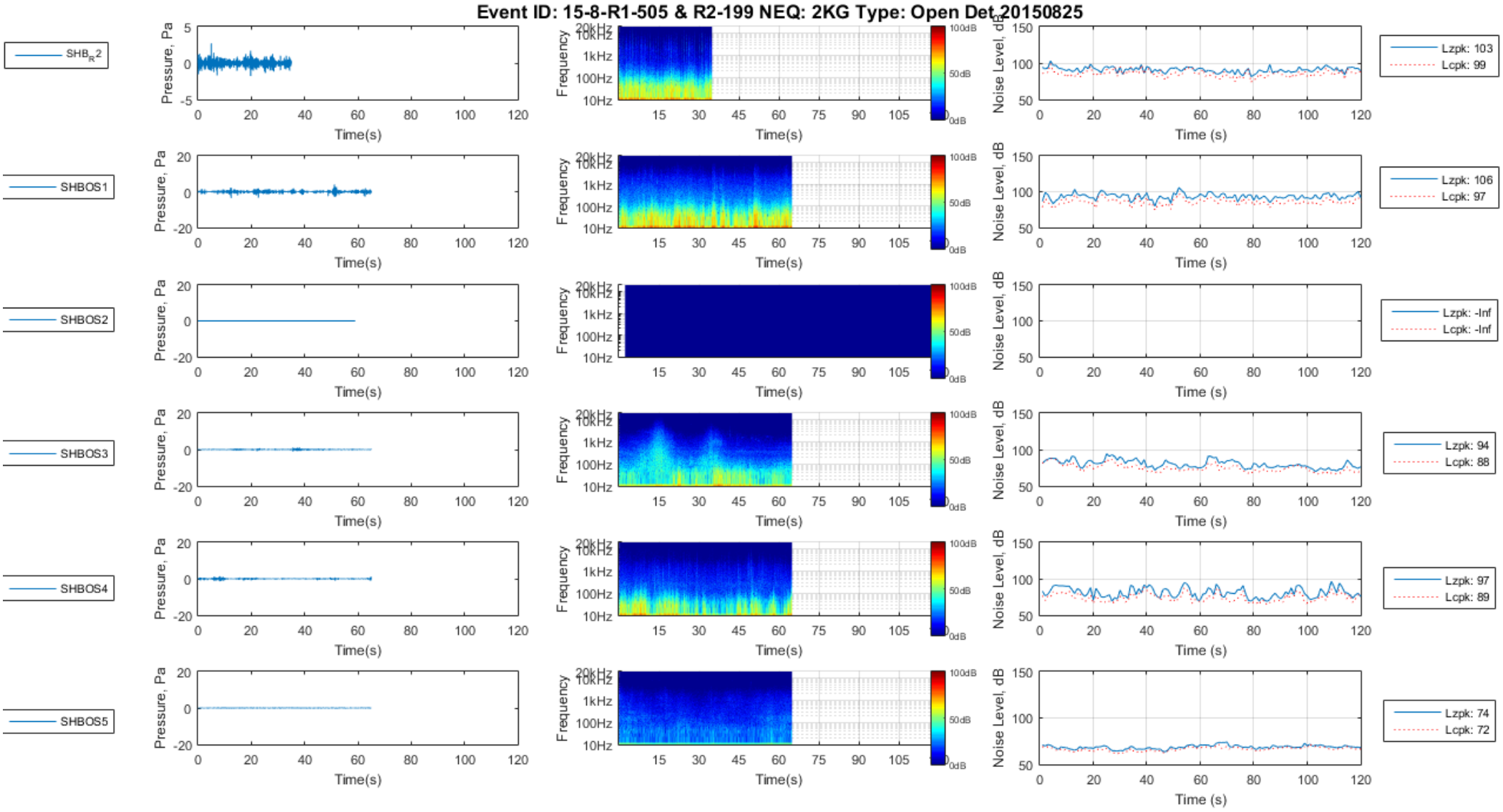
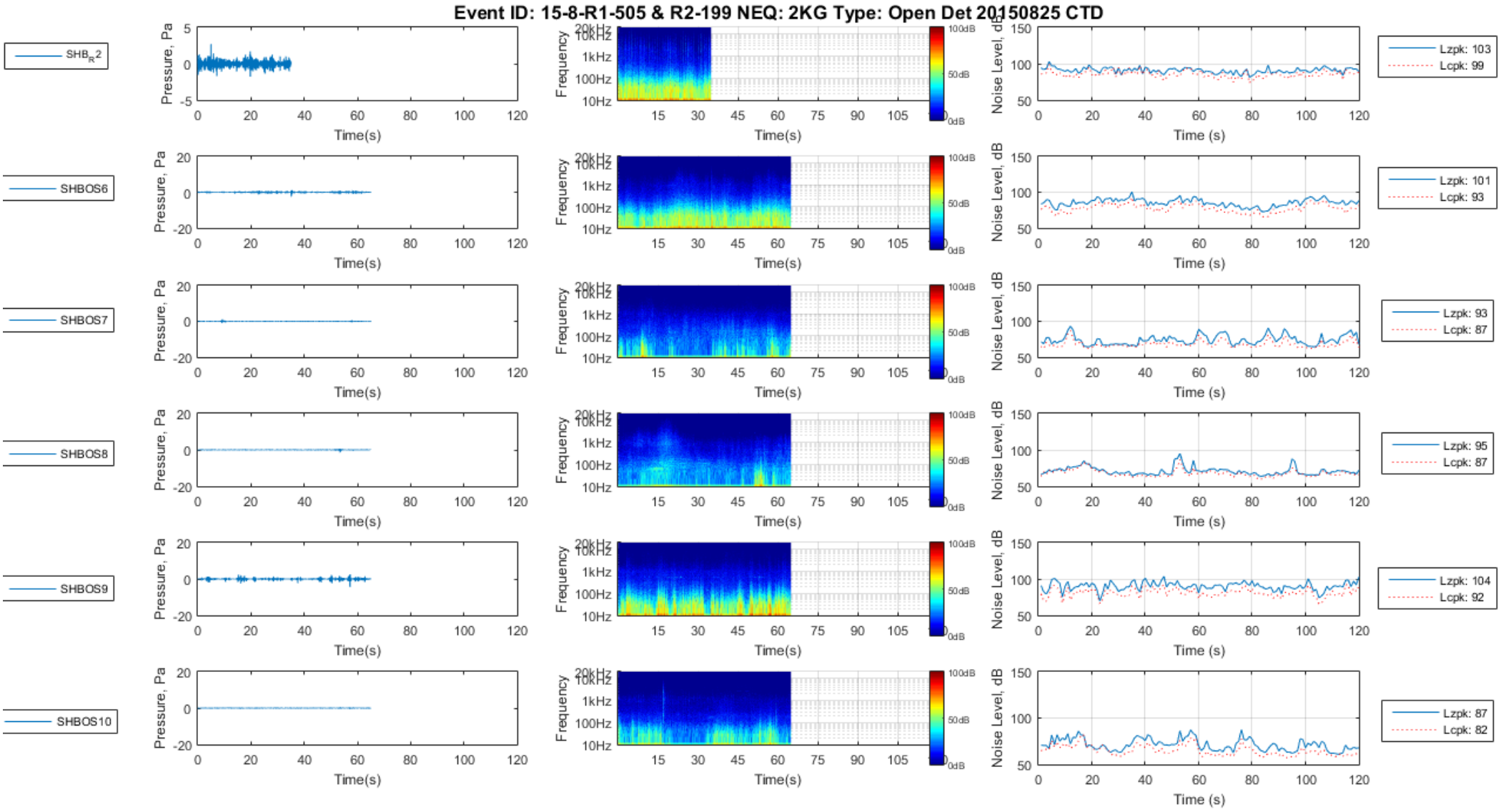


FIGURE 2.710: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-505 & R2-199


Event ID: 15-8-R1-505 & R2-199 NEQ: 2KG Type: Open Det 20150825
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 103
Lcpk: 99
Lzpk: 106
Lcpk: 97
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 94
Lcpk: 88
Lzpk: 97
Lcpk: 89
Lzpk: 74
Lcpk: 72


Event ID: 15-8-R1-505 & R2-199 NEQ: 2KG Type: Open Det 20150825 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 103
Lcpk: 99
Lzpk: 101
Lcpk: 93
Lzpk: 93
Lcpk: 87
Lzpk: 95
Lcpk: 87
Lzpk: 104
Lcpk: 92
Lzpk: 87
Lcpk: 82

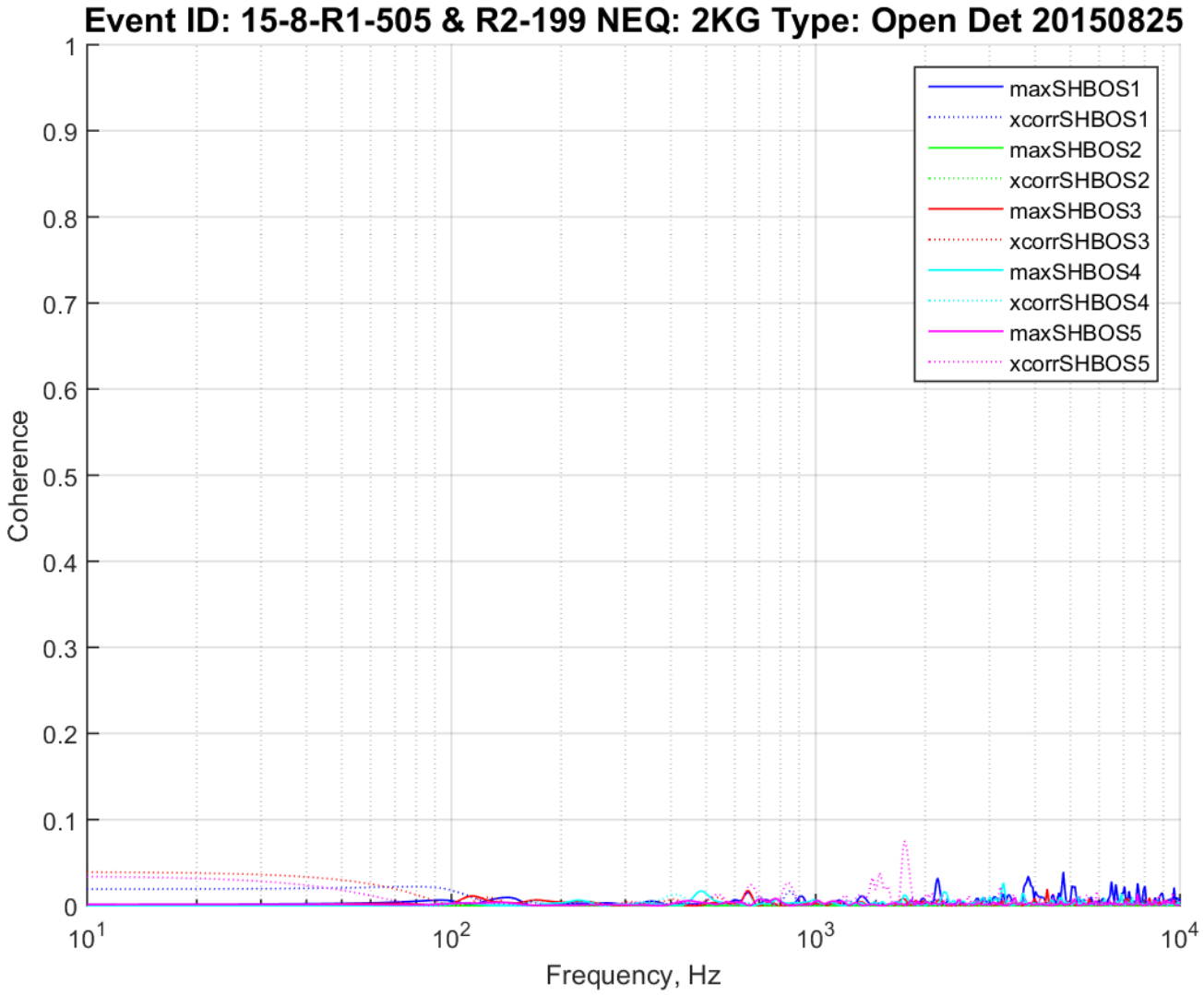


FIGURE 2.713: COHERENCE SHB_OS 1 - 5 15-8-R1-505 & R2-199

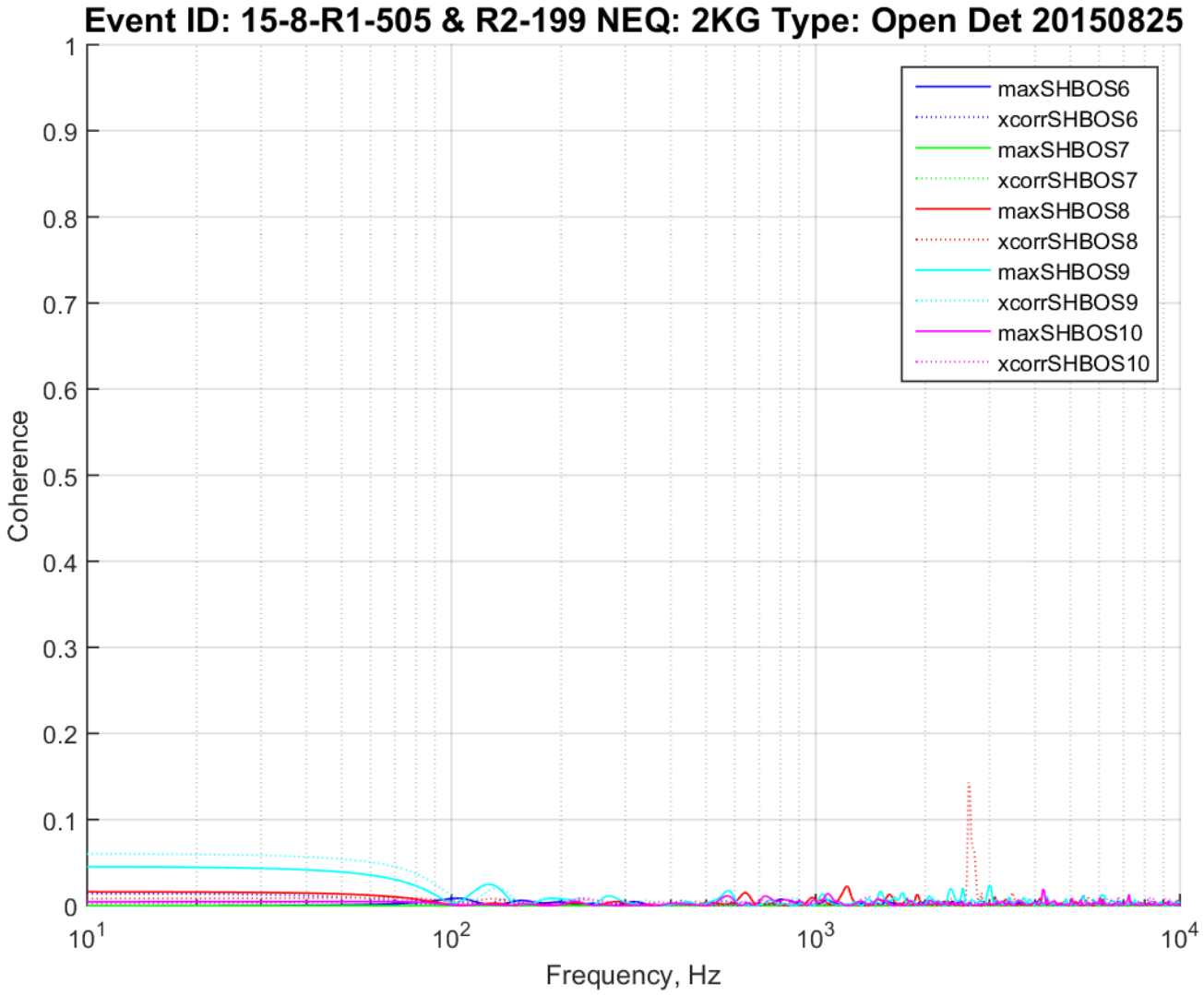


FIGURE 2.714: COHERENCE SHB_OS 6 - 10 15-8-R1-505 & R2-199CTD

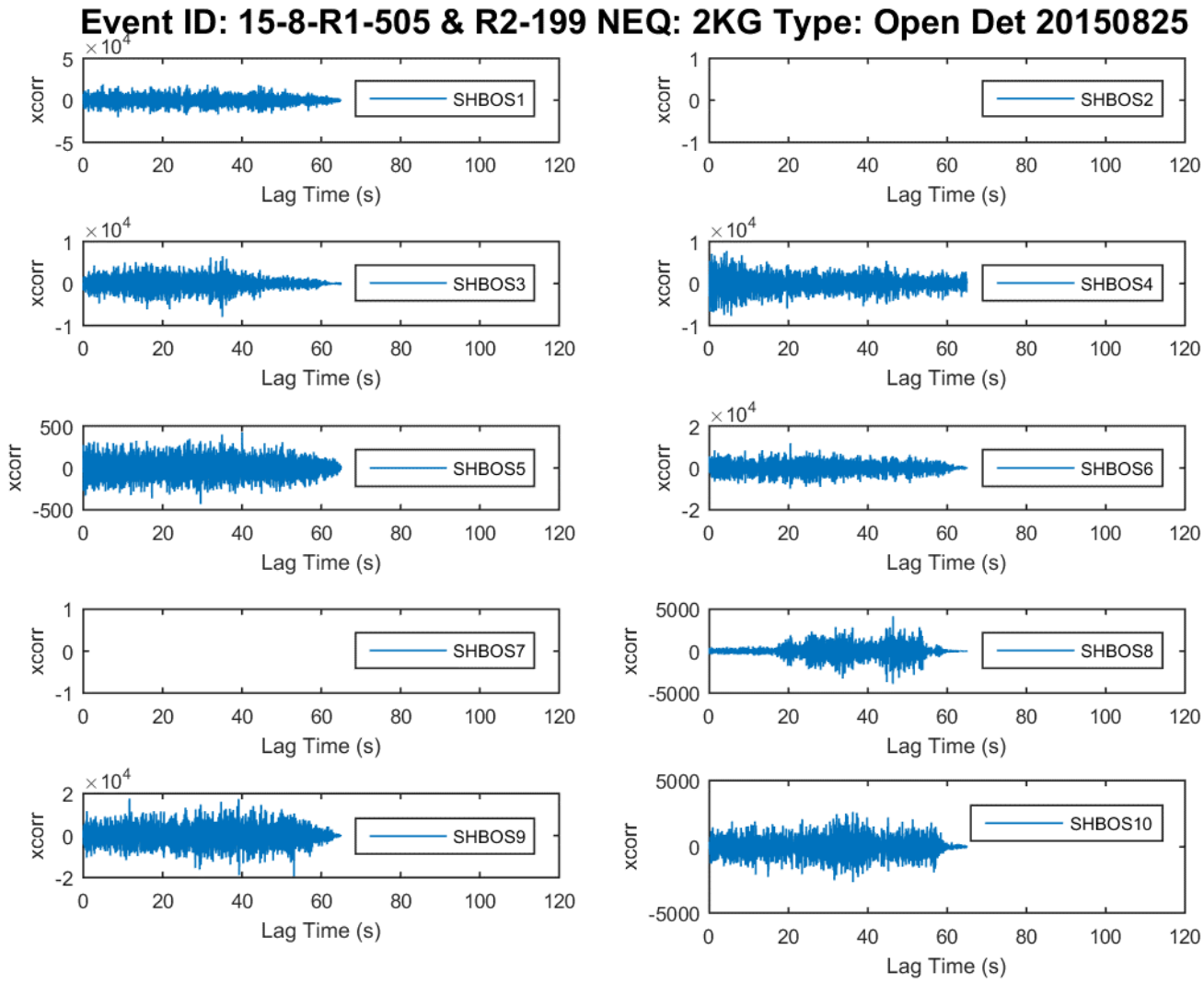


FIGURE 2.715: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-505 & R2-199

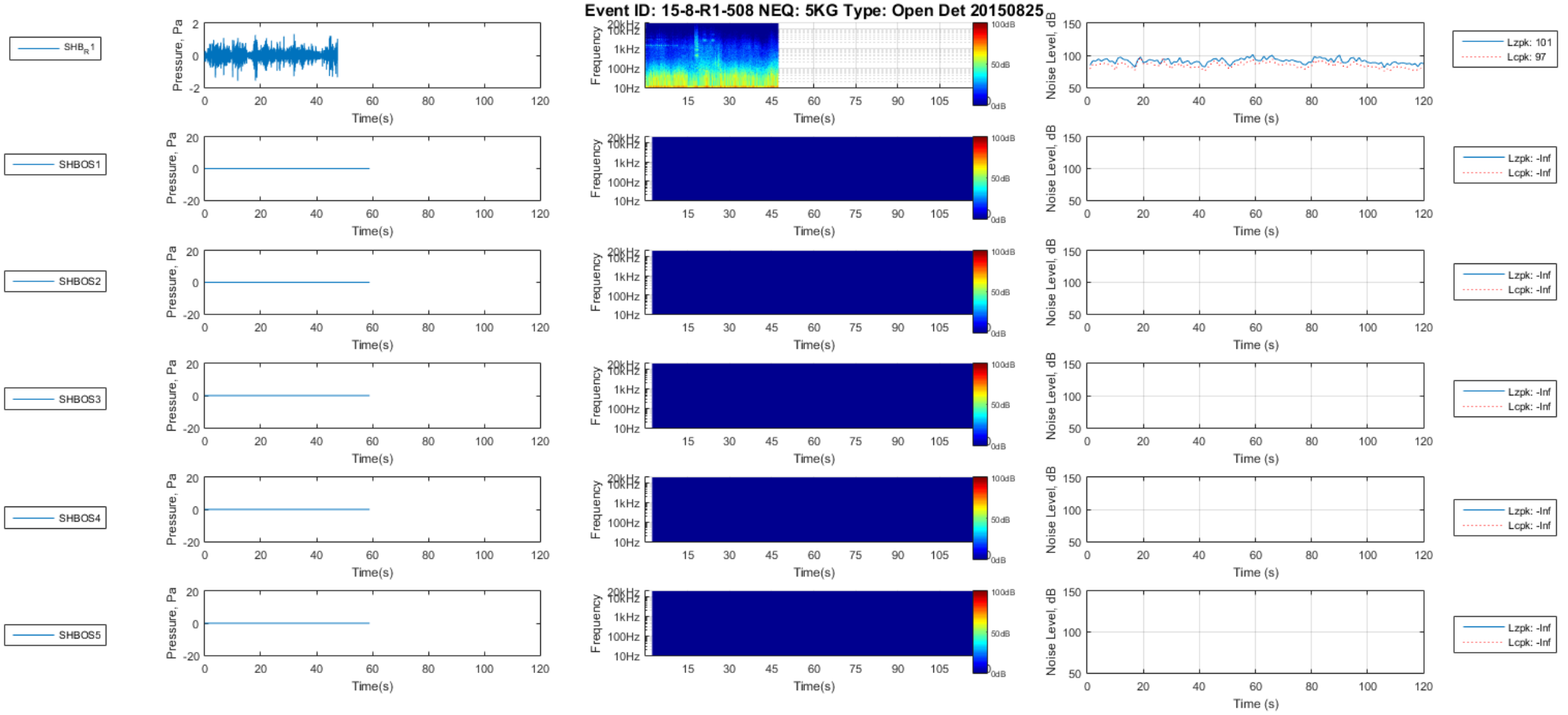


FIGURE 2.716: SHB_OS 1 - 5 15-8-R1-508

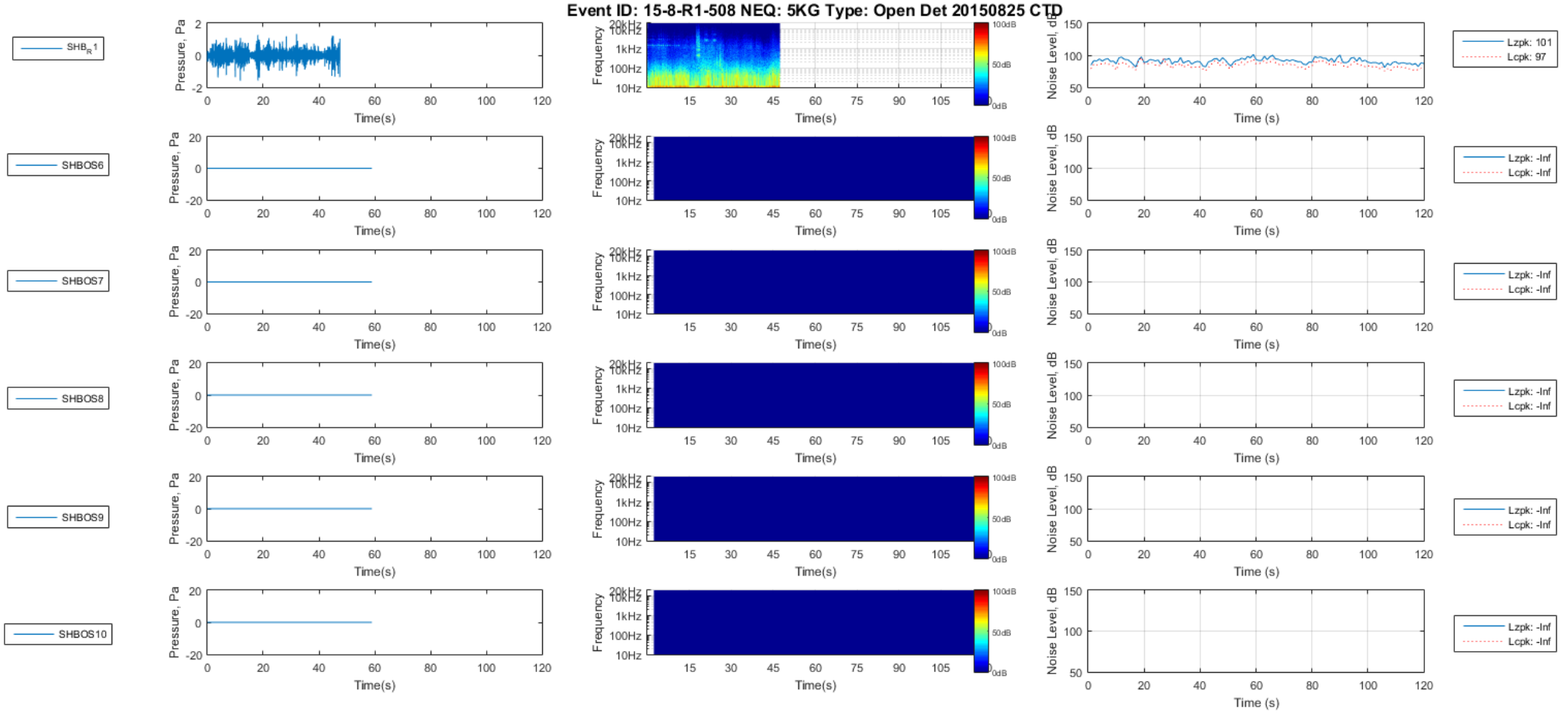


FIGURE 2.717: SHB_OS 6 - 10 15-8-R1-508

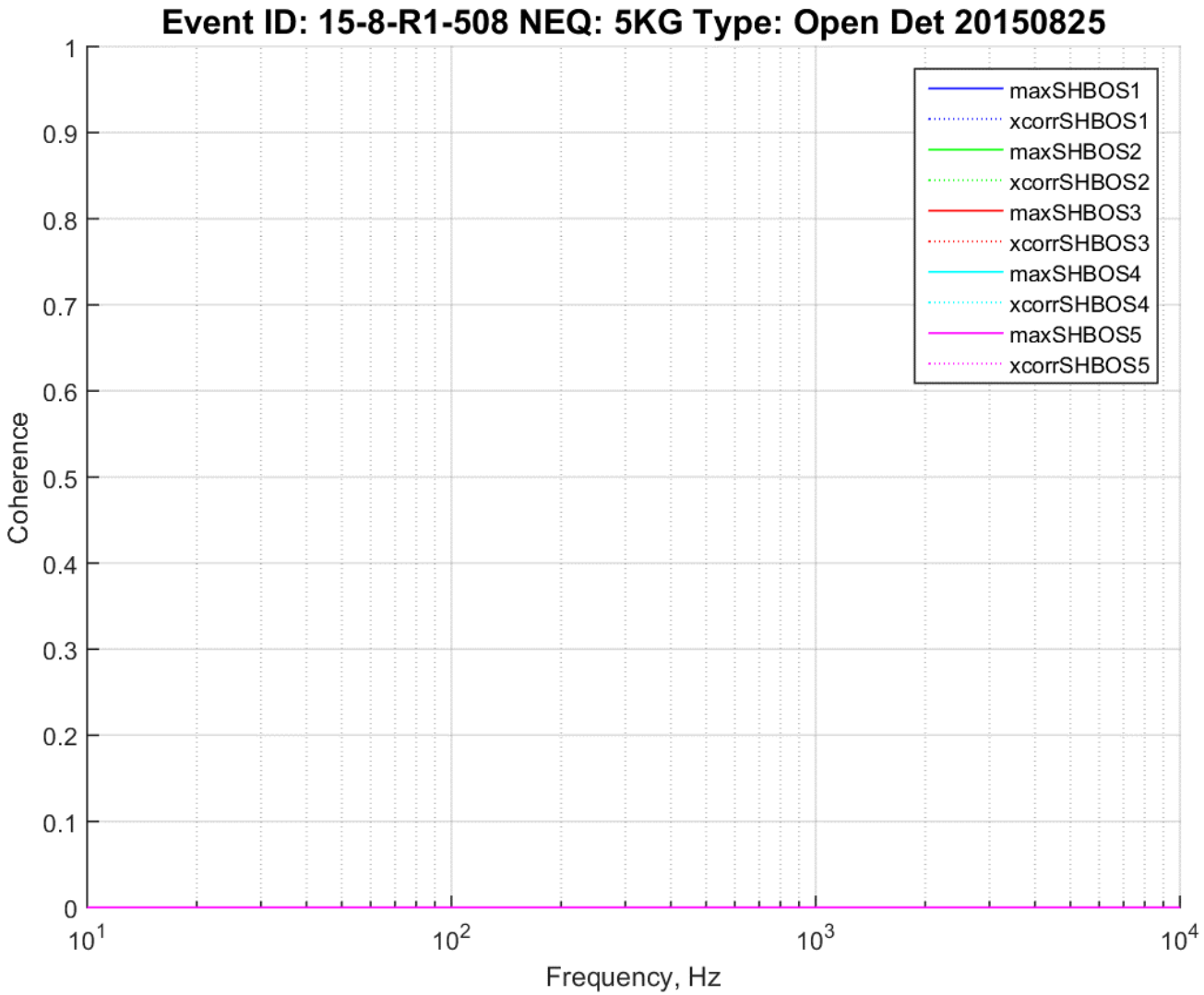


FIGURE 2.718: COHERENCE SHB_OS 1 - 5 15-8-R1-508

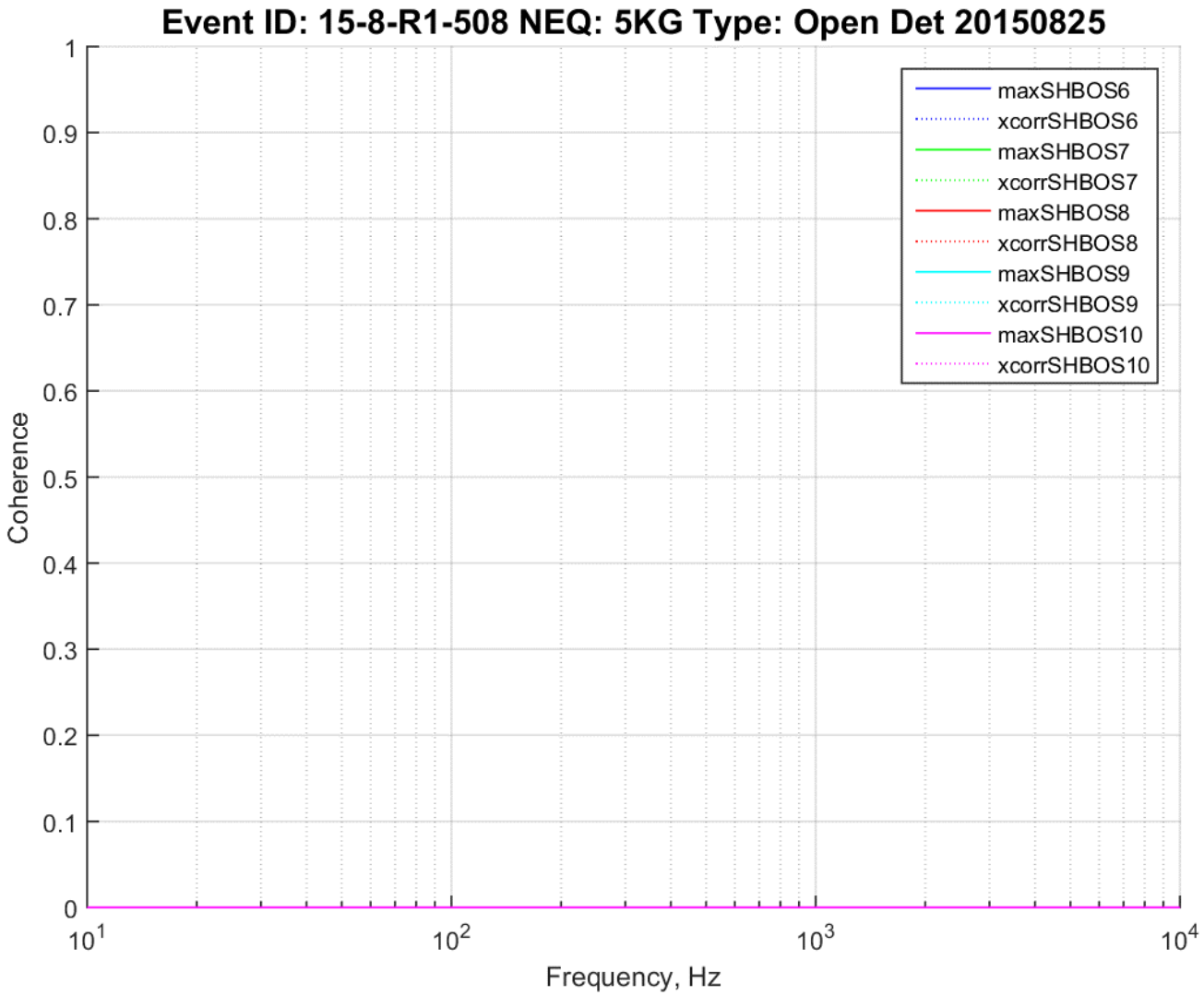


FIGURE 2.719: COHERENCE SHB_OS 6 - 10 15-8-R1-508CTD

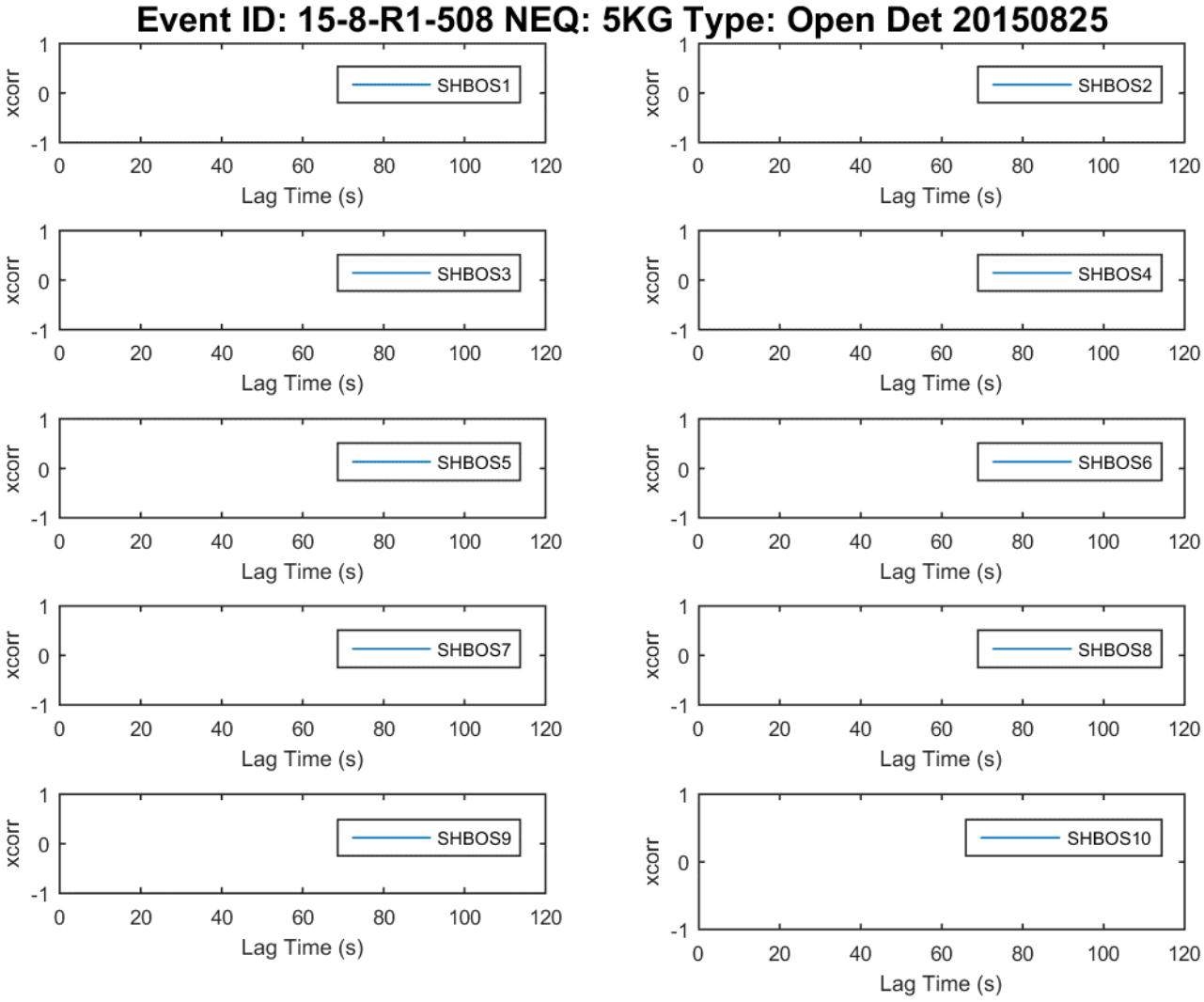


FIGURE 2.720: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-508

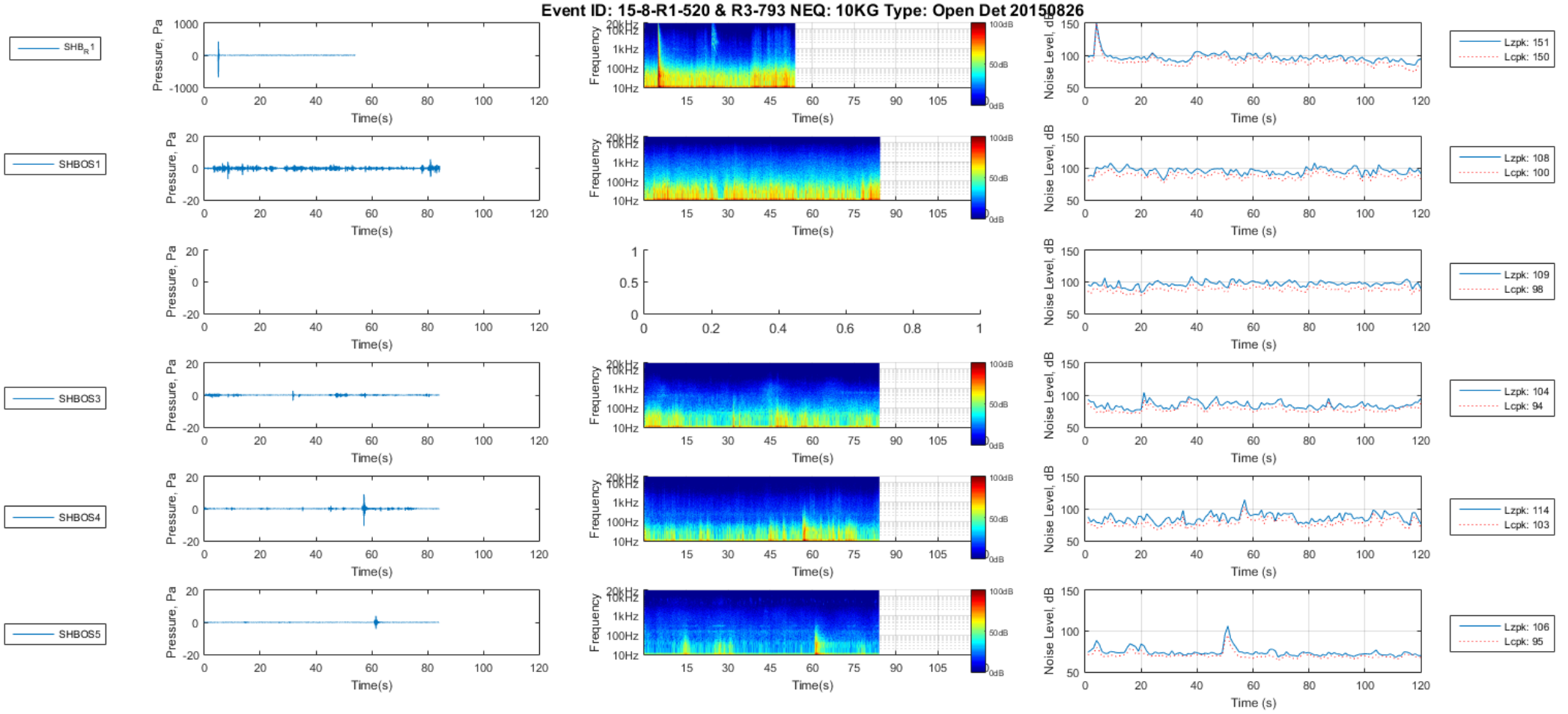


FIGURE 2.721: SHB_OS 1 - 5 15-8-R1-520 & R3-793

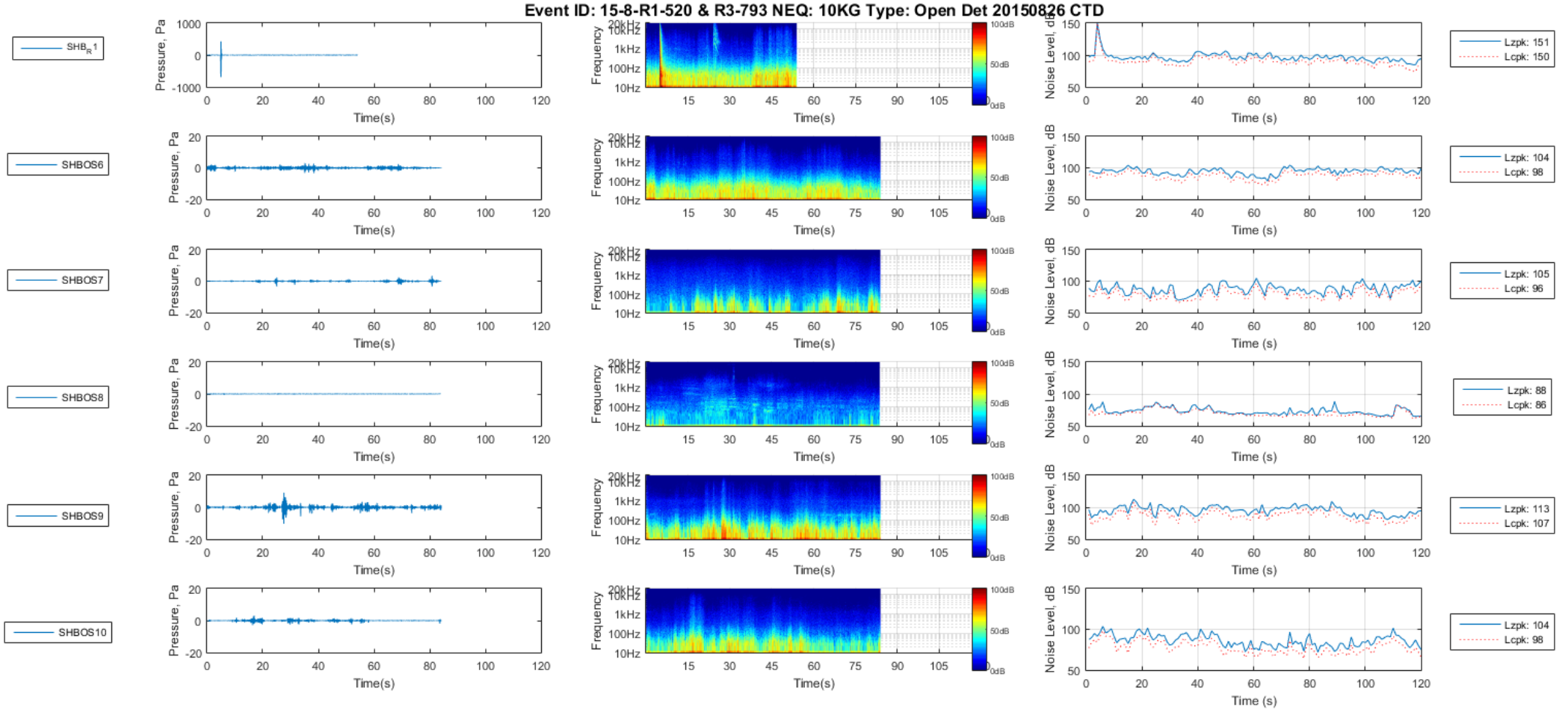


FIGURE 2.722: SHB_OS 6 - 10 15-8-R1-520 & R3-793

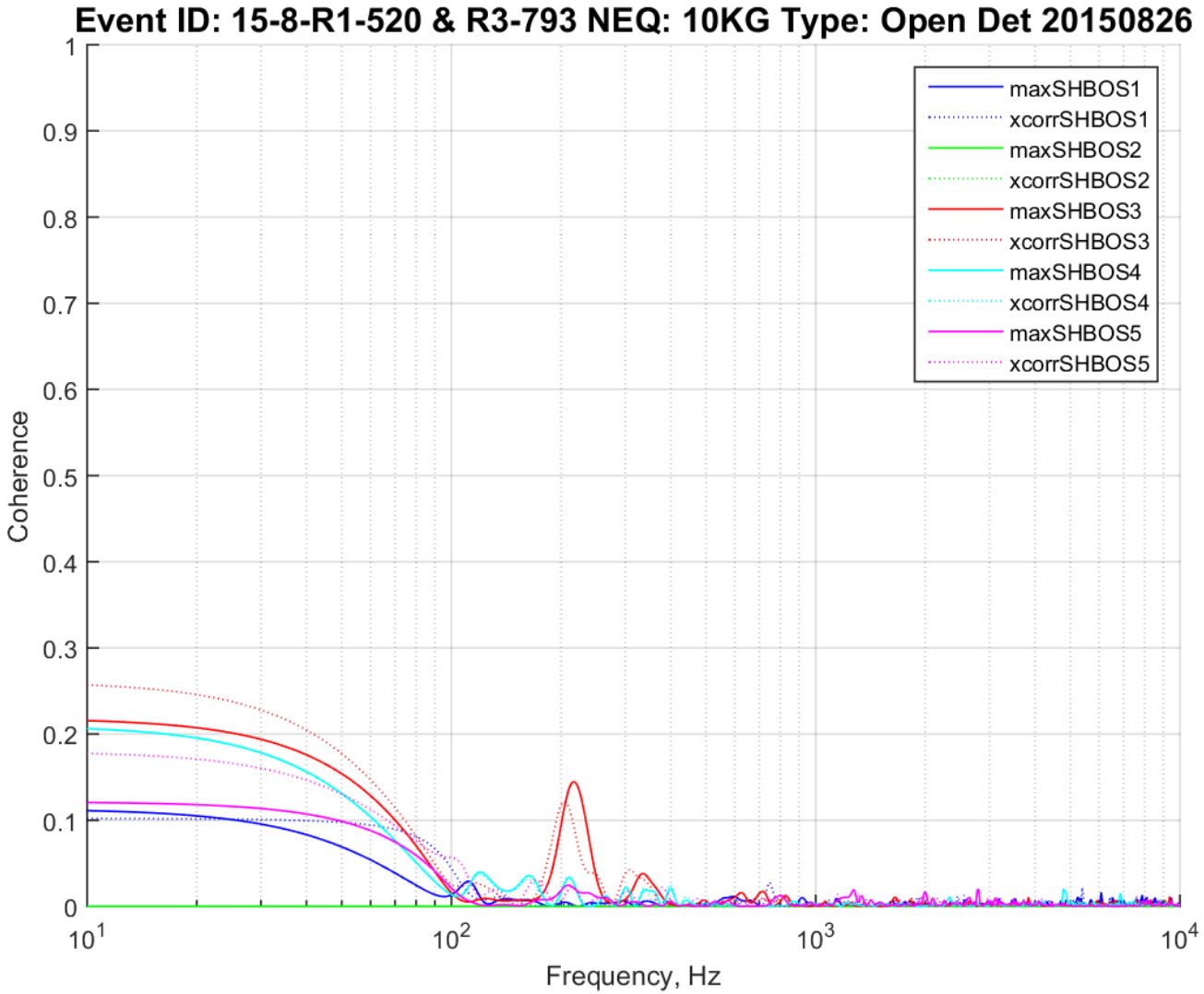


FIGURE 2.723: COHERENCE SHB_OS 1 - 5 15-8-R1-520 & R3-793

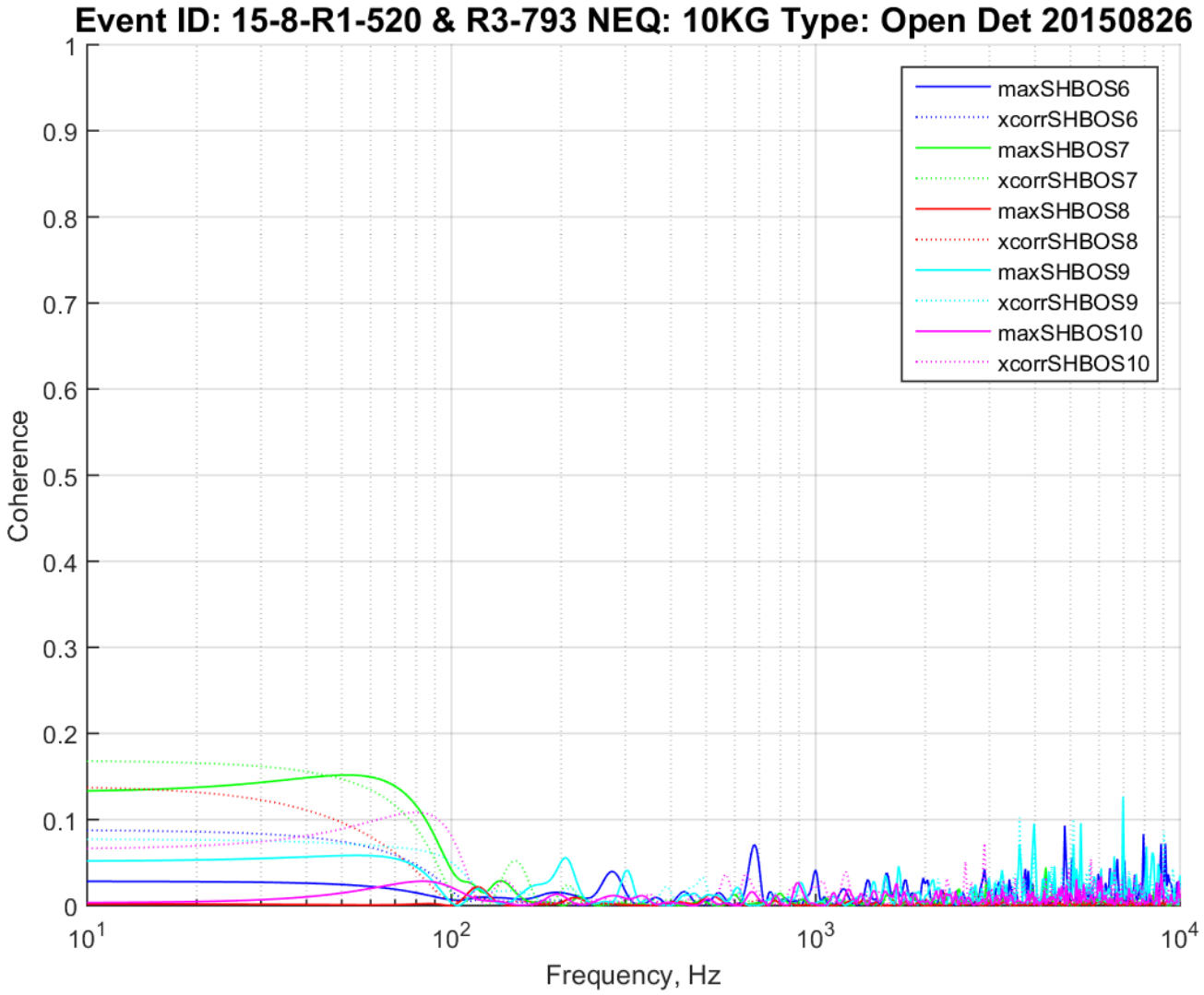


FIGURE 2.724: COHERENCE SHB_OS 6 - 10 15-8-R1-520 & R3-793CTD

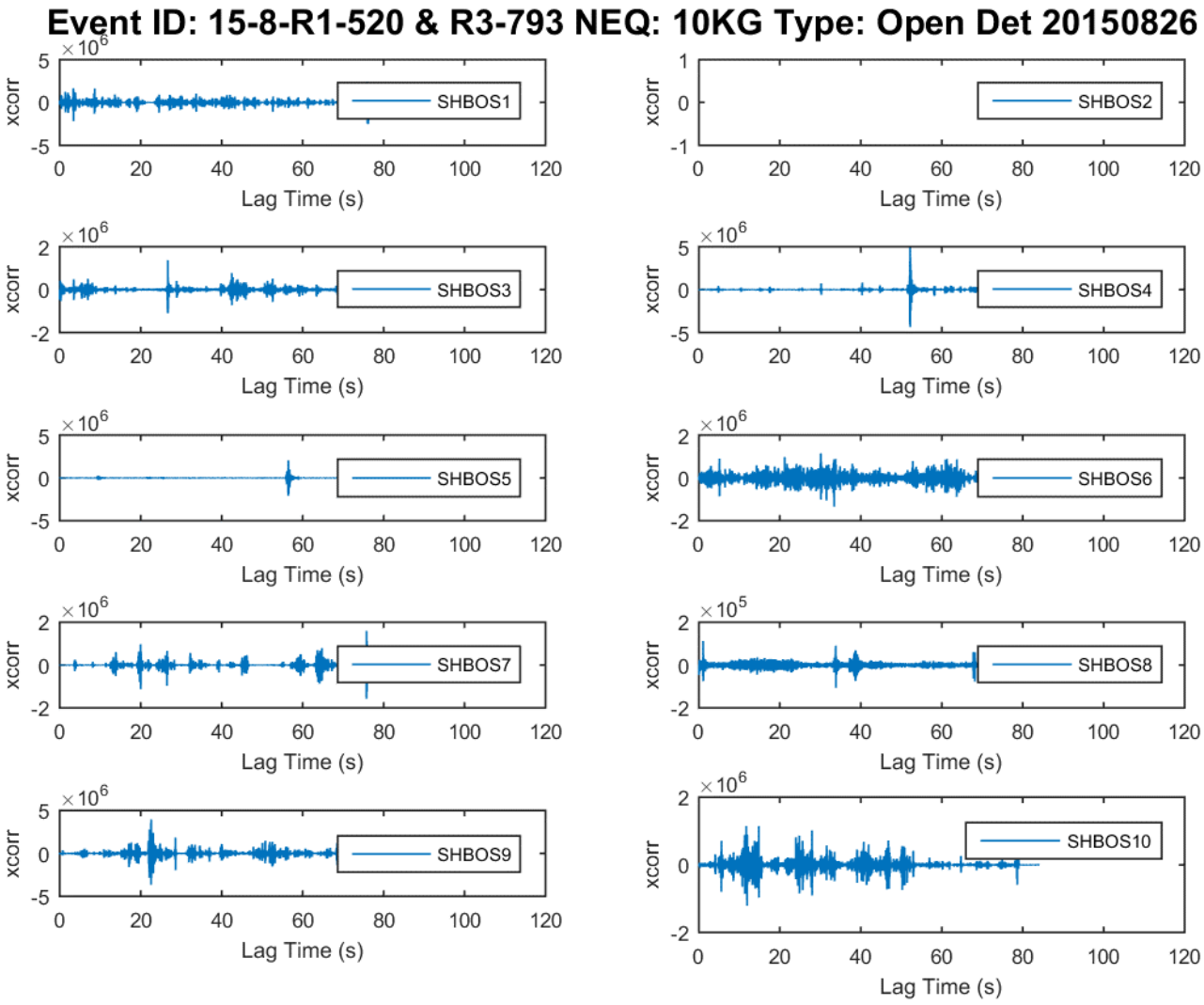


FIGURE 2.725: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-520 & R3-793

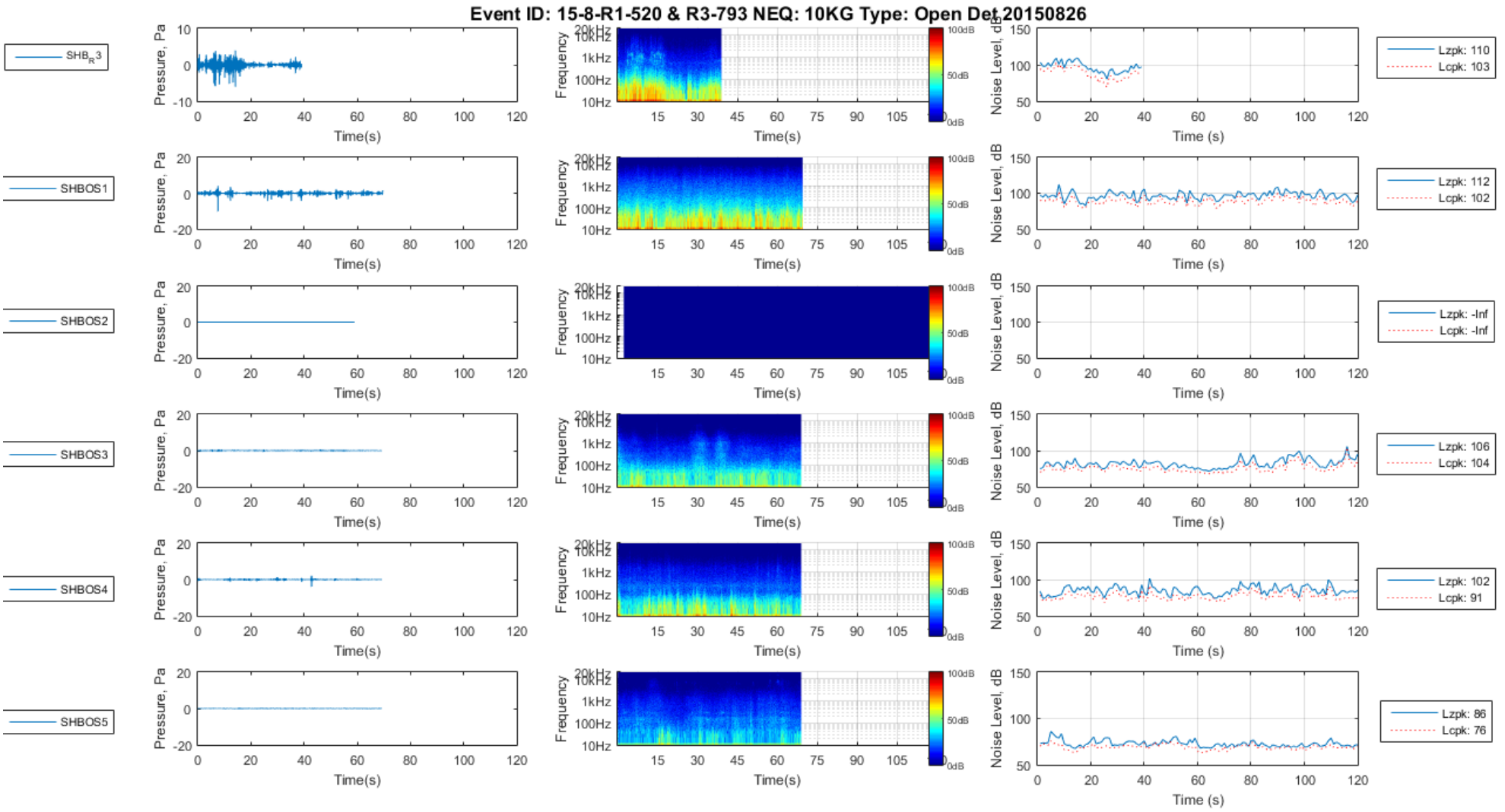


FIGURE 2.726: SHB_OS 1 - 5 15-8-R1-520 & R3-793

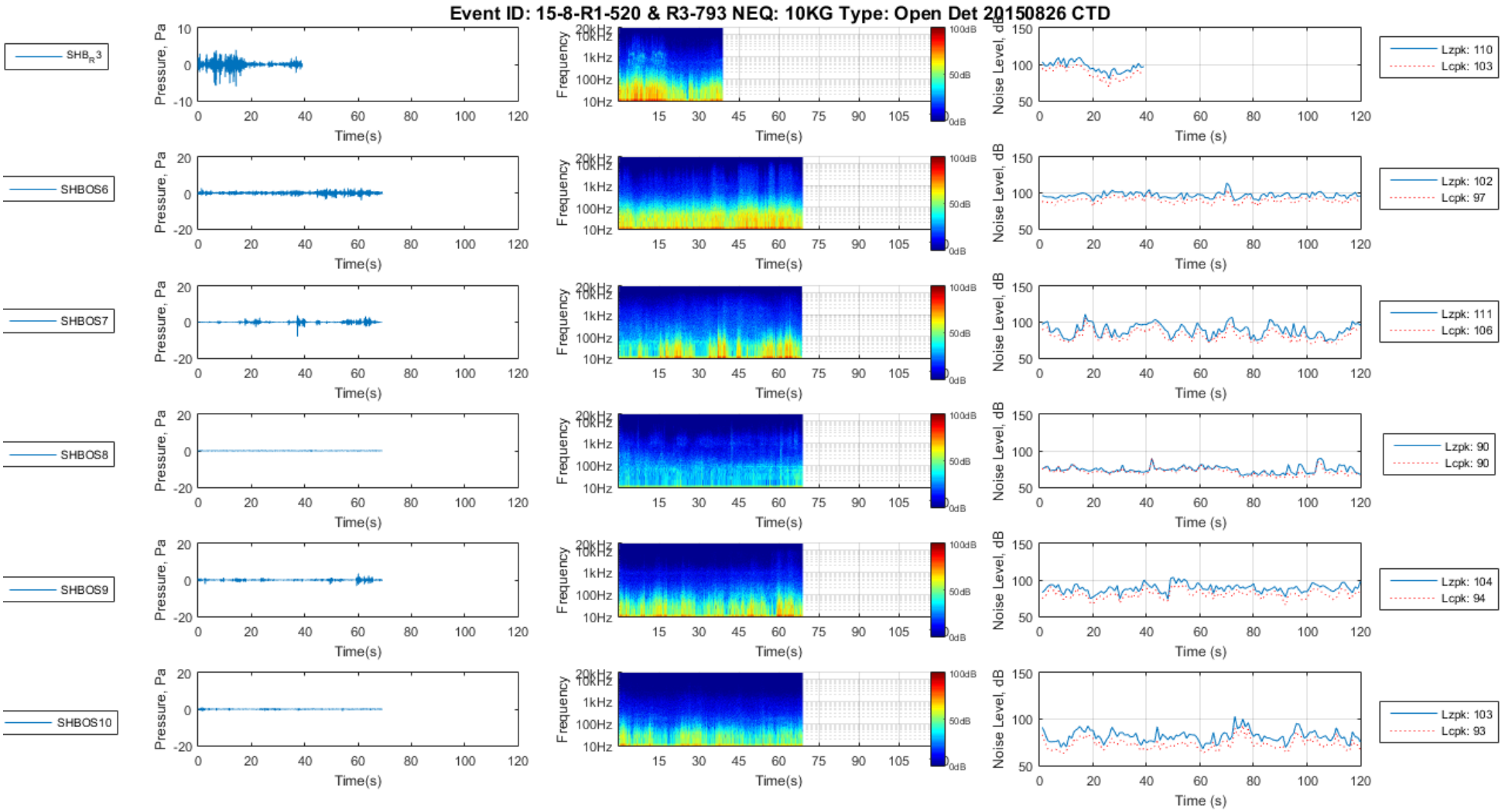


FIGURE 2.727: SHB_OS 6 - 10 15-8-R1-520 & R3-793

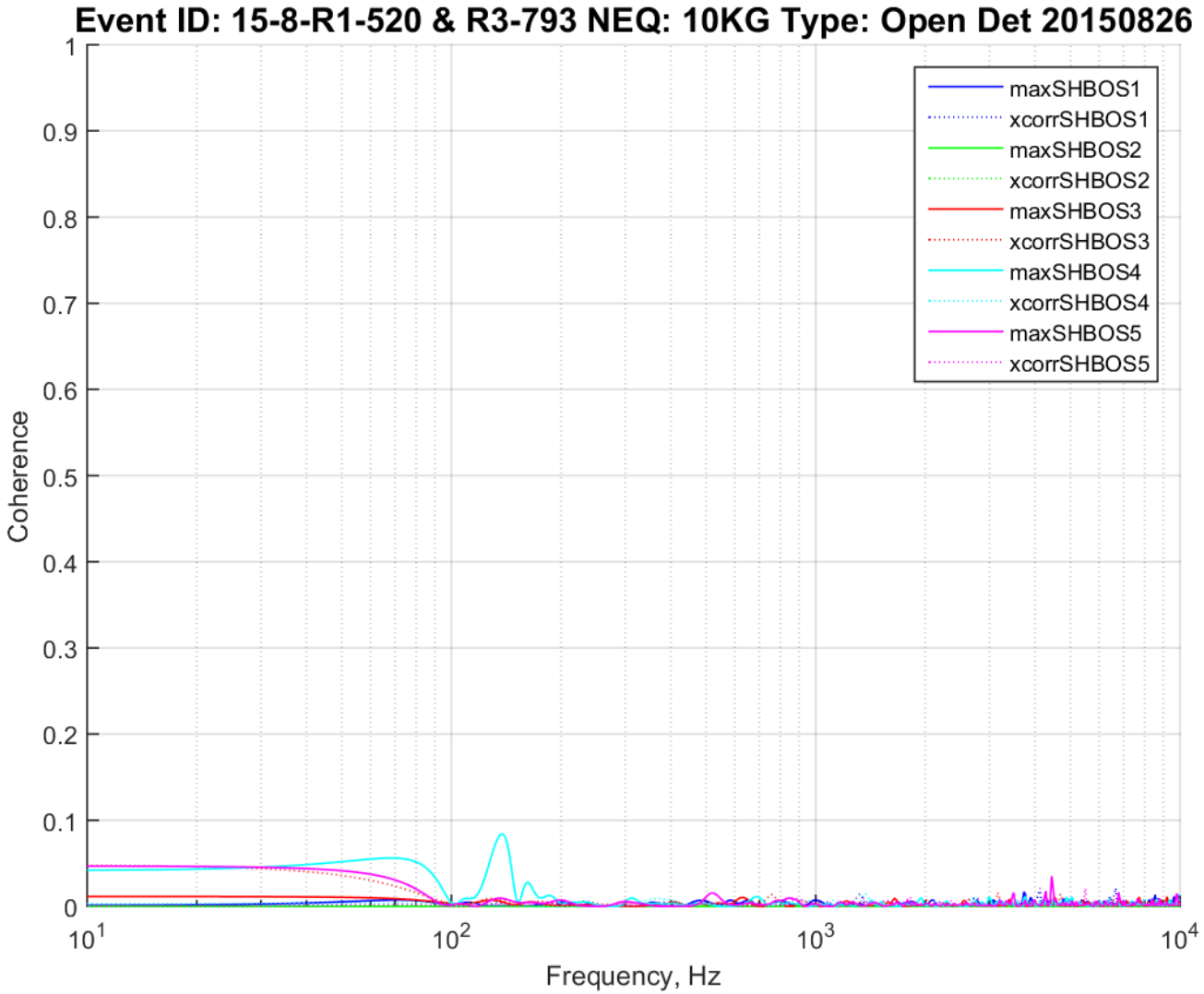


FIGURE 2.728: COHERENCE SHB_OS 1 - 5 15-8-R1-520 & R3-793

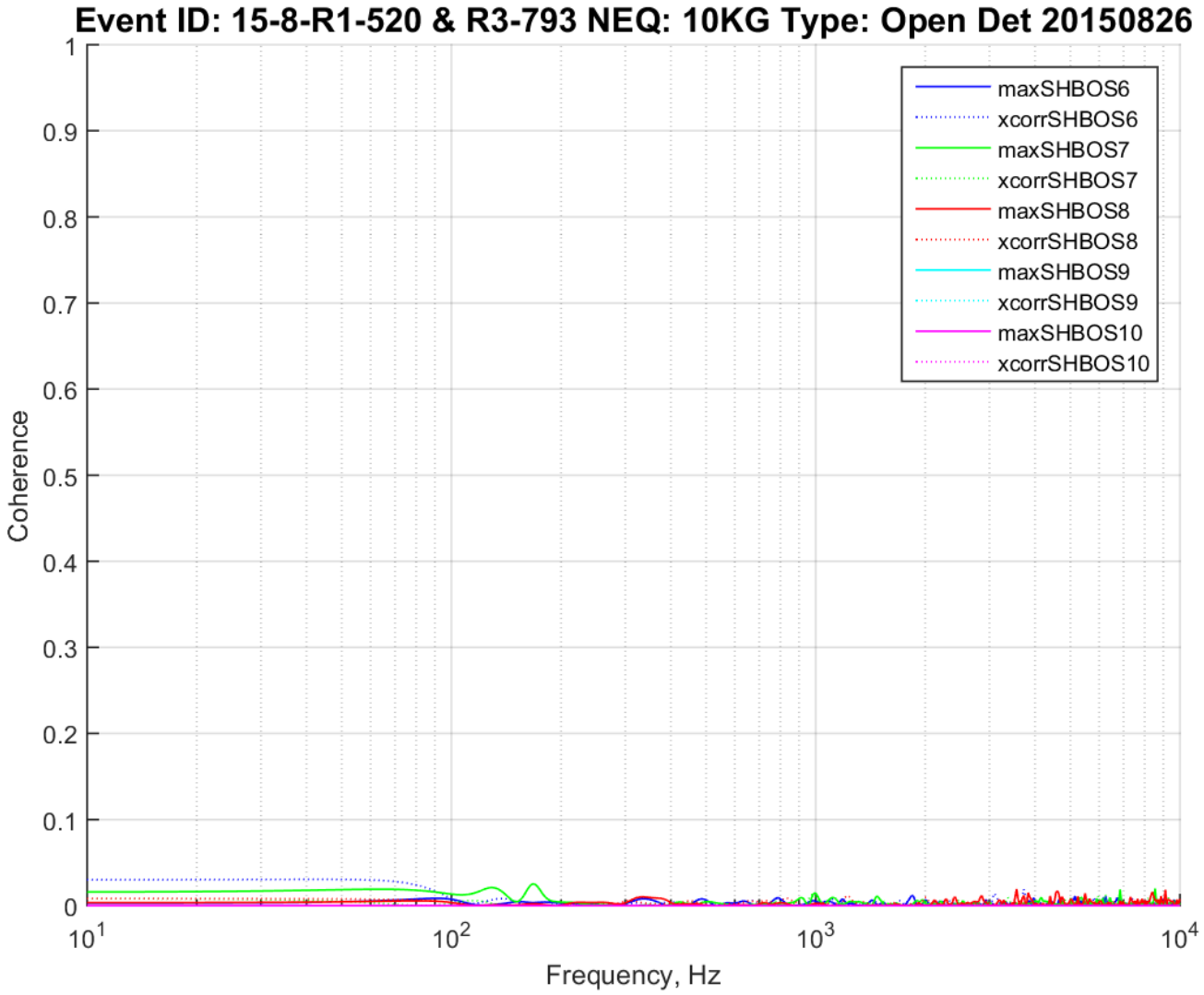


FIGURE 2.729: COHERENCE SHB_OS 6 - 10 15-8-R1-520 & R3-793CTD

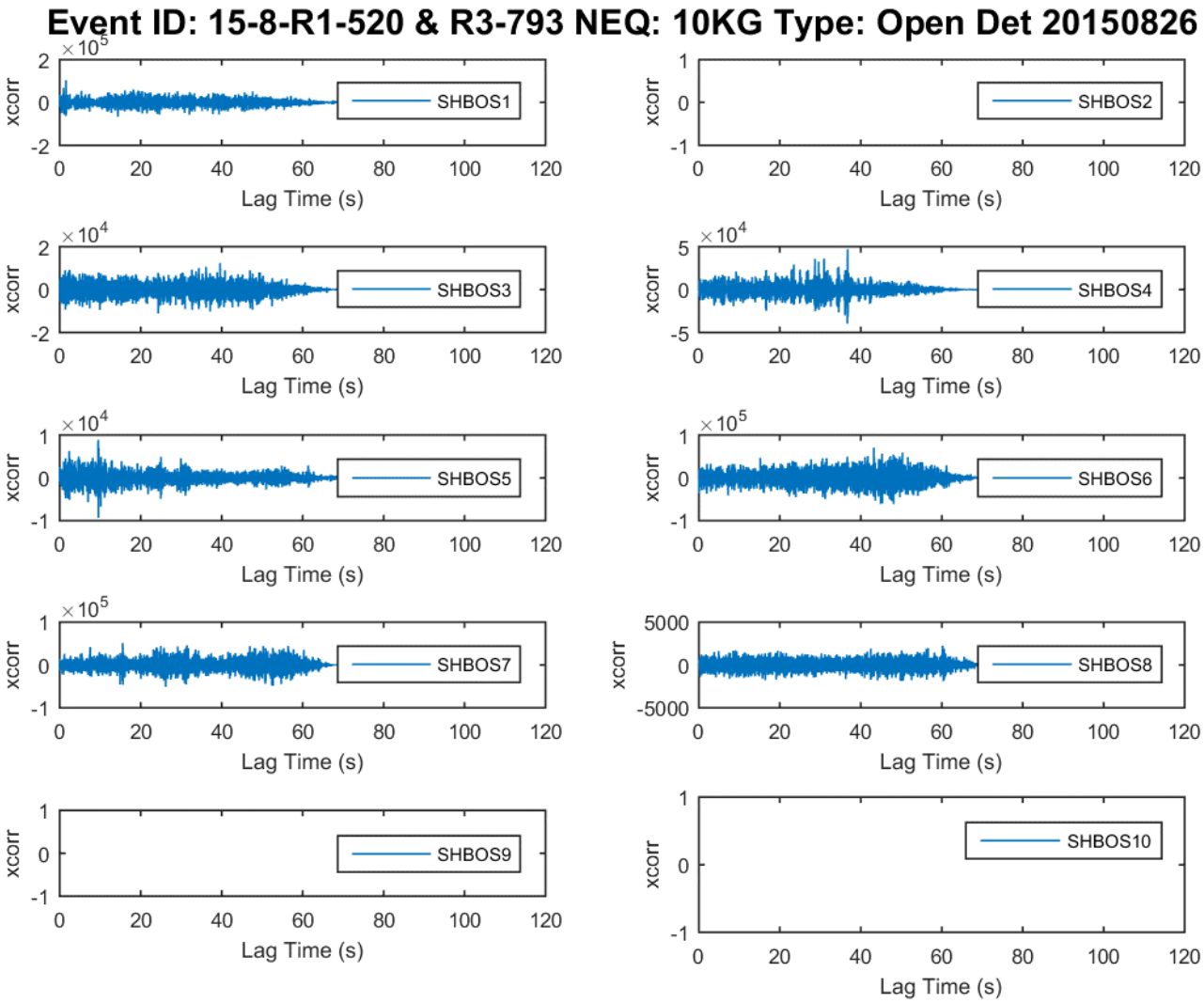


FIGURE 2.730: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-520 & R3-793

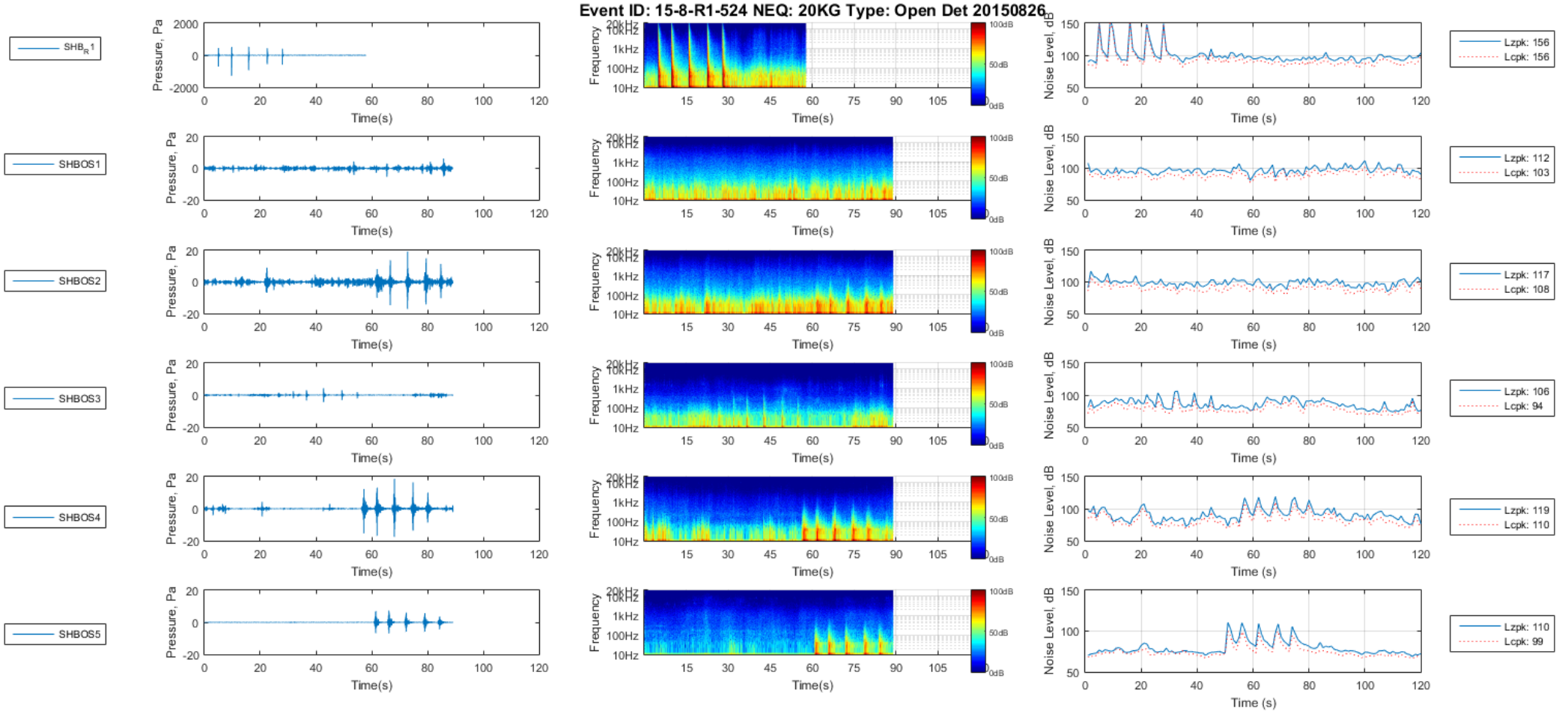


FIGURE 2.731: SHB_OS 1 - 5 15-8-R1-524

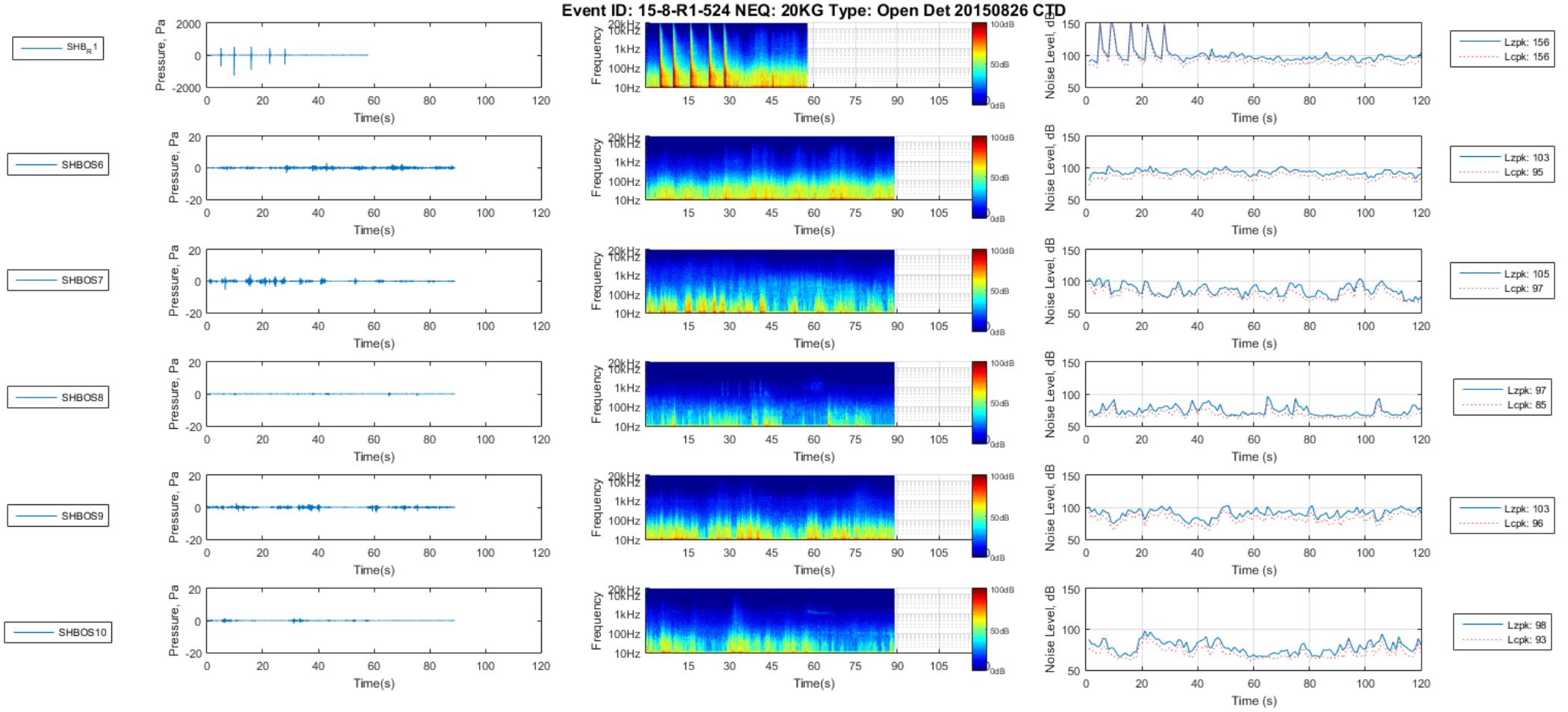


FIGURE 2.732: SHB_OS 6 - 10 15-8-R1-524

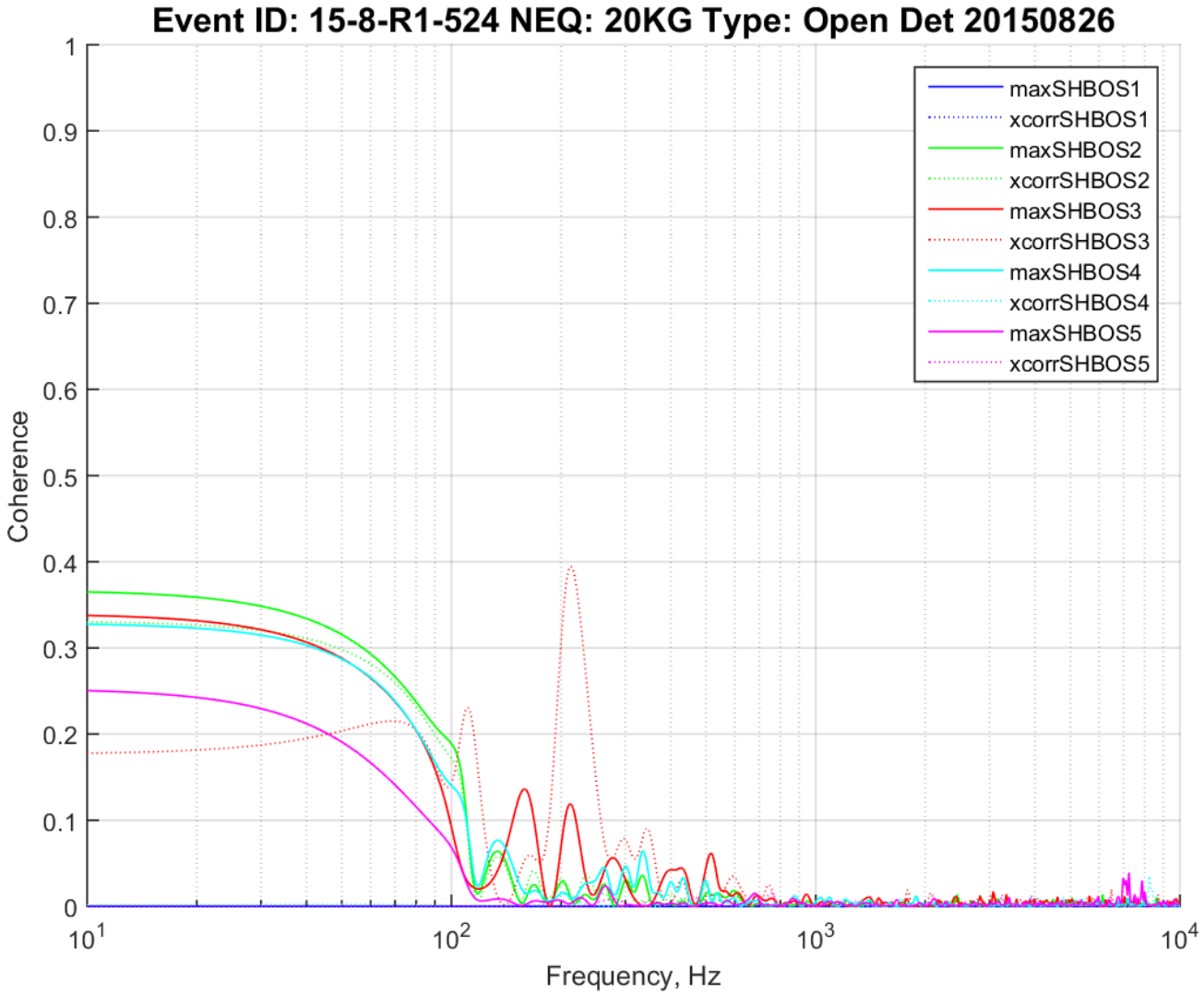


FIGURE 2.733: COHERENCE SHB_OS 1 - 5 15-8-R1-524

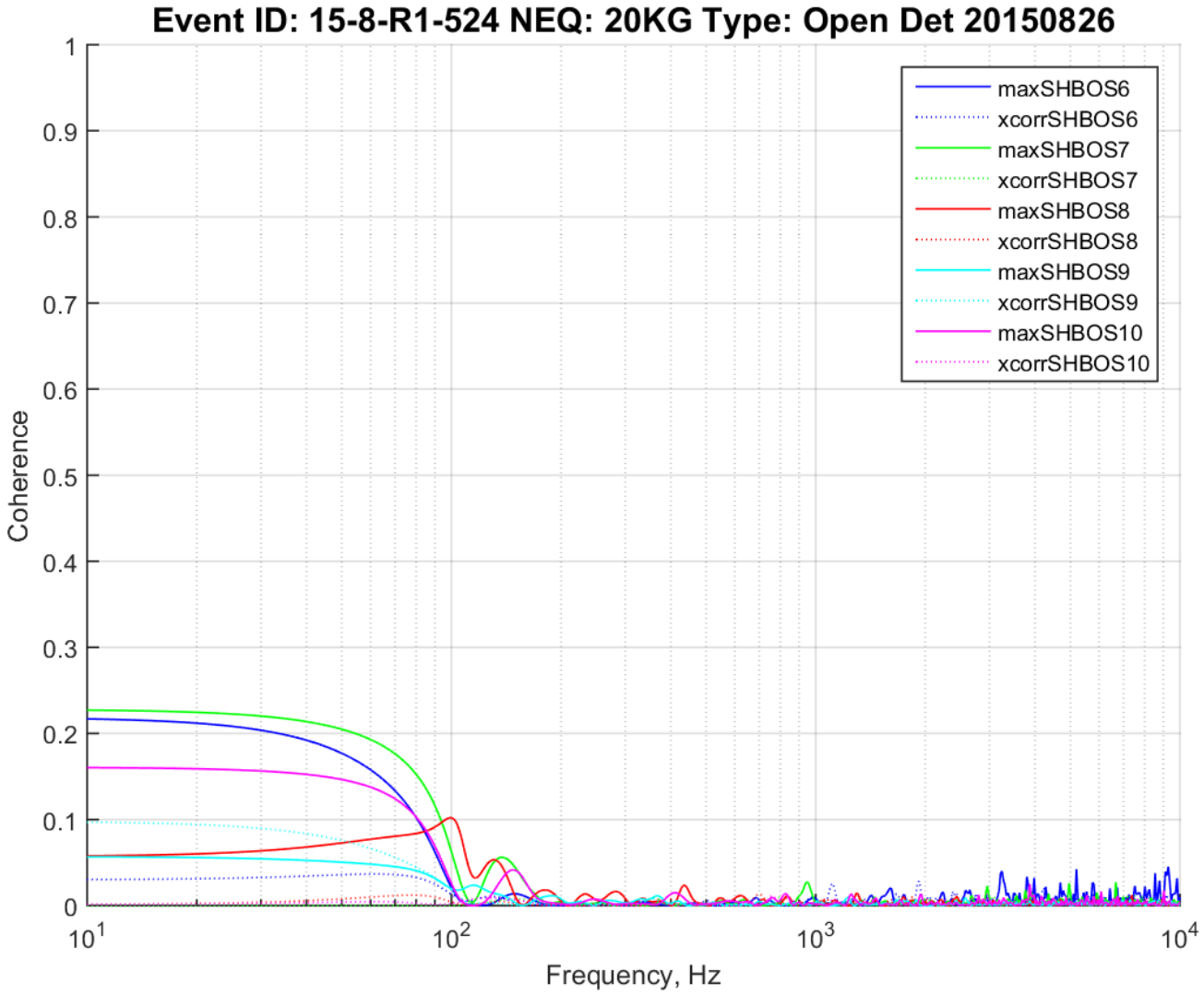


FIGURE 2.734: COHERENCE SHB_OS 6 - 10 15-8-R1-524CTD

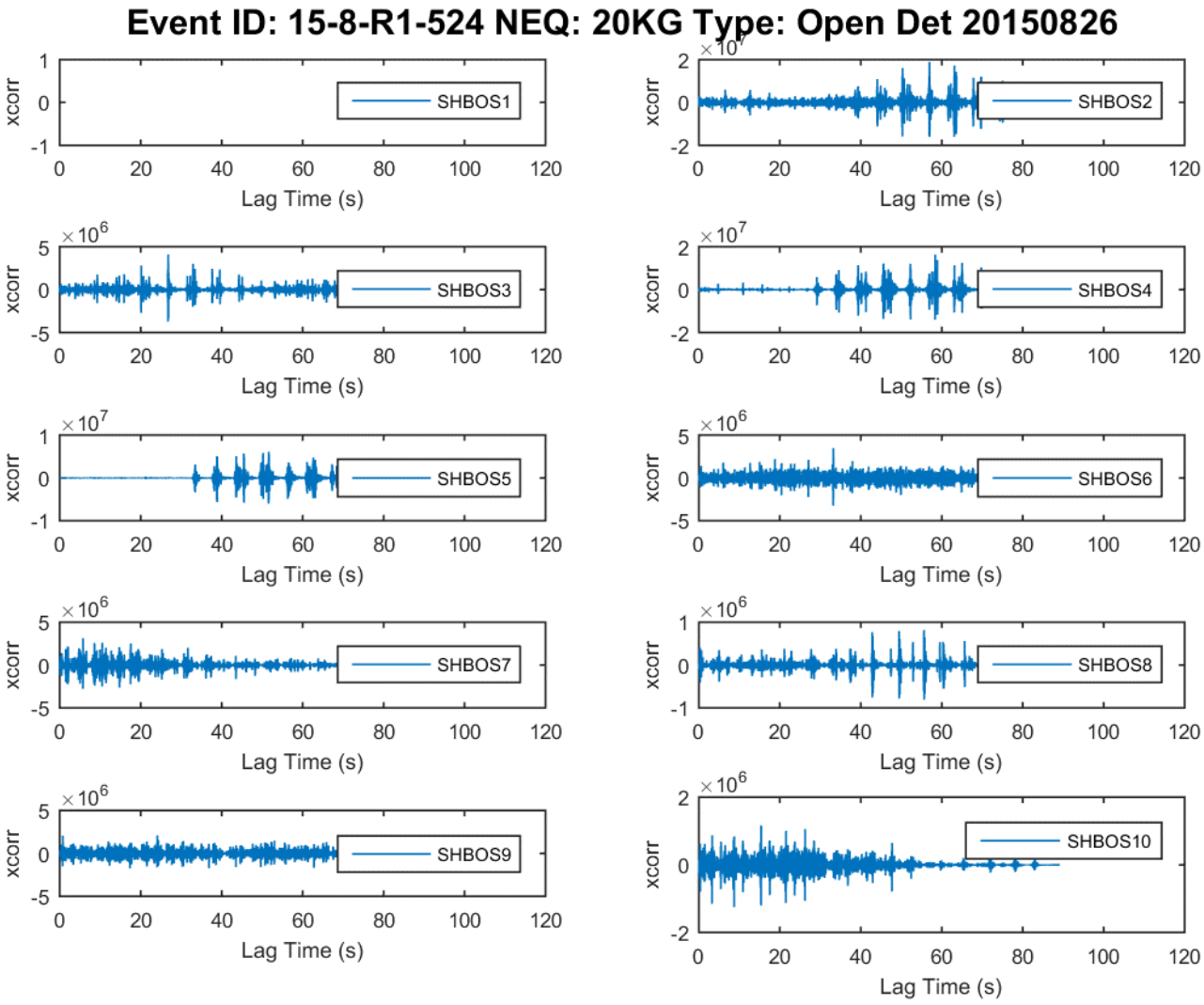


FIGURE 2.735: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-524

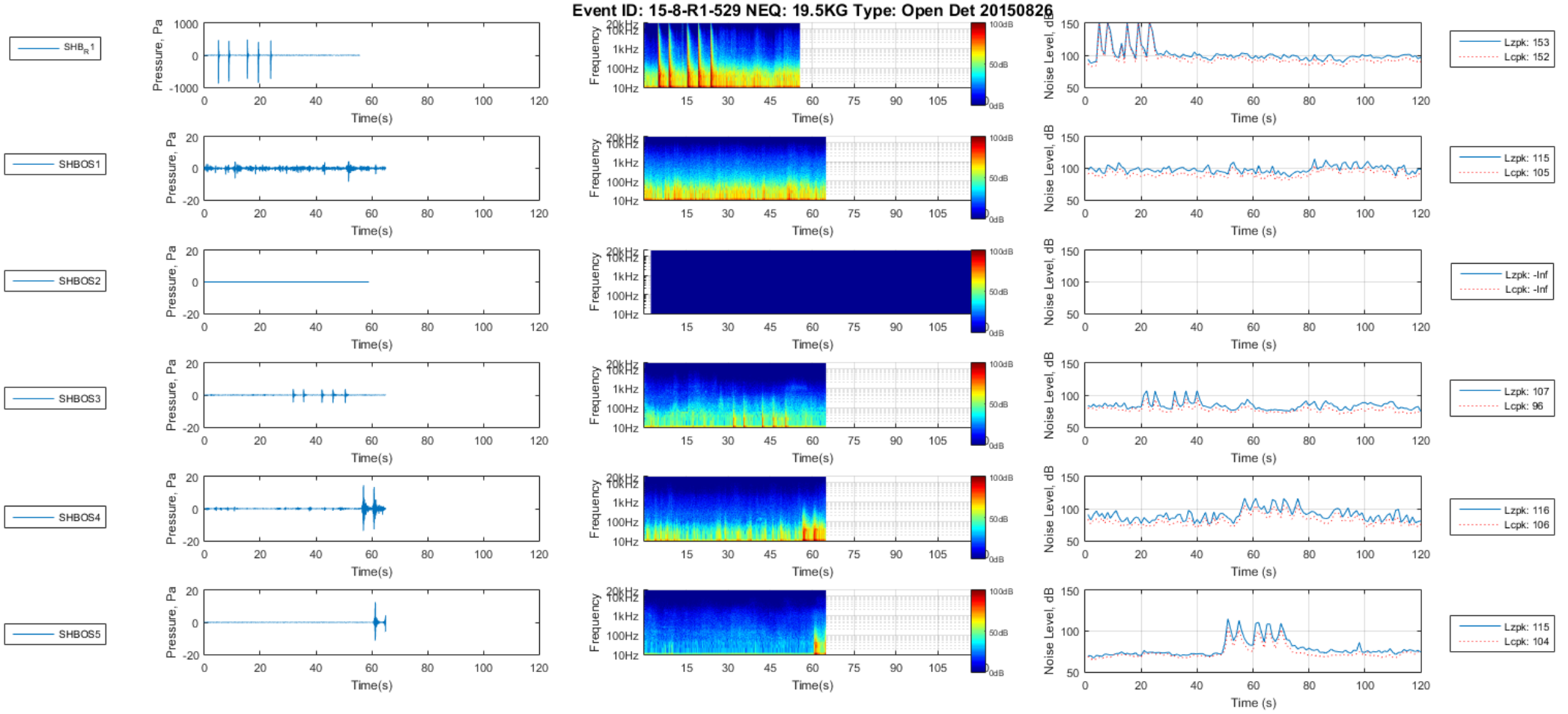


FIGURE 2.736: SHB_OS 1 - 5 15-8-R1-529

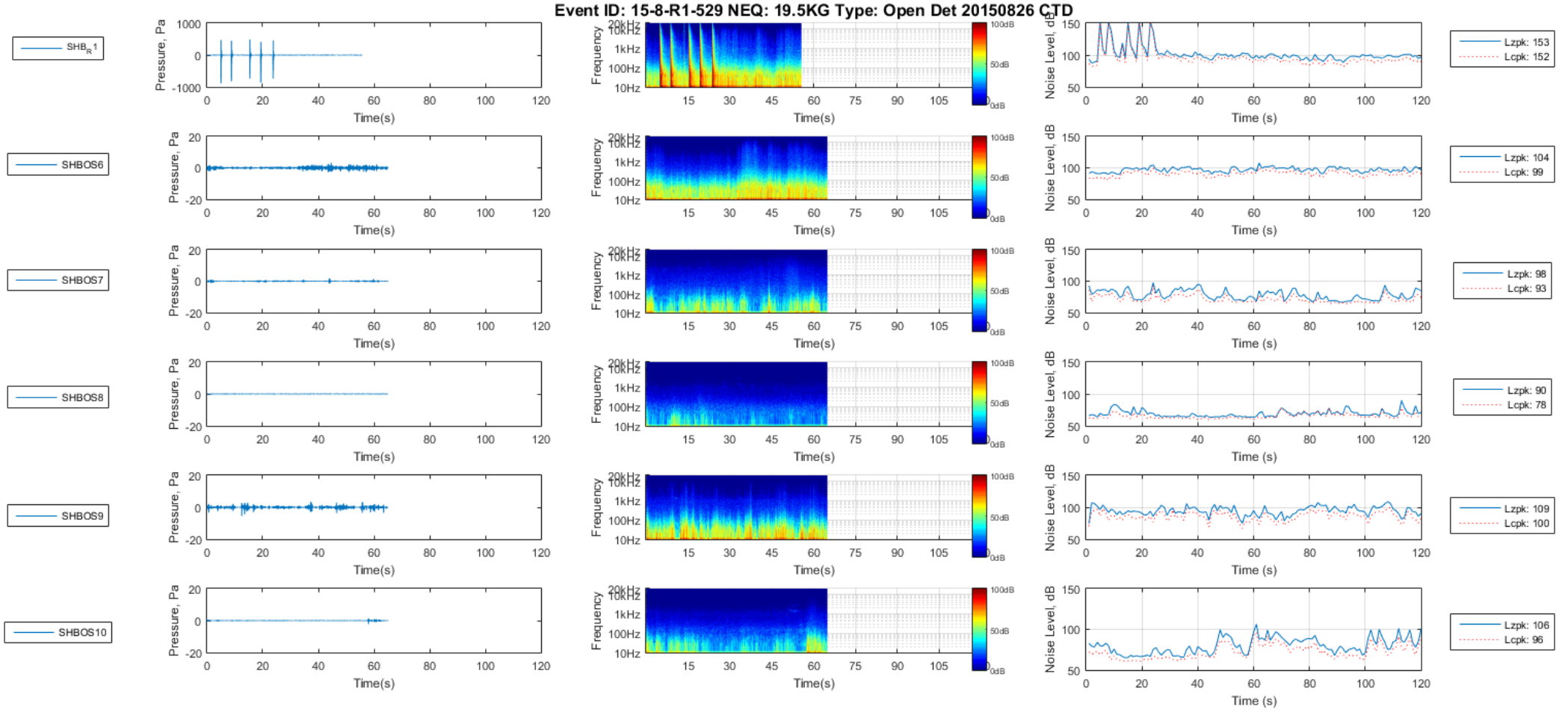


FIGURE 2.737: SHB_OS 6 - 10 15-8-R1-529

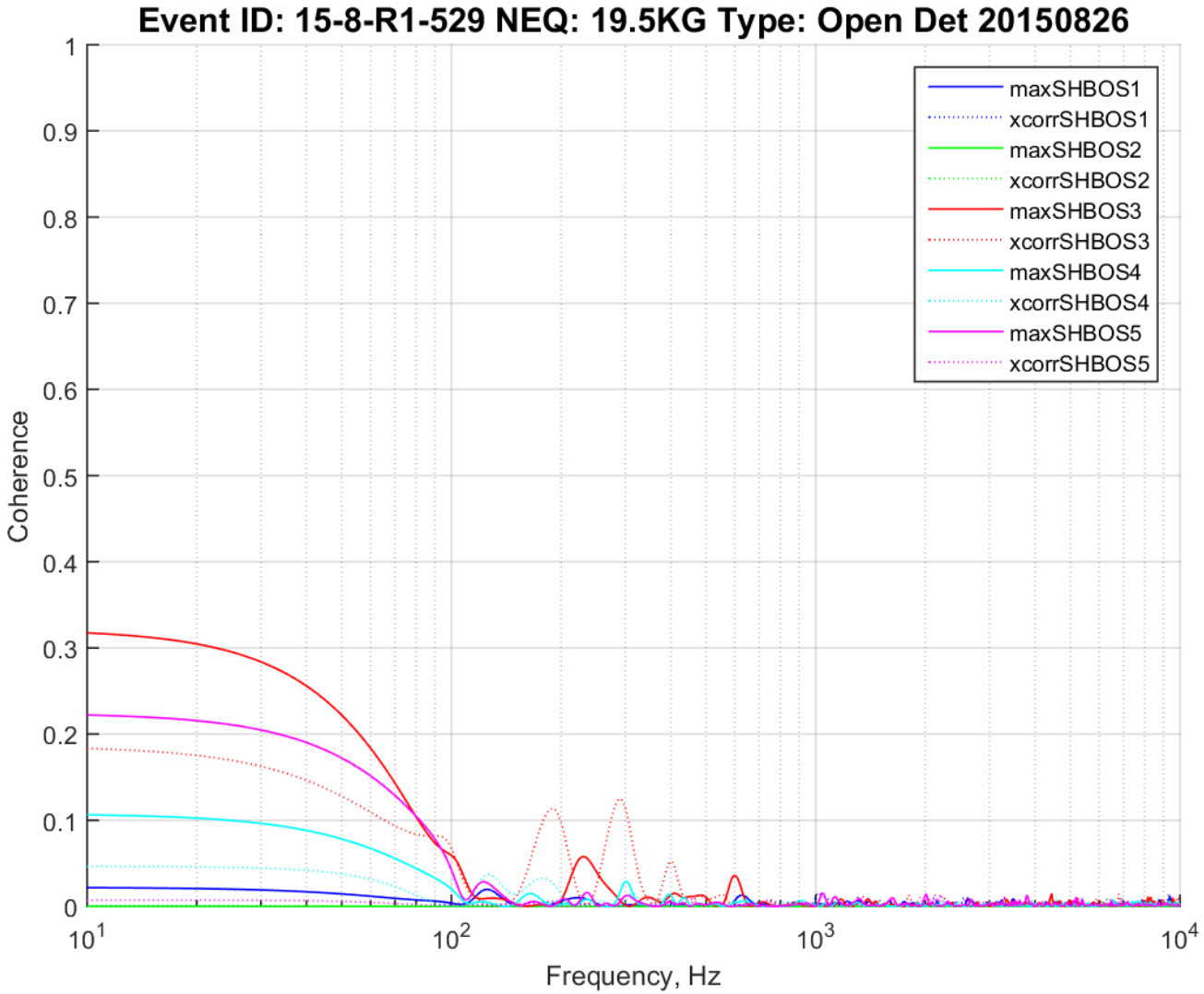


FIGURE 2.738: COHERENCE SHB_OS 1 - 5 15-8-R1-529

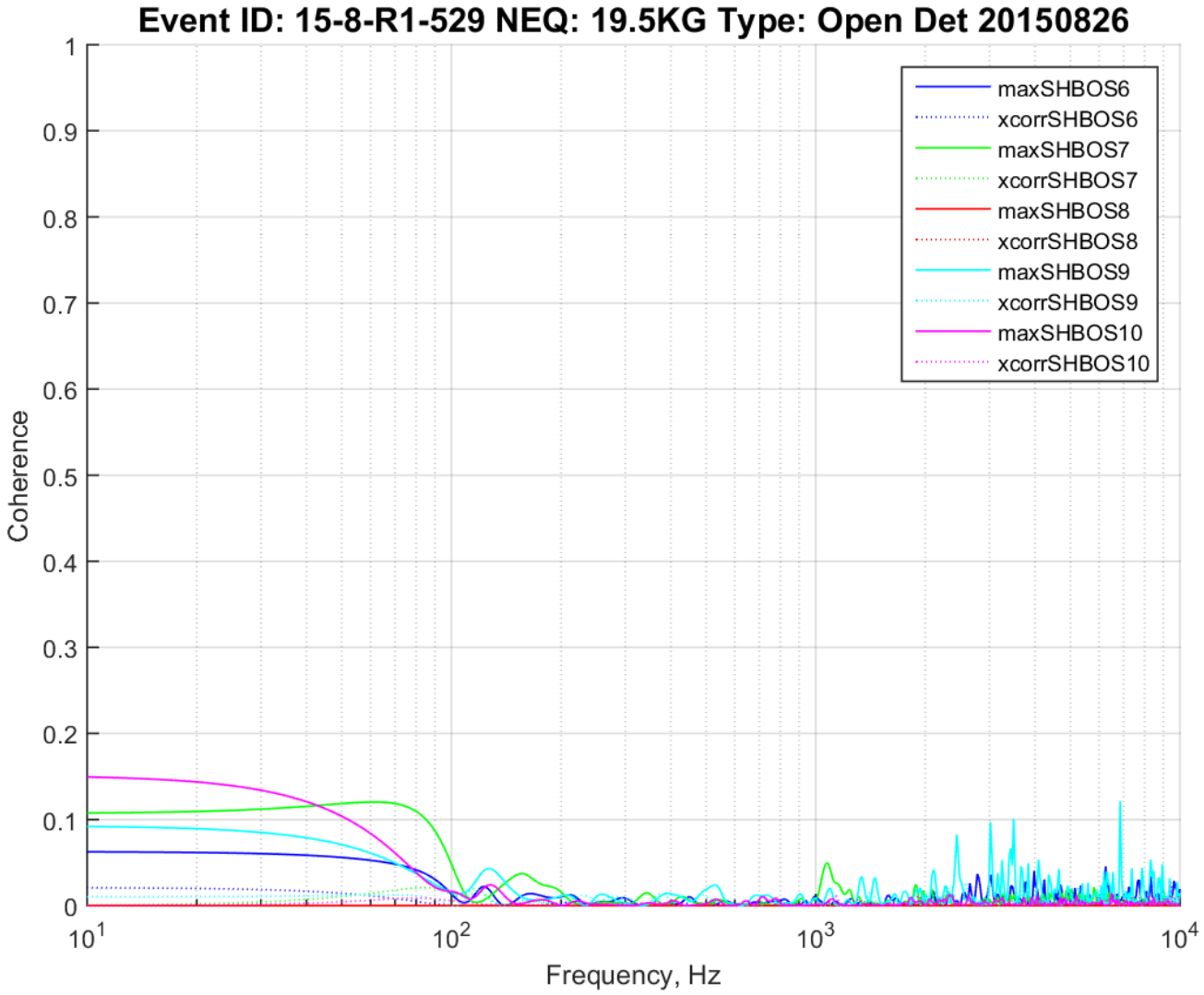


FIGURE 2.739: COHERENCE SHB_OS 6 - 10 15-8-R1-529CTD

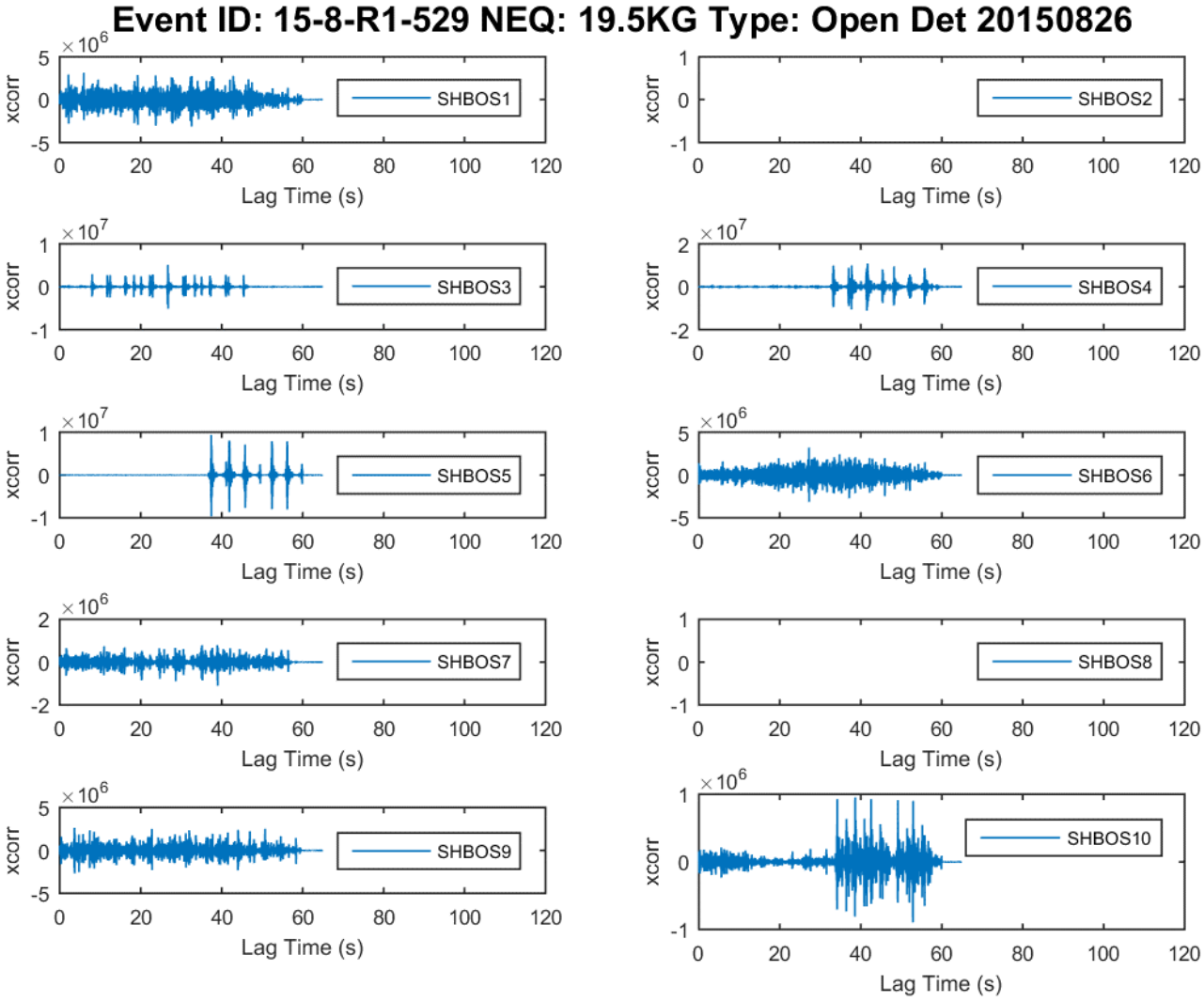


FIGURE 2.740: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-529

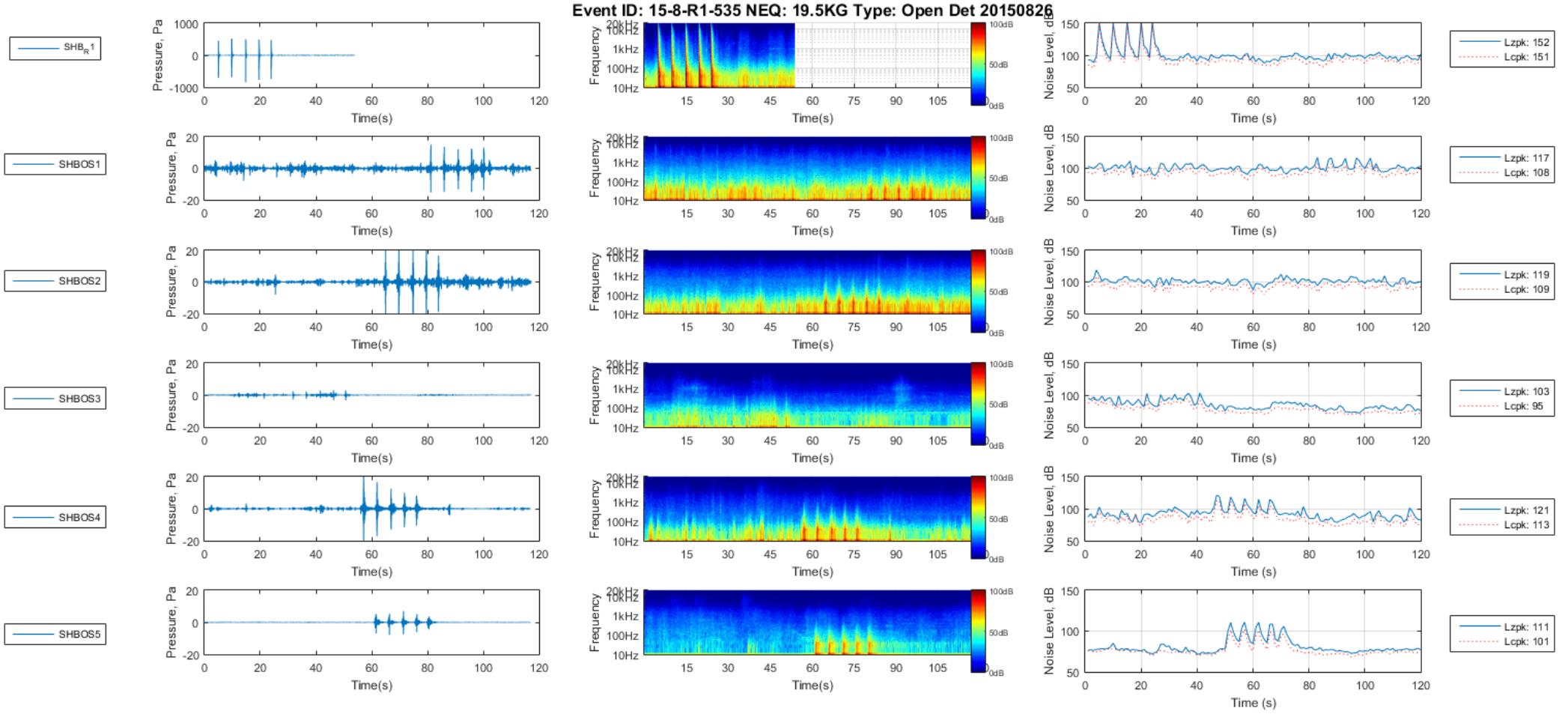


FIGURE 2.741: SHB_OS 1 - 5 15-8-R1-535

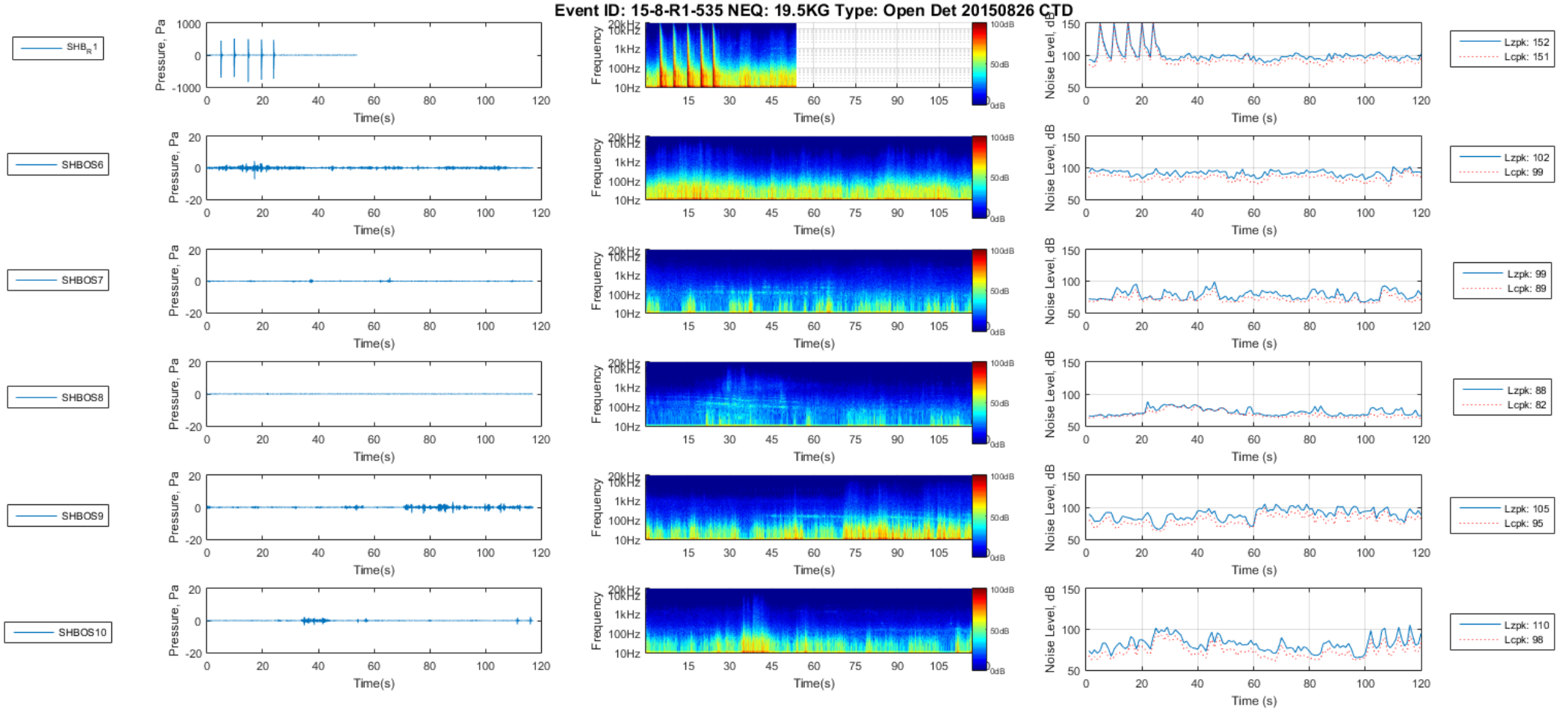


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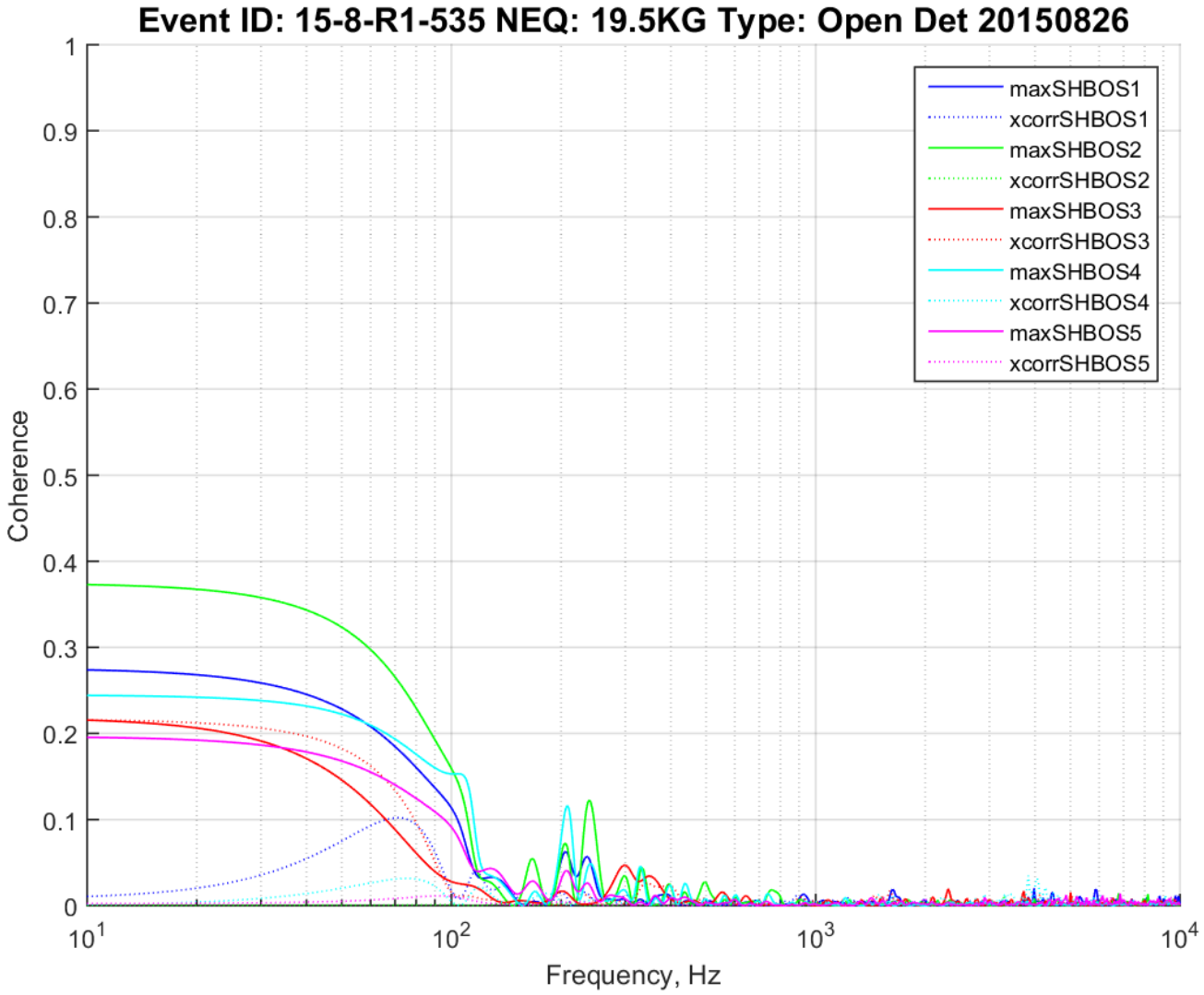


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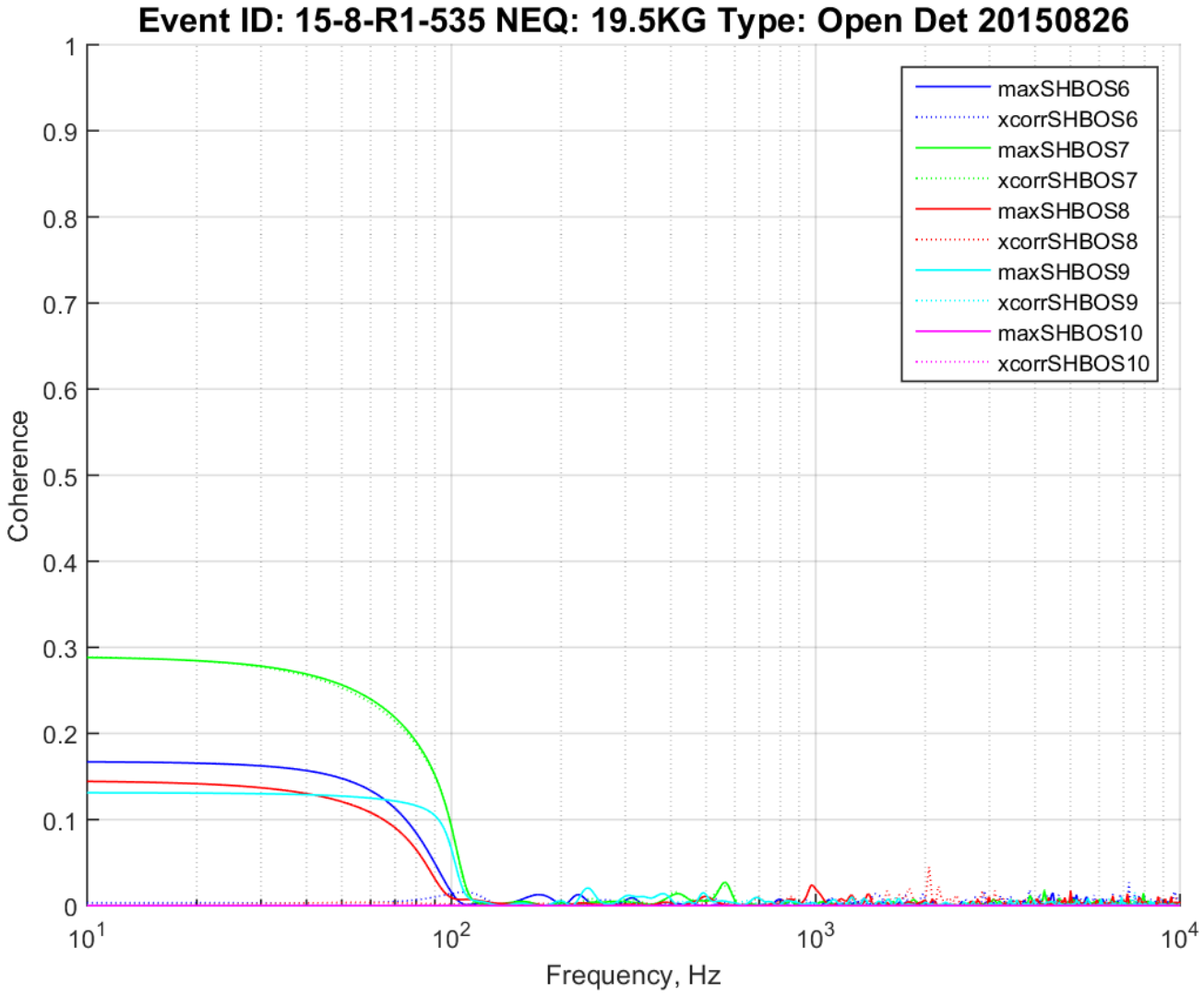


FIGURE 2.744: COHERENCE SHB_OS 6 - 10 15-8-R1-535CTD

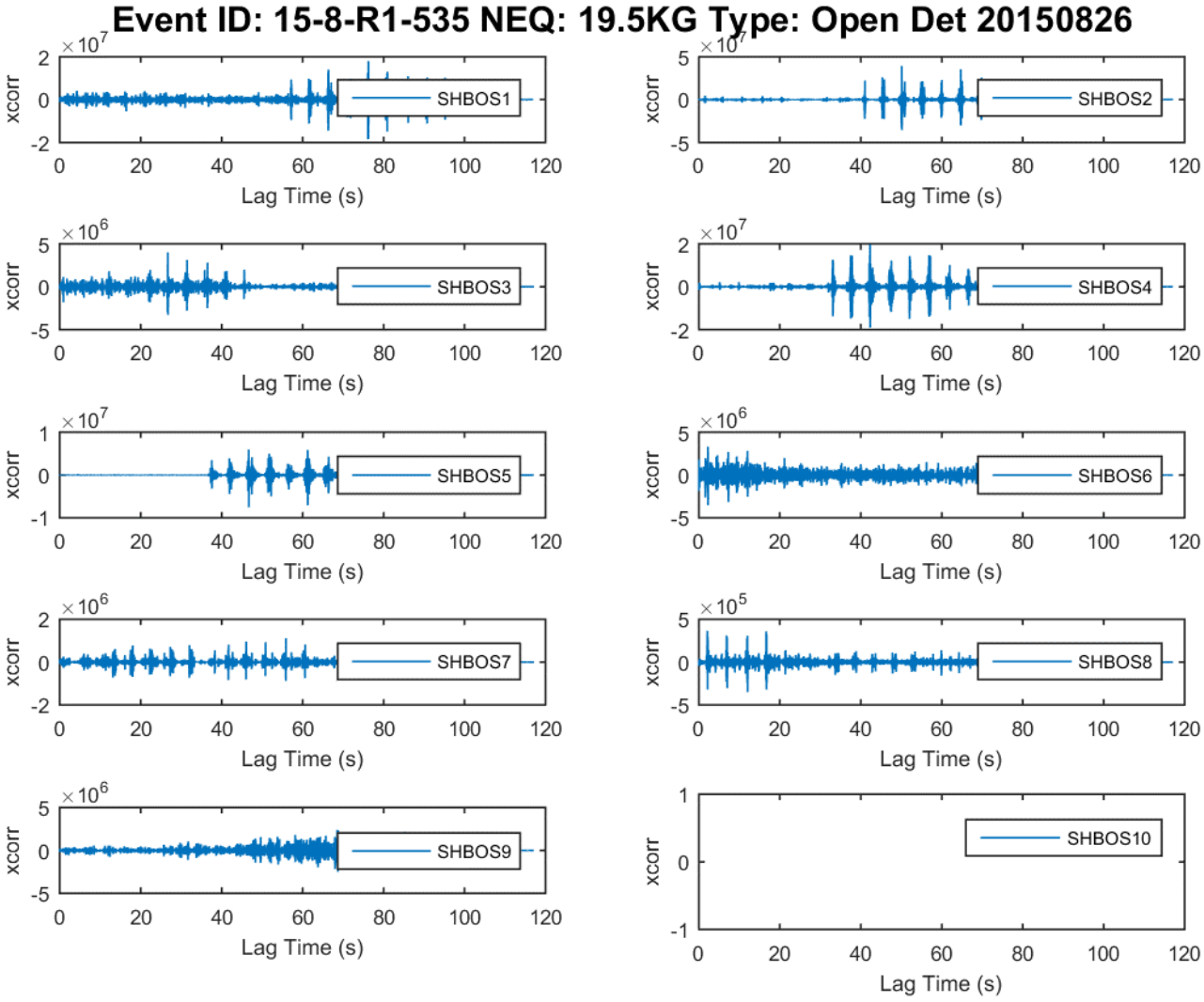


FIGURE 2.745: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-535

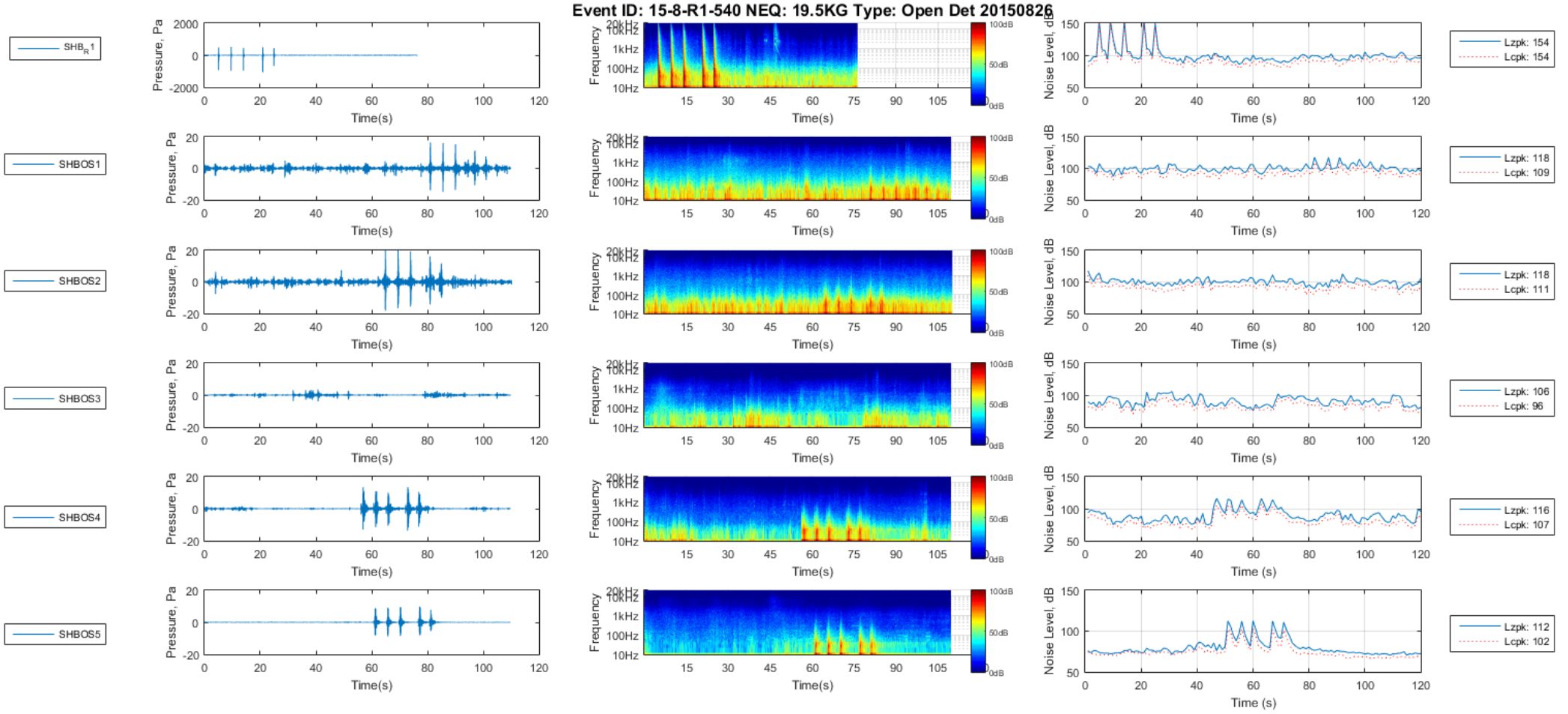


FIGURE 2.746: SHB_OS 1 - 5 15-8-R1-540

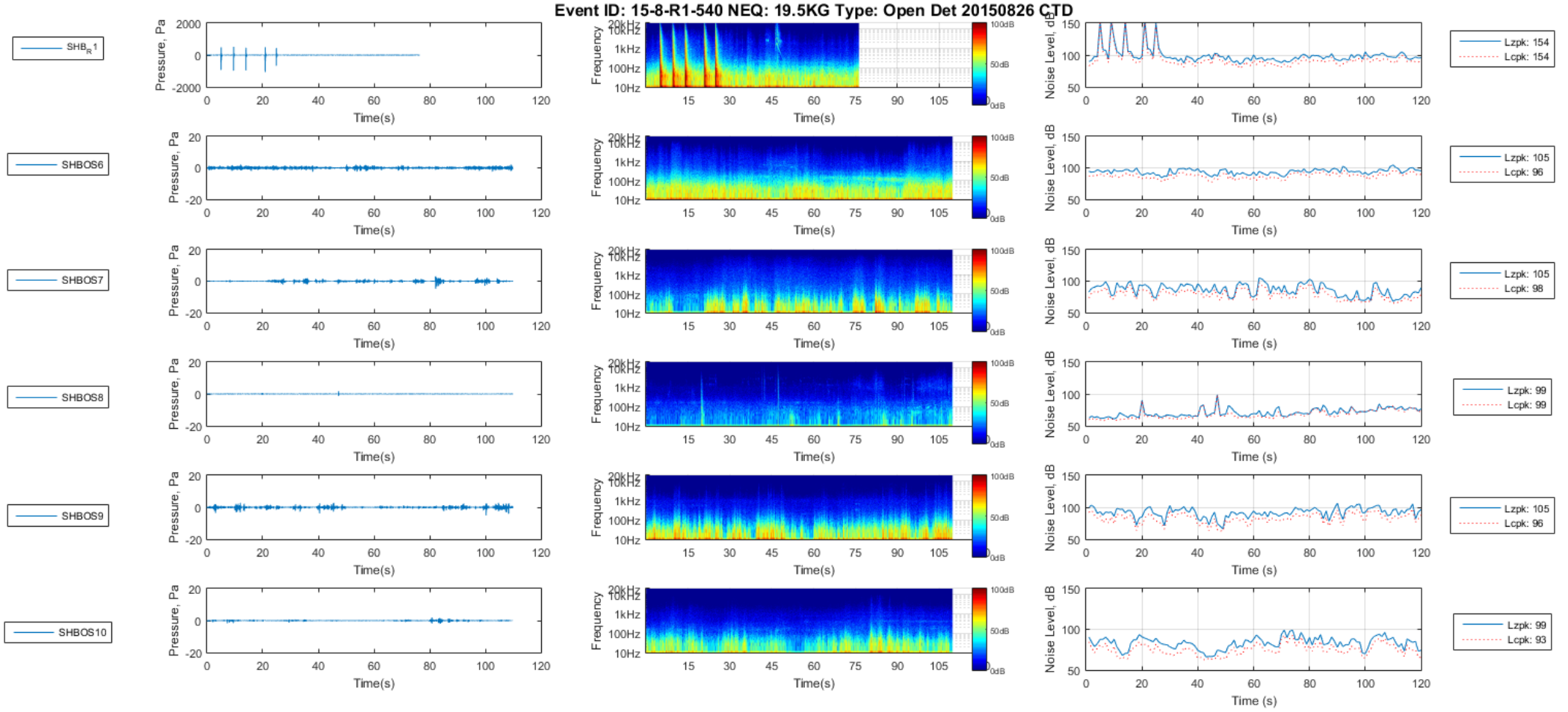


FIGURE 2.747: SHB_OS 6 - 10 15-8-R1-540

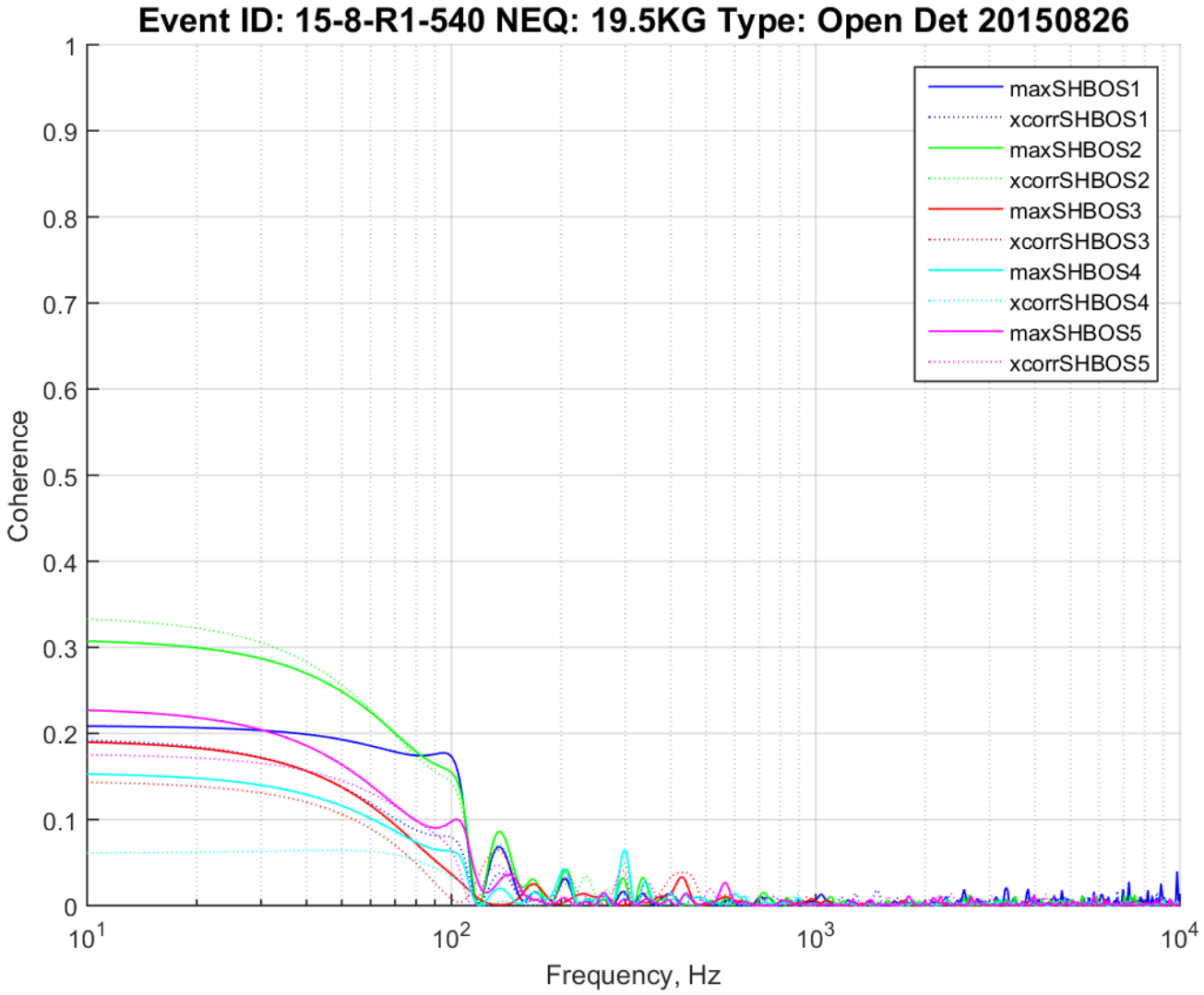


FIGURE 2.748: COHERENCE SHB_OS 1 - 5 15-8-R1-540

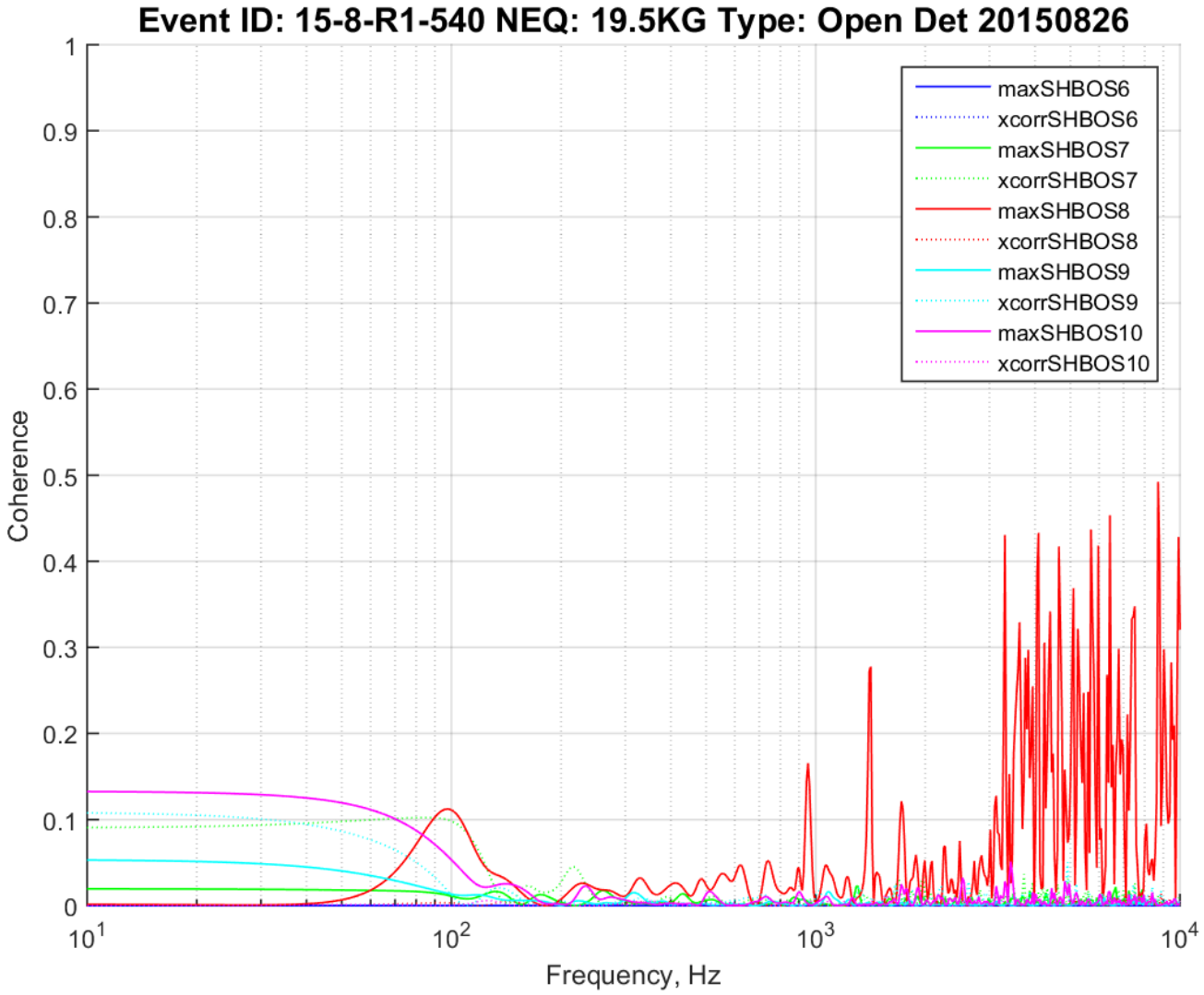


FIGURE 2.749: COHERENCE SHB_OS 6 - 10 15-8-R1-540CTD

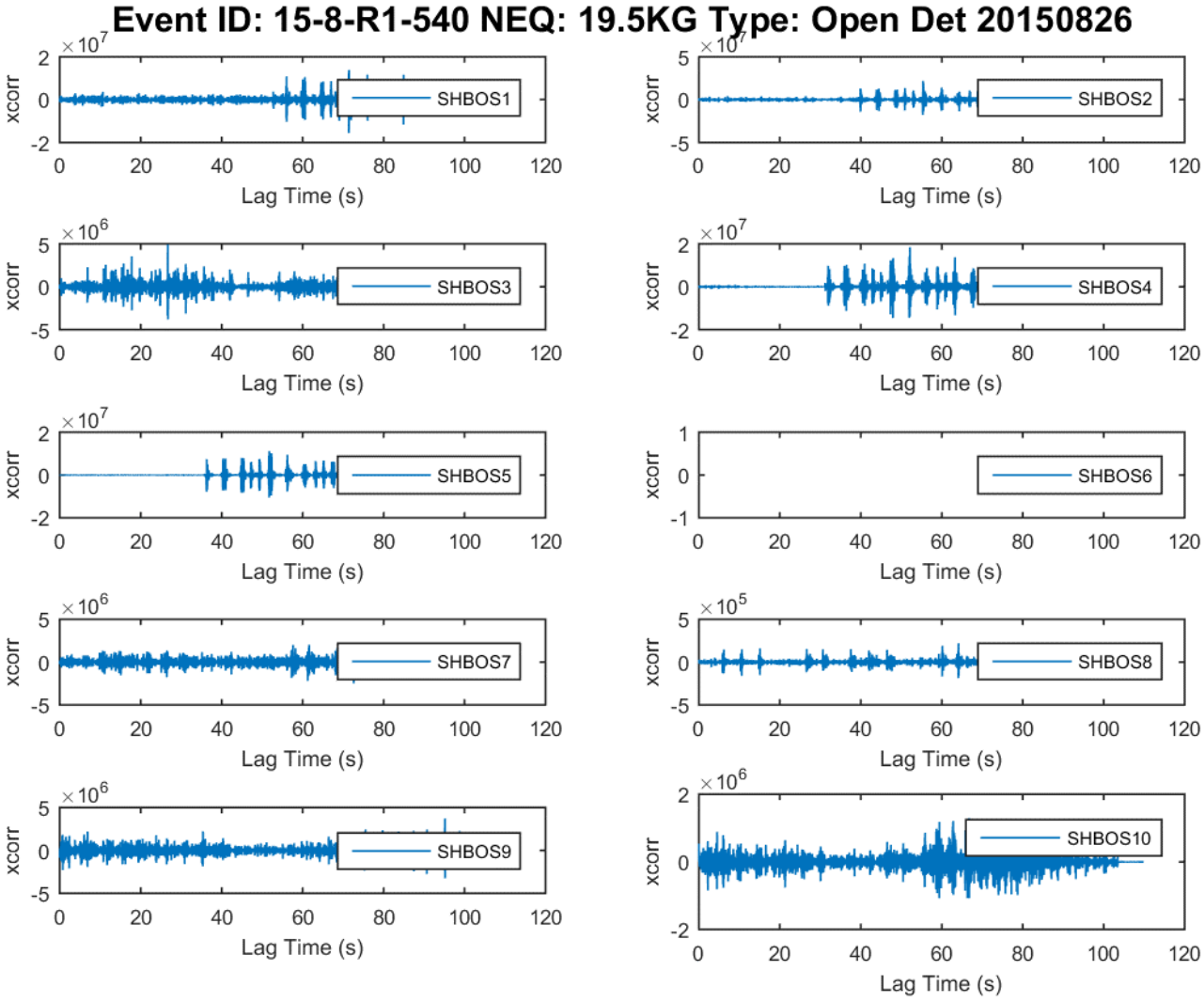


FIGURE 2.750: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-540

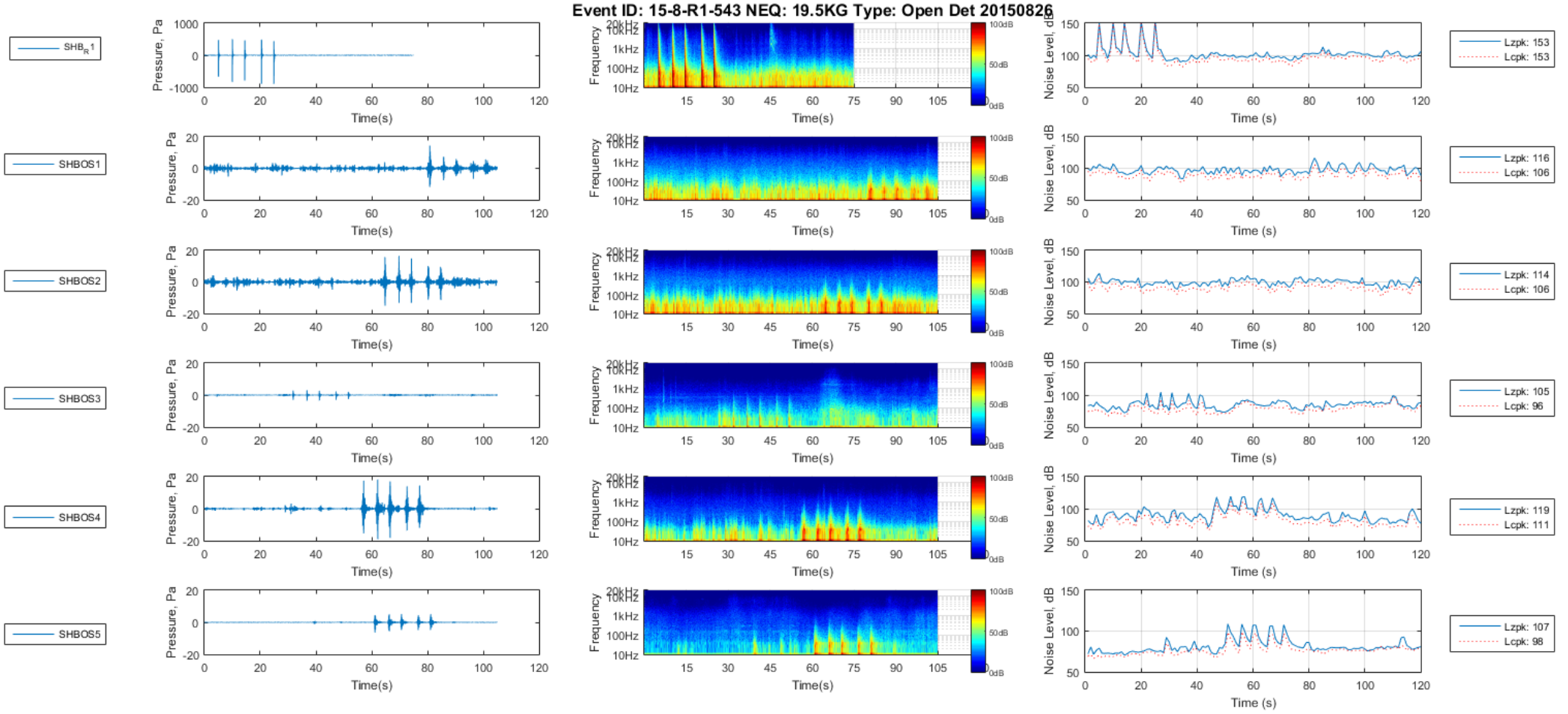


FIGURE 2.751: SHB_OS 1 - 5 15-8-R1-543

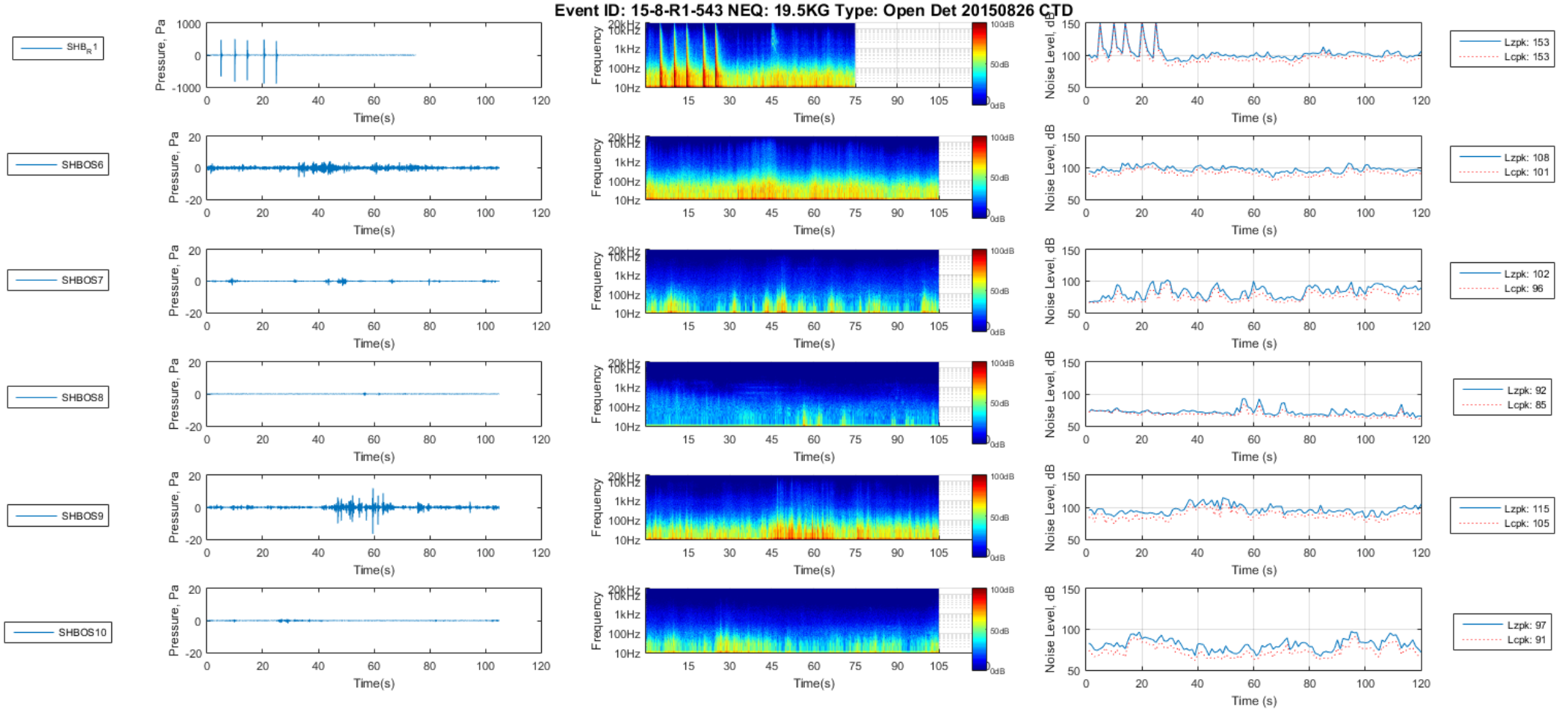


FIGURE 2.752: SHB_OS 6 - 10 15-8-R1-543

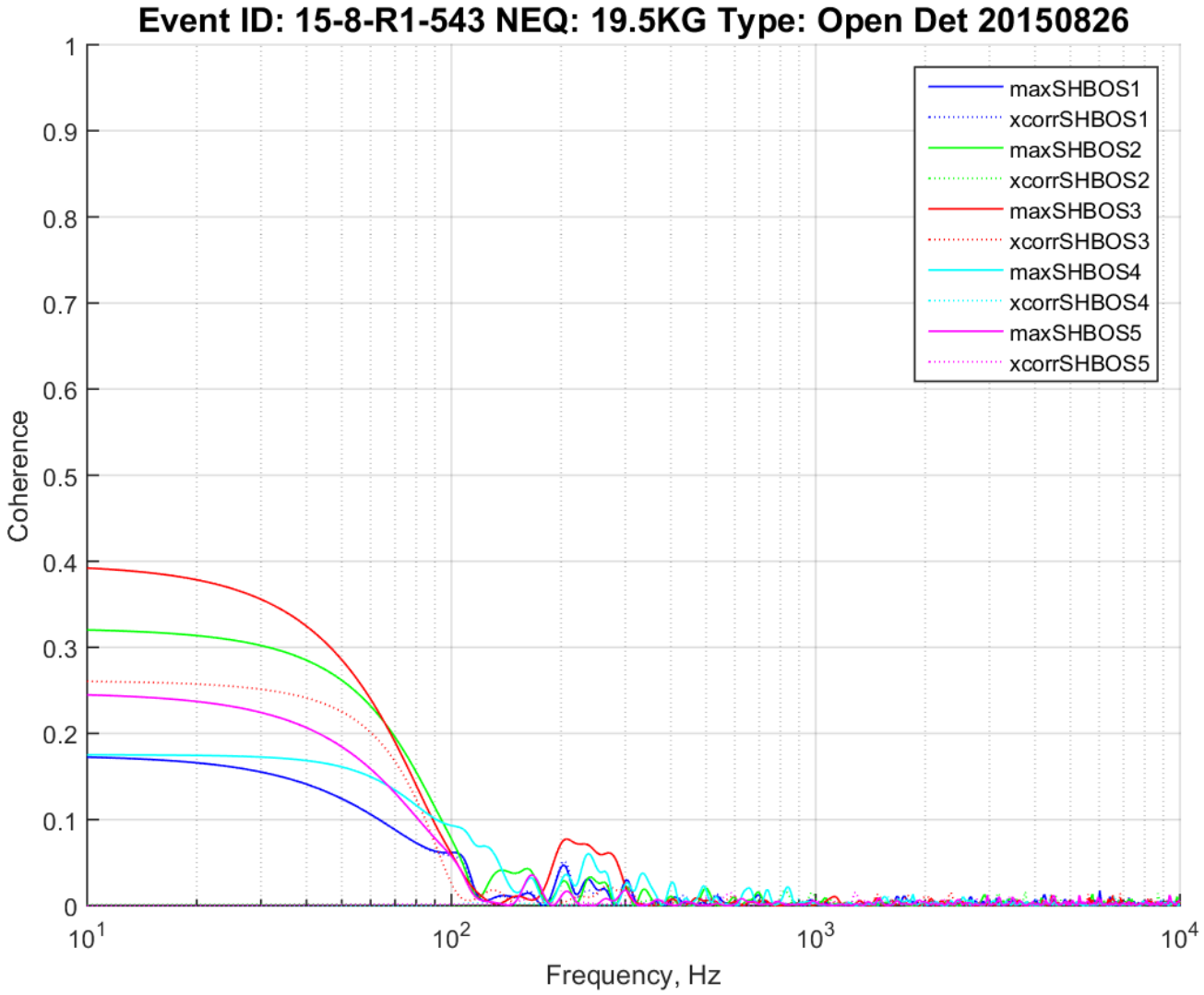


FIGURE 2.753: COHERENCE SHB_OS 1 - 5 15-8-R1-543

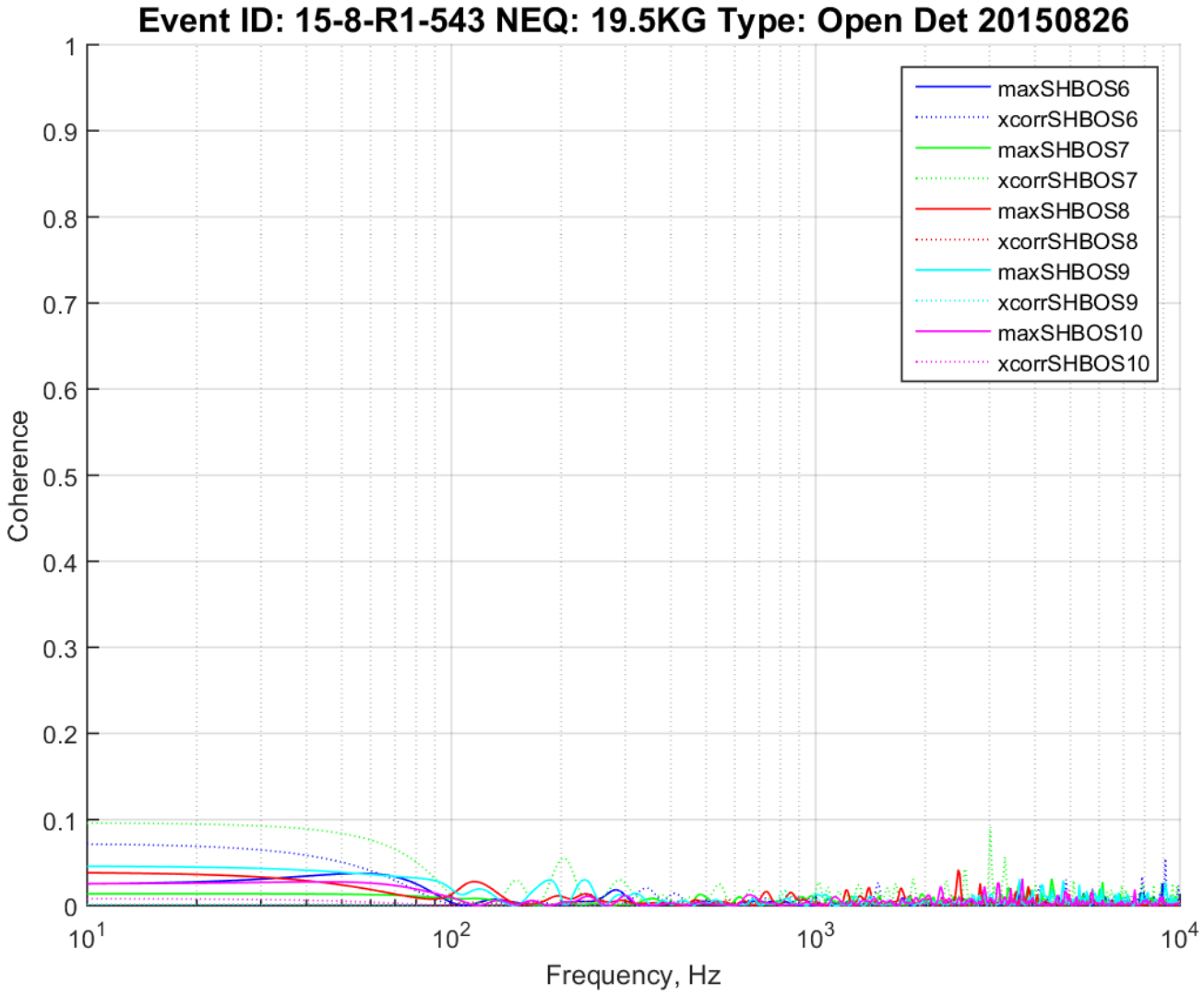


FIGURE 2.754: COHERENCE SHB_OS 6 - 10 15-8-R1-543CTD

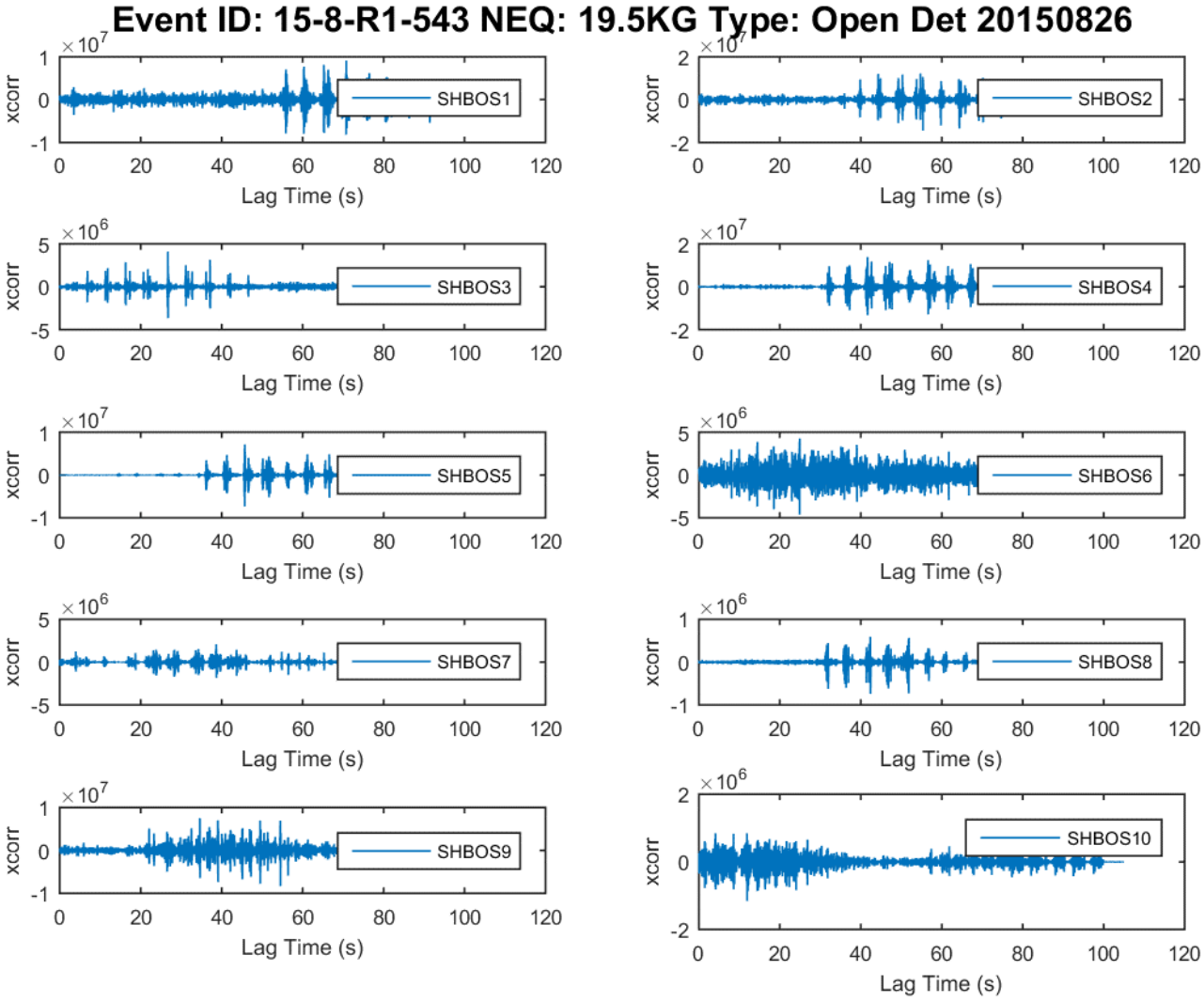


FIGURE 2.755: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-543

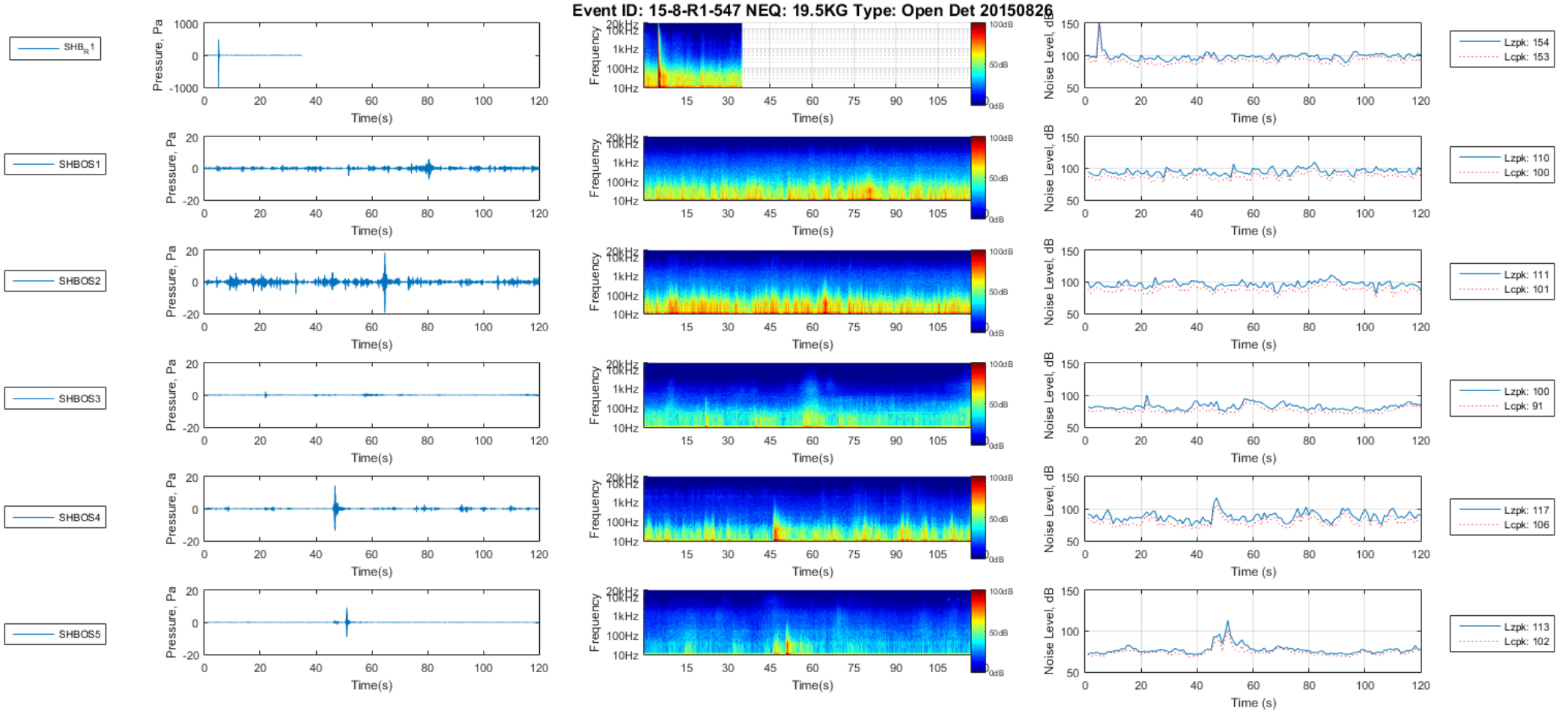


FIGURE 2.756: SHB_OS 1 - 5 15-8-R1-547

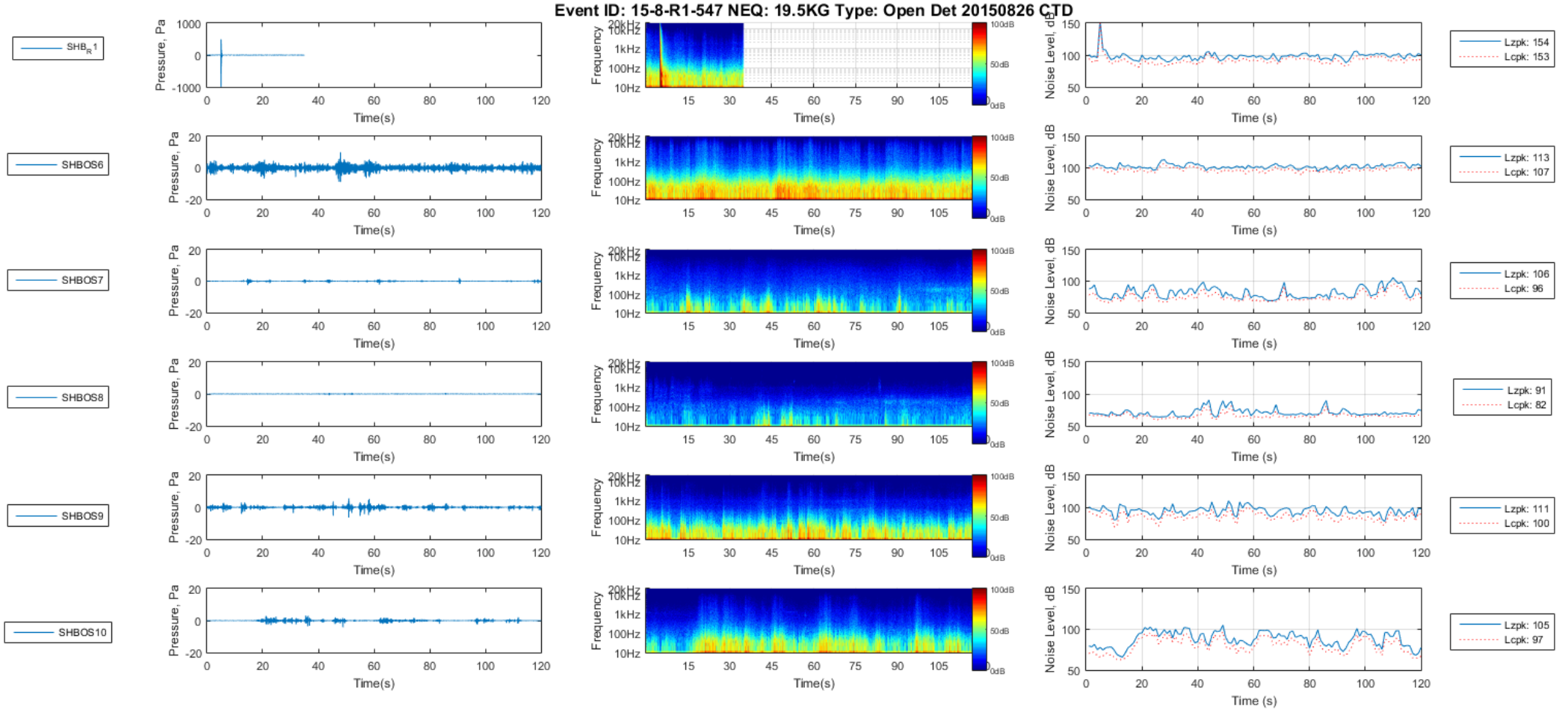


FIGURE 2.757: SHB_OS 6 - 10 15-8-R1-547

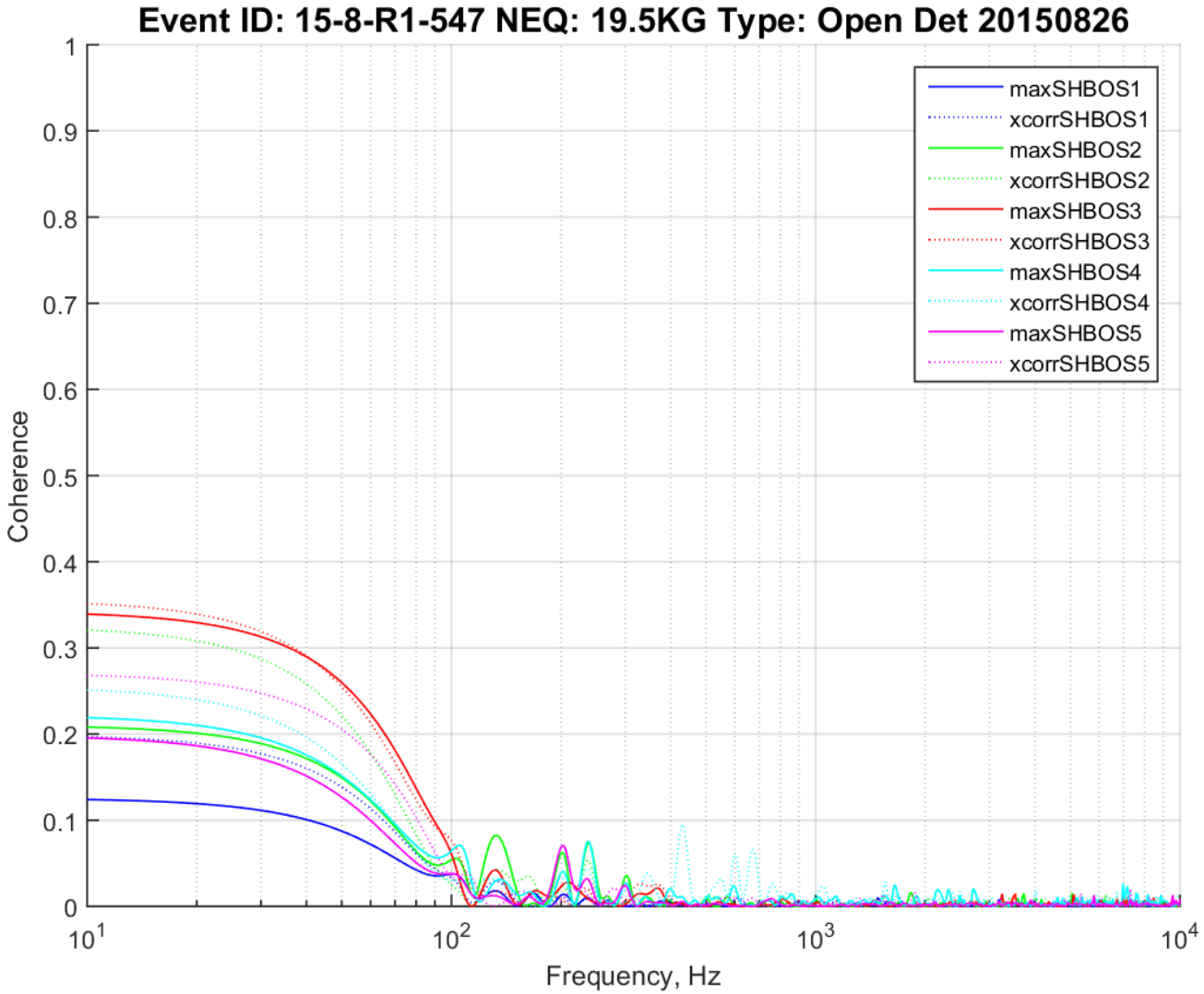


FIGURE 2.758: COHERENCE SHB_OS 1 - 5 15-8-R1-547

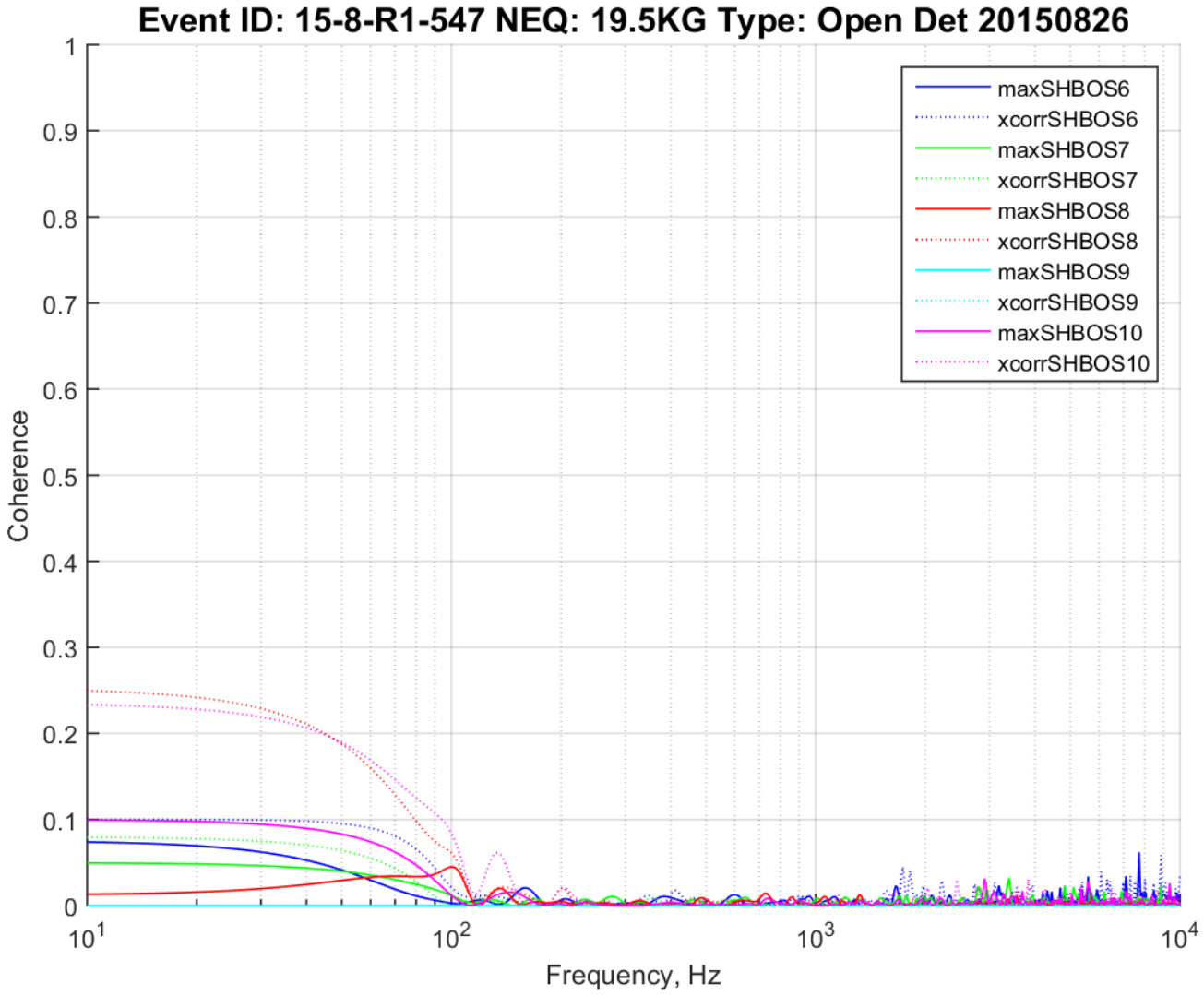


FIGURE 2.759: COHERENCE SHB_OS 6 - 10 15-8-R1-547CTD

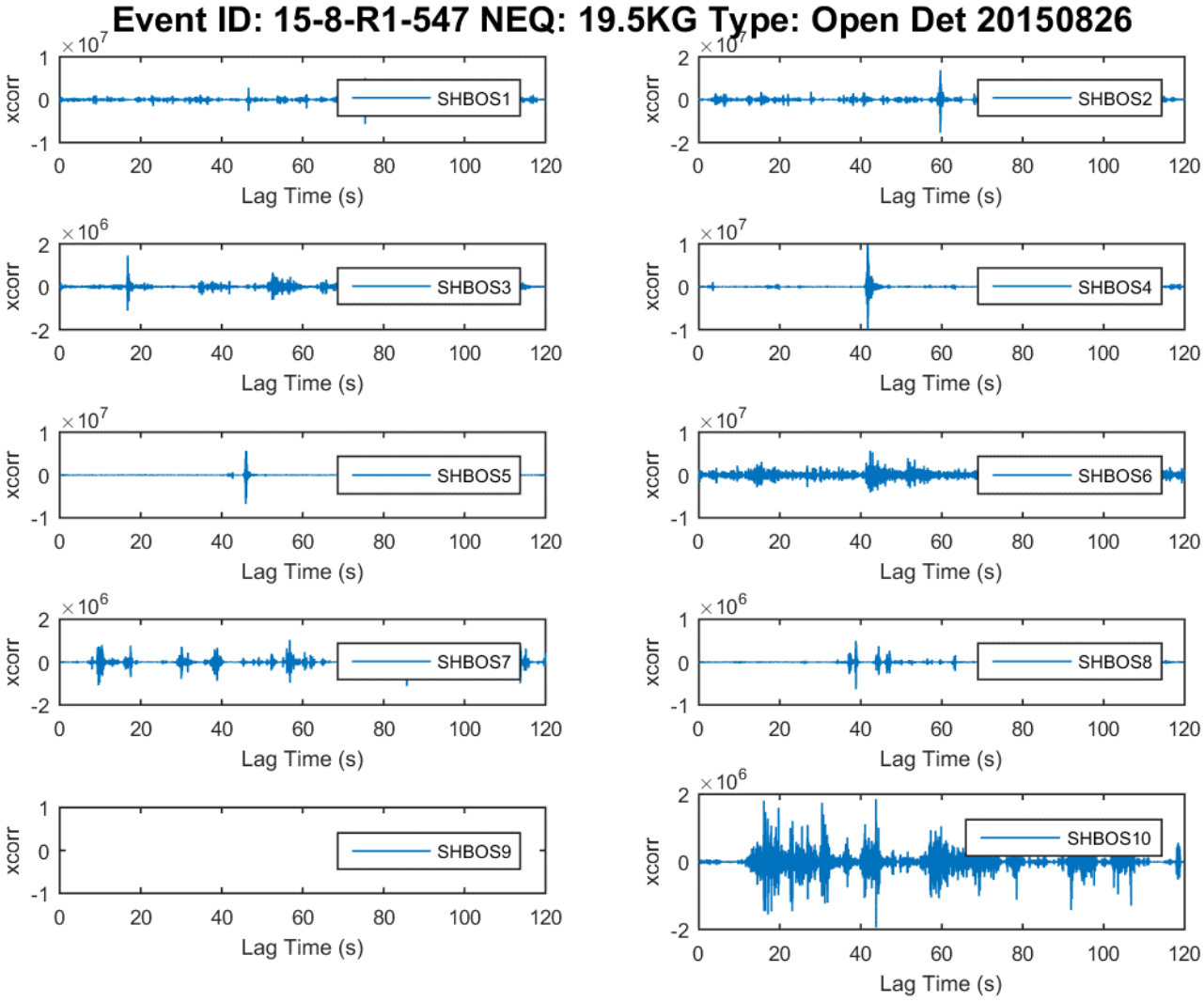


FIGURE 2.760: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-547

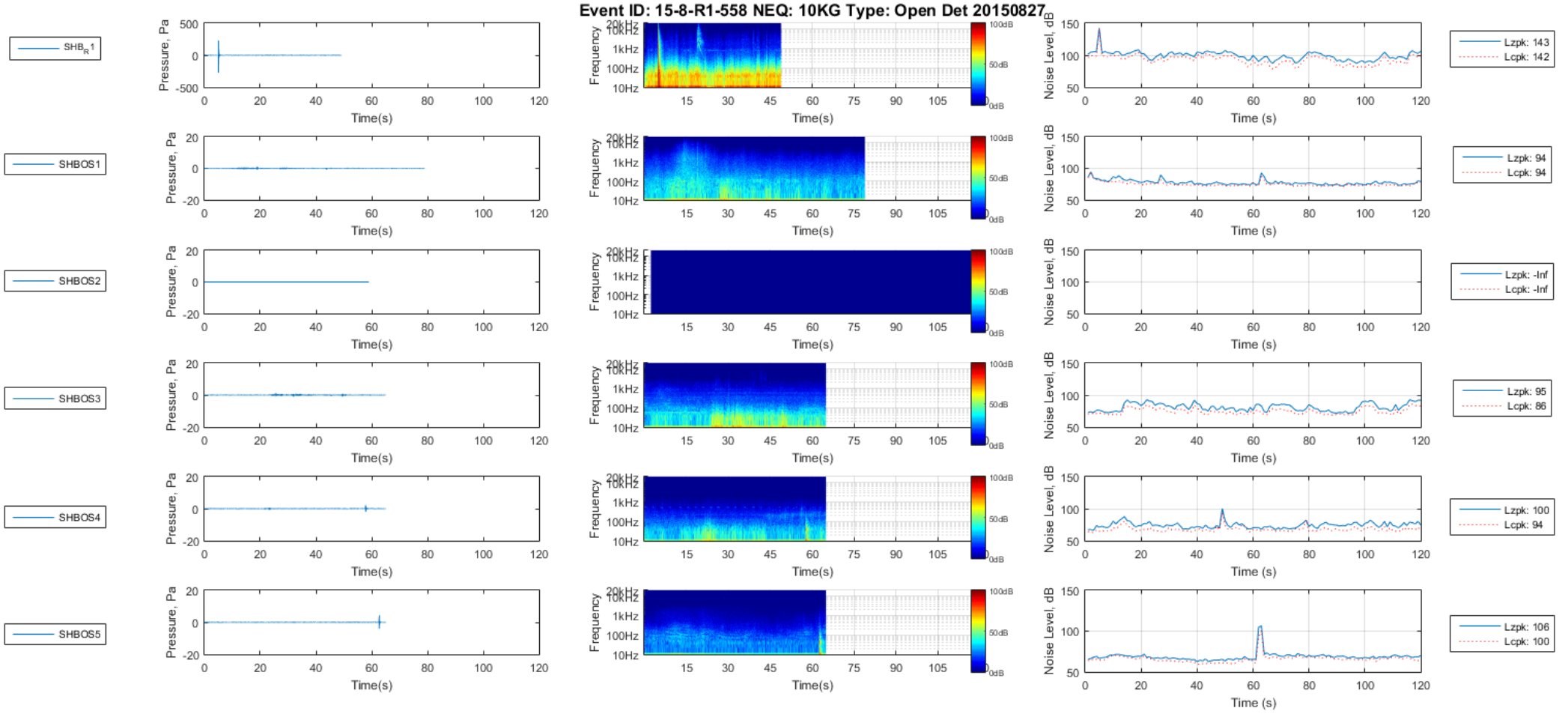


FIGURE 2.761: SHB_OS 1 - 5 15-8-R1-558

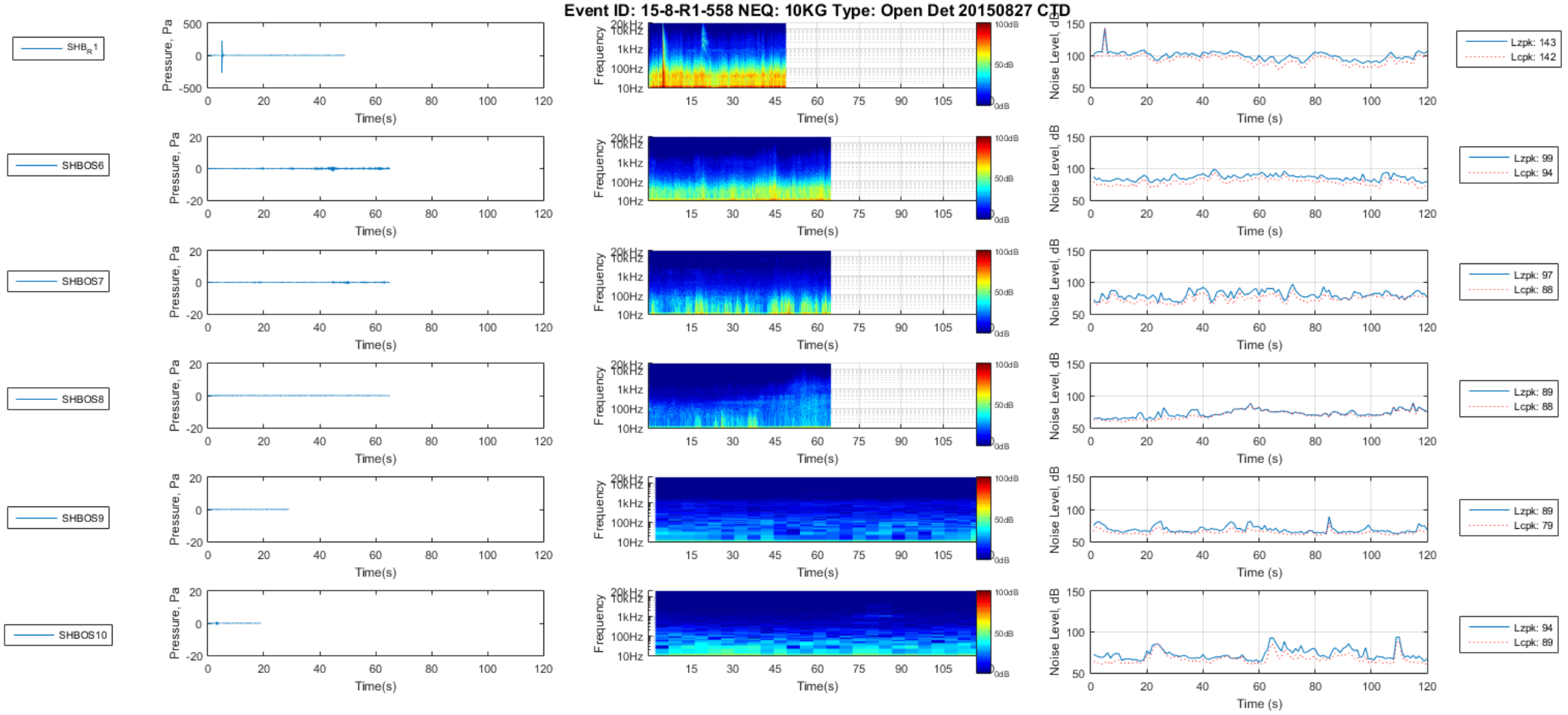


FIGURE 2.762: SHB_OS 6 - 10 15-8-R1-558

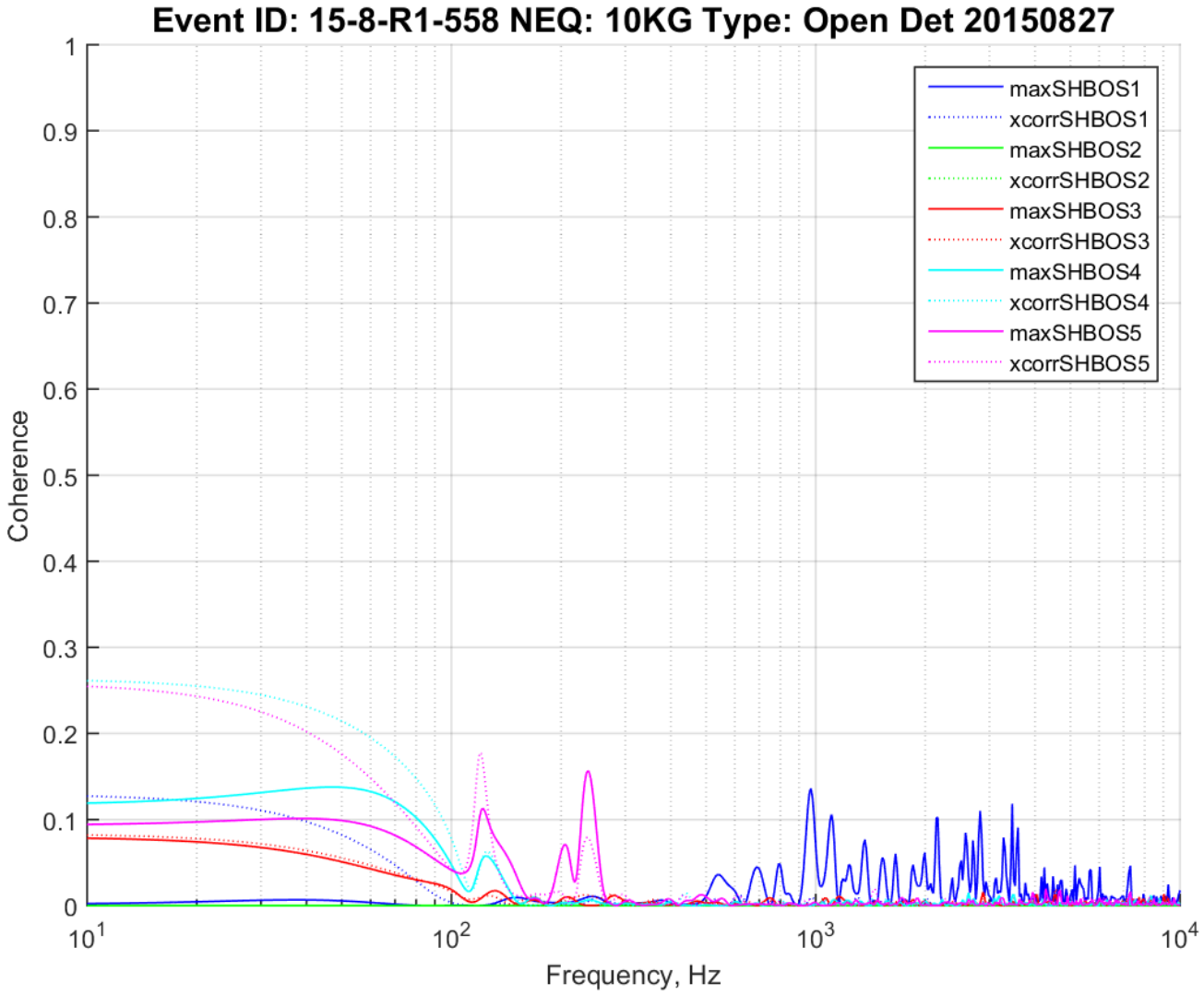


FIGURE 2.763: COHERENCE SHB_OS 1 - 5 15-8-R1-558

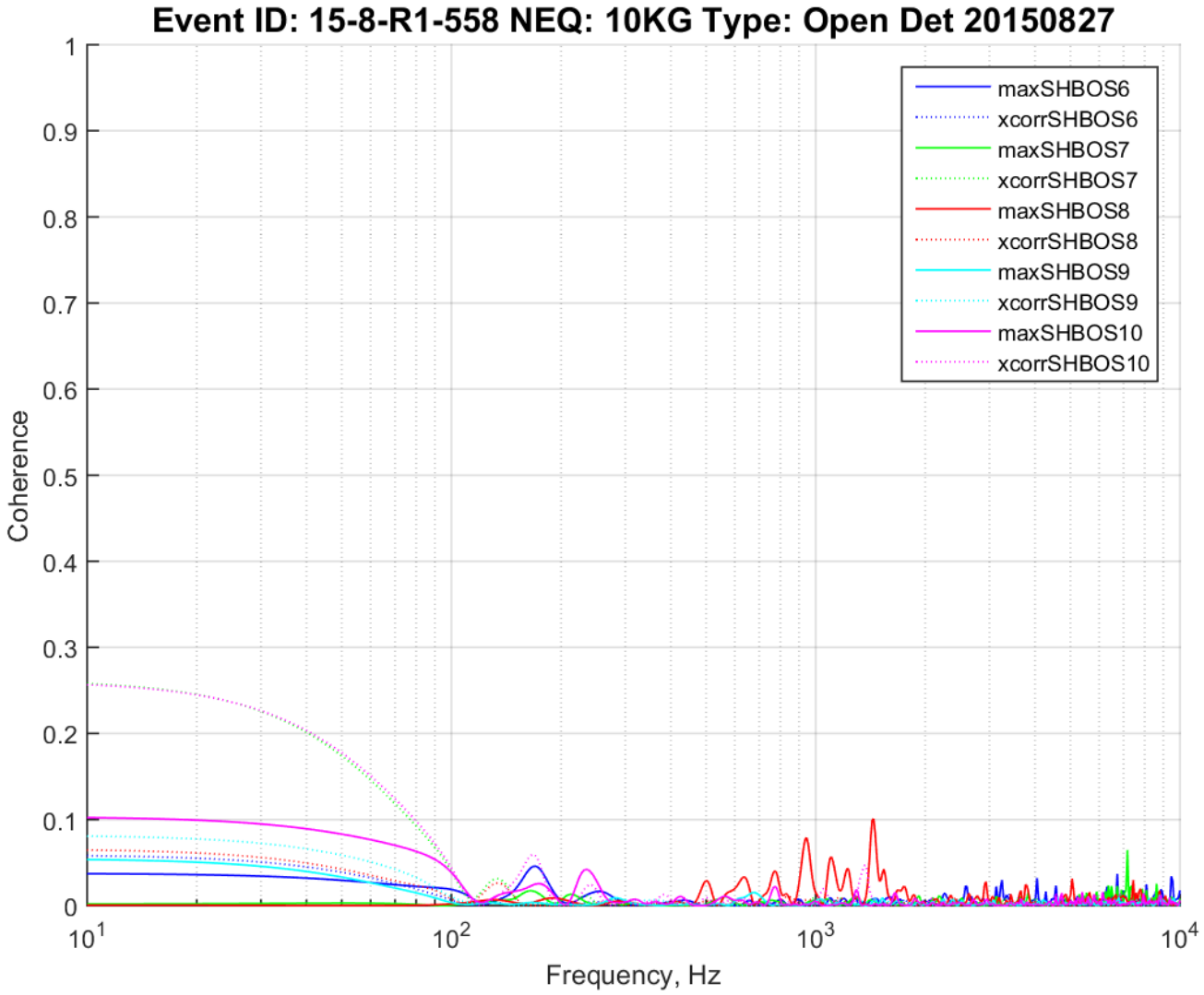


FIGURE 2.764: COHERENCE SHB_OS 6 - 10 15-8-R1-558CTD

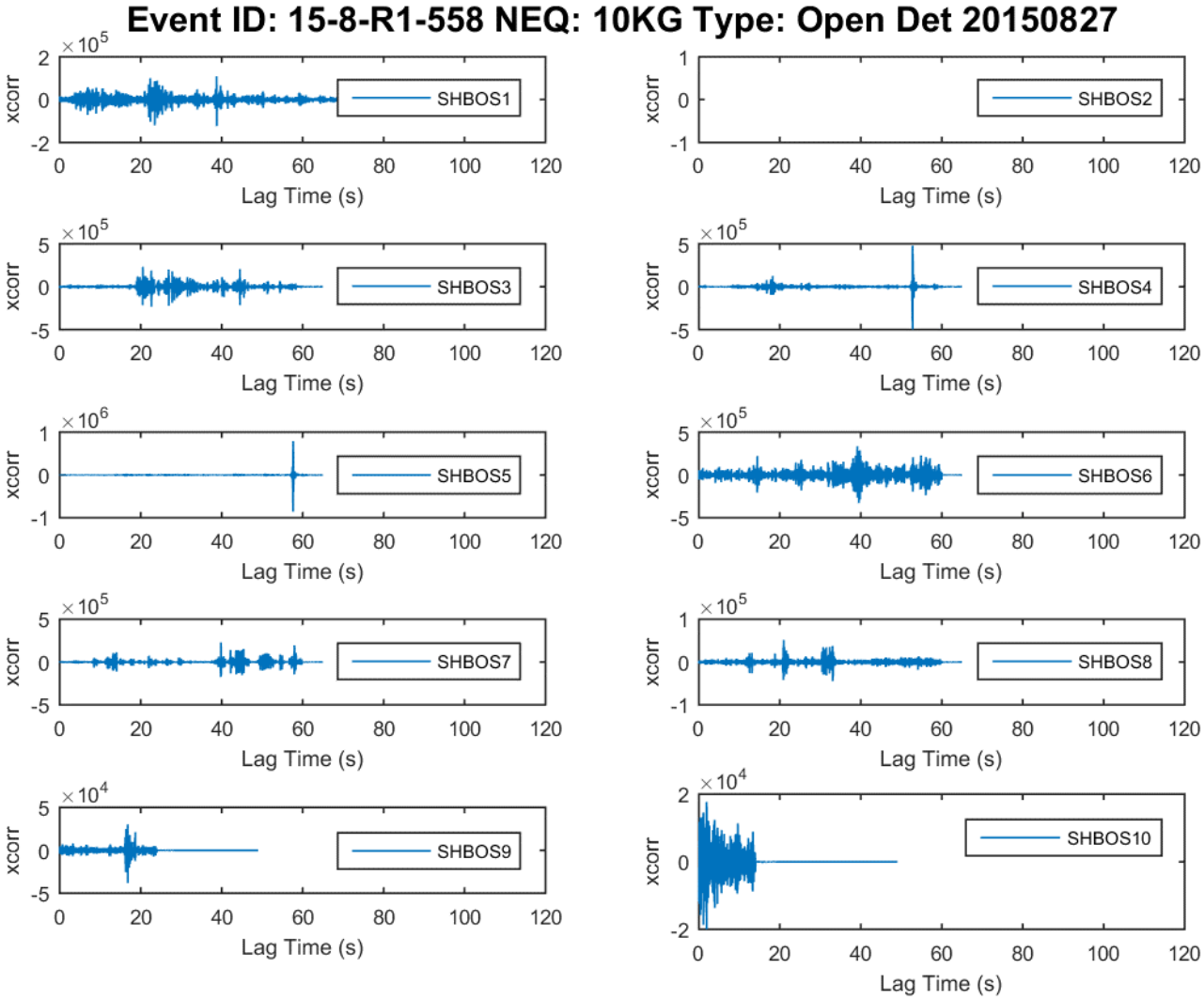


FIGURE 2.765: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-558

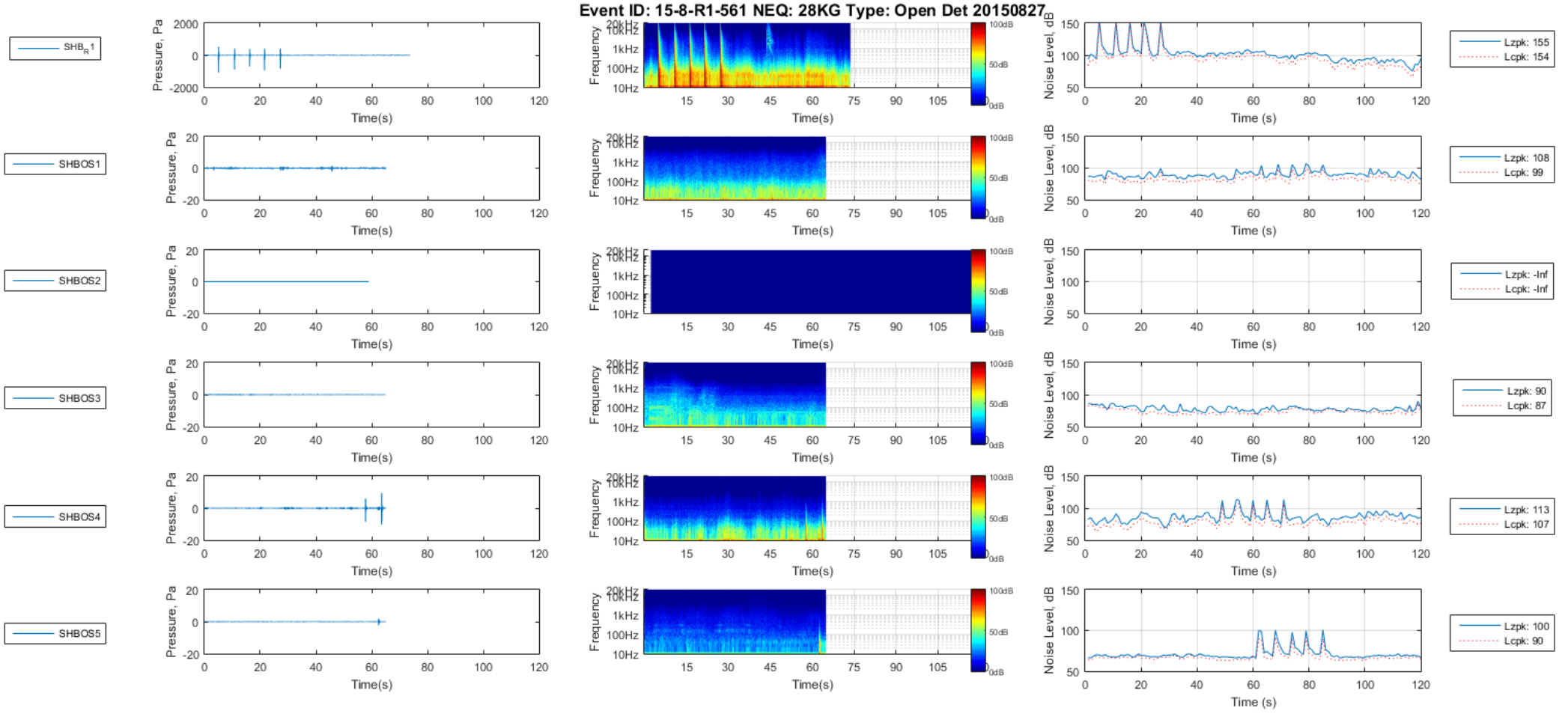


FIGURE 2.766: SHB_OS 1 - 5 15-8-R1-561

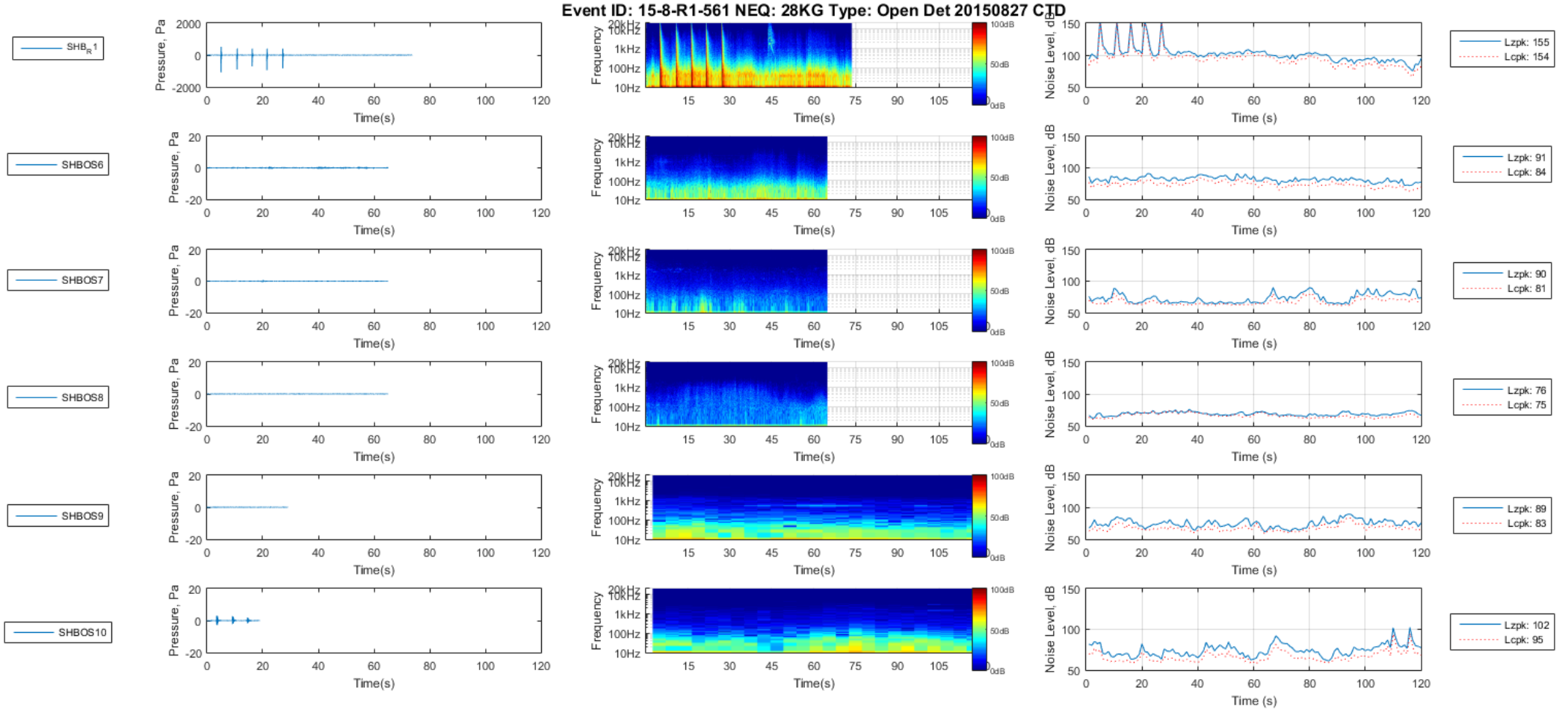


FIGURE 2.767: SHB_OS 6 - 10 15-8-R1-561

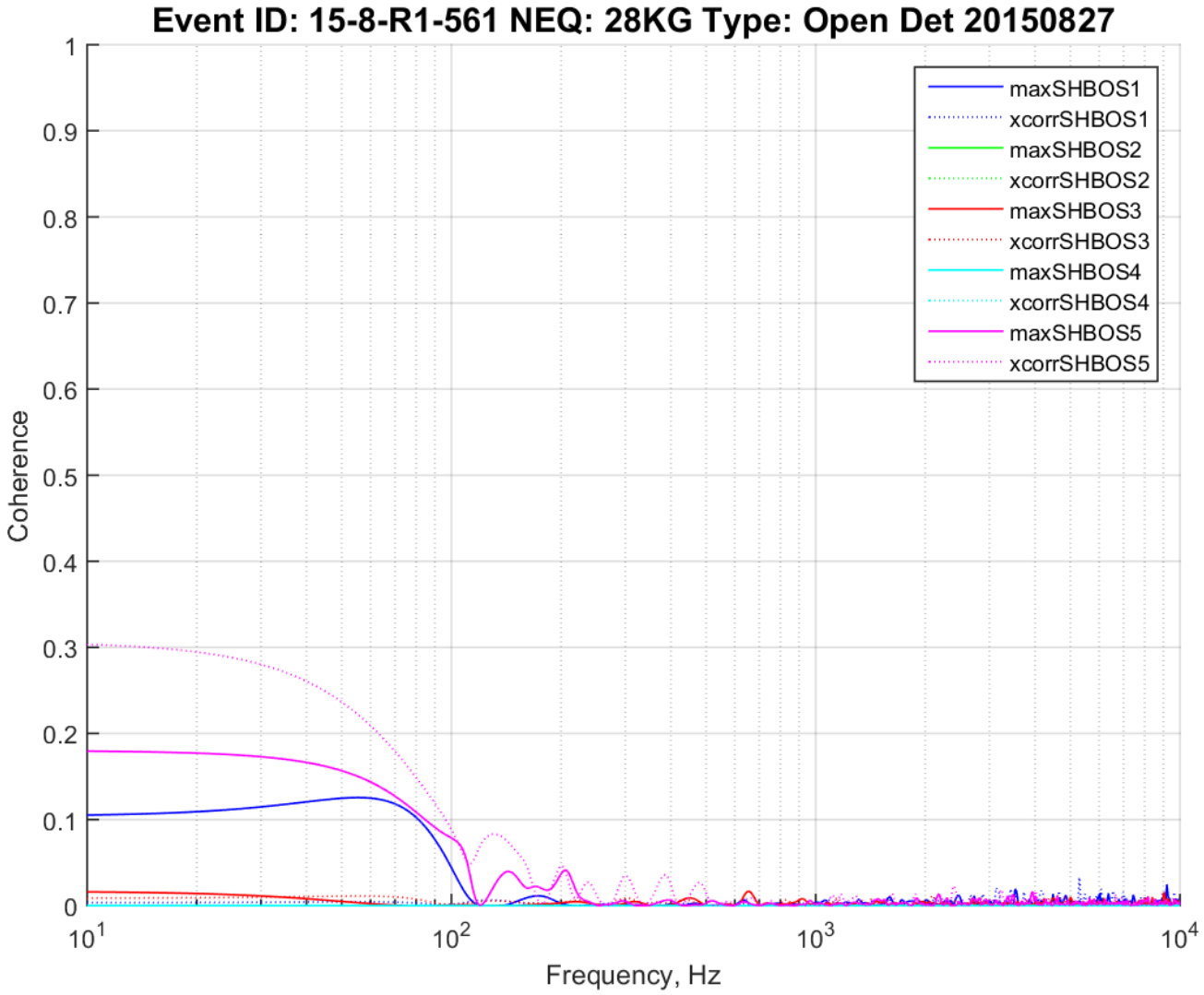


FIGURE 2.768: COHERENCE SHB_OS 1 - 5 15-8-R1-561

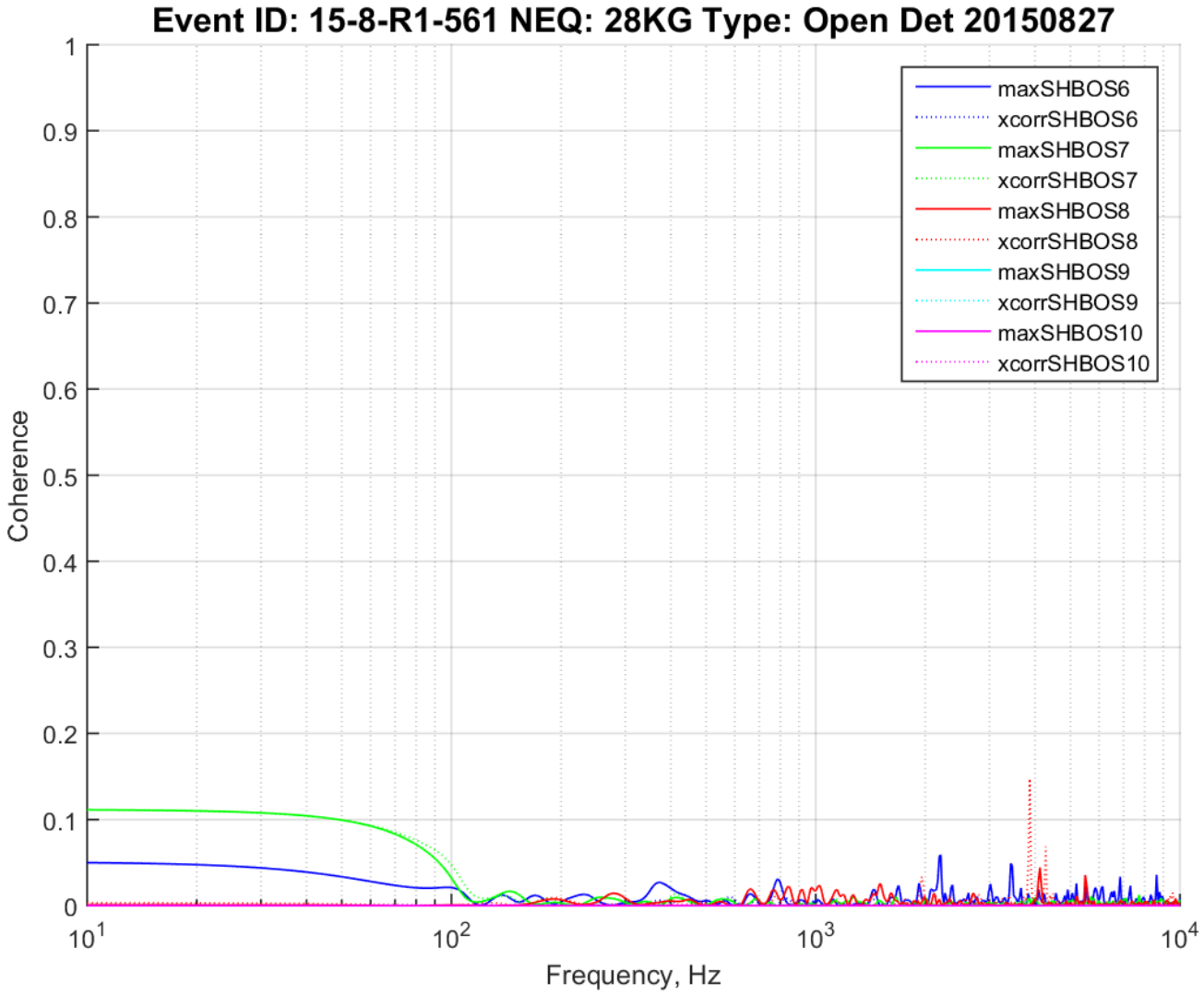


FIGURE 2.769: COHERENCE SHB_OS 6 - 10 15-8-R1-561CTD

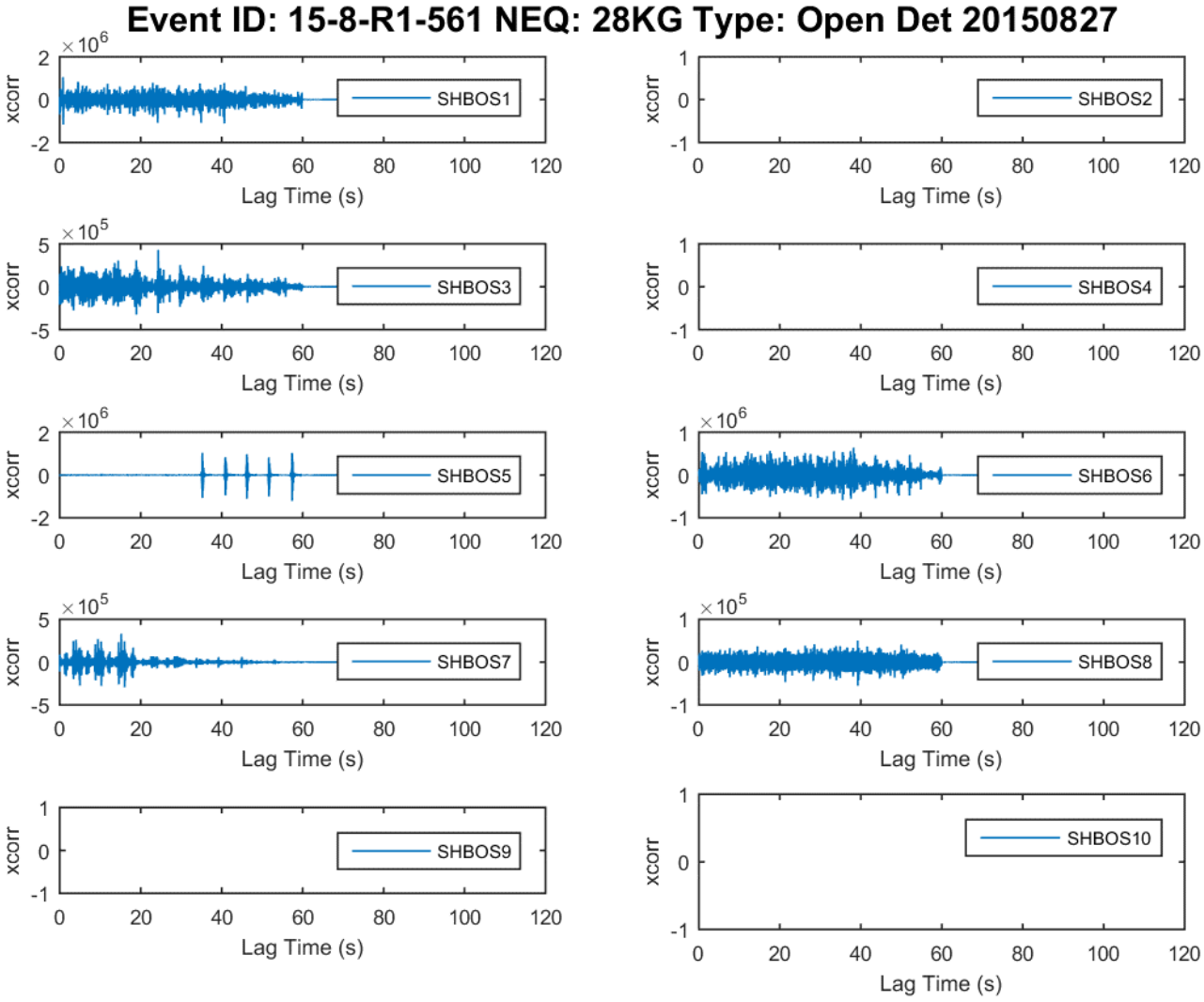


FIGURE 2.770: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-561

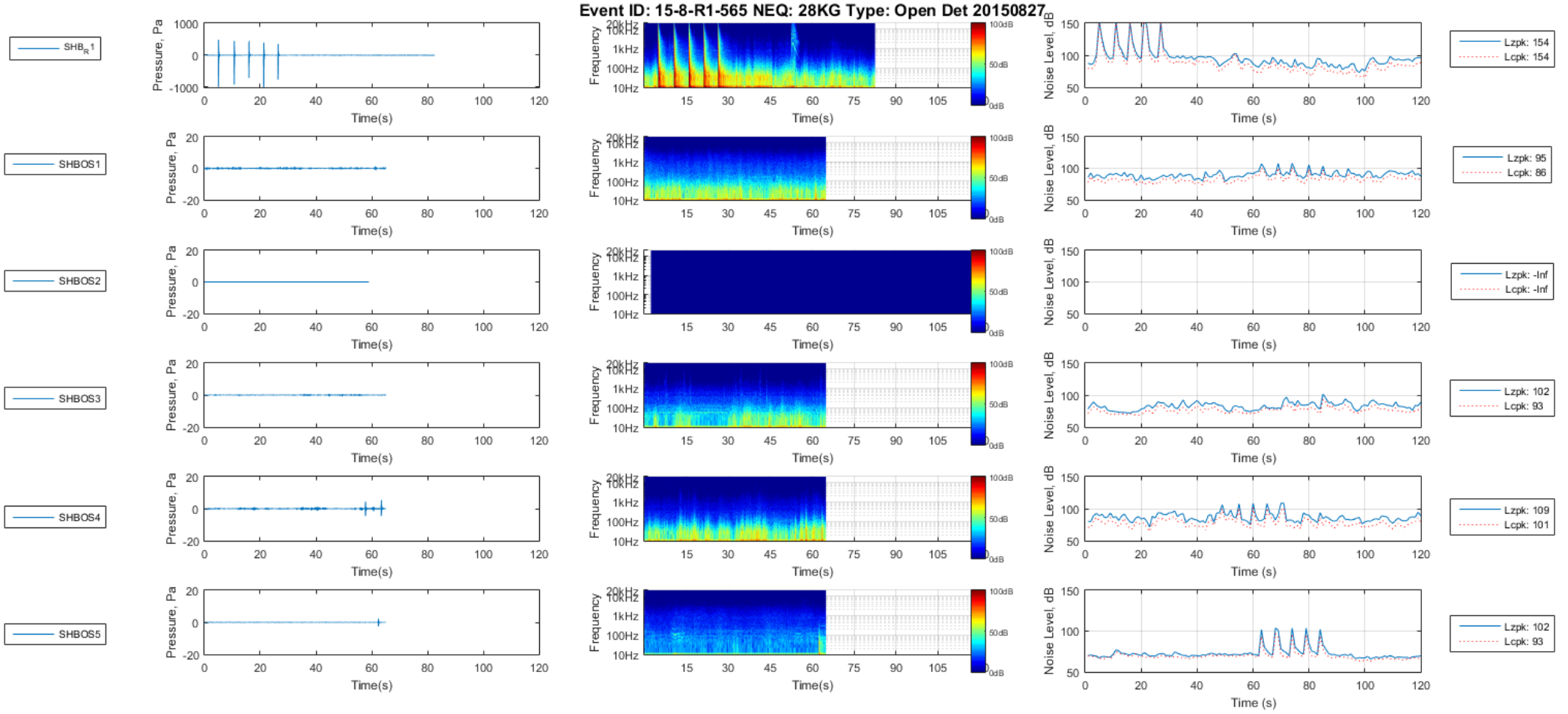


FIGURE 2.771: SHB_OS 1 - 5 15-8-R1-565

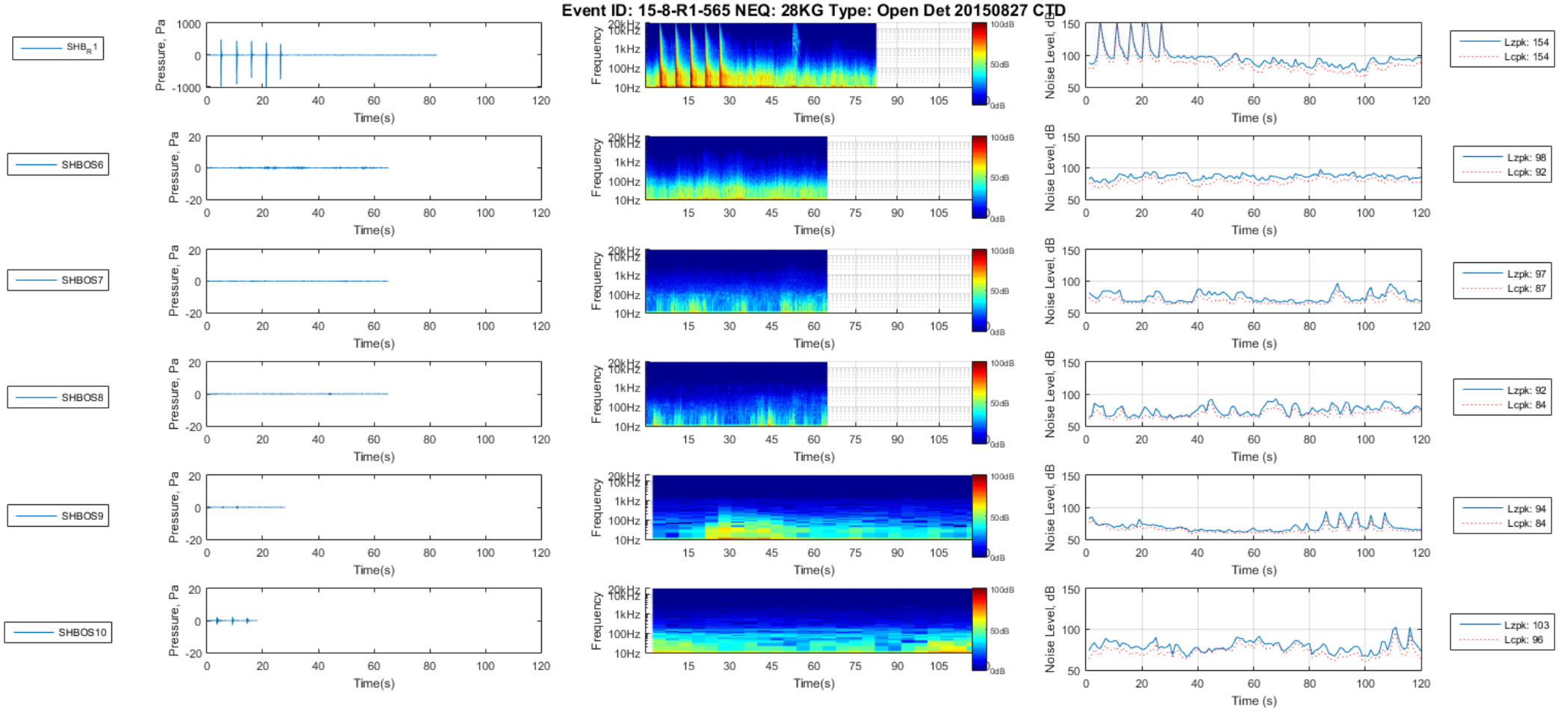


FIGURE 2.772: SHB_OS 6 - 10 15-8-R1-565

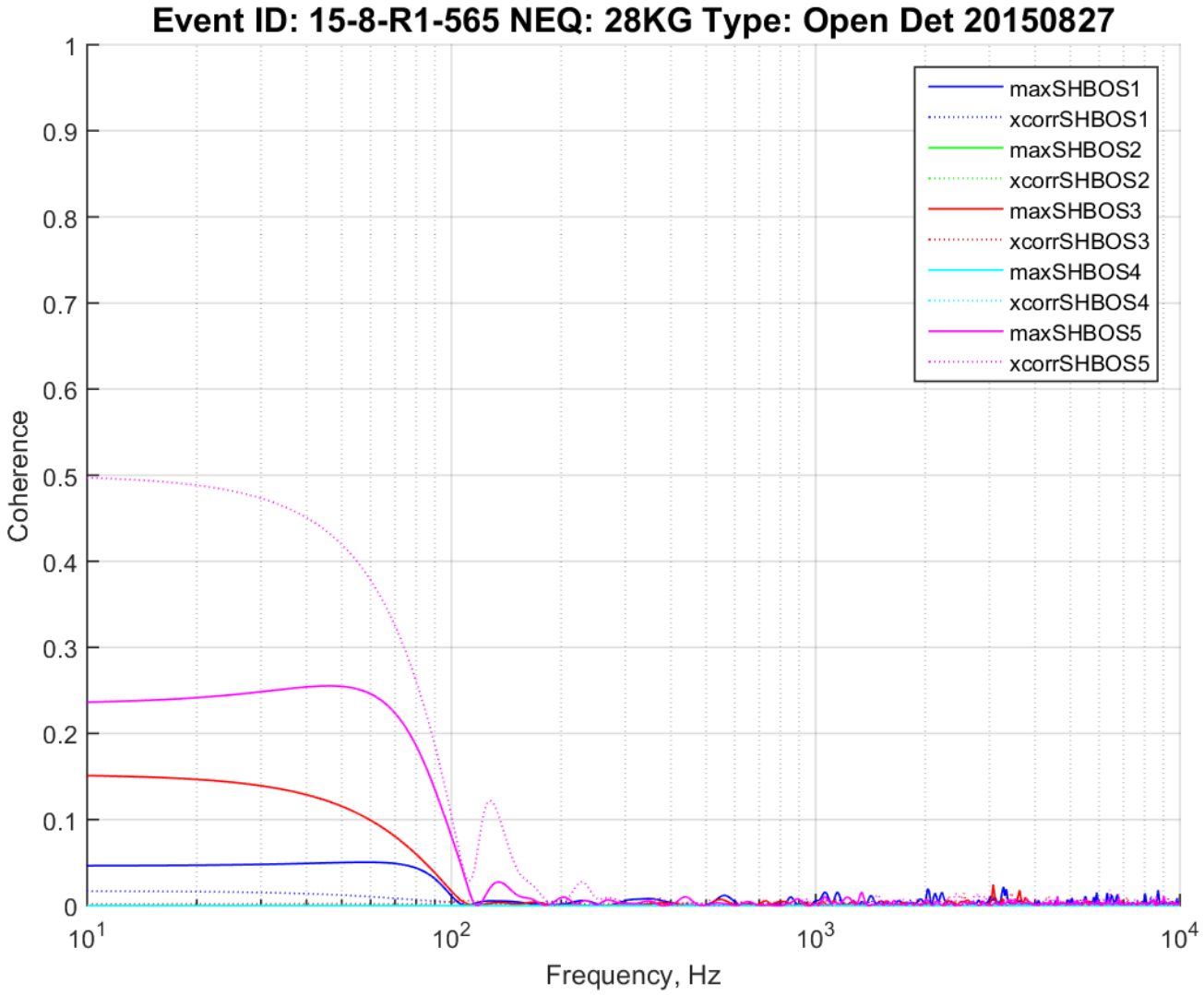


FIGURE 2.773: COHERENCE SHB_OS 1 - 5 15-8-R1-565

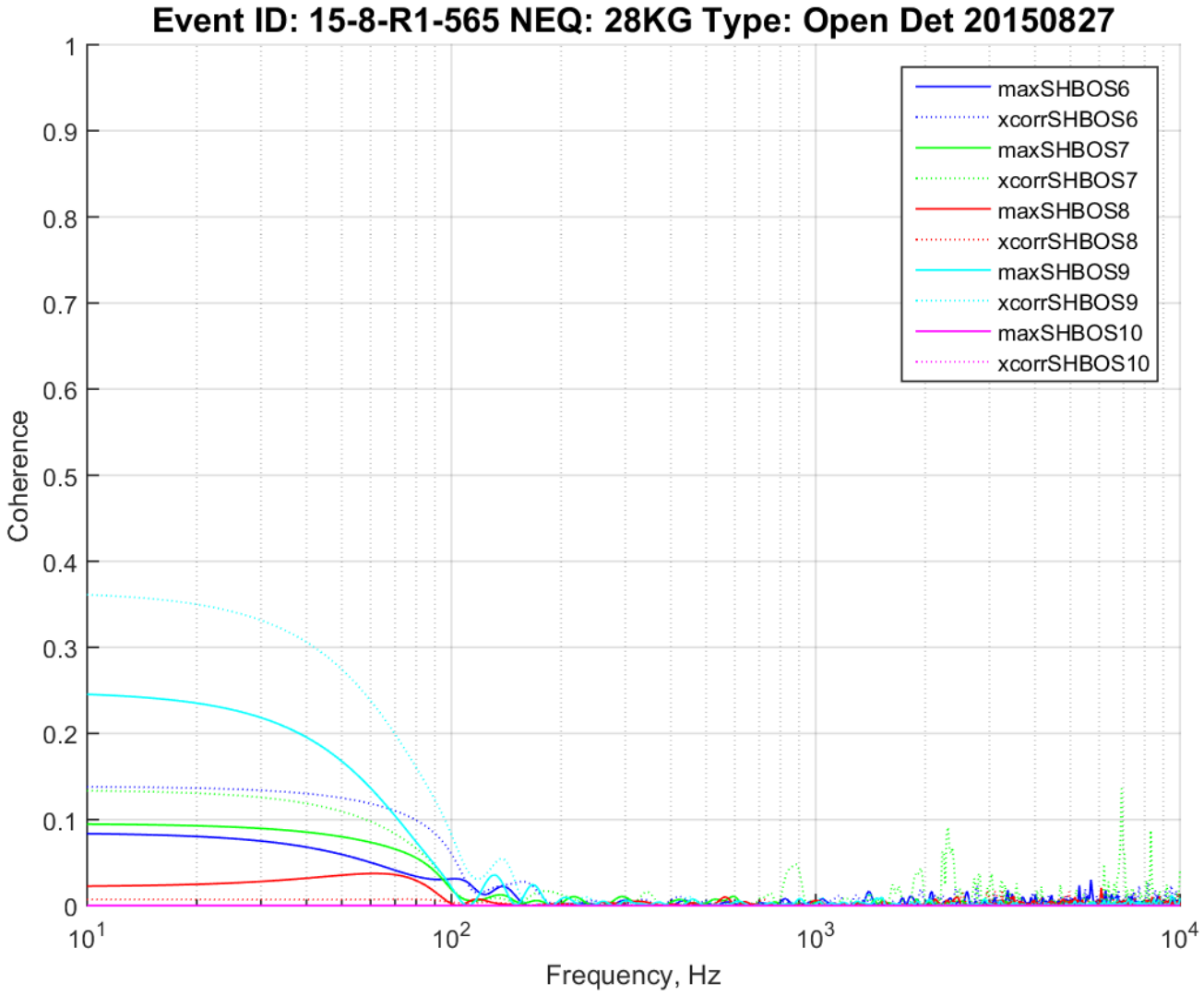


FIGURE 2.774: COHERENCE SHB_OS 6 - 10 15-8-R1-565CTD

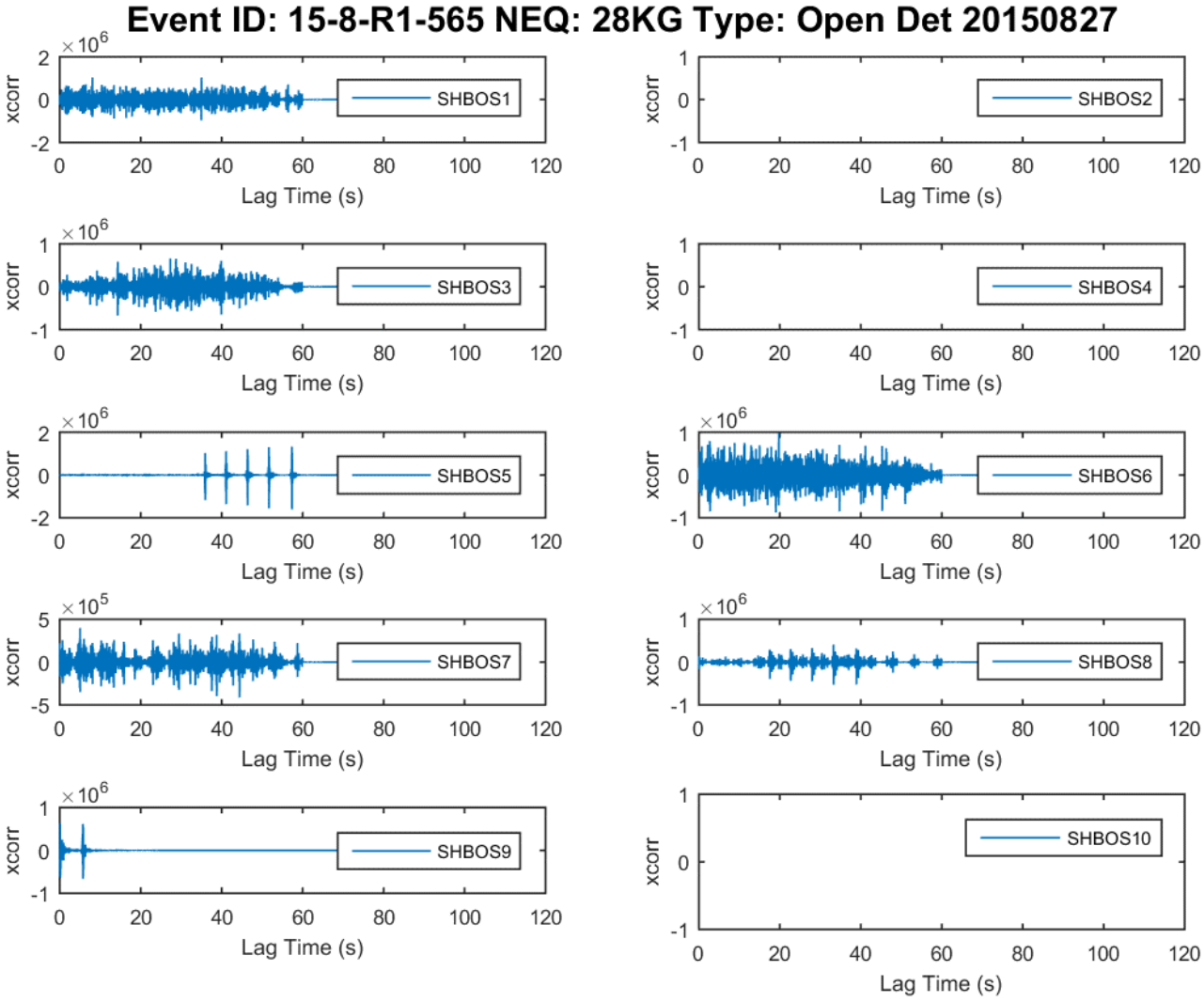


FIGURE 2.775: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-565

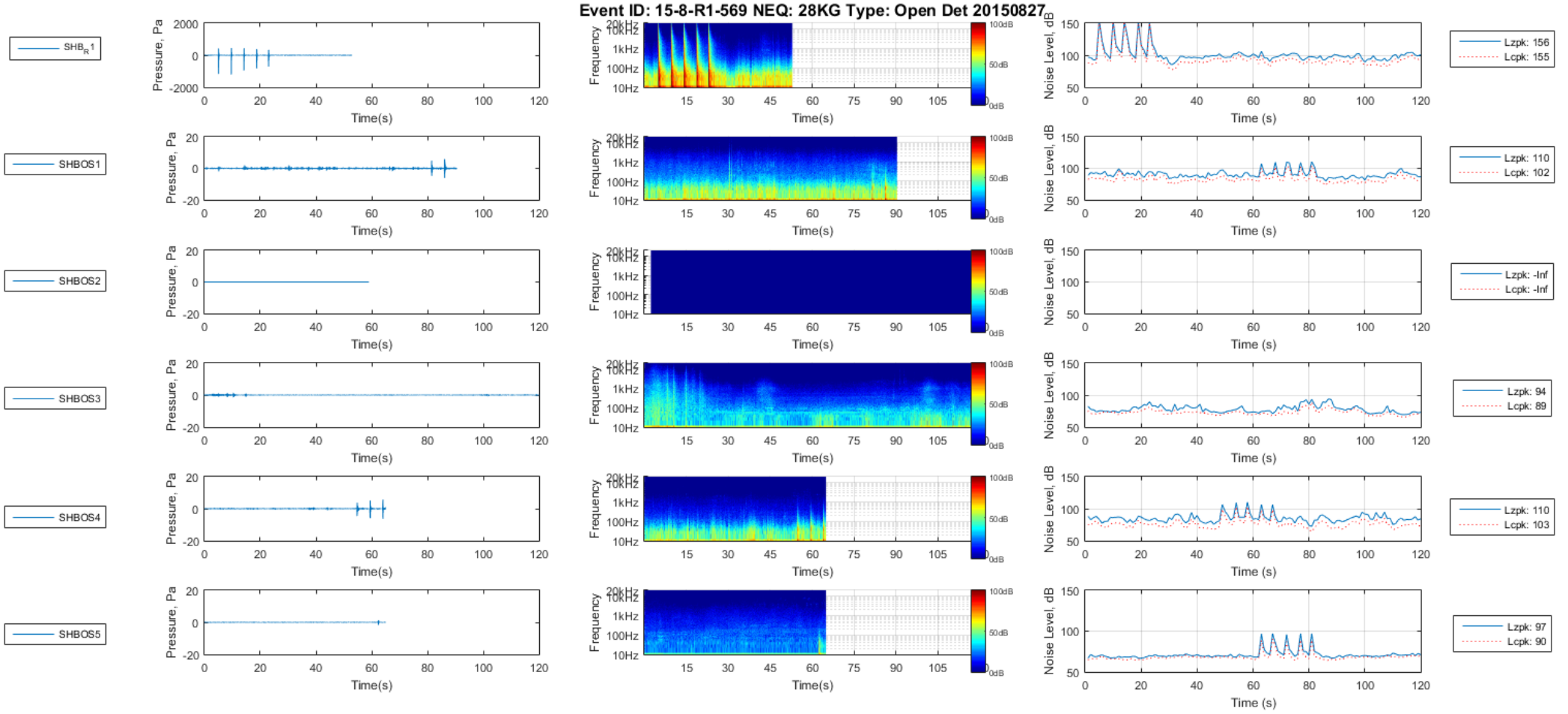


FIGURE 2.776: SHB_OS 1 - 5 15-8-R1-569

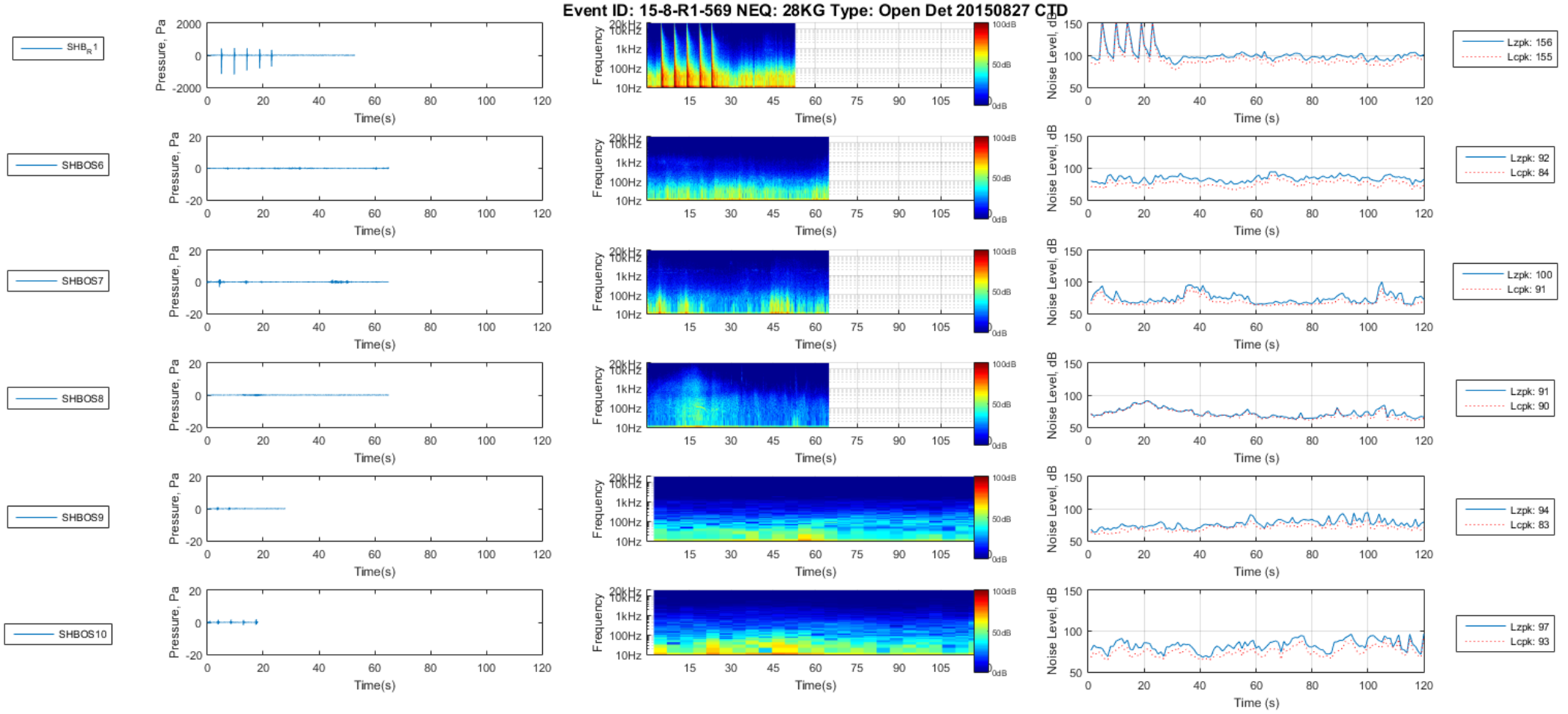


FIGURE 2.777: SHB_OS 6 - 10 15-8-R1-569

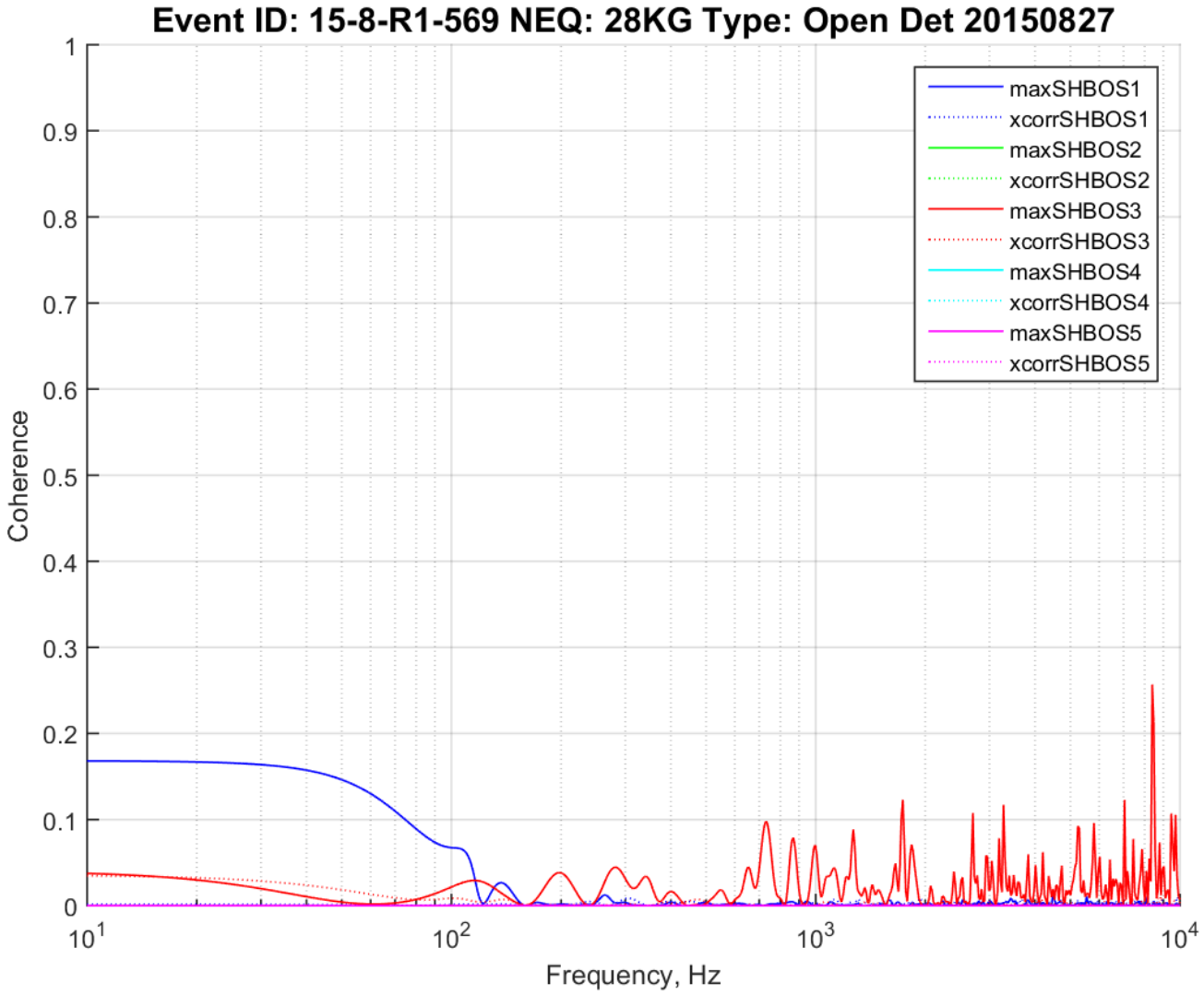


FIGURE 2.778: COHERENCE SHB_OS 1 - 5 15-8-R1-569

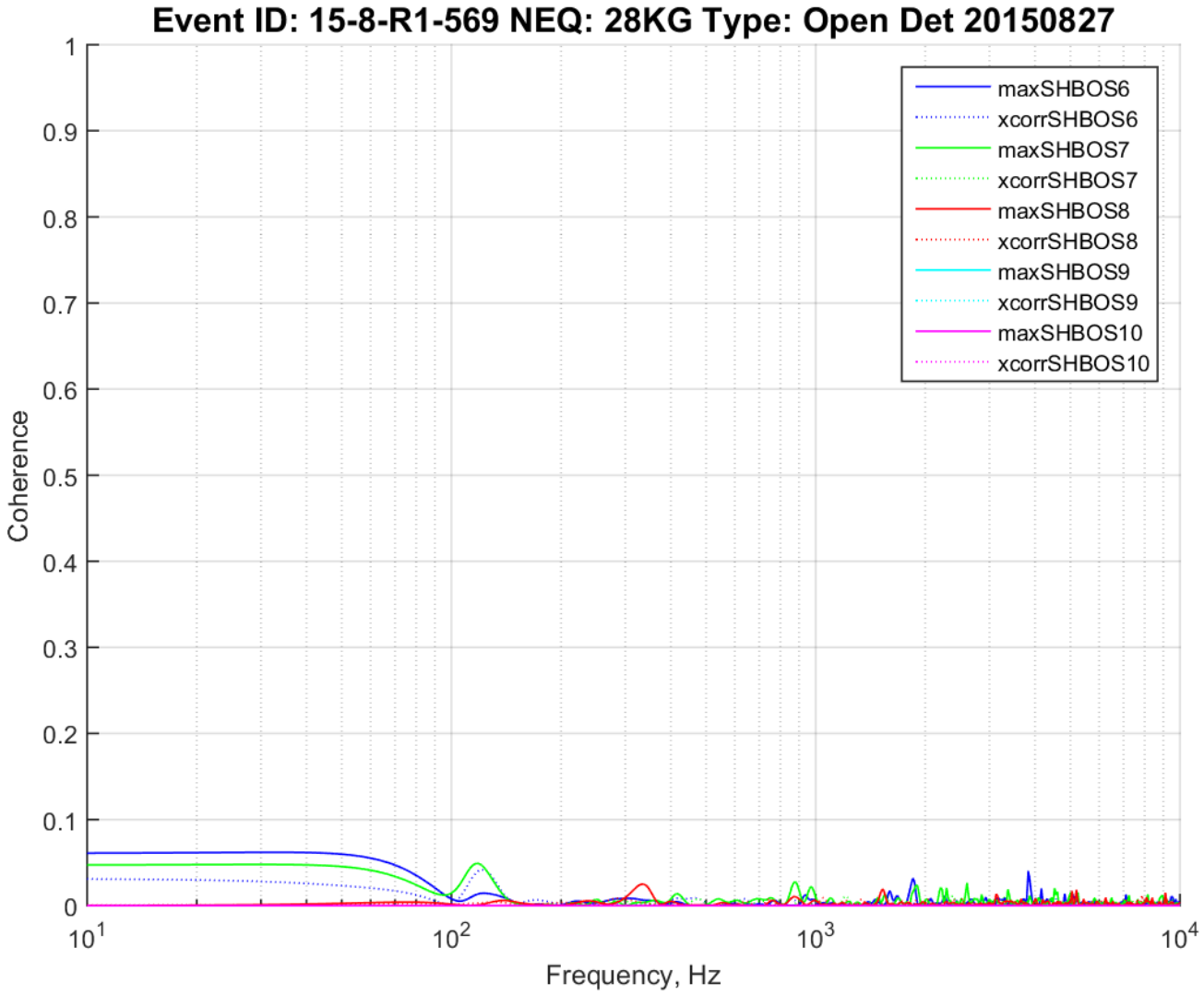


FIGURE 2.779: COHERENCE SHB_OS 6 - 10 15-8-R1-569CTD

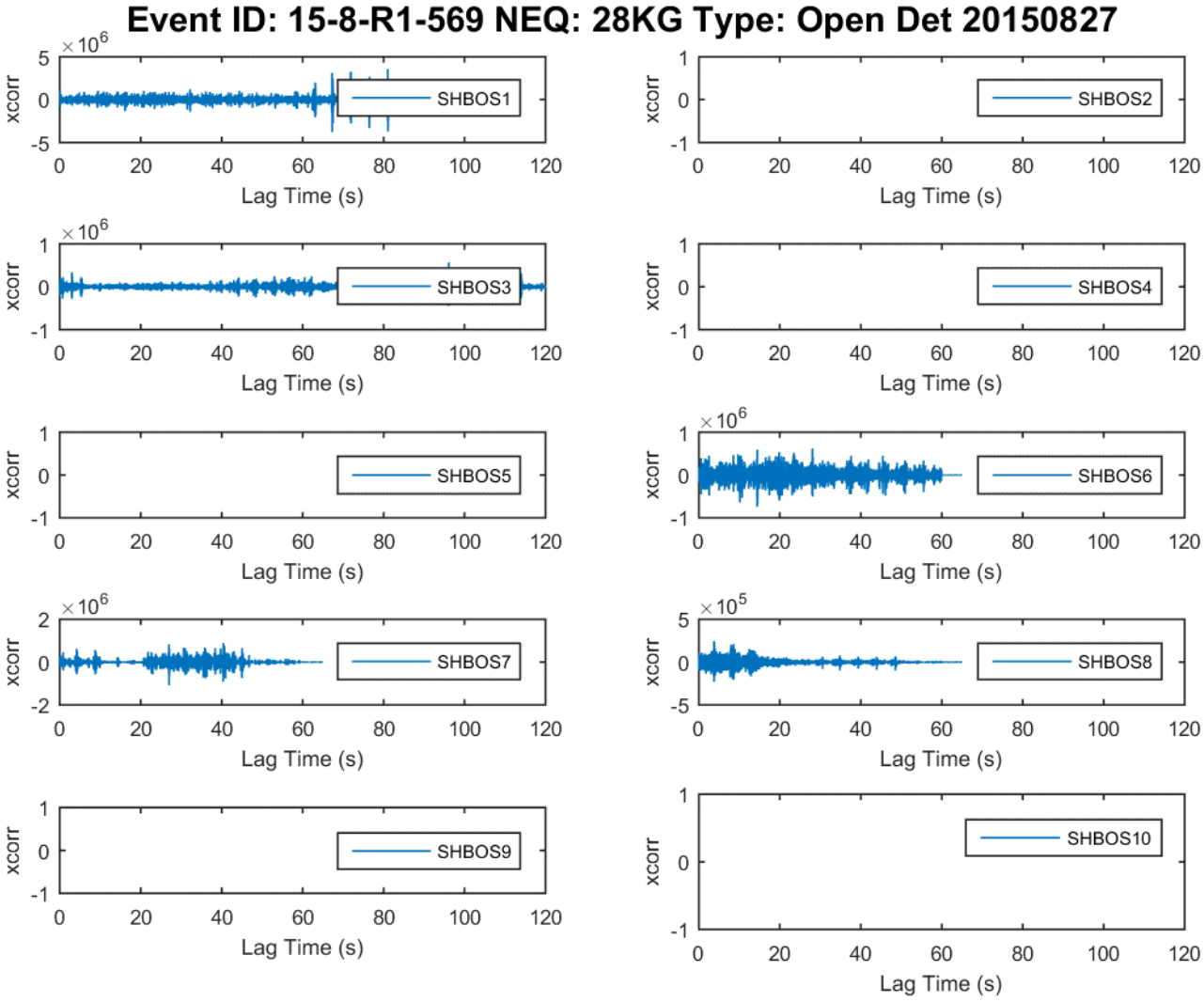


FIGURE 2.780: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-569

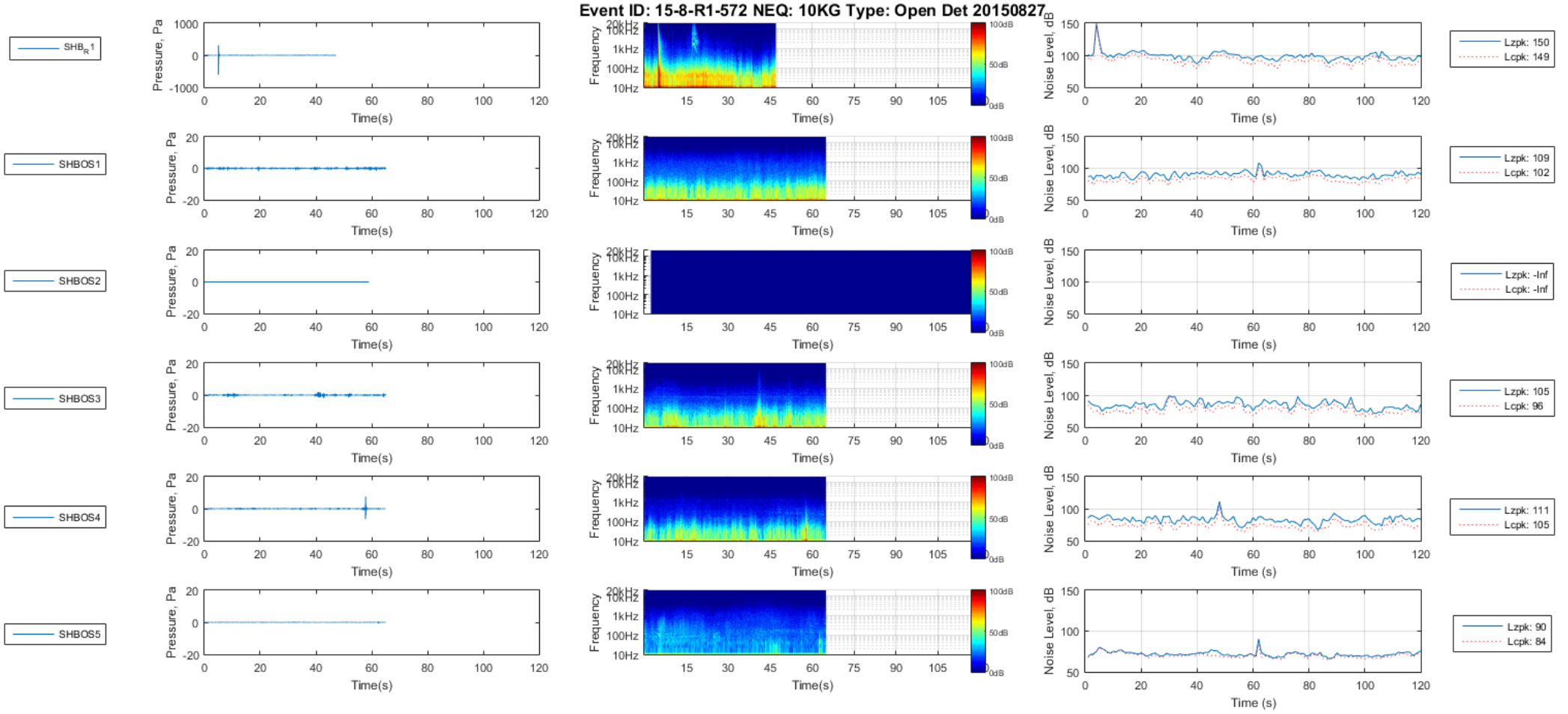


FIGURE 2.781: SHB_OS 1 - 5 15-8-R1-572

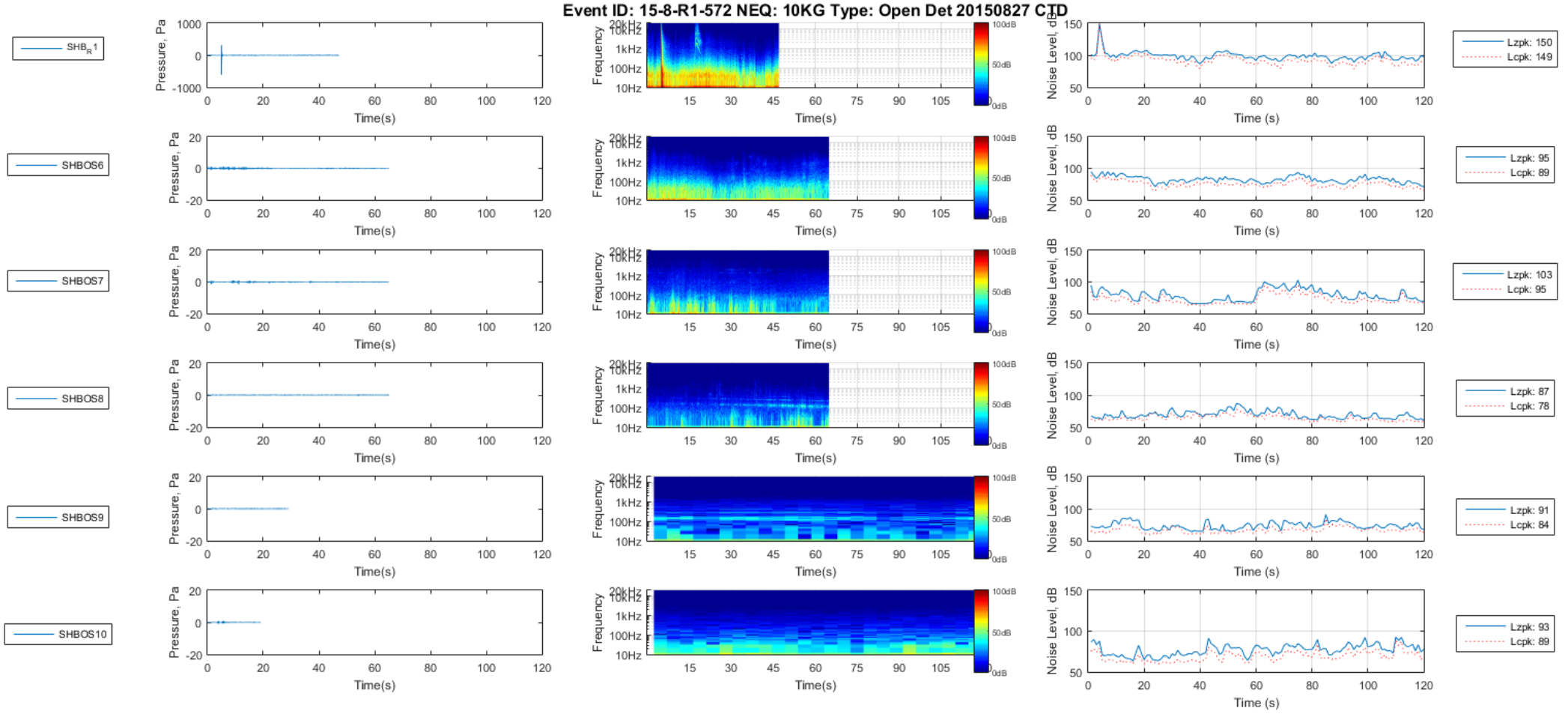


FIGURE 2.782: SHB_OS 6 - 10 15-8-R1-572

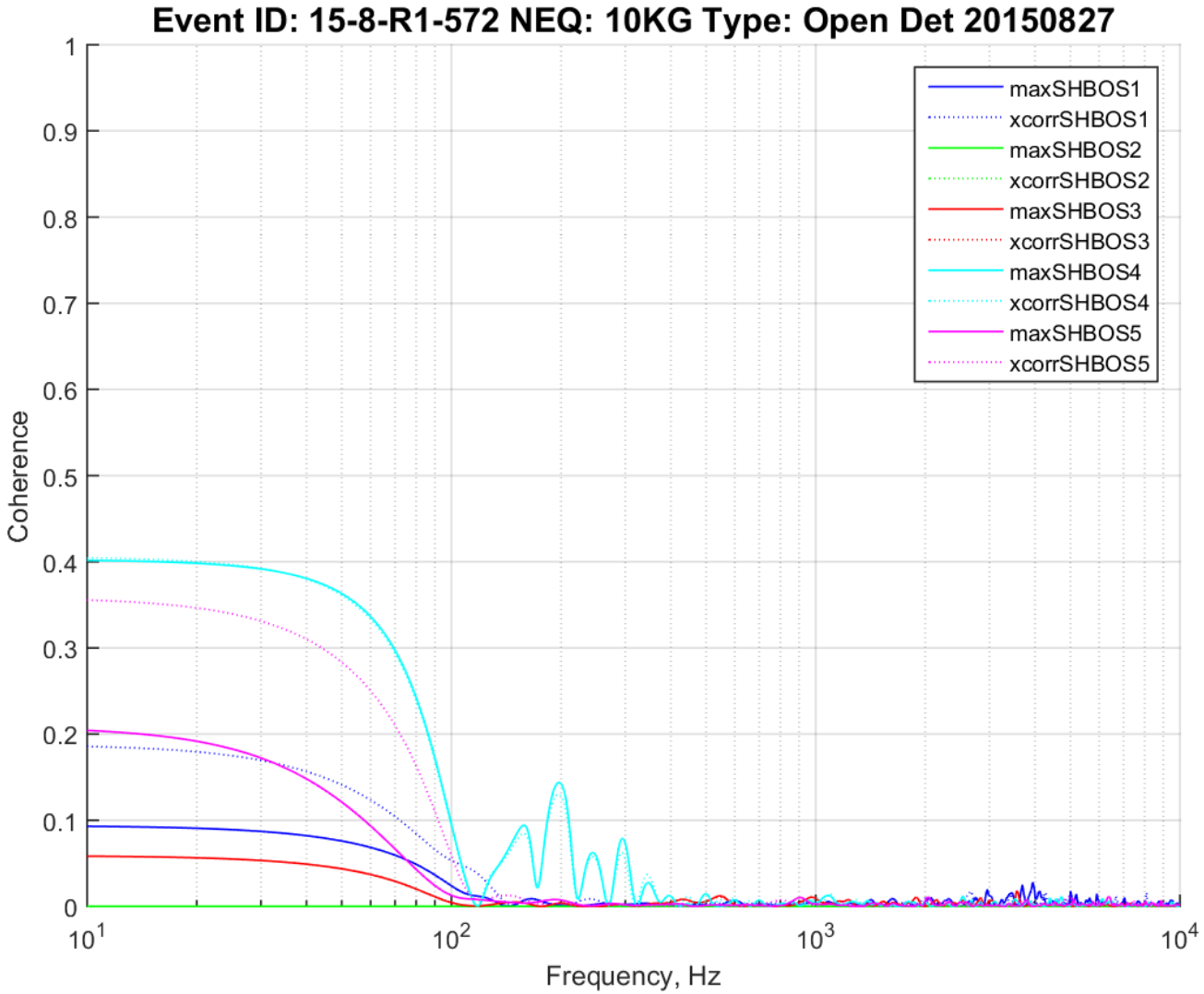


FIGURE 2.783: COHERENCE SHB_OS 1 - 5 15-8-R1-572

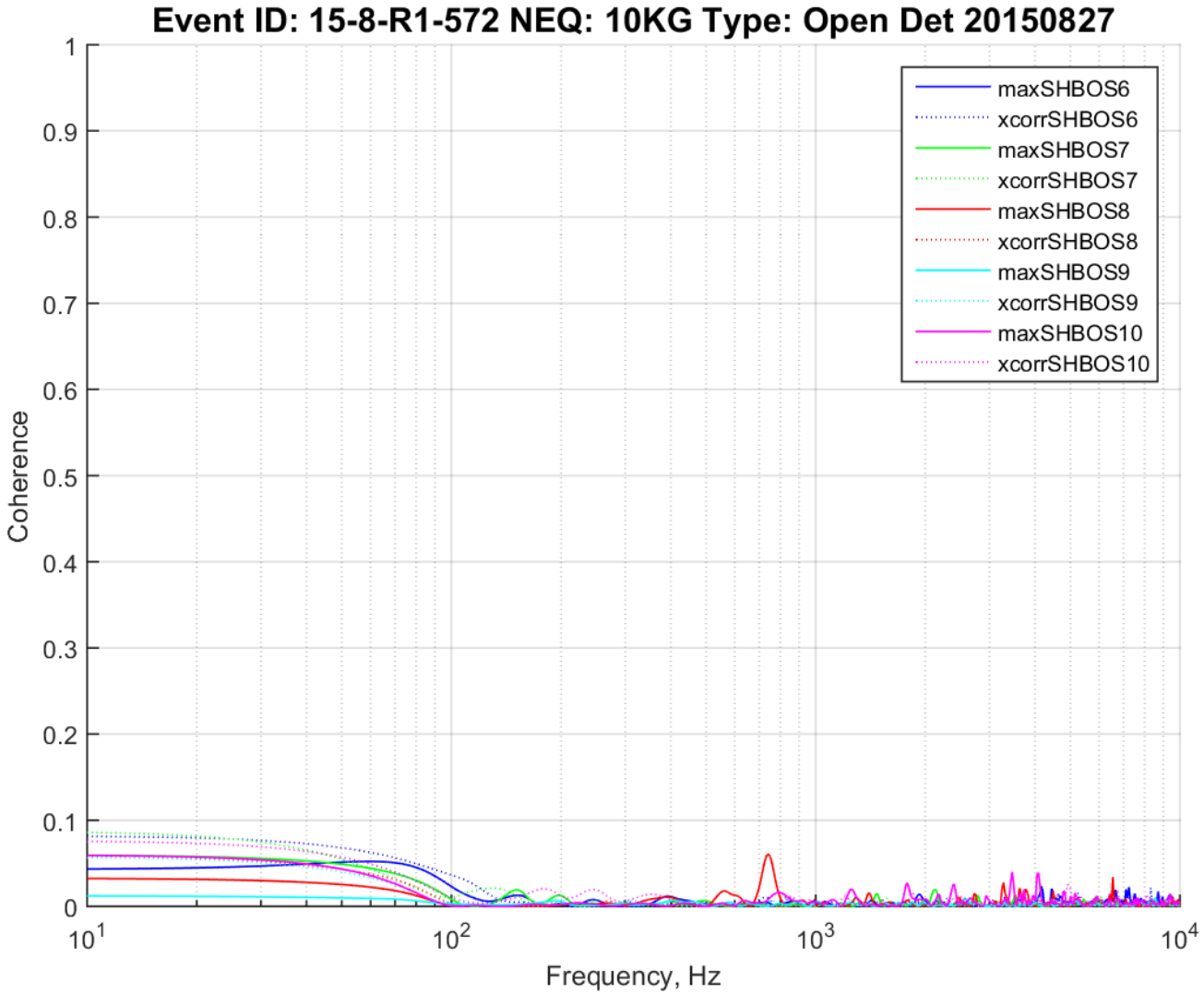


FIGURE 2.784: COHERENCE SHB_OS 6 - 10 15-8-R1-572CTD

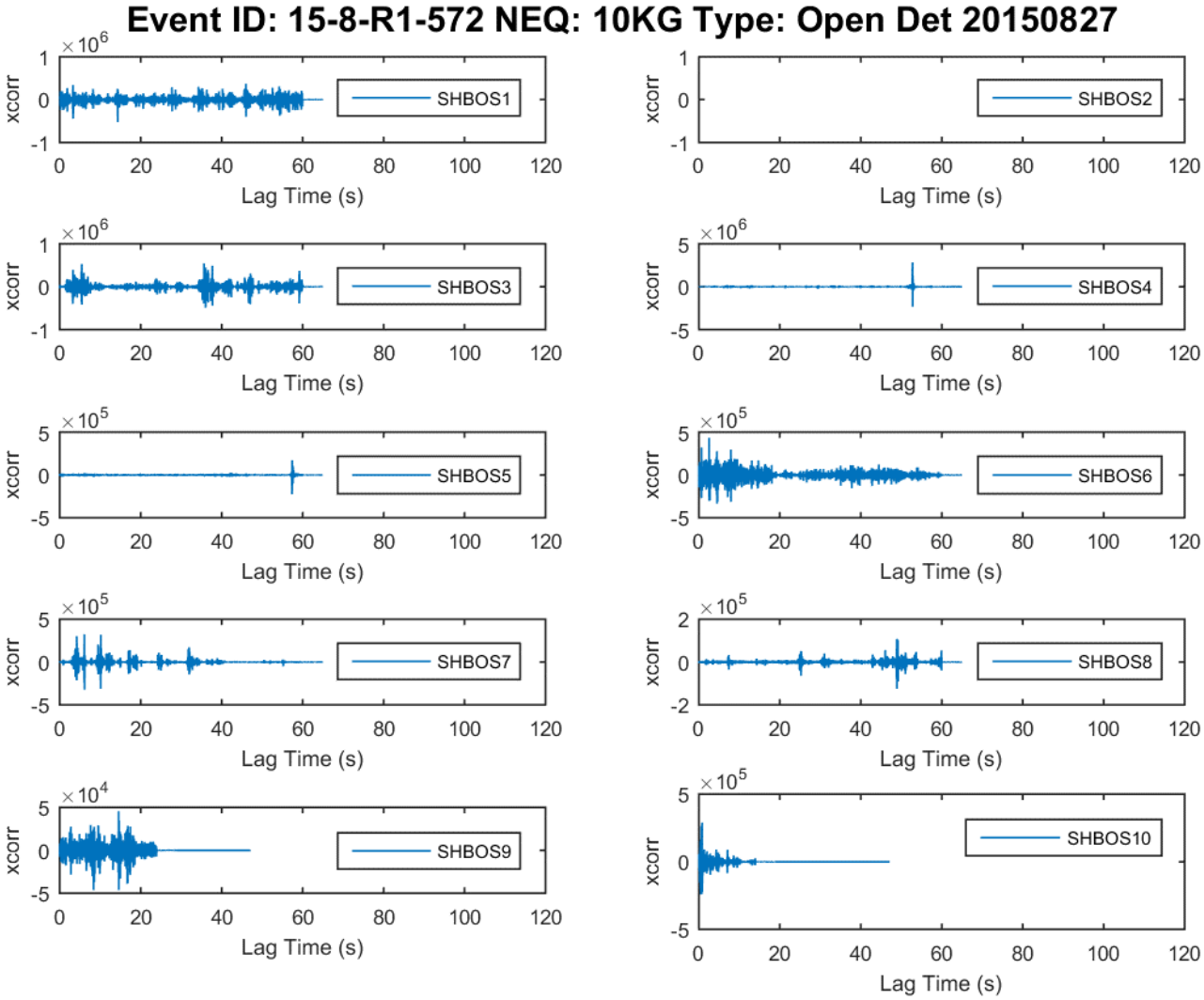
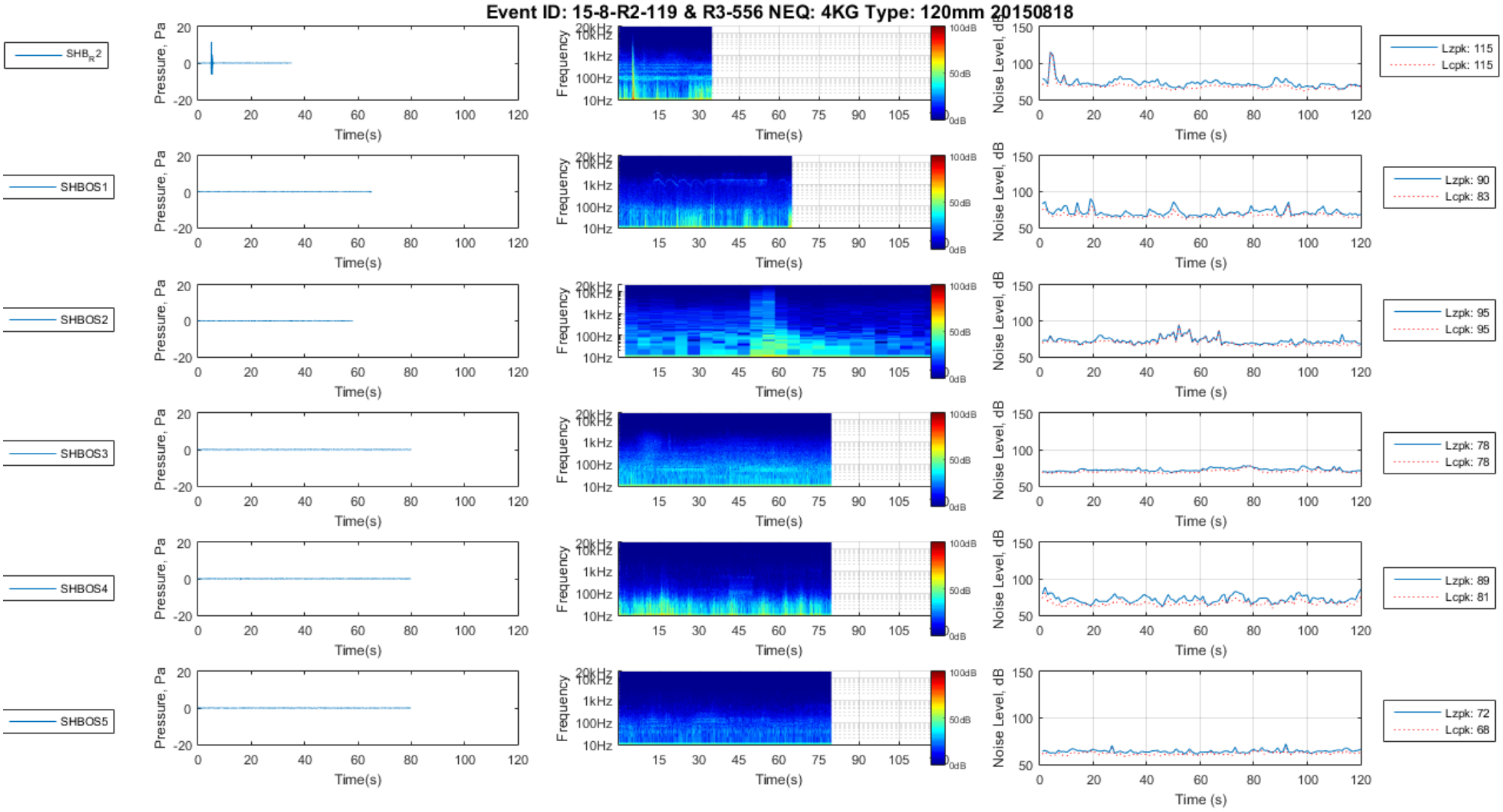
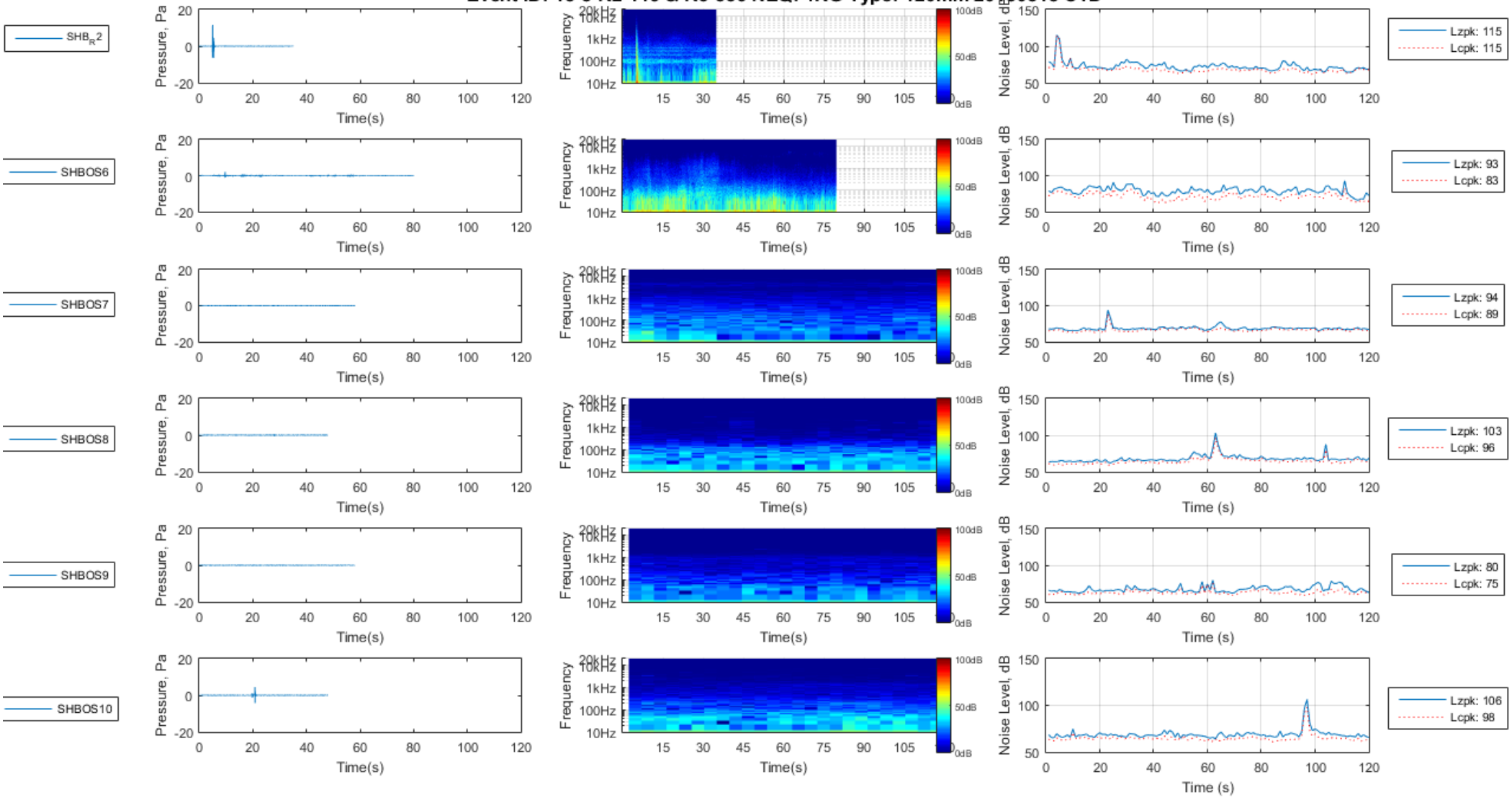


FIGURE 2.785: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-572


Event ID: 15-8-R2-119 & R3-556 NEQ: 4KG Type: 120mm 20150818
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 115
Lcpk: 115
Lzpk: 90
Lcpk: 83
Lzpk: 95
Lcpk: 95
Lzpk: 78
Lcpk: 78
Lzpk: 89
Lcpk: 81
Lzpk: 72
Lcpk: 68


Event ID: 15-8-R2-119 & R3-556 NEQ: 4KG Type: 120mm 20150818 CTD
SHB$_R$2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 115
Lcpk: 115
Lzpk: 93
Lcpk: 83
Lzpk: 94
Lcpk: 89
Lzpk: 103
Lcpk: 96
Lzpk: 80
Lcpk: 75
Lzpk: 106
Lcpk: 98

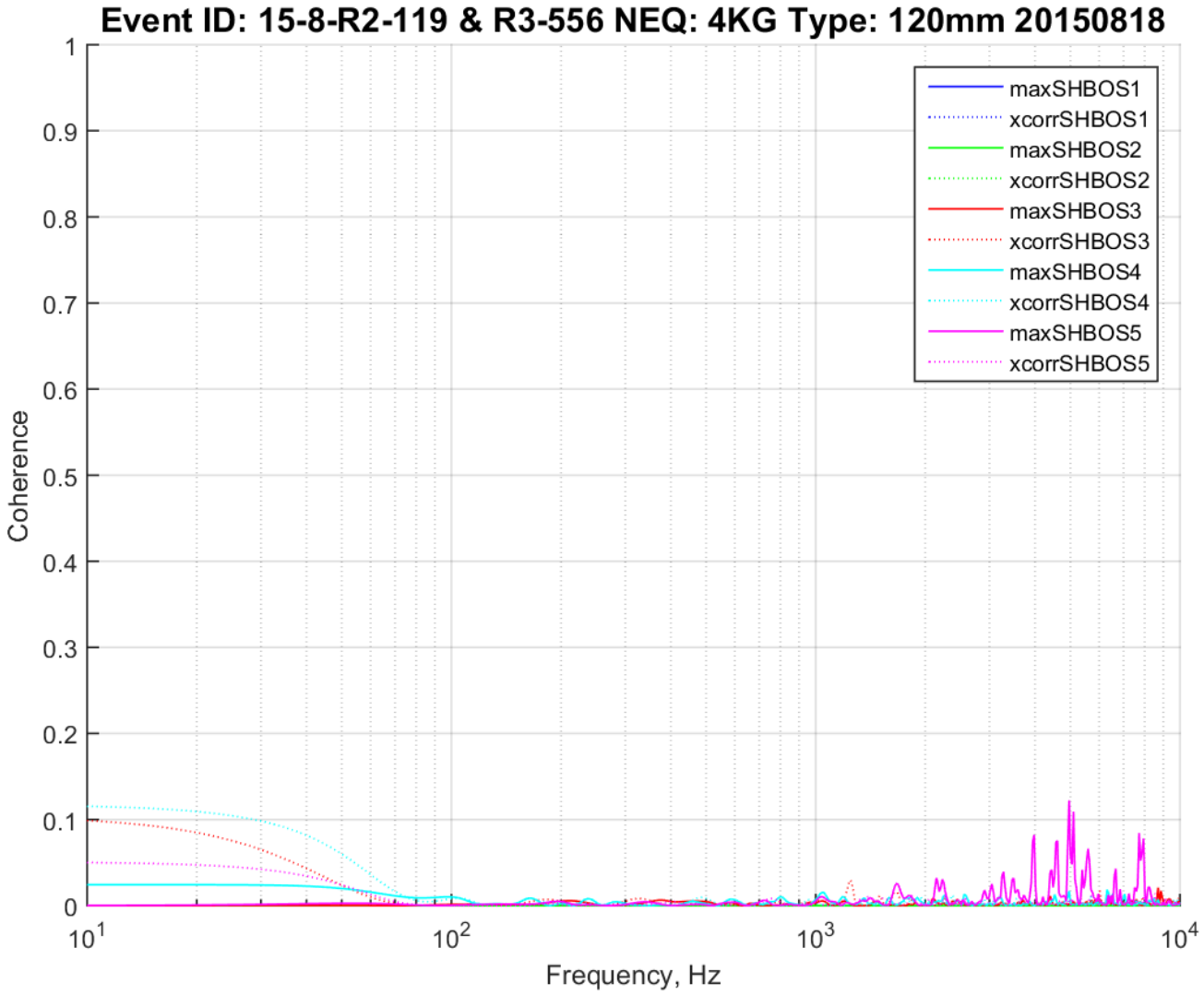


FIGURE 2.788: COHERENCE SHB_OS 1 - 5 15-8-R2-119 & R3-556

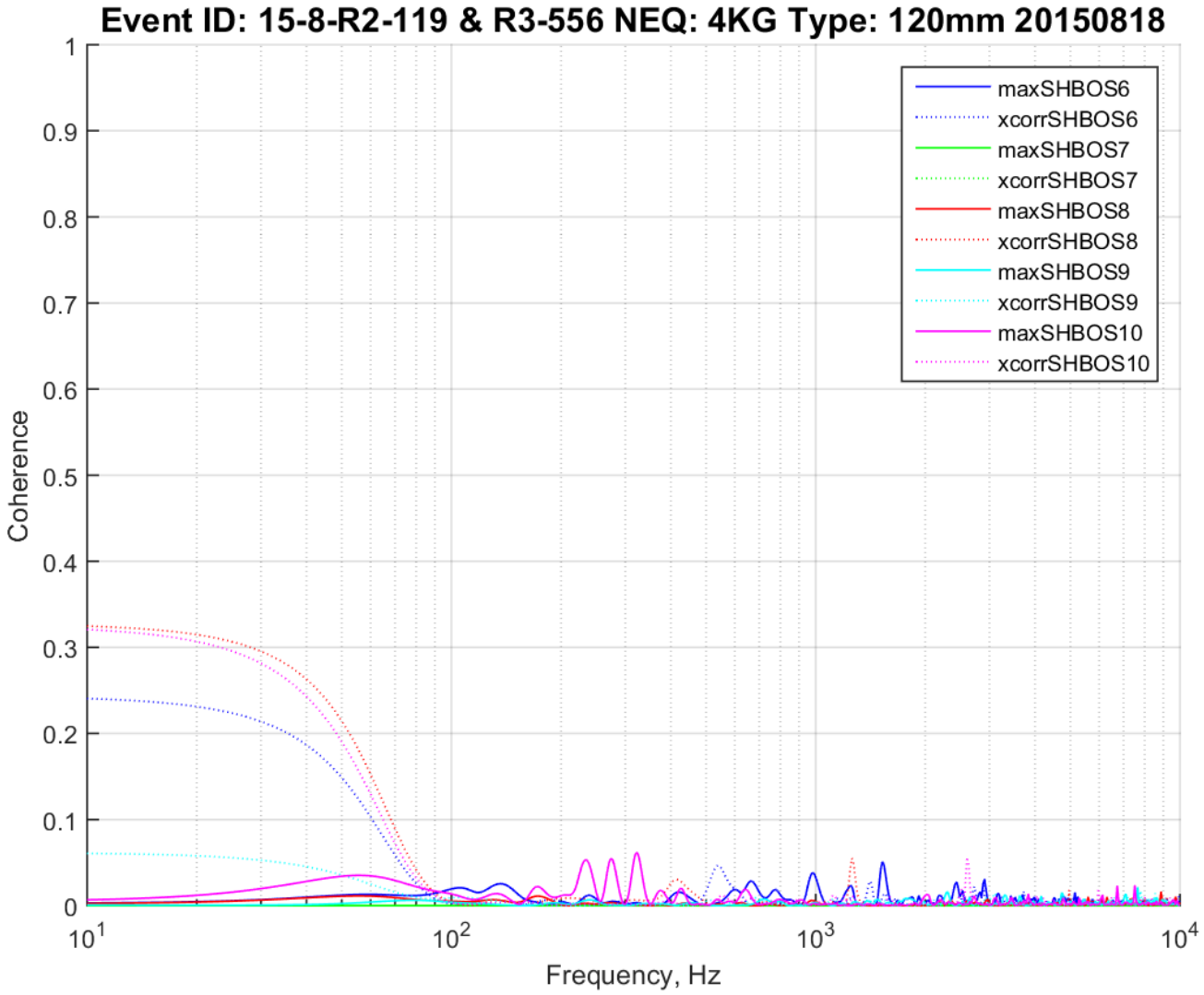


FIGURE 2.789: COHERENCE SHB_OS 6 - 10 15-8-R2-119 & R3-556CTD

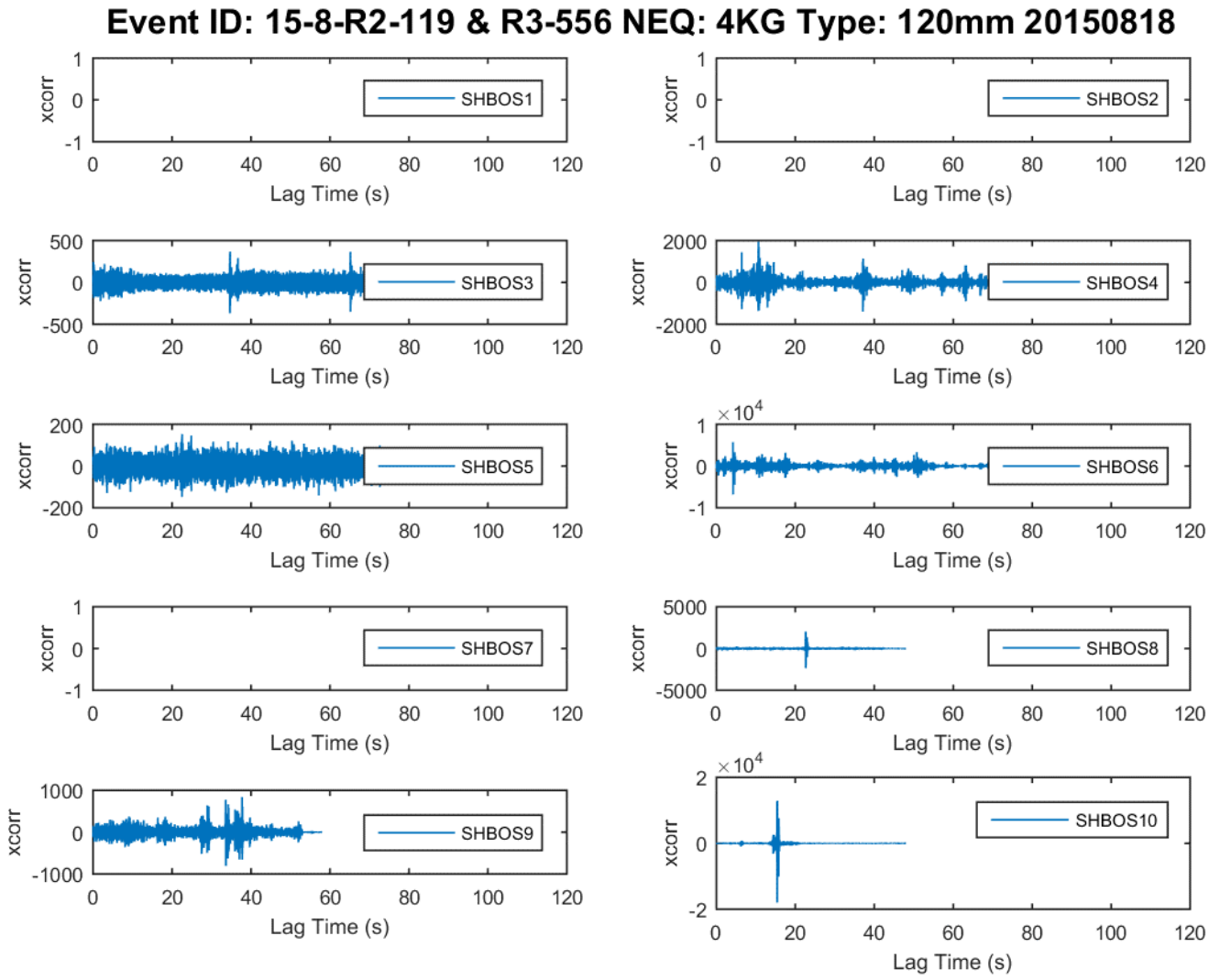
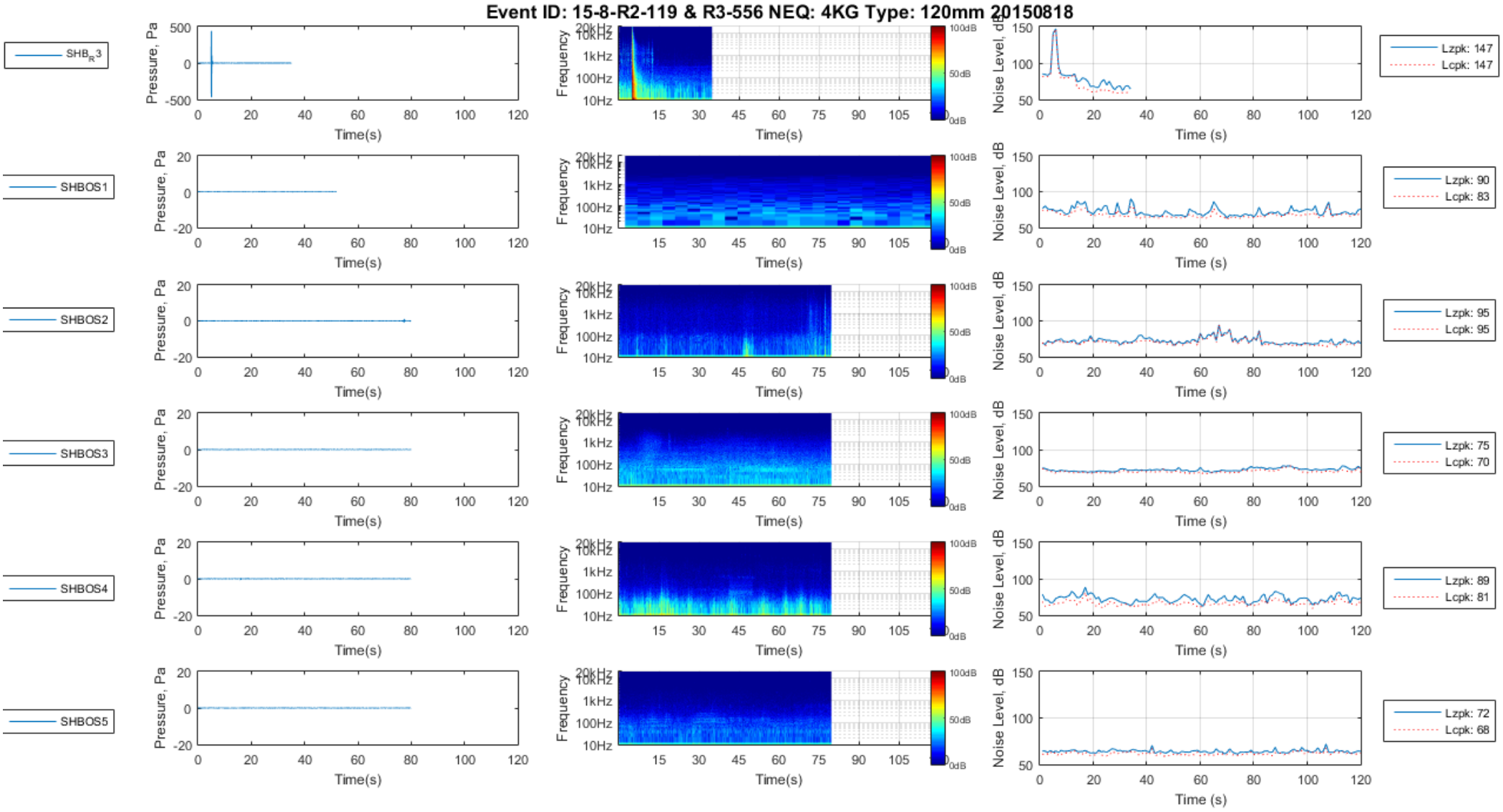
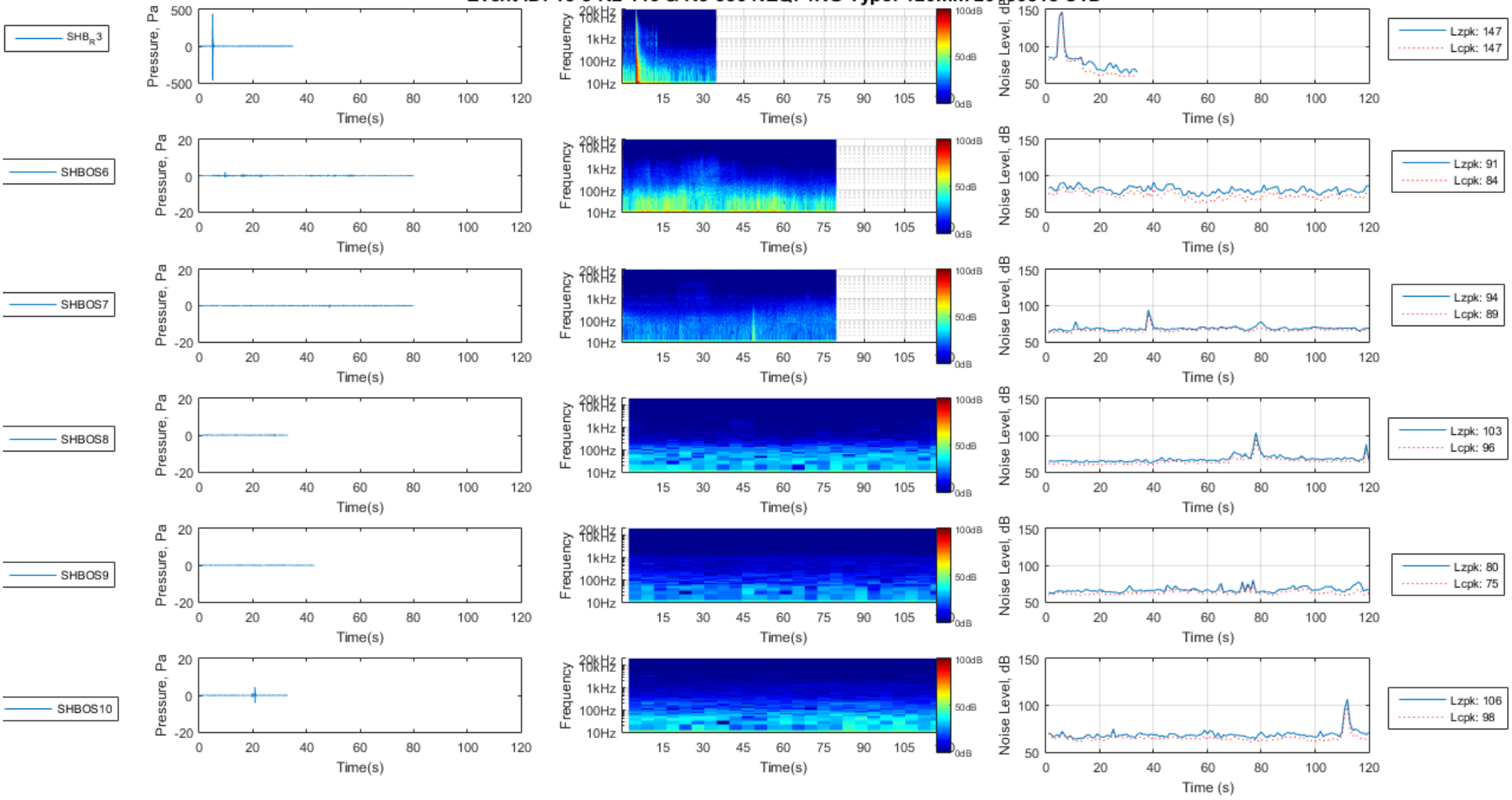


FIGURE 2.790: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-119 & R3-556


Event ID: 15-8-R2-119 & R3-556 NEQ: 4KG Type: 120mm 20150818
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 147
Lcpk: 147
Lzpk: 90
Lcpk: 83
Lzpk: 95
Lcpk: 95
Lzpk: 75
Lcpk: 70
Lzpk: 89
Lcpk: 81
Lzpk: 72
Lcpk: 68


Event ID: 15-8-R2-119 & R3-556 NEQ: 4KG Type: 120mm 20150818 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 147
Lcpk: 147
Lzpk: 91
Lcpk: 84
Lzpk: 94
Lcpk: 89
Lzpk: 103
Lcpk: 96
Lzpk: 80
Lcpk: 75
Lzpk: 106
Lcpk: 98

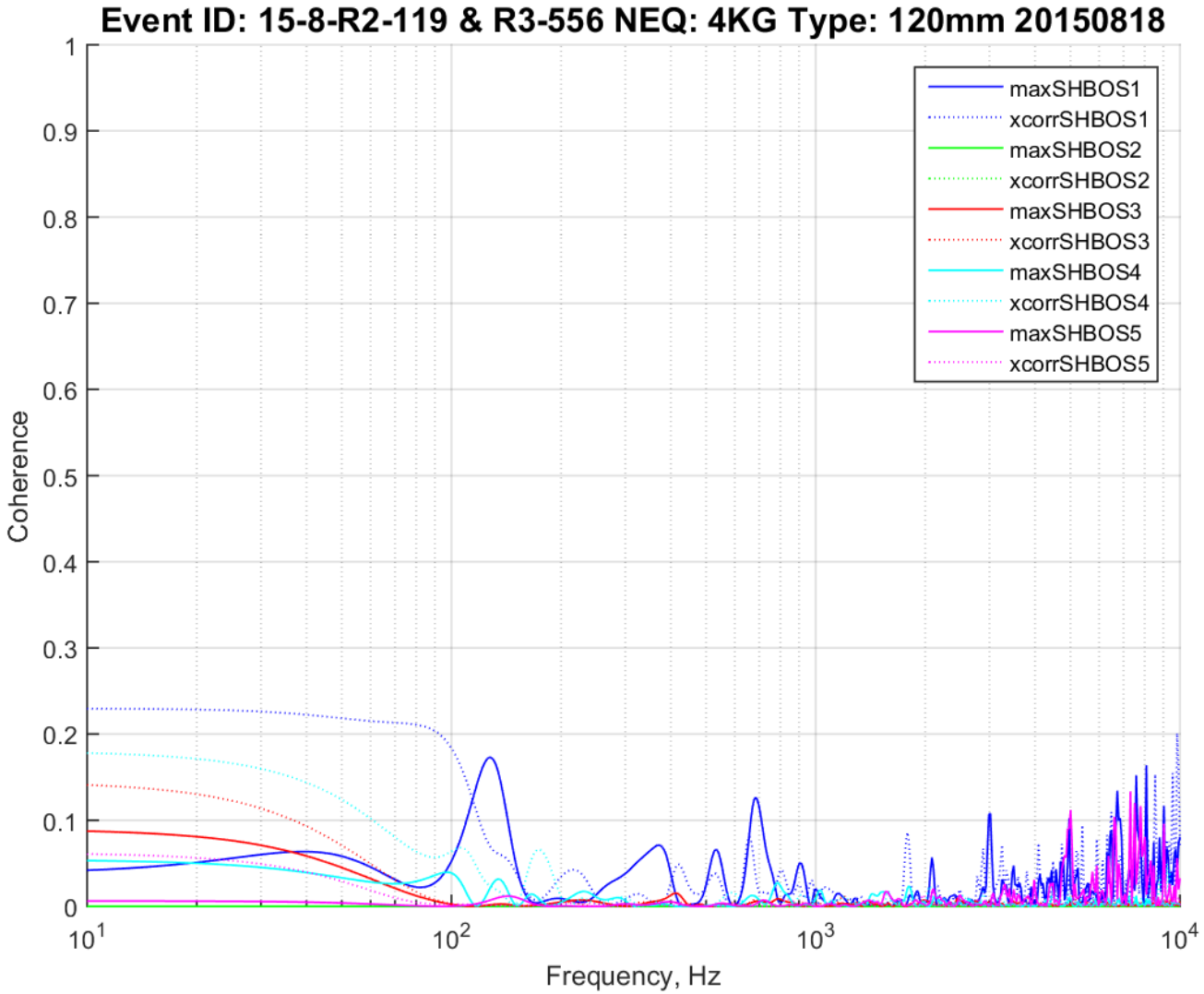


FIGURE 2.793: COHERENCE SHB_OS 1 - 5 15-8-R2-119 & R3-556

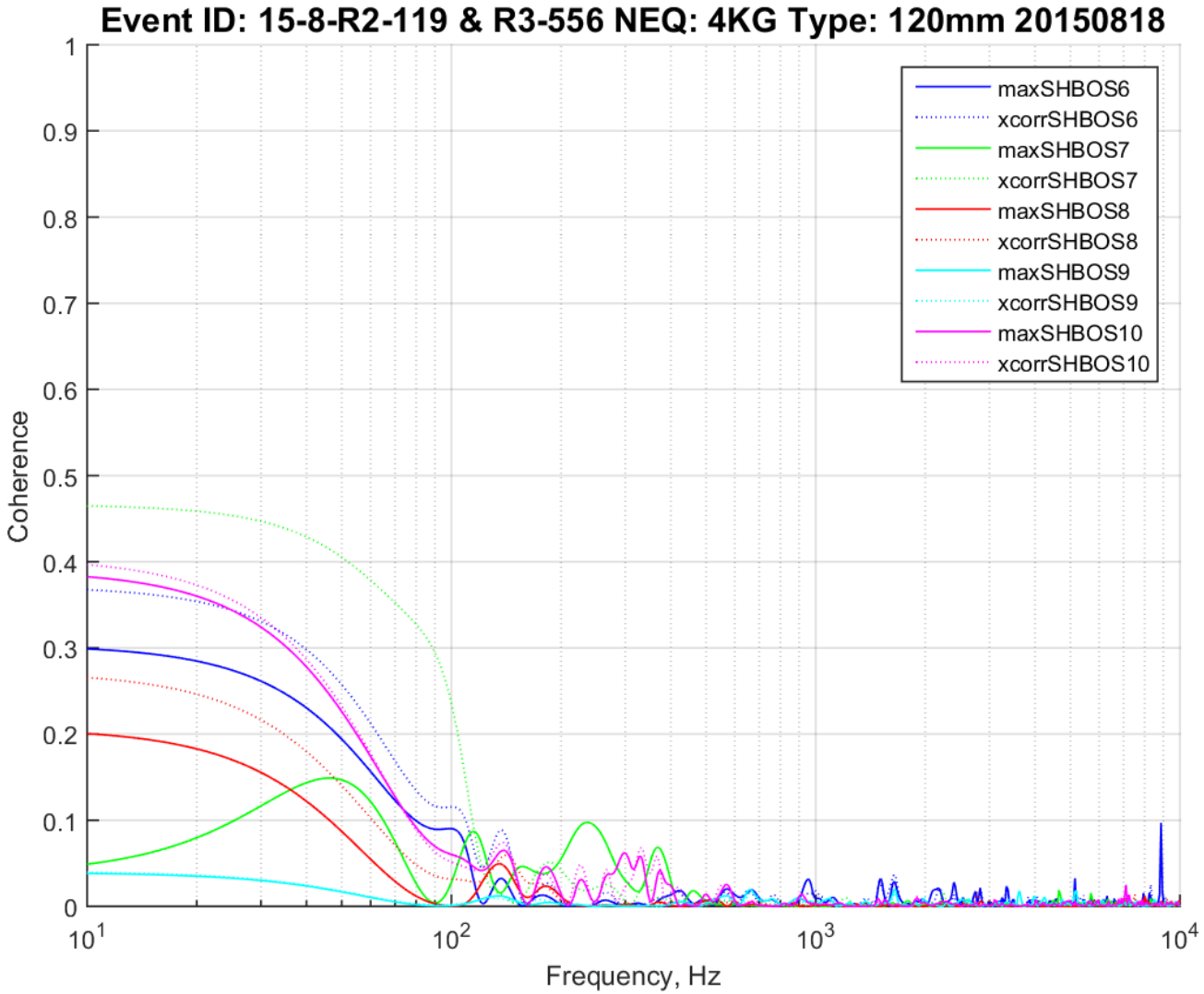


FIGURE 2.794: COHERENCE SHB_OS 6 - 10 15-8-R2-119 & R3-556CTD

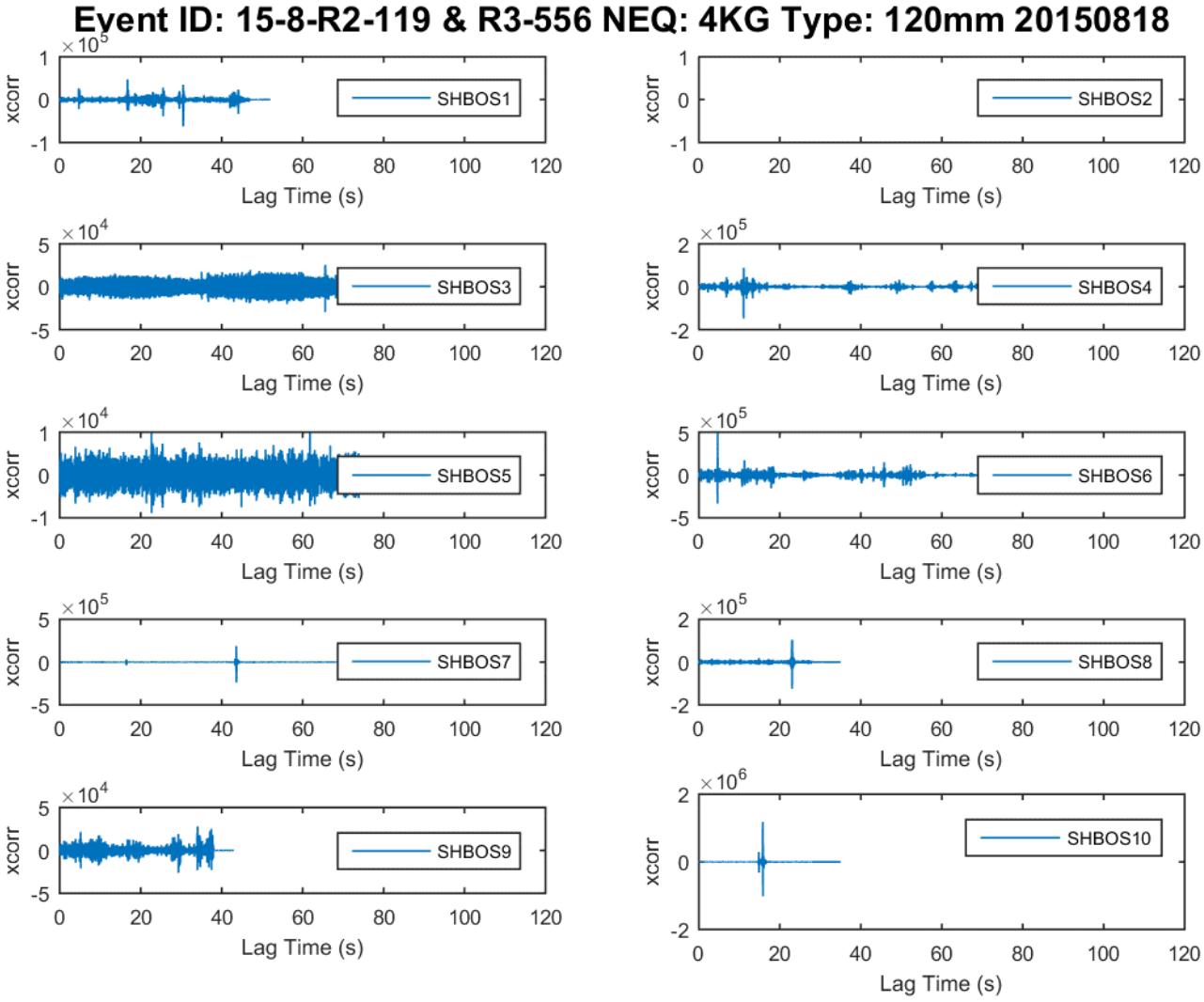
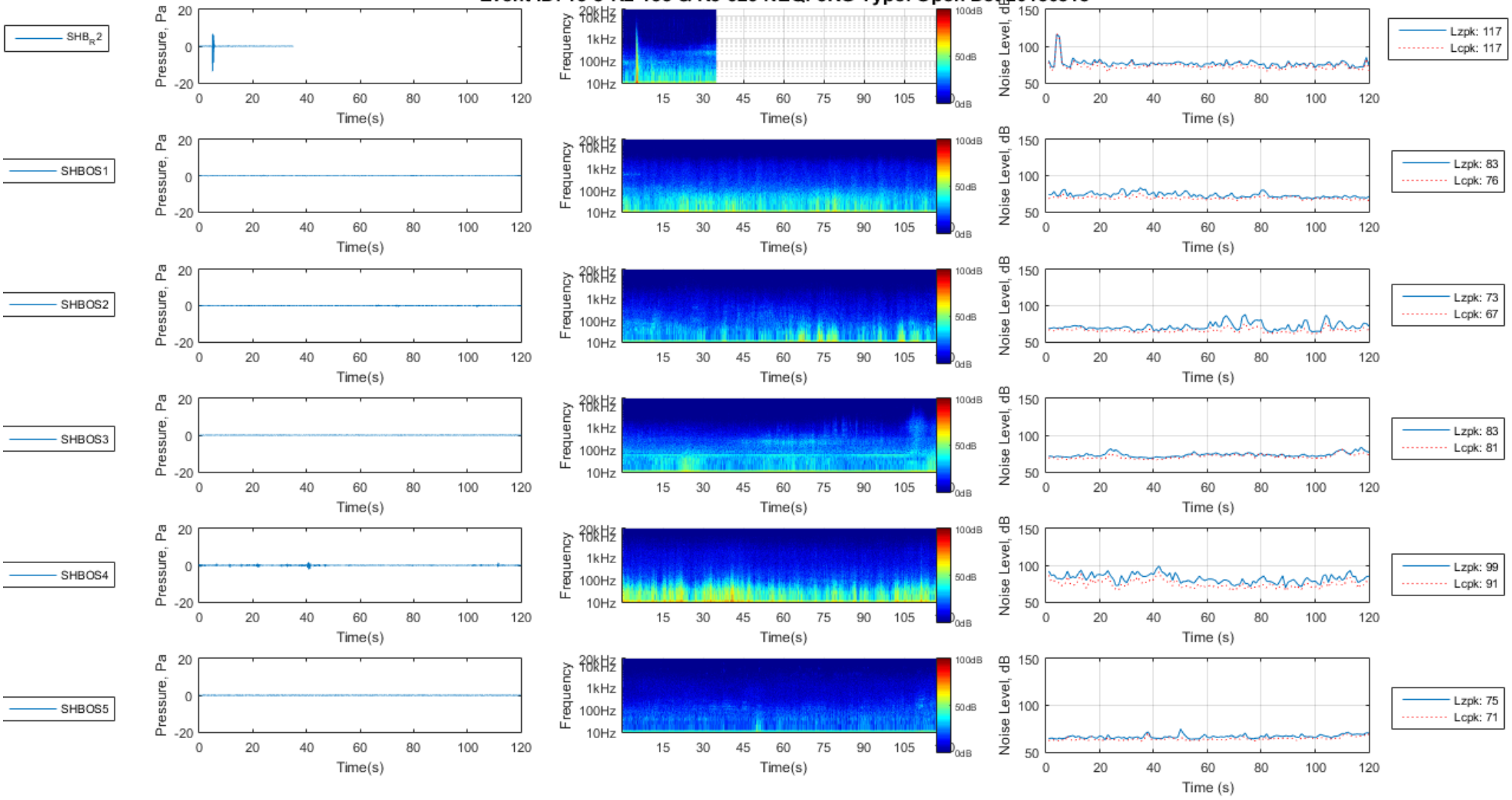
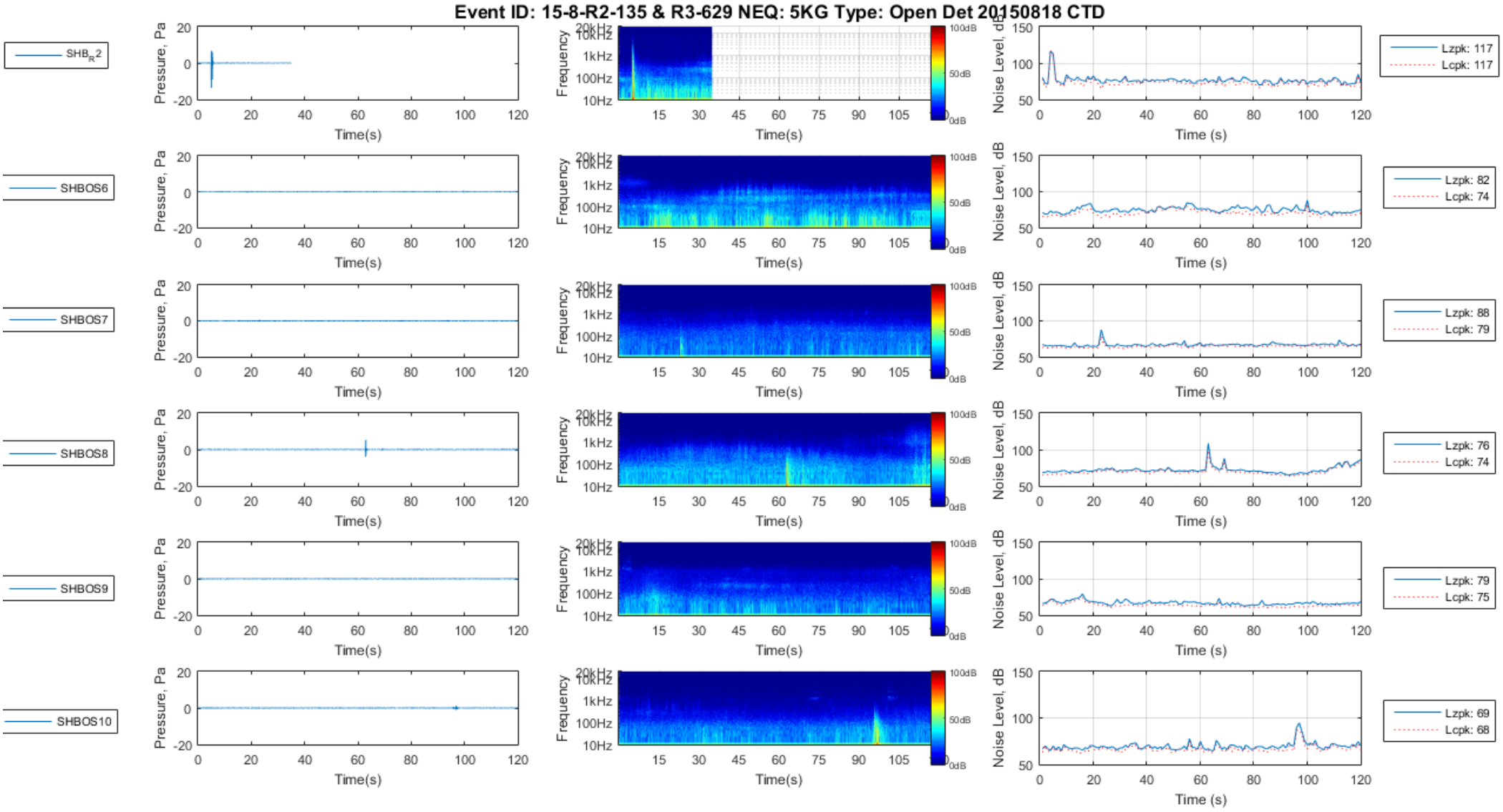


FIGURE 2.795: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-119 & R3-556


Event ID: 15-8-R2-135 & R3-629 NEQ: 5KG Type: Open Det 20150818
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 117
Lcpk: 117
Lzpk: 83
Lcpk: 76
Lzpk: 73
Lcpk: 67
Lzpk: 83
Lcpk: 81
Lzpk: 99
Lcpk: 91
Lzpk: 75
Lcpk: 71


Event ID: 15-8-R2-135 & R3-629 NEQ: 5KG Type: Open Det 20150818 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 117
Lcpk: 117
Lzpk: 82
Lcpk: 74
Lzpk: 88
Lcpk: 79
Lzpk: 76
Lcpk: 74
Lzpk: 79
Lcpk: 75
Lzpk: 69
Lcpk: 68

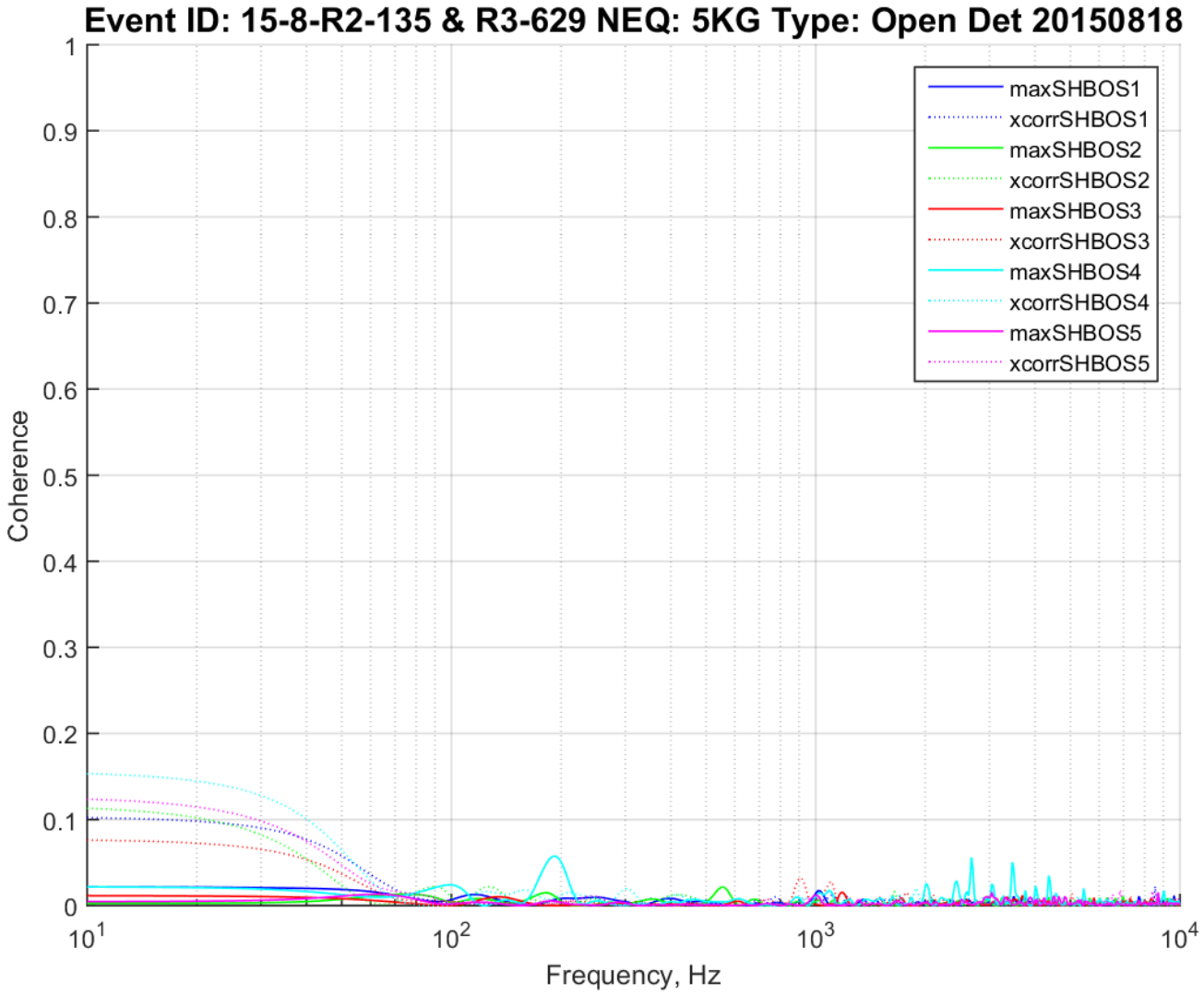


FIGURE 2.798: COHERENCE SHB_OS 1 - 5 15-8-R2-135 & R3-629

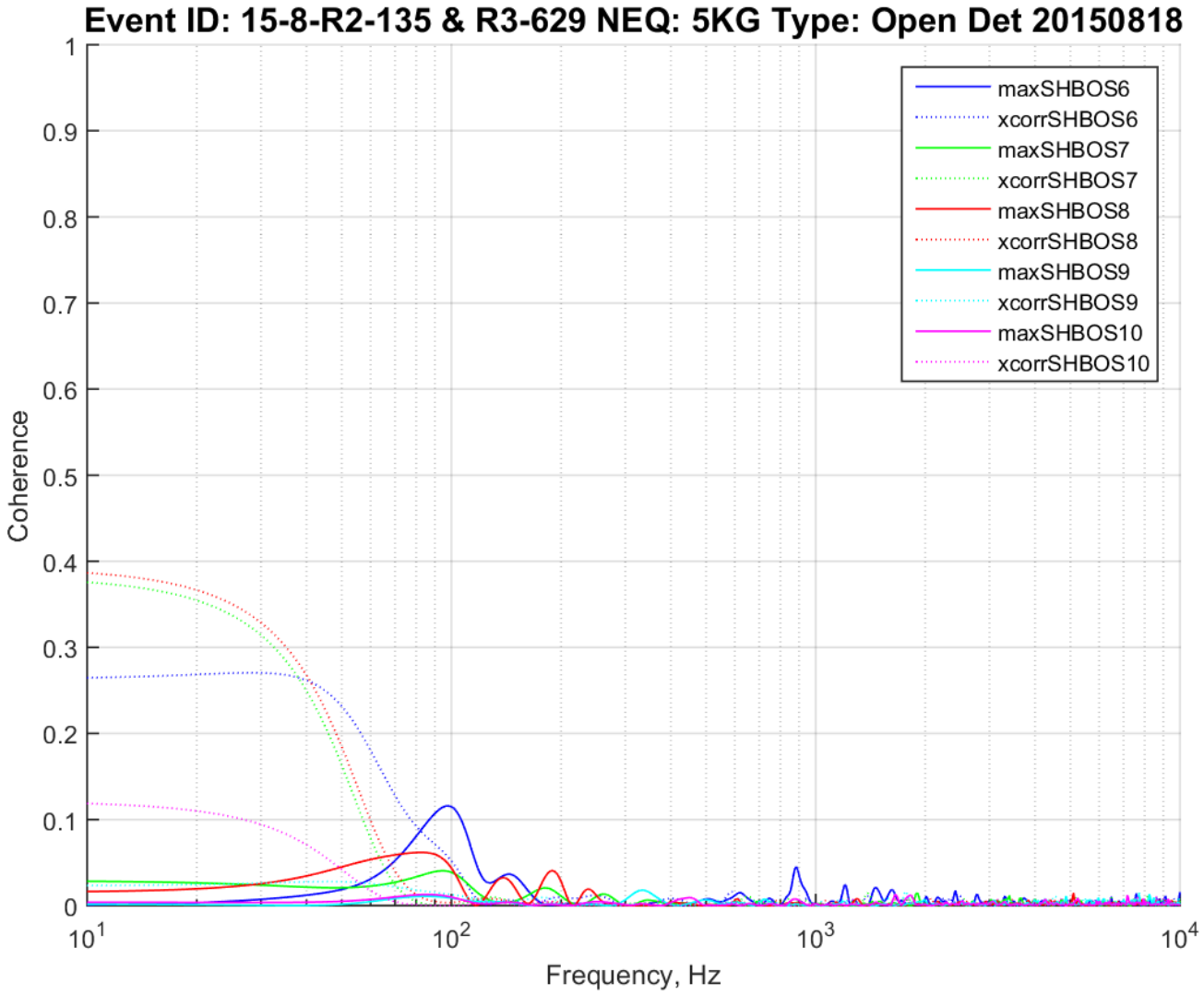


FIGURE 2.799: COHERENCE SHB_OS 6 - 10 15-8-R2-135 & R3-629CTD

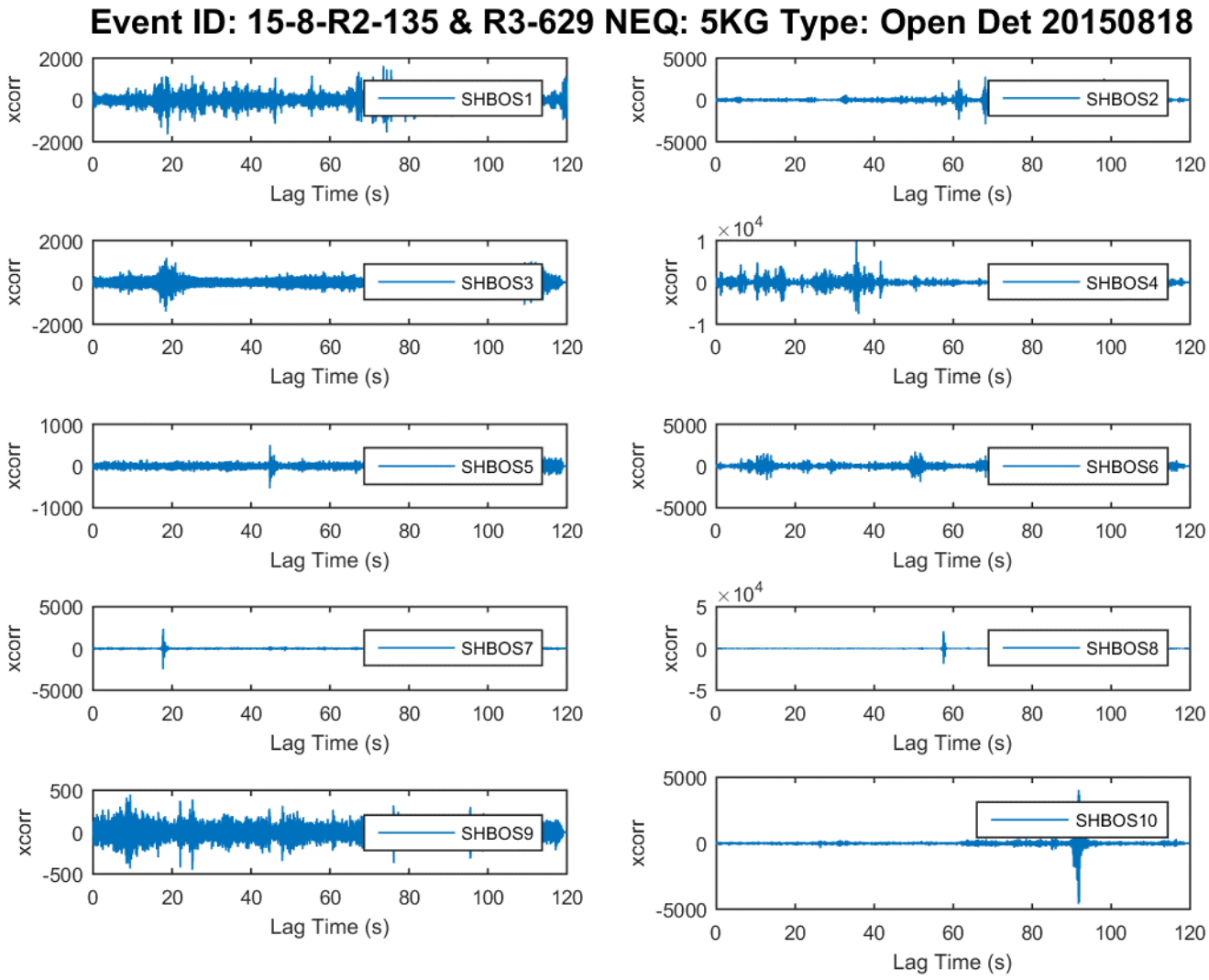
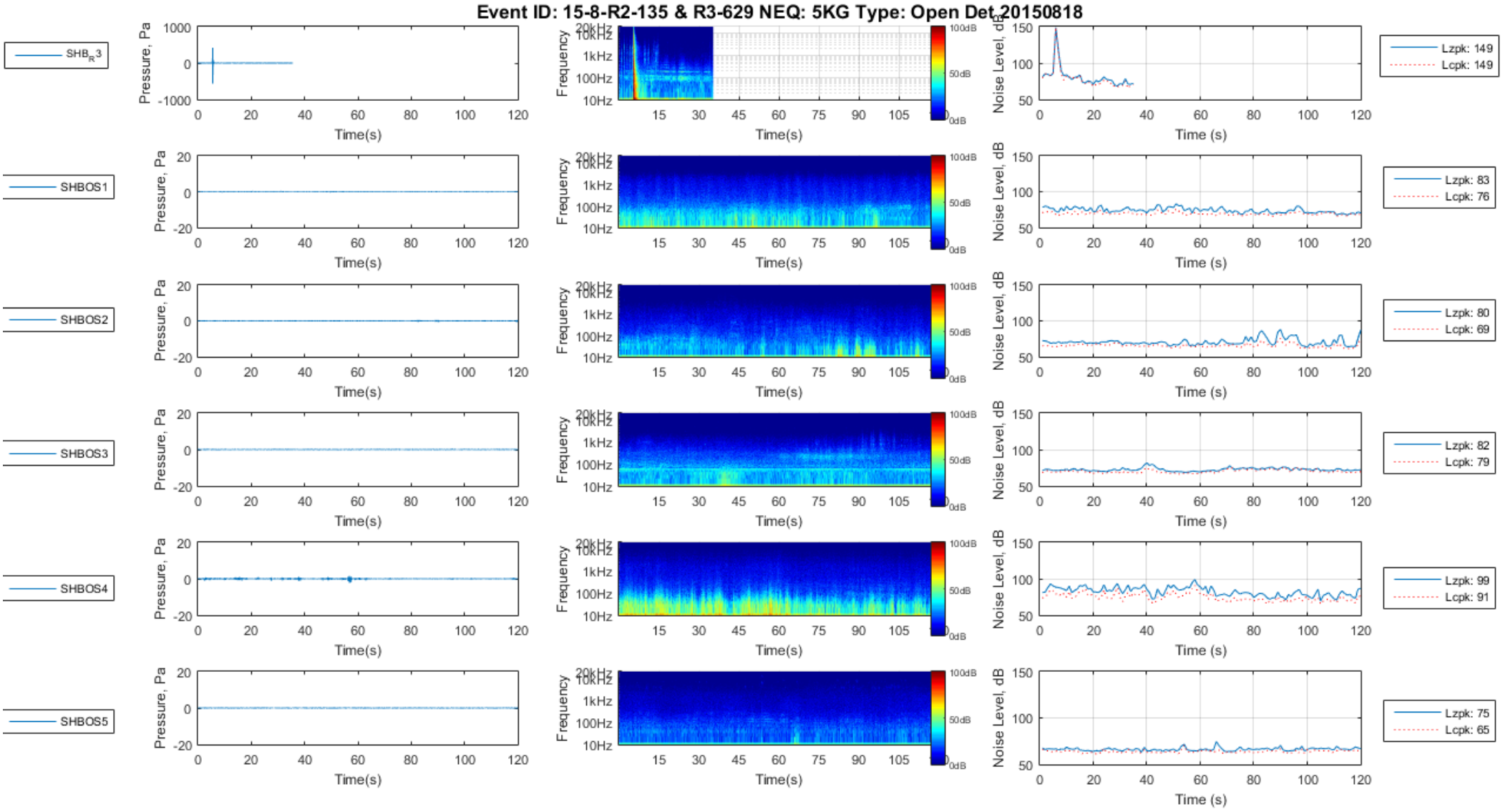
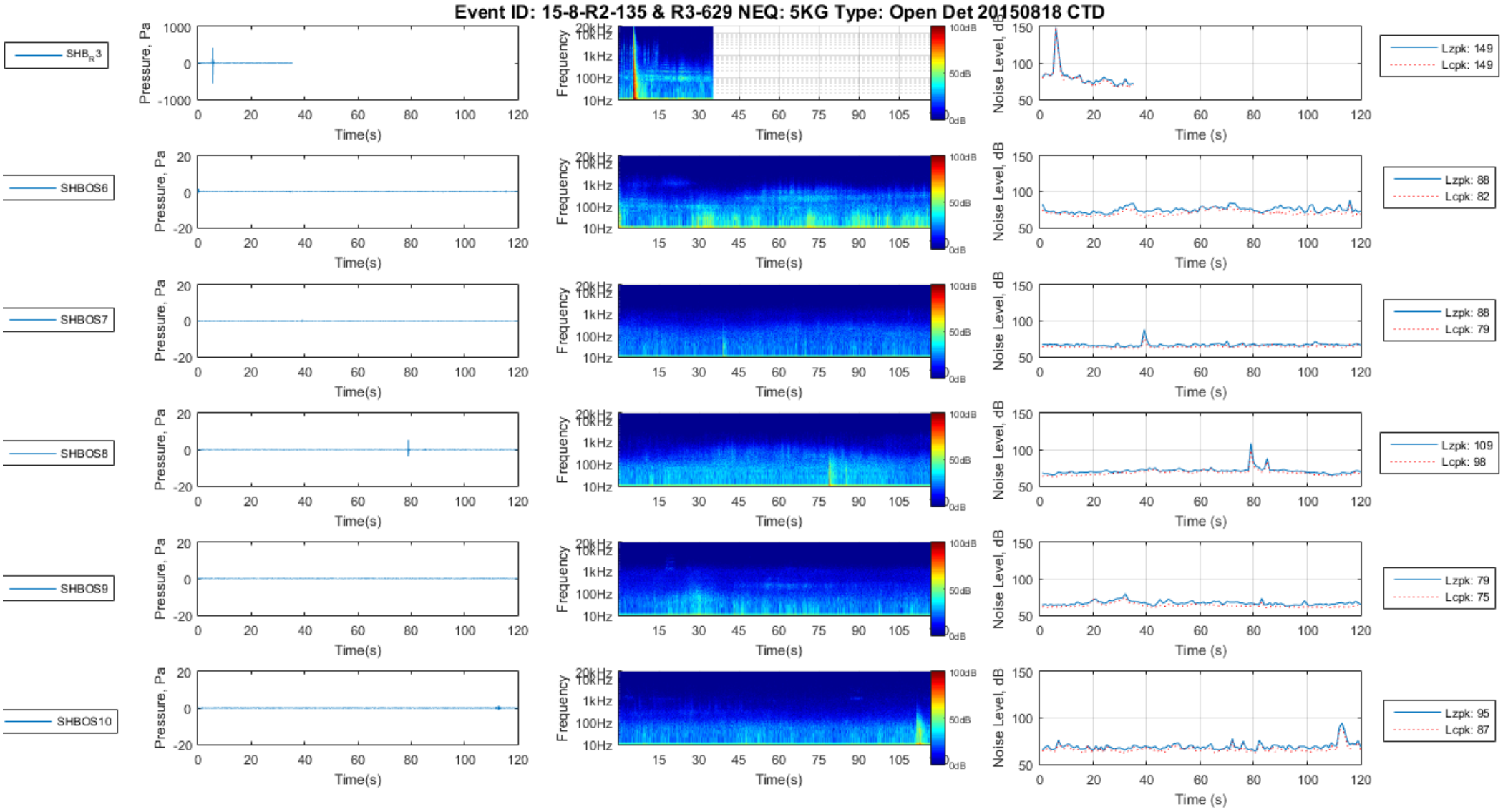


FIGURE 2.800: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-135 & R3-629


Event ID: 15-8-R2-135 & R3-629 NEQ: 5KG Type: Open Det 20150818
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 149
Lcpk: 149
Lzpk: 83
Lcpk: 76
Lzpk: 80
Lcpk: 69
Lzpk: 82
Lcpk: 79
Lzpk: 99
Lcpk: 91
Lzpk: 75
Lcpk: 65


Event ID: 15-8-R2-135 & R3-629 NEQ: 5KG Type: Open Det 20150818 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 149
Lcpk: 149
Lzpk: 88
Lcpk: 82
Lzpk: 88
Lcpk: 79
Lzpk: 109
Lcpk: 98
Lzpk: 79
Lcpk: 75
Lzpk: 95
Lcpk: 87

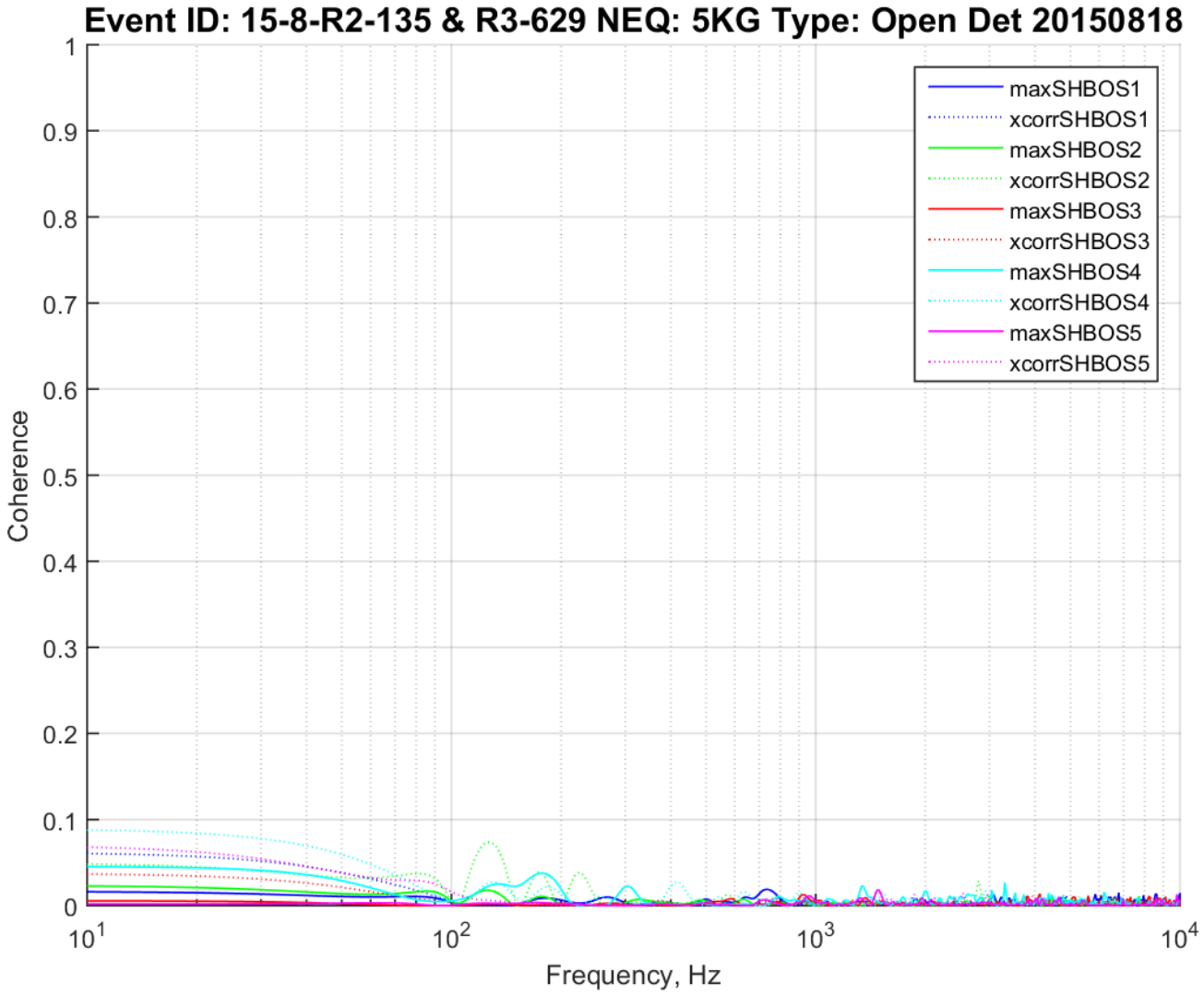


FIGURE 2.803: COHERENCE SHB_OS 1 - 5 15-8-R2-135 & R3-629

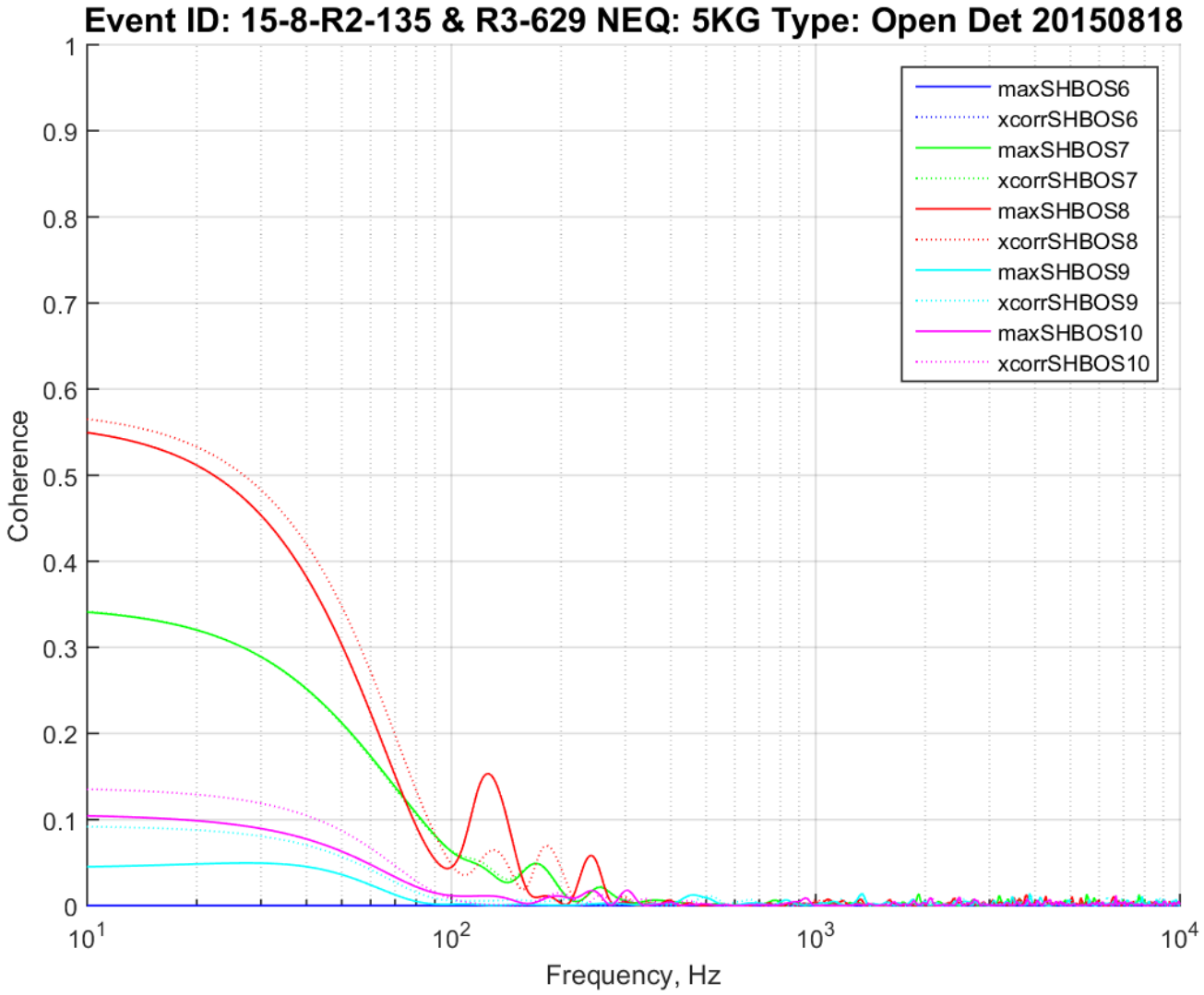


FIGURE 2.804: COHERENCE SHB_OS 6 - 10 15-8-R2-135 & R3-629CTD

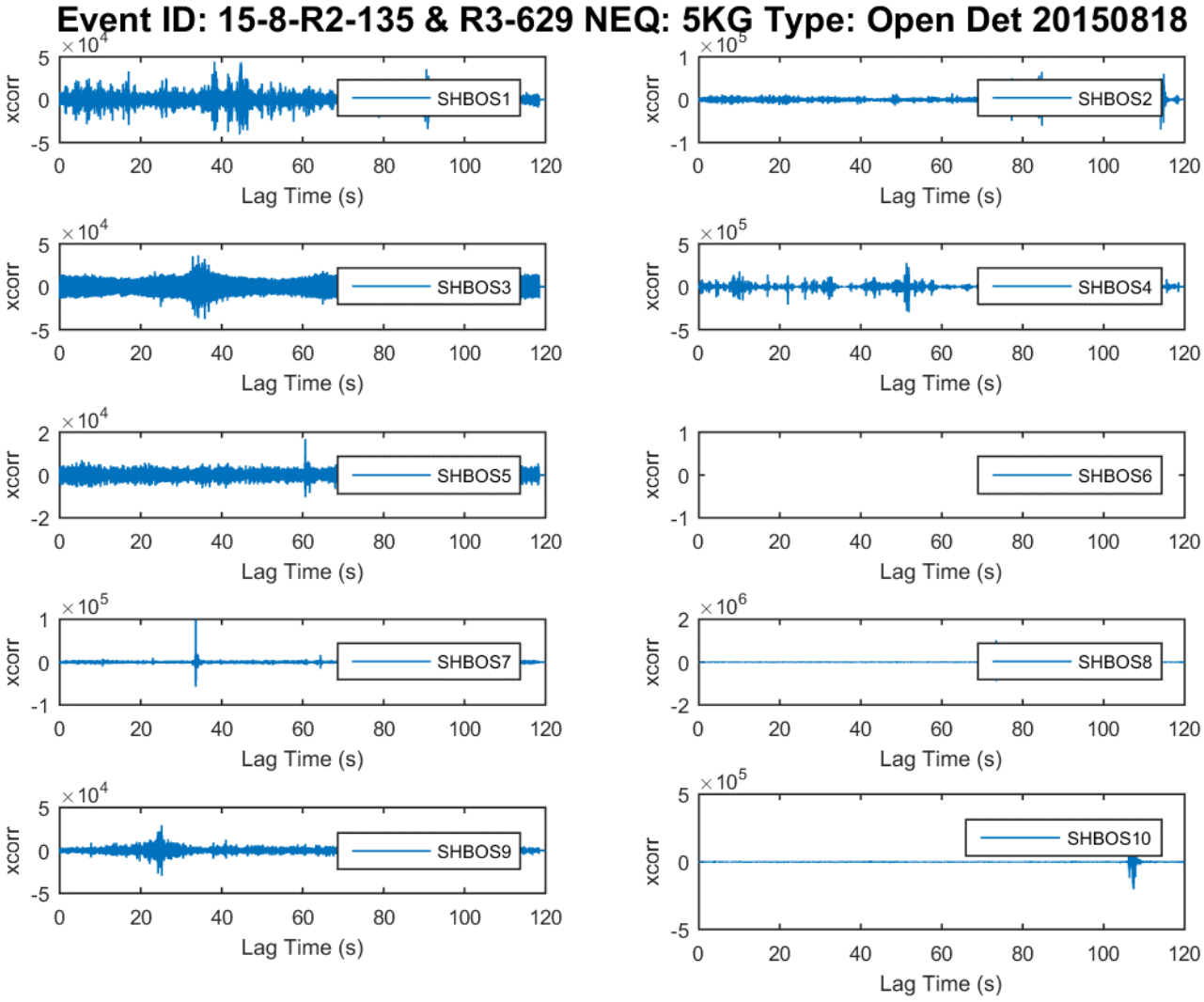


FIGURE 2.805: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-135 & R3-629

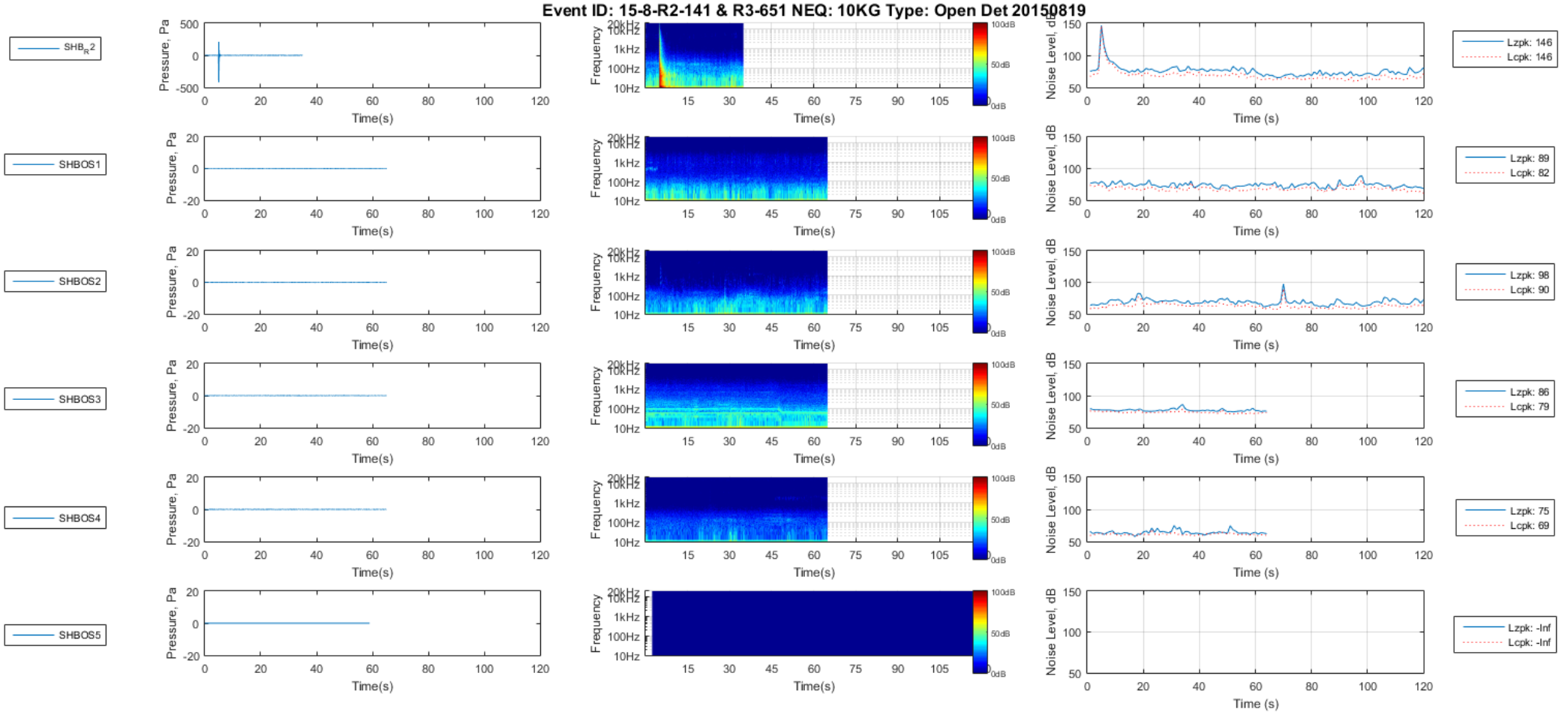


FIGURE 2.806: SHB_OS 1 - 5 15-8-R2-141 & R3-651

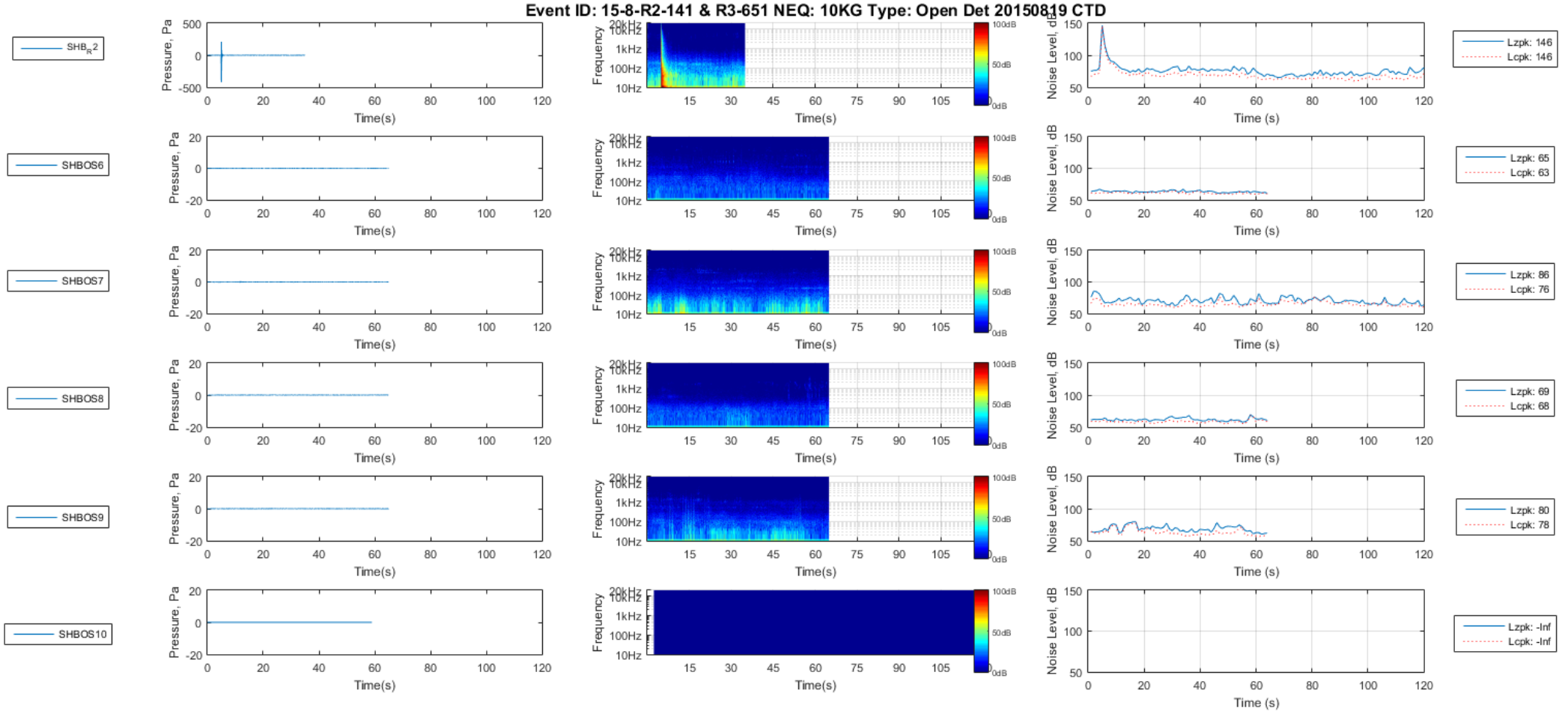


FIGURE 2.807: SHB_OS 6 - 10 15-8-R2-141 & R3-651

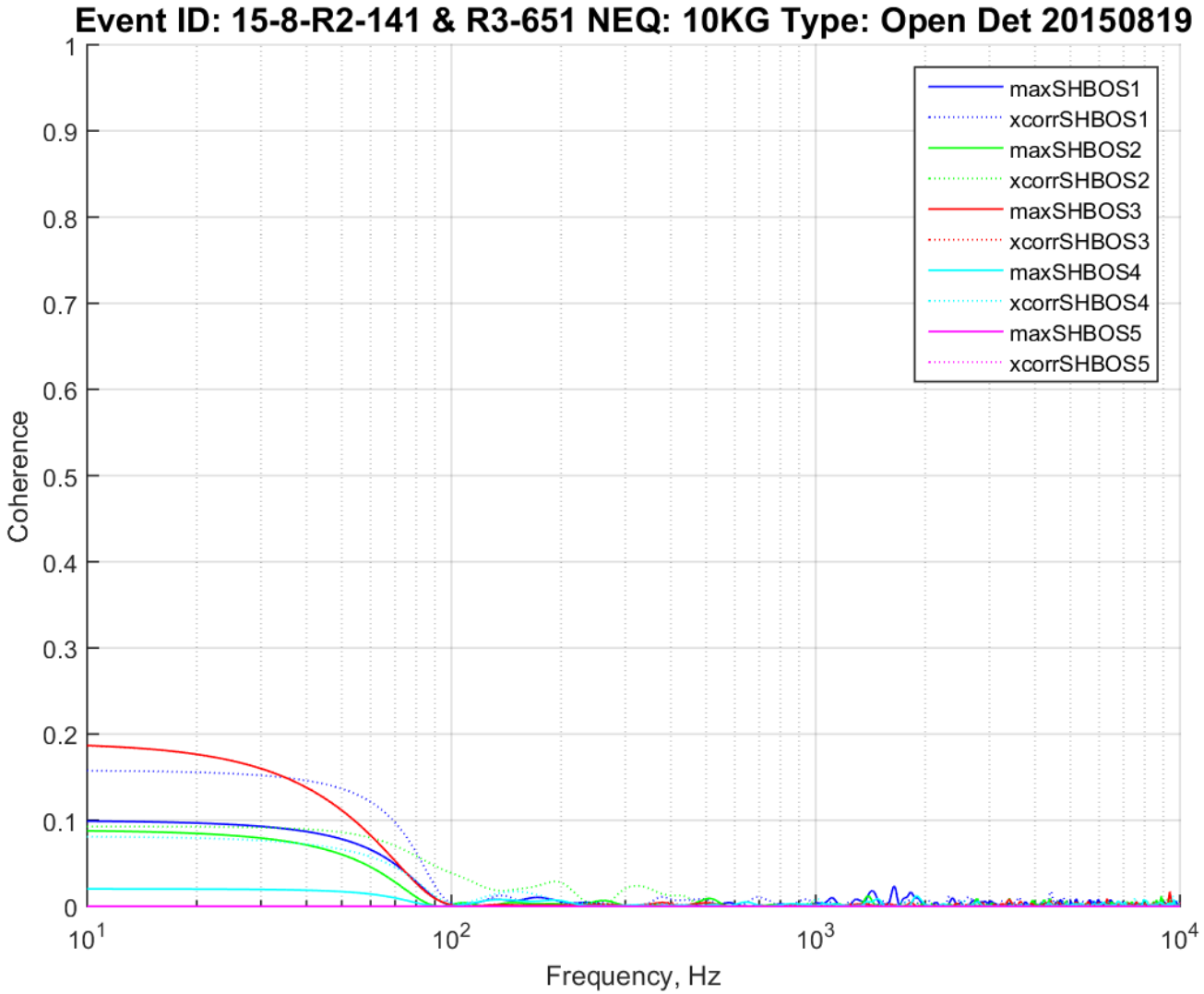


FIGURE 2.808: COHERENCE SHB_OS 1 - 5 15-8-R2-141 & R3-651

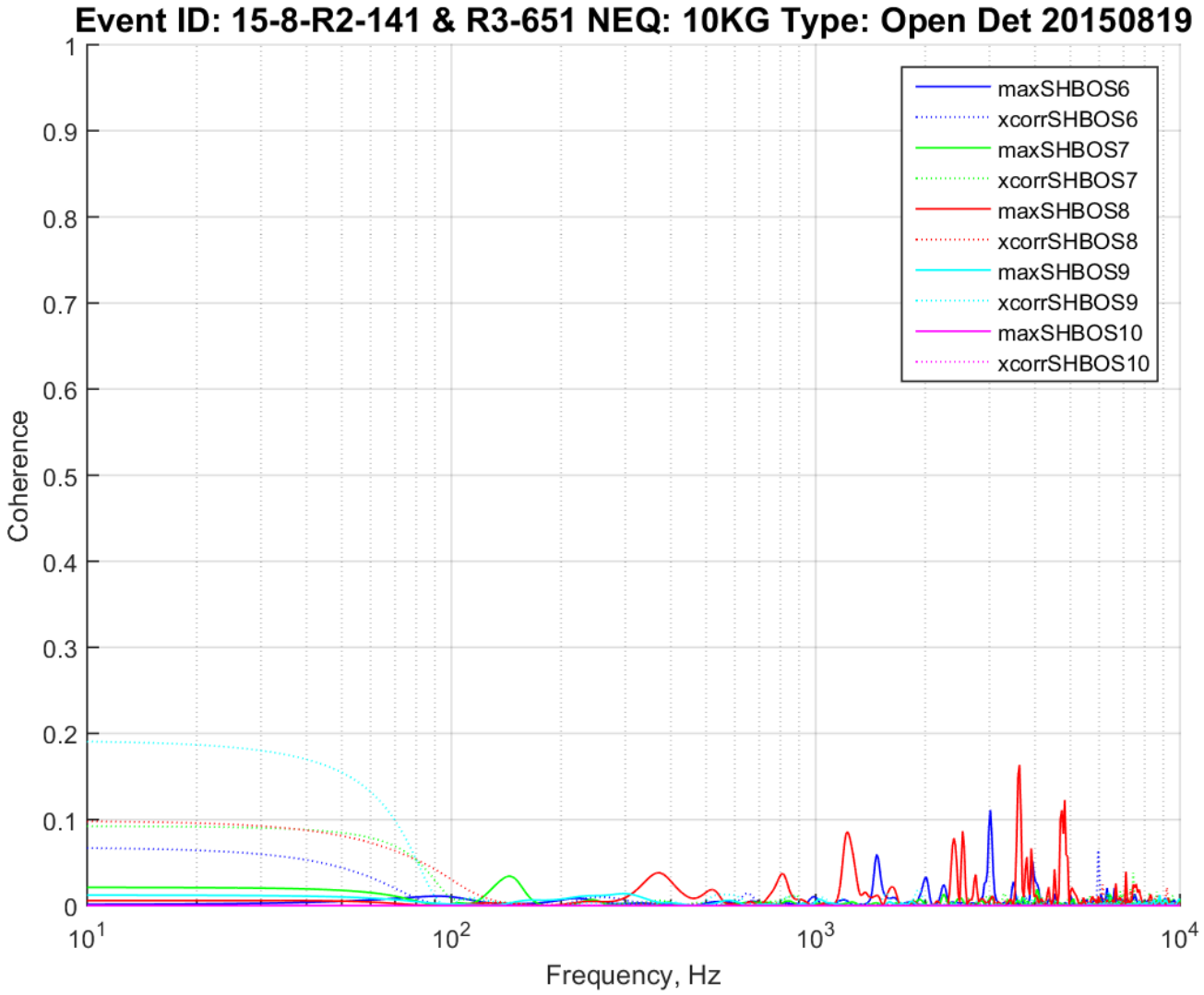


FIGURE 2.809: COHERENCE SHB_OS 6 - 10 15-8-R2-141 & R3-651CTD

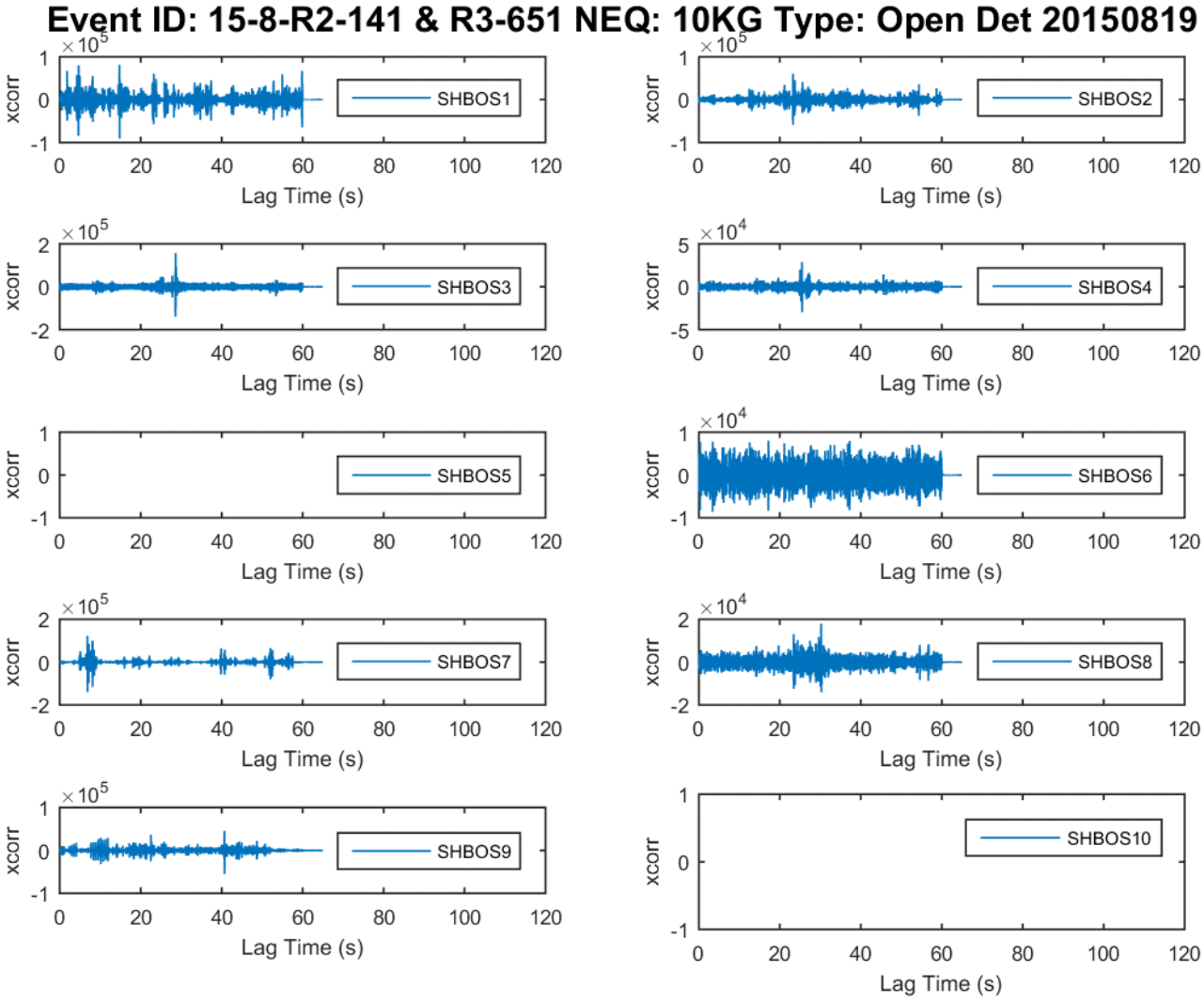
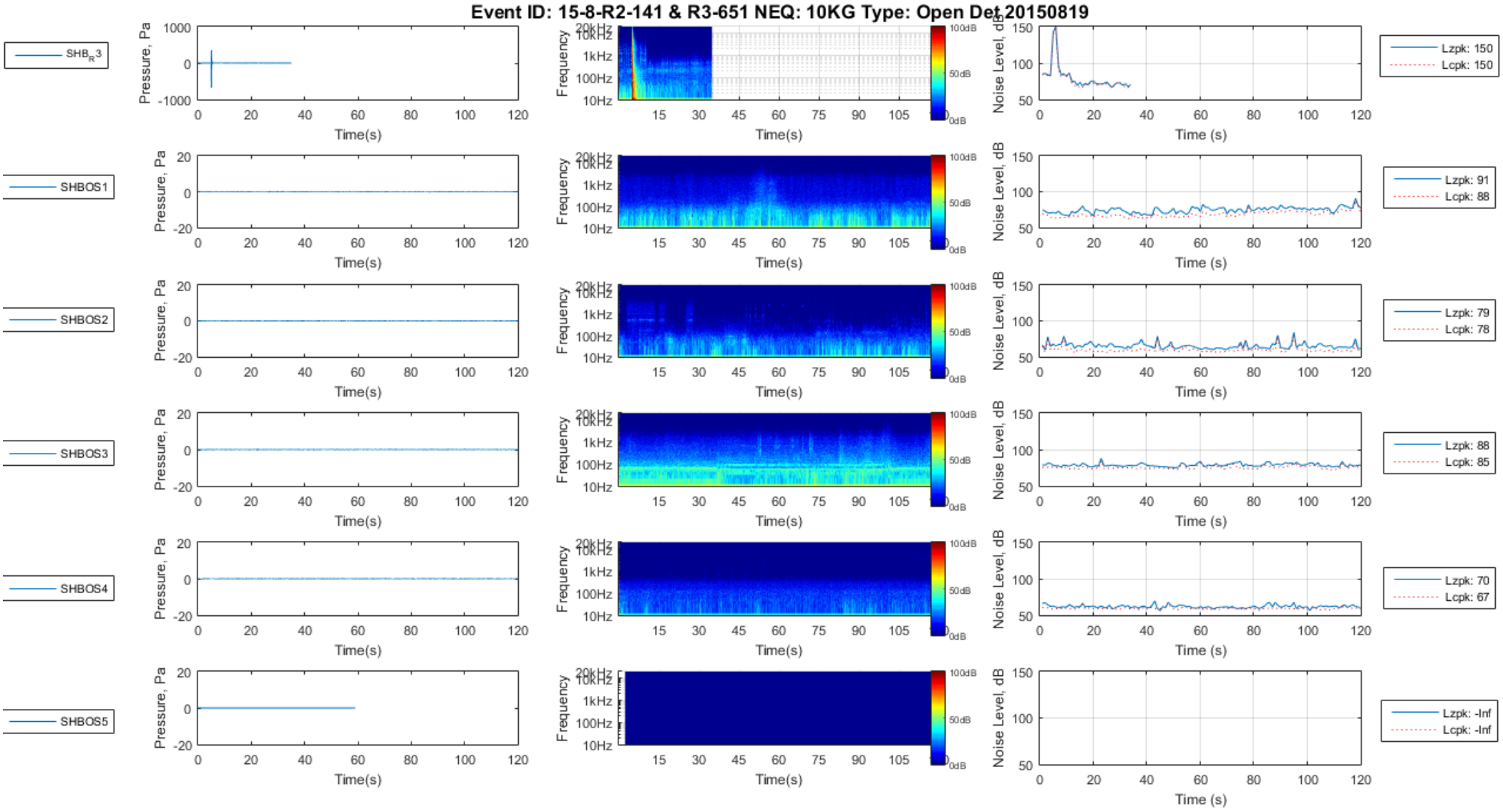
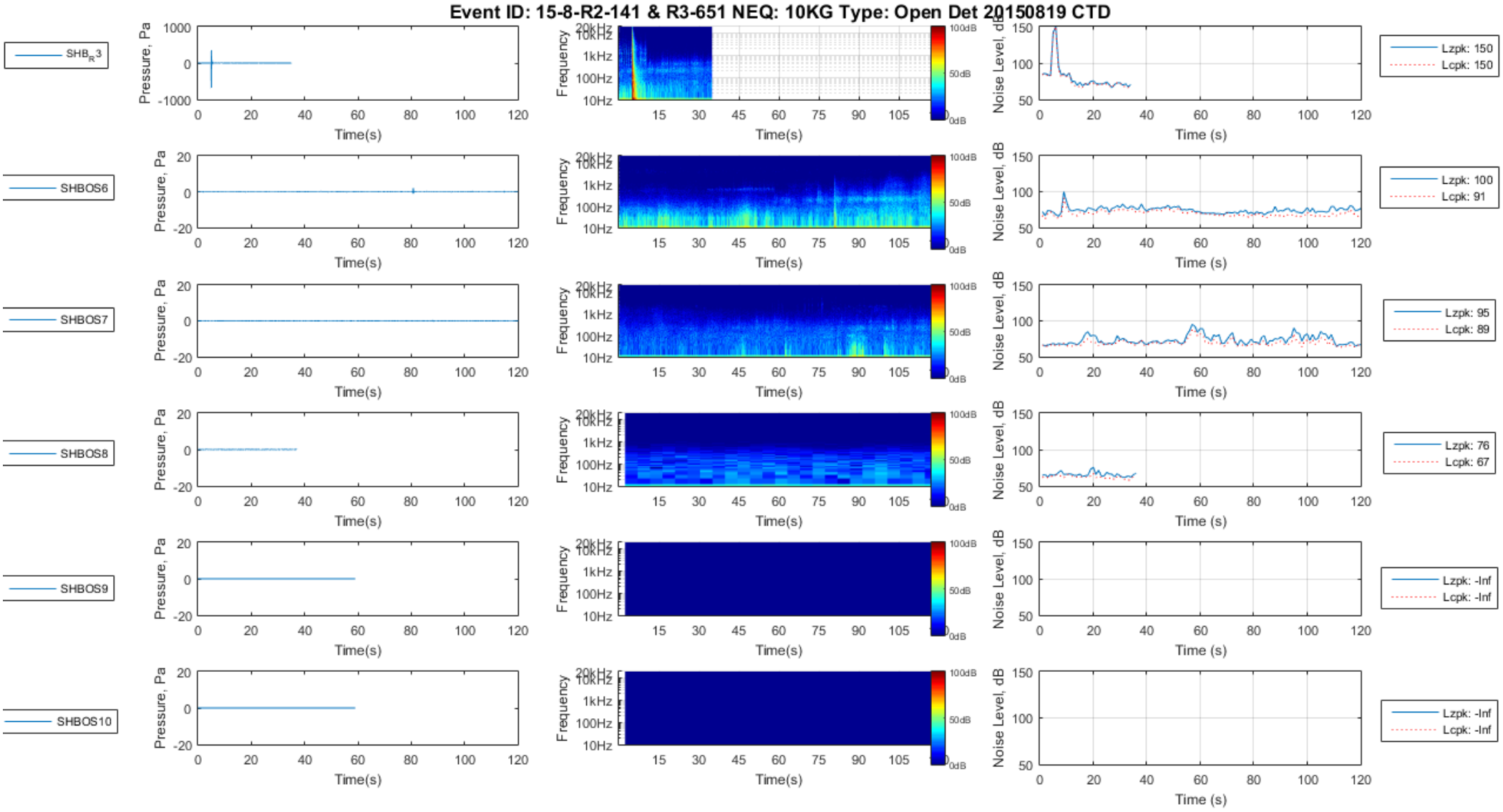


FIGURE 2.810: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-141 & R3-651


Event ID: 15-8-R2-141 & R3-651 NEQ: 10KG Type: Open Det 20150819
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 150
Lcpk: 150
Lzpk: 91
Lcpk: 88
Lzpk: 79
Lcpk: 78
Lzpk: 88
Lcpk: 85
Lzpk: 70
Lcpk: 67
Lzpk: -Inf
Lcpk: -Inf


Event ID: 15-8-R2-141 & R3-651 NEQ: 10KG Type: Open Det 20150819 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 150
Lcpk: 150
Lzpk: 100
Lcpk: 91
Lzpk: 95
Lcpk: 89
Lzpk: 76
Lcpk: 67
Lzpk: -Inf
Lcpk: -Inf
Lzpk: -Inf
Lcpk: -Inf

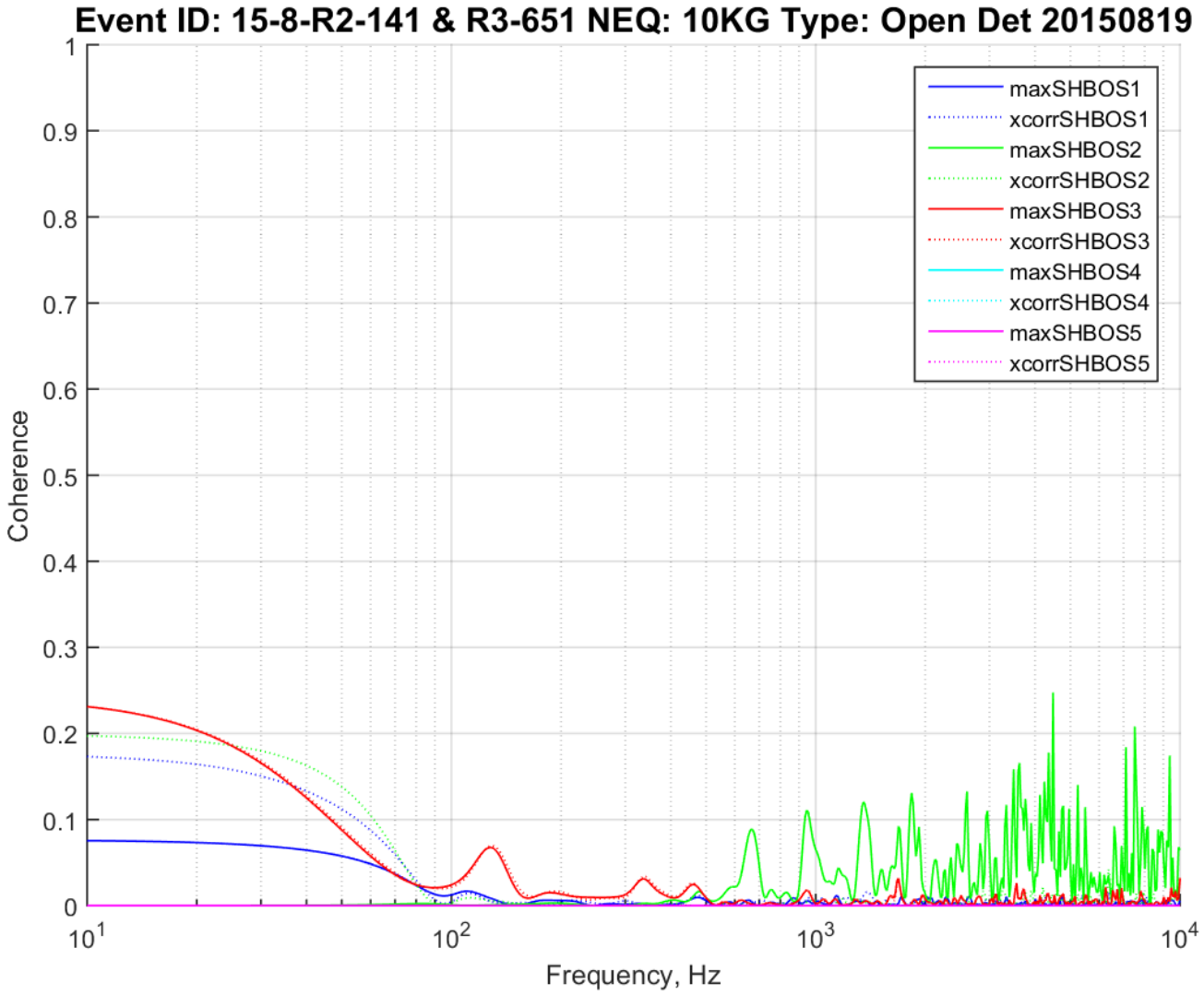


FIGURE 2.813: COHERENCE SHB_OS 1 - 5 15-8-R2-141 & R3-651

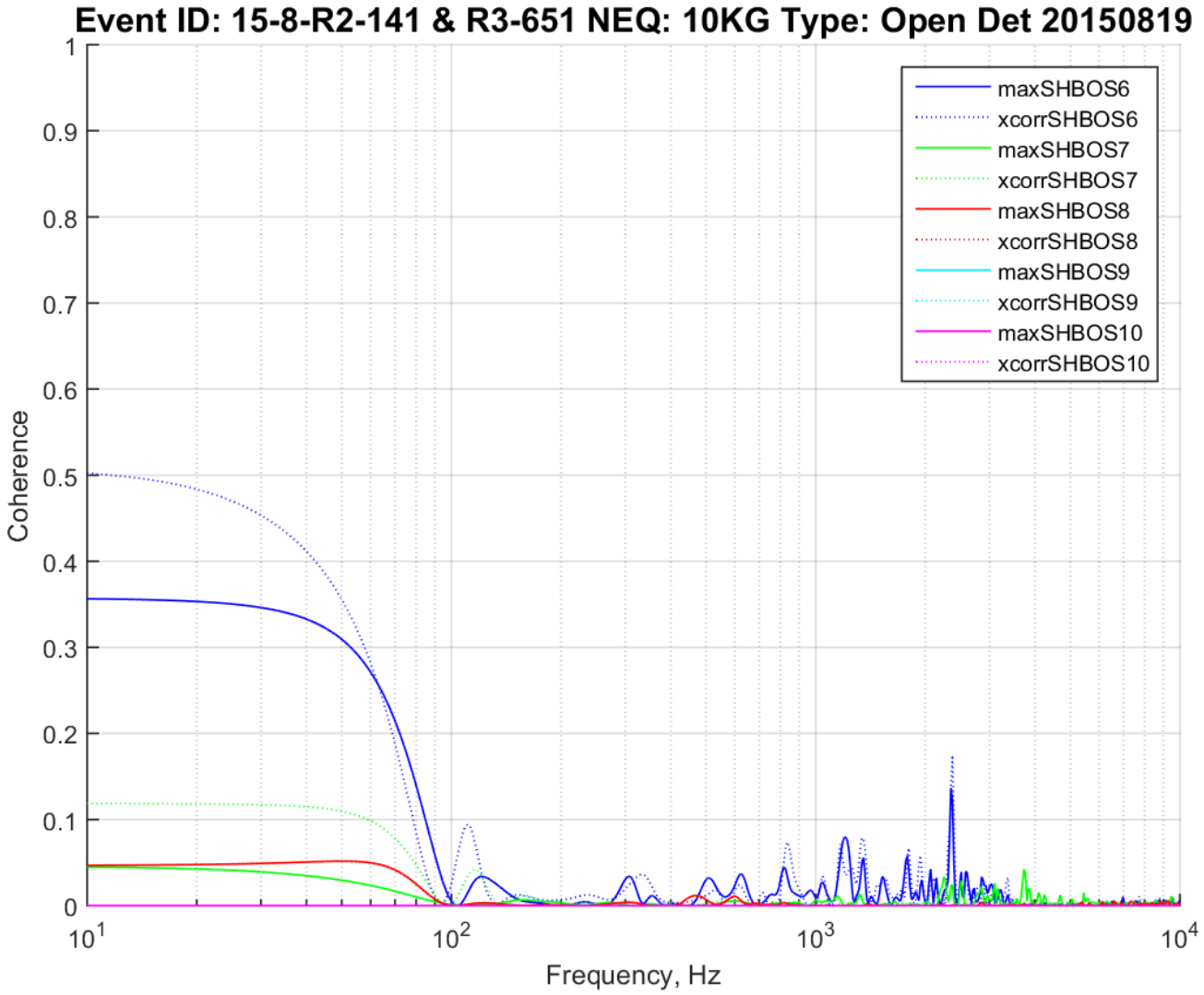


FIGURE 2.814: COHERENCE SHB_OS 6 - 10 15-8-R2-141 & R3-651CTD

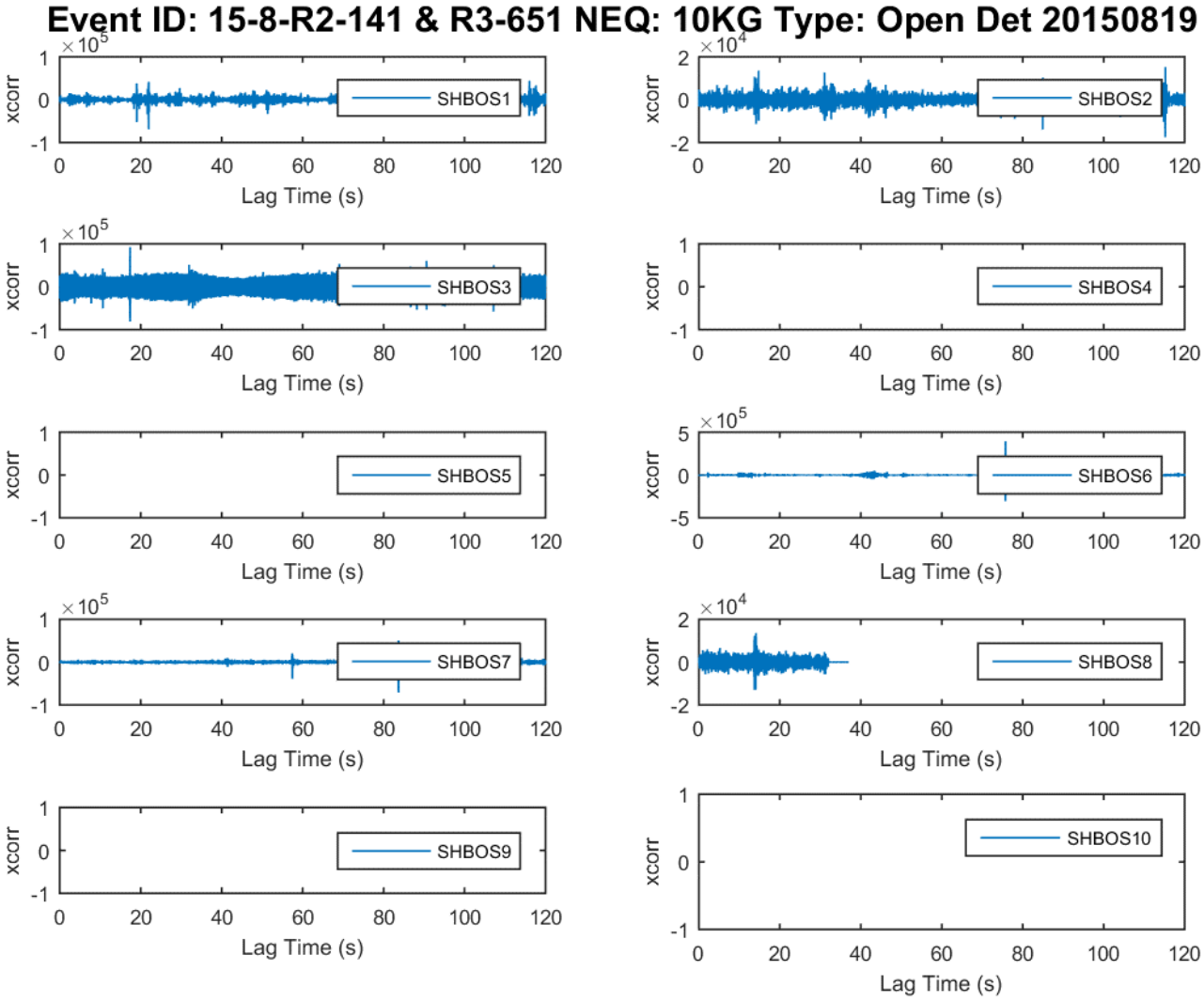
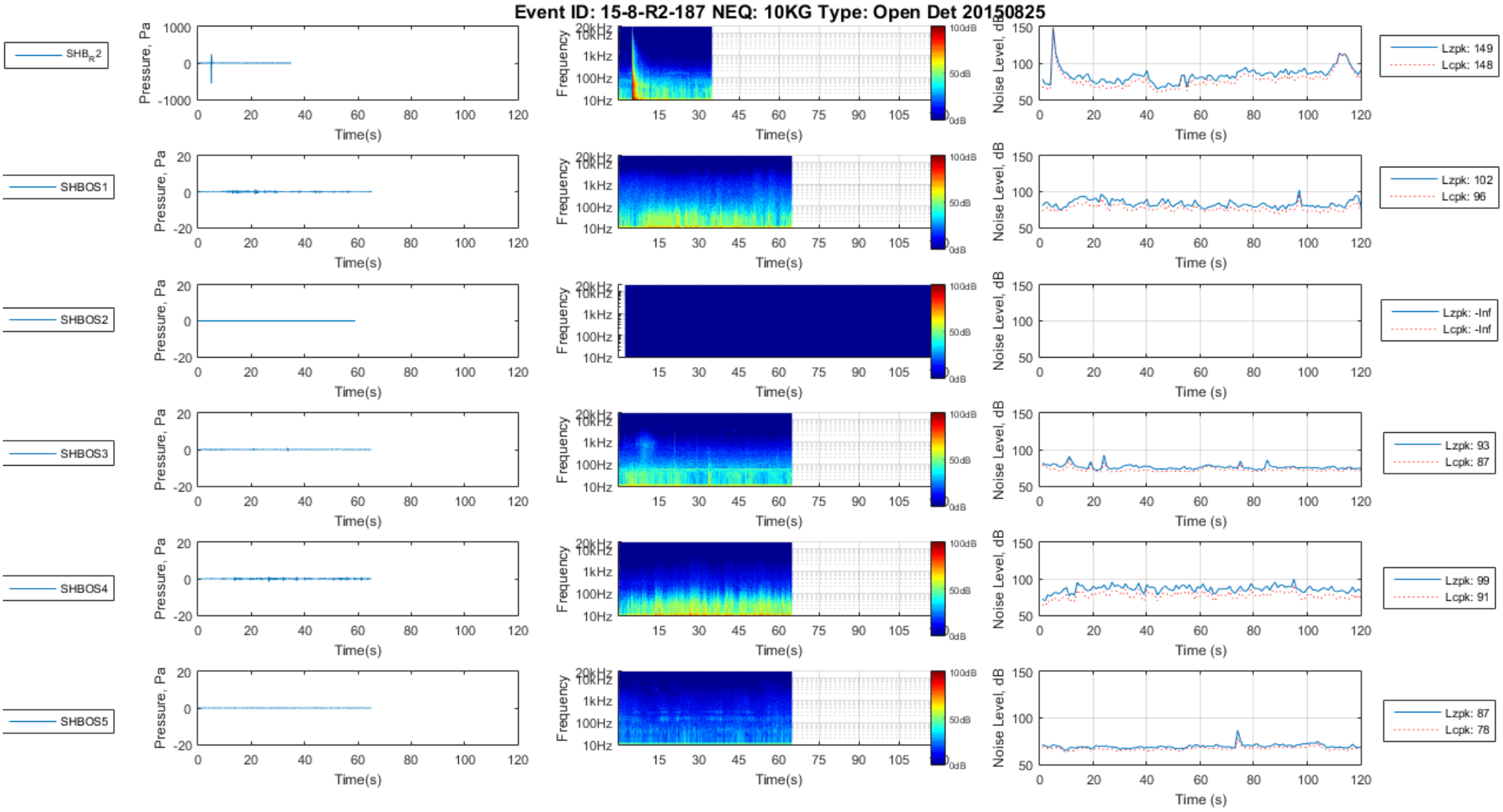
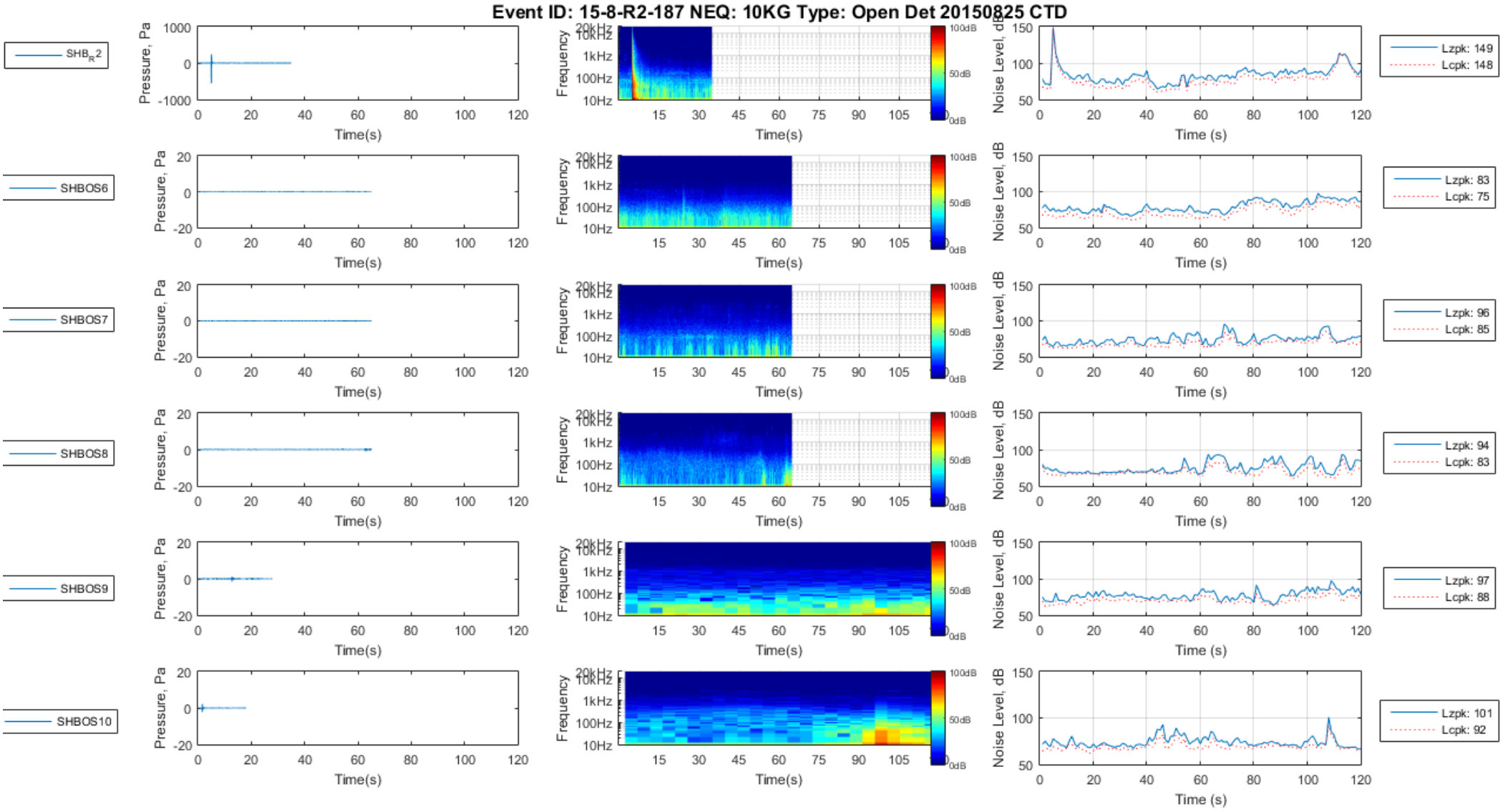


FIGURE 2.815: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-141 & R3-651


Event ID: 15-8-R2-187 NEQ: 10KG Type: Open Det 20150825
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
Noise Level, dB
Time (s)
Lzpk: 149
Lcpk: 148
Lzpk: 102
Lcpk: 96
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 93
Lcpk: 87
Lzpk: 99
Lcpk: 91
Lzpk: 87
Lcpk: 78


Event ID: 15-8-R2-187 NEQ: 10KG Type: Open Det 20150825 CTD
SHB$_R$2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 149
Lcpk: 148
Lzpk: 83
Lcpk: 75
Lzpk: 96
Lcpk: 85
Lzpk: 94
Lcpk: 83
Lzpk: 97
Lcpk: 88
Lzpk: 101
Lcpk: 92

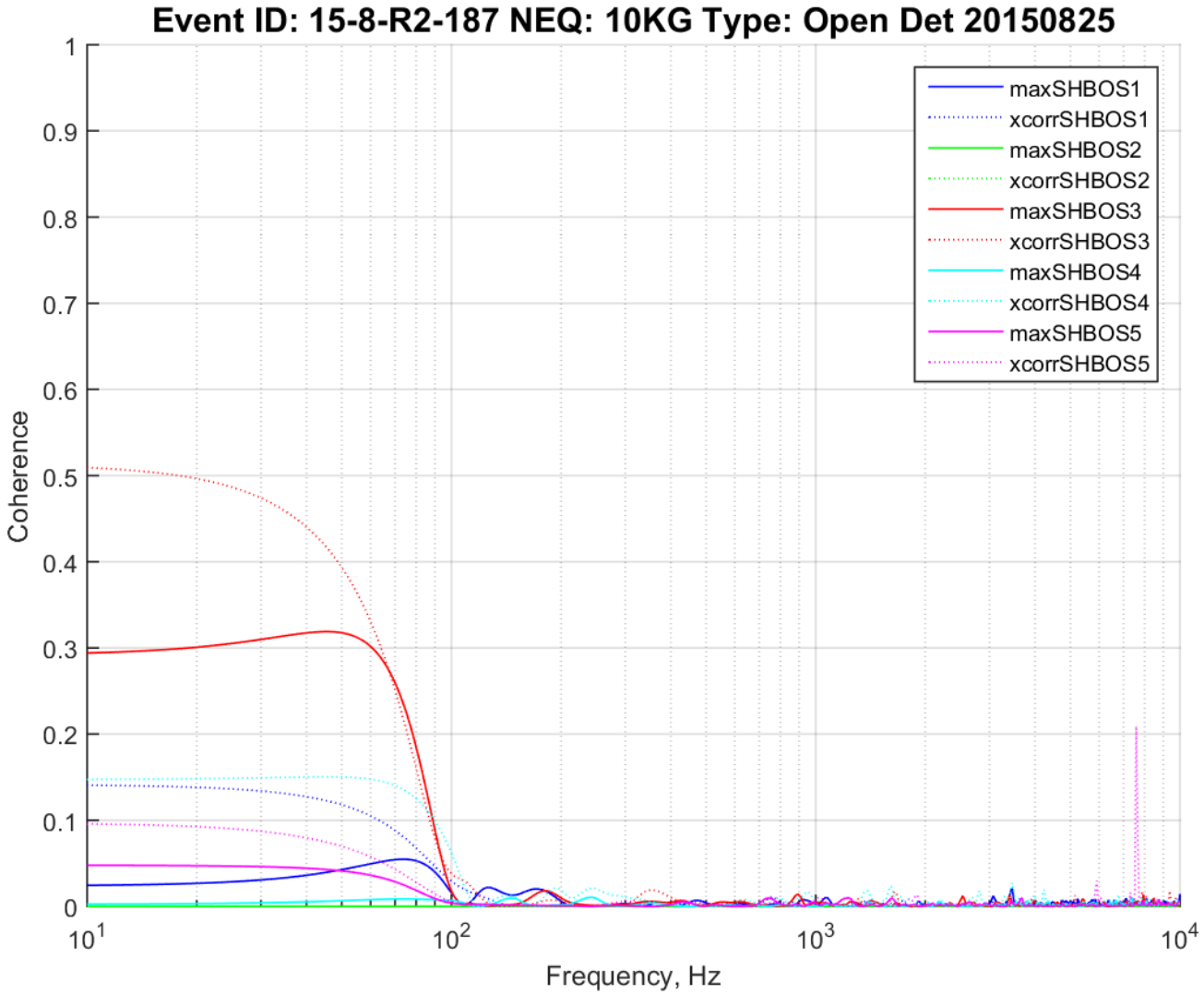


FIGURE 2.818: COHERENCE SHB_OS 1 - 5 15-8-R2-187

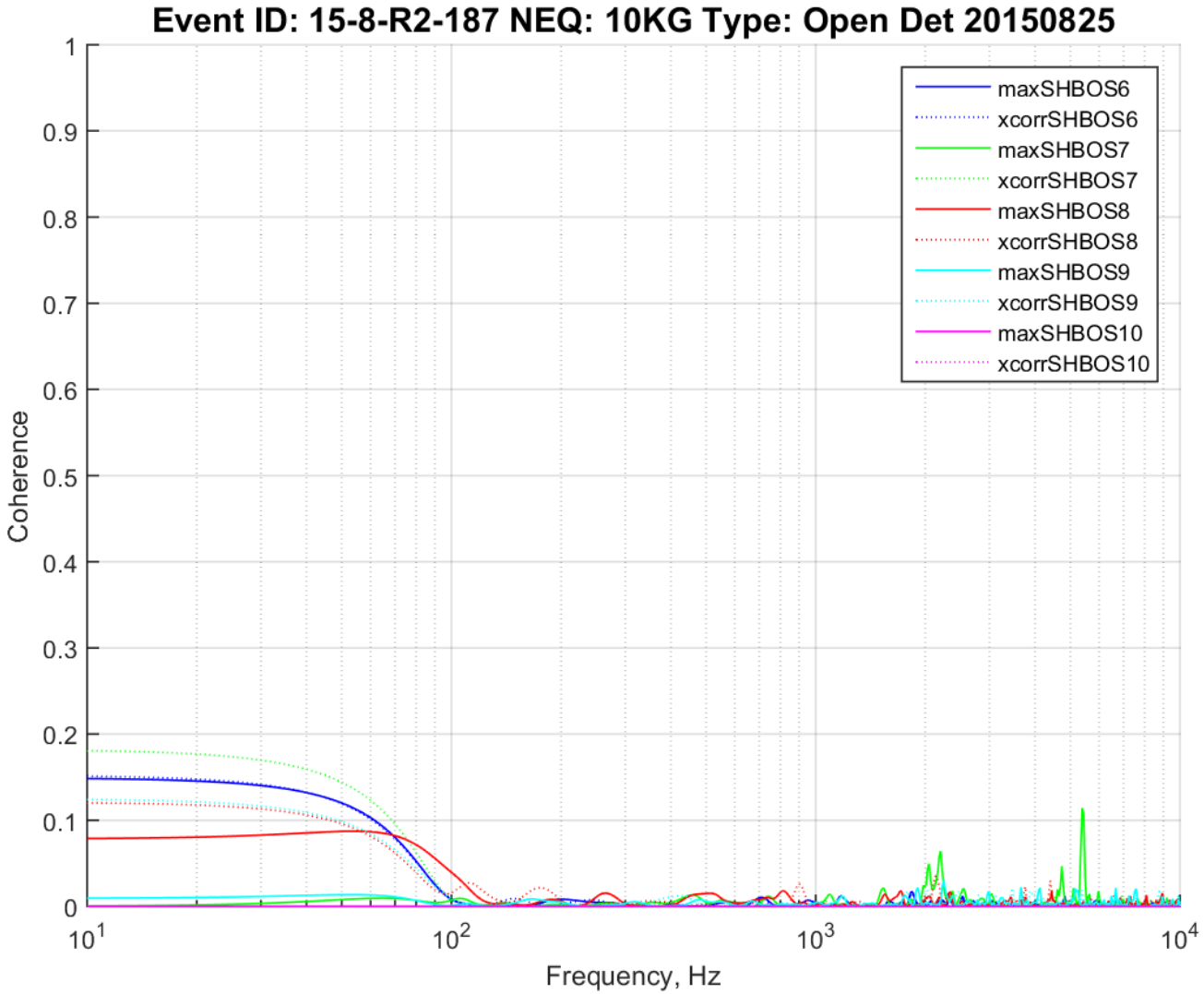


FIGURE 2.819: COHERENCE SHB_OS 6 - 10 15-8-R2-187CTD

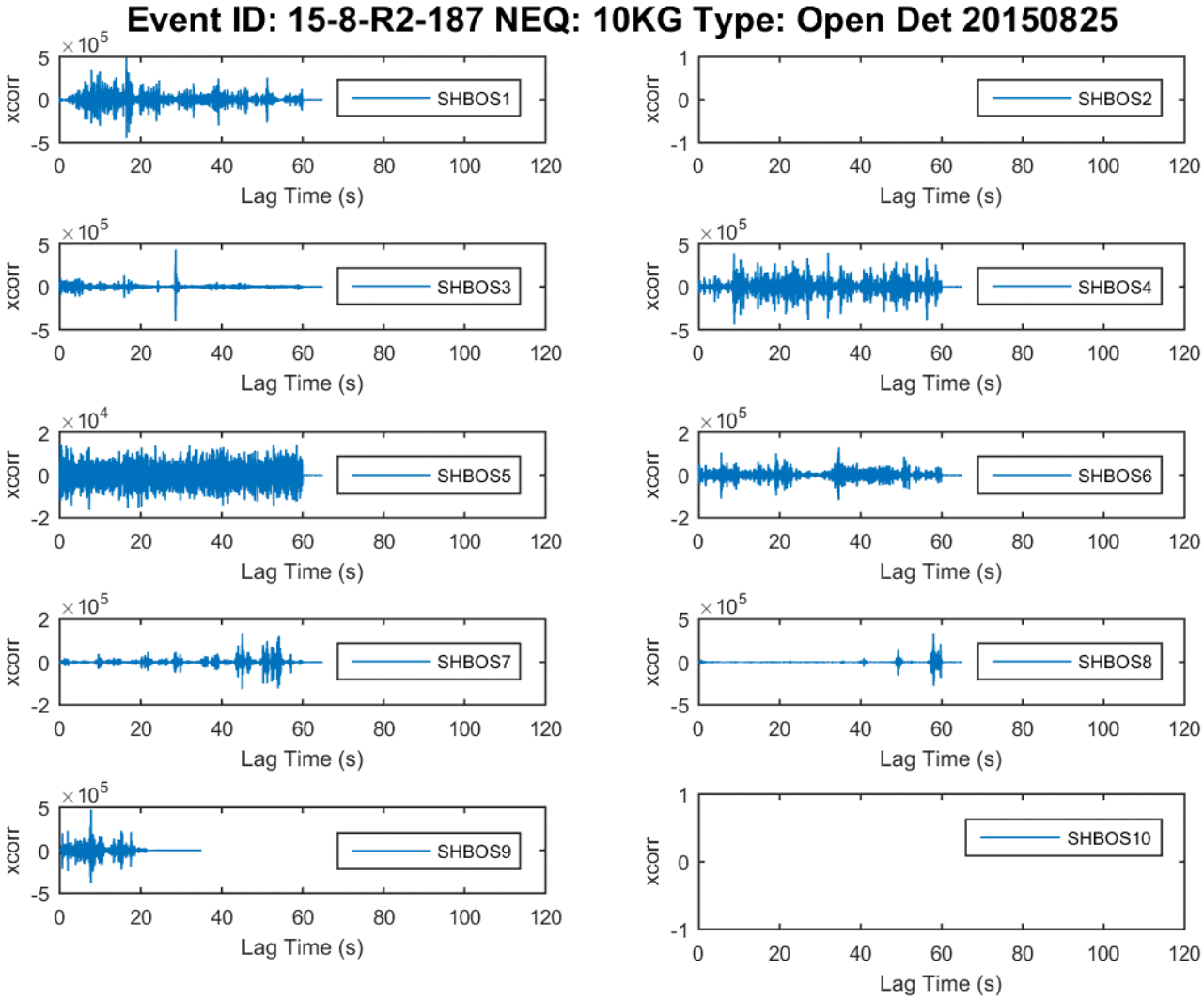


FIGURE 2.820: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-187

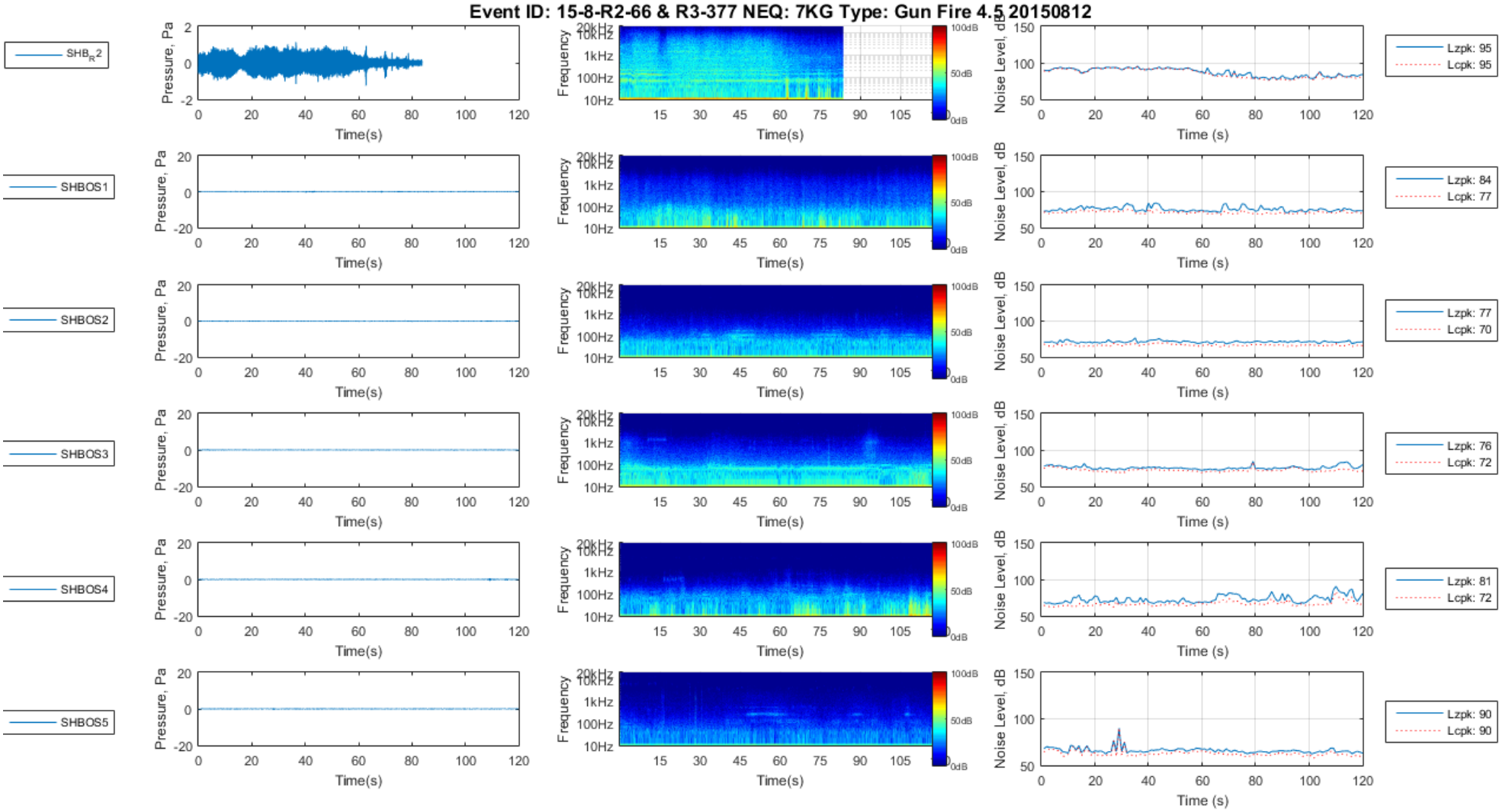


FIGURE 2.821: SHB_OS 1 - 5 15-8-R2-66 & R3-377

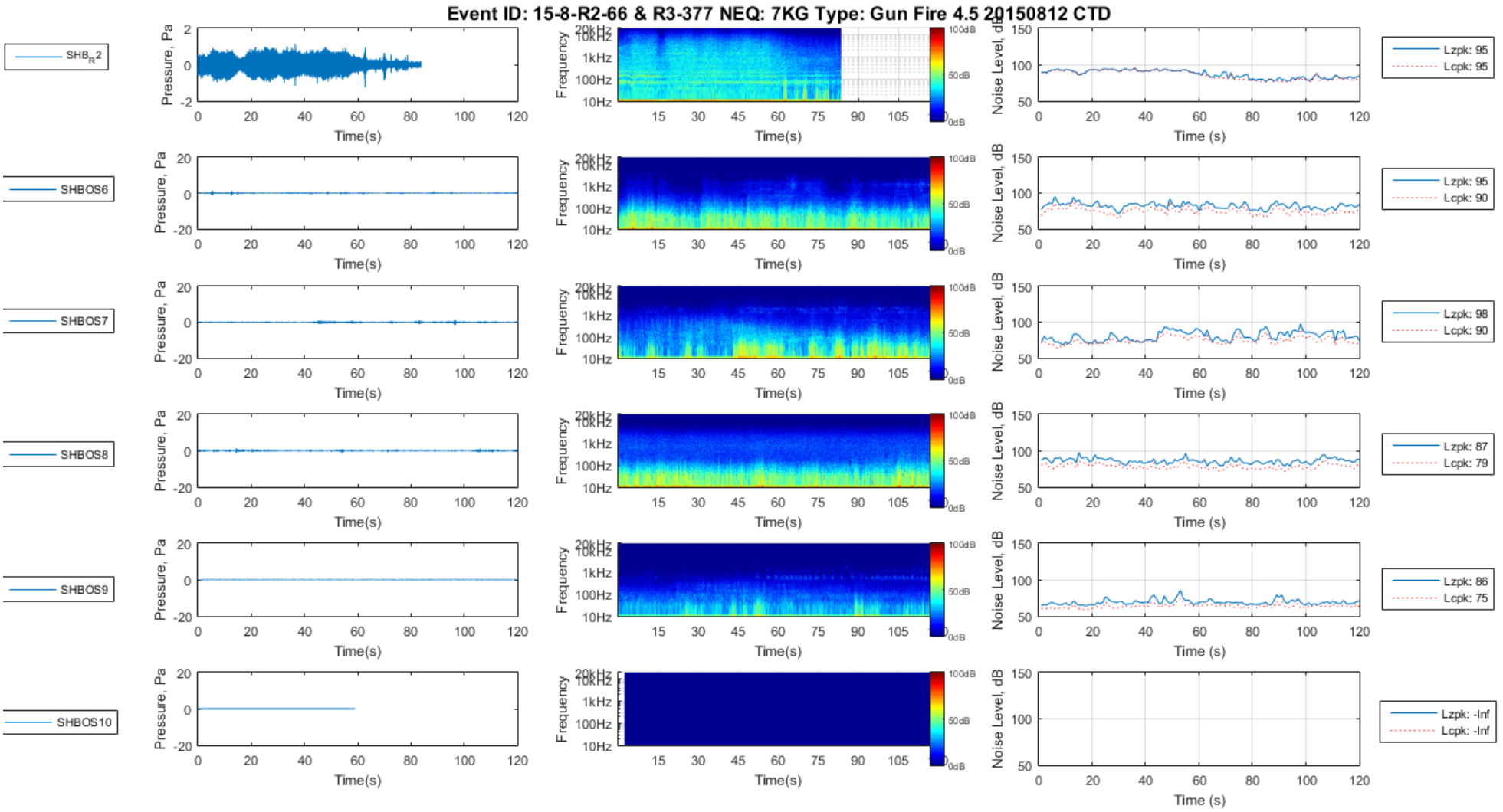


FIGURE 2.822: SHB_OS 6 - 10 15-8-R2-66 & R3-377

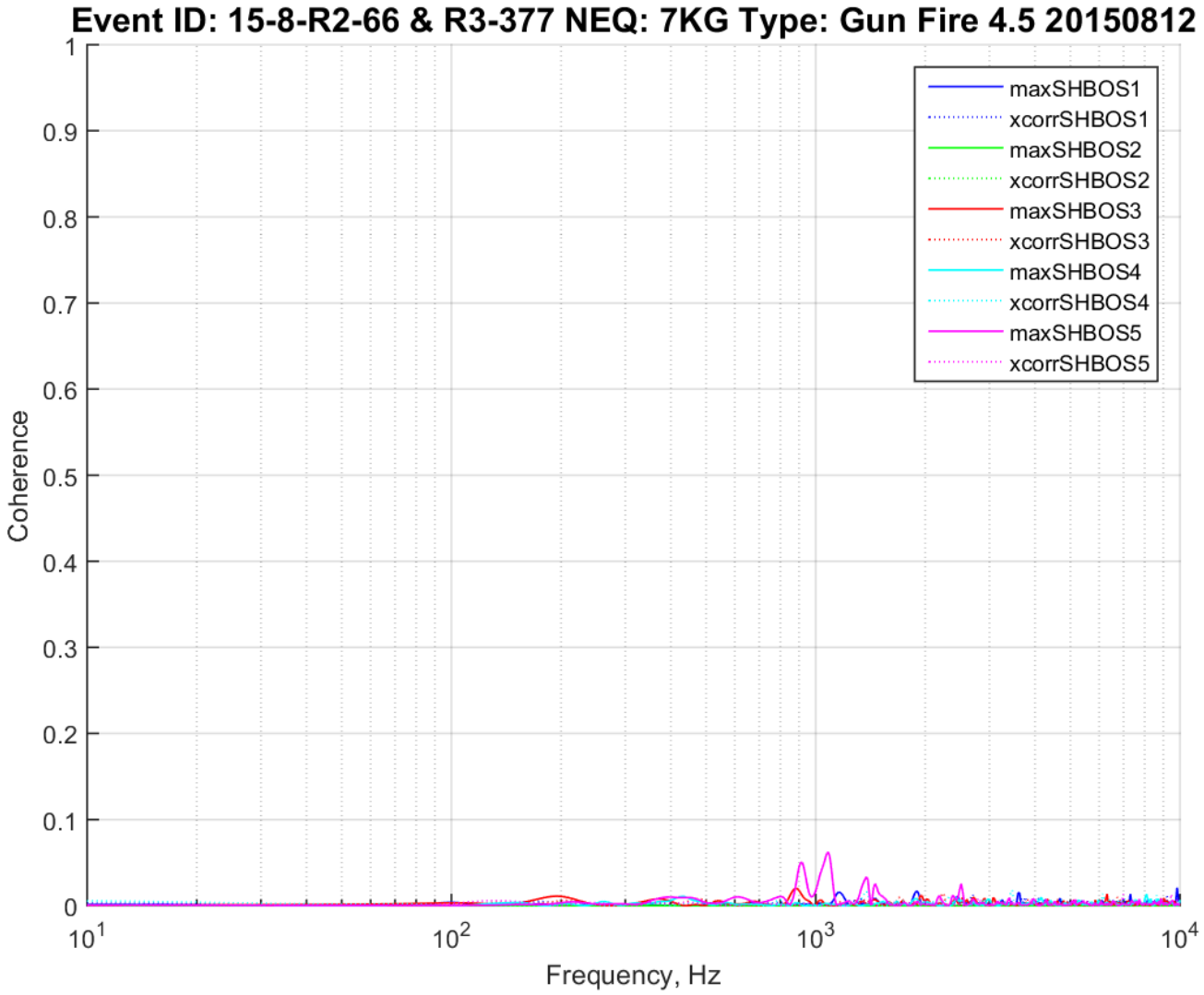


FIGURE 2.823: COHERENCE SHB_OS 1 - 5 15-8-R2-66 & R3-377

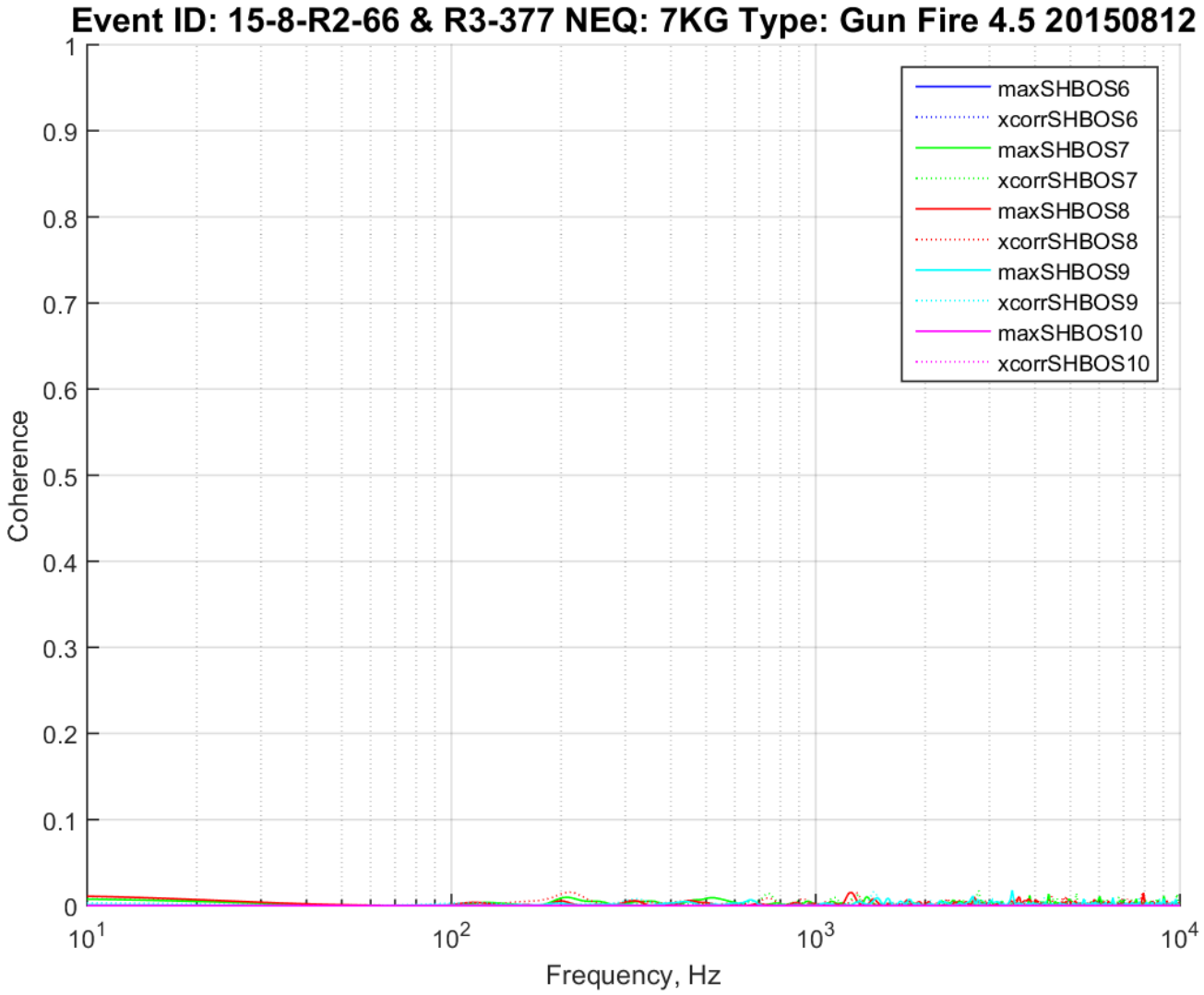


FIGURE 2.824: COHERENCE SHB_OS 6 - 10 15-8-R2-66 & R3-377CTD

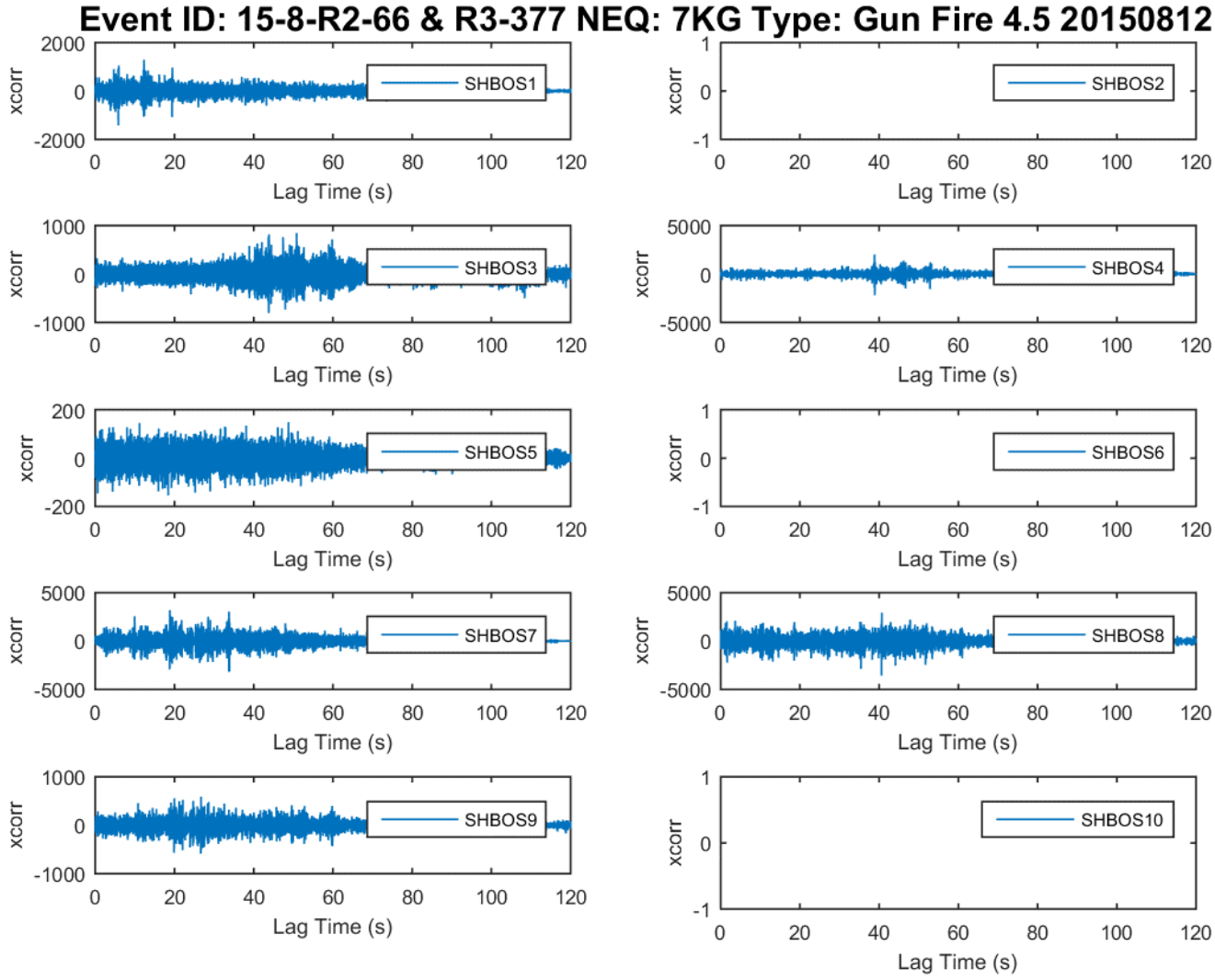


FIGURE 2.825: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-66 & R3-377

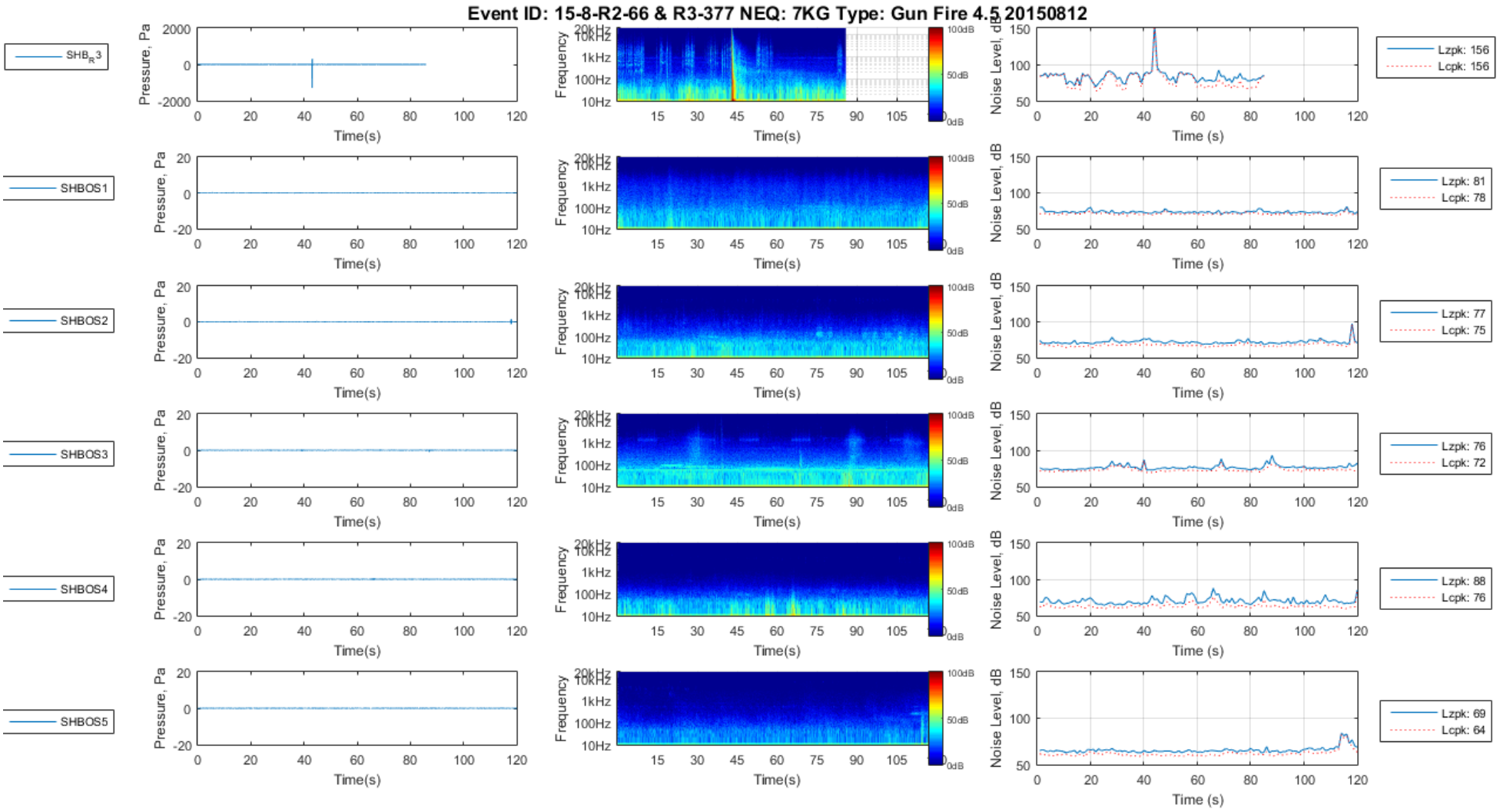


FIGURE 2.826: SHB_OS 1 - 5 15-8-R2-66 & R3-377

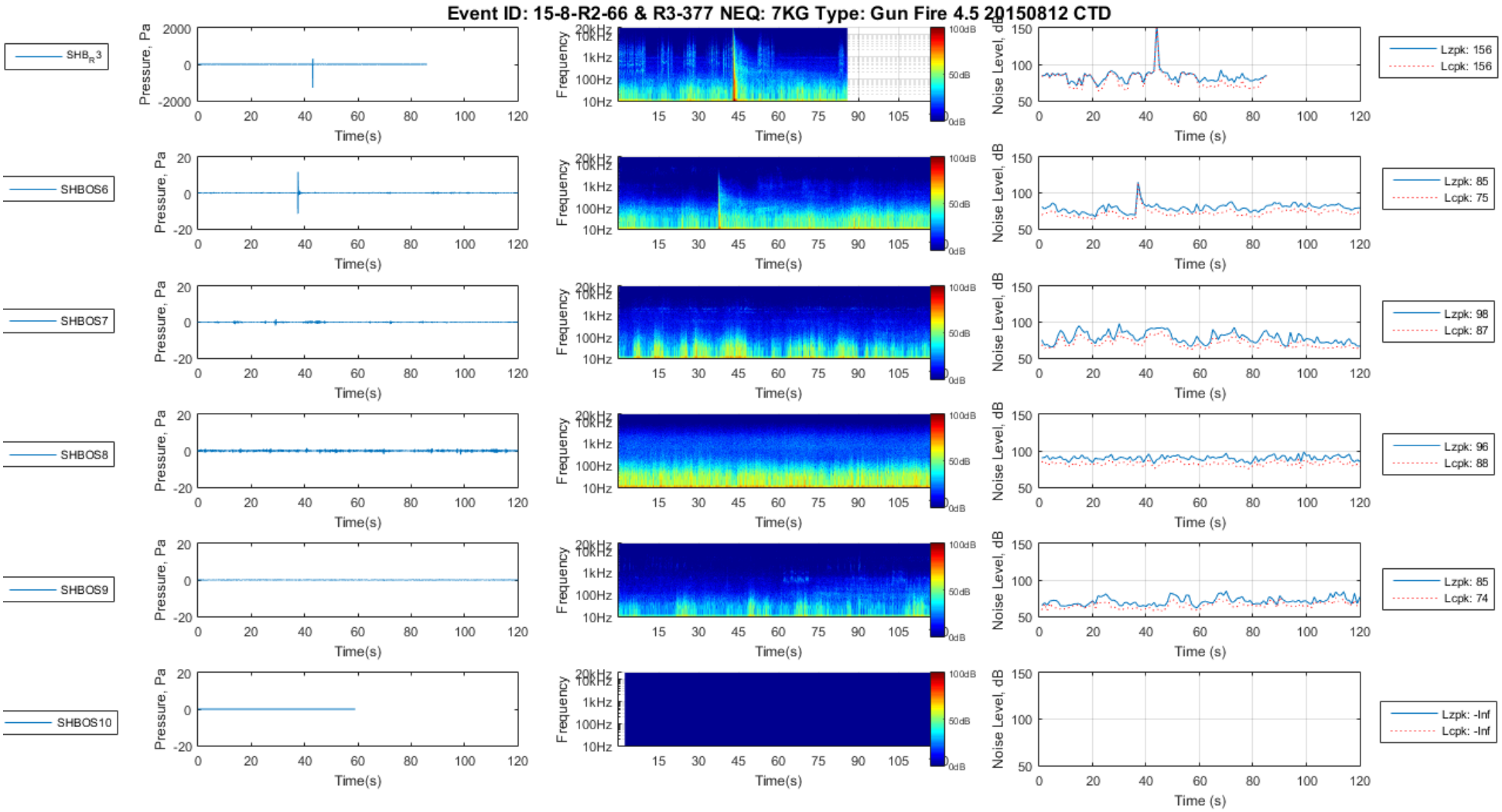


FIGURE 2.827: SHB_OS 6 - 10 15-8-R2-66 & R3-377

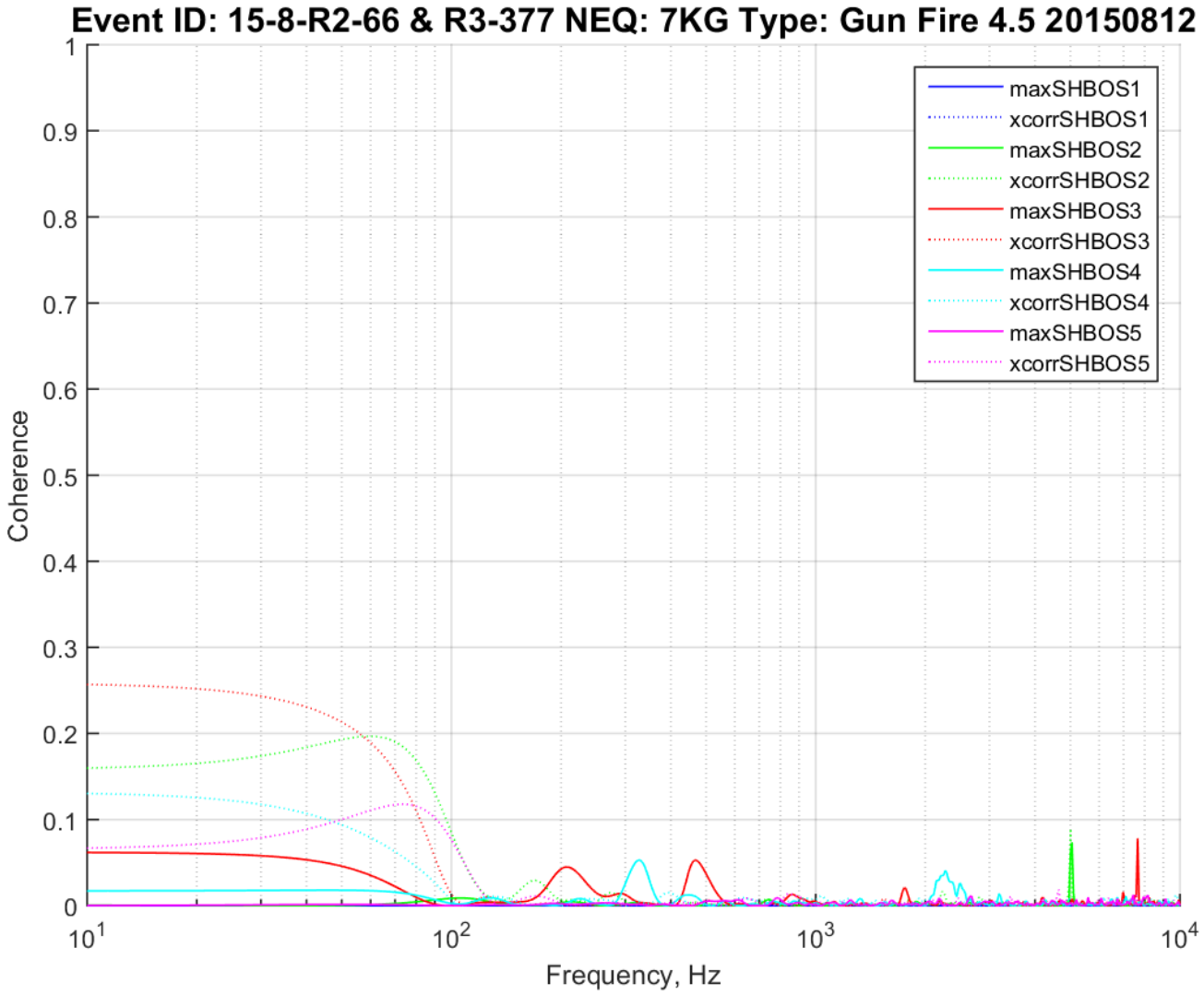


FIGURE 2.828: COHERENCE SHB_OS 1 - 5 15-8-R2-66 & R3-377

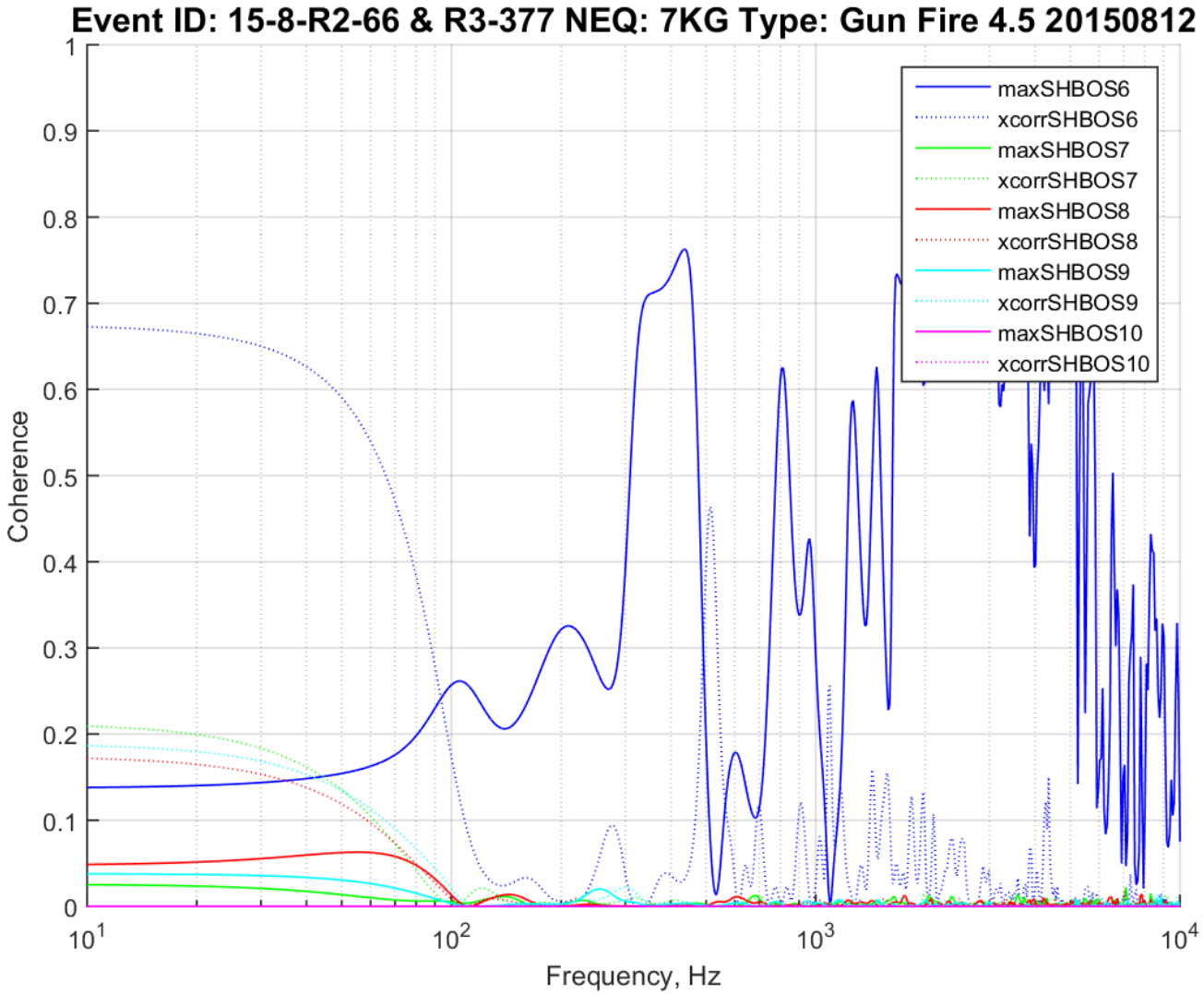


FIGURE 2.829: COHERENCE SHB_OS 6 - 10 15-8-R2-66 & R3-377CTD

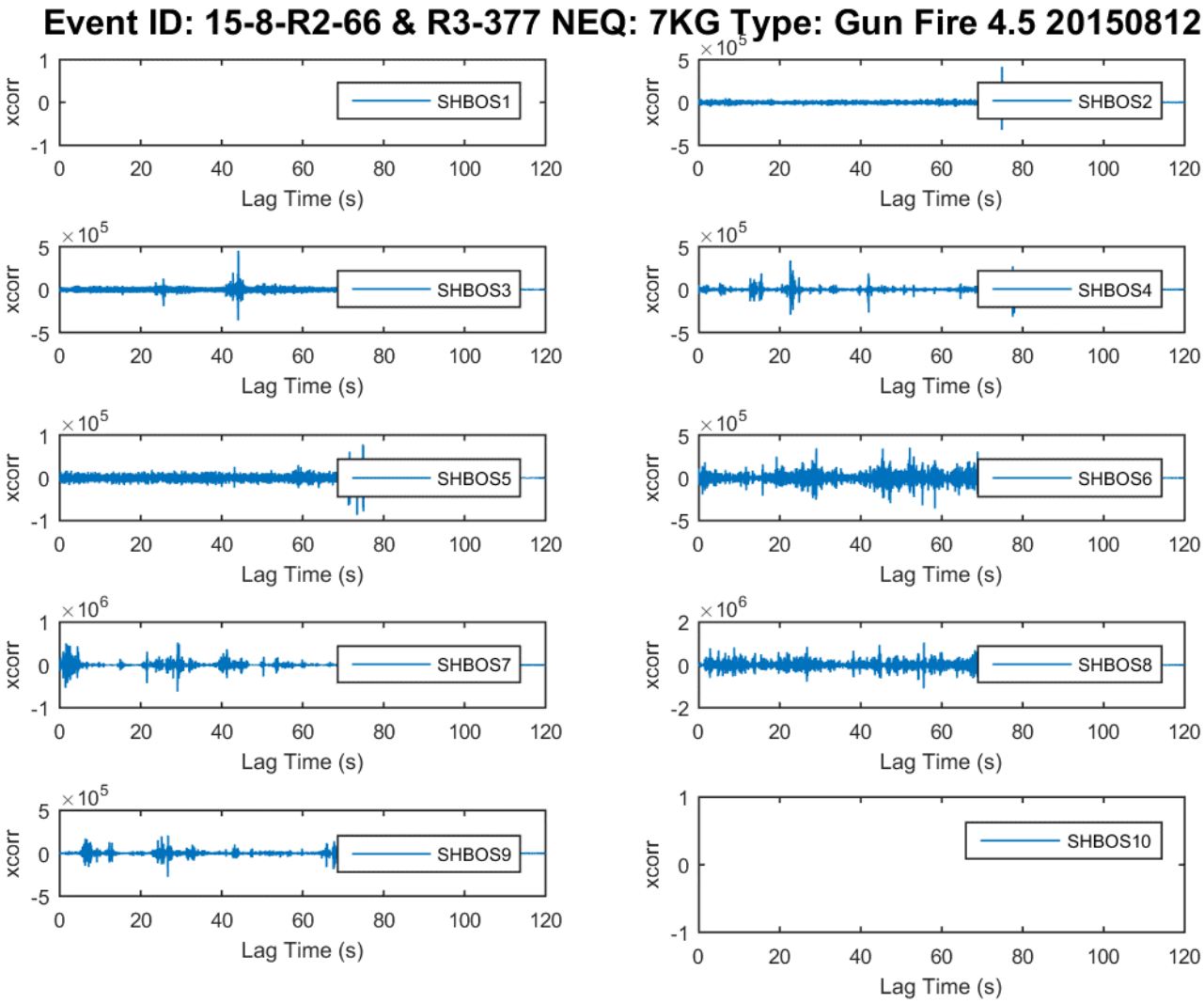


FIGURE 2.830: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-66 & R3-377

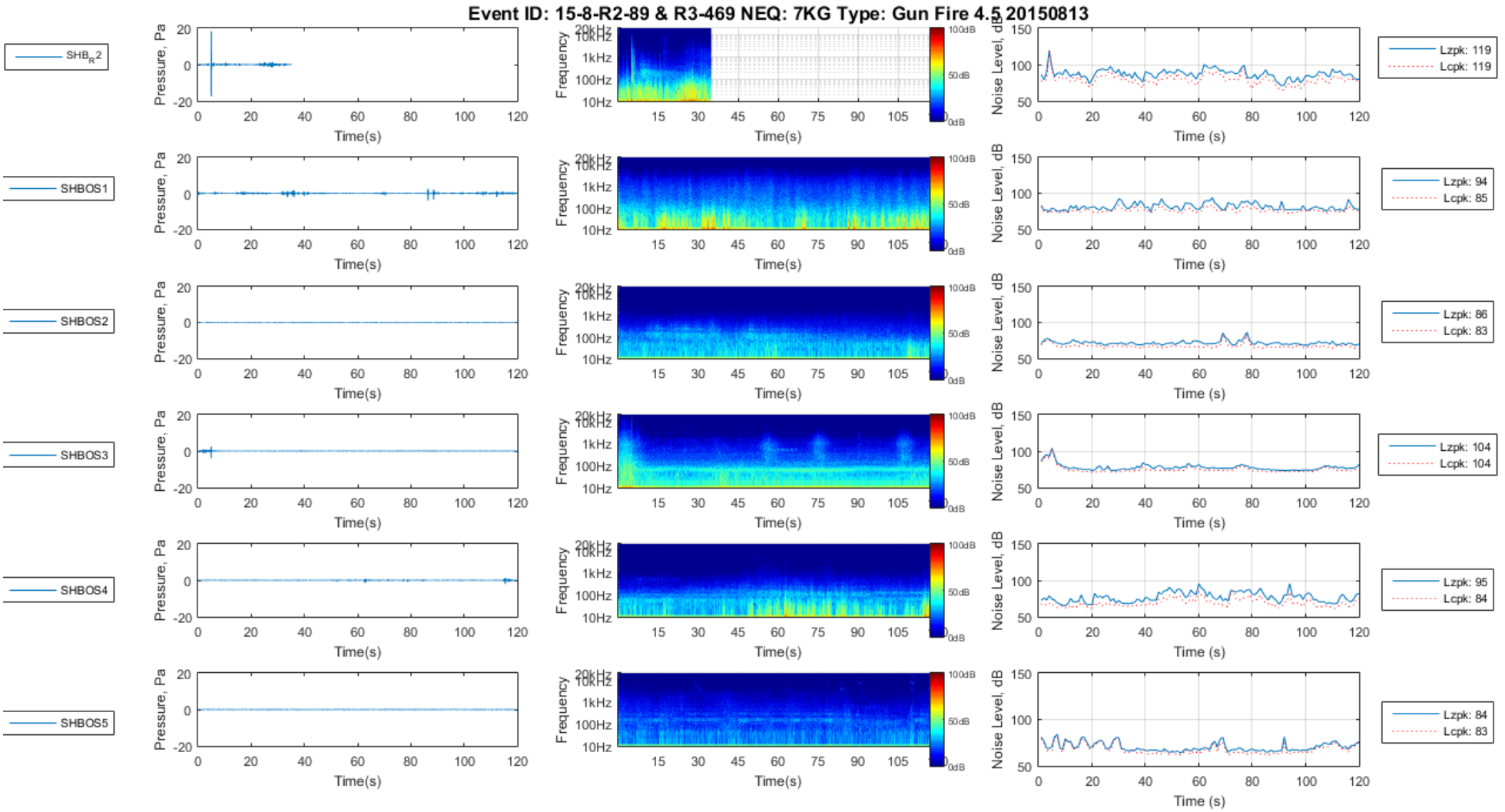


FIGURE 2.831: SHB_OS 1 - 5 15-8-R2-89 & R3-469

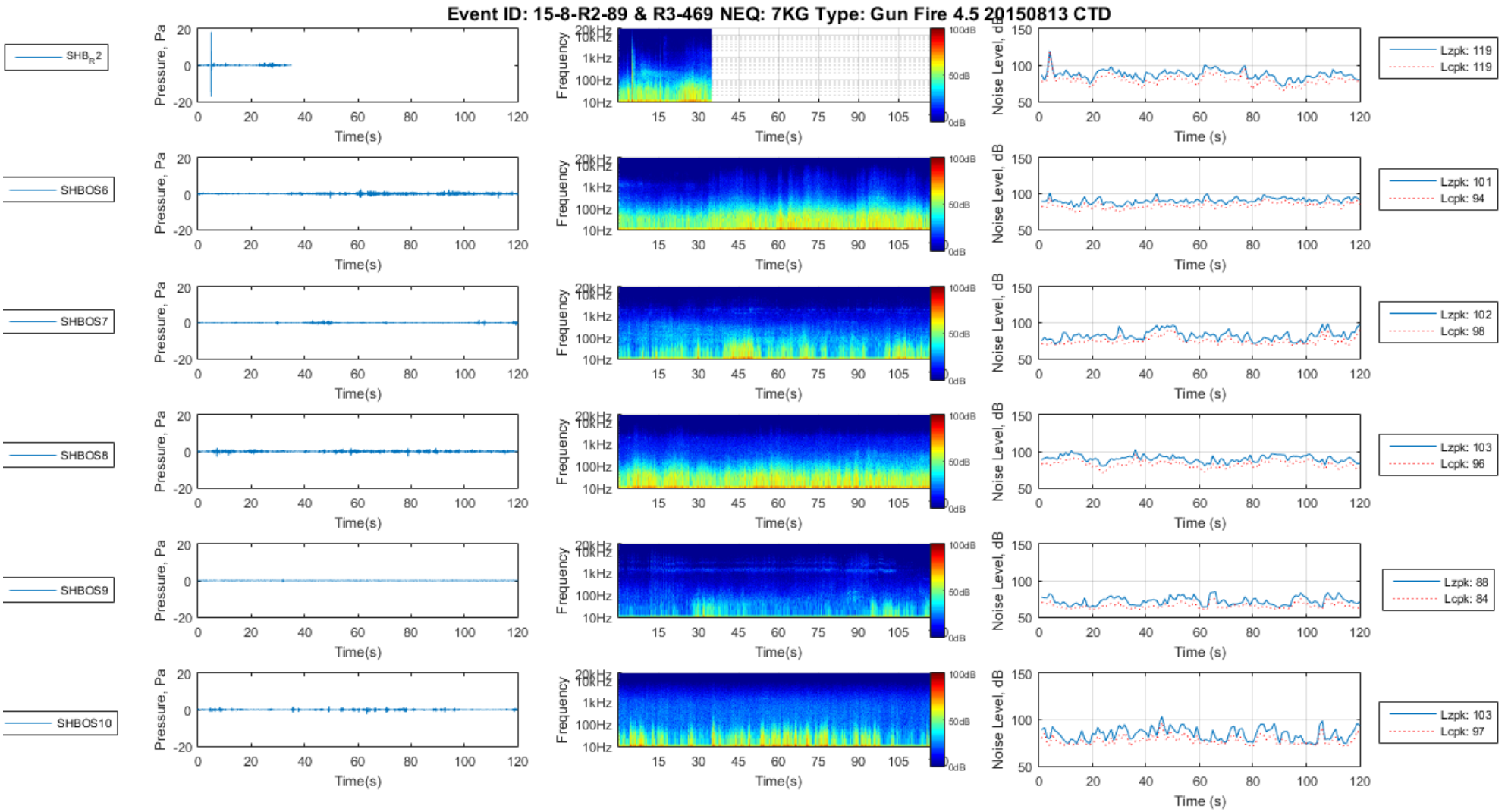


FIGURE 2.832: SHB_OS 6 - 10 15-8-R2-89 & R3-469

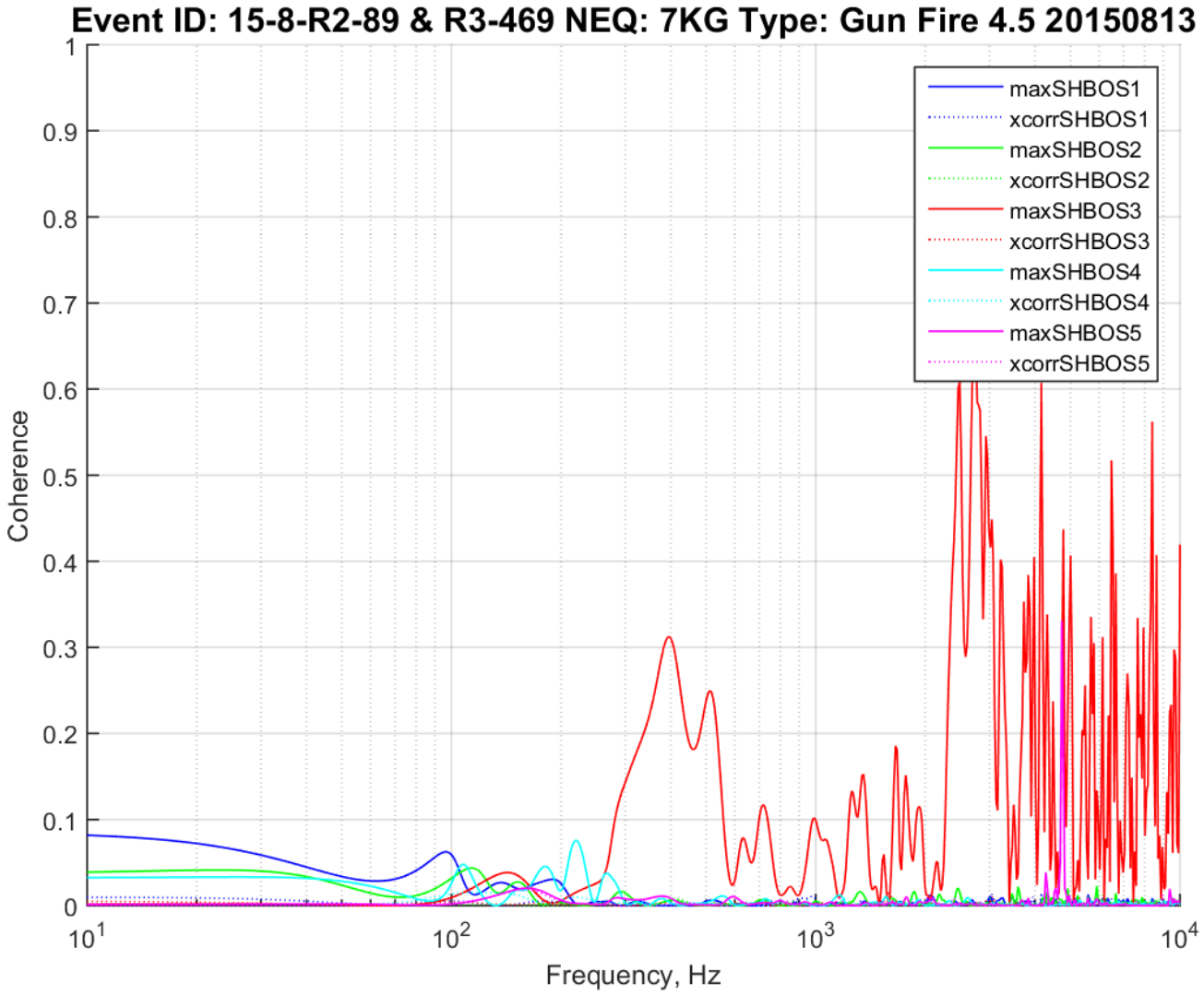


FIGURE 2.833: COHERENCE SHB_OS 1 - 5 15-8-R2-89 & R3-469

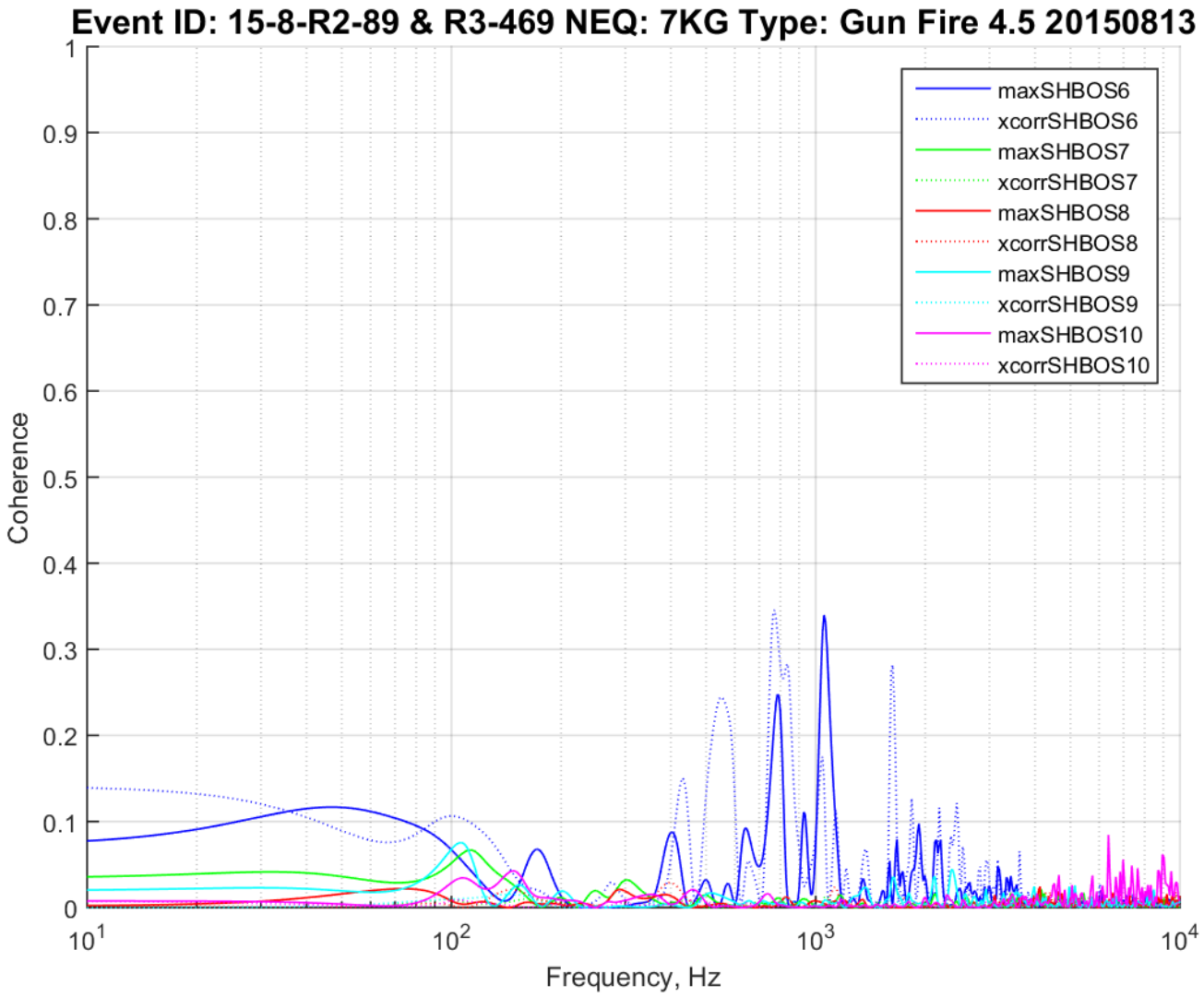


FIGURE 2.834: COHERENCE SHB_OS 6 - 10 15-8-R2-89 & R3-469CTD

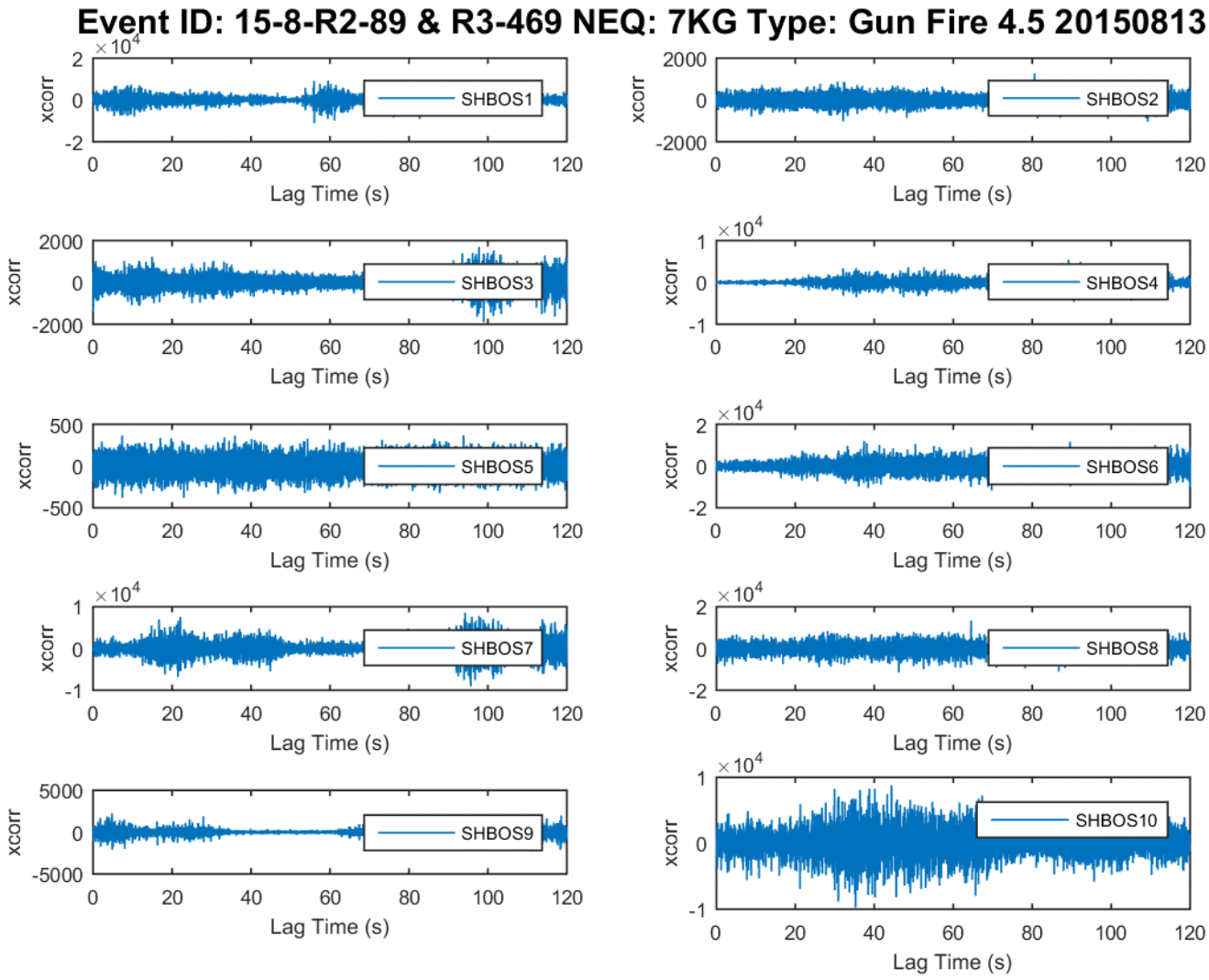


FIGURE 2.835: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-89 & R3-469

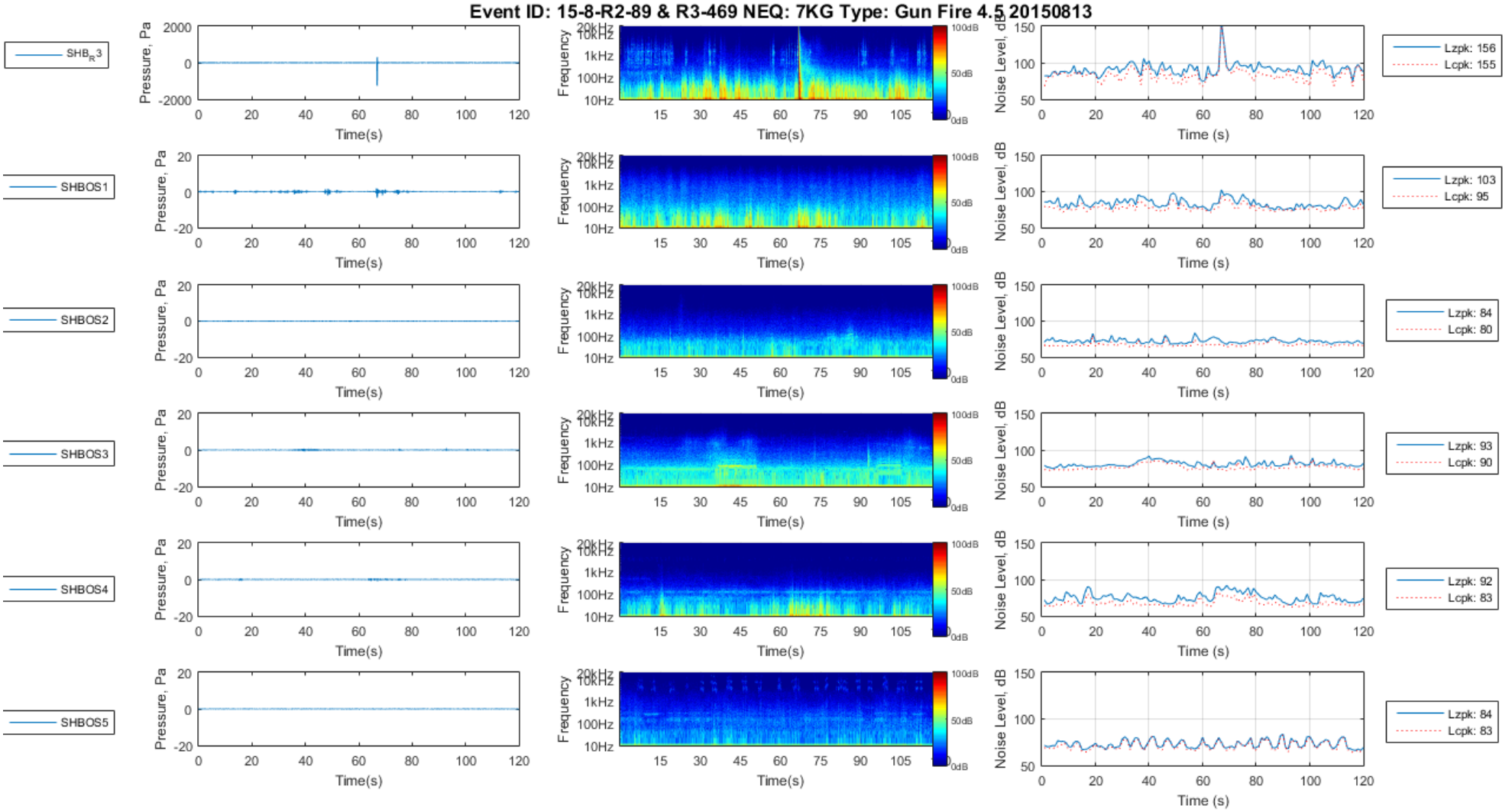


FIGURE 2.836: SHB_OS 1 - 5 15-8-R2-89 & R3-469

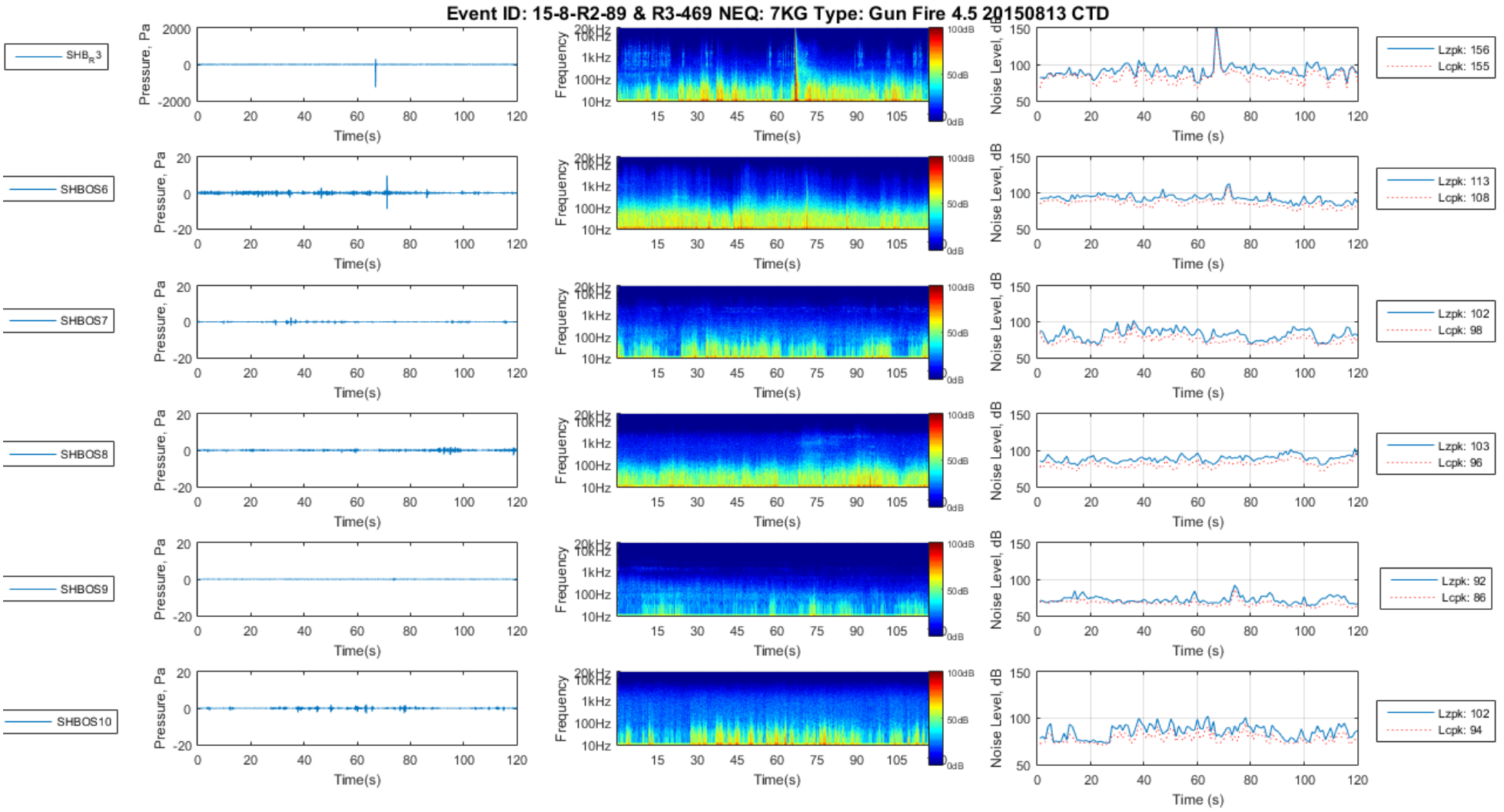


FIGURE 2.837: SHB_OS 6 - 10 15-8-R2-89 & R3-469

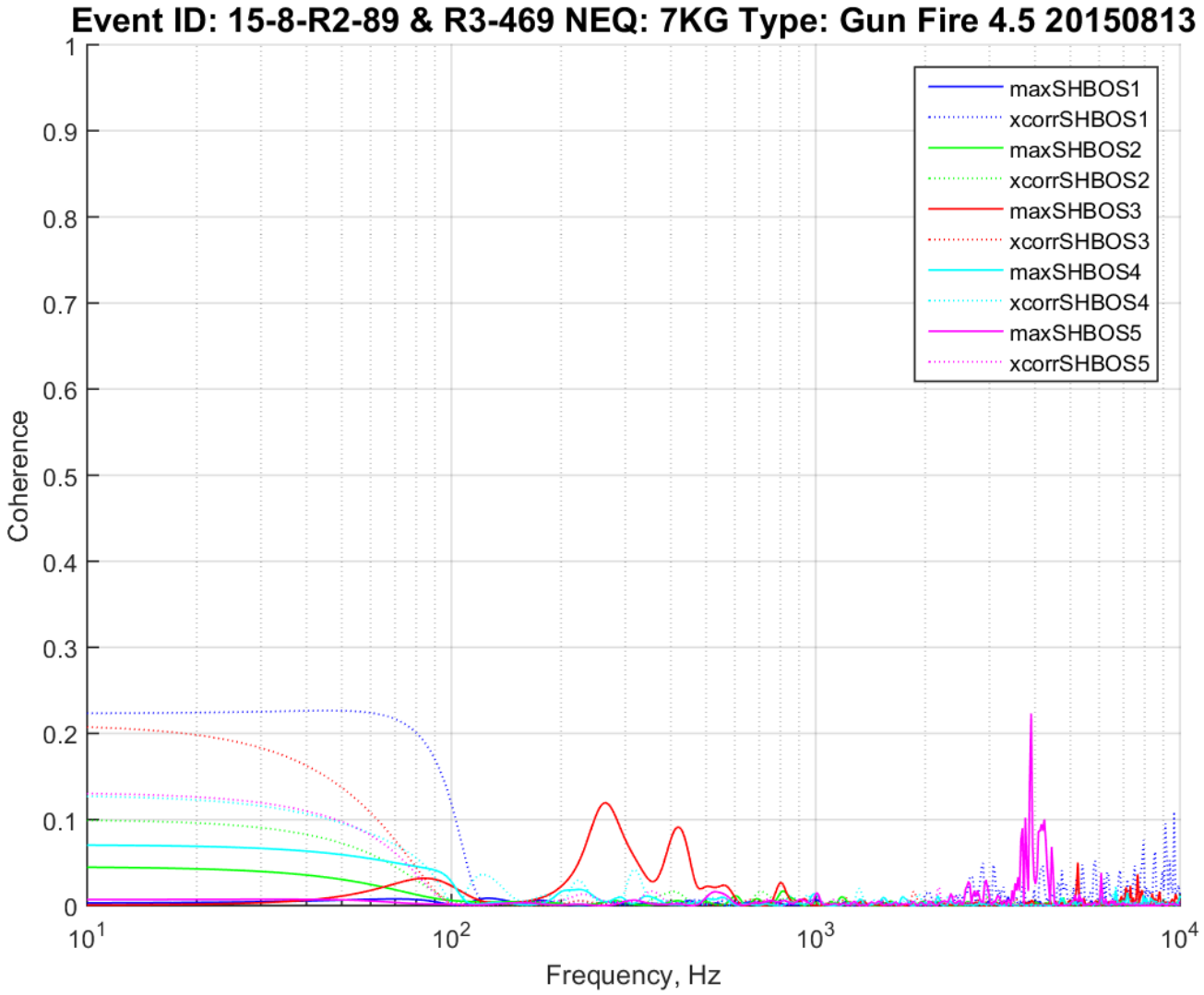


FIGURE 2.838: COHERENCE SHB_OS 1 - 5 15-8-R2-89 & R3-469

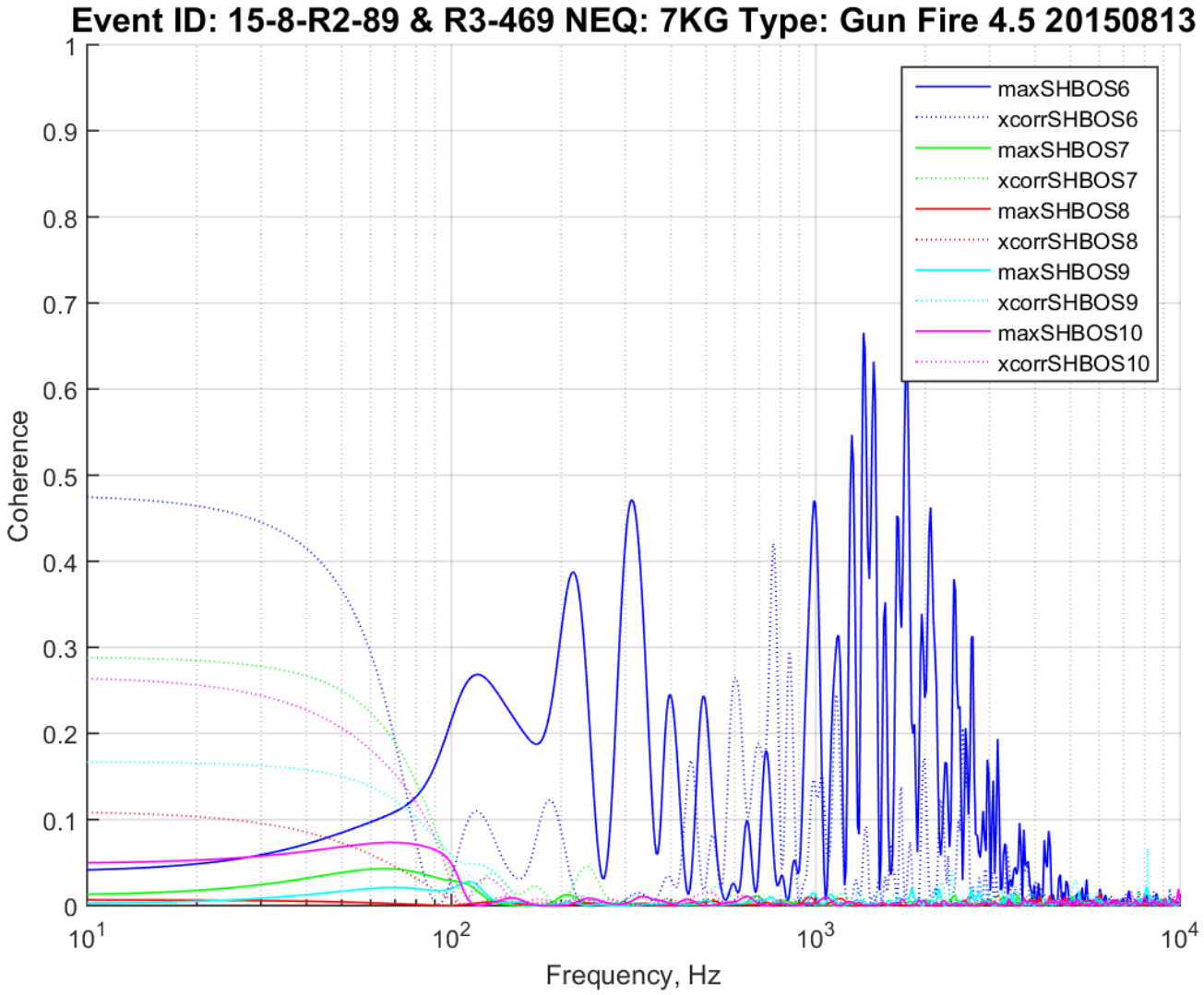


FIGURE 2.839: COHERENCE SHB_OS 6 - 10 15-8-R2-89 & R3-469CTD

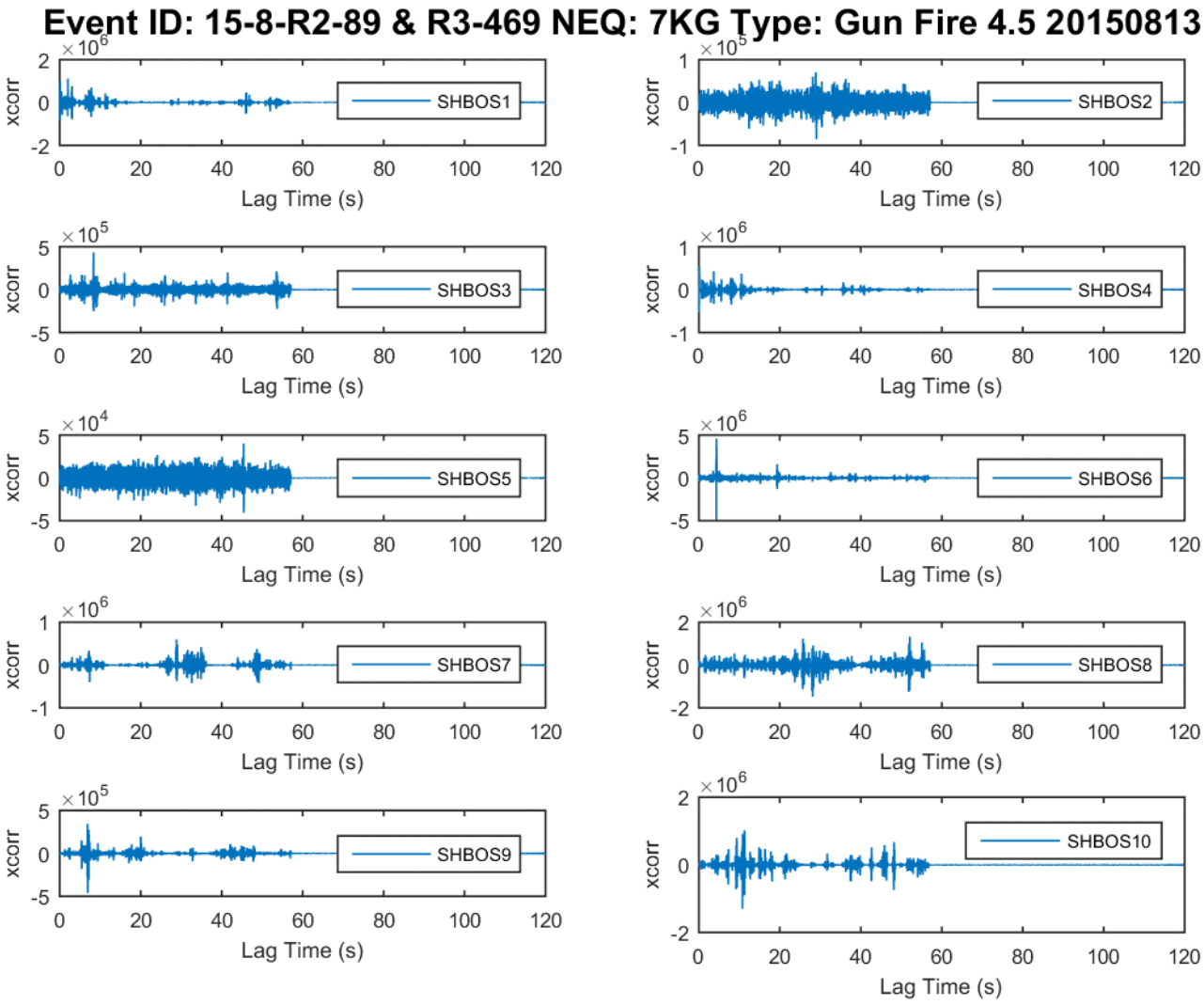


FIGURE 2.840: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-89 & R3-469

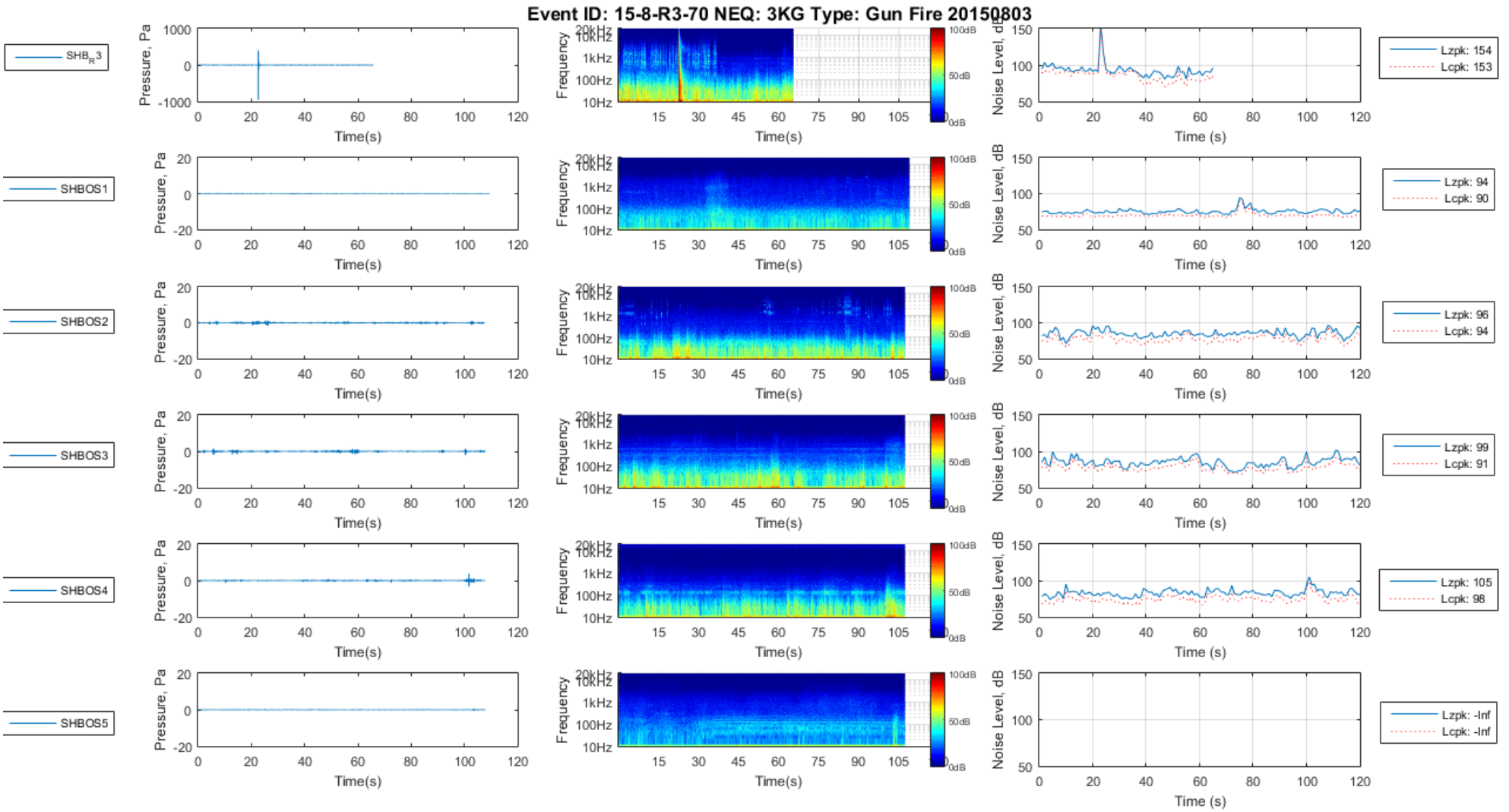


FIGURE 2.841: SHB_OS 1 - 5 15-8-R3-70

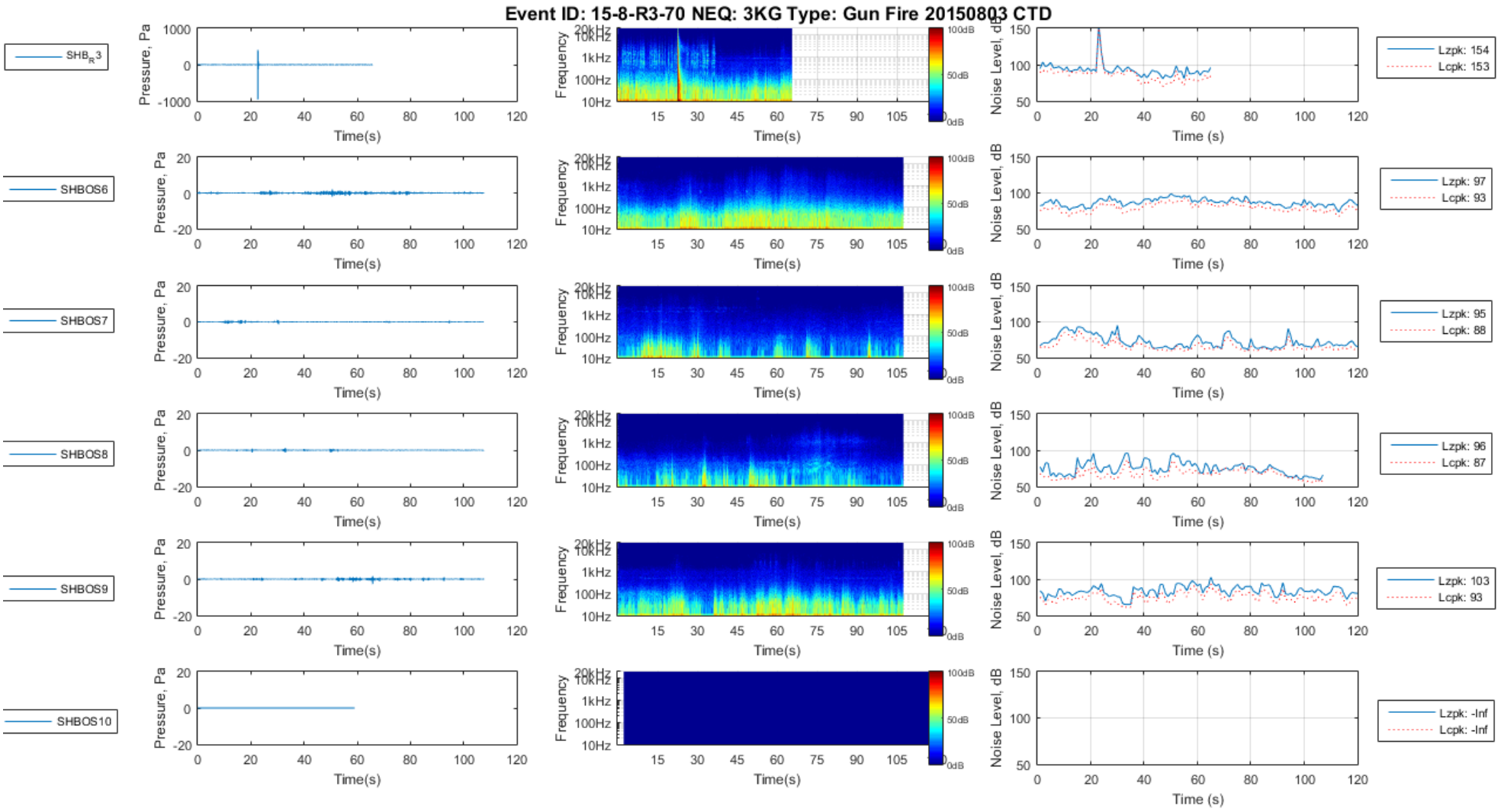


FIGURE 2.842: SHB_OS 6 - 10 15-8-R3-70

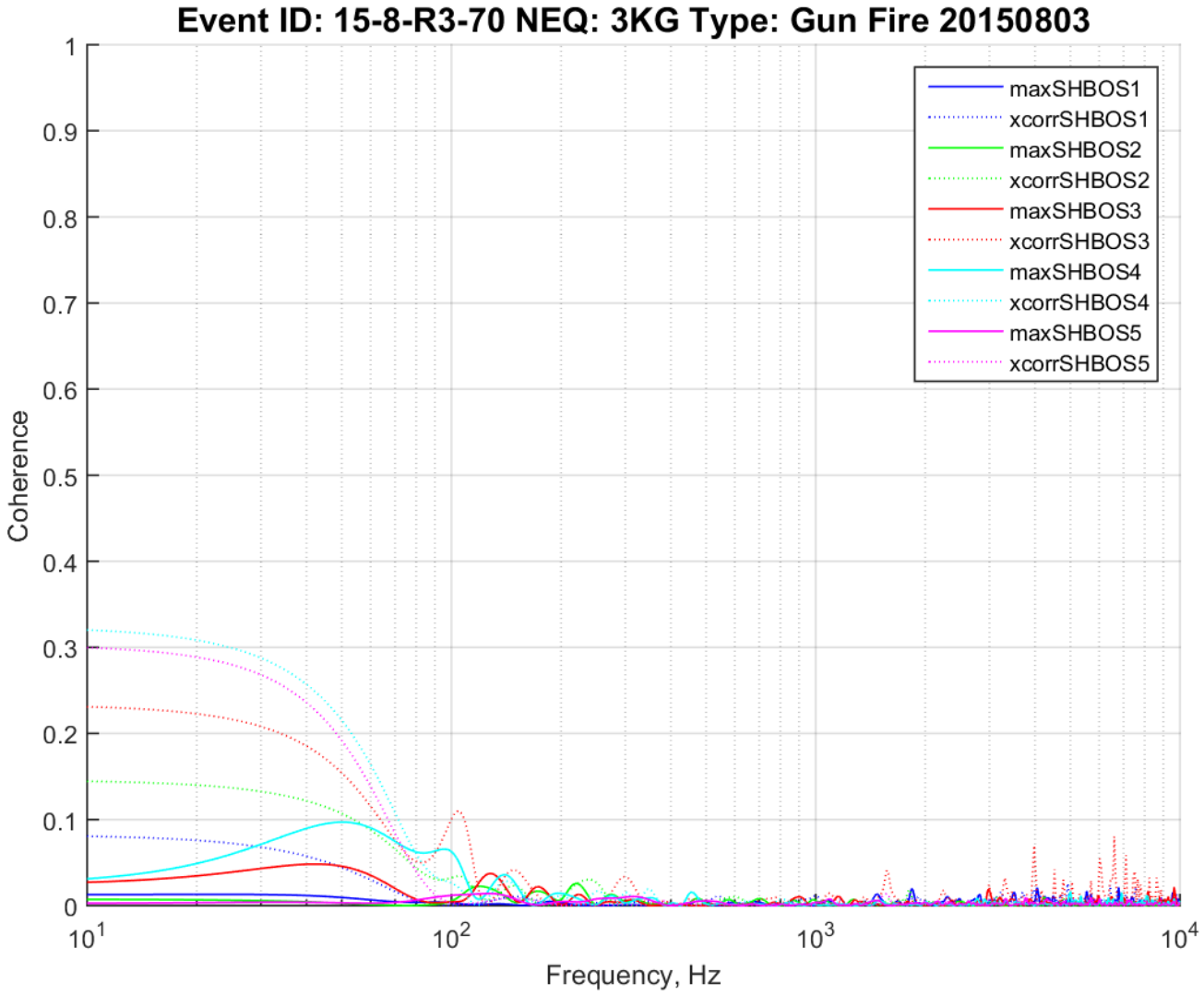


FIGURE 2.843: COHERENCE SHB_OS 1 - 5 15-8-R3-70

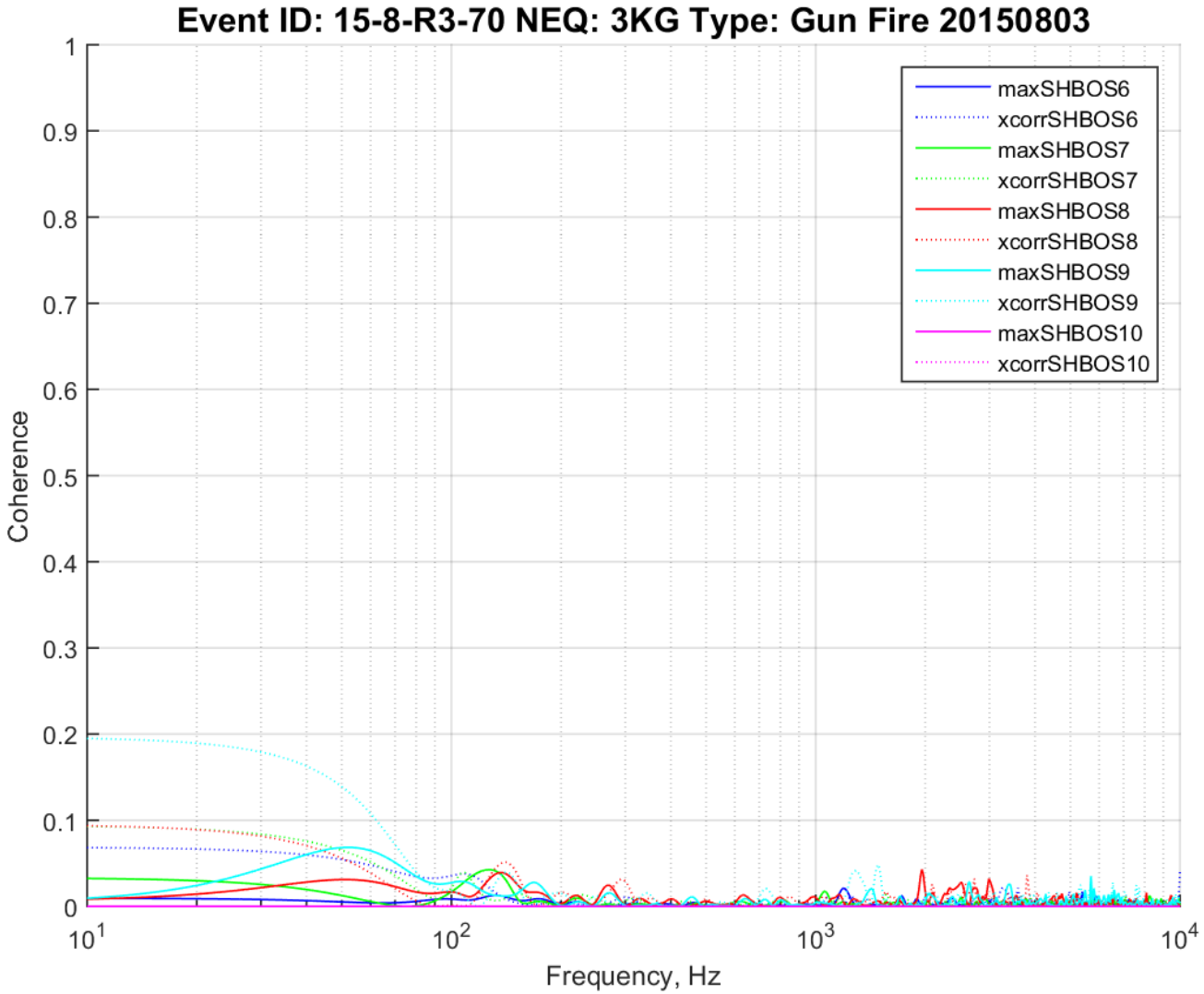


FIGURE 2.844: COHERENCE SHB_OS 6 - 10 15-8-R3-70CTD

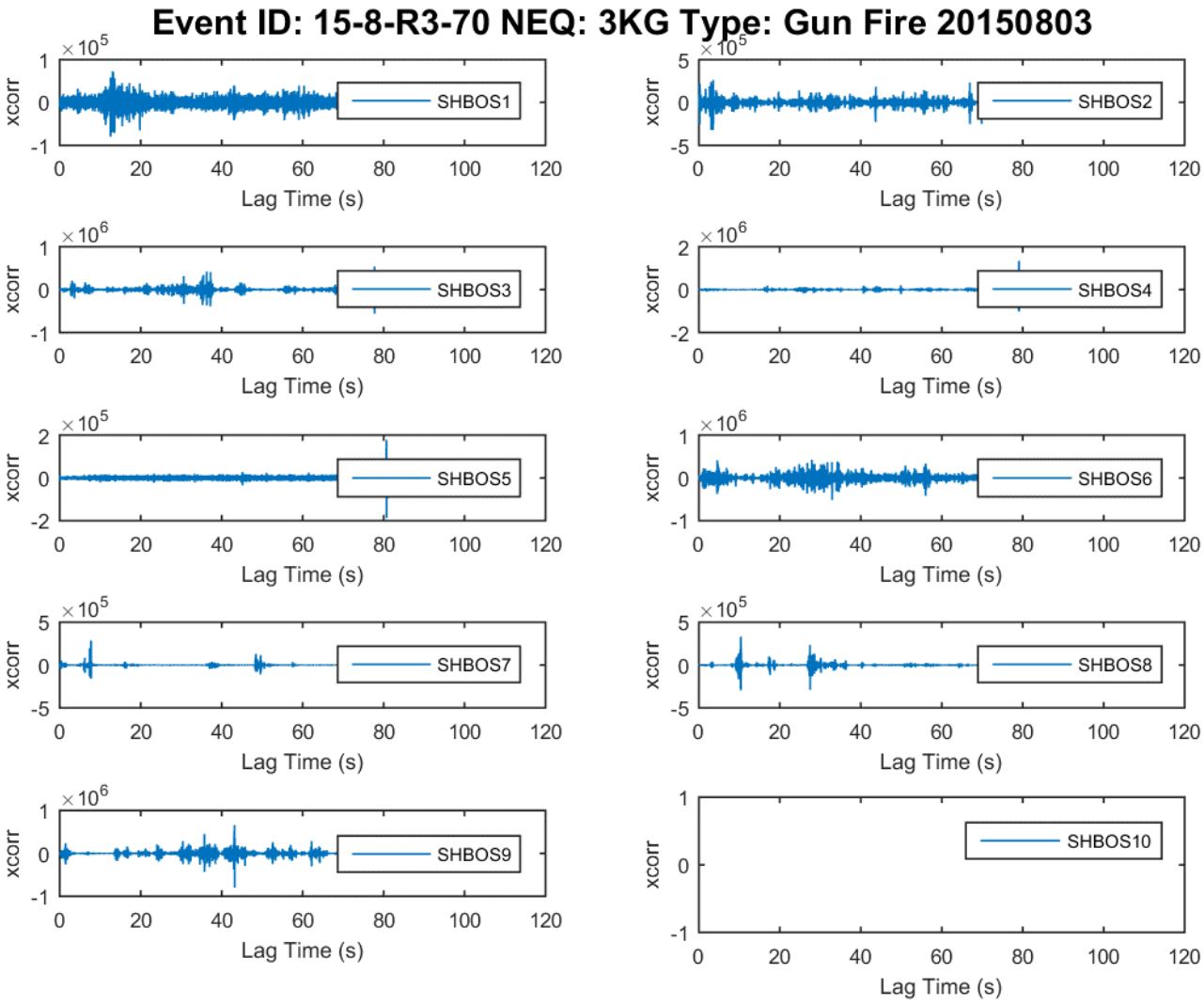


FIGURE 2.845: CROSS CORRELATION SHB_OS 1 - 10 15-8-R3-70

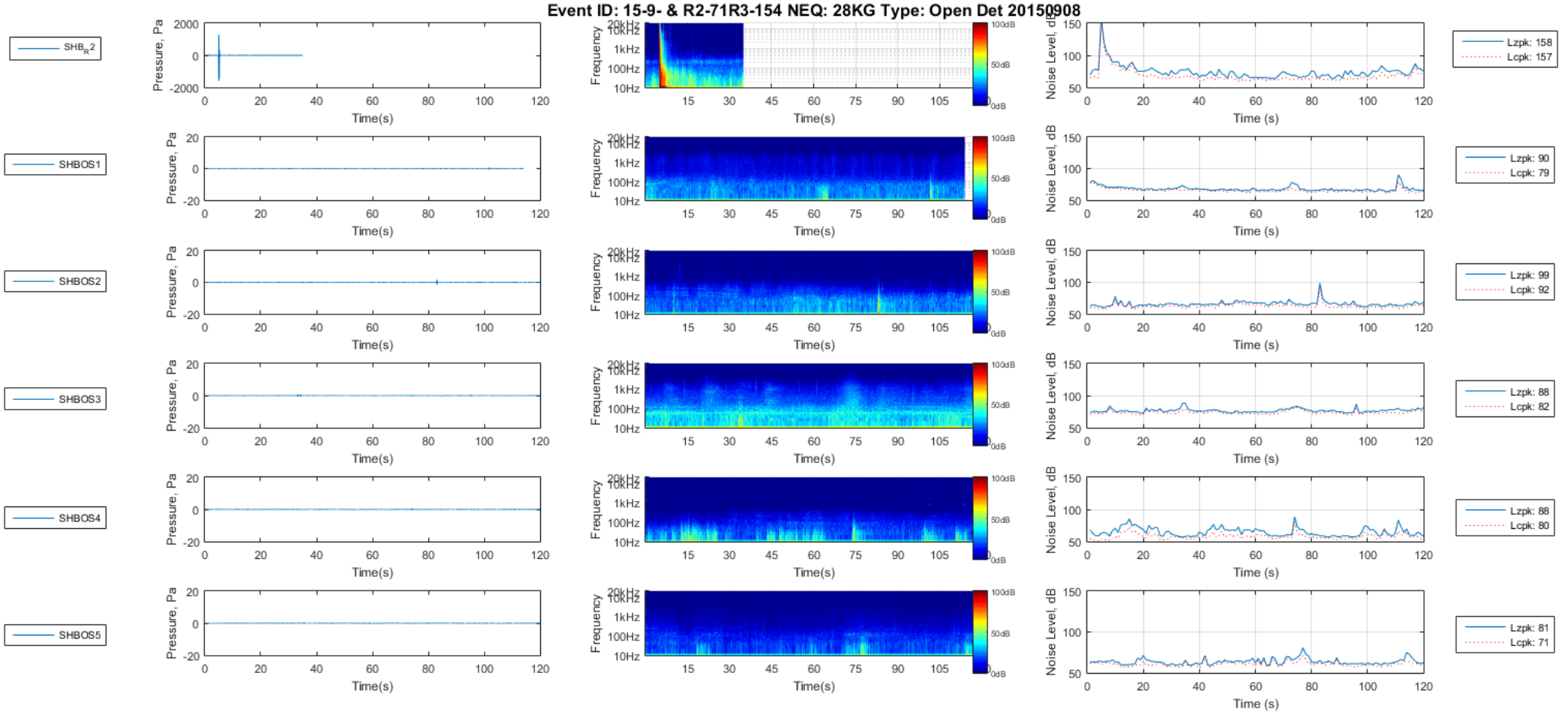


FIGURE 2.846: SHB_OS 1 - 5 15-9- & R2-71R3-154

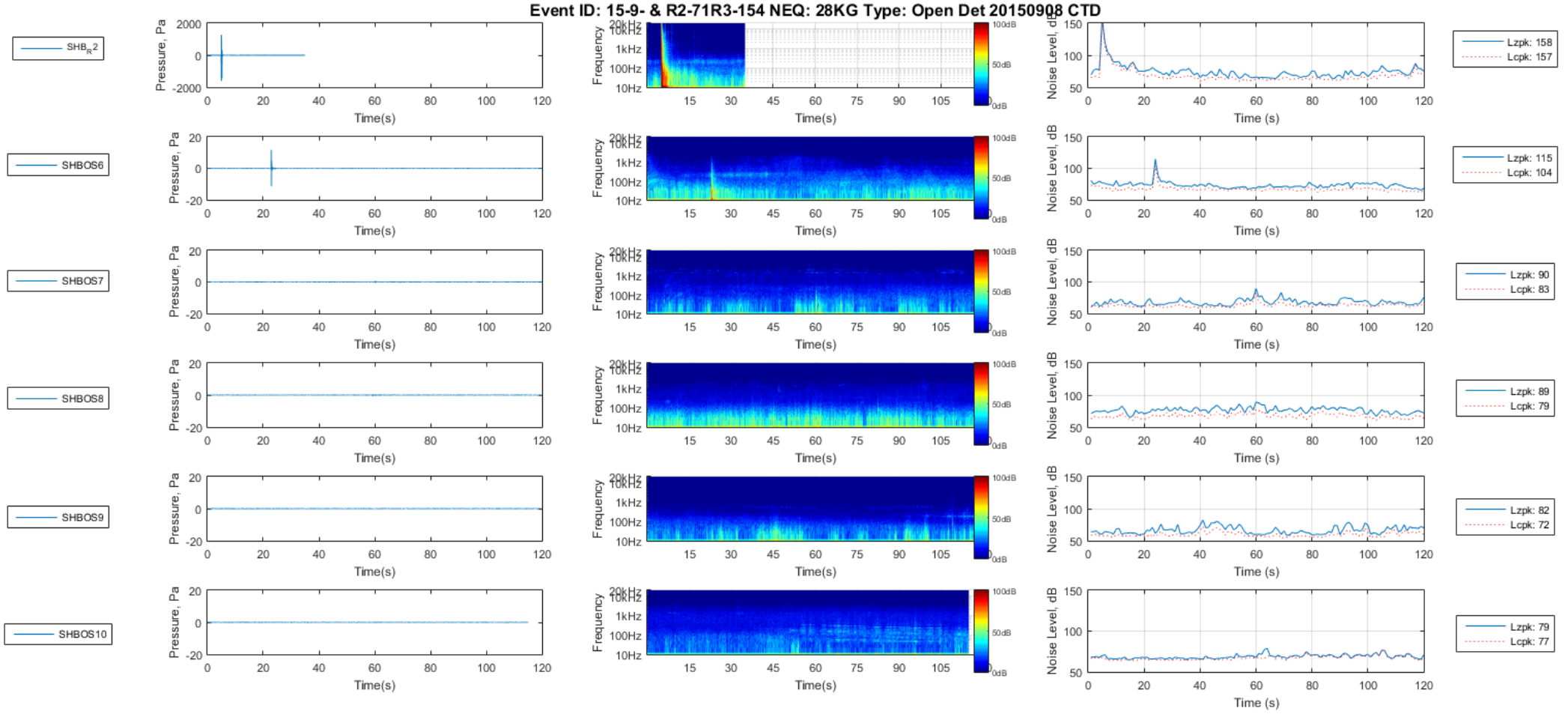


FIGURE 2.847: SHB_OS 6 - 10 15-9- & R2-71R3-154

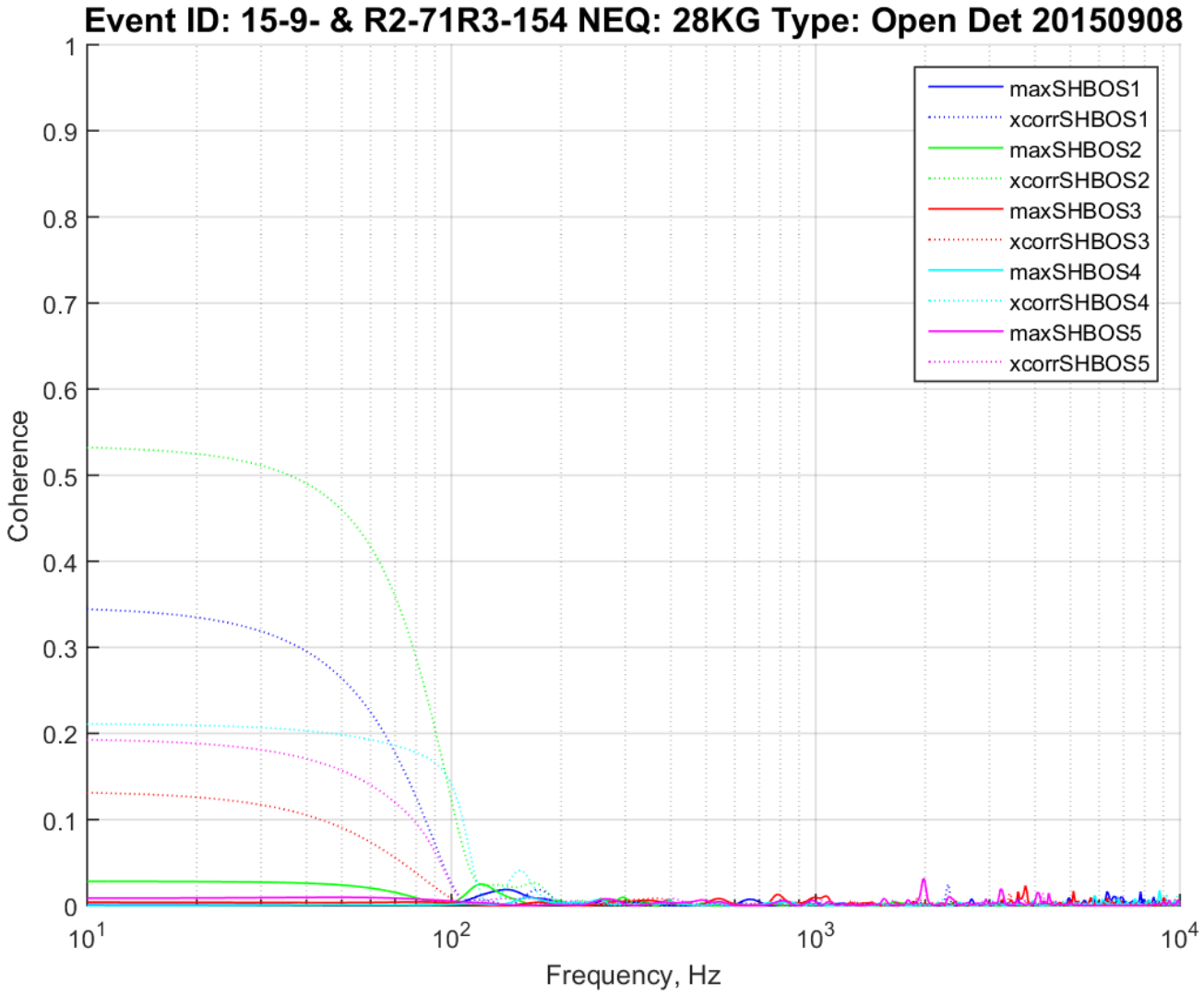


FIGURE 2.848: COHERENCE SHB_OS 1 - 5 15-9- & R2-71R3-154

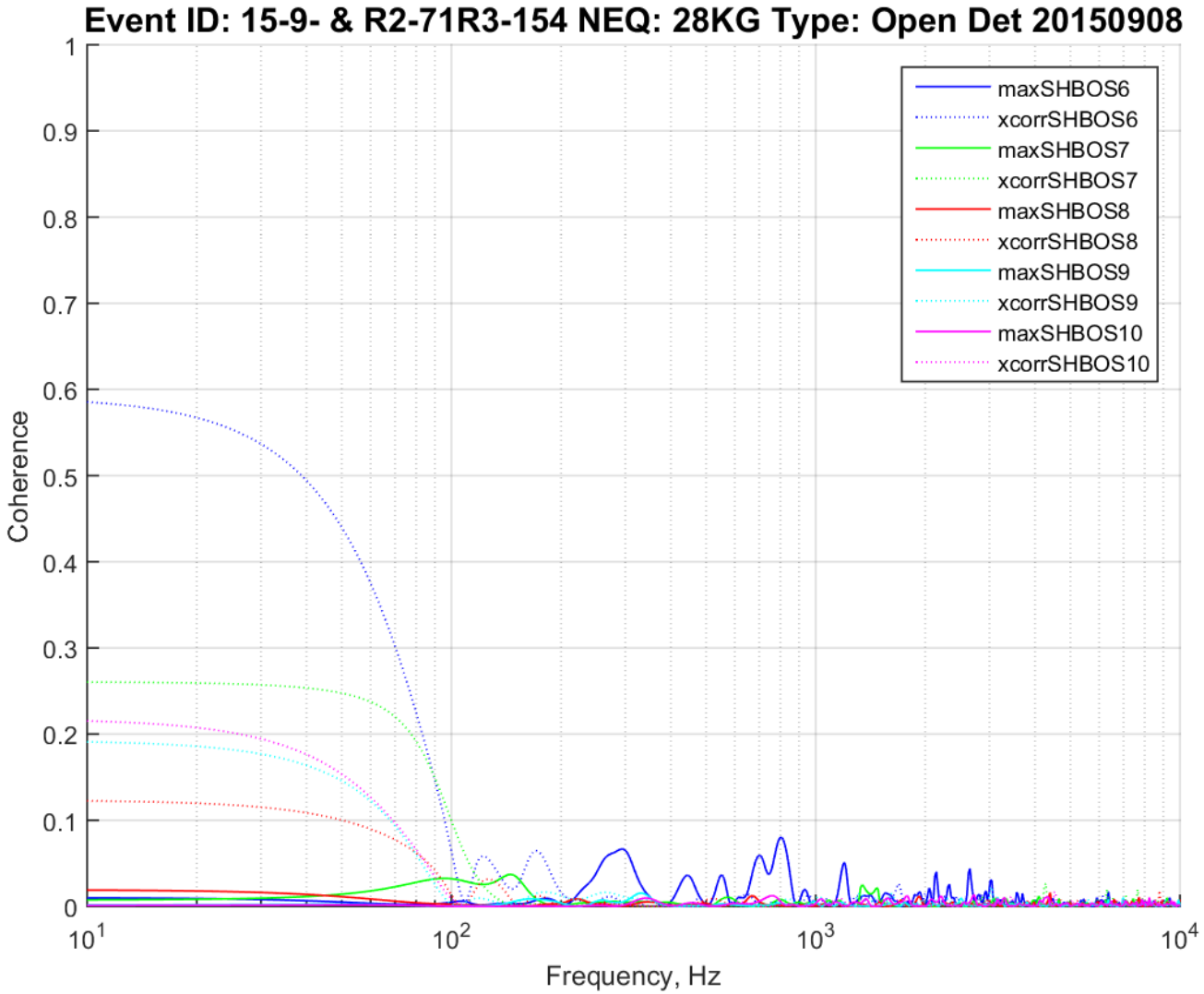


FIGURE 2.849: COHERENCE SHB_OS 6 - 10 15-9- & R2-71R3-154CTD

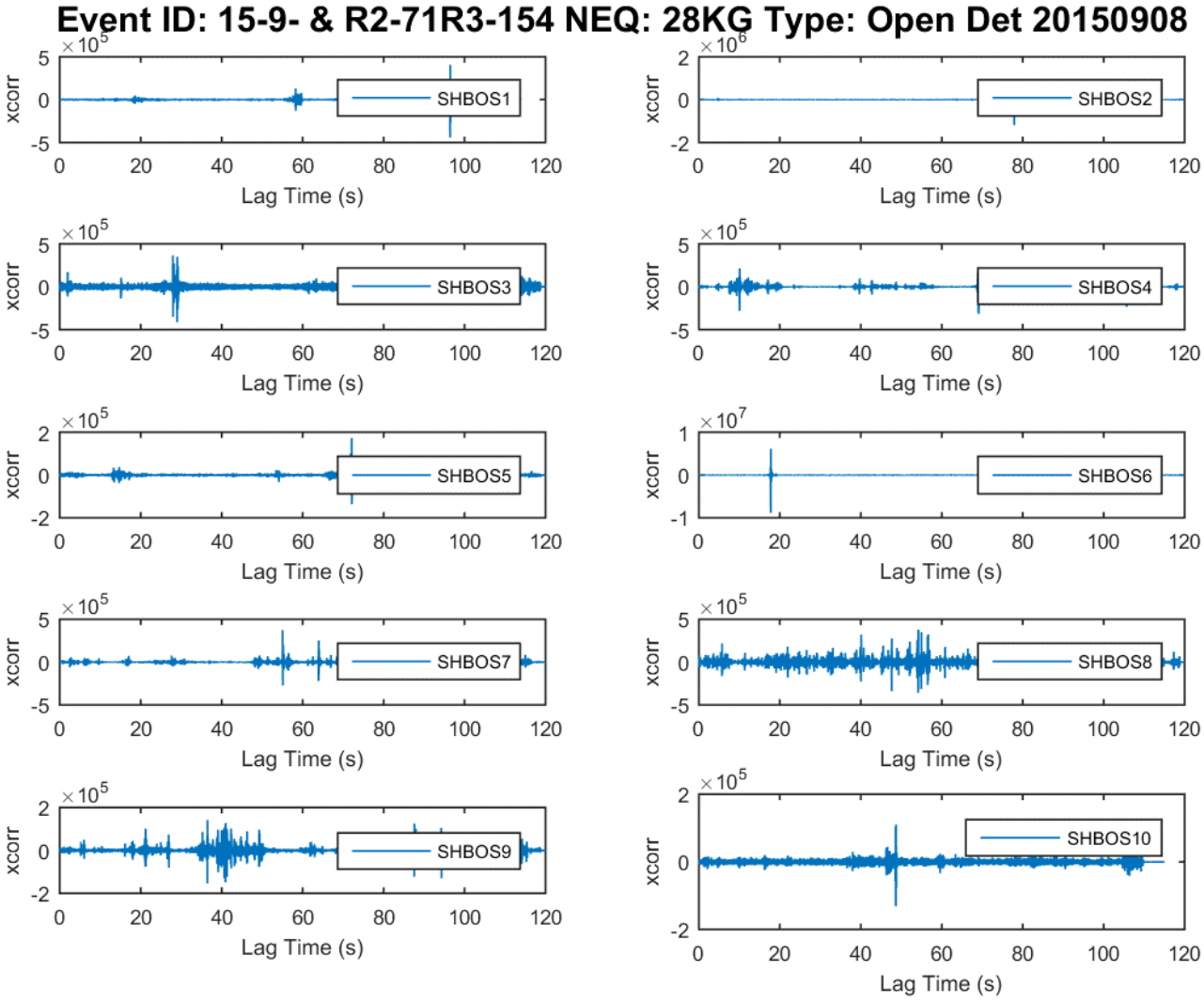


FIGURE 2.850: CROSS CORRELATION SHB_OS 1 - 10 15-9- & R2-71R3-154

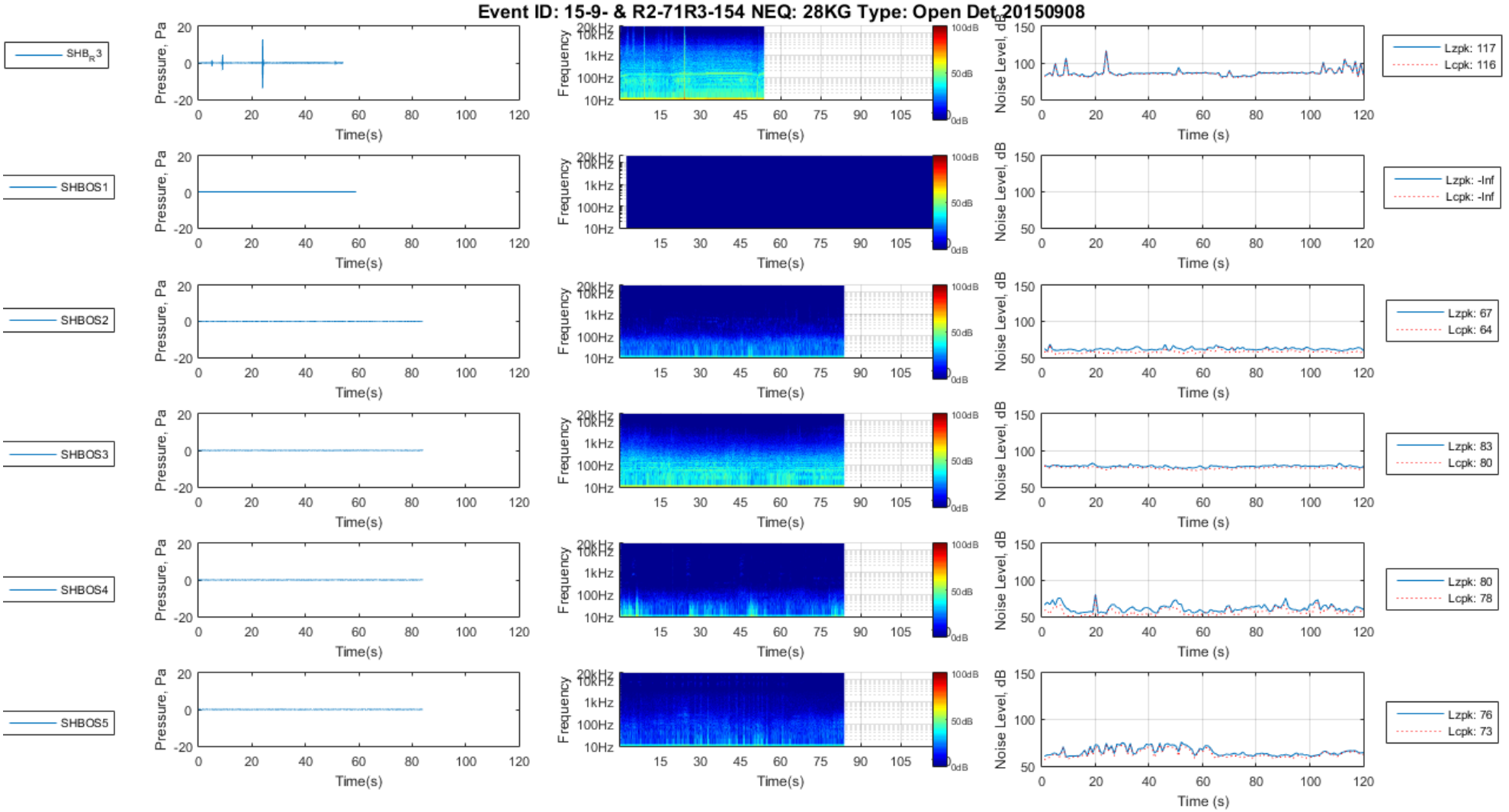


FIGURE 2.851: SHB_OS 1 - 5 15-9- & R2-71R3-154

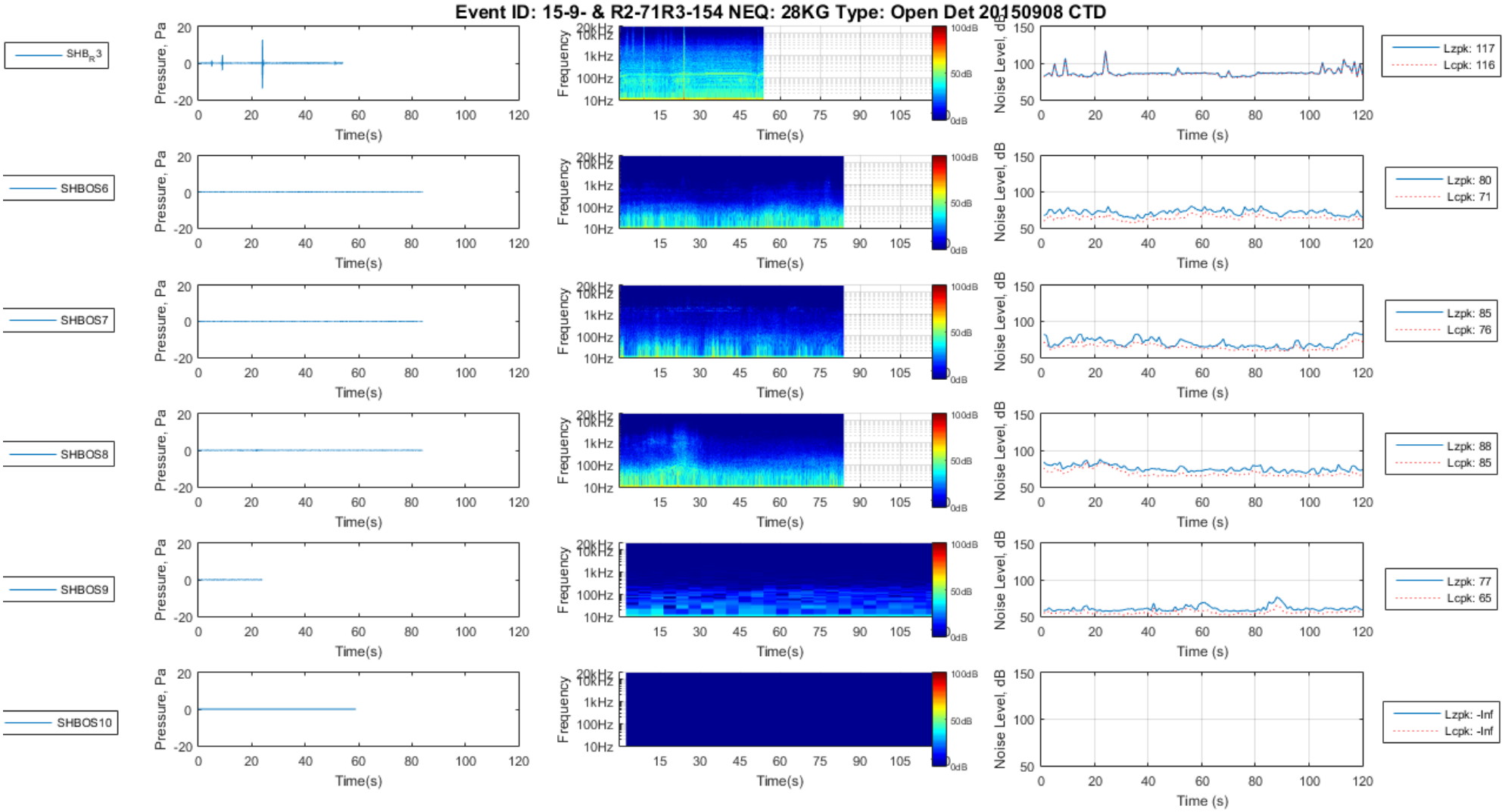


FIGURE 2.852: SHB_OS 6 - 10 15-9- & R2-71R3-154

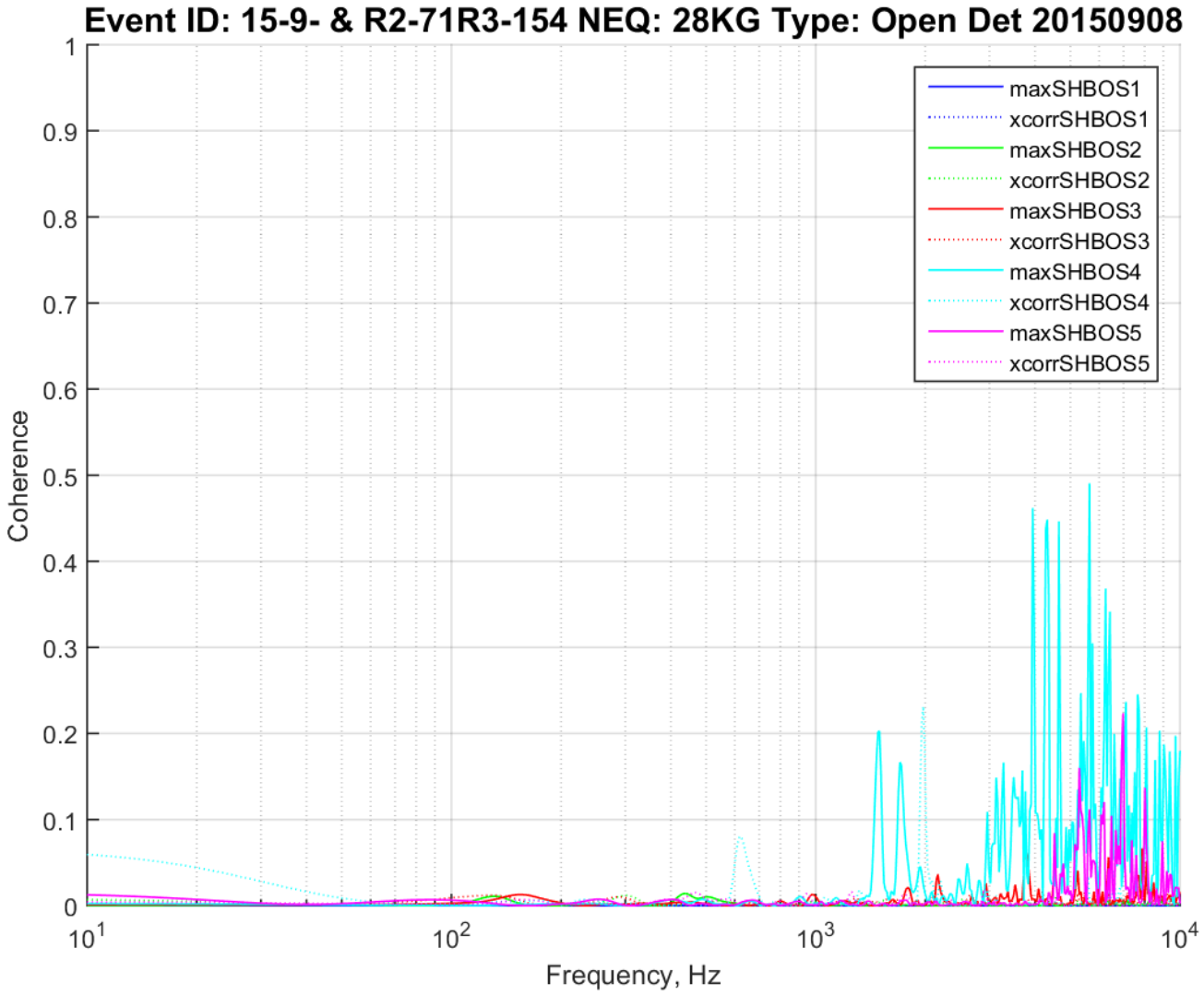


FIGURE 2.853: COHERENCE SHB_OS 1 - 5 15-9- & R2-71R3-154

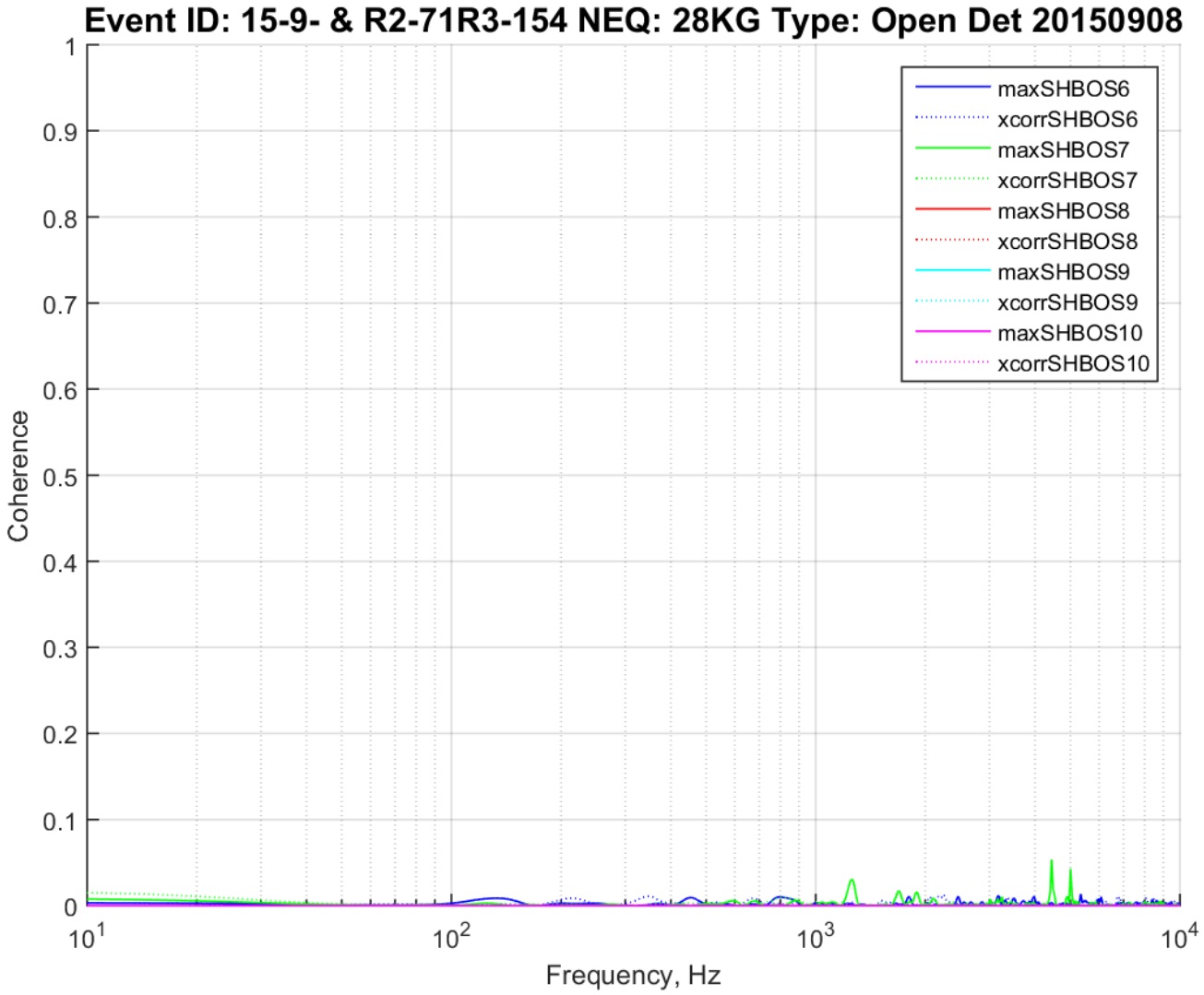


FIGURE 2.854: COHERENCE SHB_OS 6 - 10 15-9- & R2-71R3-154CTD

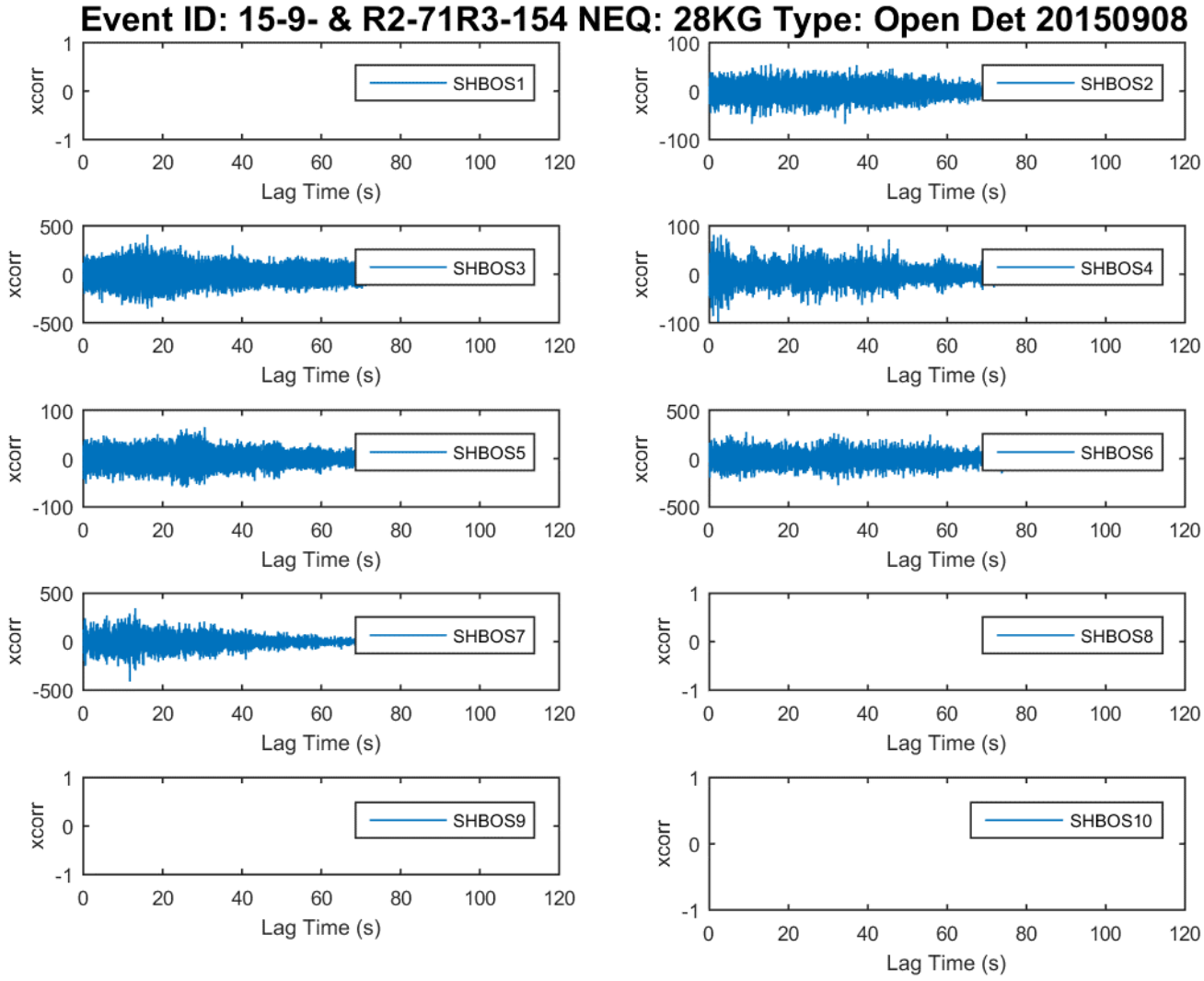


FIGURE 2.855: CROSS CORRELATION SHB_OS 1 - 10 15-9- & R2-71R3-154

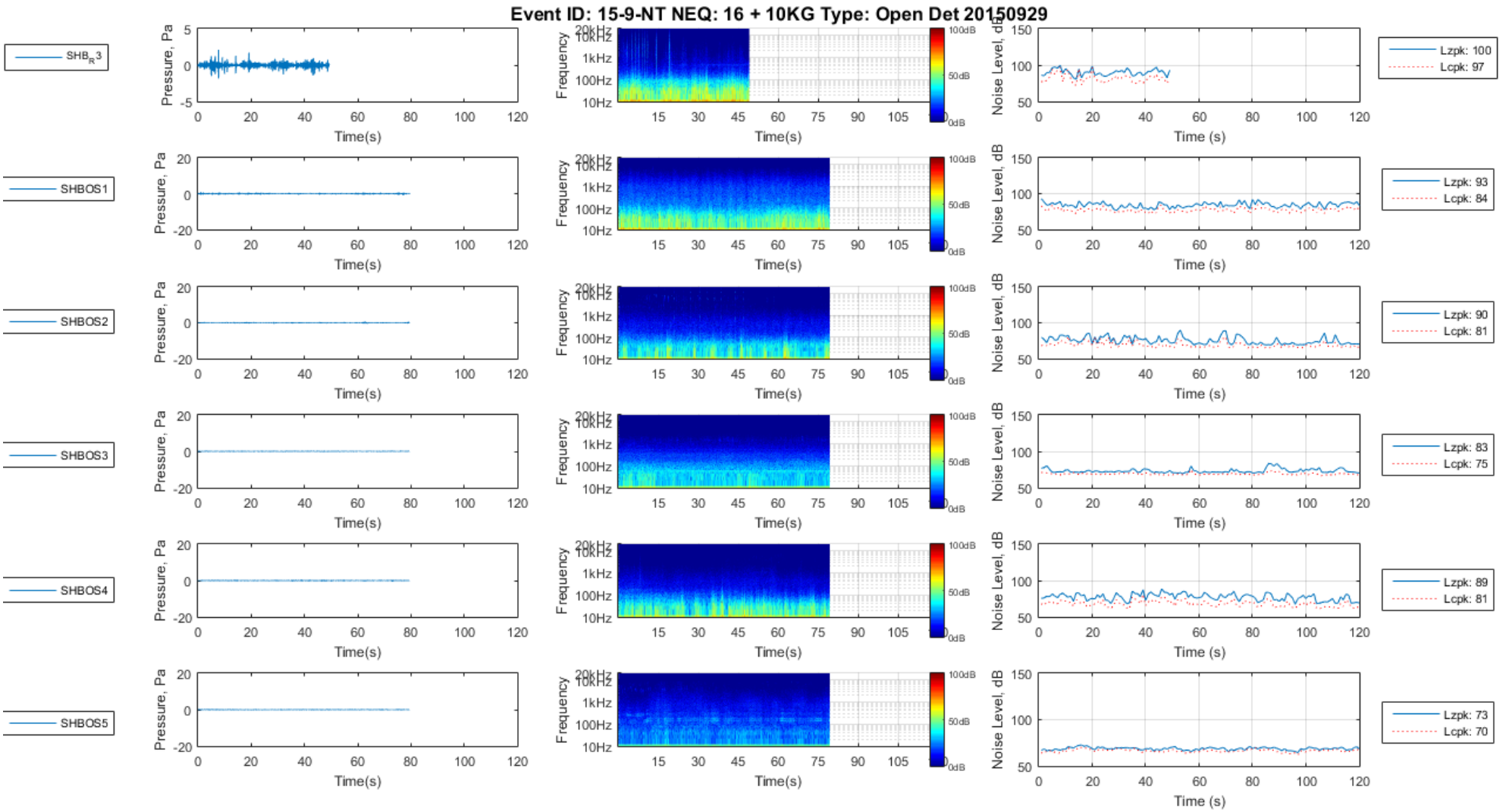


FIGURE 2.856: SHB_OS 1 - 5 15-9-NT

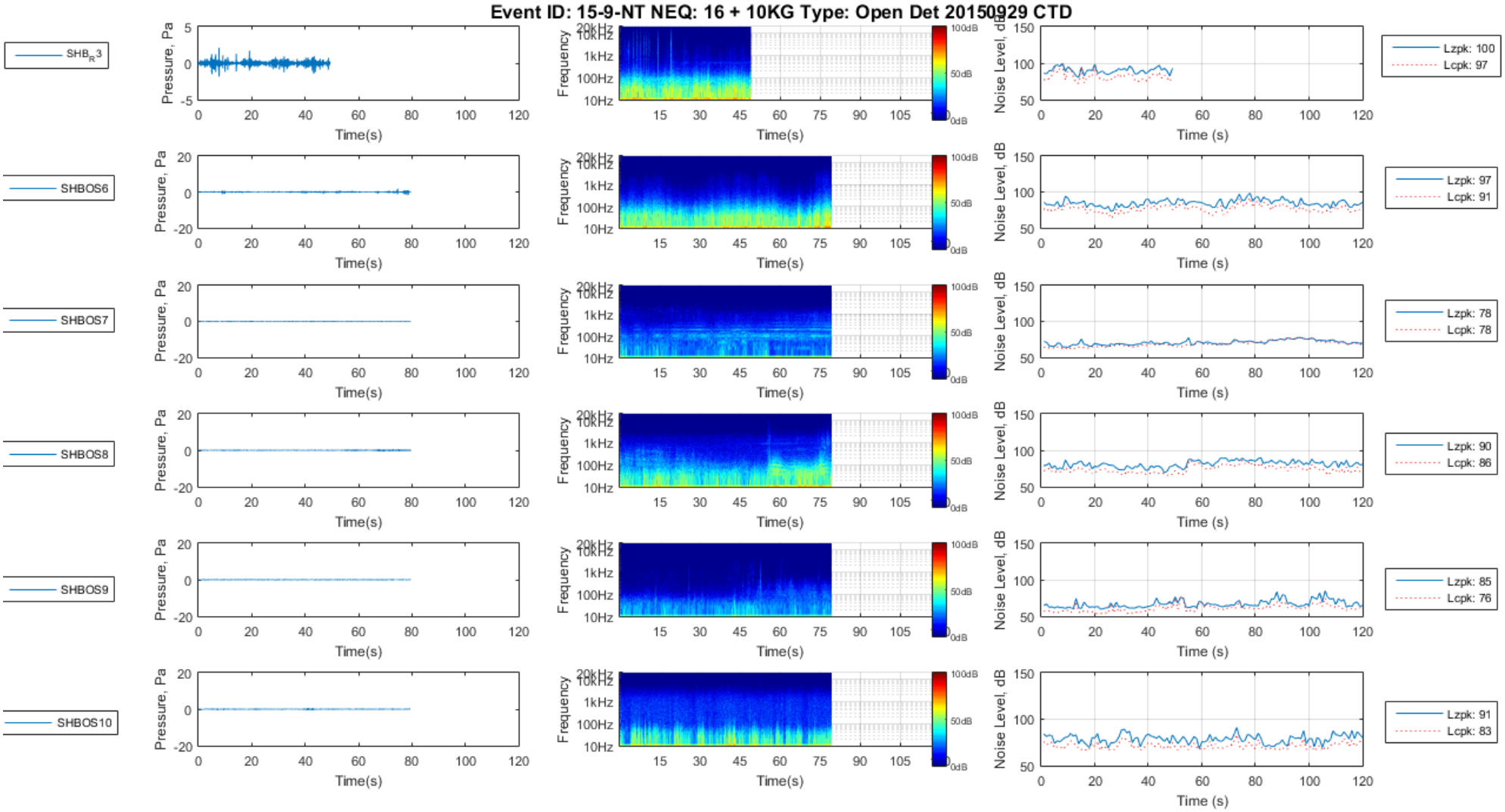


FIGURE 2.857: SHB_OS 6 - 10 15-9-NT

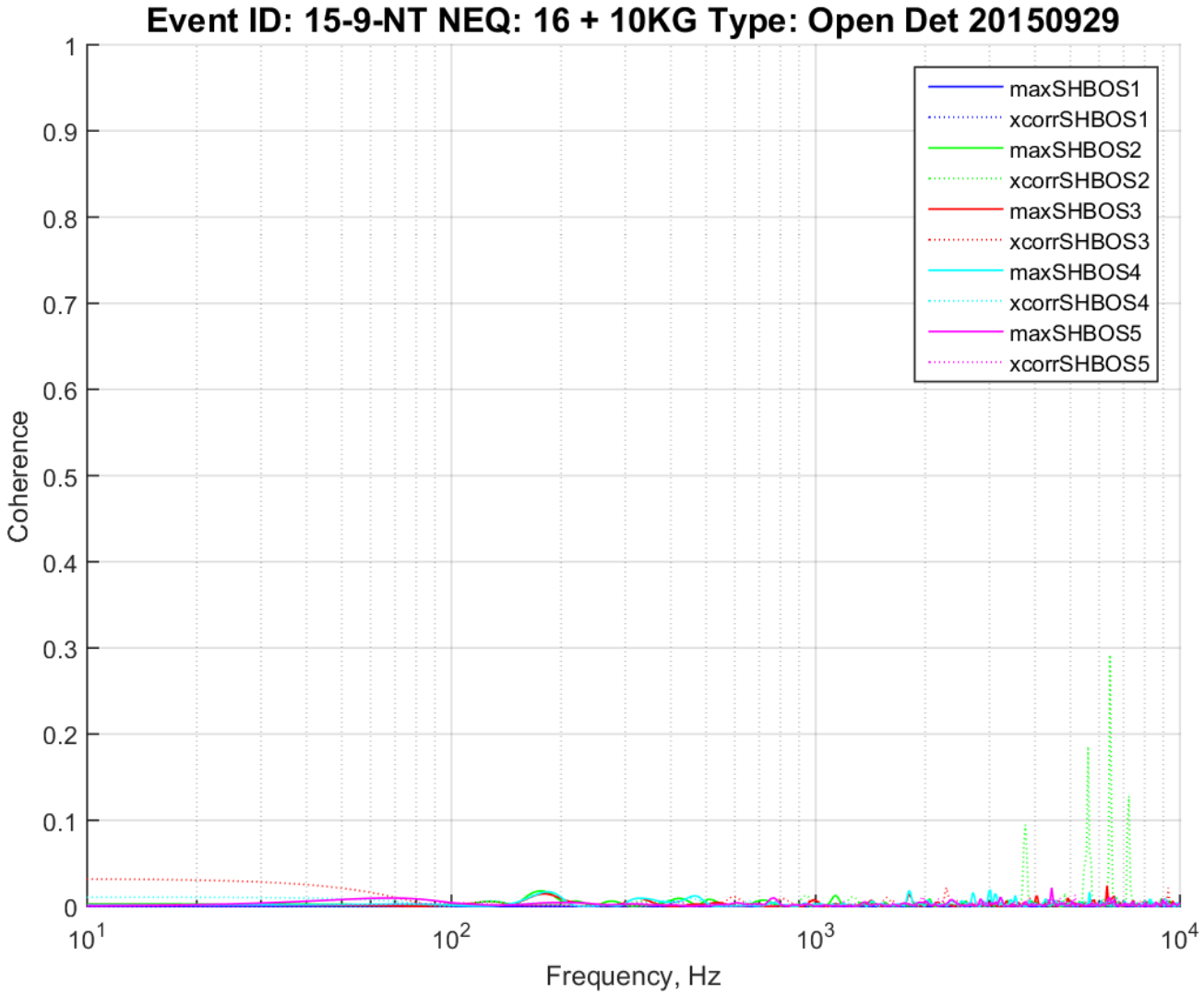


FIGURE 2.858: COHERENCE SHB_OS 1 - 5 15-9-NT

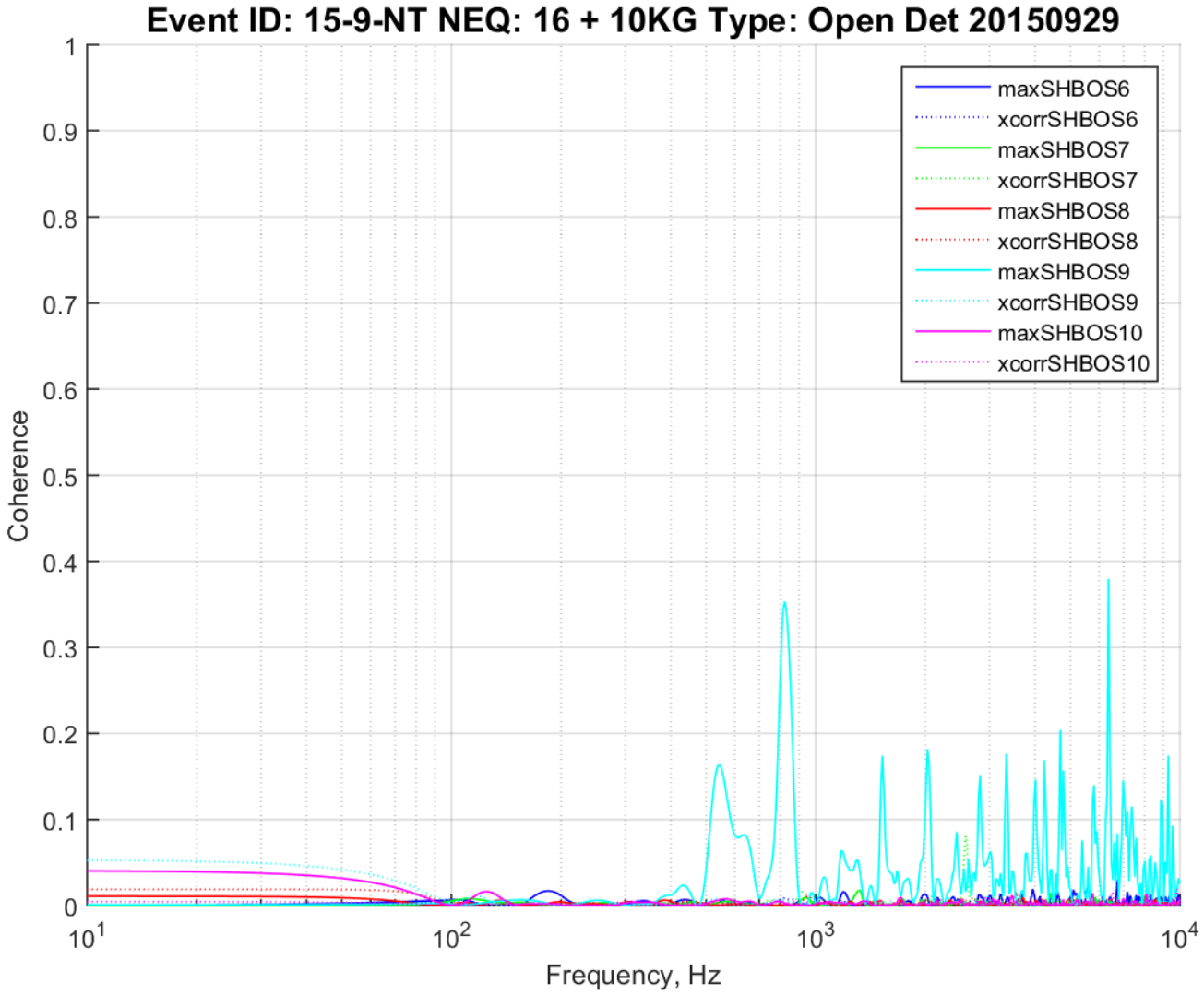


FIGURE 2.859: COHERENCE SHB_OS 6 - 10 15-9-NTCTD

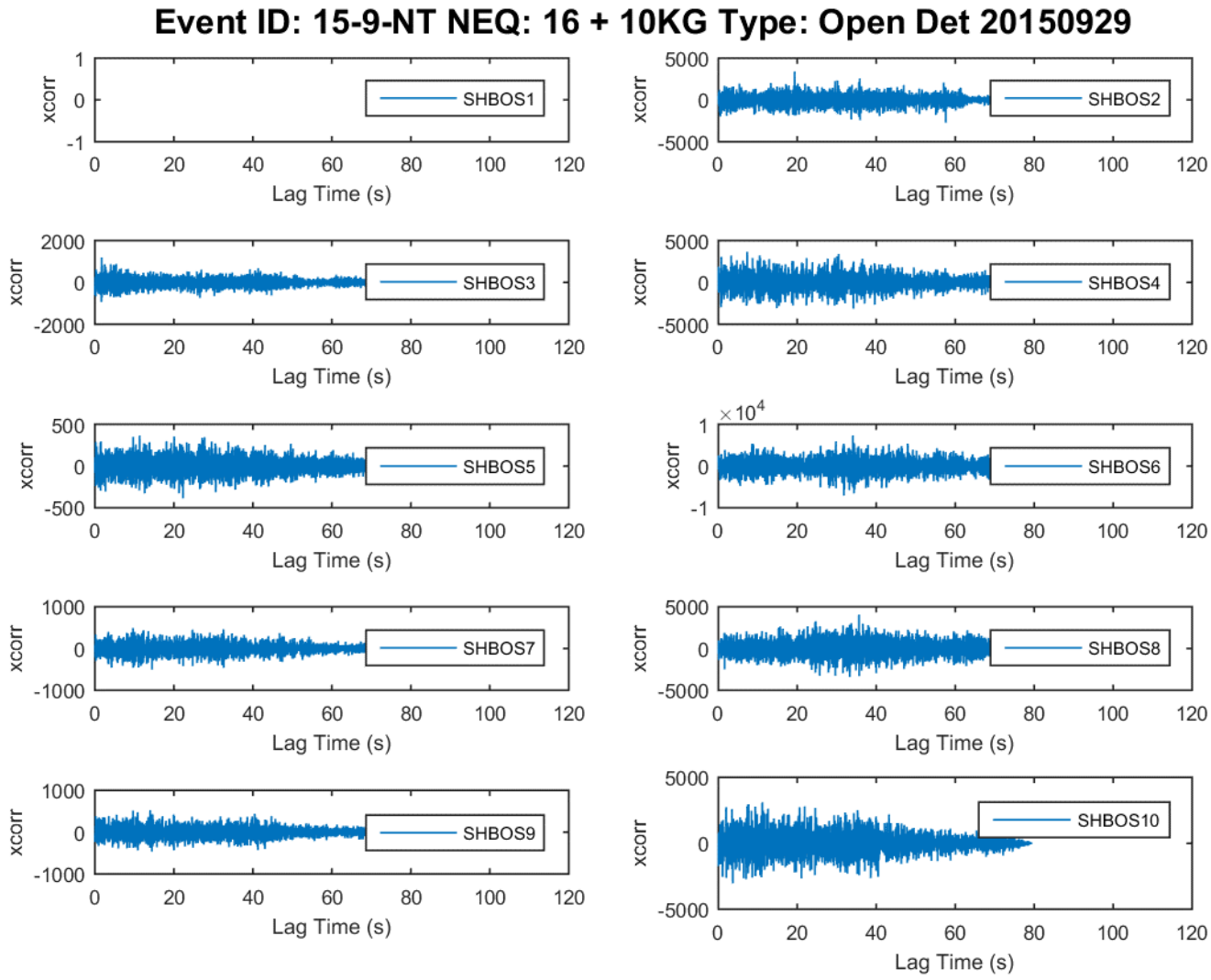


FIGURE 2.860: CROSS CORRELATION SHB_OS 1 - 10 15-9-NT

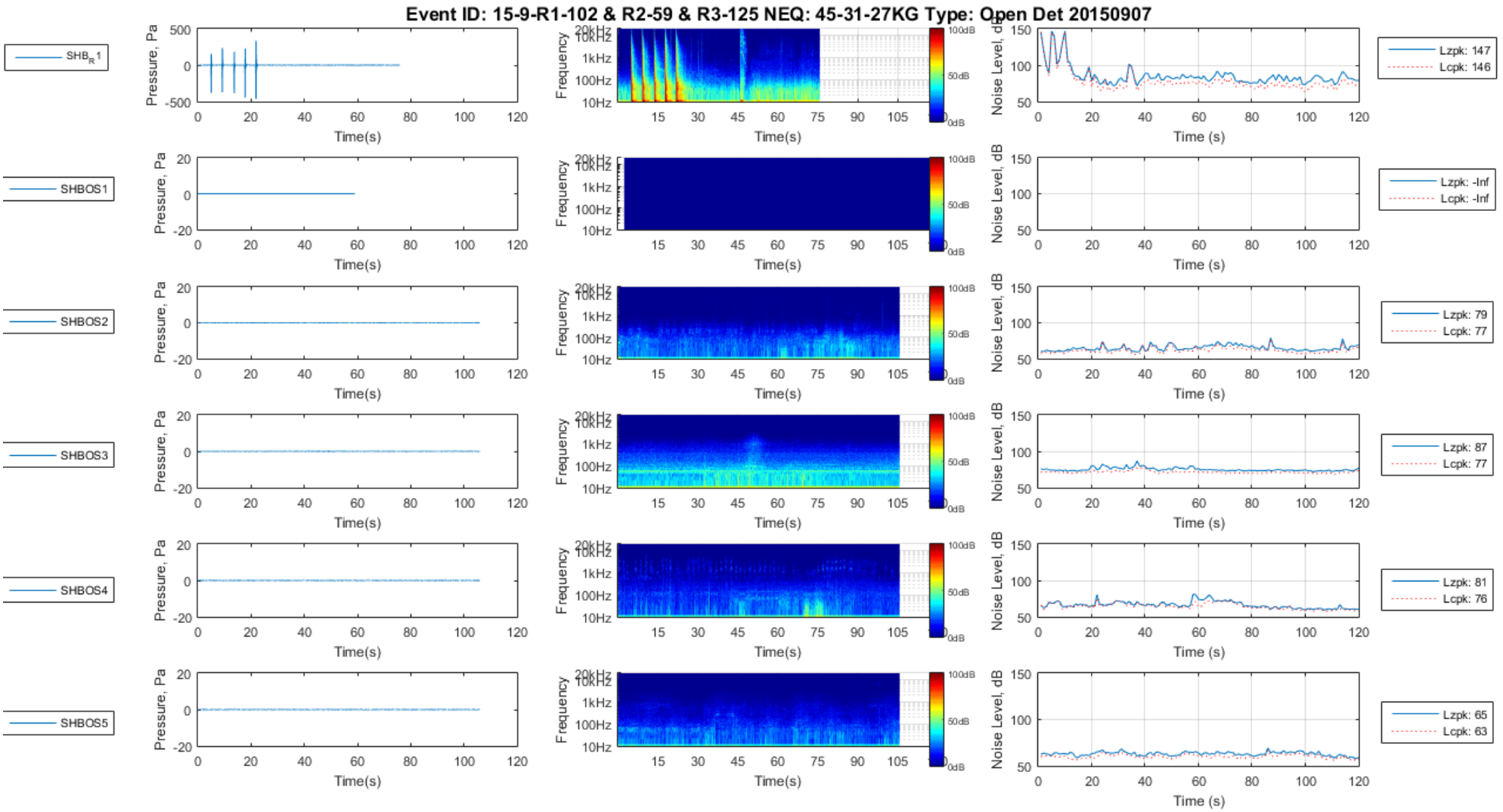


FIGURE 2.861: SHB_OS 1 - 5 15-9-R1-102 & R2-59 & R3-125

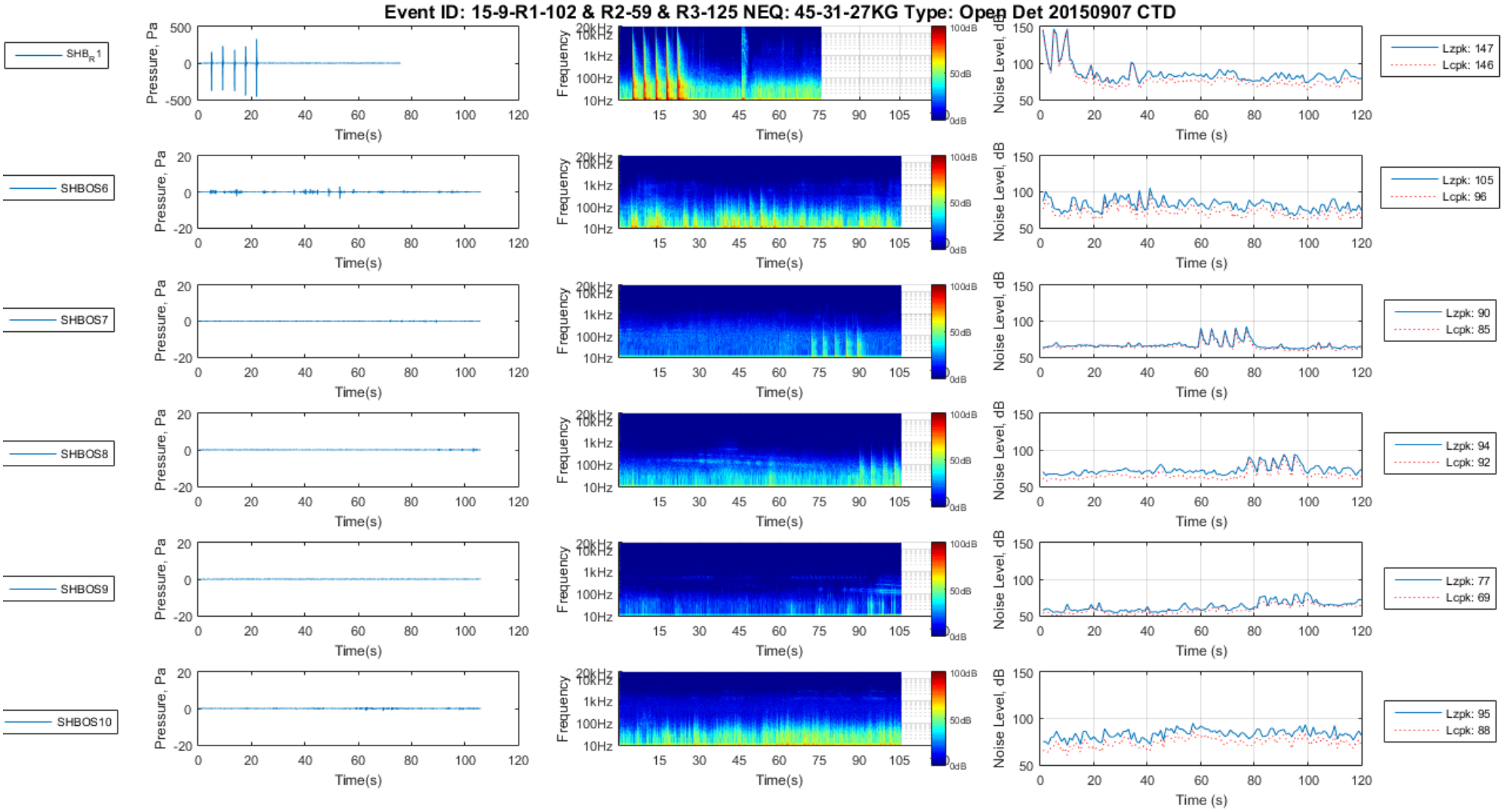


FIGURE 2.862: SHB_OS 6 - 10 15-9-R1-102 & R2-59 & R3-125

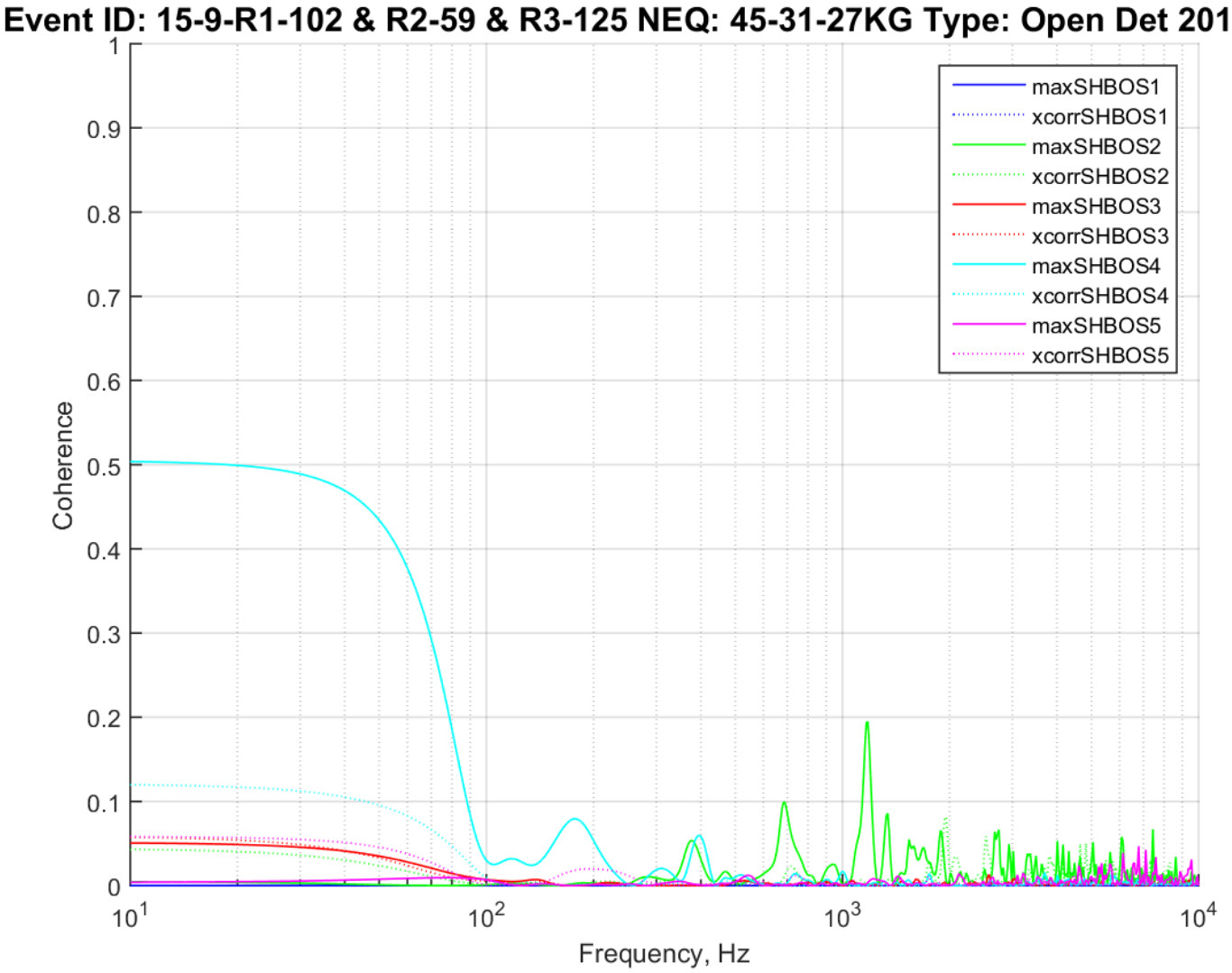


FIGURE 2.863: COHERENCE SHB_OS 1 - 5 15-9-R1-102 & R2-59 & R3-125

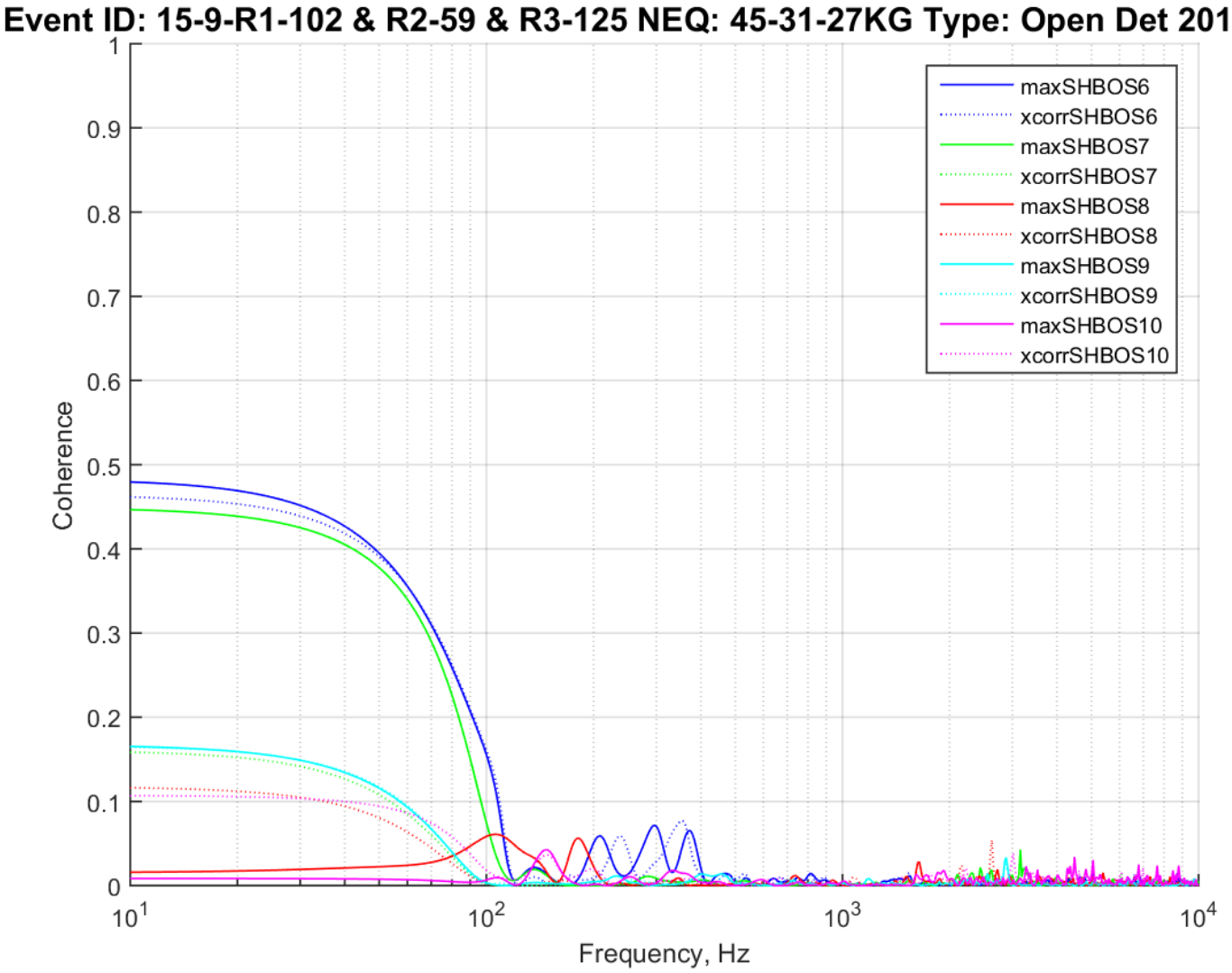


FIGURE 2.864: COHERENCE SHB_OS 6 - 10 15-9-R1-102 & R2-59 & R3-125CTD

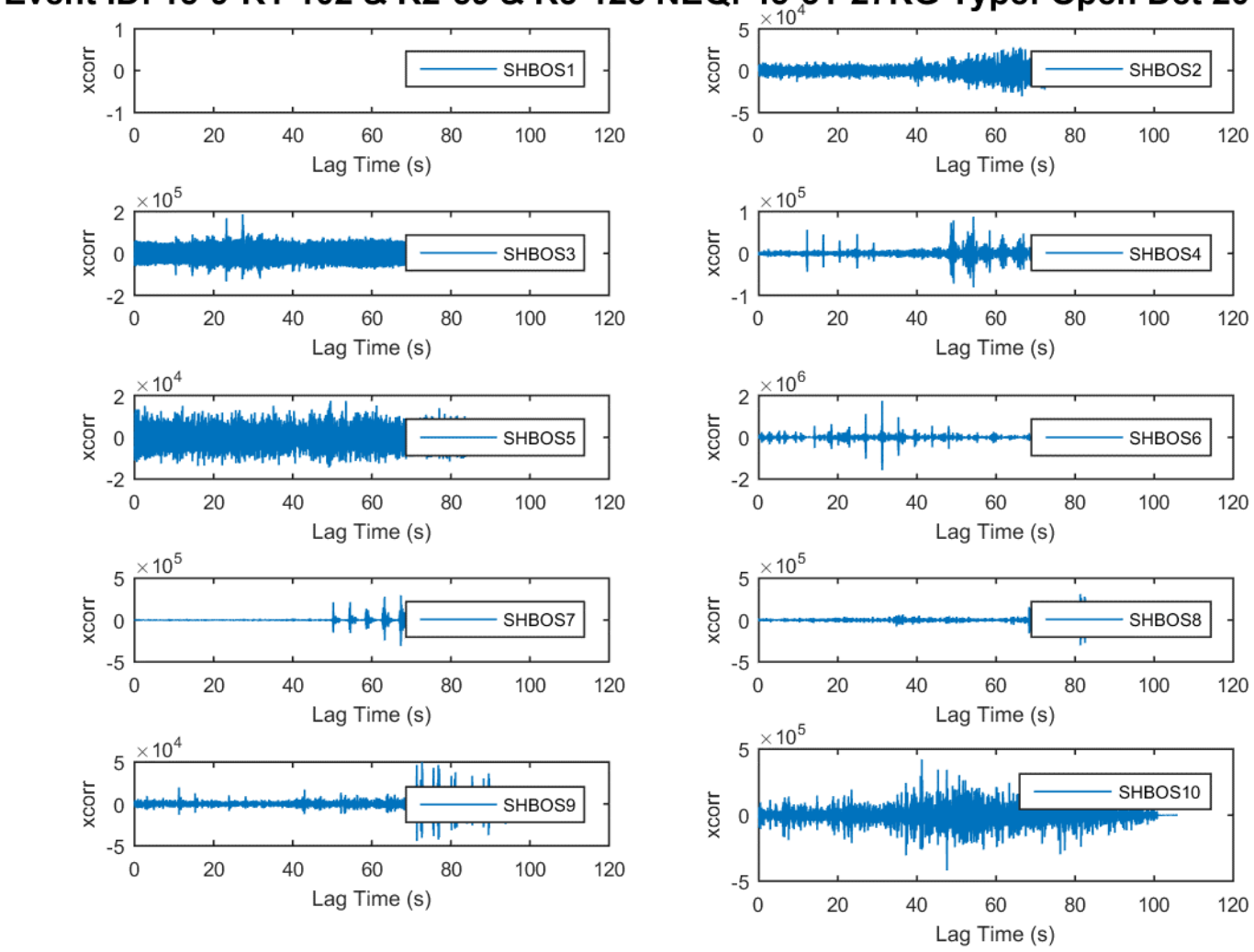


FIGURE 2.865: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-102 & R2-59 & R3-125

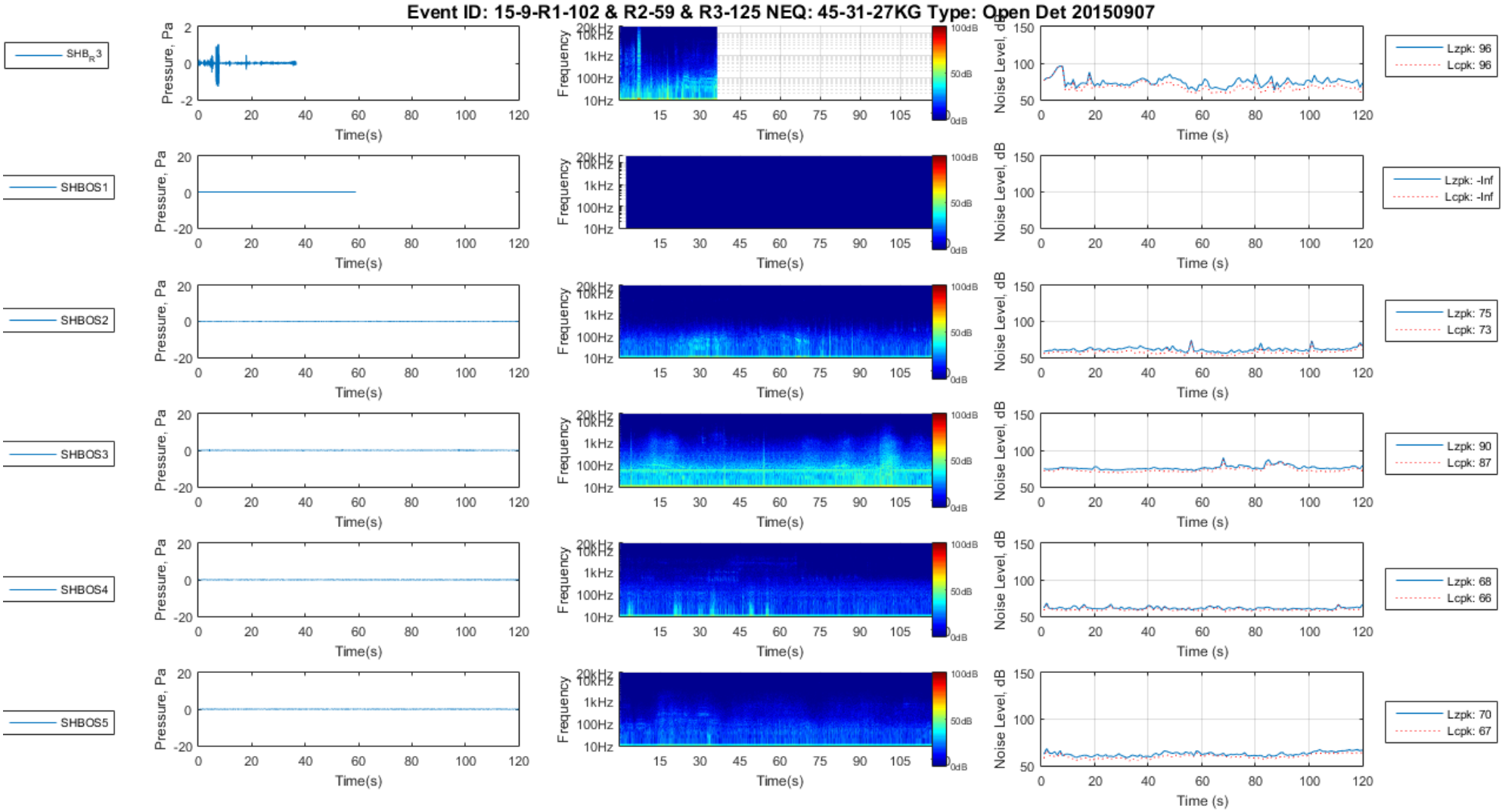


FIGURE 2.866: SHB_OS 1 - 5 15-9-R1-102 & R2-59 & R3-125

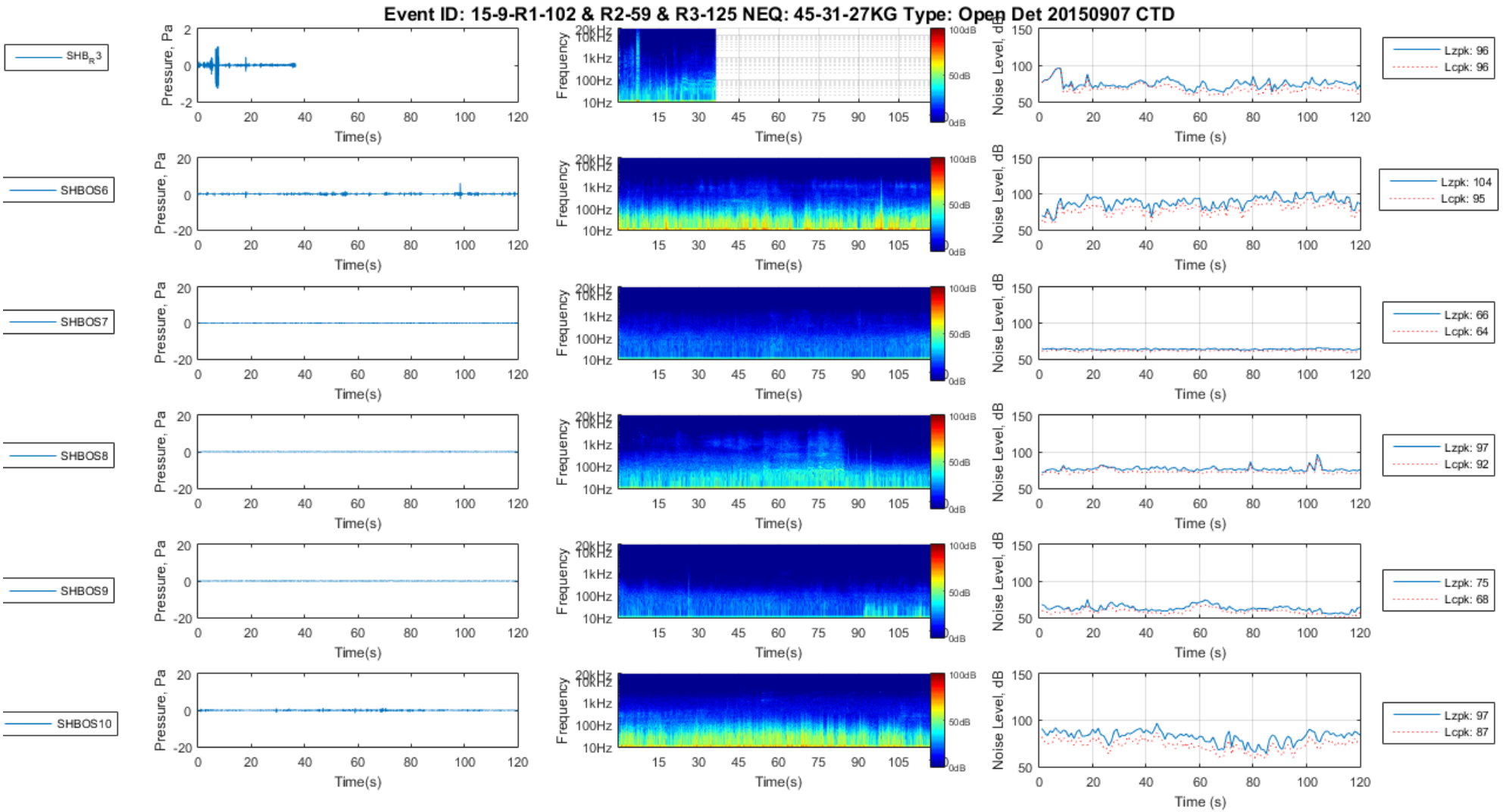


FIGURE 2.867: SHB_OS 6 - 10 15-9-R1-102 & R2-59 & R3-125

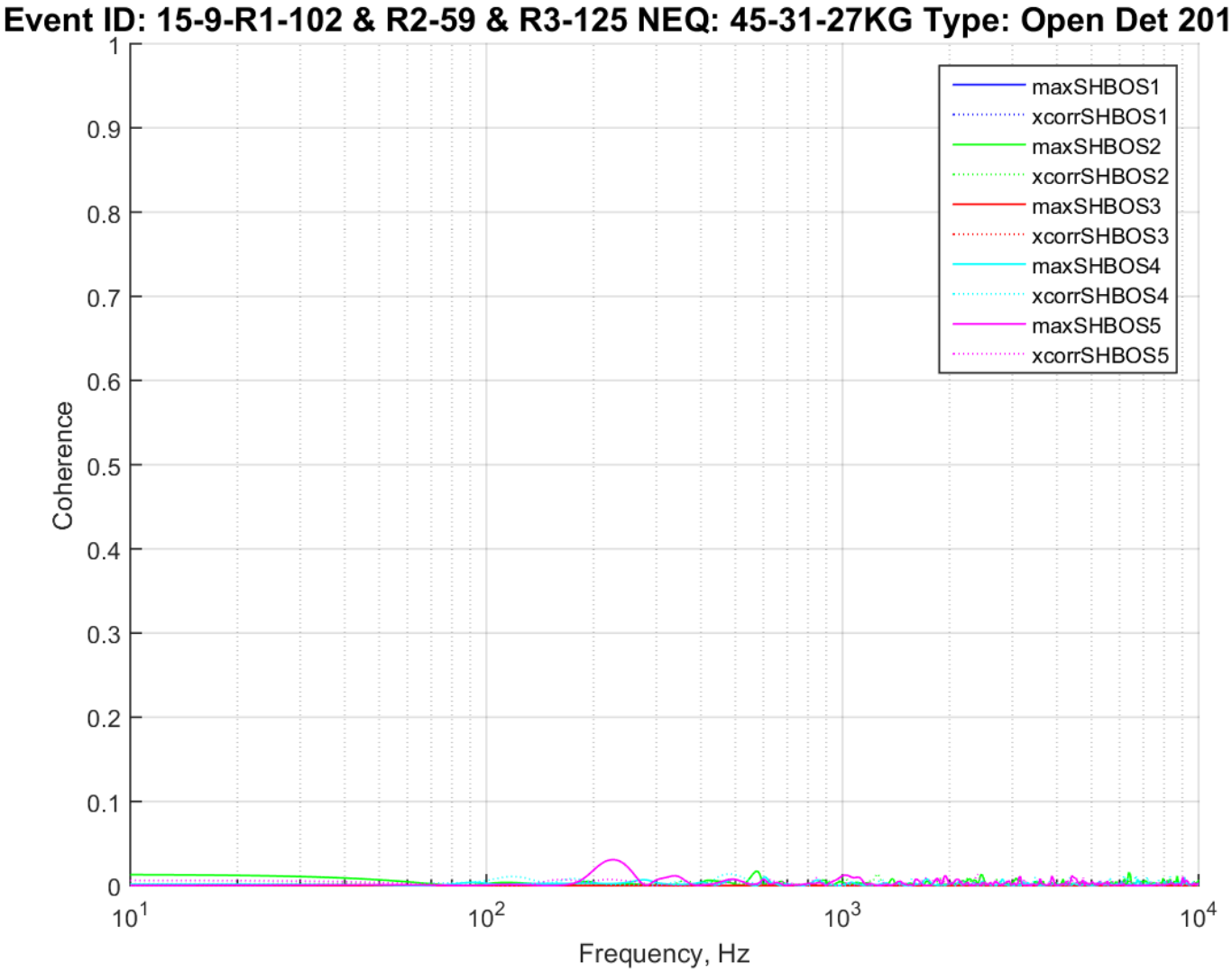


FIGURE 2.868: COHERENCE SHB_OS 1 - 5 15-9-R1-102 & R2-59 & R3-125

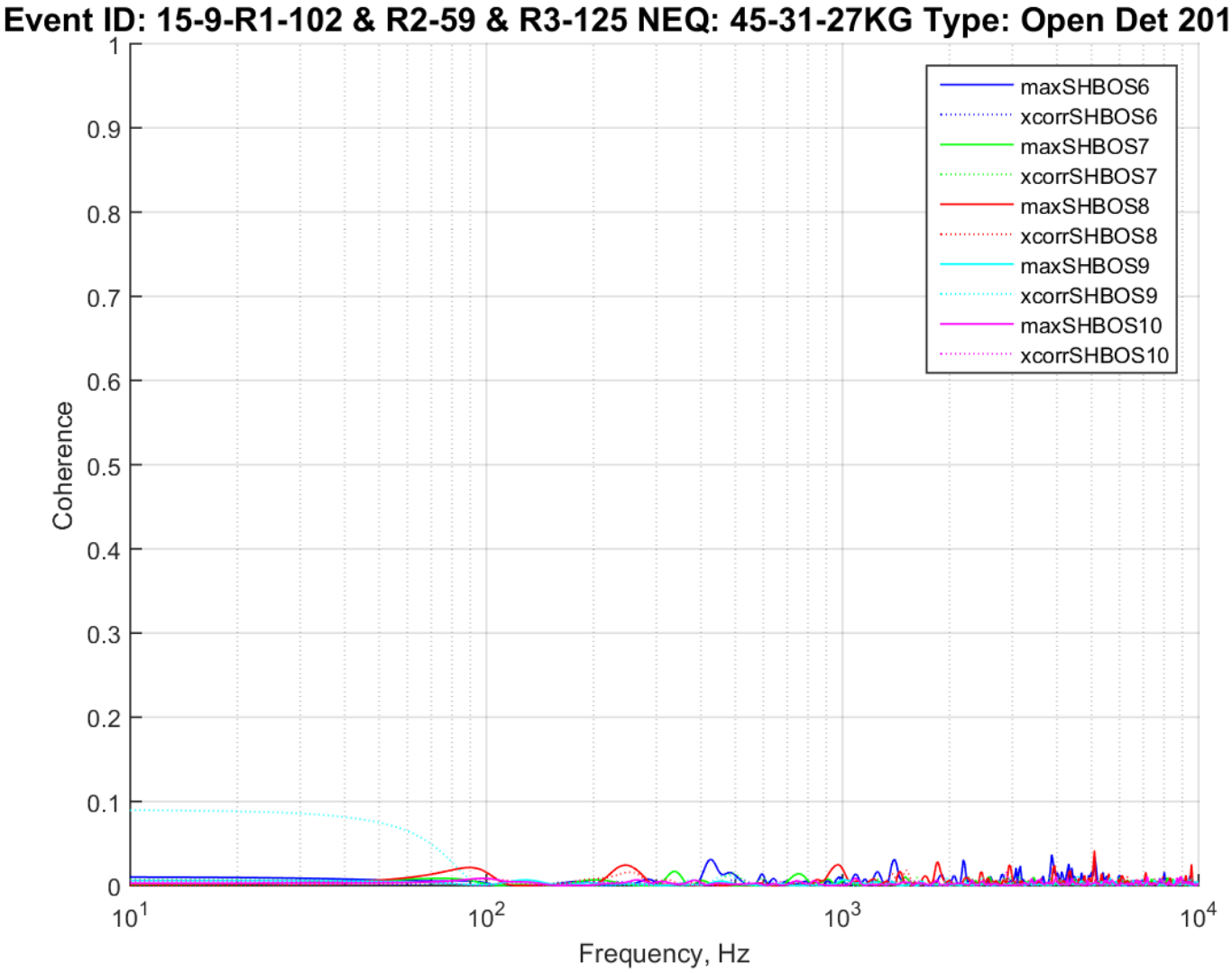


FIGURE 2.869: COHERENCE SHB_OS 6 - 10 15-9-R1-102 & R2-59 & R3-125CTD

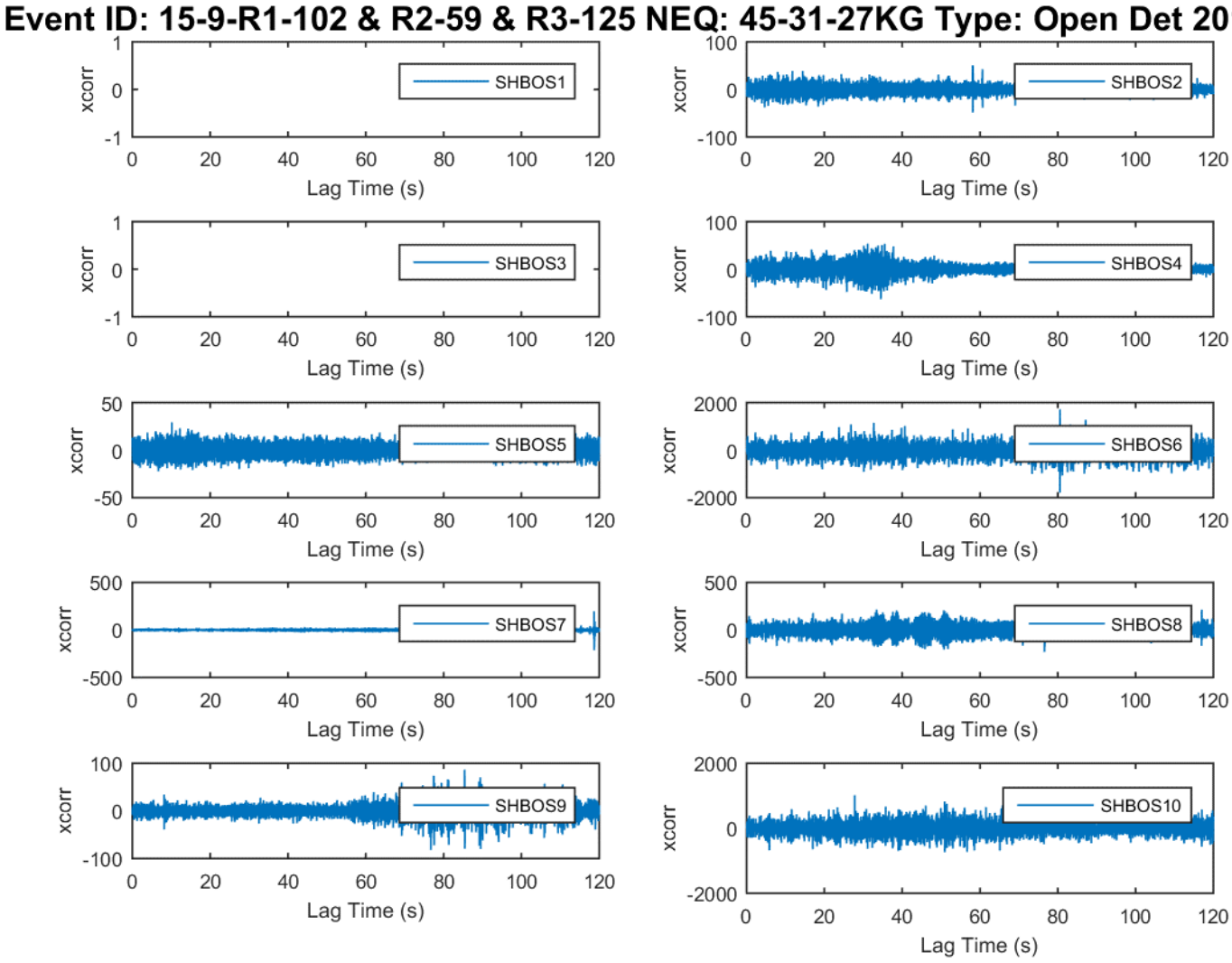


FIGURE 2.870: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-102 & R2-59 & R3-125

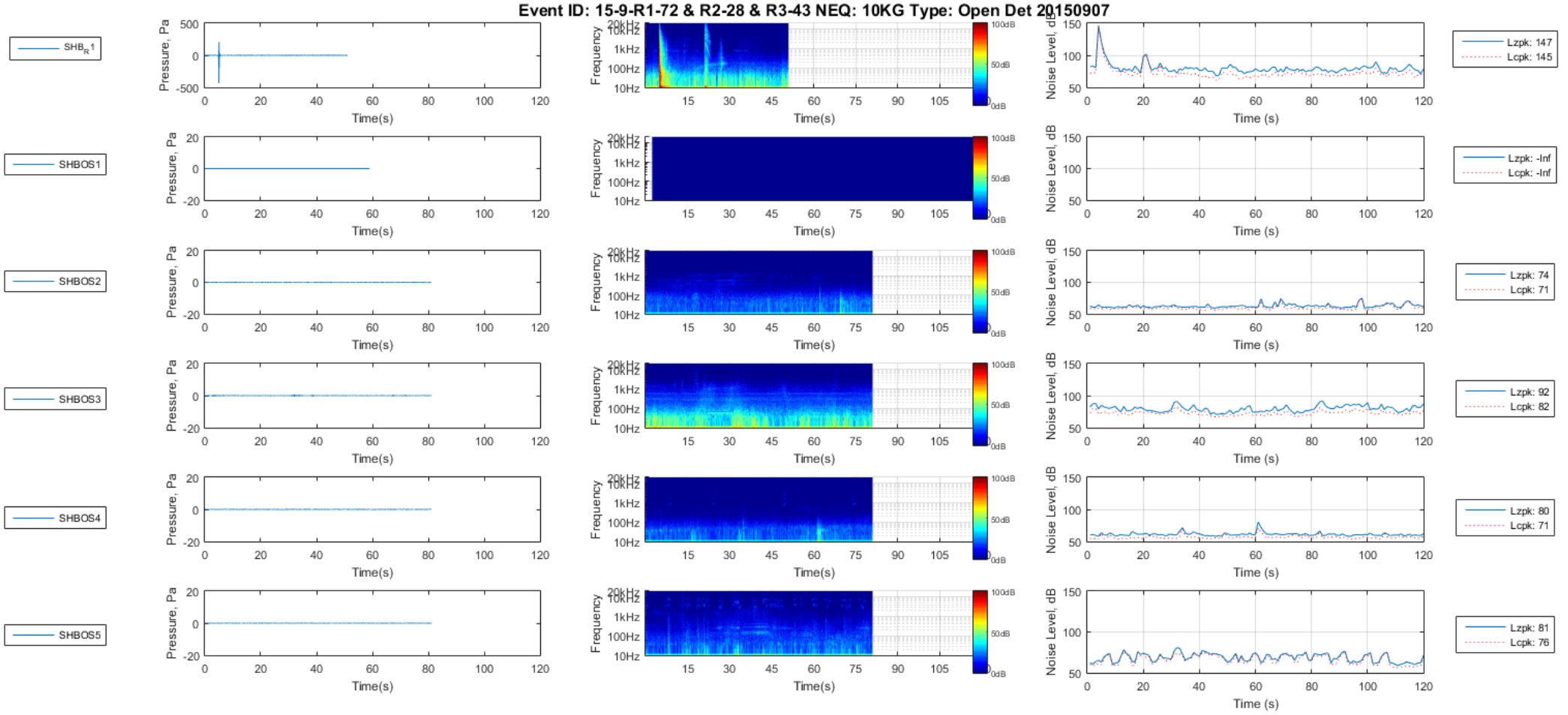


FIGURE 2.871: SHB_OS 1 - 5 15-9-R1-72 & R2-28 & R3-43

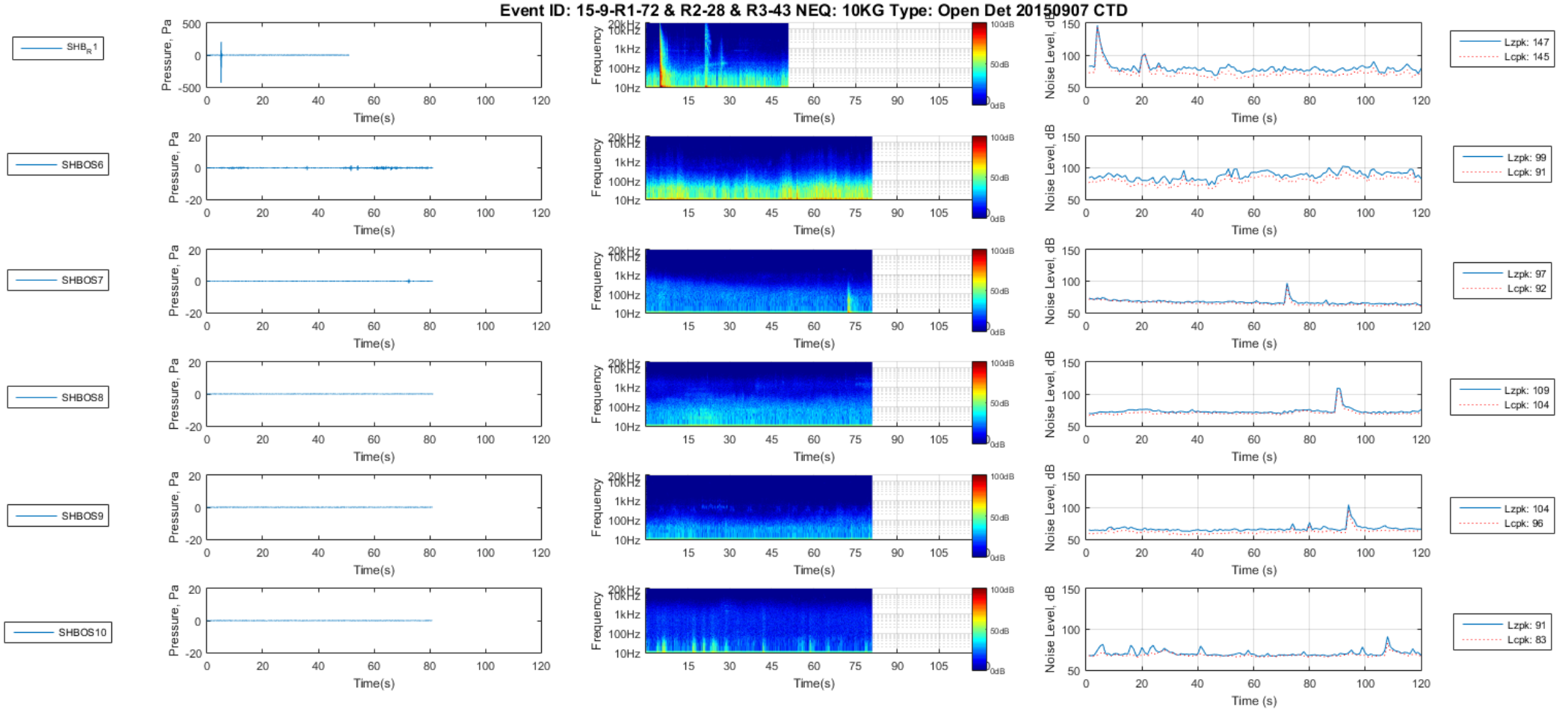


FIGURE 2.872: SHB_OS 6 - 10 15-9-R1-72 & R2-28 & R3-43

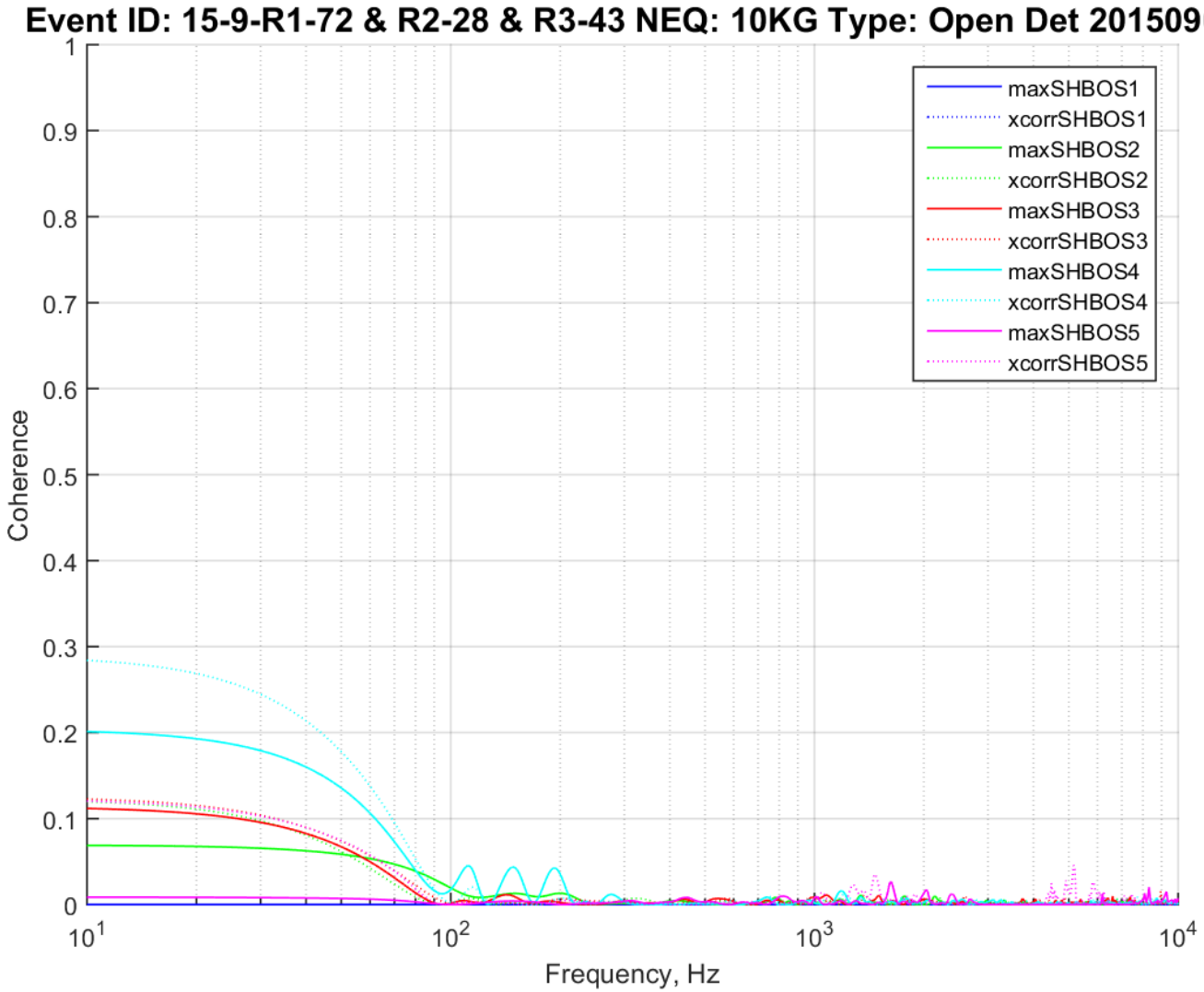


FIGURE 2.873: COHERENCE SHB_OS 1 - 5 15-9-R1-72 & R2-28 & R3-43

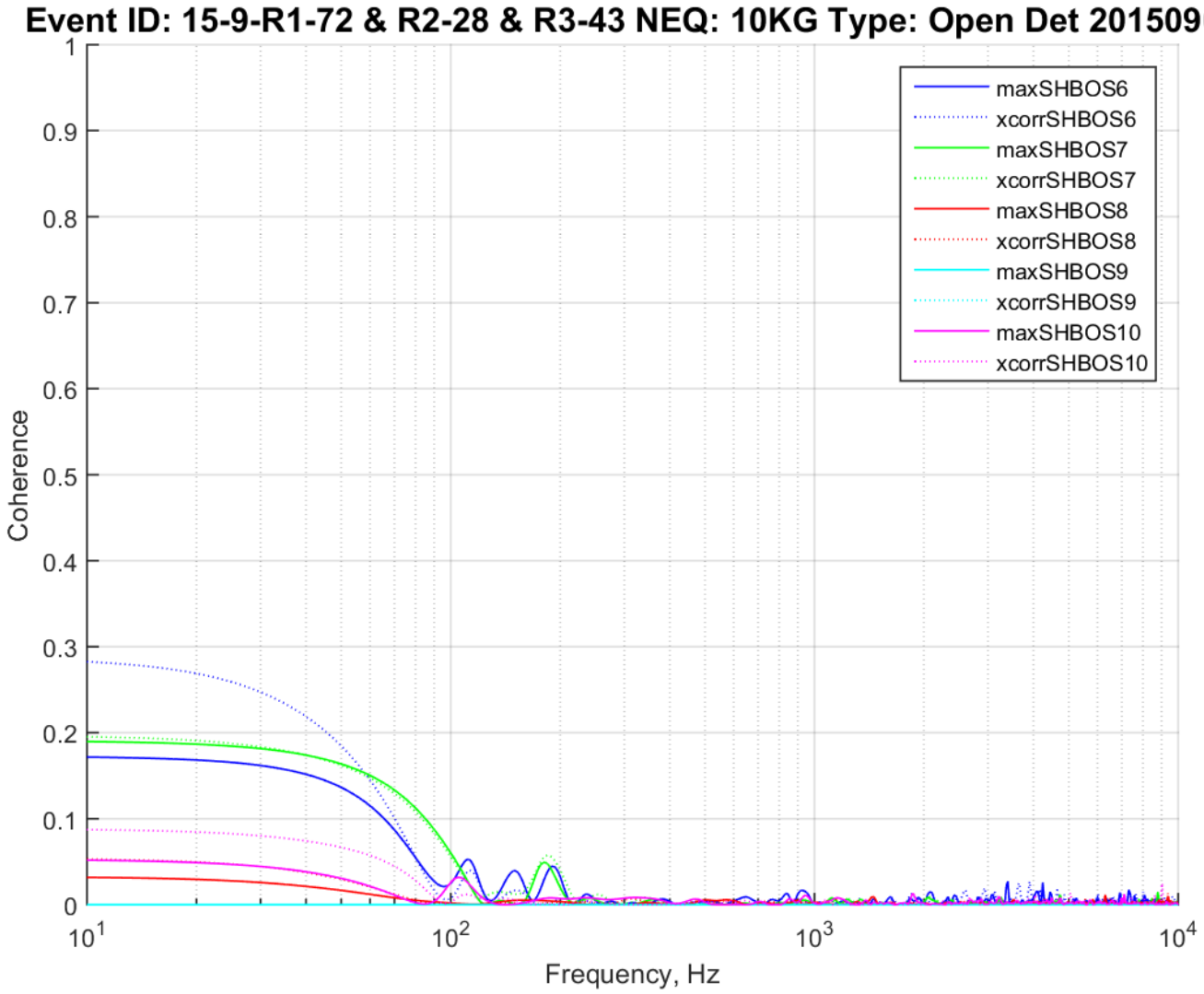


FIGURE 2.874: COHERENCE SHB_OS 6 - 10 15-9-R1-72 & R2-28 & R3-43CTD

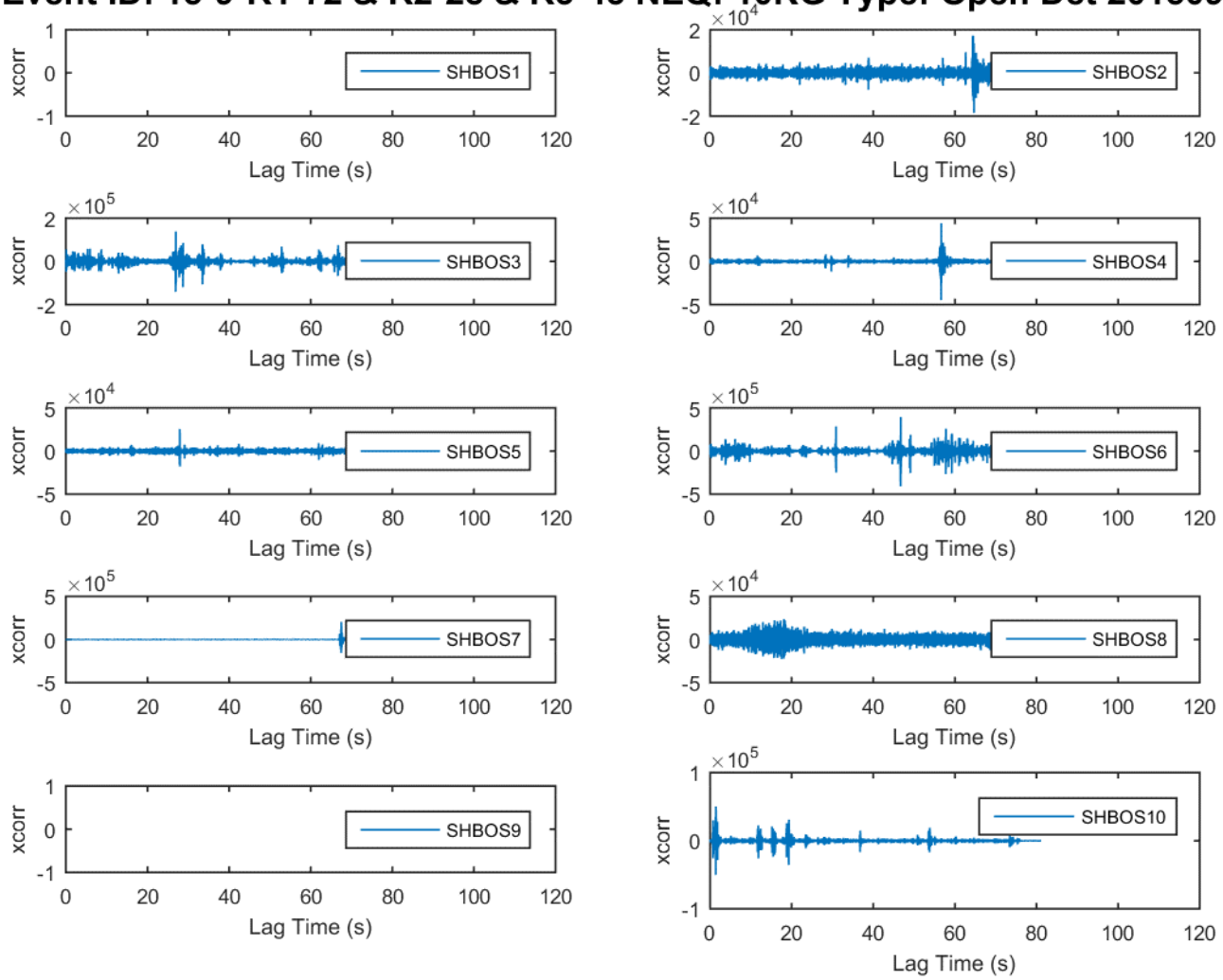


FIGURE 2.875: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-72 & R2-28 & R3-43

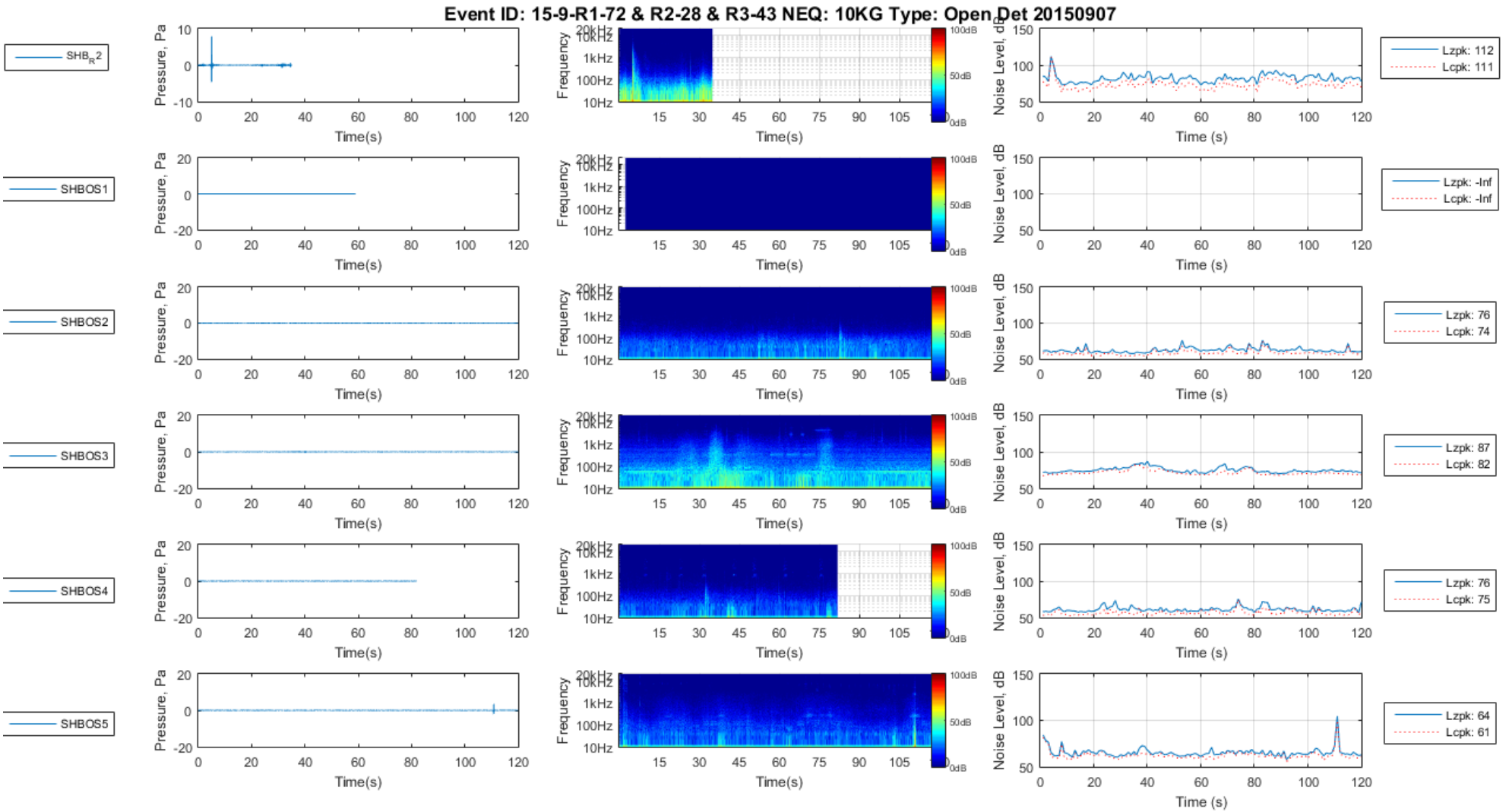


FIGURE 2.876: SHB_OS 1 - 5 15-9-R1-72 & R2-28 & R3-43

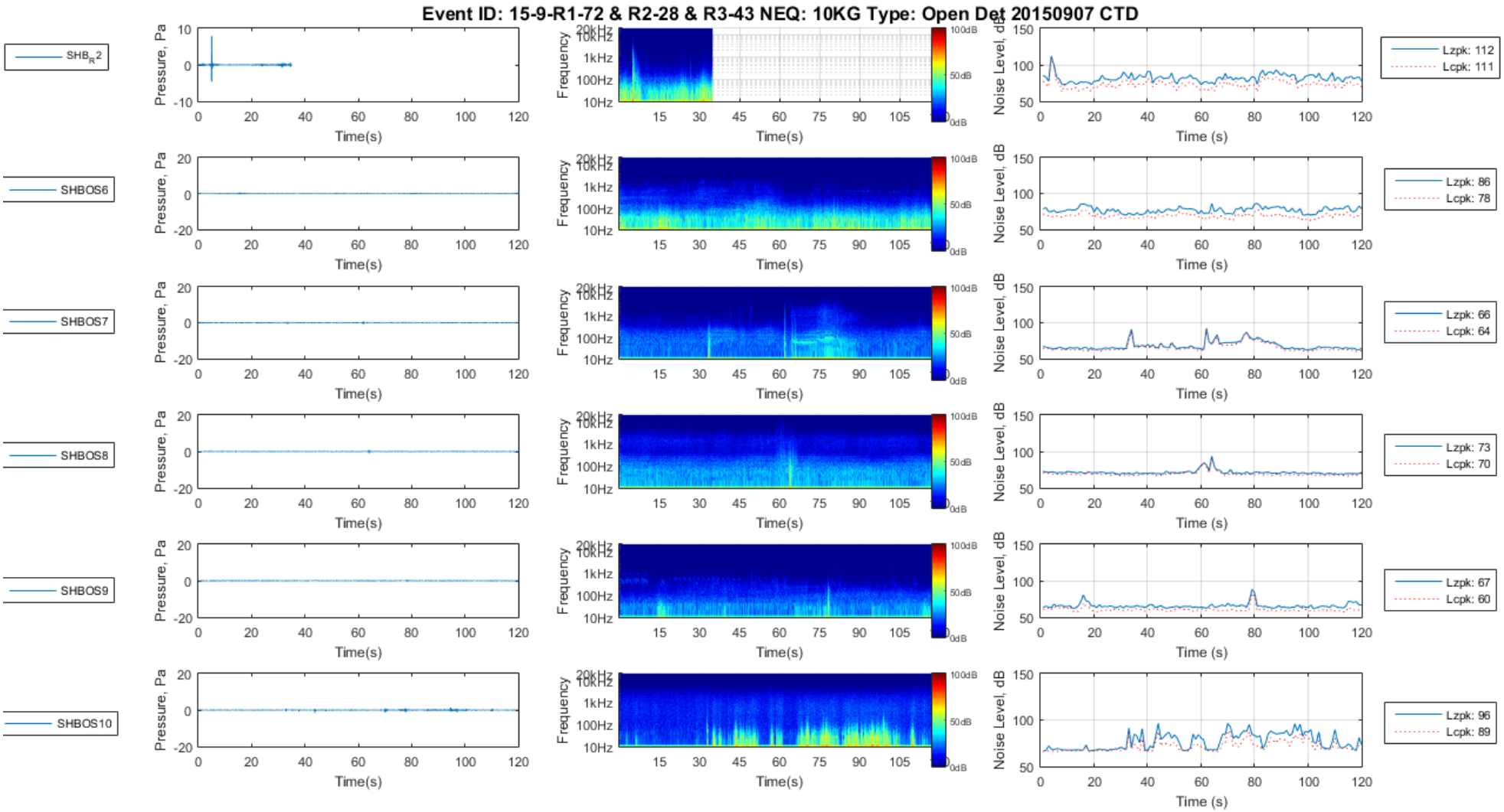


FIGURE 2.877: SHB_OS 6 - 10 15-9-R1-72 & R2-28 & R3-43

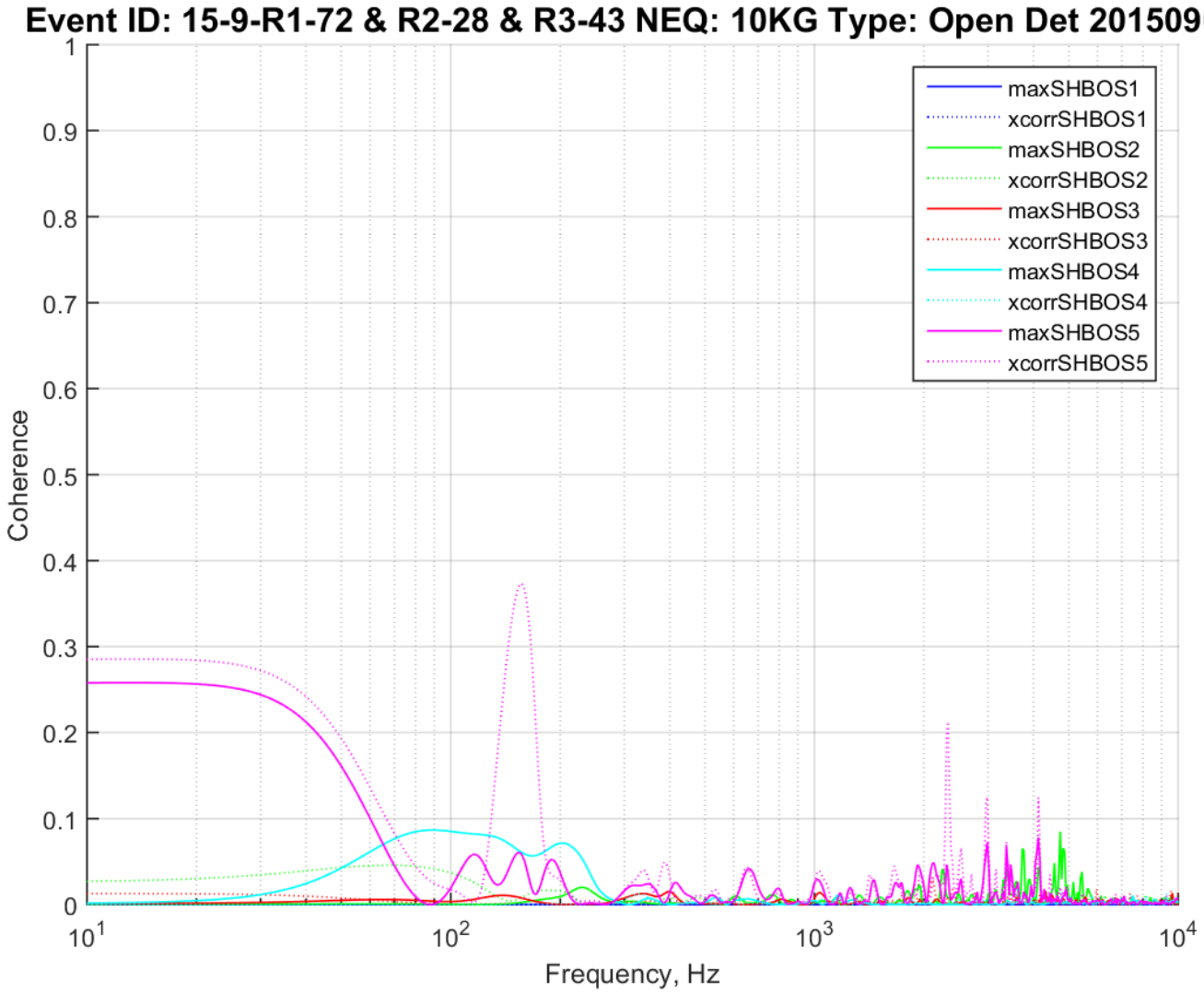


FIGURE 2.878: COHERENCE SHB_OS 1 - 5 15-9-R1-72 & R2-28 & R3-43

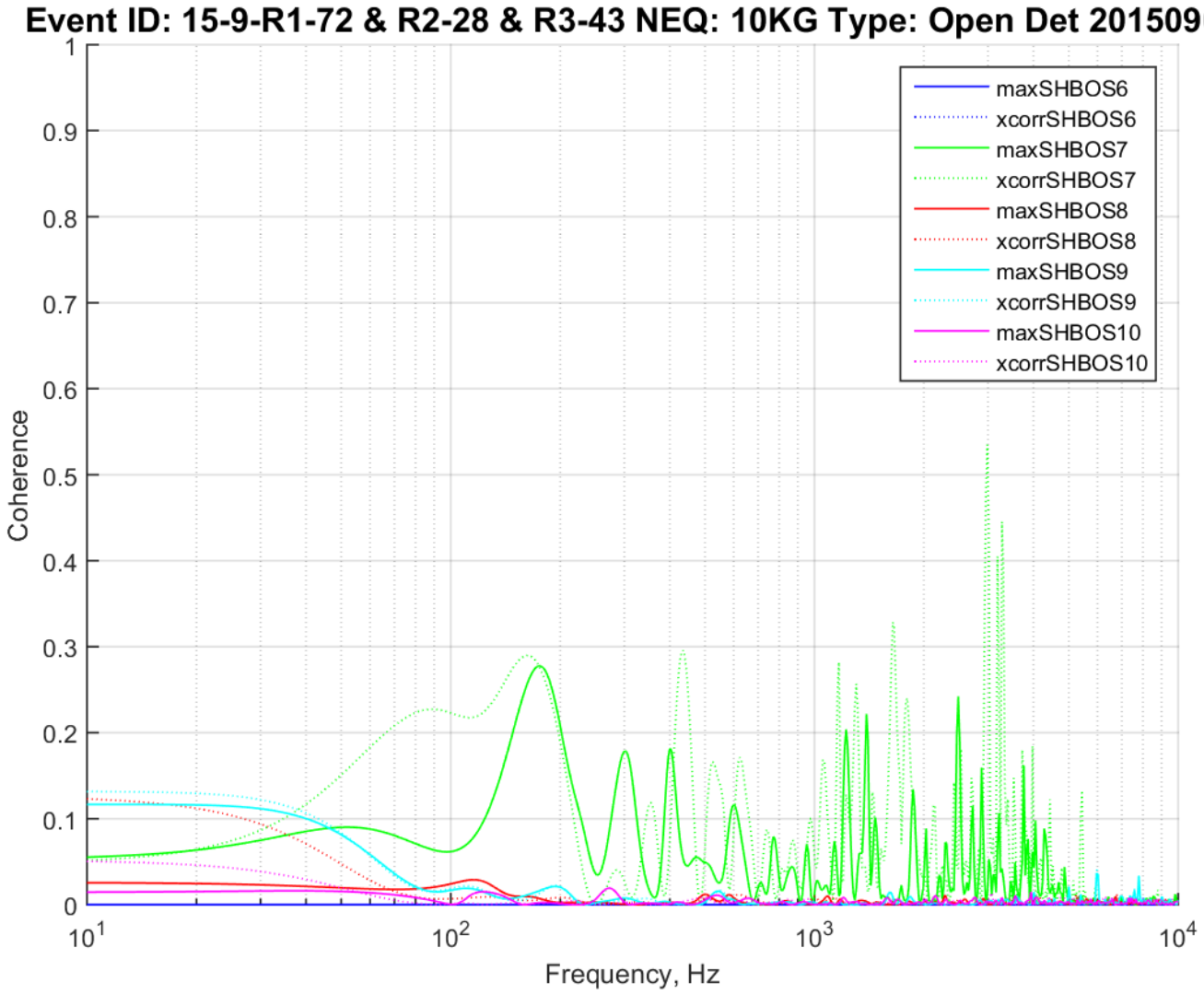


FIGURE 2.879: COHERENCE SHB_OS 6 - 10 15-9-R1-72 & R2-28 & R3-43CTD

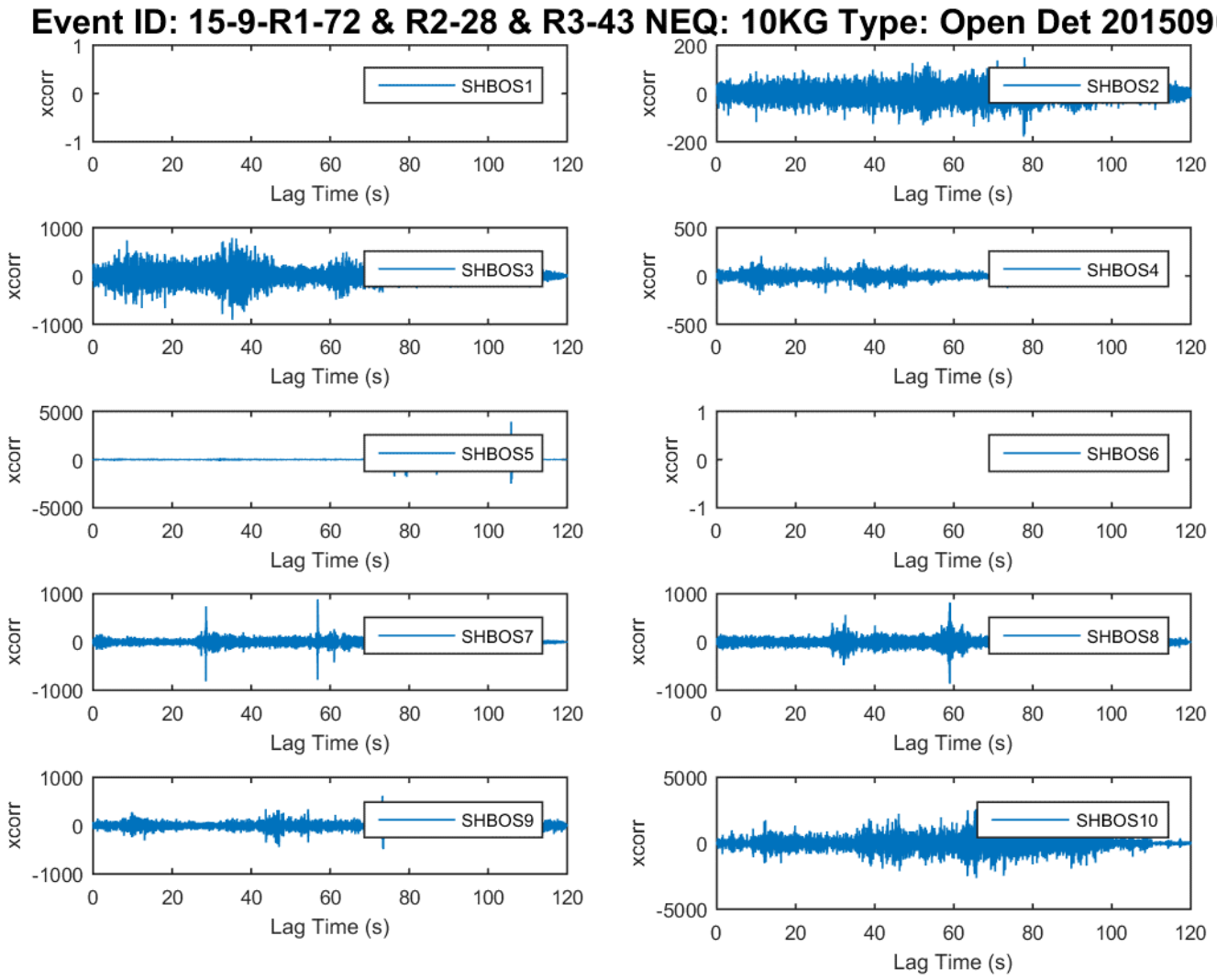


FIGURE 2.880: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-72 & R2-28 & R3-43

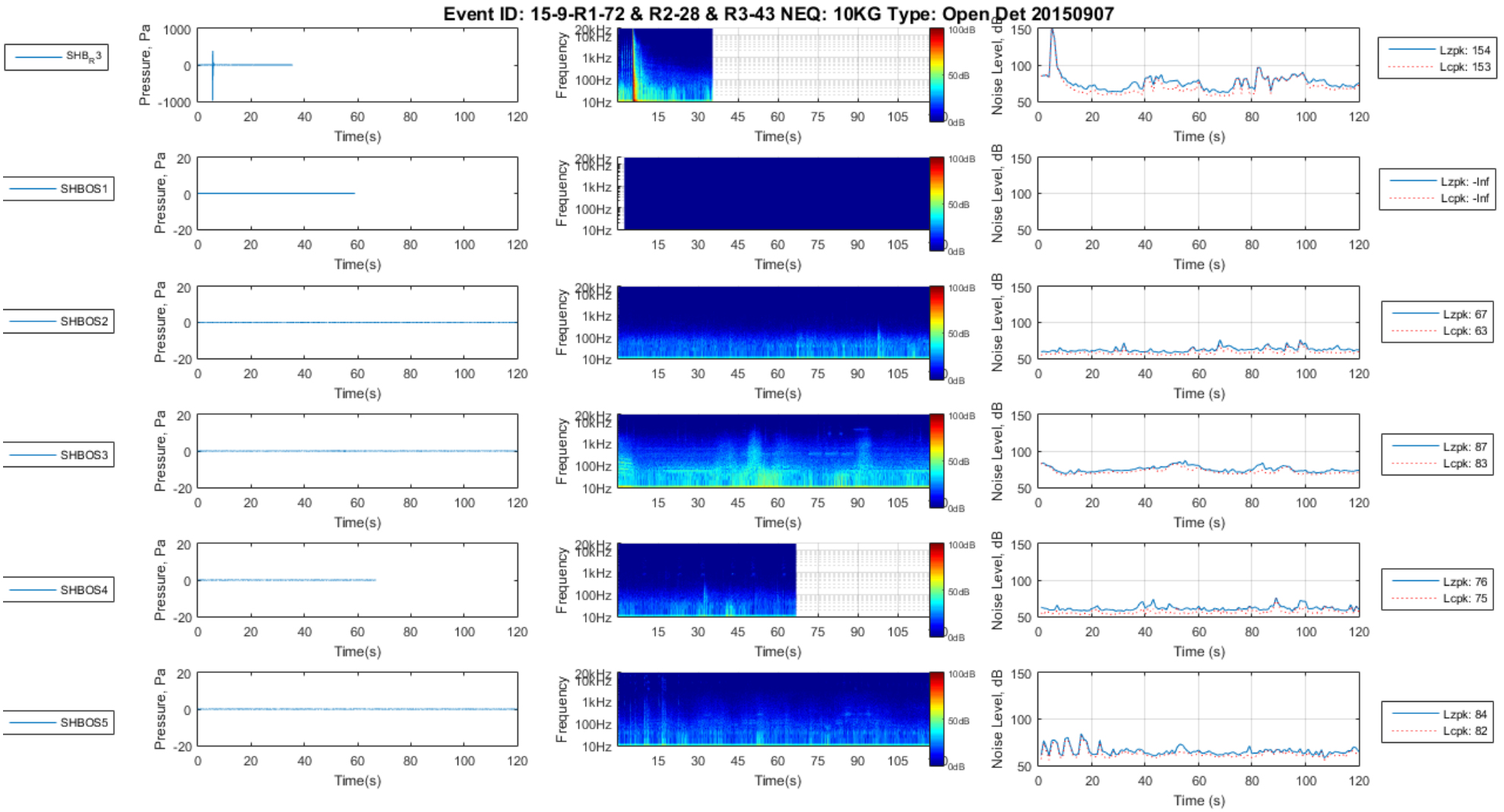


FIGURE 2.881: SHB_OS 1 - 5 15-9-R1-72 & R2-28 & R3-43

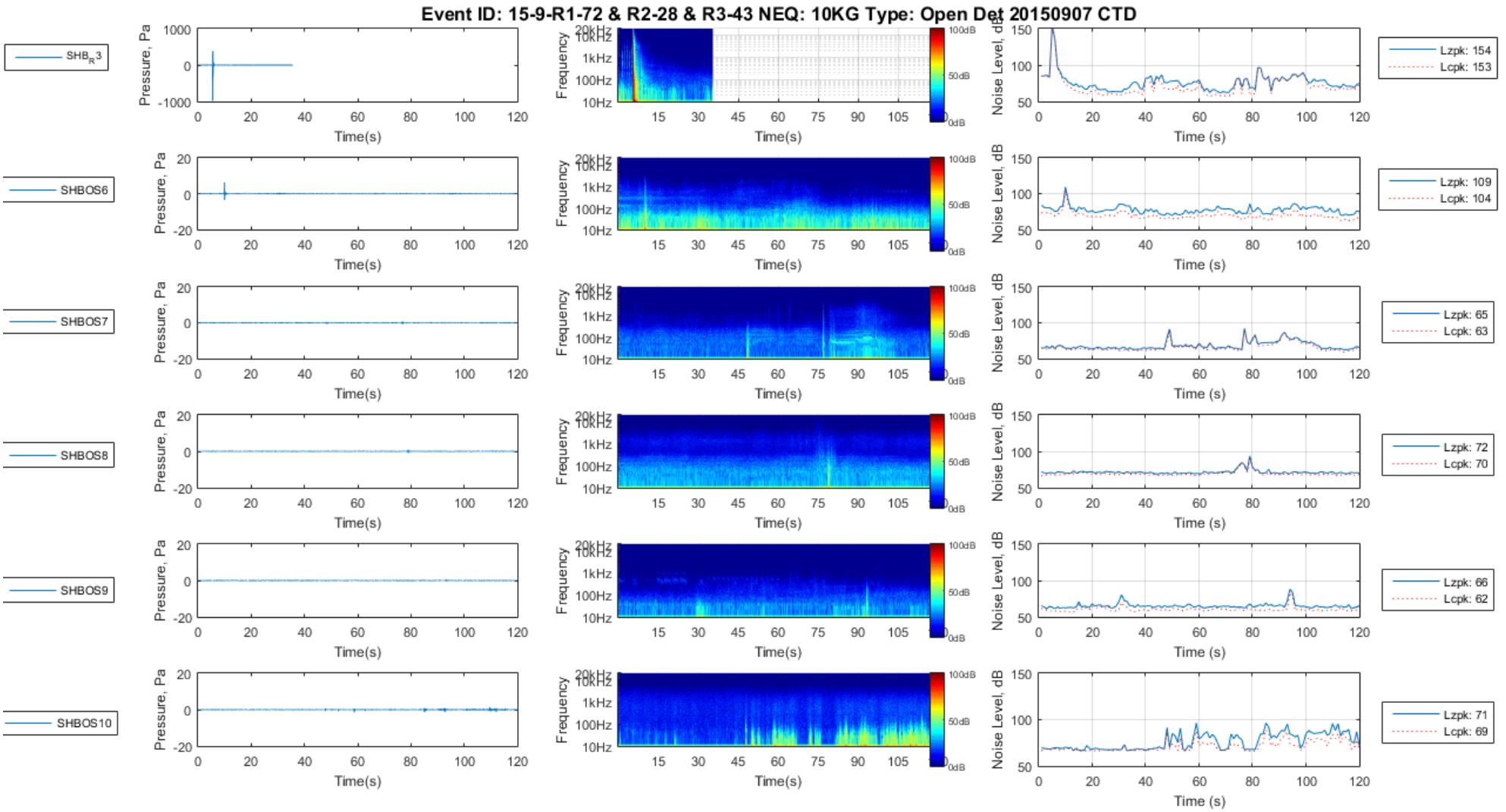


FIGURE 2.882: SHB_OS 6 - 10 15-9-R1-72 & R2-28 & R3-43

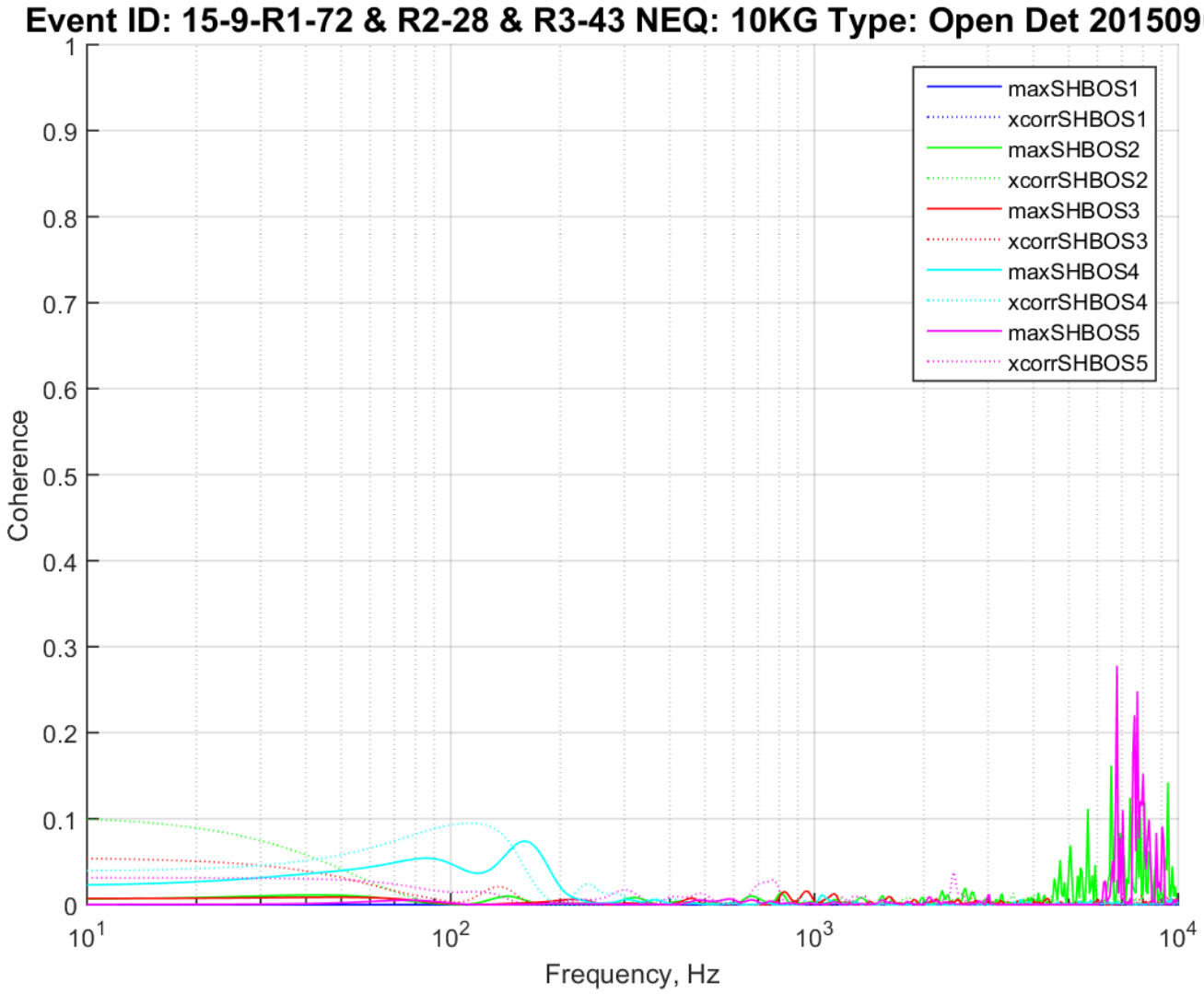


FIGURE 2.883: COHERENCE SHB_OS 1 - 5 15-9-R1-72 & R2-28 & R3-43

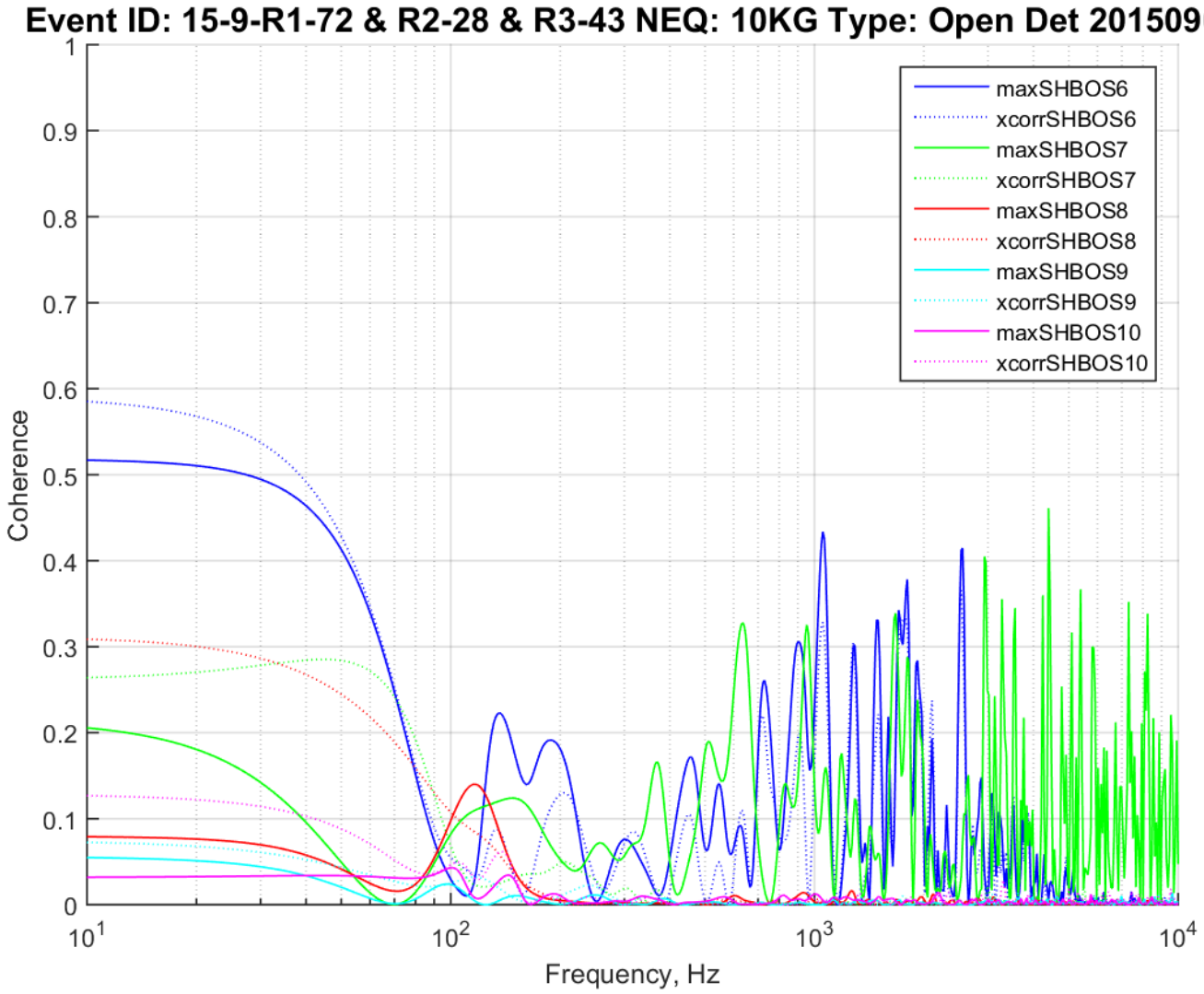


FIGURE 2.884: COHERENCE SHB_OS 6 - 10 15-9-R1-72 & R2-28 & R3-43CTD

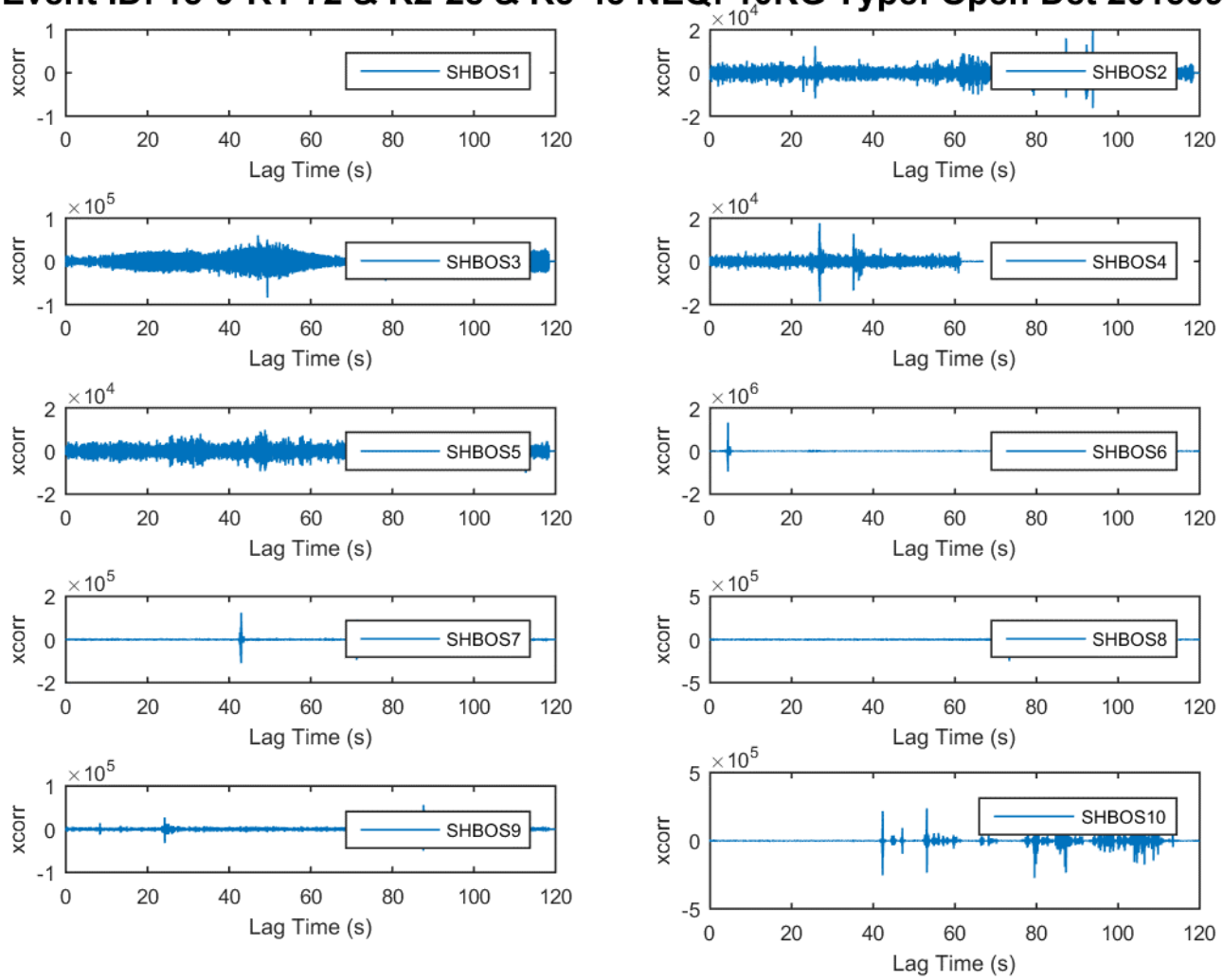


FIGURE 2.885: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-72 & R2-28 & R3-43

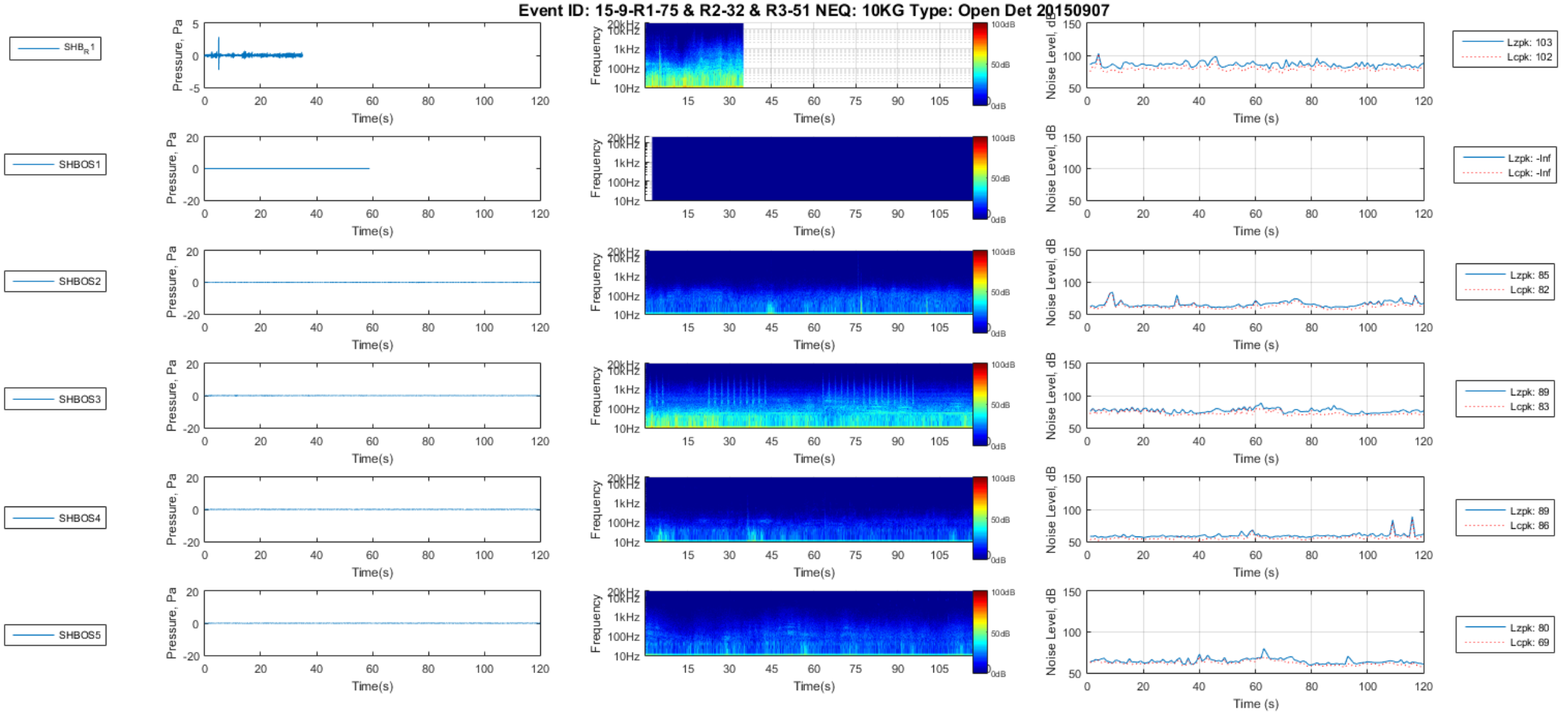


FIGURE 2.886: SHB_OS 1 - 5 15-9-R1-75 & R2-32 & R3-51

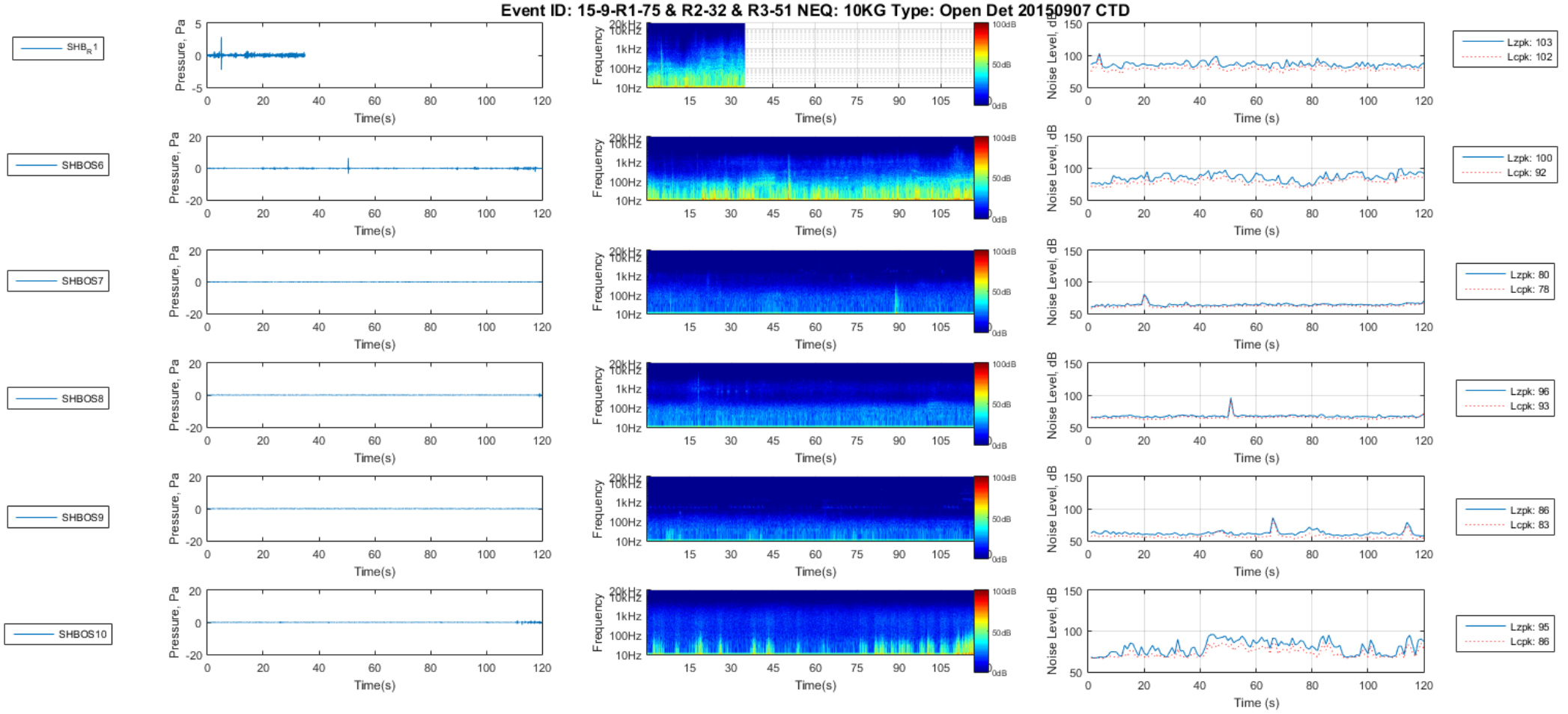


FIGURE 2.887: SHB_OS 6 - 10 15-9-R1-75 & R2-32 & R3-51

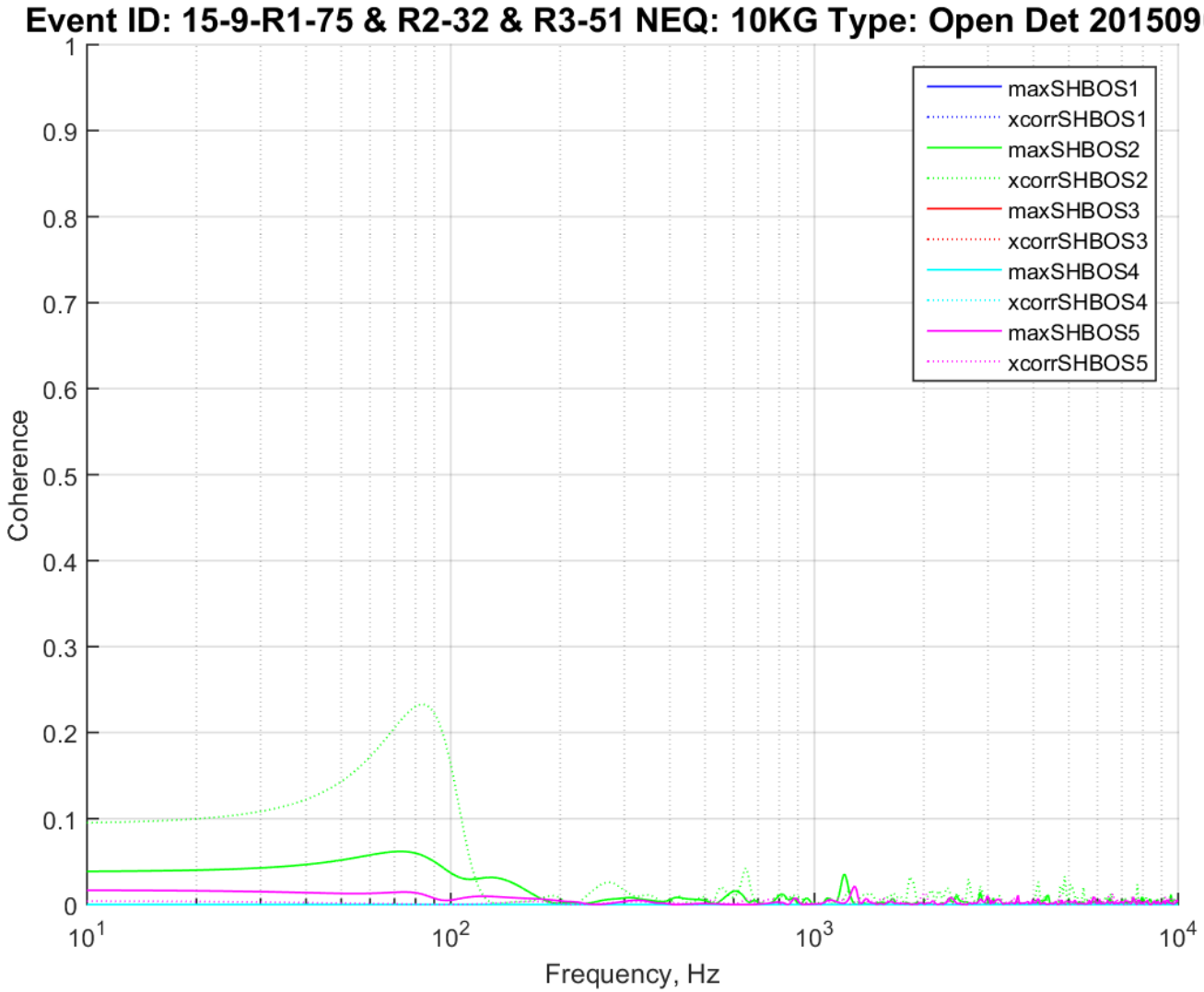


FIGURE 2.888: COHERENCE SHB_OS 1 - 5 15-9-R1-75 & R2-32 & R3-51

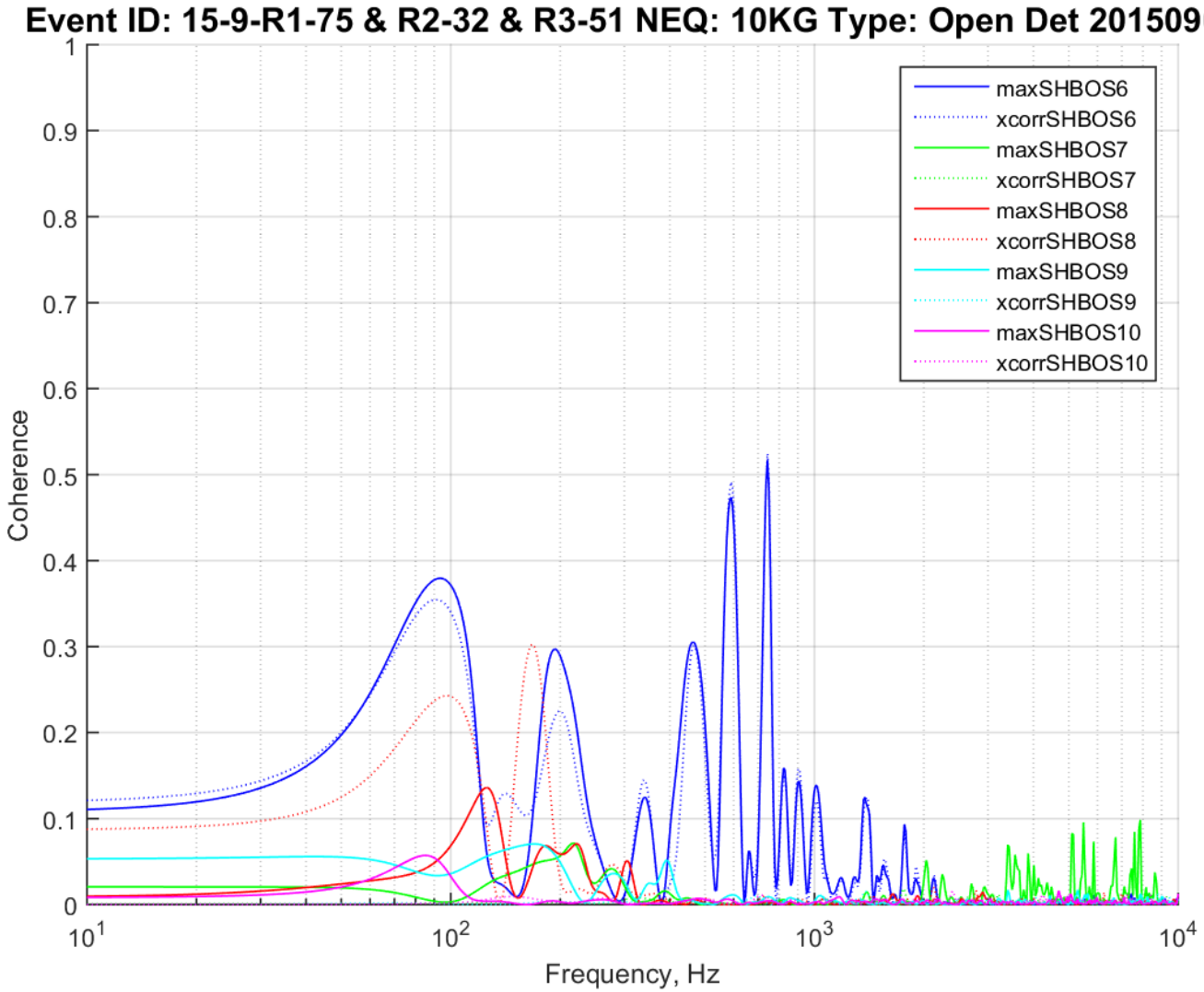


FIGURE 2.889: COHERENCE SHB_OS 6 - 10 15-9-R1-75 & R2-32 & R3-51CTD

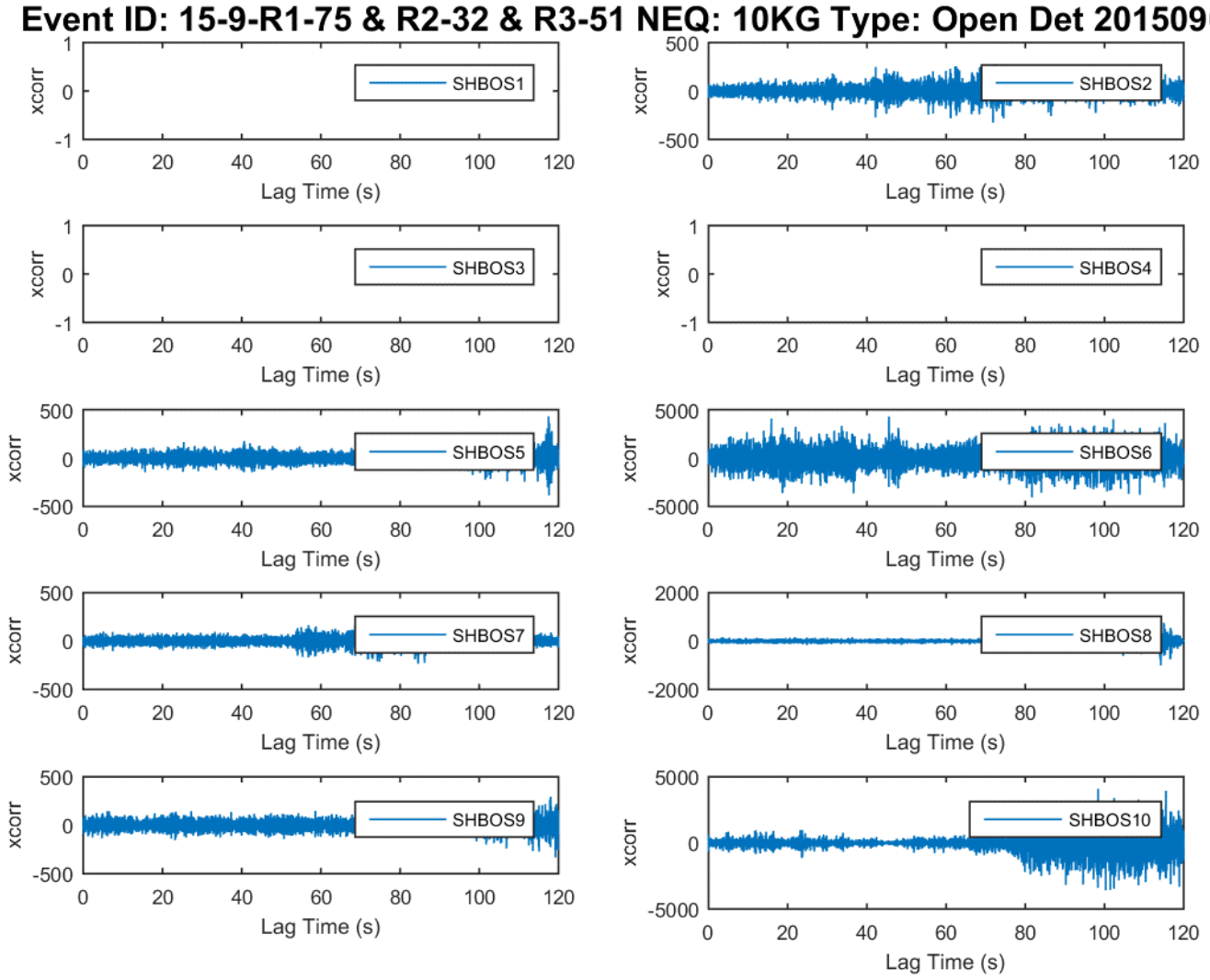


FIGURE 2.890: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-75 & R2-32 & R3-51

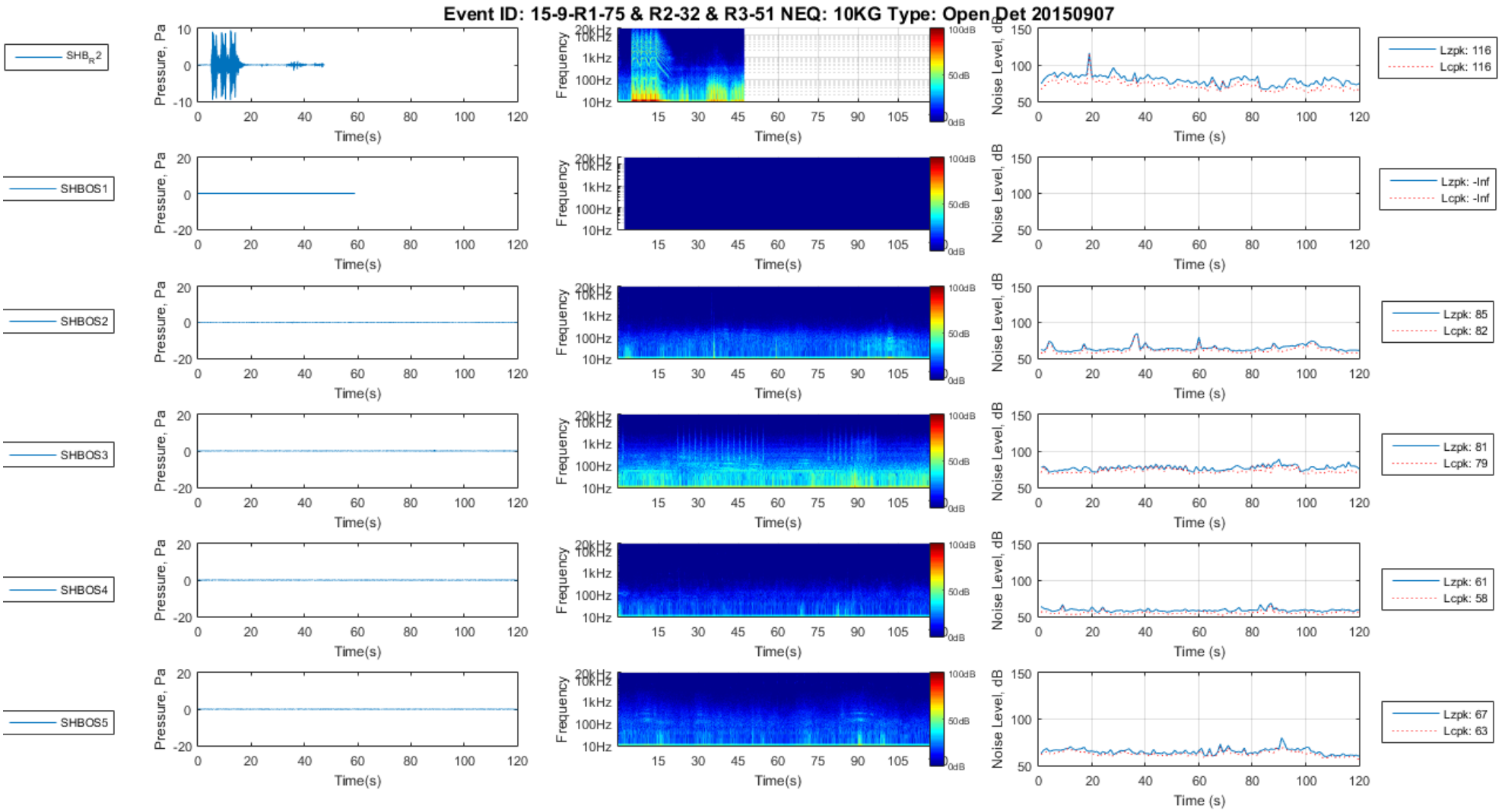


FIGURE 2.891: SHB_OS 1 - 5 15-9-R1-75 & R2-32 & R3-51

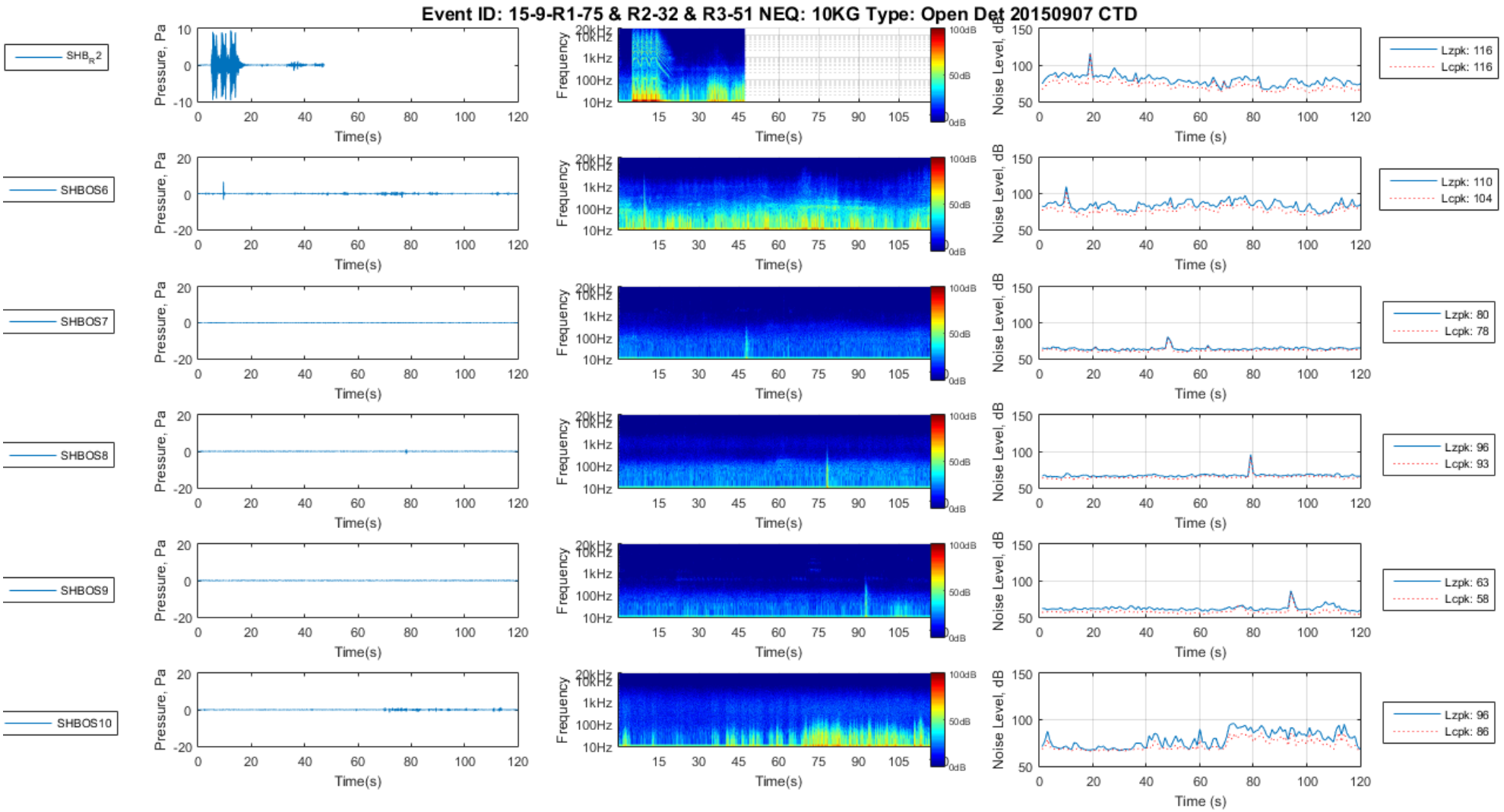


FIGURE 2.892: SHB_OS 6 - 10 15-9-R1-75 & R2-32 & R3-51

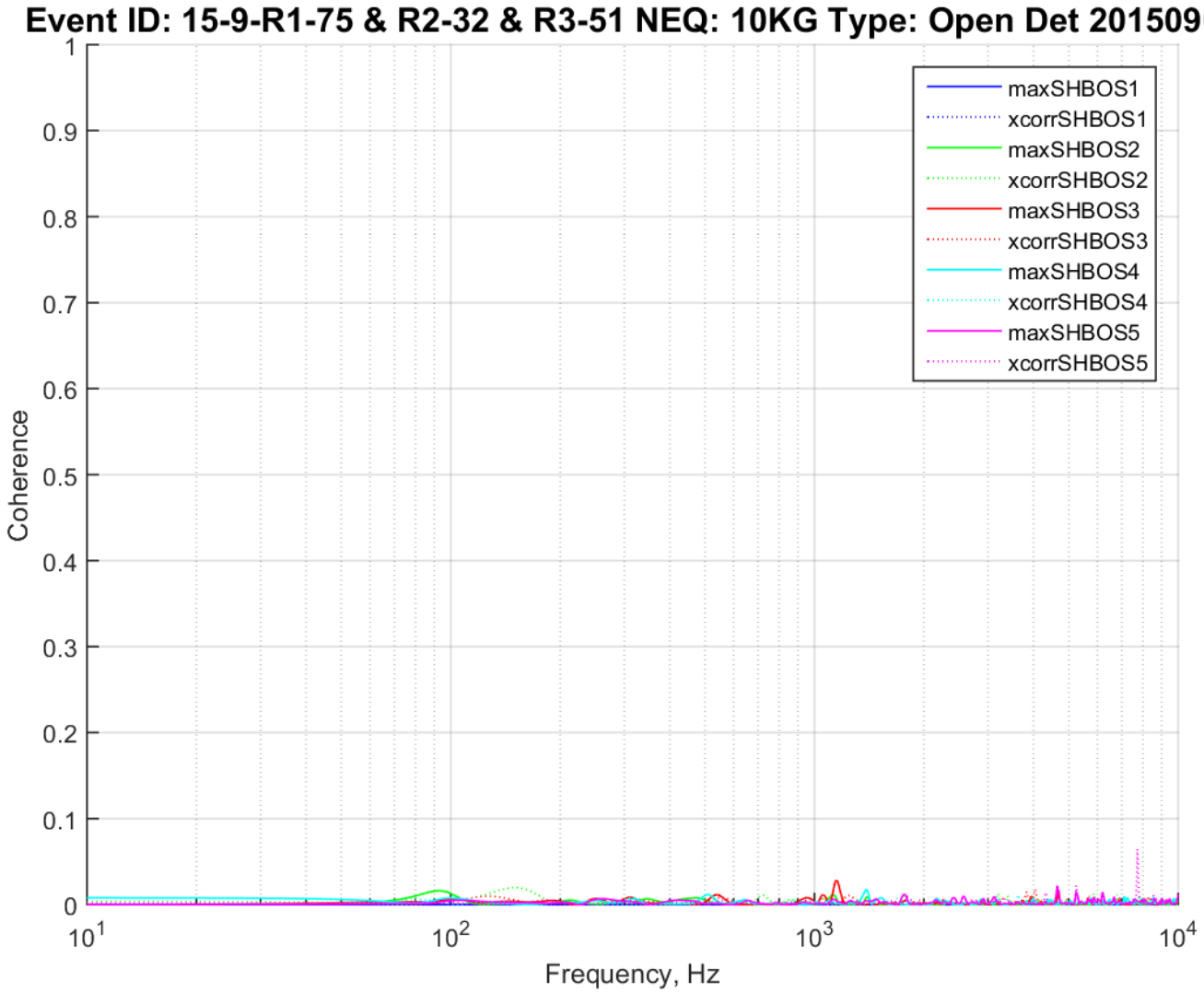


FIGURE 2.893: COHERENCE SHB_OS 1 - 5 15-9-R1-75 & R2-32 & R3-51

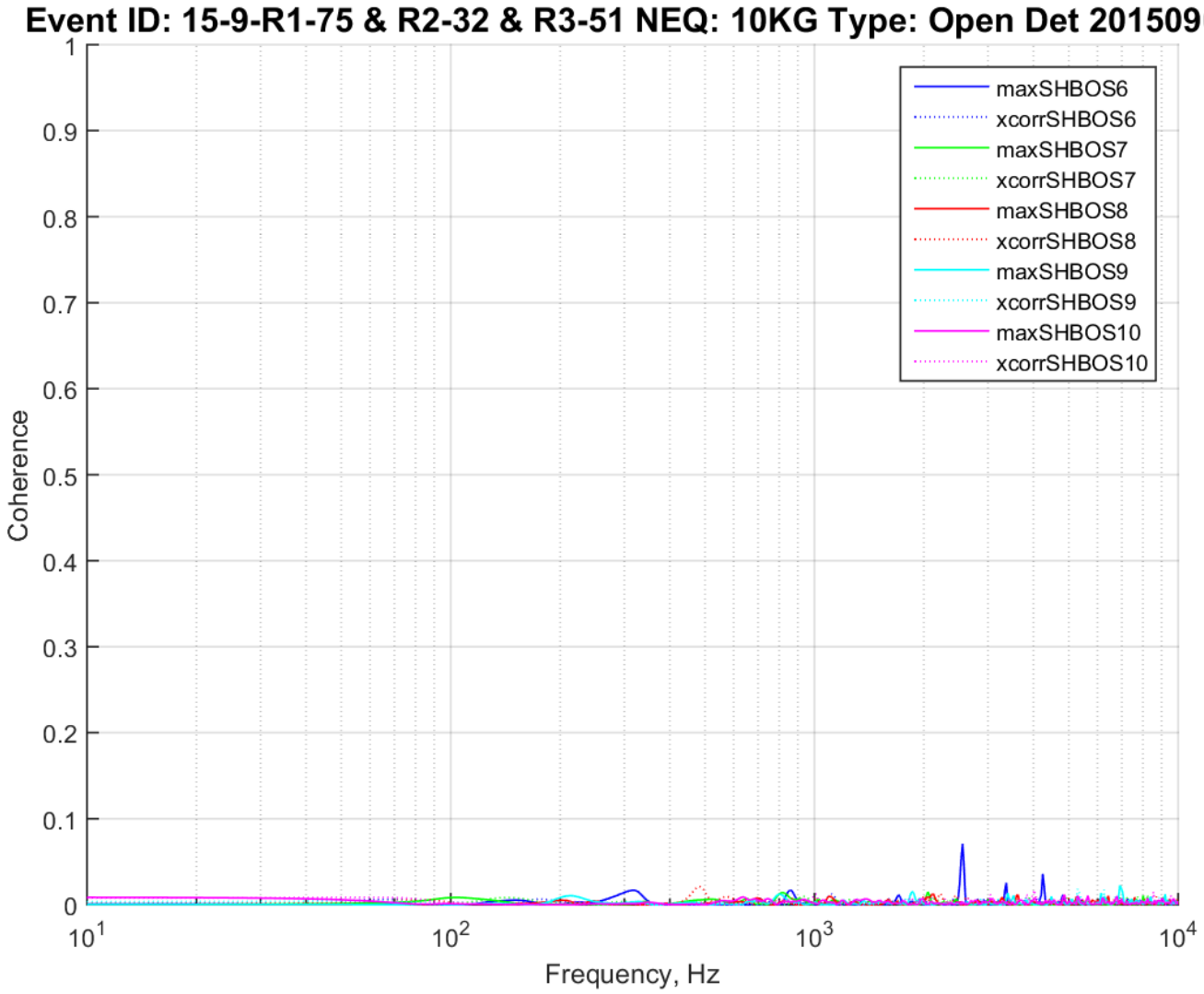


FIGURE 2.894: COHERENCE SHB_OS 6 - 10 15-9-R1-75 & R2-32 & R3-51CTD

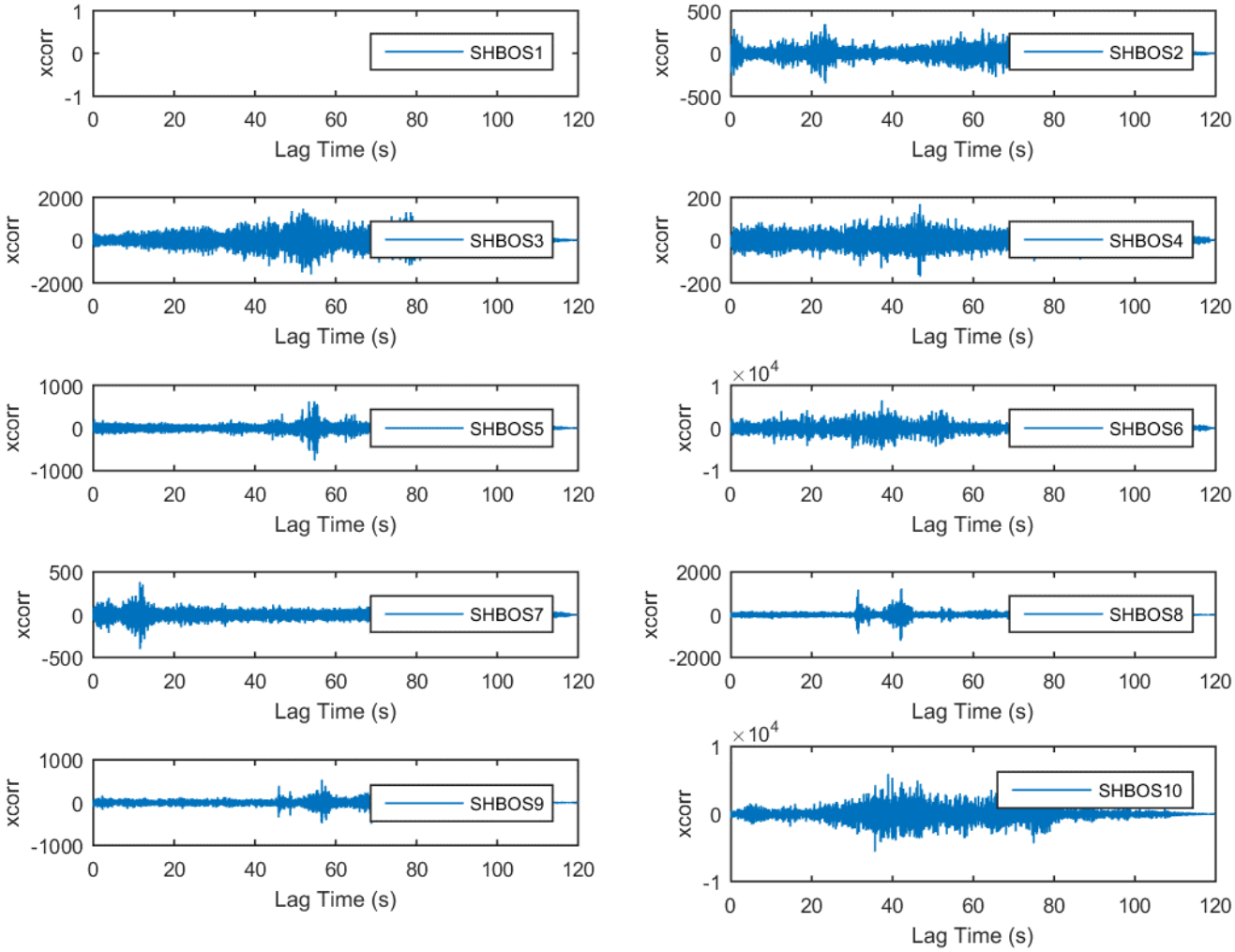


FIGURE 2.895: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-75 & R2-32 & R3-51

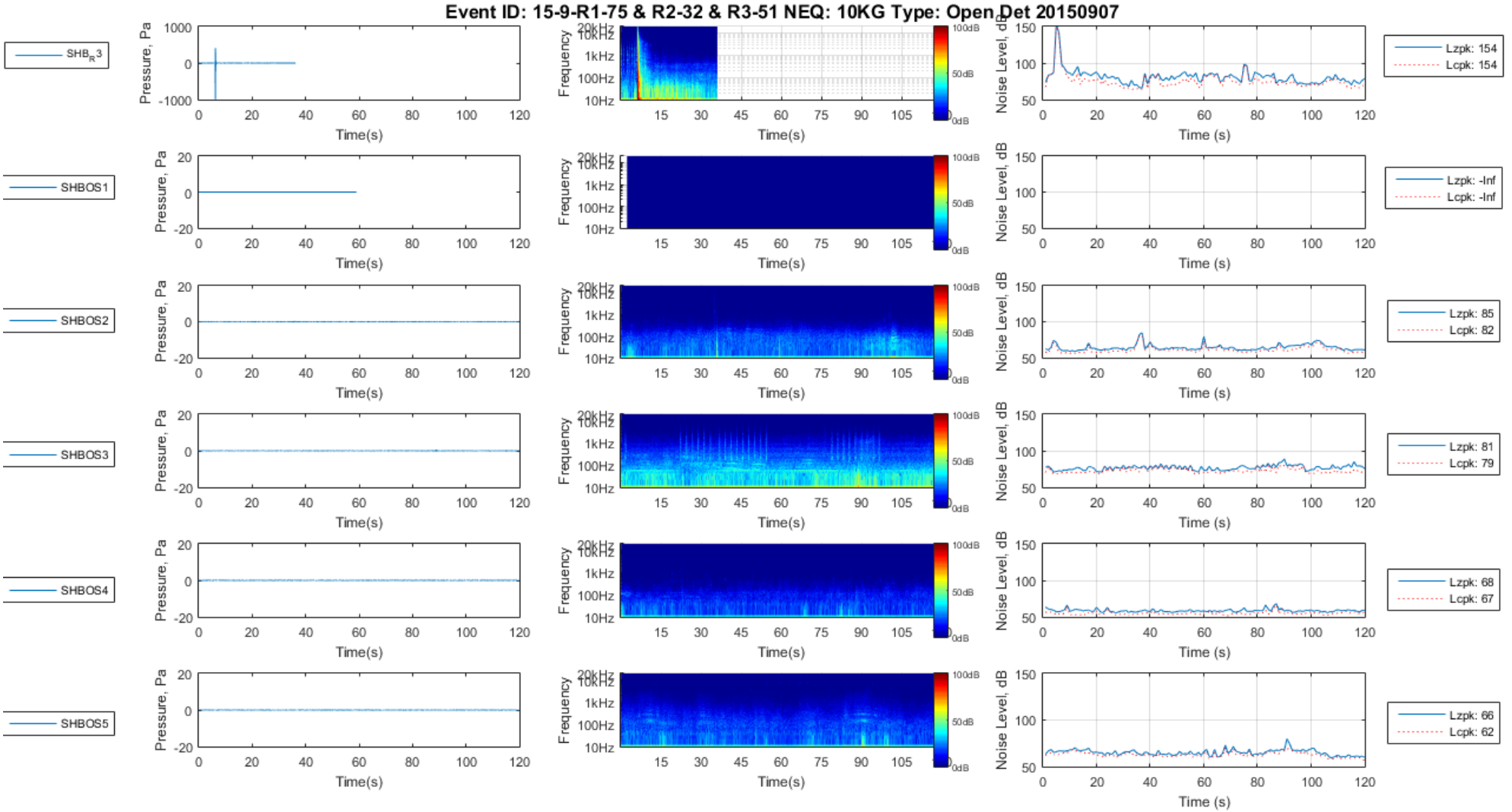


FIGURE 2.896: SHB_OS 1 - 5 15-9-R1-75 & R2-32 & R3-51

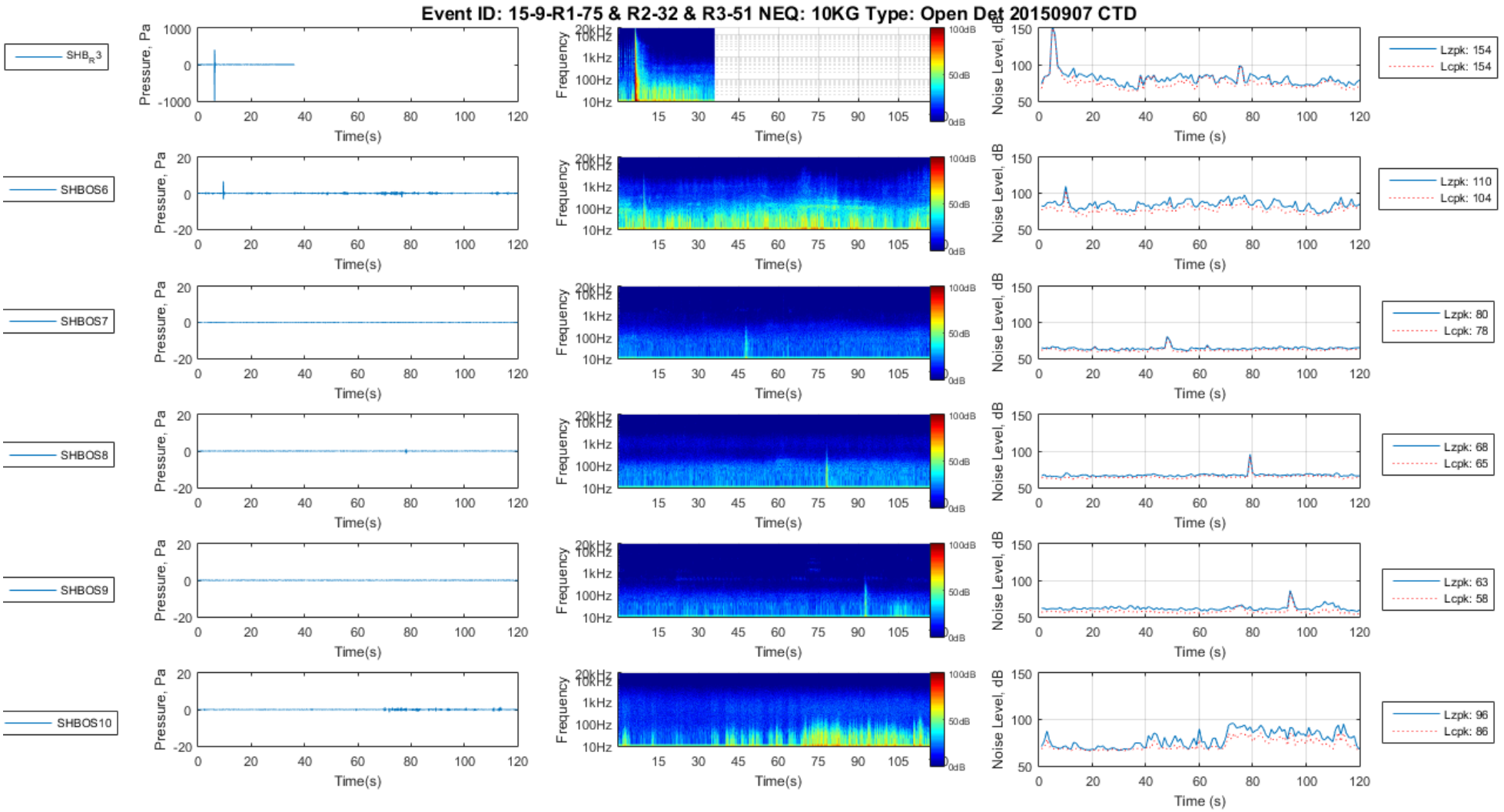


FIGURE 2.897: SHB_OS 6 - 10 15-9-R1-75 & R2-32 & R3-51

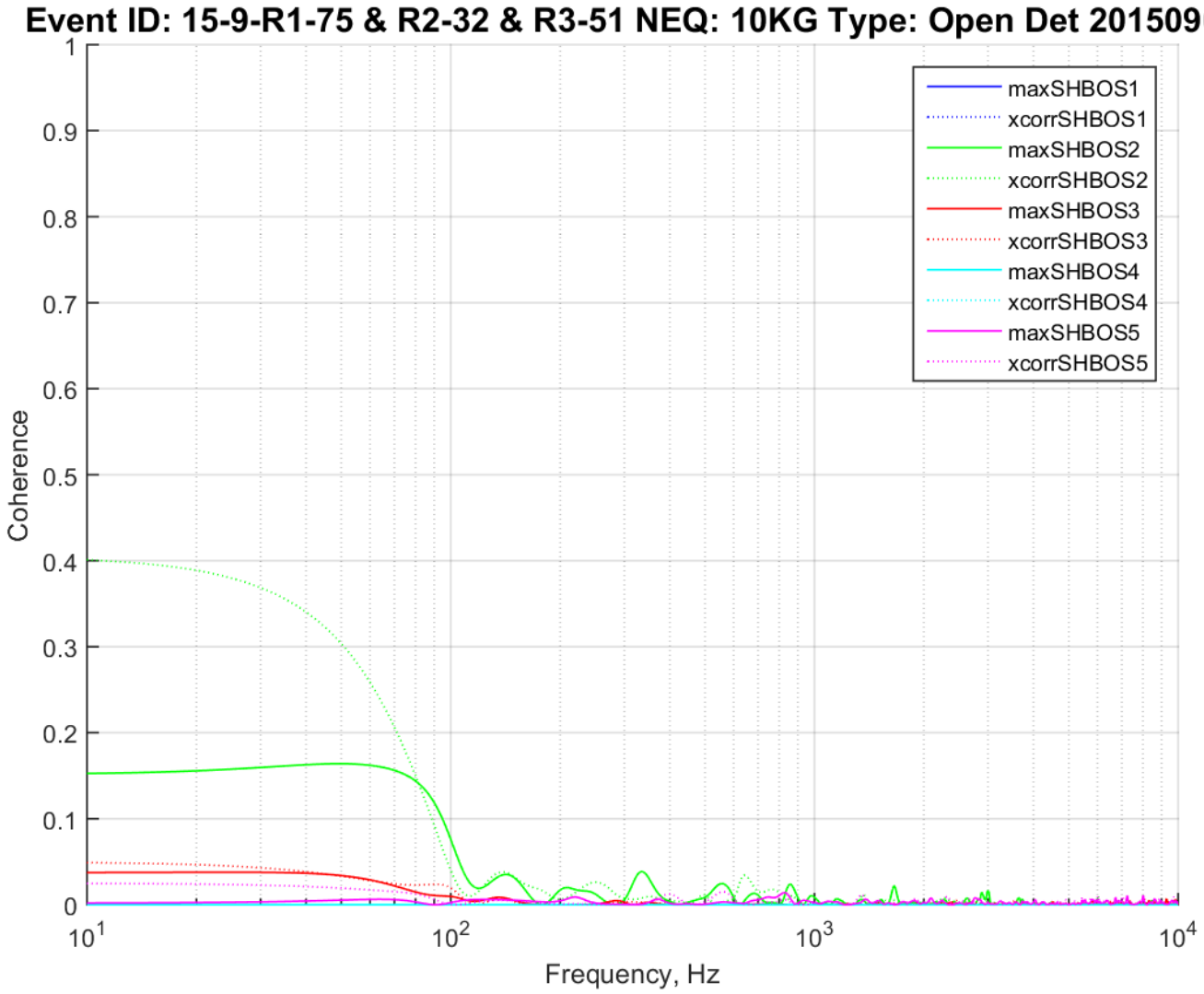


FIGURE 2.898: COHERENCE SHB_OS 1 - 5 15-9-R1-75 & R2-32 & R3-51

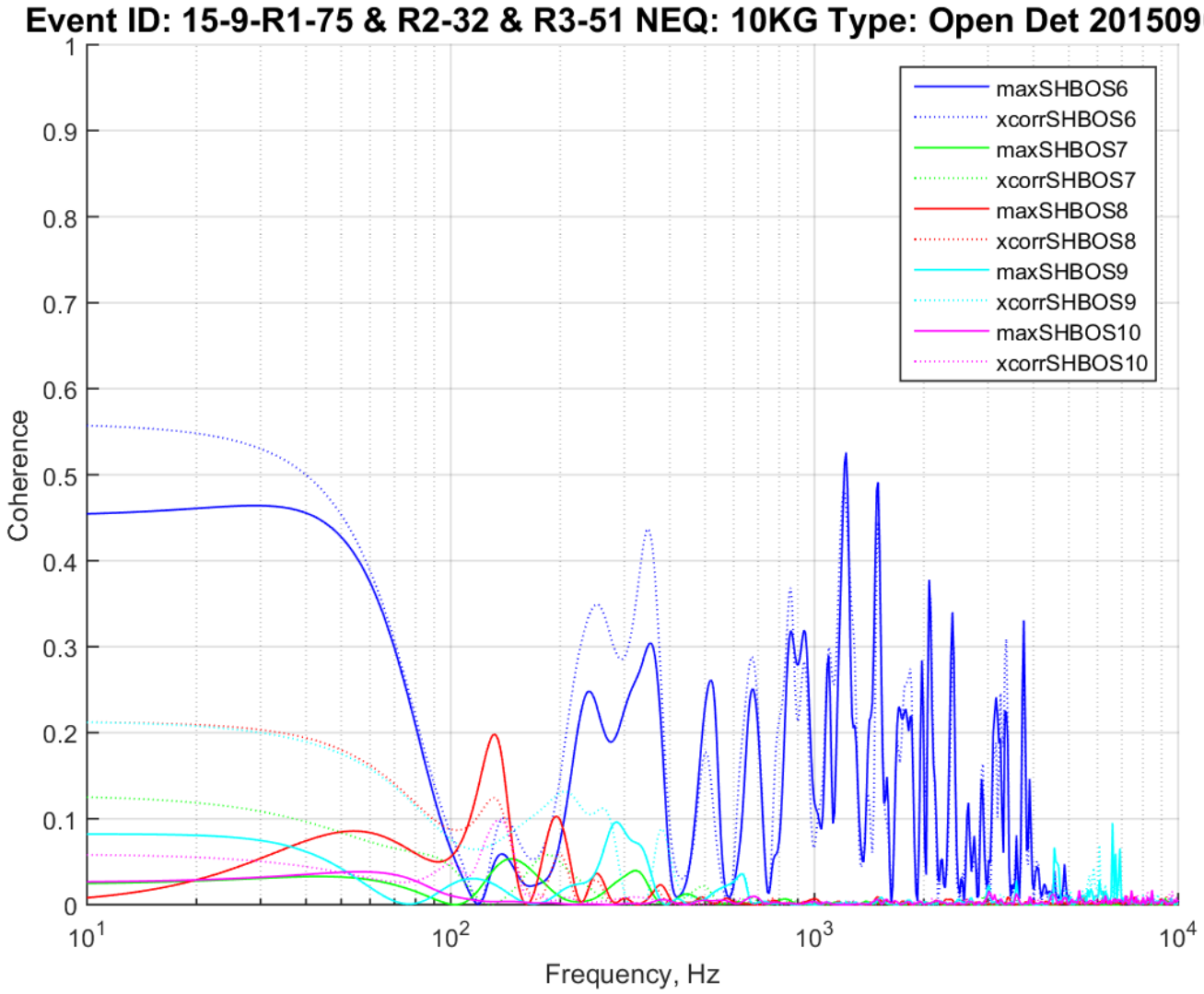


FIGURE 2.899: COHERENCE SHB_OS 6 - 10 15-9-R1-75 & R2-32 & R3-51CTD

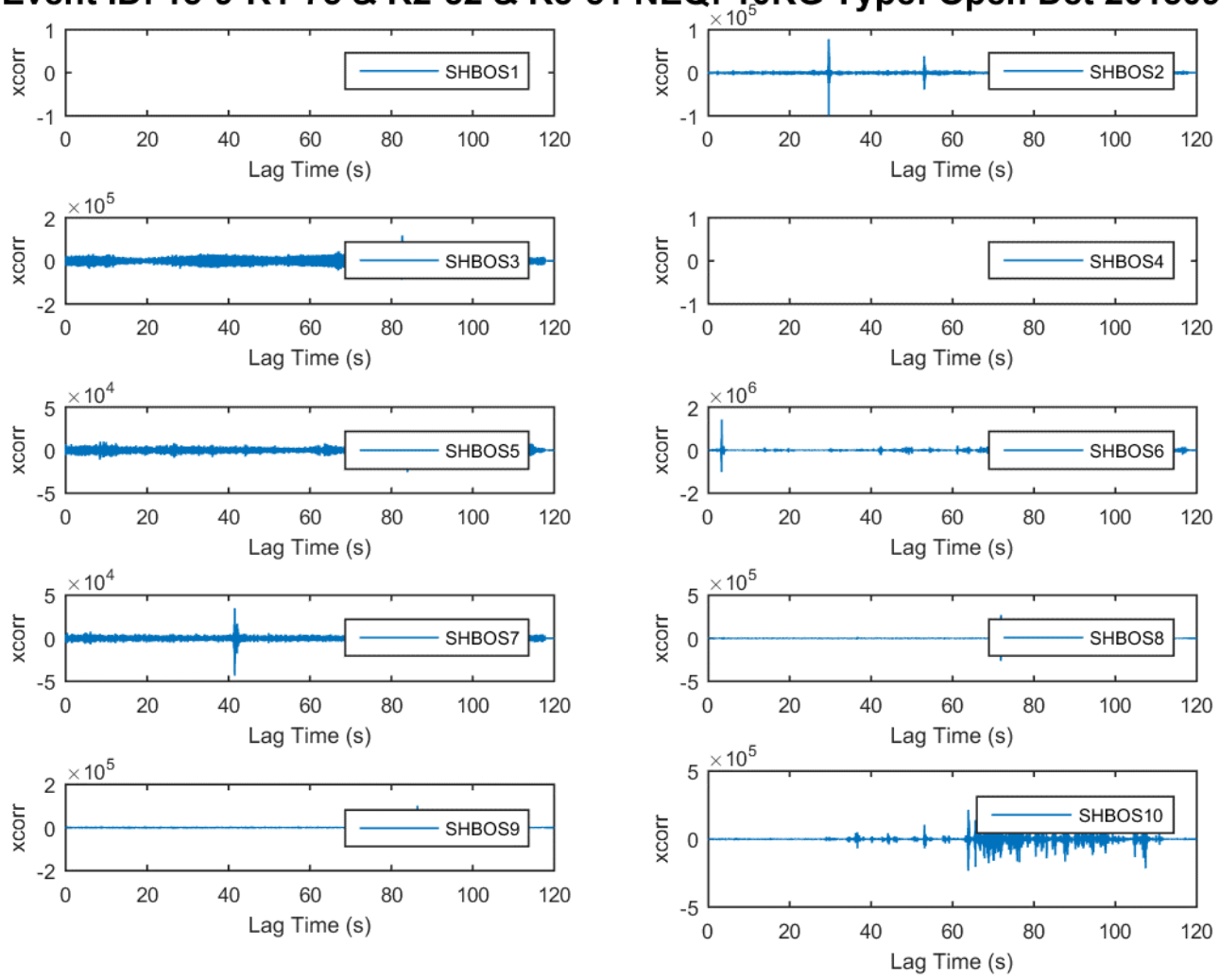


FIGURE 2.900: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-75 & R2-32 & R3-51

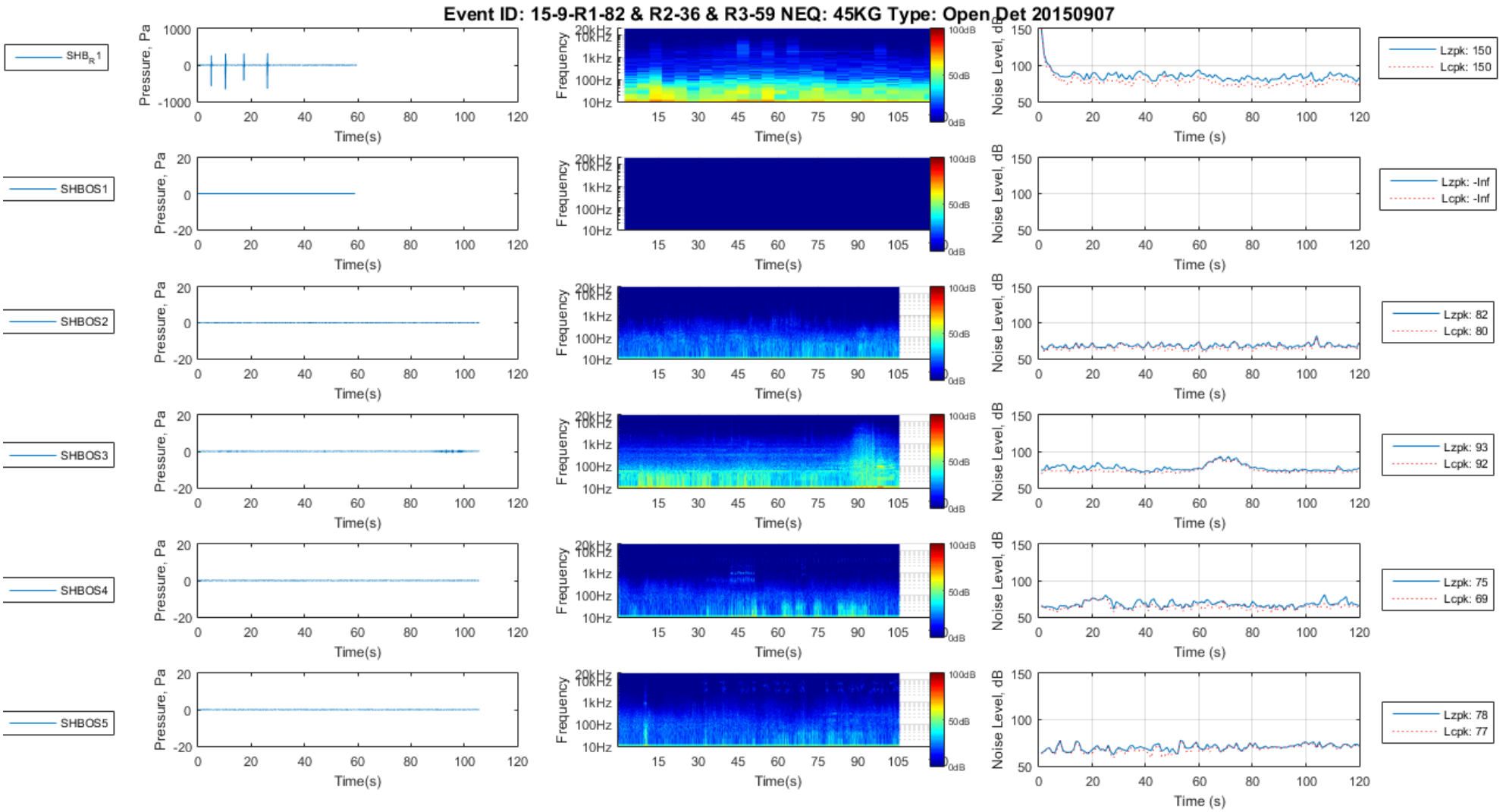


FIGURE 2.901: SHB_OS 1 - 5 15-9-R1-82 & R2-36 & R3-59

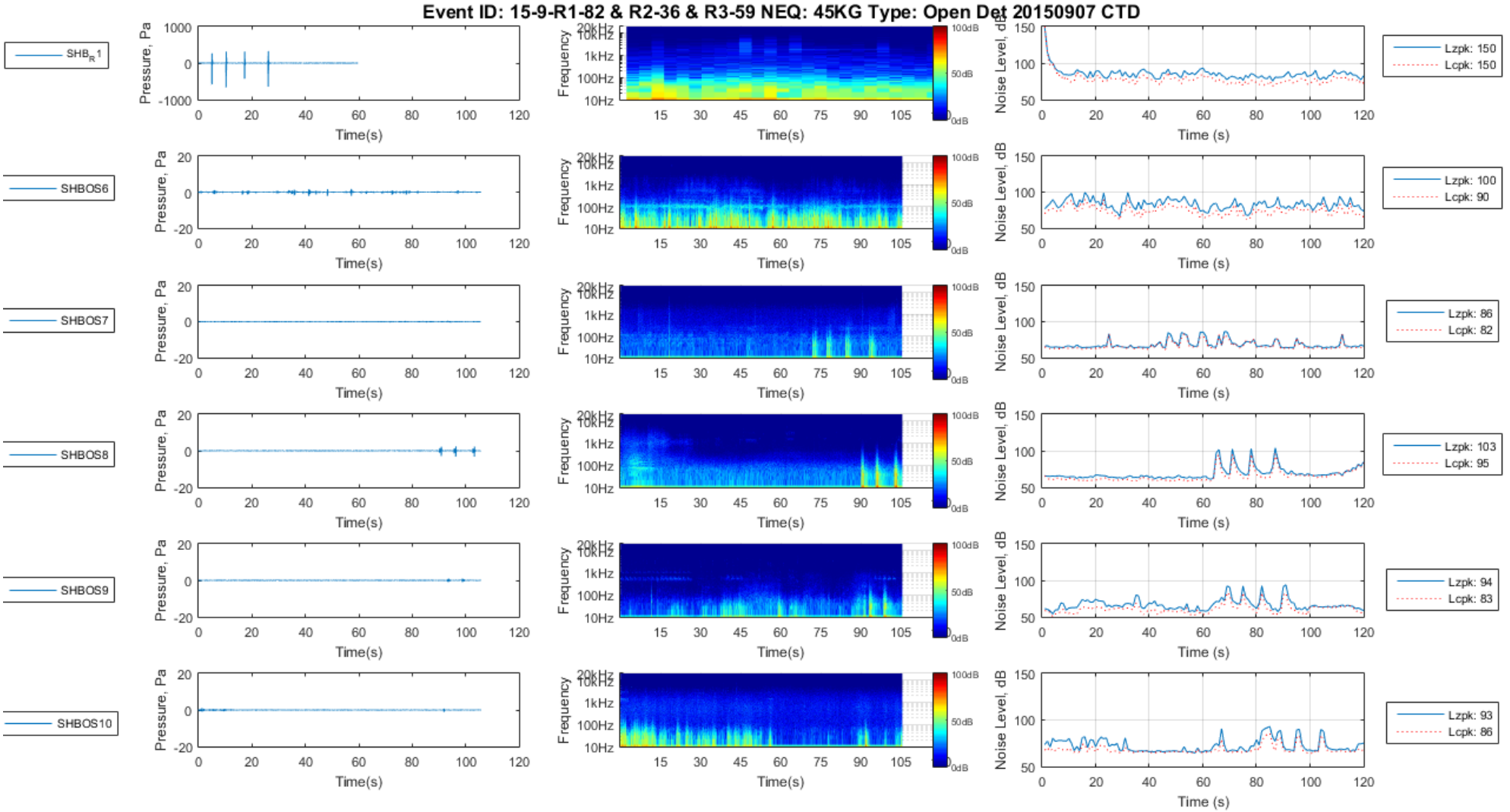


FIGURE 2.902: SHB_OS 6 - 10 15-9-R1-82 & R2-36 & R3-59

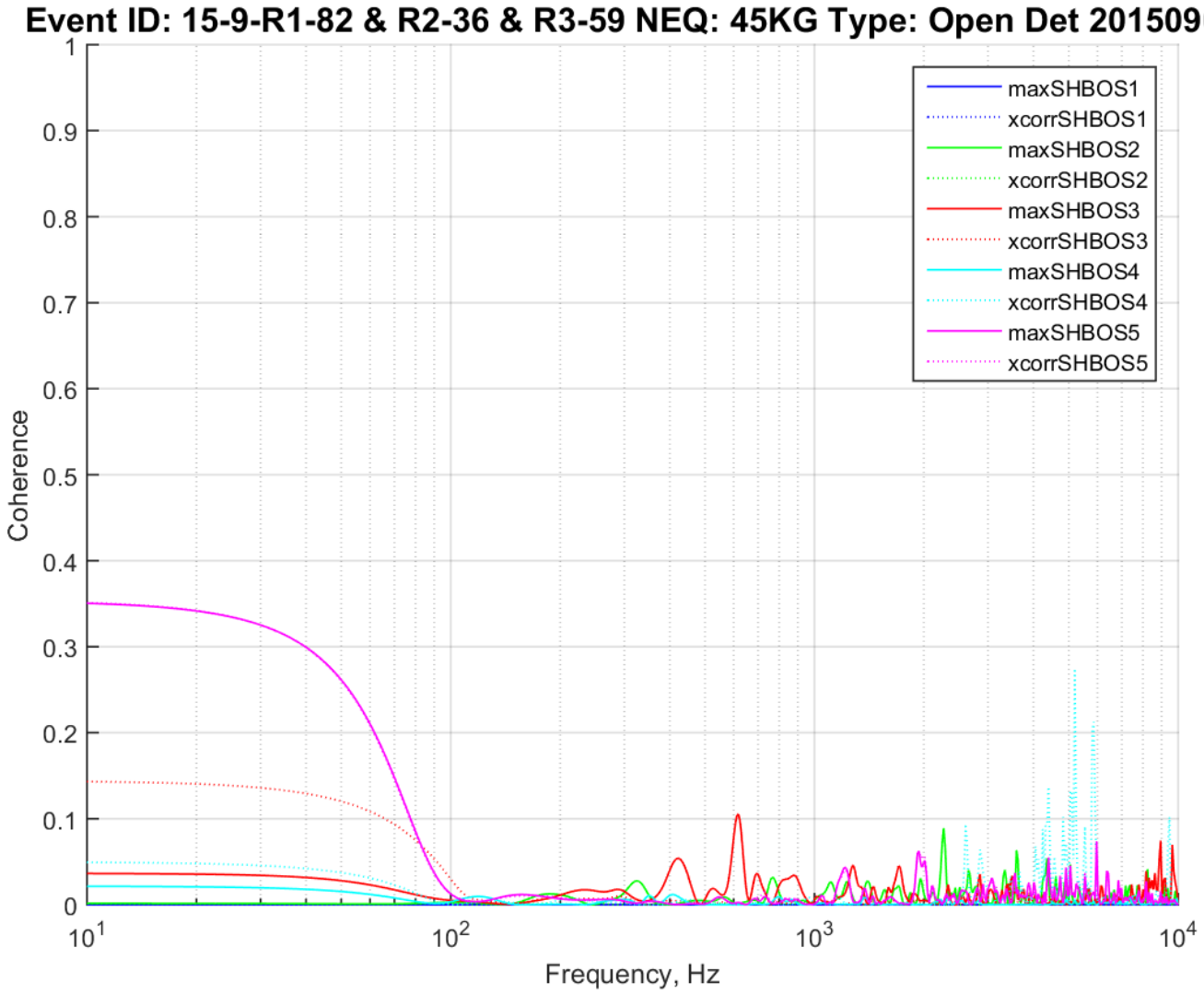


FIGURE 2.903: COHERENCE SHB_OS 1 - 5 15-9-R1-82 & R2-36 & R3-59

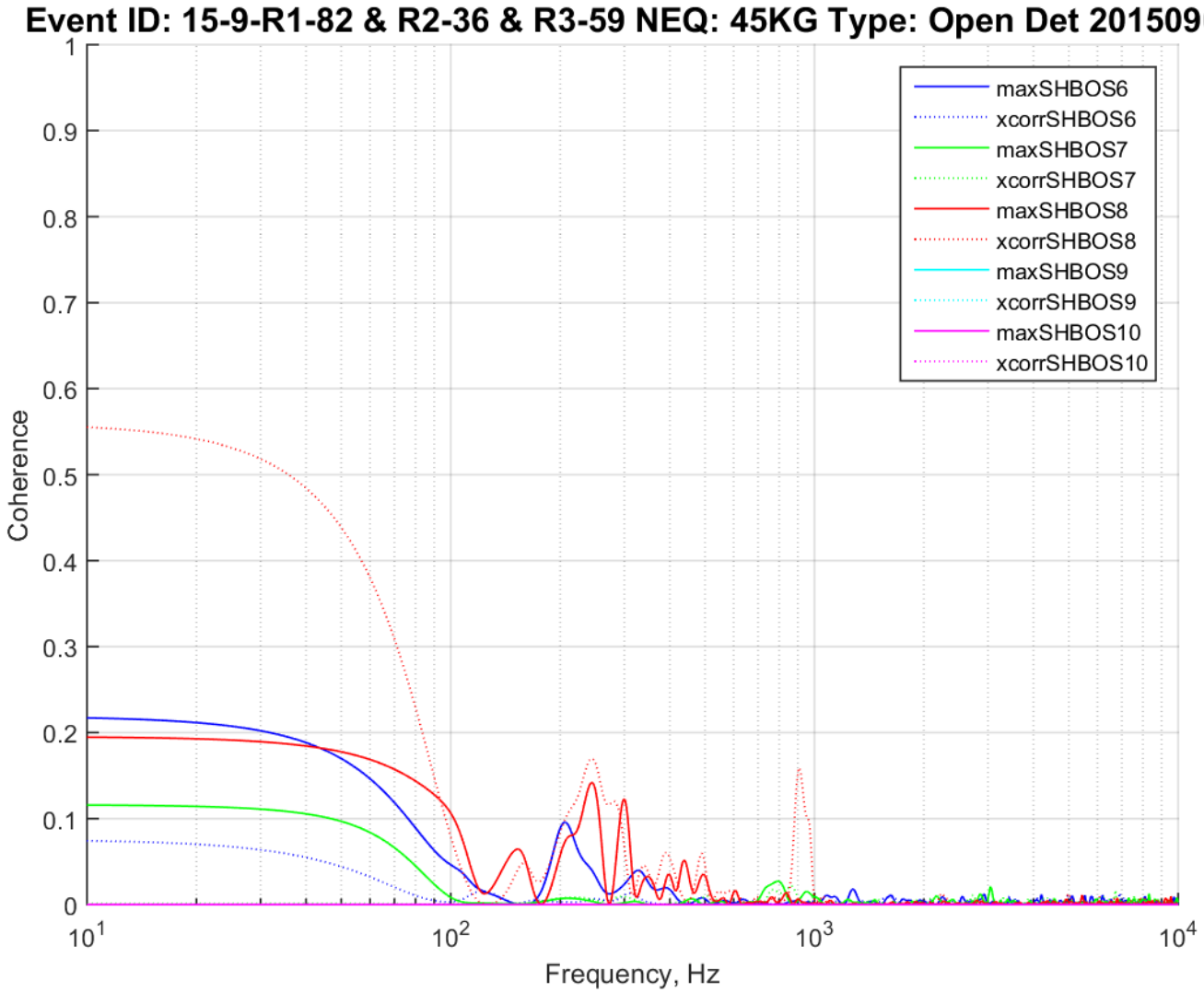


FIGURE 2.904: COHERENCE SHB_OS 6 - 10 15-9-R1-82 & R2-36 & R3-59CTD

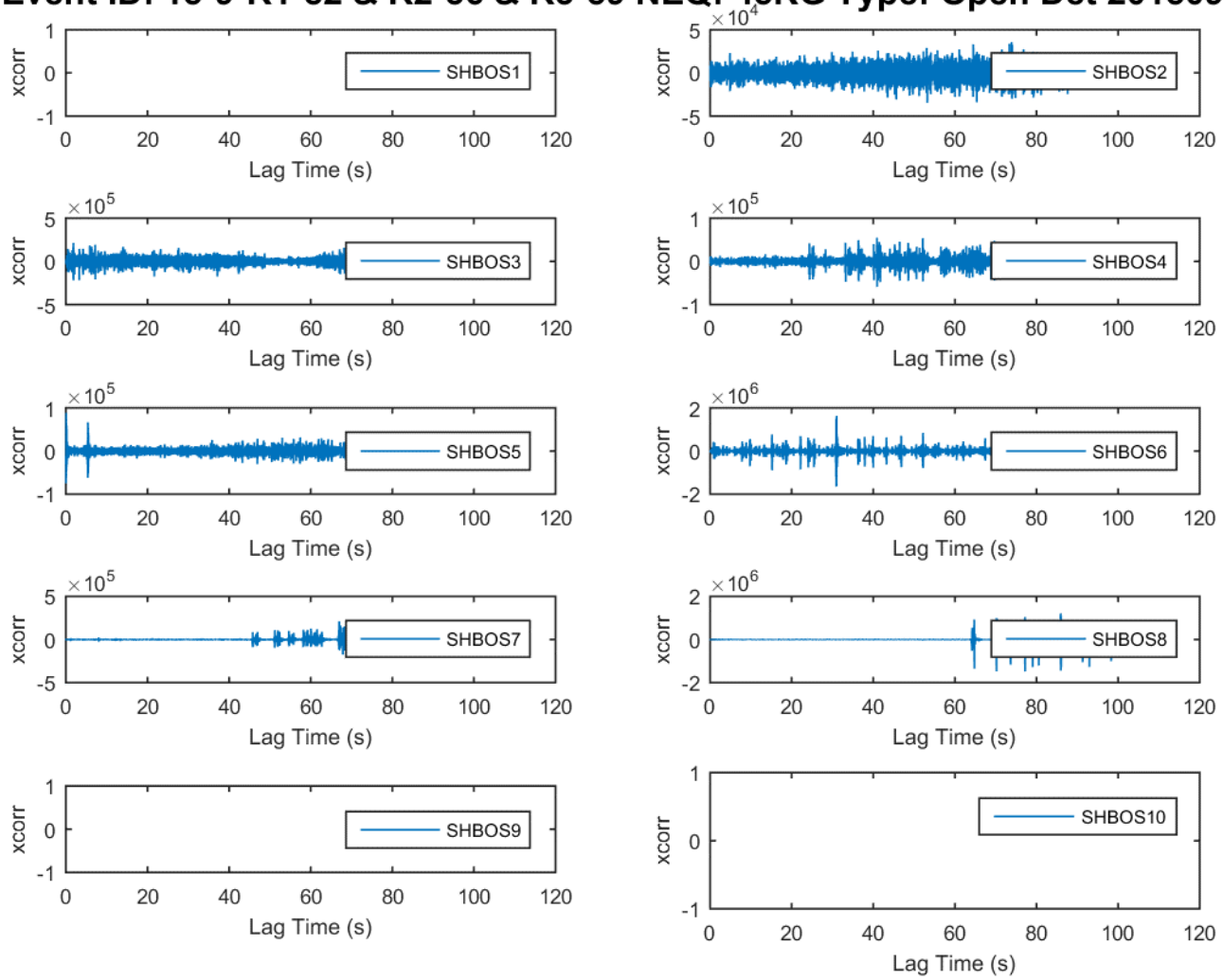


FIGURE 2.905: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-82 & R2-36 & R3-59

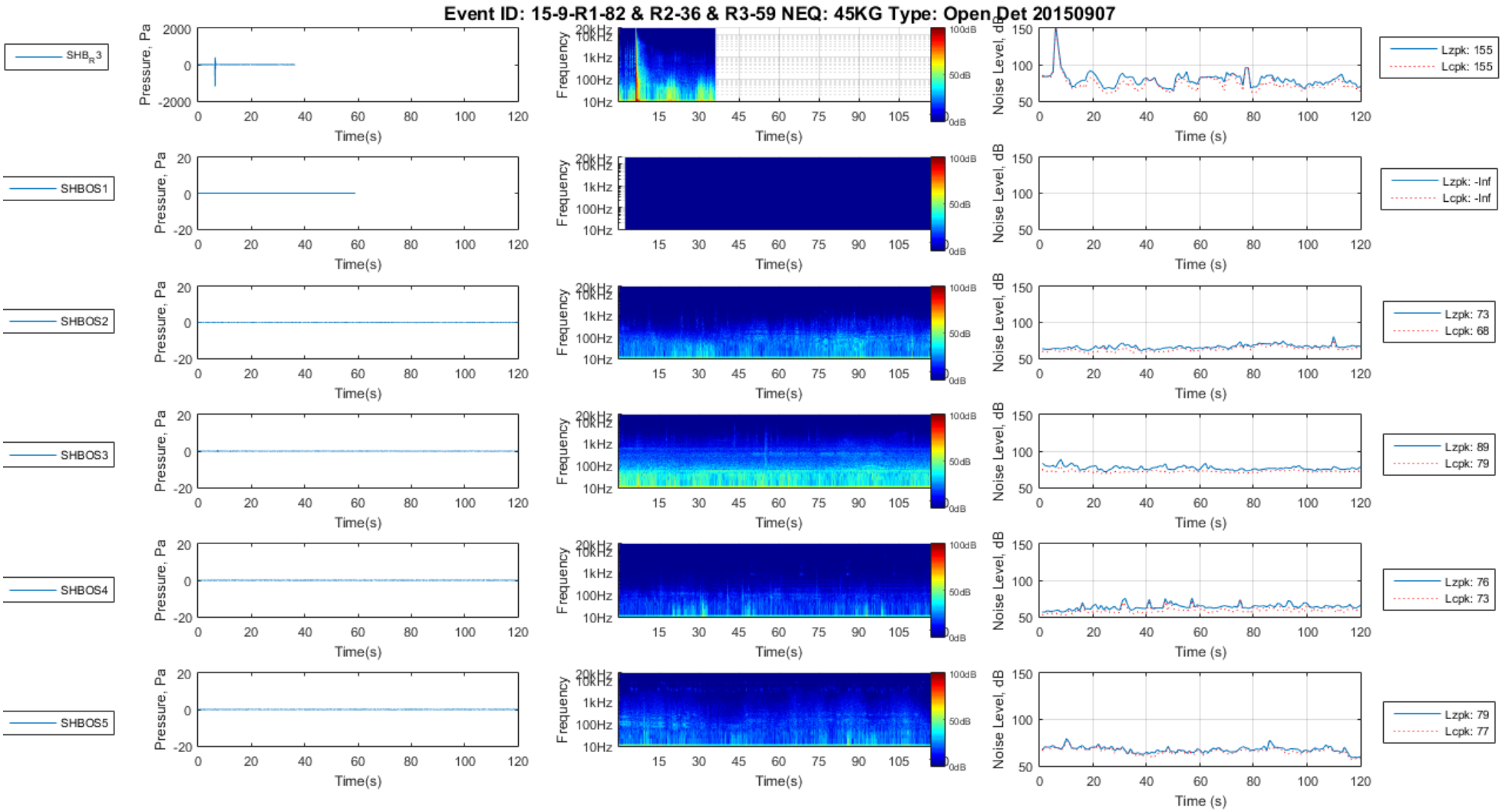


FIGURE 2.906: SHB_OS 1 - 5 15-9-R1-82 & R2-36 & R3-59

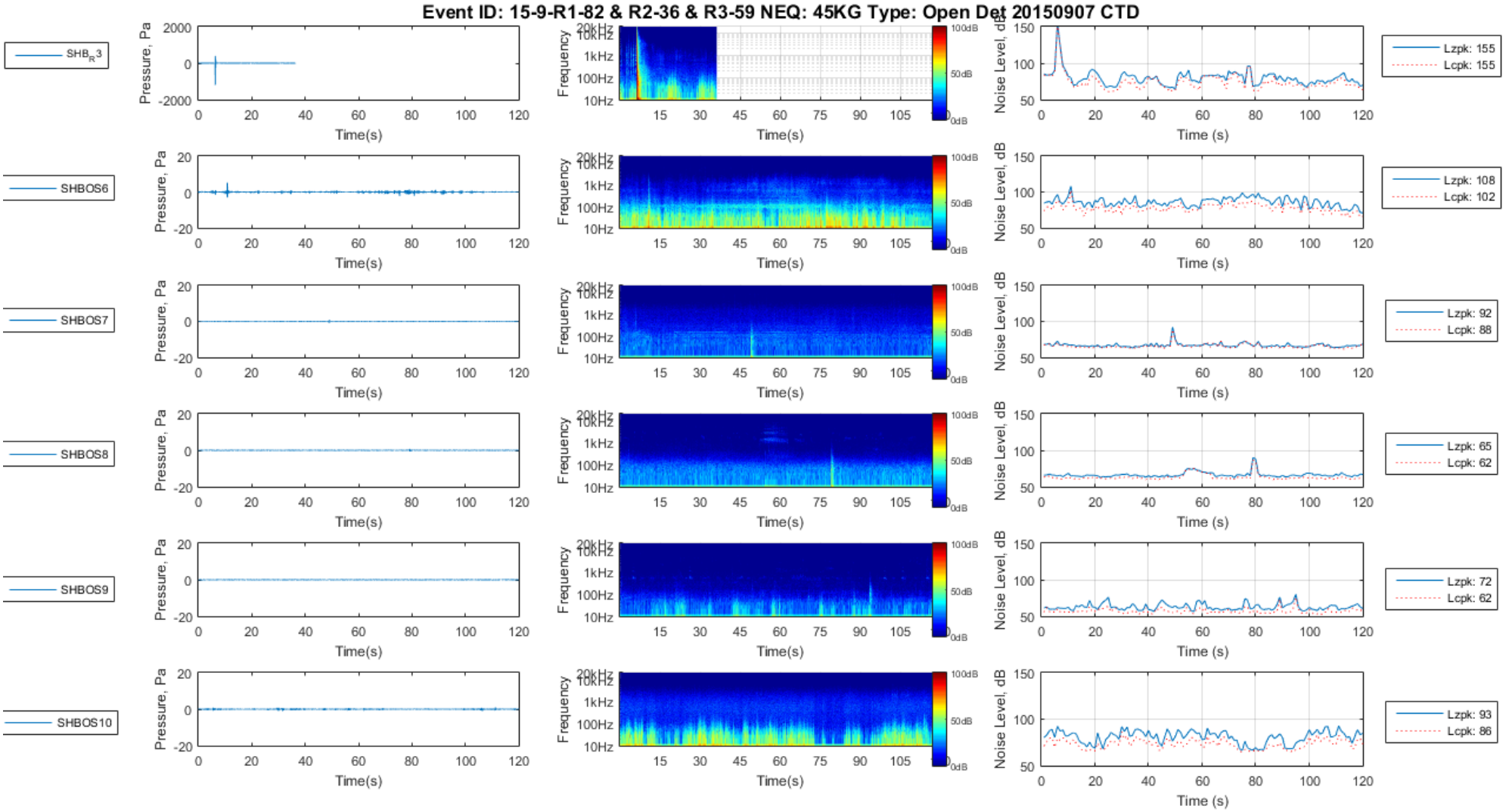


FIGURE 2.907: SHB_OS 6 - 10 15-9-R1-82 & R2-36 & R3-59

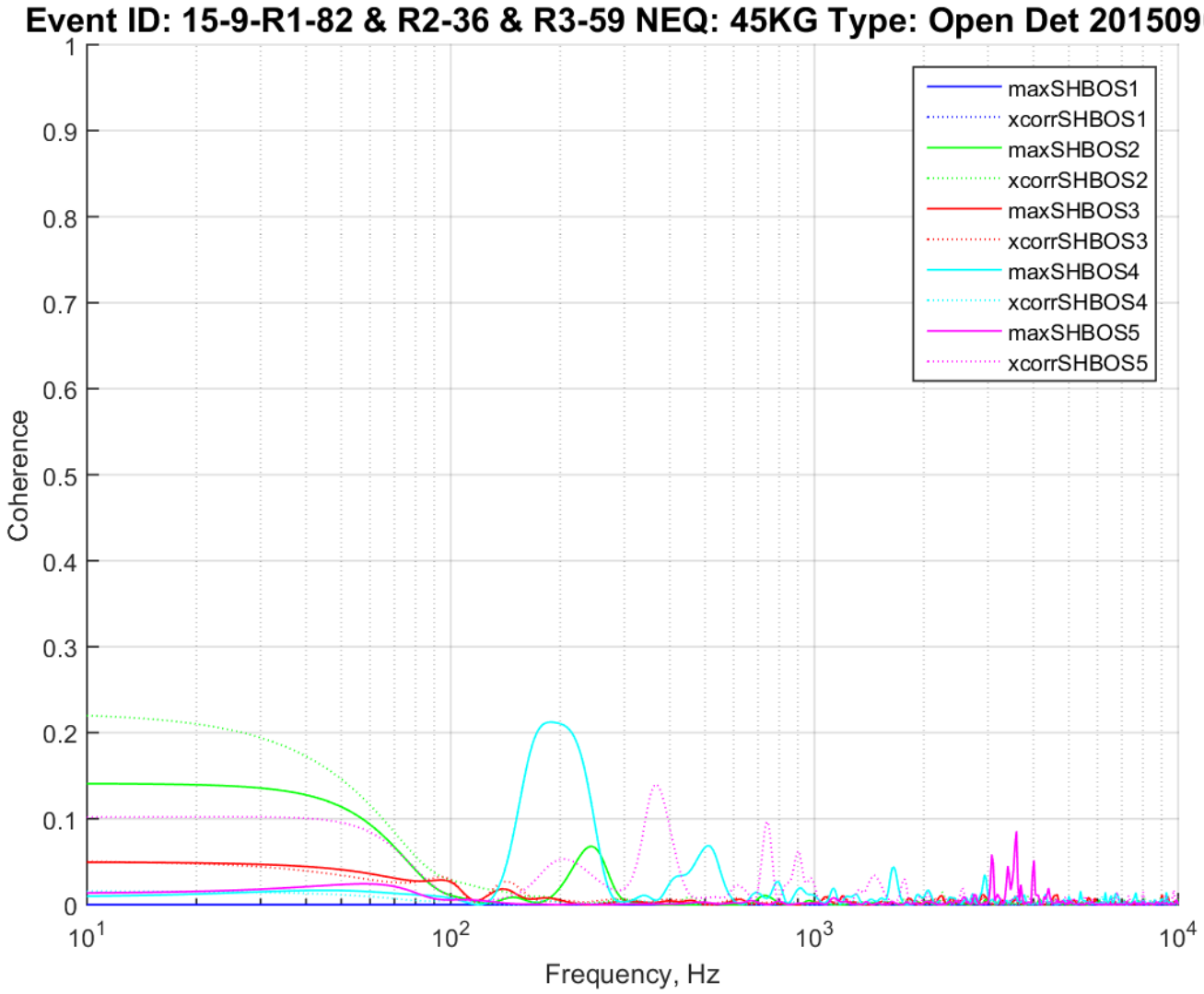


FIGURE 2.908: COHERENCE SHB_OS 1 - 5 15-9-R1-82 & R2-36 & R3-59

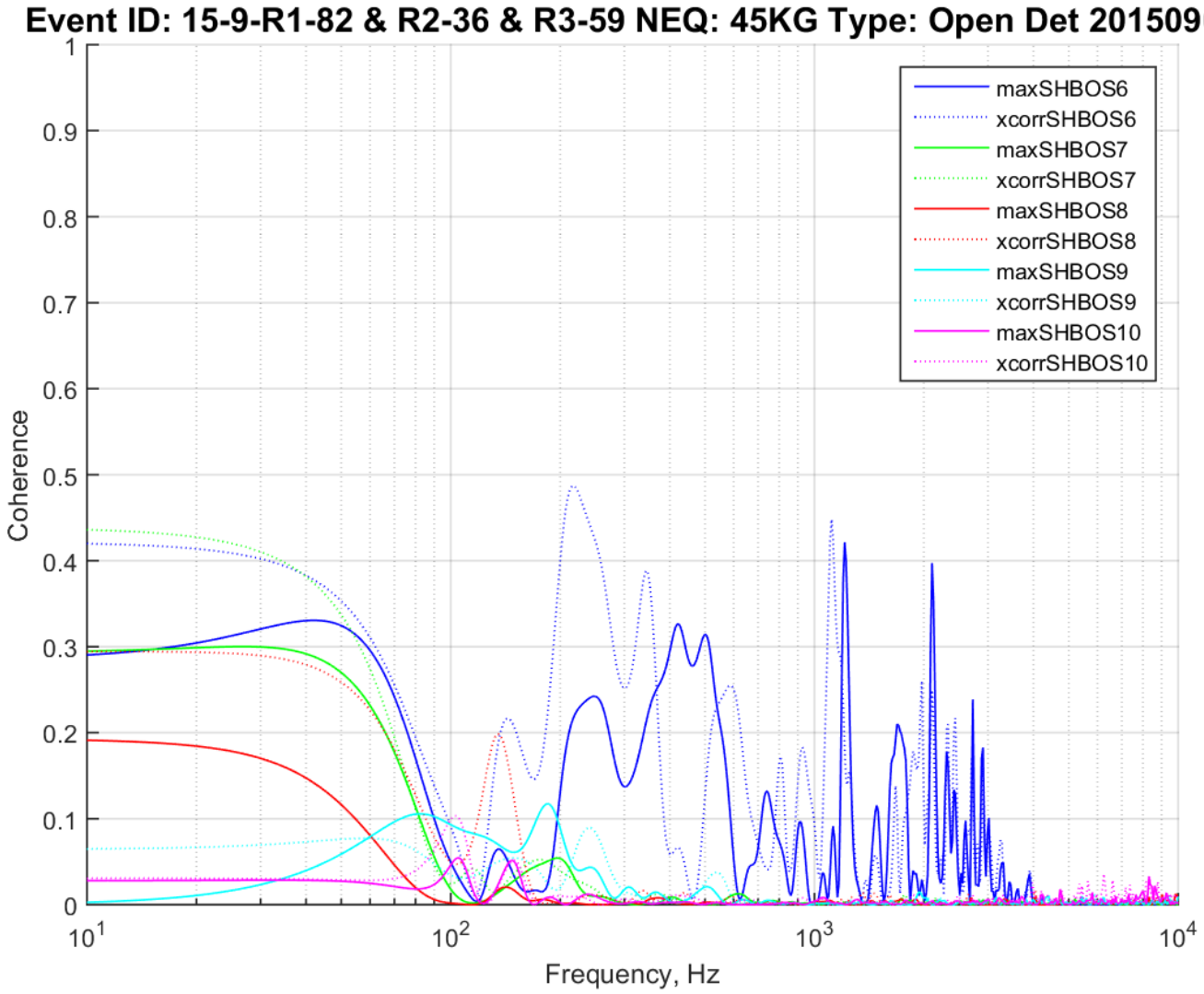


FIGURE 2.909: COHERENCE SHB_OS 6 - 10 15-9-R1-82 & R2-36 & R3-59CTD

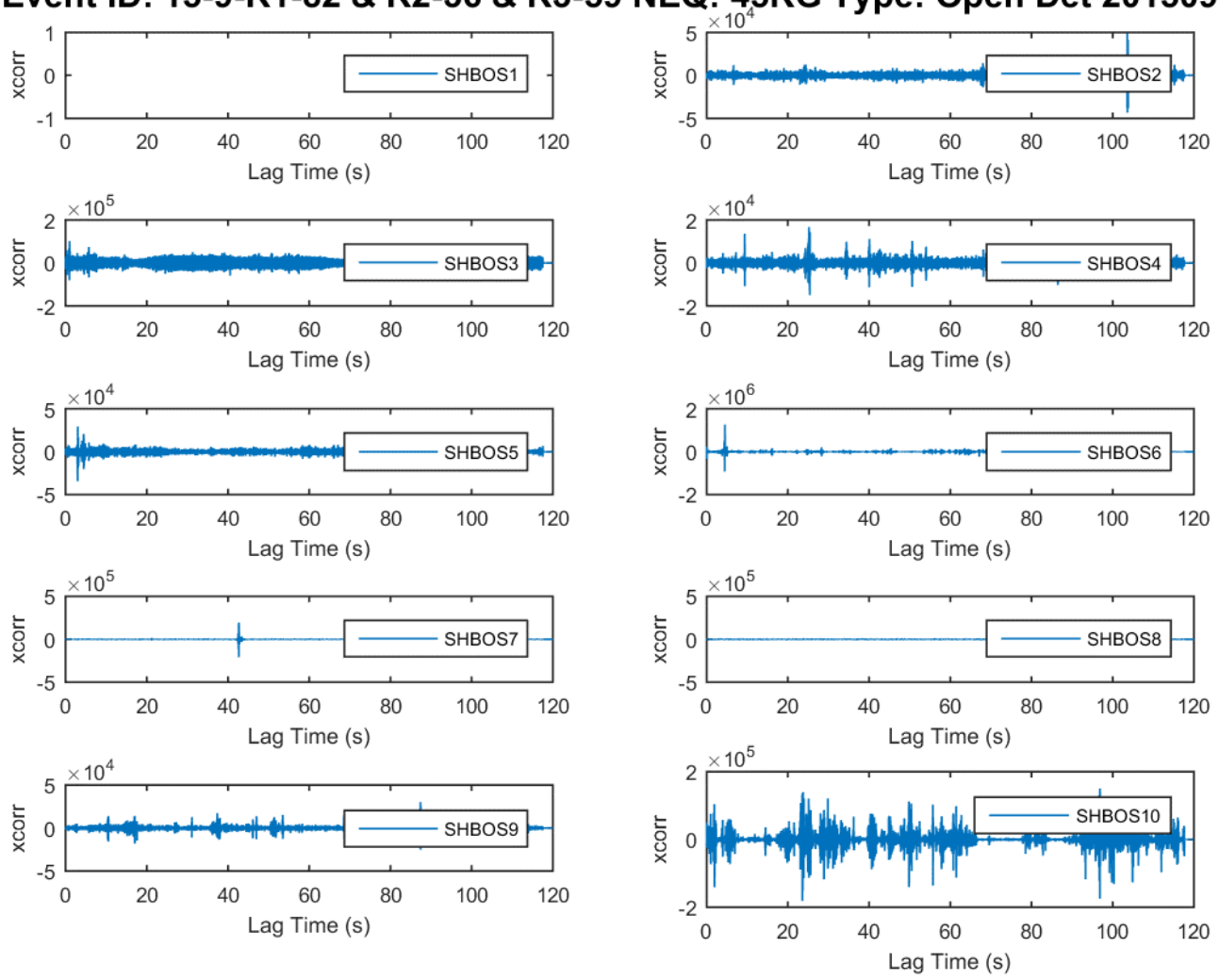


FIGURE 2.910: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-82 & R2-36 & R3-59

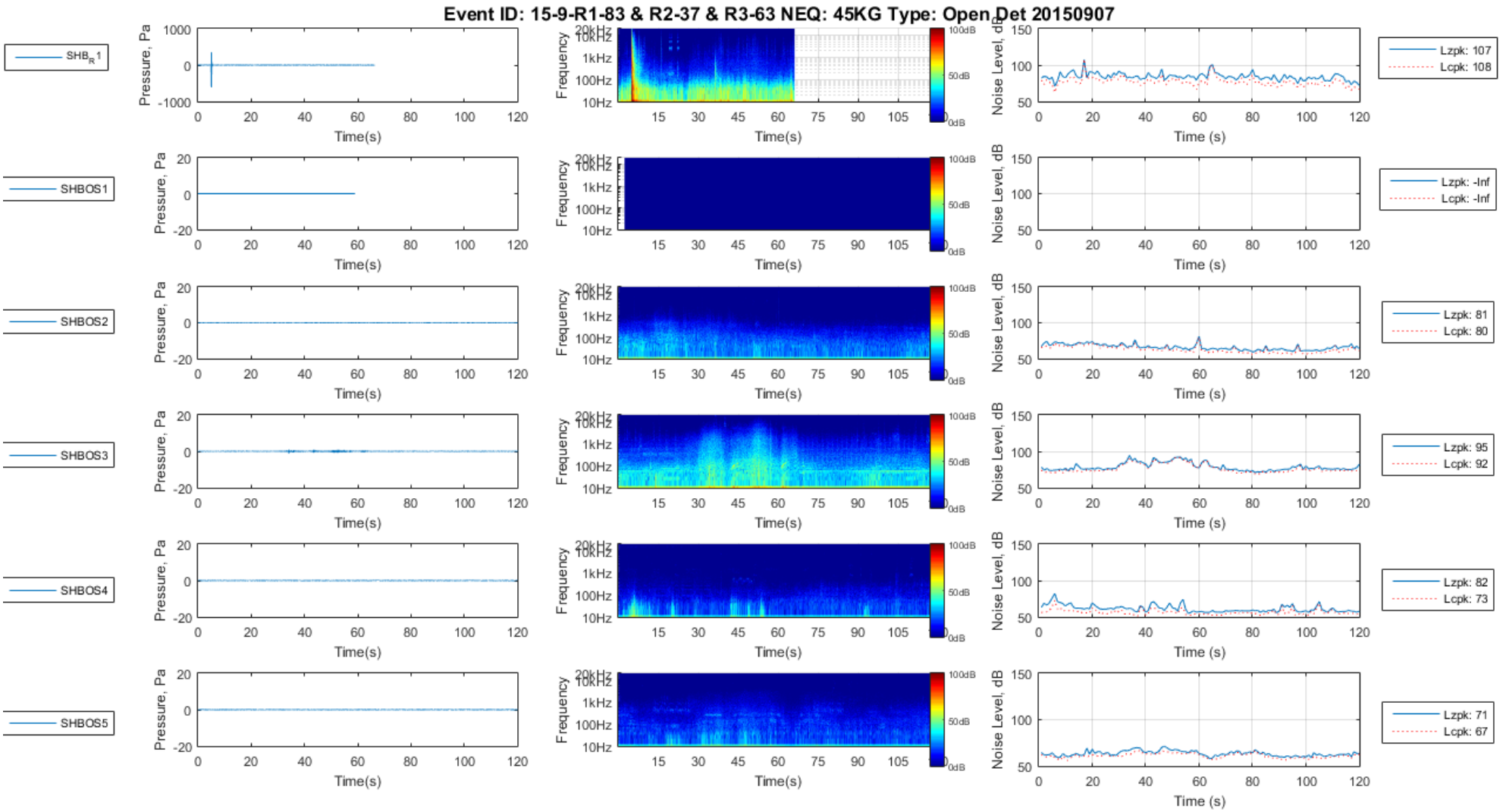


FIGURE 2.911: SHB_OS 1 - 5 15-9-R1-83 & R2-37 & R3-63

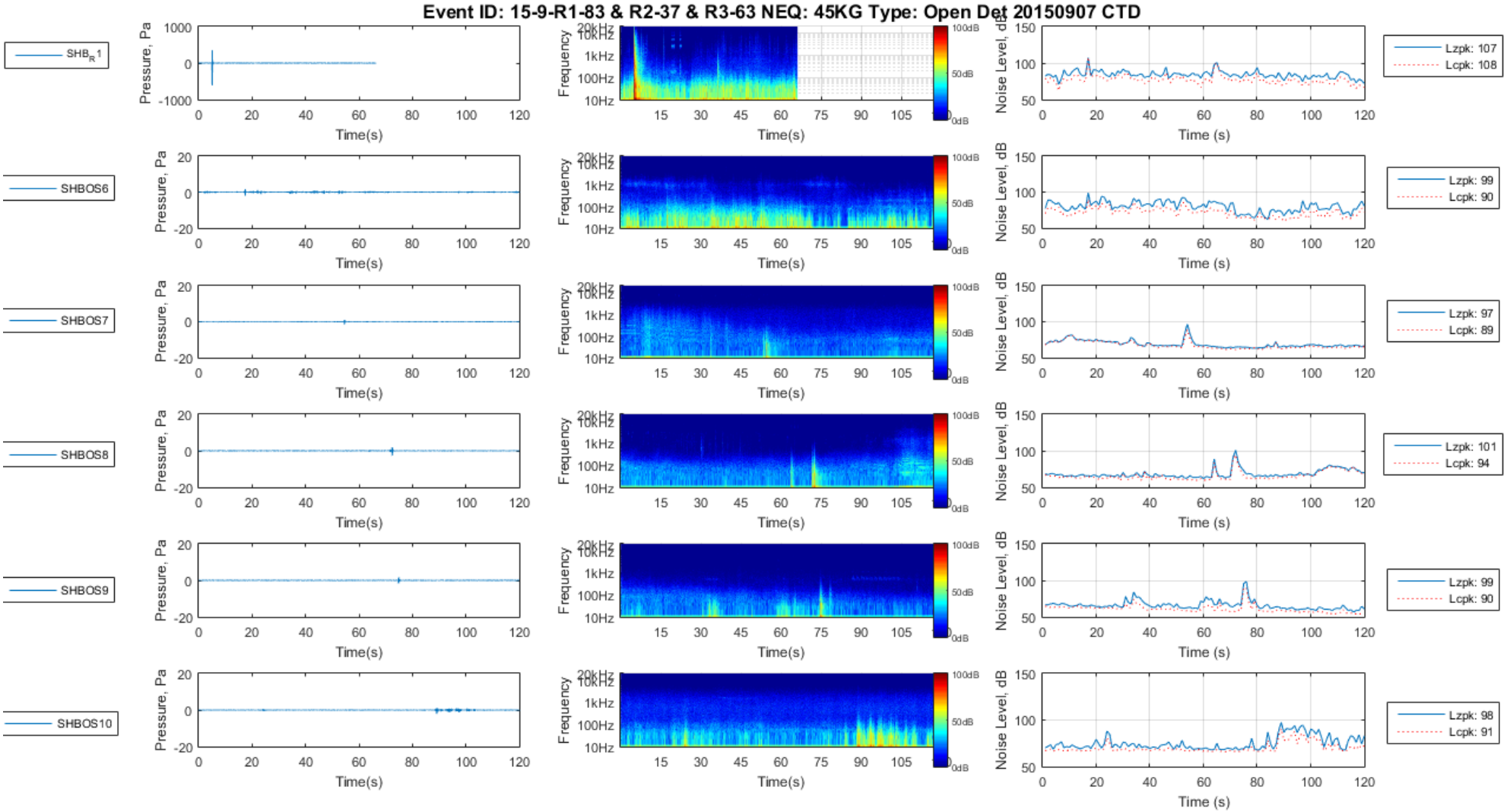


FIGURE 2.912: SHB_OS 6 - 10 15-9-R1-83 & R2-37 & R3-63

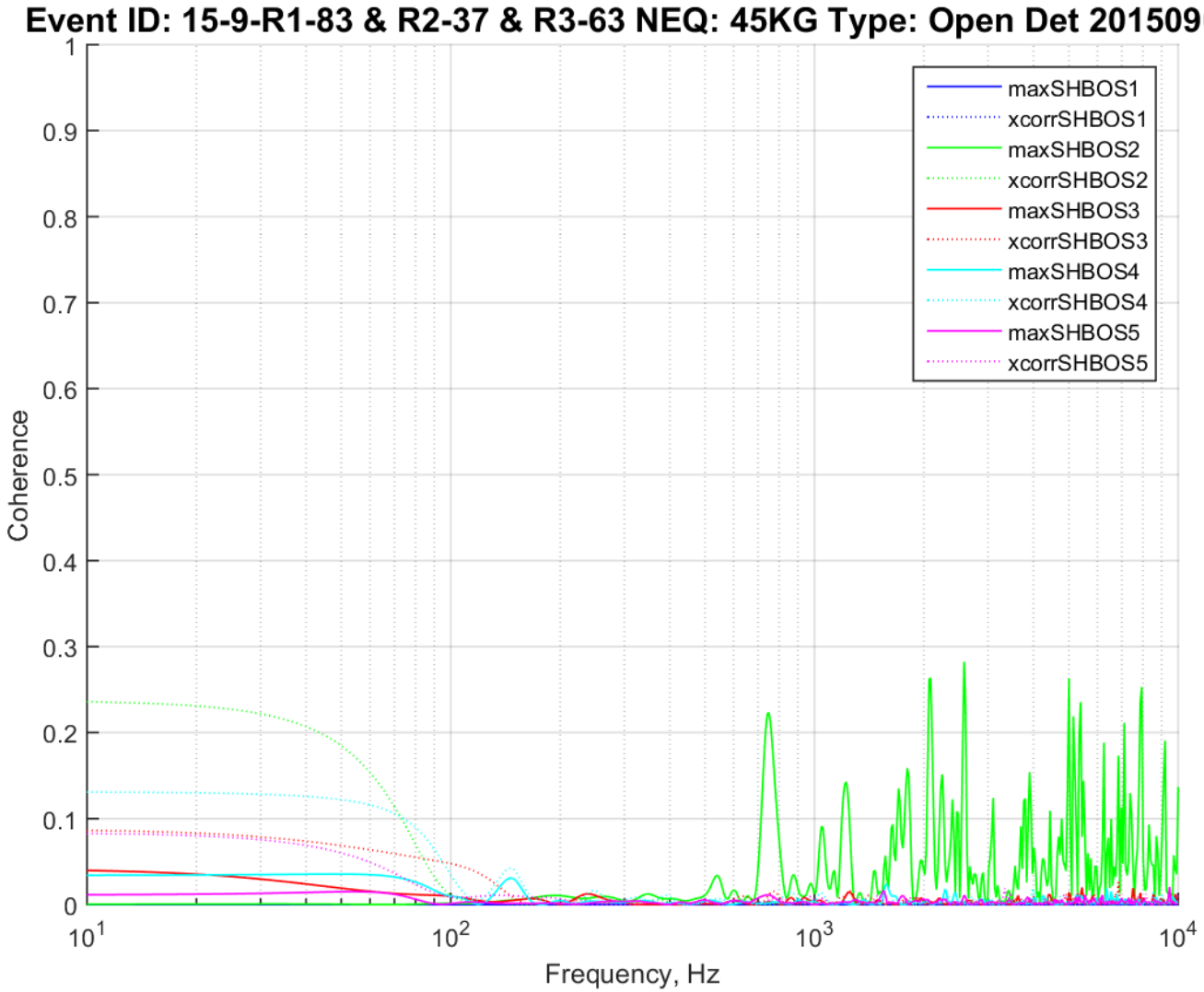


FIGURE 2.913: COHERENCE SHB_OS 1 - 5 15-9-R1-83 & R2-37 & R3-63

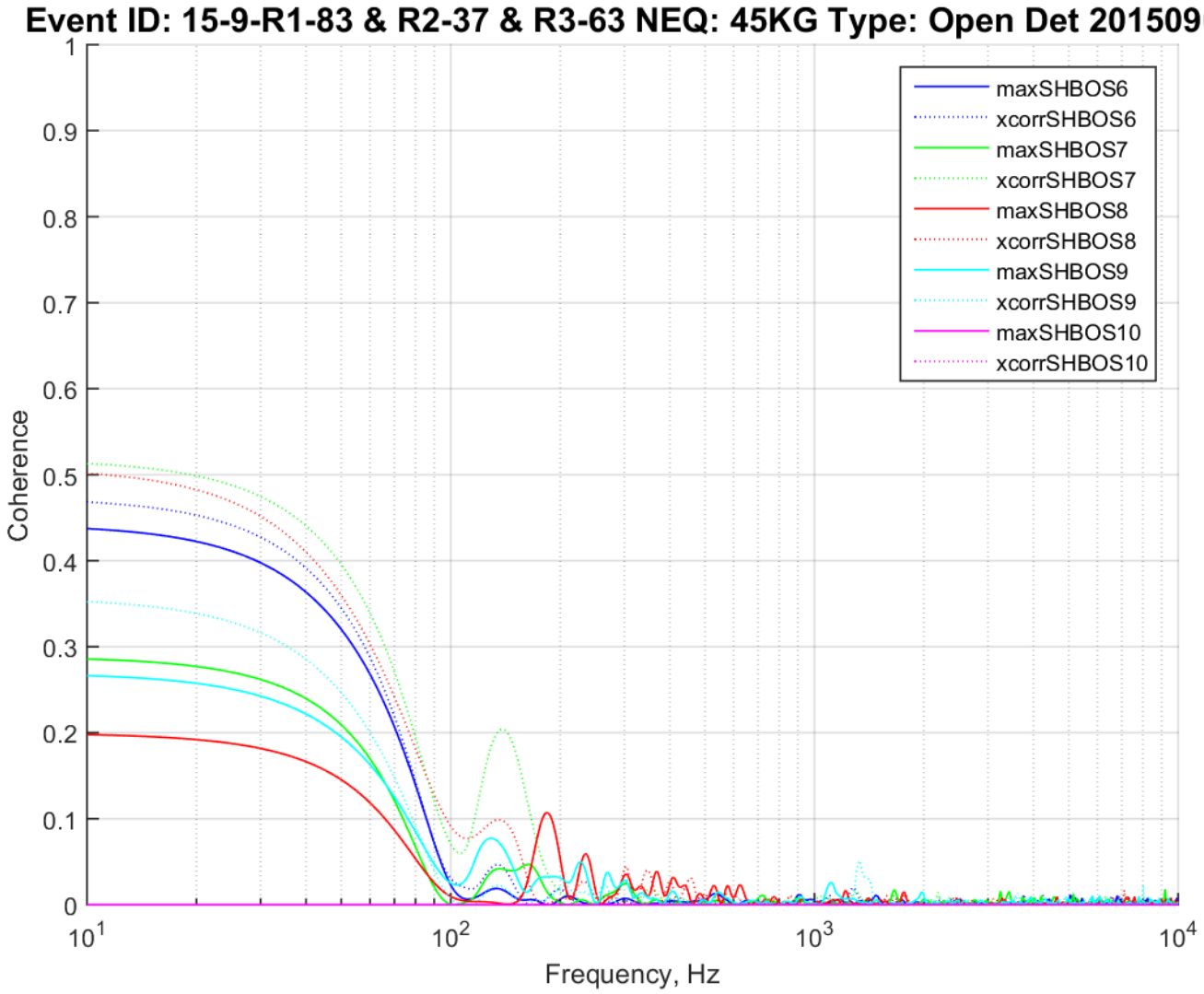


FIGURE 2.914: COHERENCE SHB_OS 6 - 10 15-9-R1-83 & R2-37 & R3-63CTD

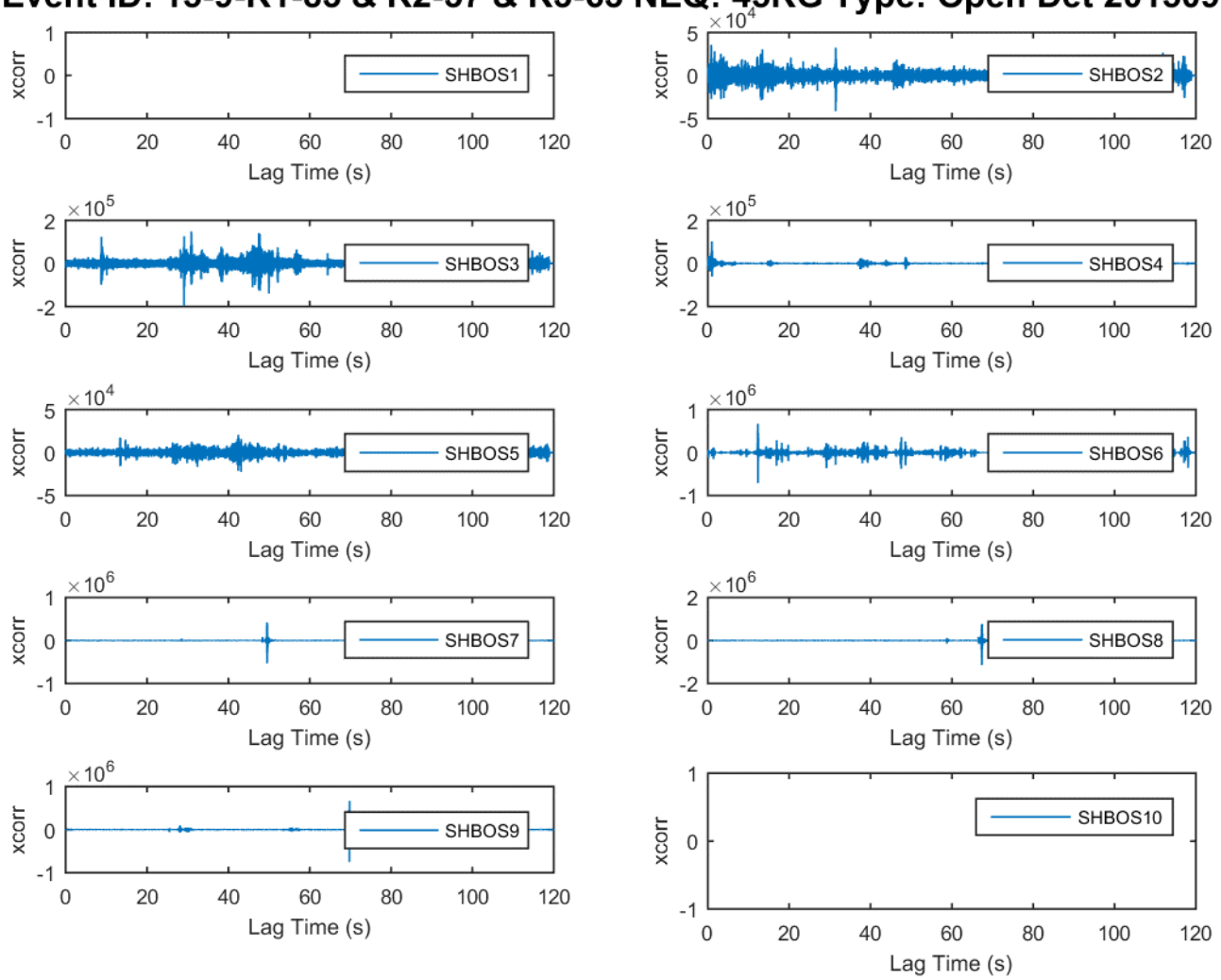


FIGURE 2.915: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-83 & R2-37 & R3-63

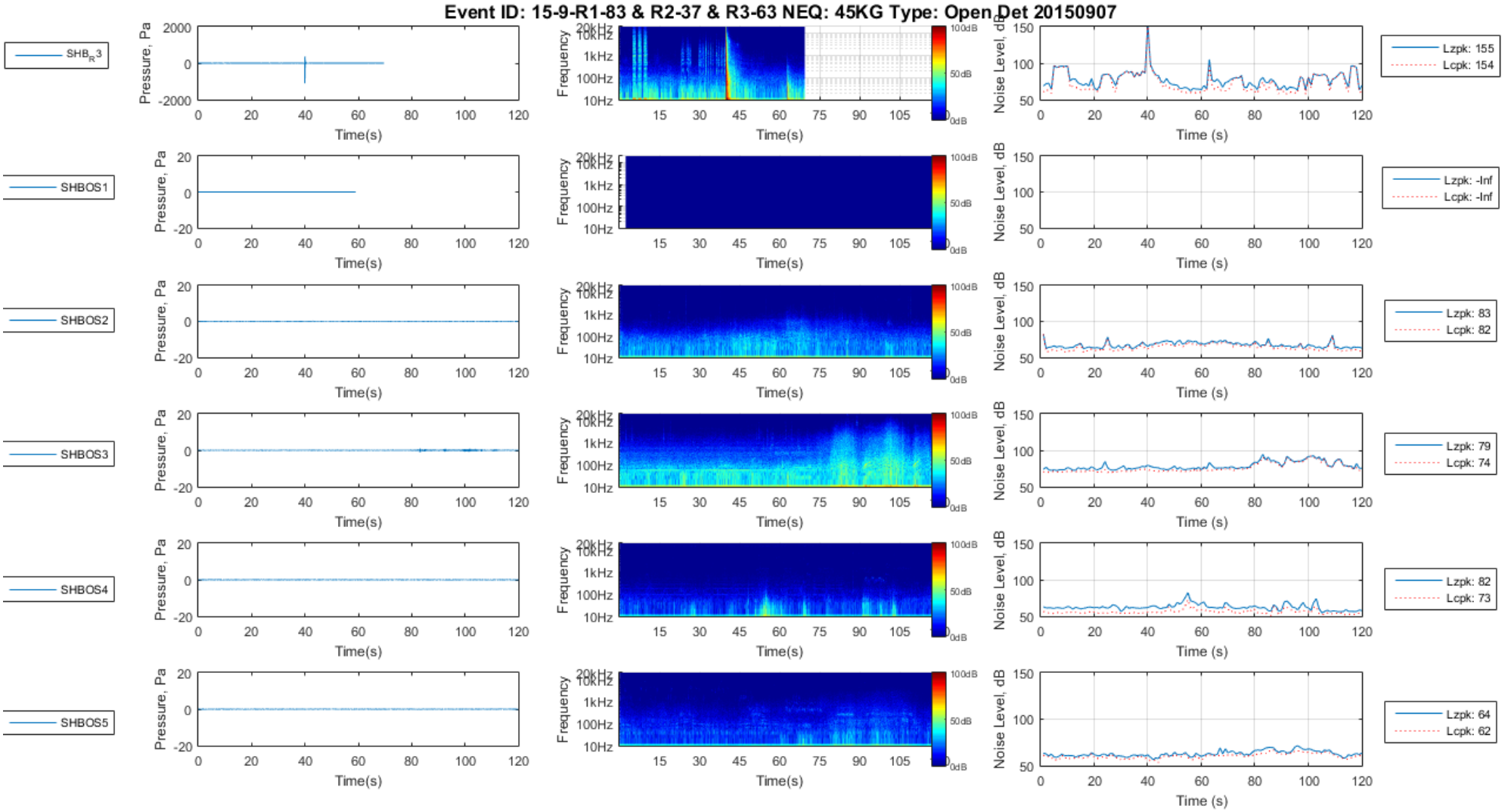


FIGURE 2.916: SHB_OS 1 - 5 15-9-R1-83 & R2-37 & R3-63

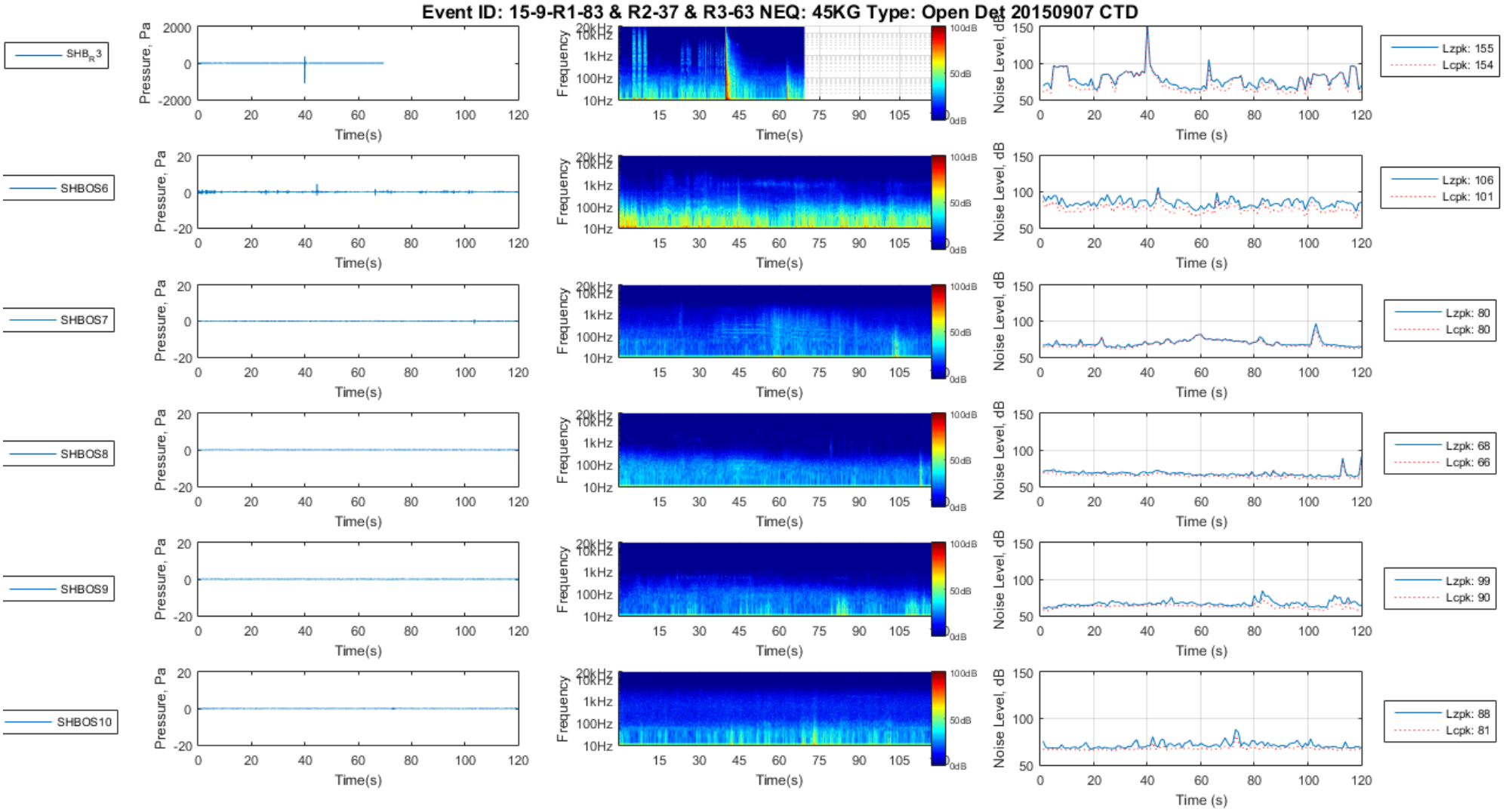


FIGURE 2.917: SHB_OS 6 - 10 15-9-R1-83 & R2-37 & R3-63

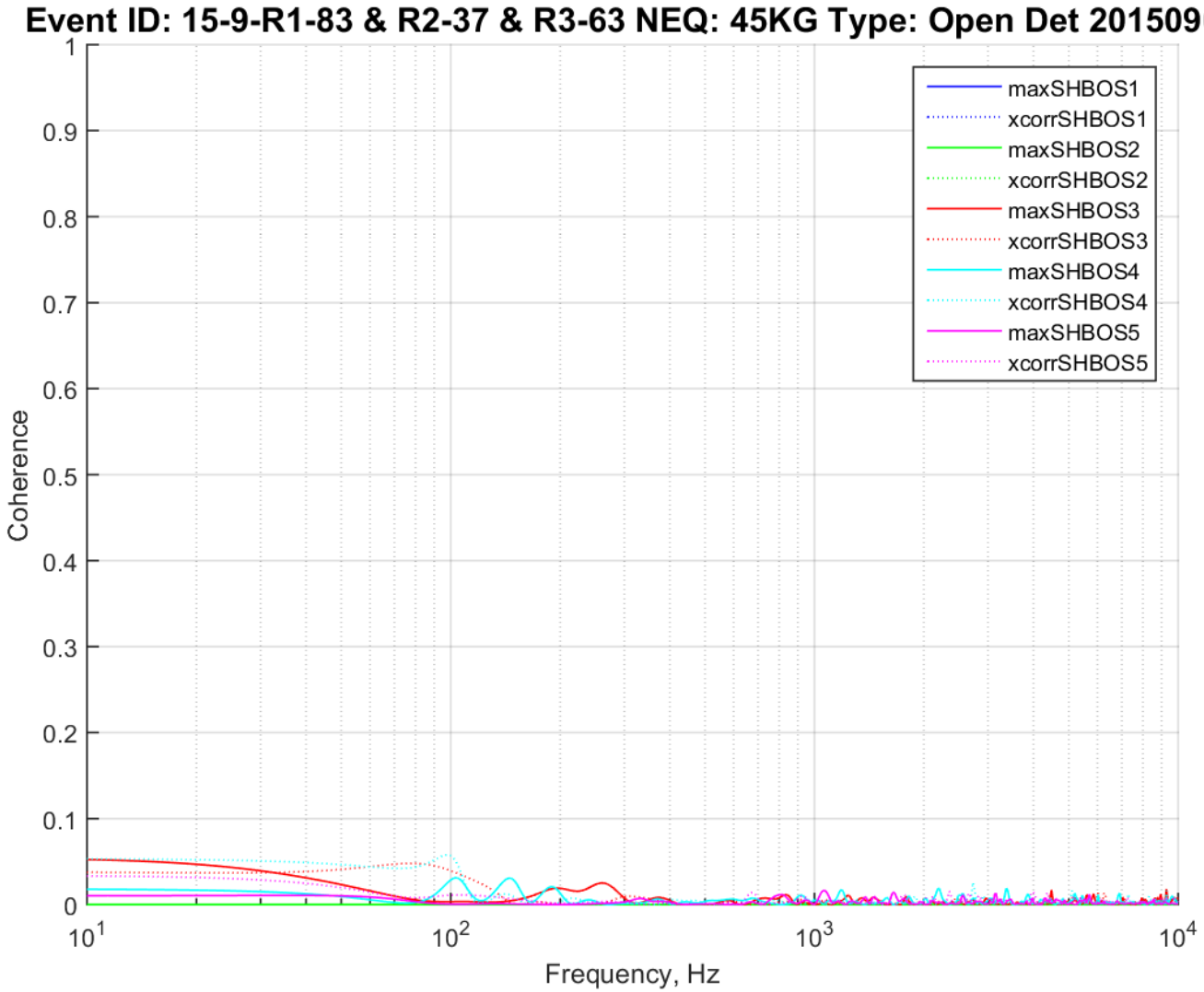


FIGURE 2.918: COHERENCE SHB_OS 1 - 5 15-9-R1-83 & R2-37 & R3-63

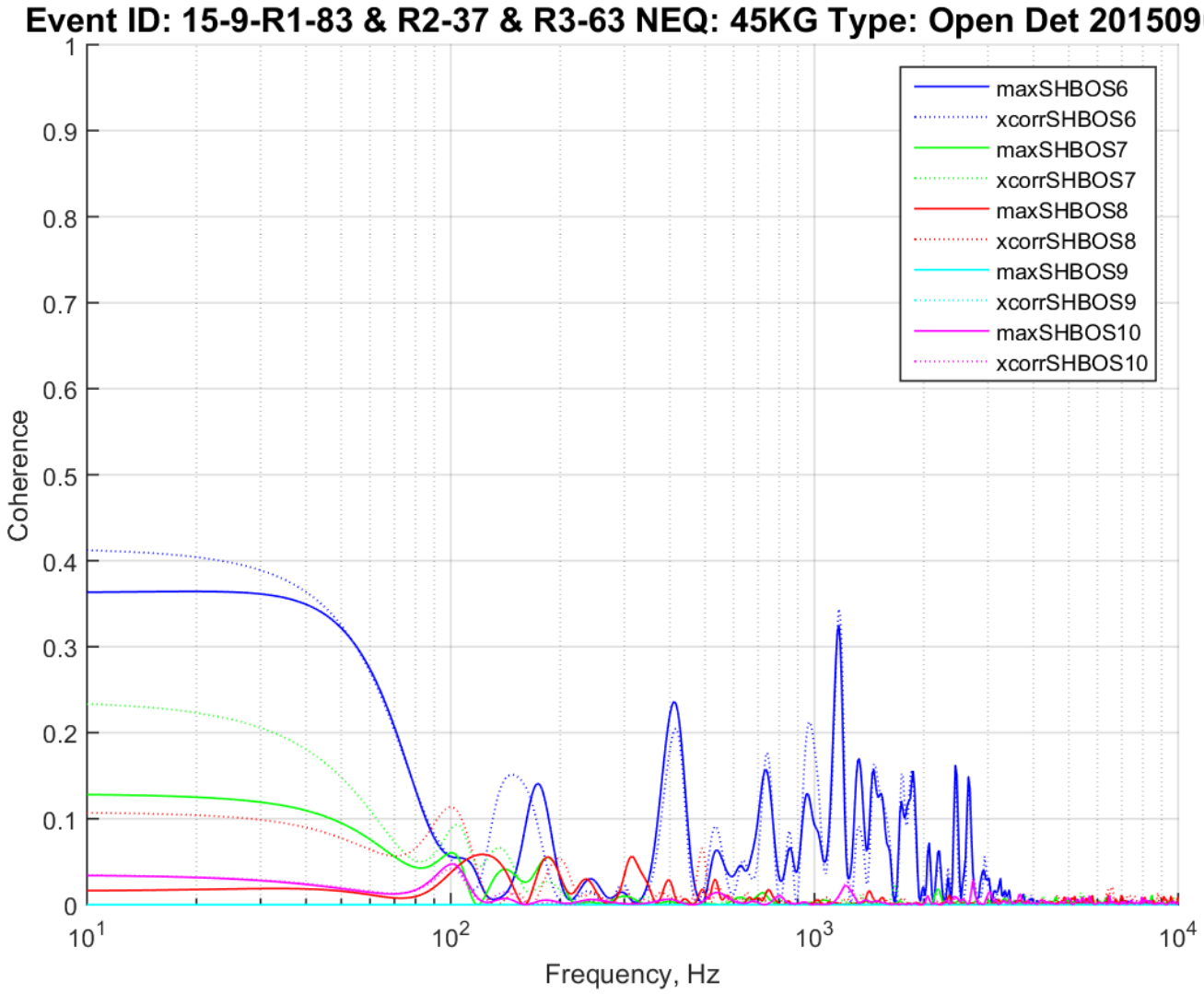


FIGURE 2.919: COHERENCE SHB_OS 6 - 10 15-9-R1-83 & R2-37 & R3-63CTD

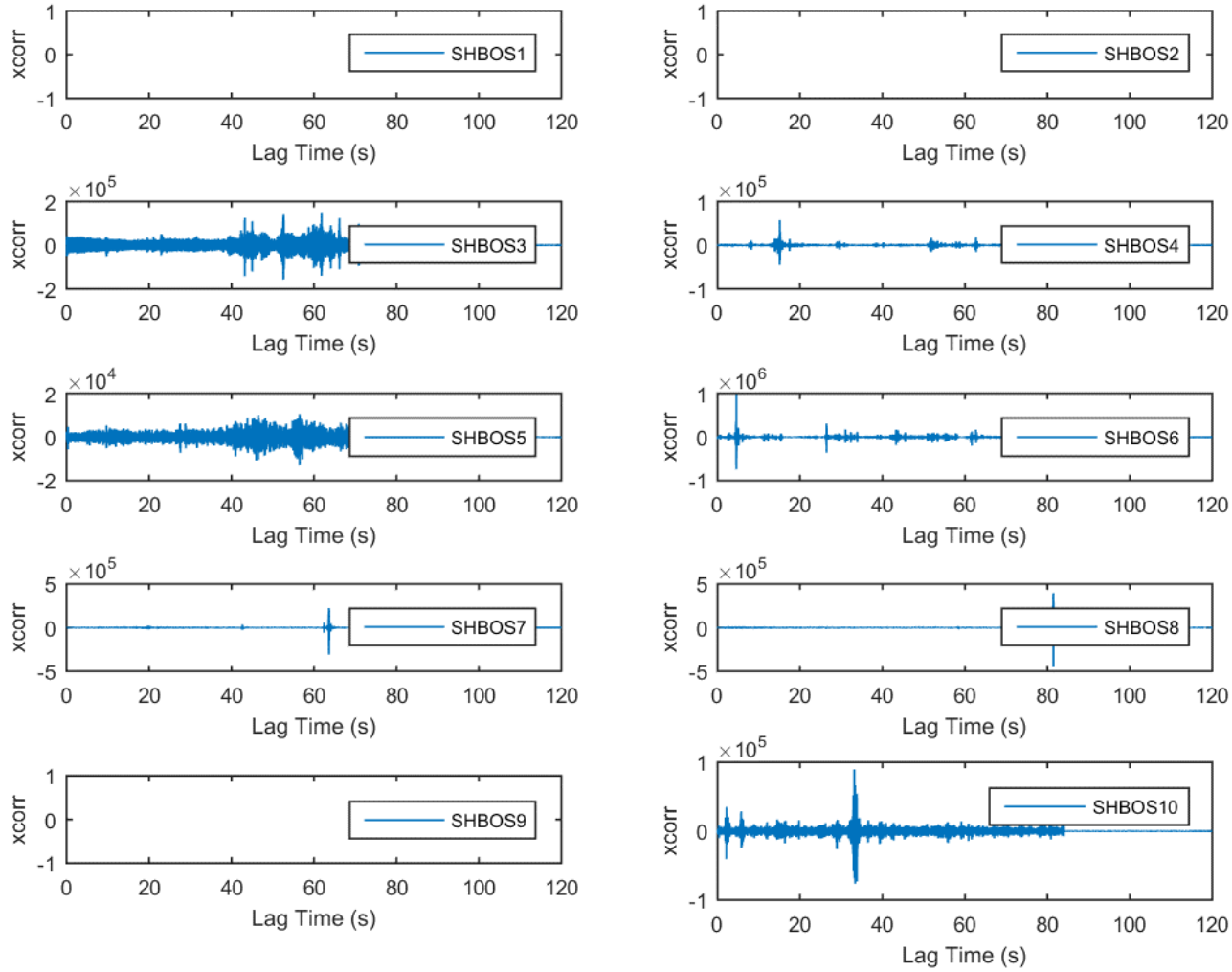


FIGURE 2.920: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-83 & R2-37 & R3-63

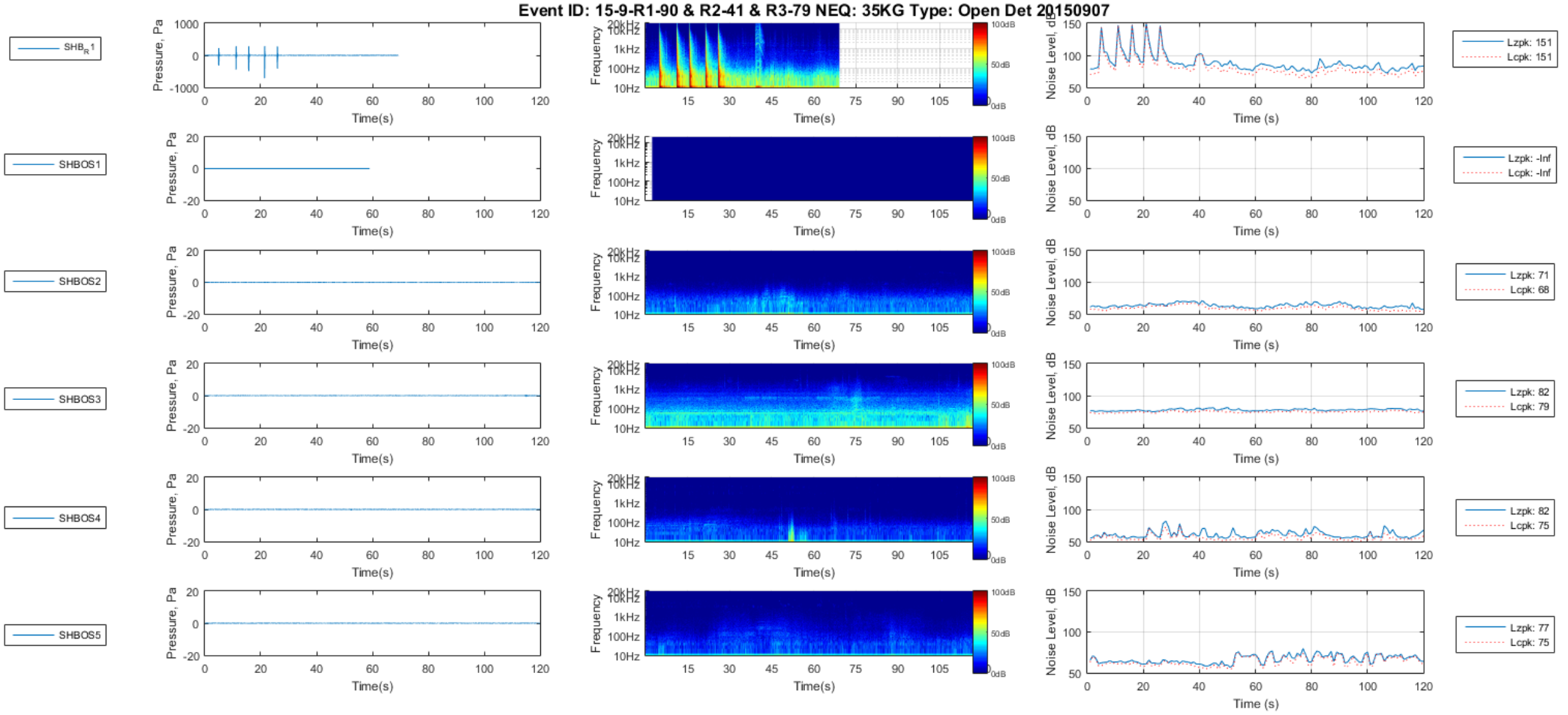


FIGURE 2.921: SHB_OS 1 - 5 15-9-R1-90 & R2-41 & R3-79

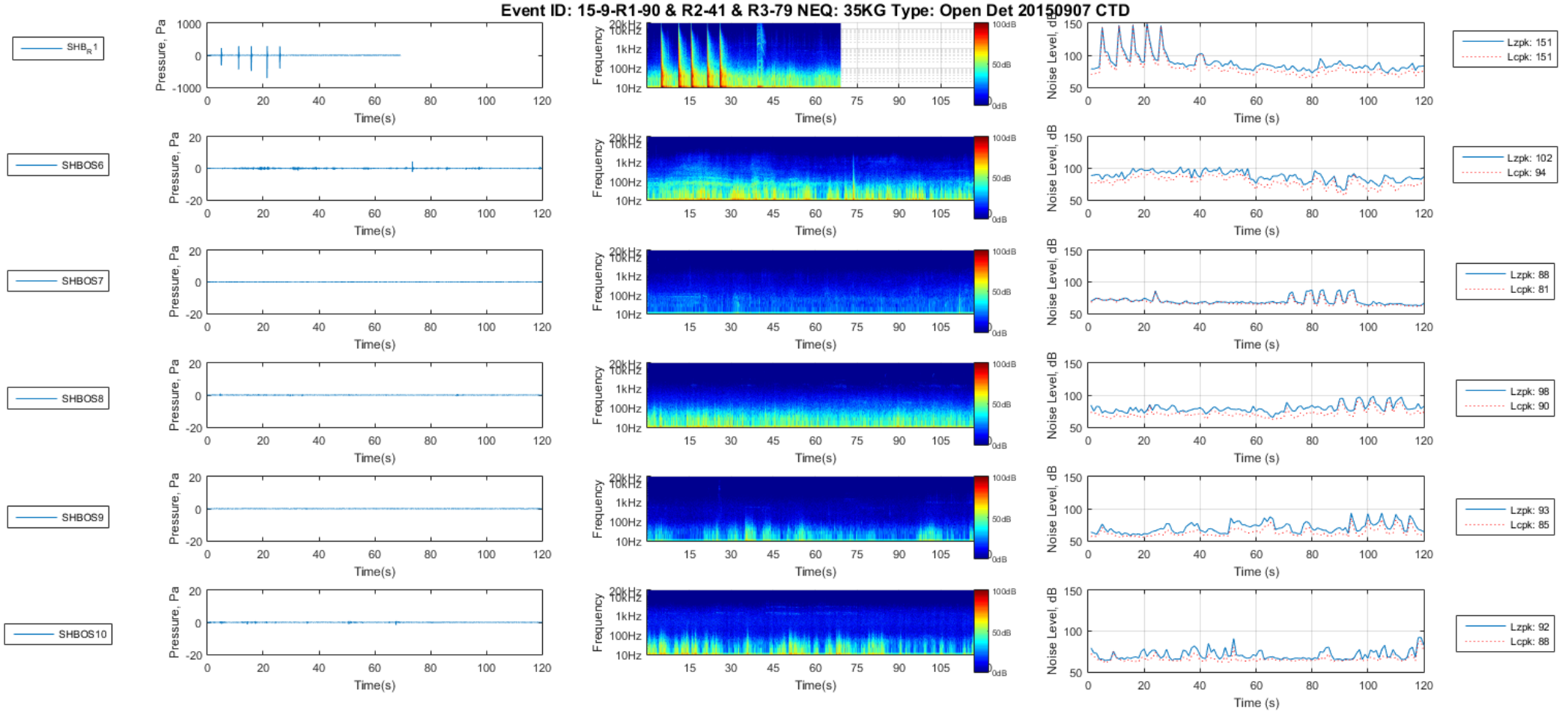


FIGURE 2.922: SHB_OS 6 - 10 15-9-R1-90 & R2-41 & R3-79

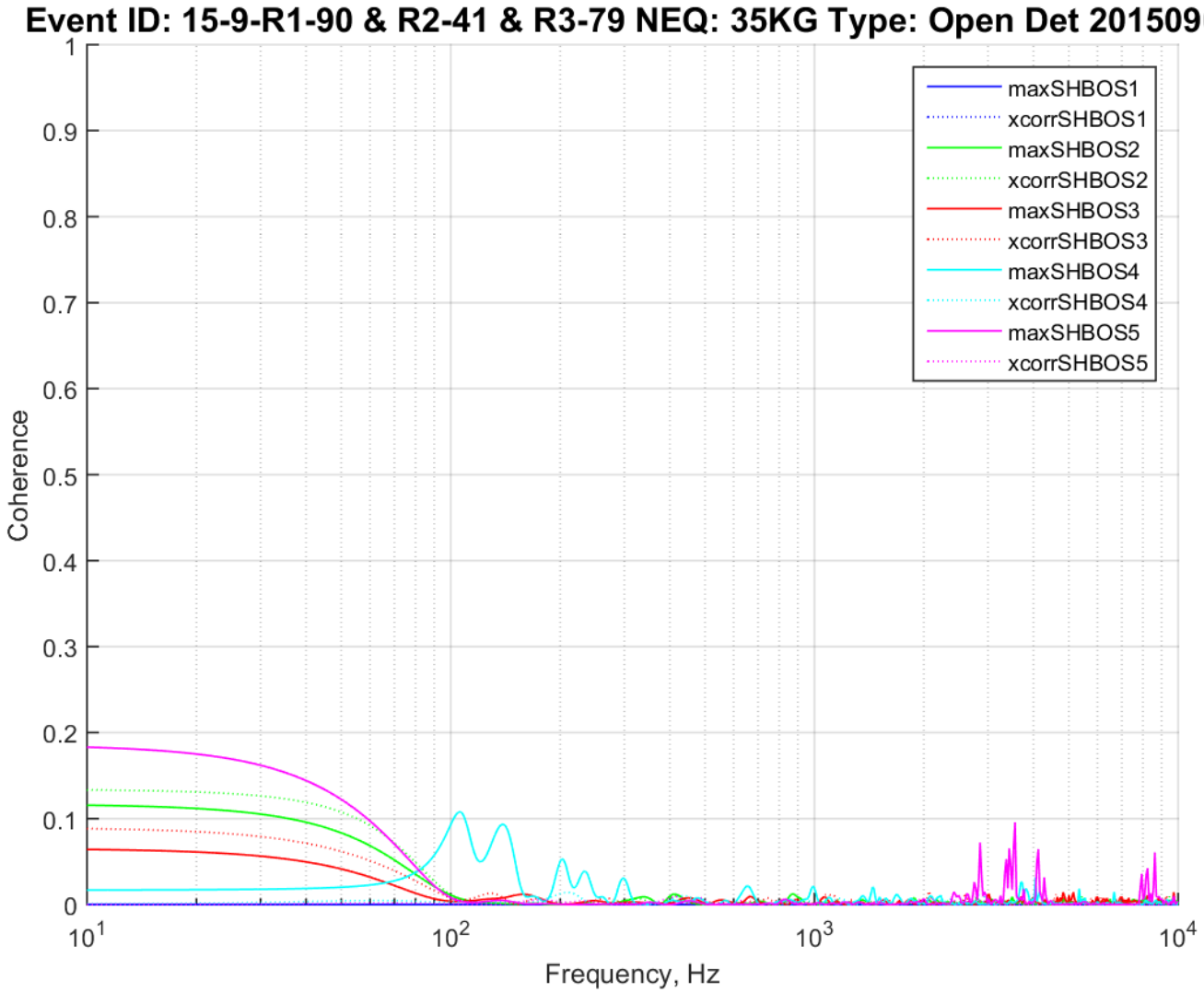


FIGURE 2.923: COHERENCE SHB_OS 1 - 5 15-9-R1-90 & R2-41 & R3-79

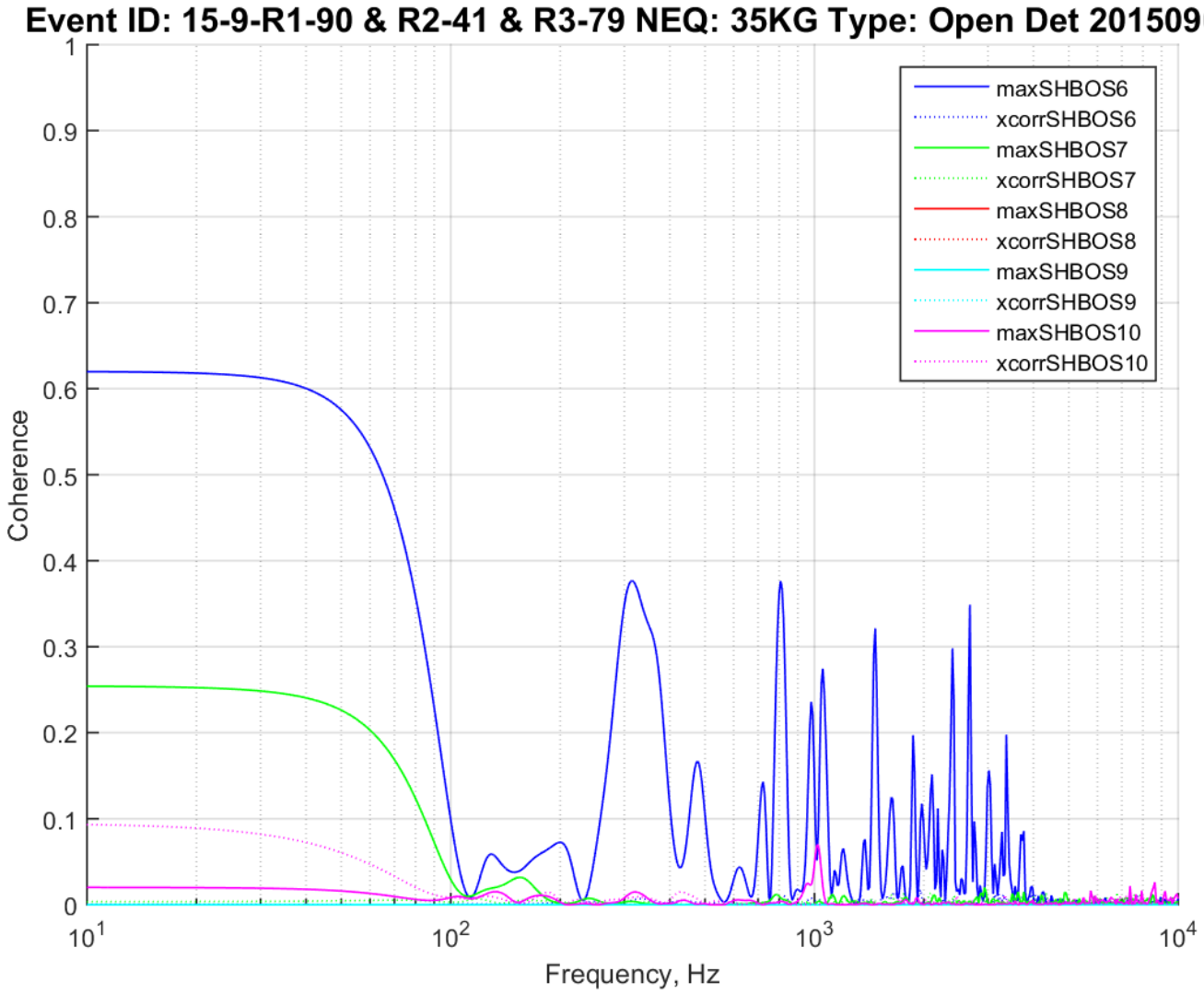


FIGURE 2.924: COHERENCE SHB_OS 6 - 10 15-9-R1-90 & R2-41 & R3-79CTD

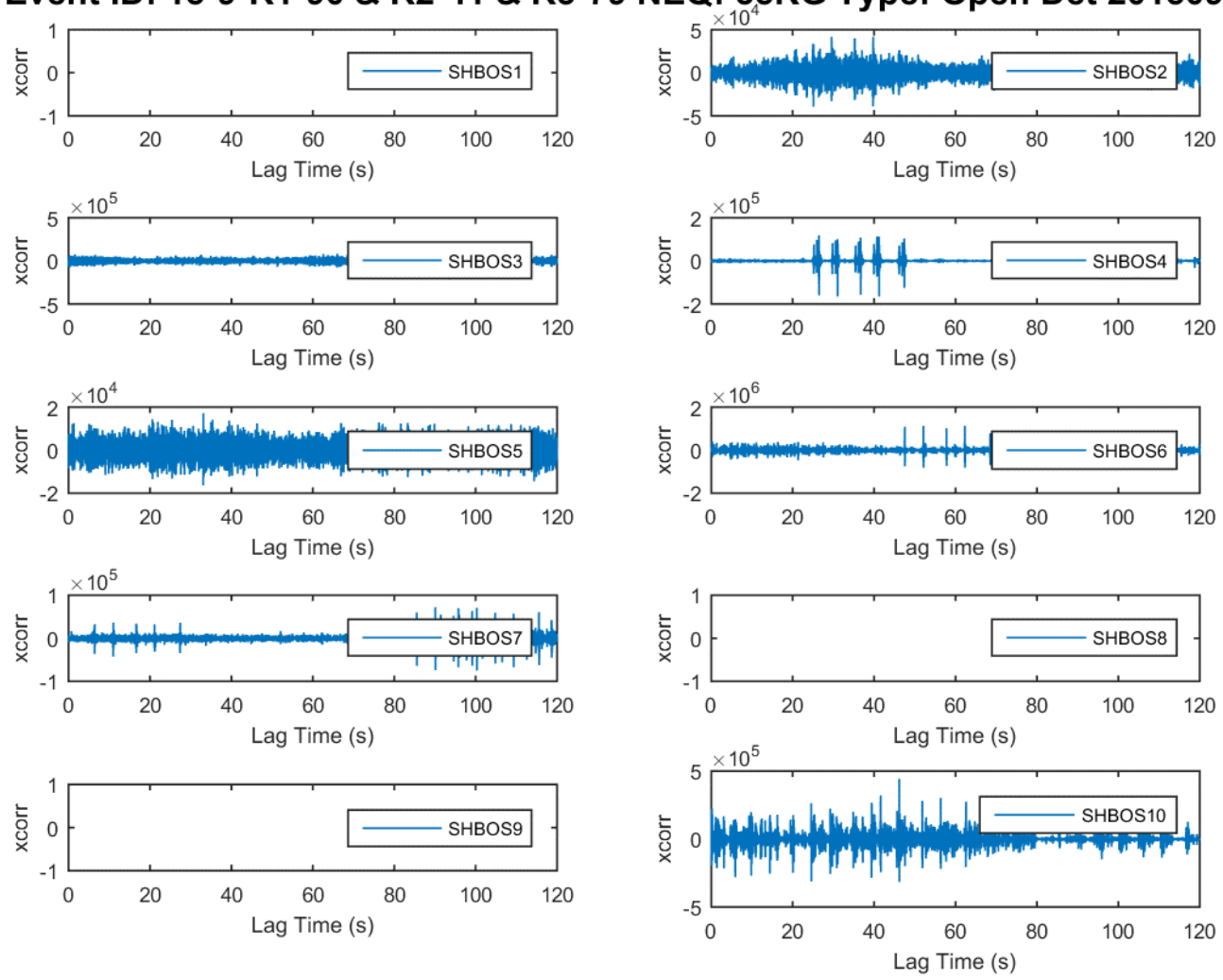


FIGURE 2.925: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-90 & R2-41 & R3-79

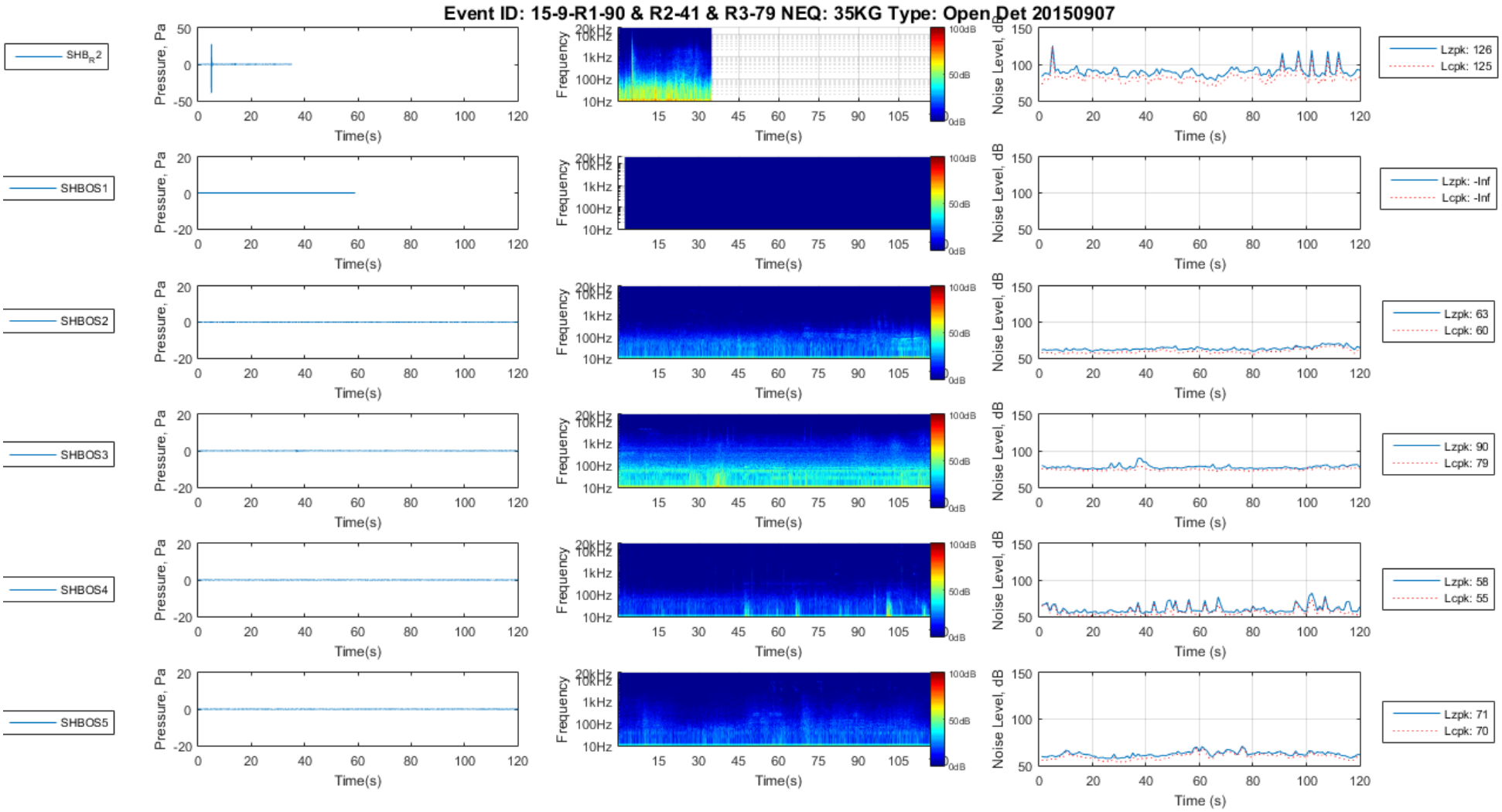


FIGURE 2.926: SHB_OS 1 - 5 15-9-R1-90 & R2-41 & R3-79

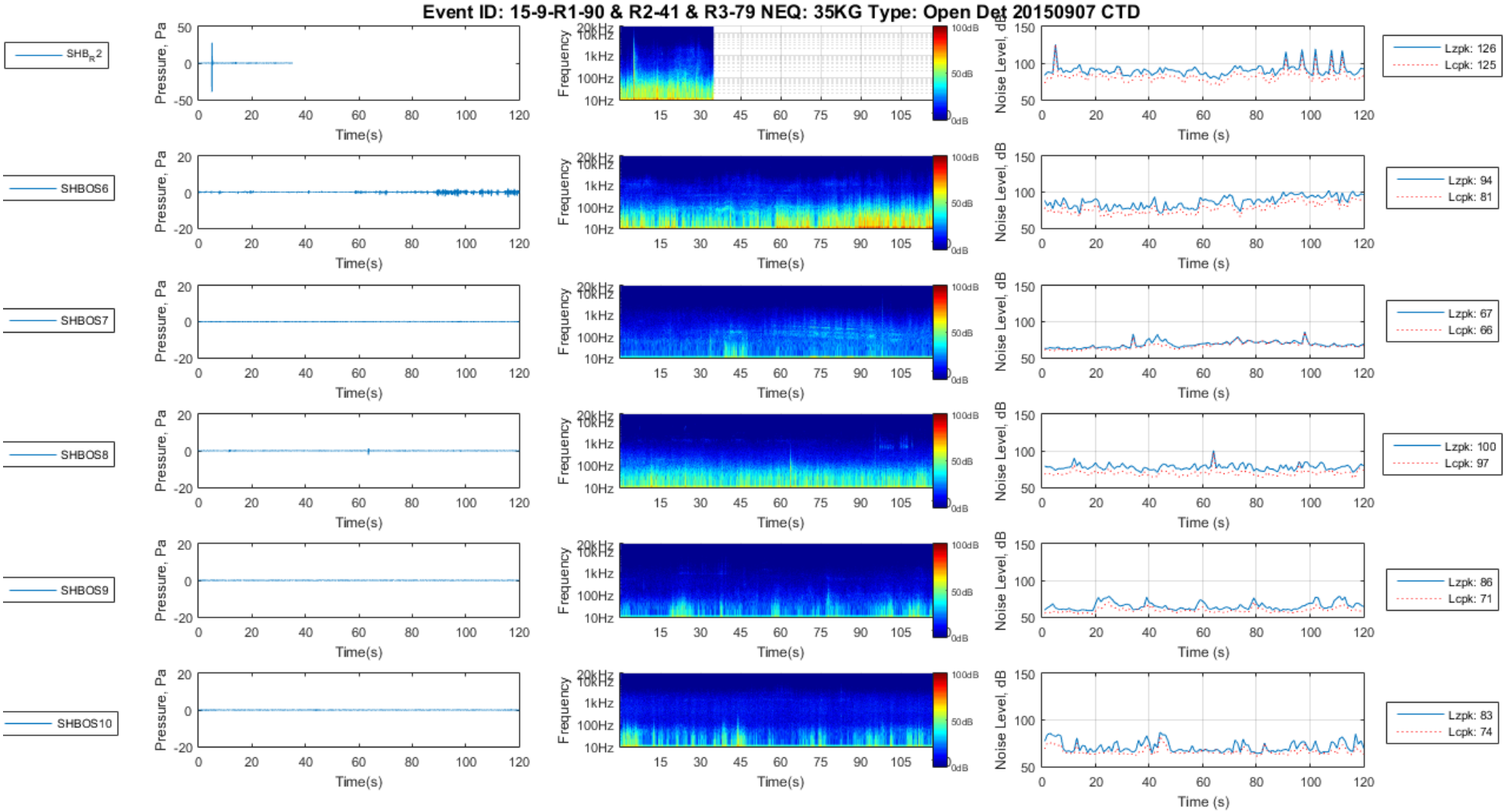


FIGURE 2.927: SHB_OS 6 - 10 15-9-R1-90 & R2-41 & R3-79

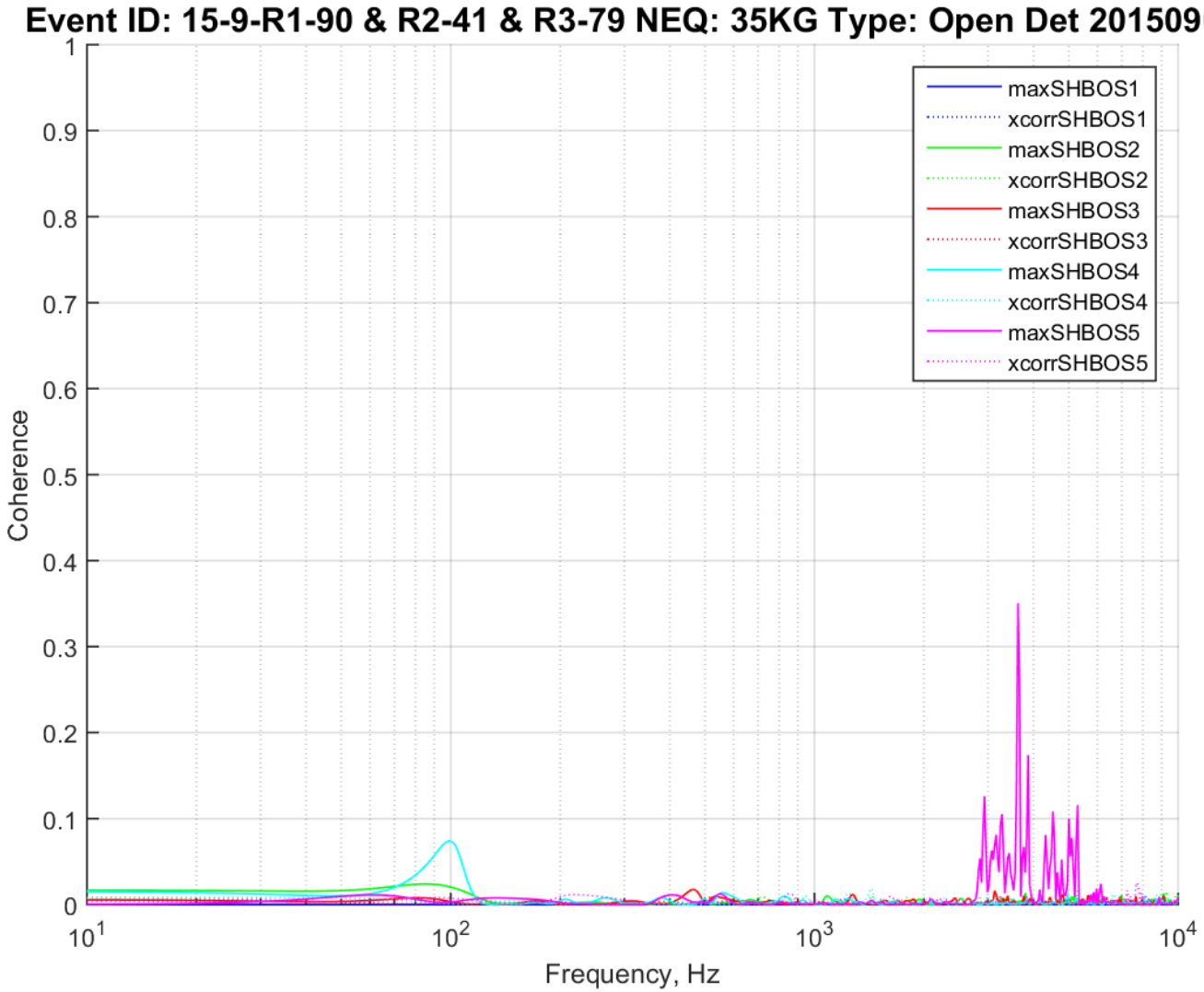


FIGURE 2.928: COHERENCE SHB_OS 1 - 5 15-9-R1-90 & R2-41 & R3-79

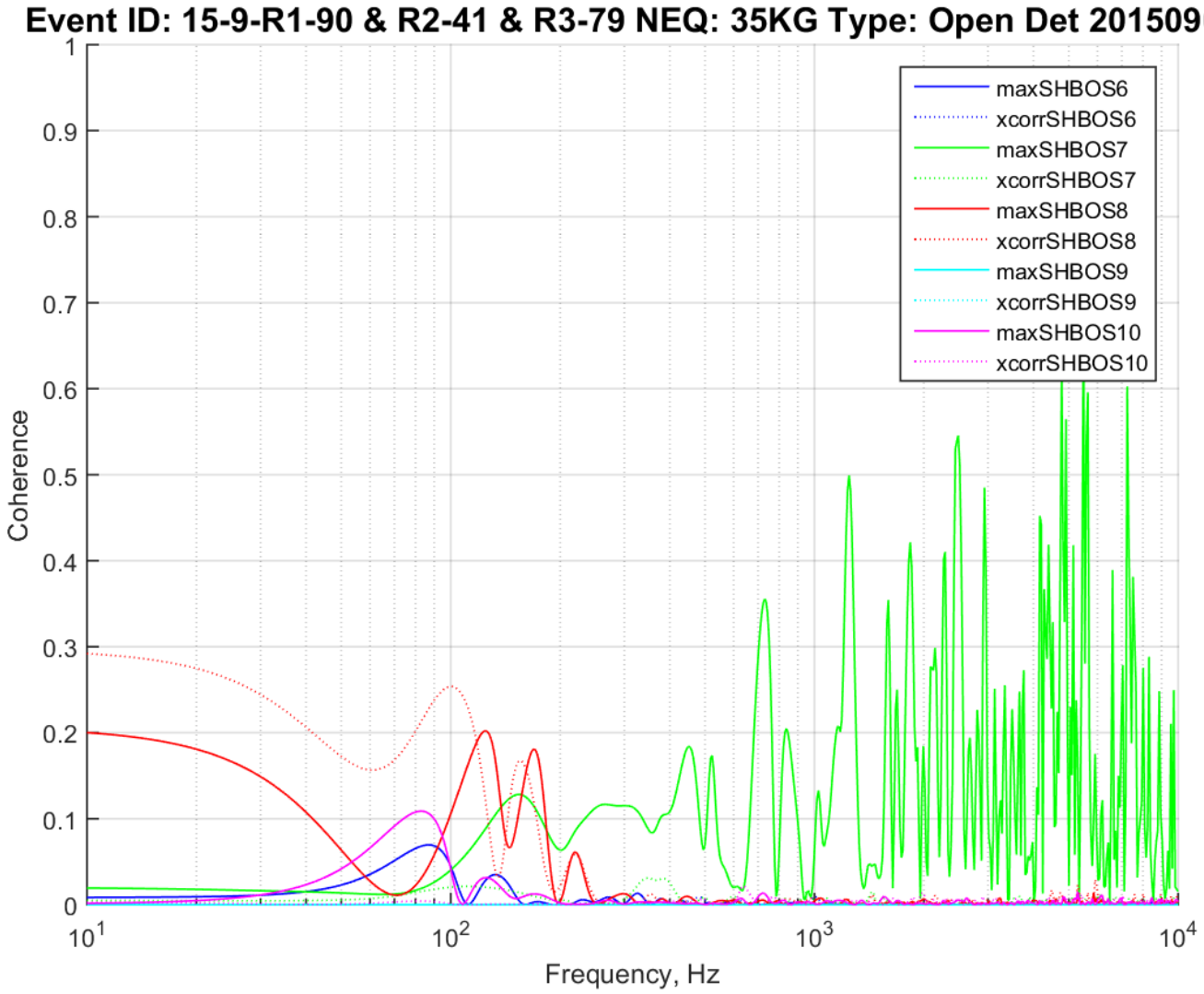


FIGURE 2.929: COHERENCE SHB_OS 6 - 10 15-9-R1-90 & R2-41 & R3-79CTD

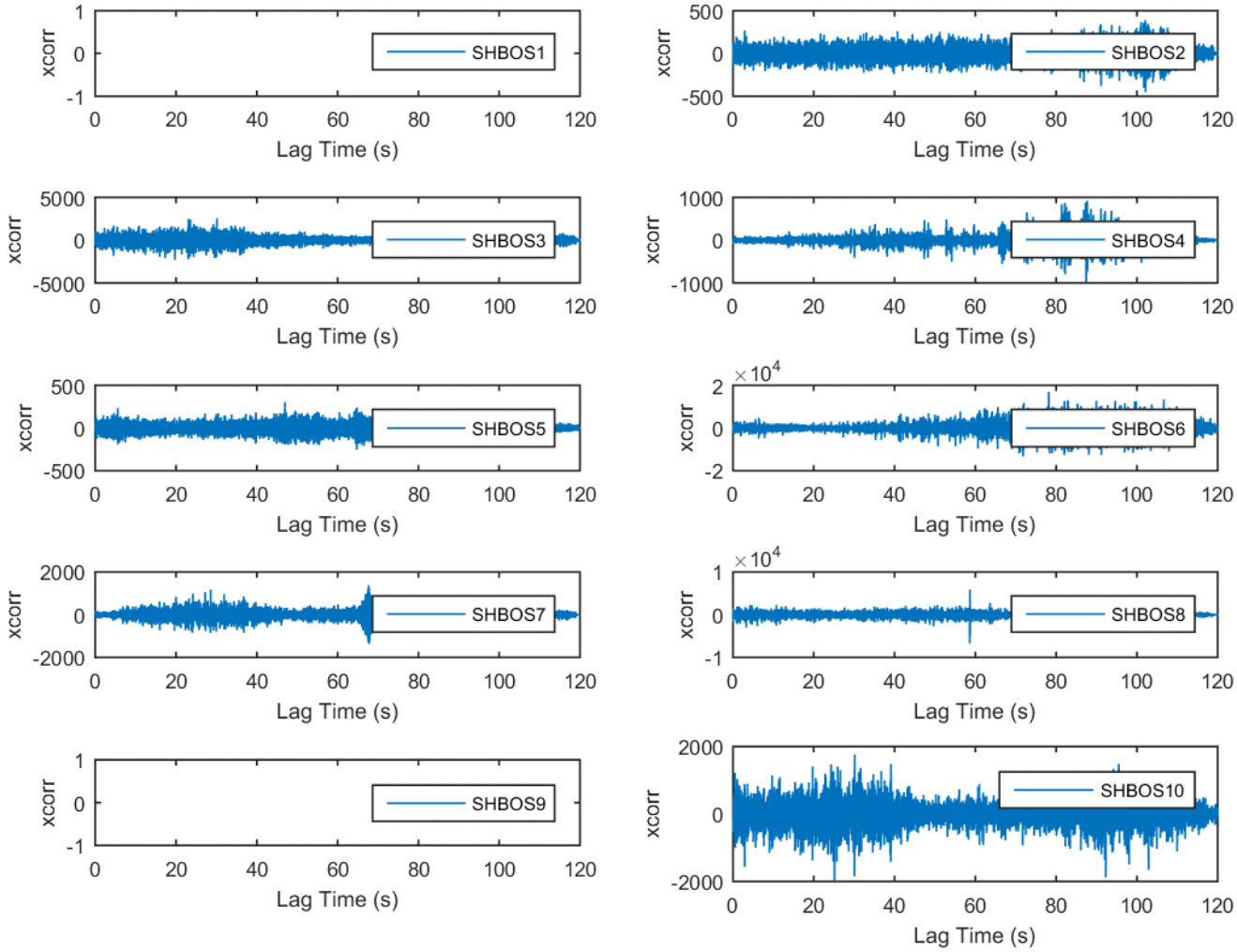


FIGURE 2.930: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-90 & R2-41 & R3-79

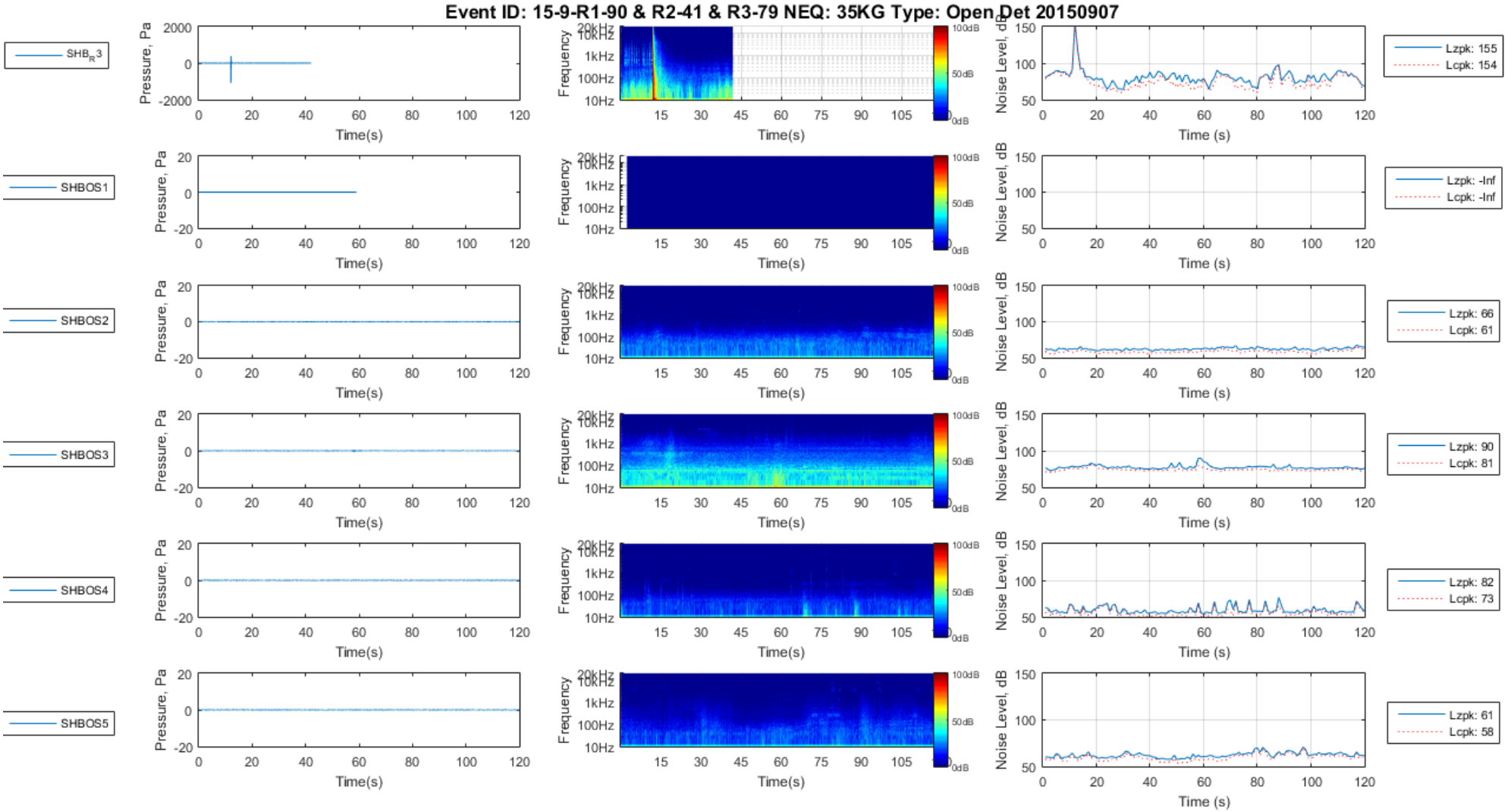


FIGURE 2.931: SHB_OS 1 - 5 15-9-R1-90 & R2-41 & R3-79

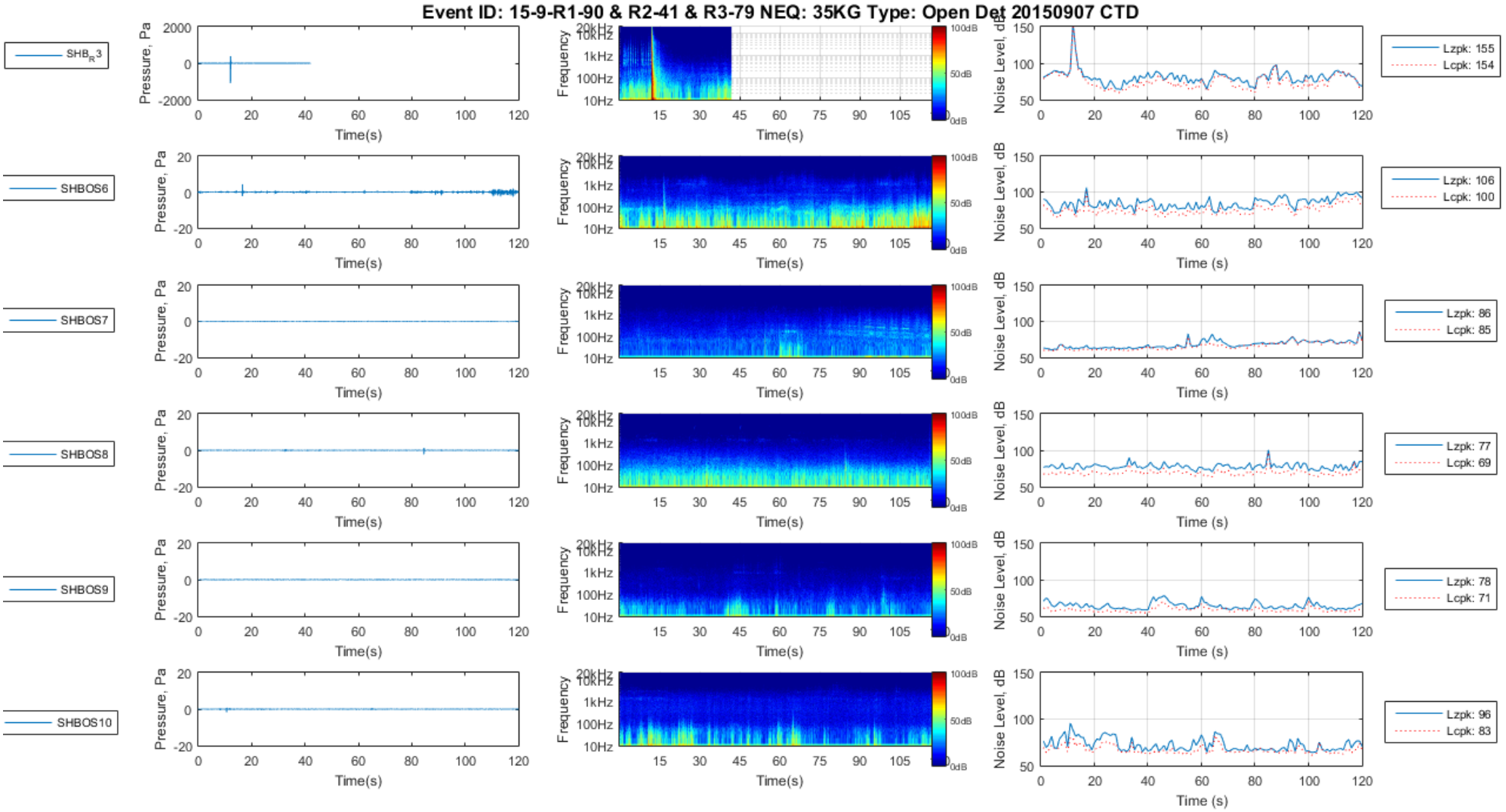


FIGURE 2.932: SHB_OS 6 - 10 15-9-R1-90 & R2-41 & R3-79

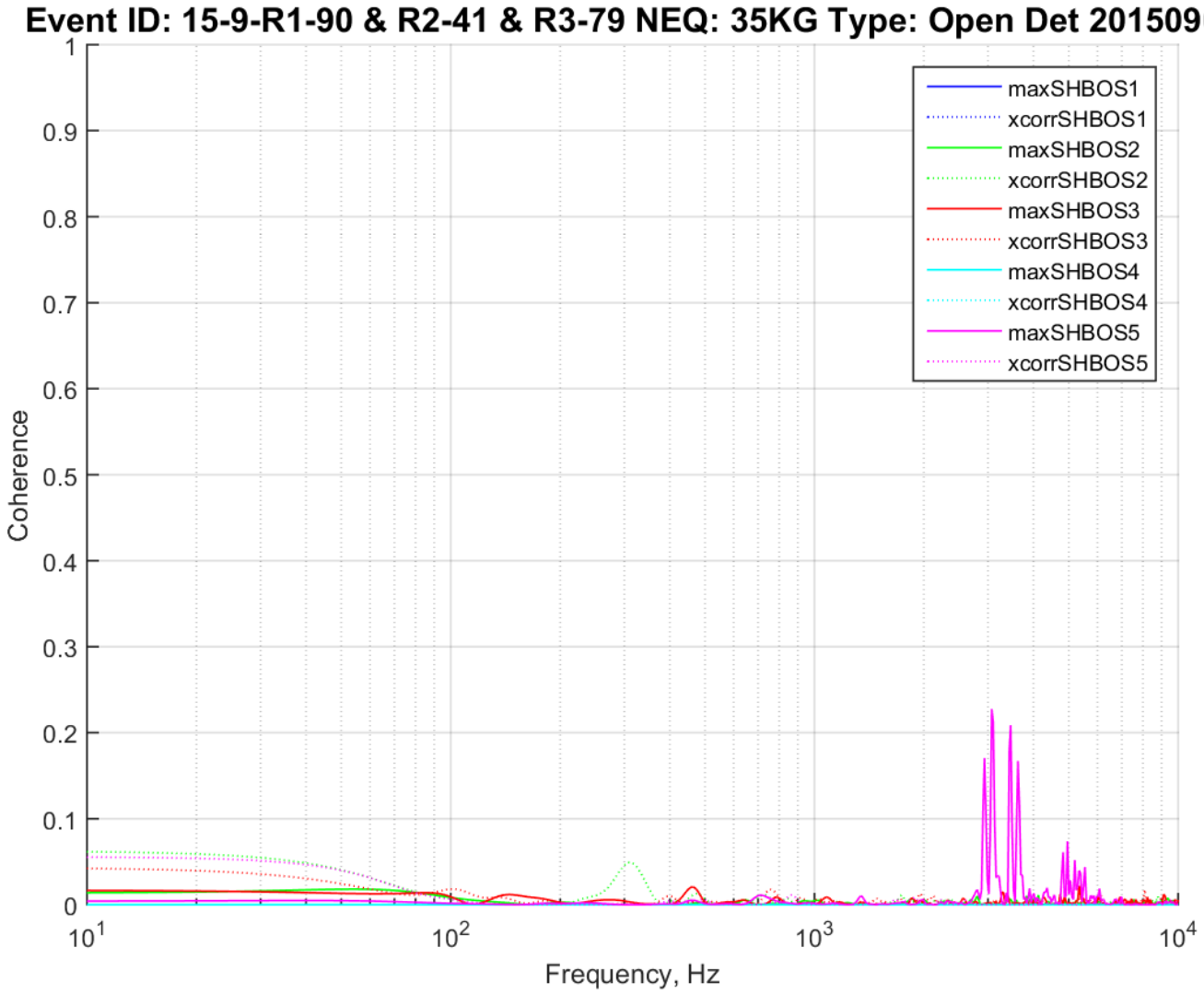


FIGURE 2.933: COHERENCE SHB_OS 1 - 5 15-9-R1-90 & R2-41 & R3-79

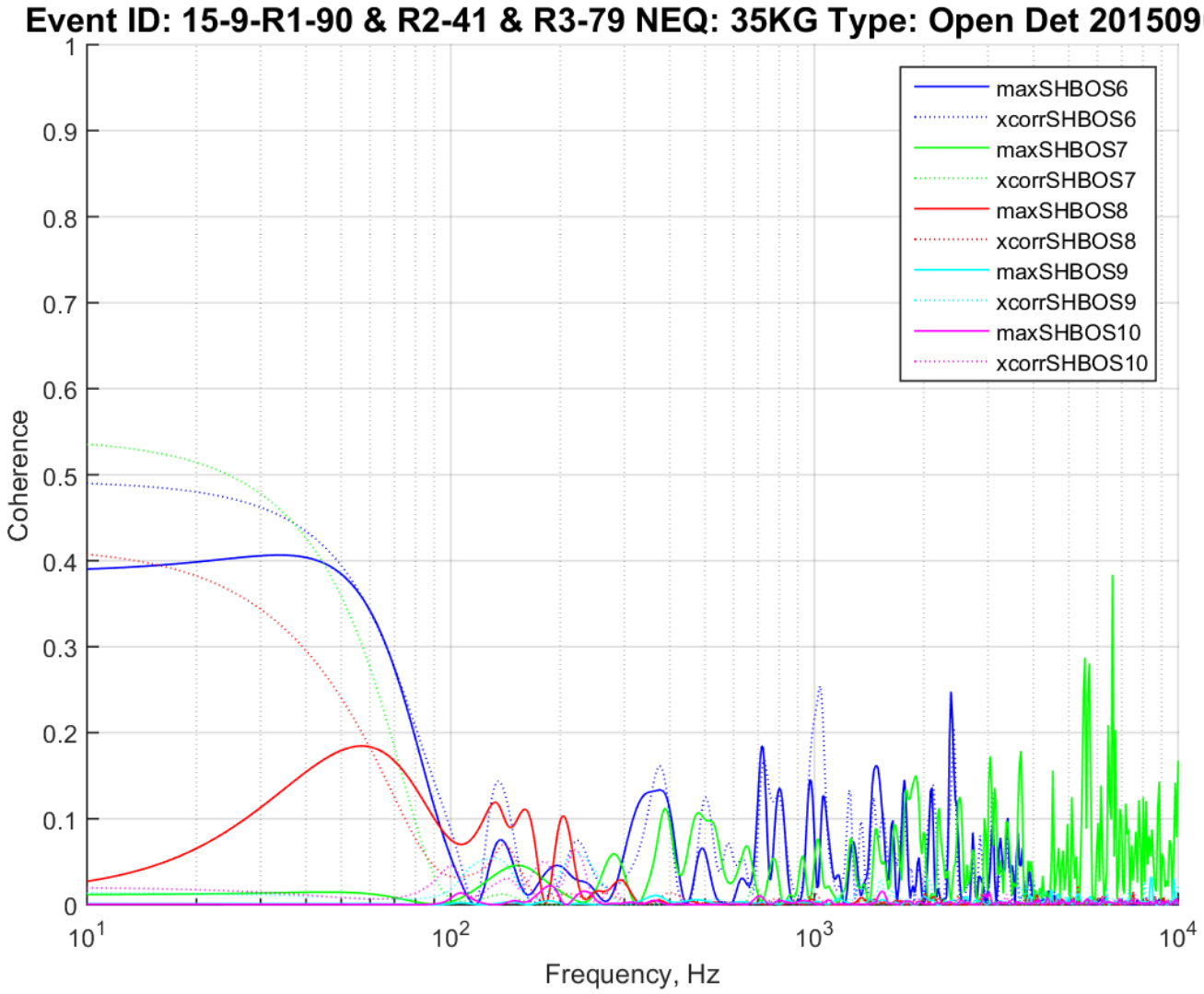


FIGURE 2.934: COHERENCE SHB_OS 6 - 10 15-9-R1-90 & R2-41 & R3-79CTD

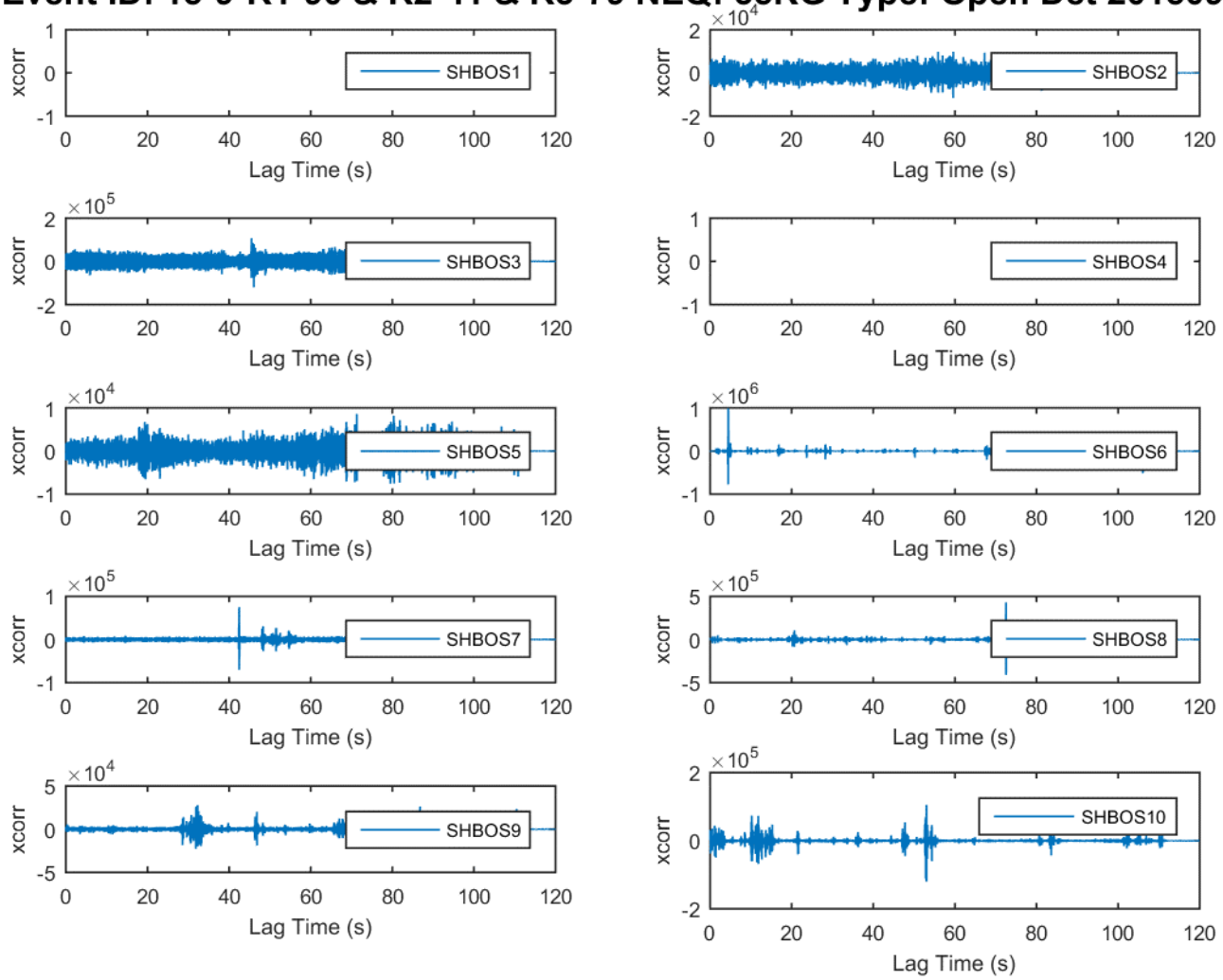


FIGURE 2.935: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-90 & R2-41 & R3-79

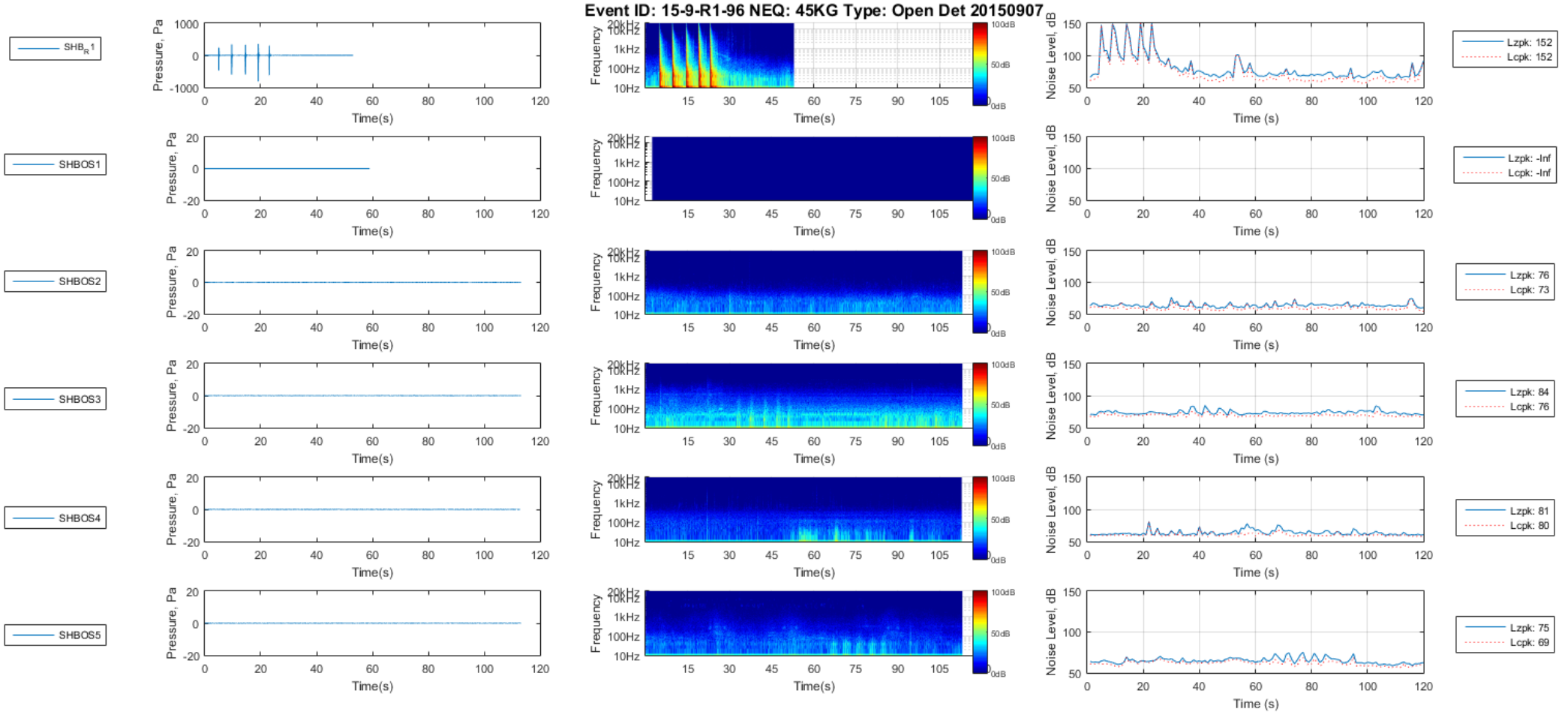


FIGURE 2.936: SHB_OS 1 - 5 15-9-R1-96

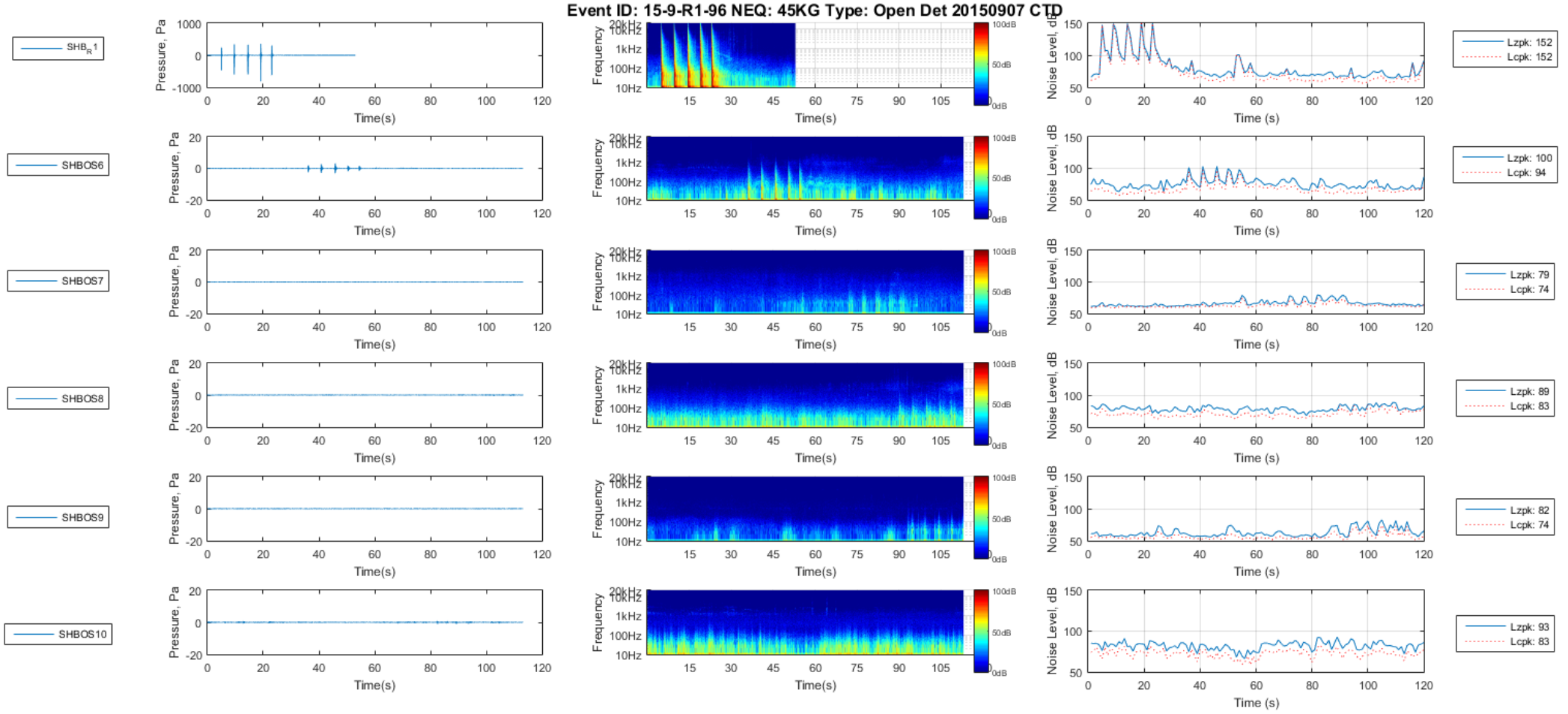


FIGURE 2.937: SHB_OS 6 - 10 15-9-R1-96

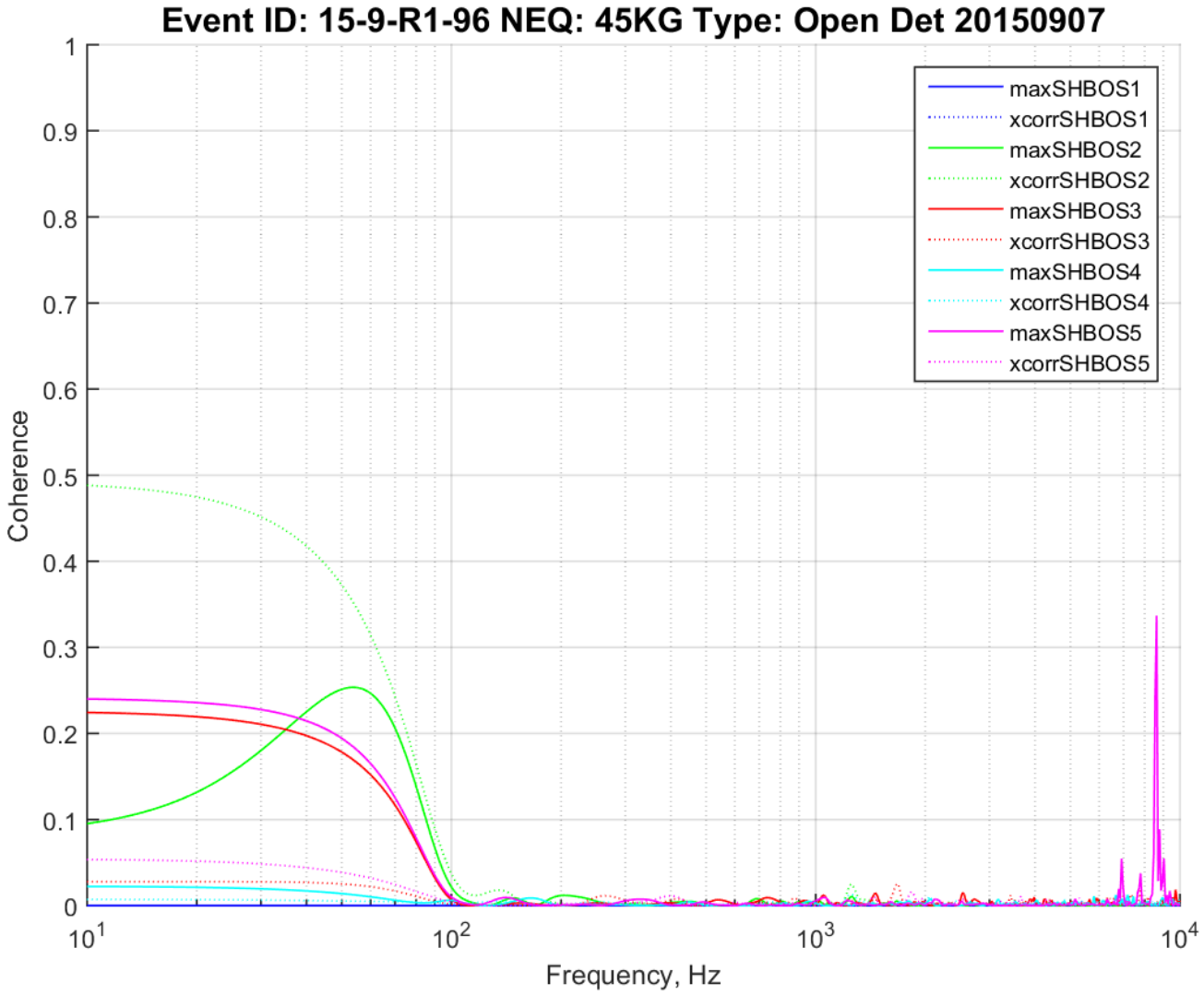


FIGURE 2.938: COHERENCE SHB_OS 1 - 5 15-9-R1-96

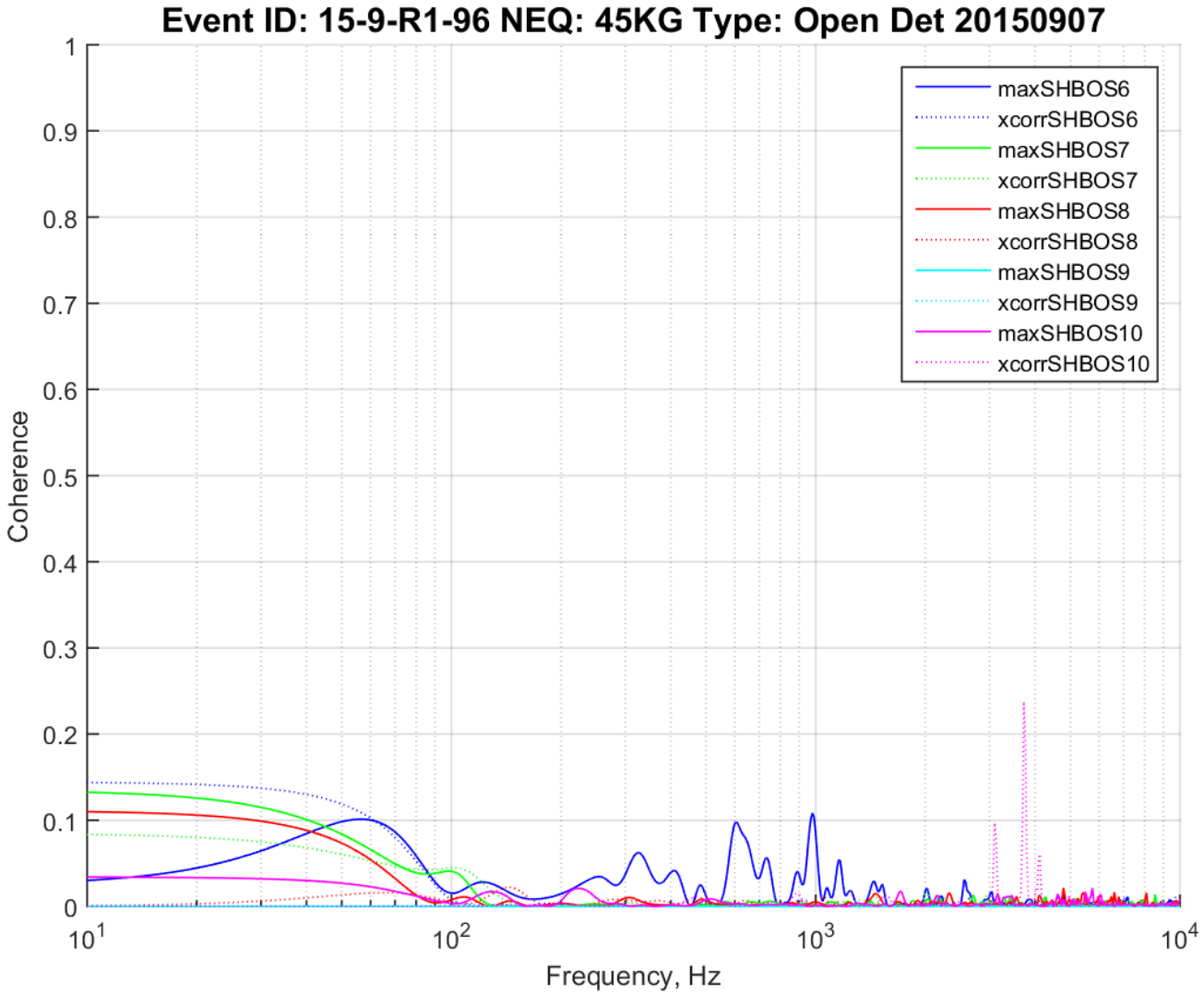


FIGURE 2.939: COHERENCE SHB_OS 6 - 10 15-9-R1-96CTD

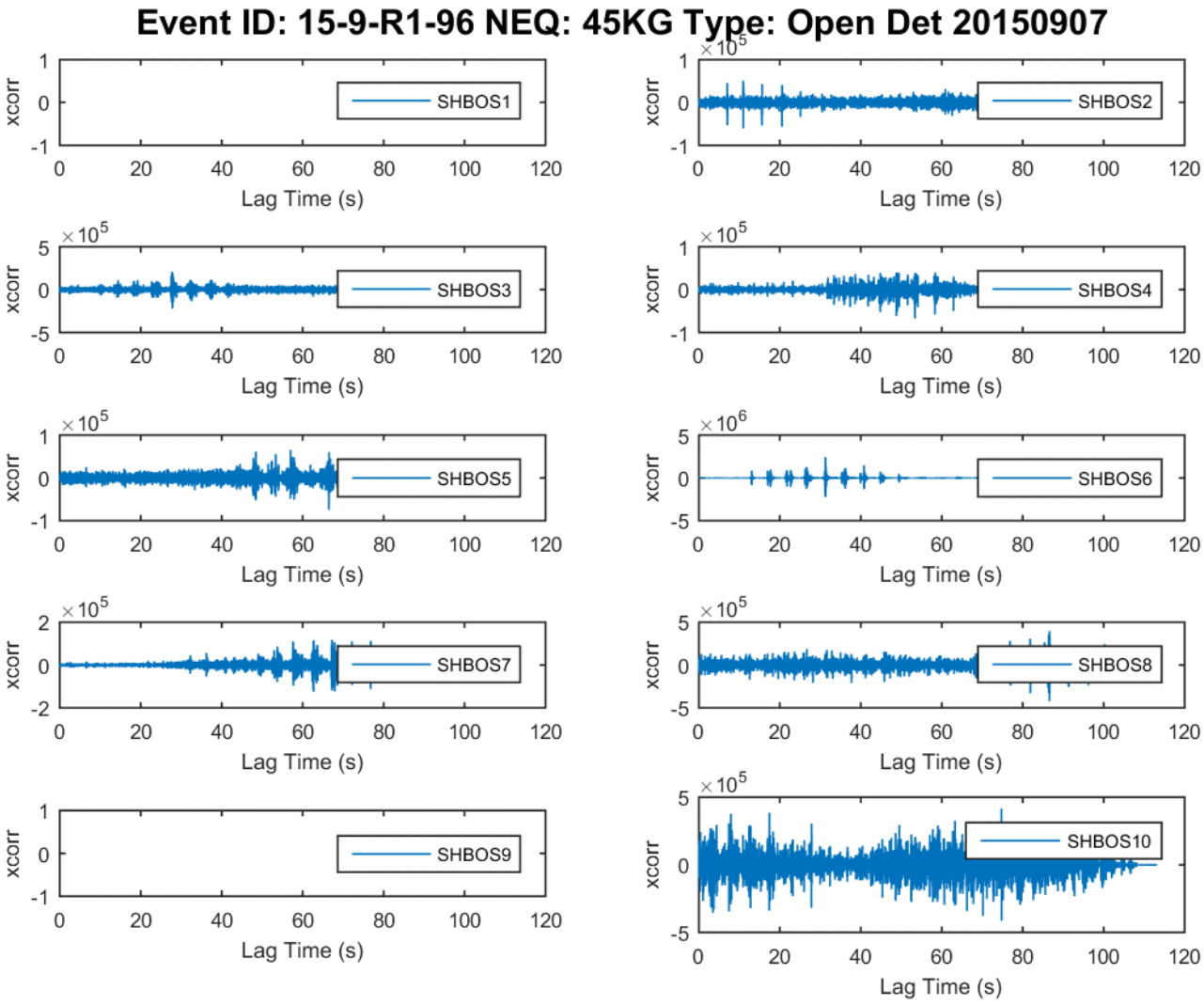


FIGURE 2.940: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-96

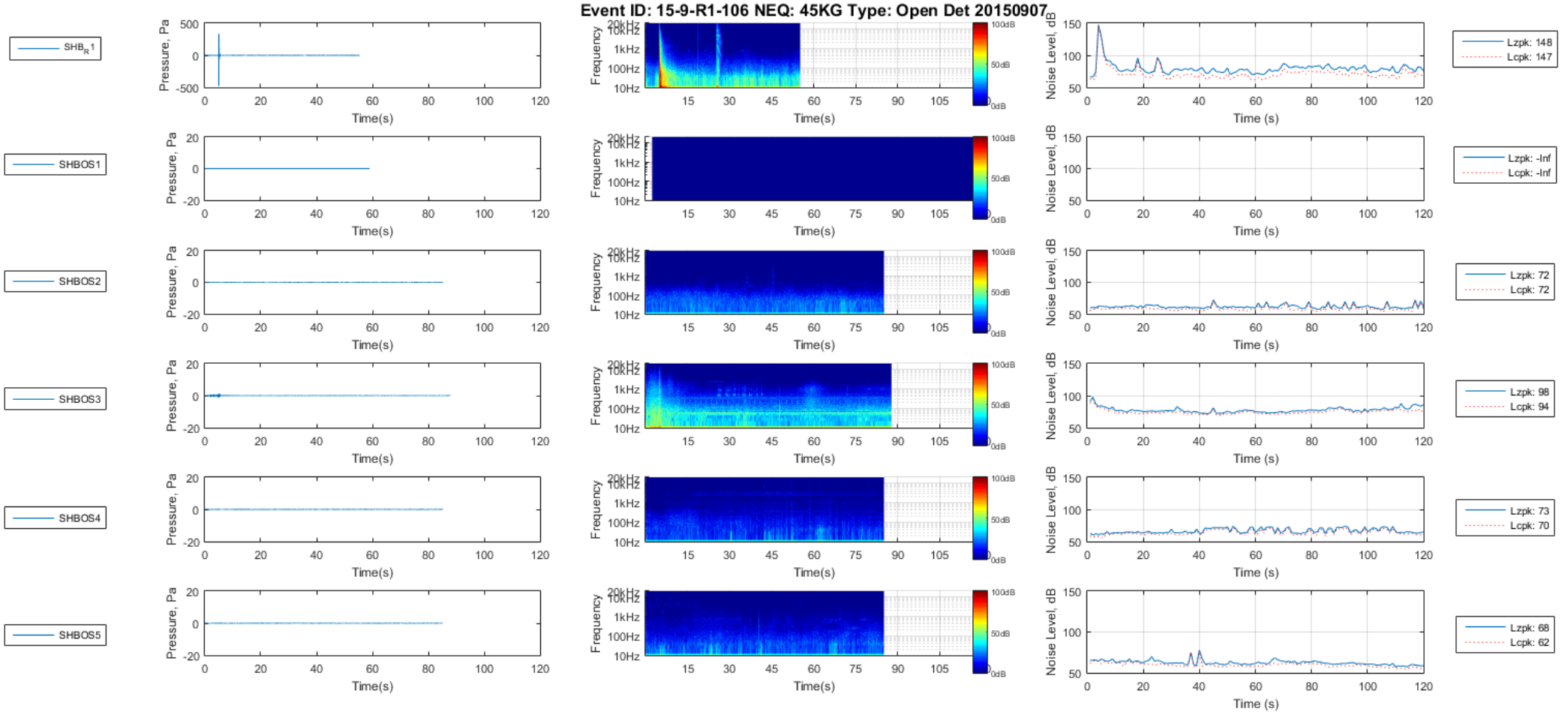


FIGURE 2.941: SHB_OS 1 - 5 15-9-R1-106

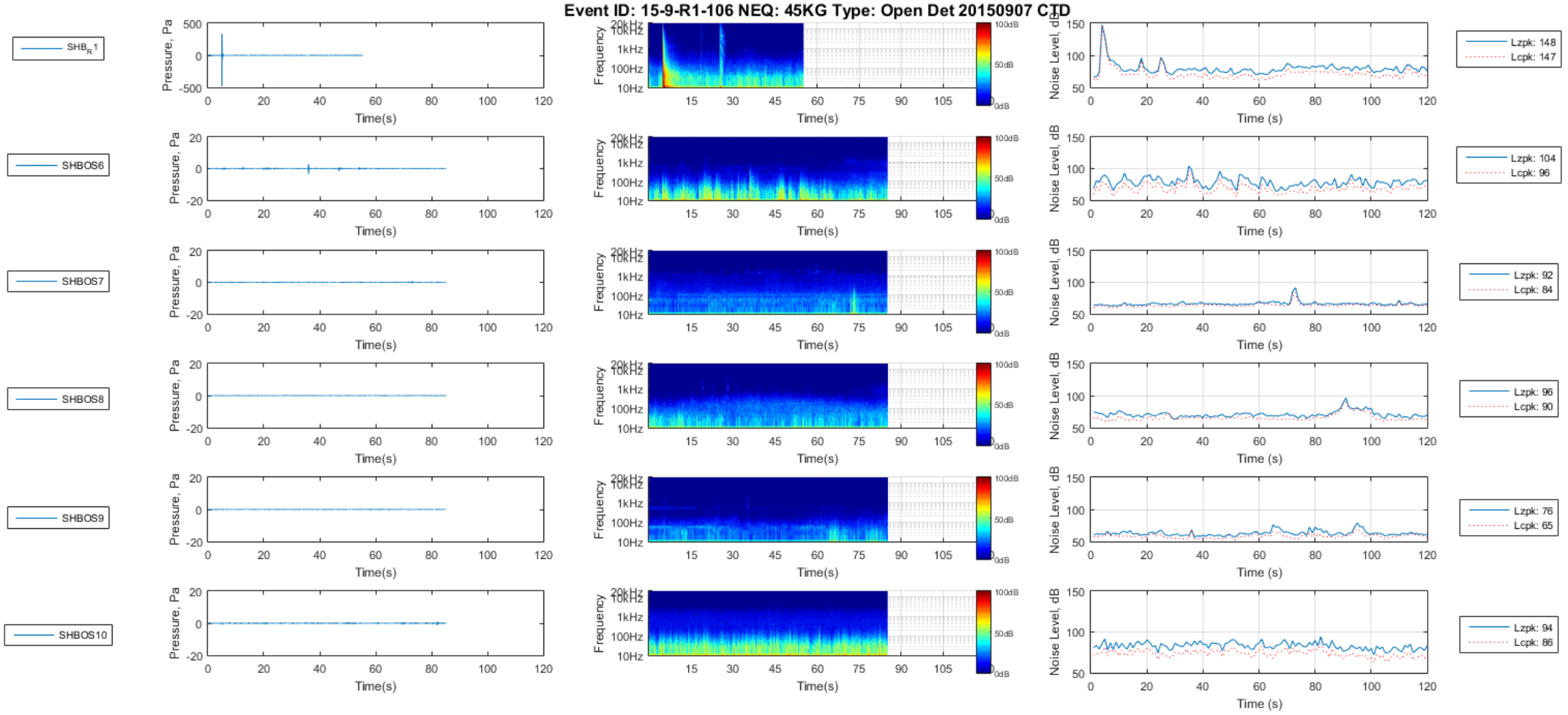


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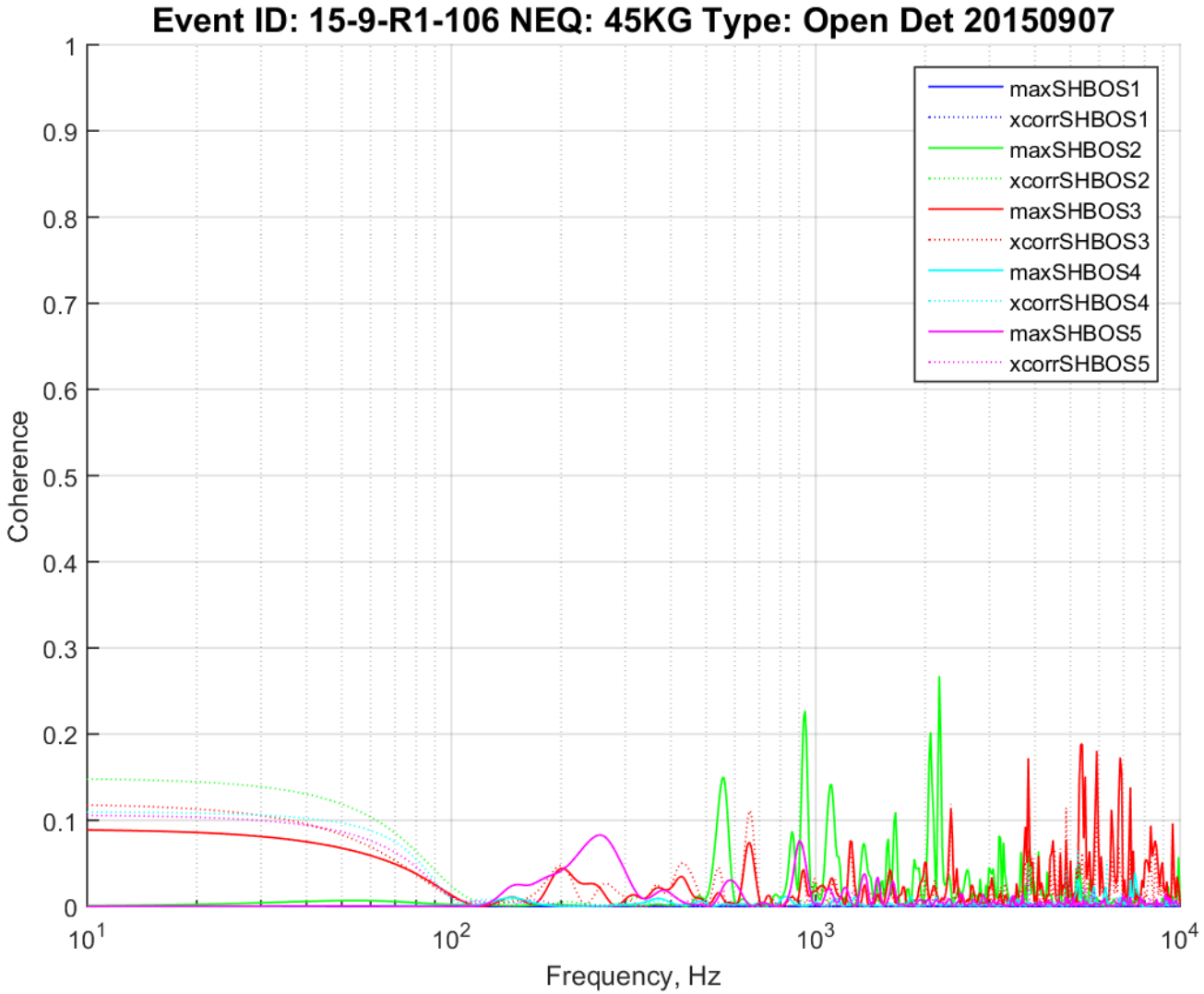


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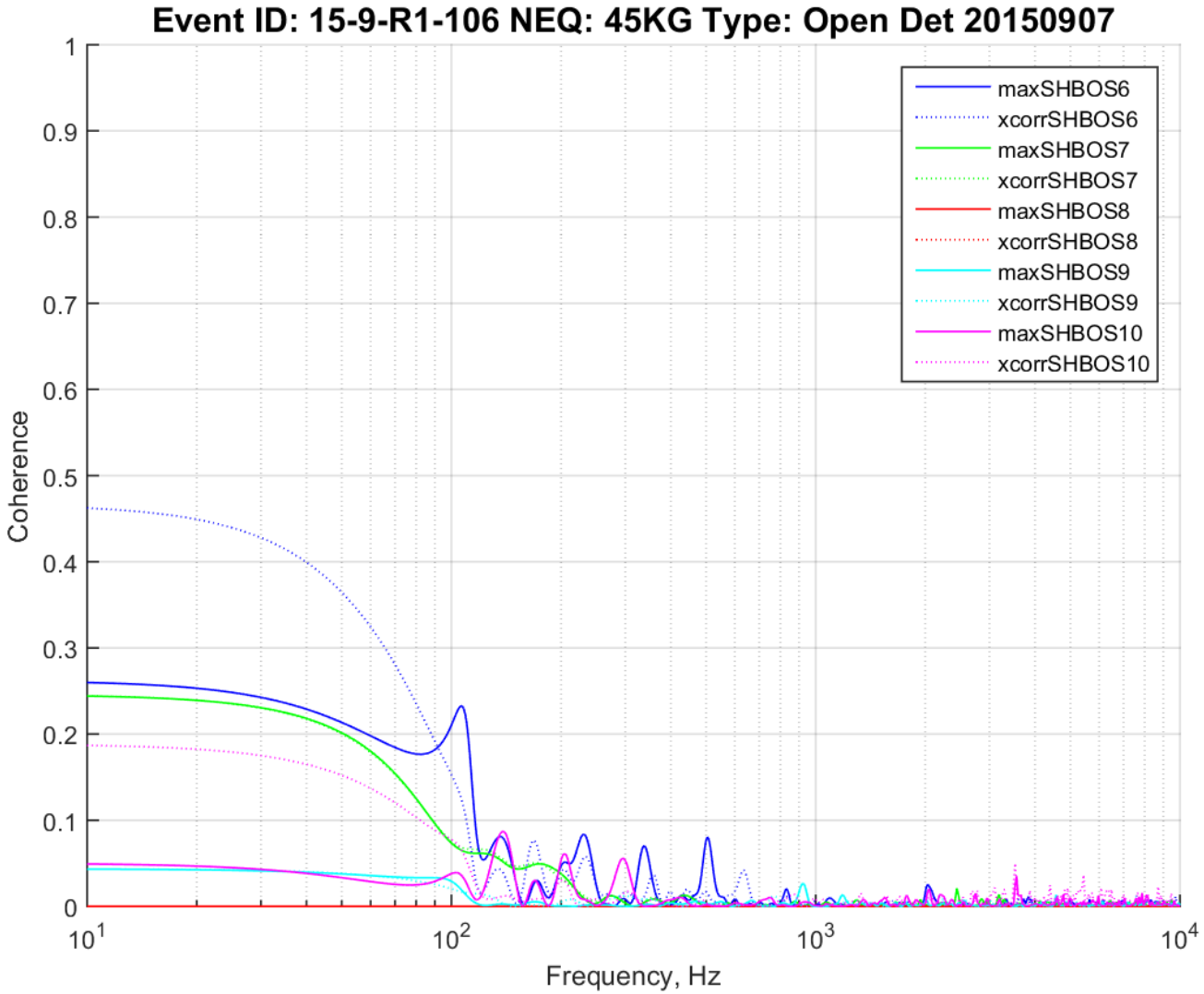


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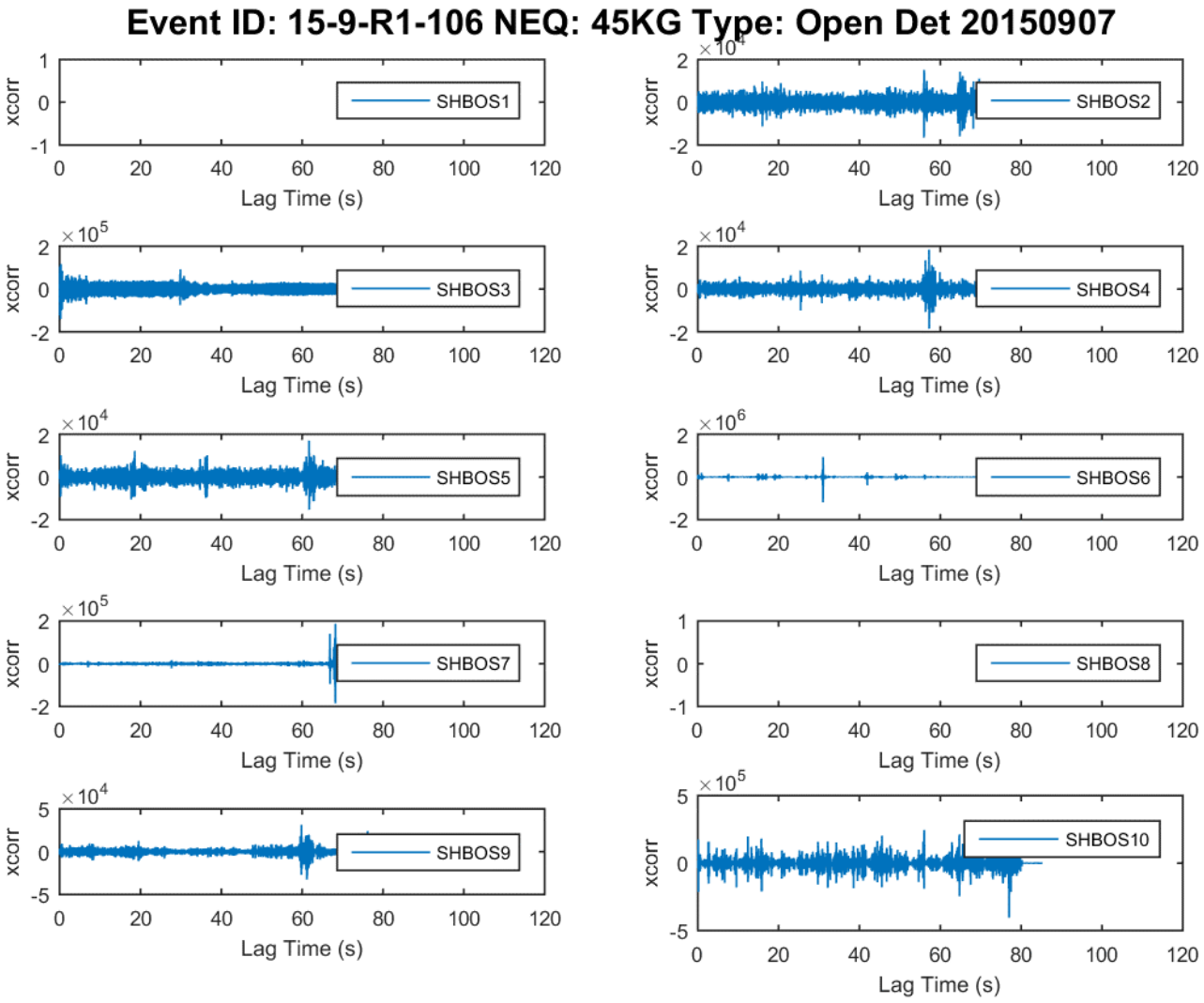


FIGURE 2.945: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-106

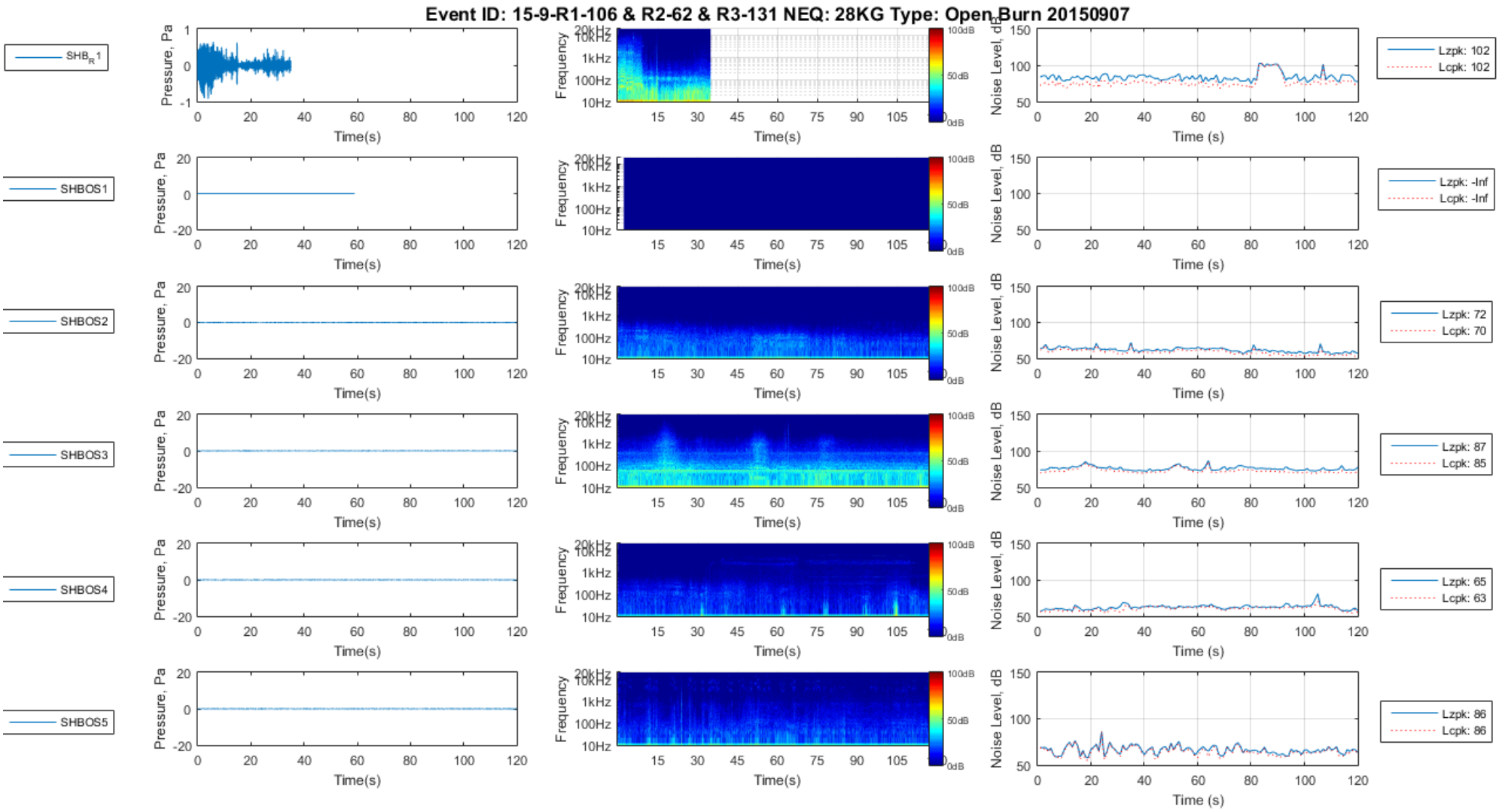


FIGURE 2.946: SHB_OS 1 - 5 15-9-R1-106 & R2-62 & R3-131

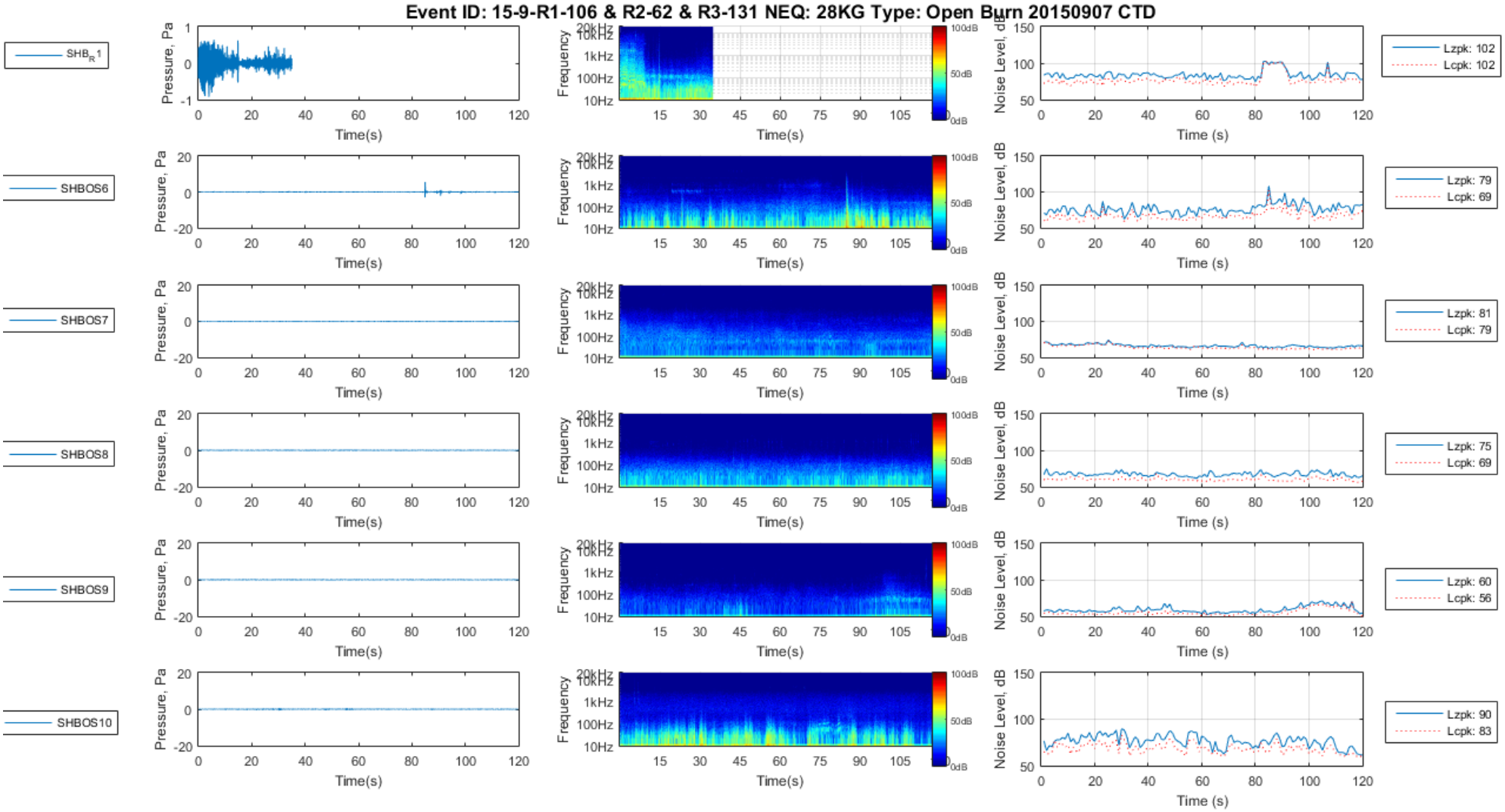


FIGURE 2.947: SHB_OS 6 - 10 15-9-R1-106 & R2-62 & R3-131

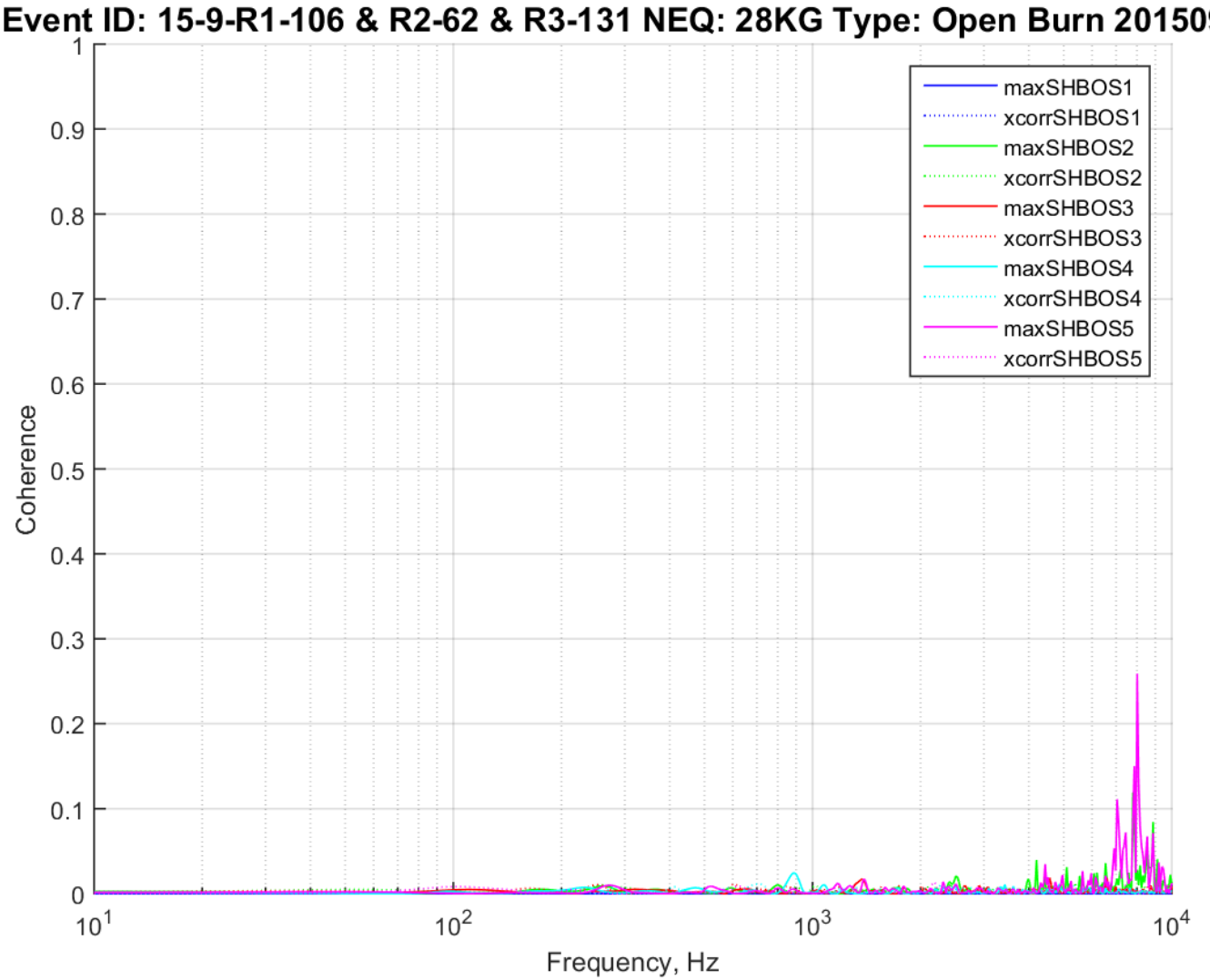


FIGURE 2.948: COHERENCE SHB_OS 1 - 5 15-9-R1-106 & R2-62 & R3-131

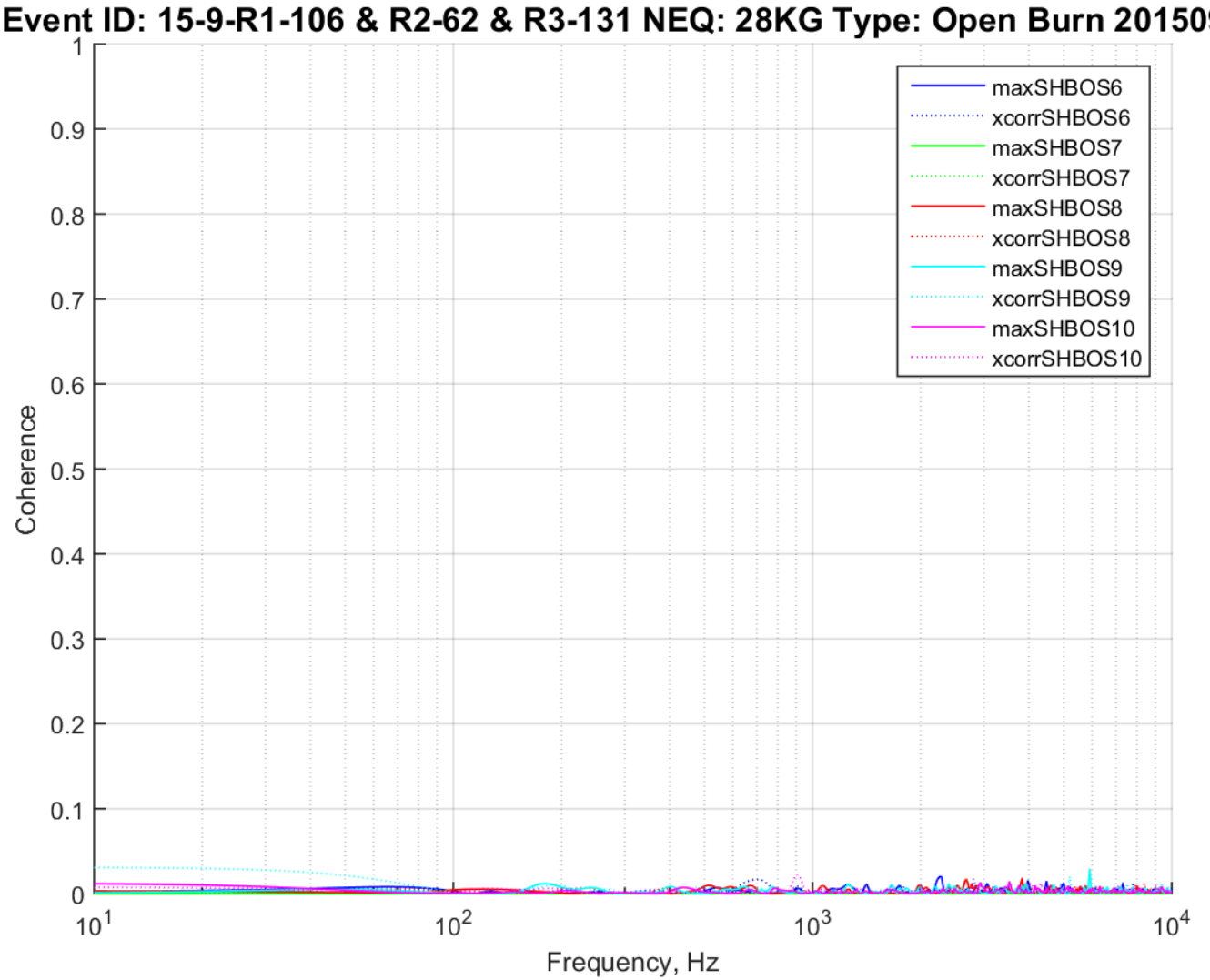


FIGURE 2.949: COHERENCE SHB_OS 6 - 10 15-9-R1-106 & R2-62 & R3-131CTD

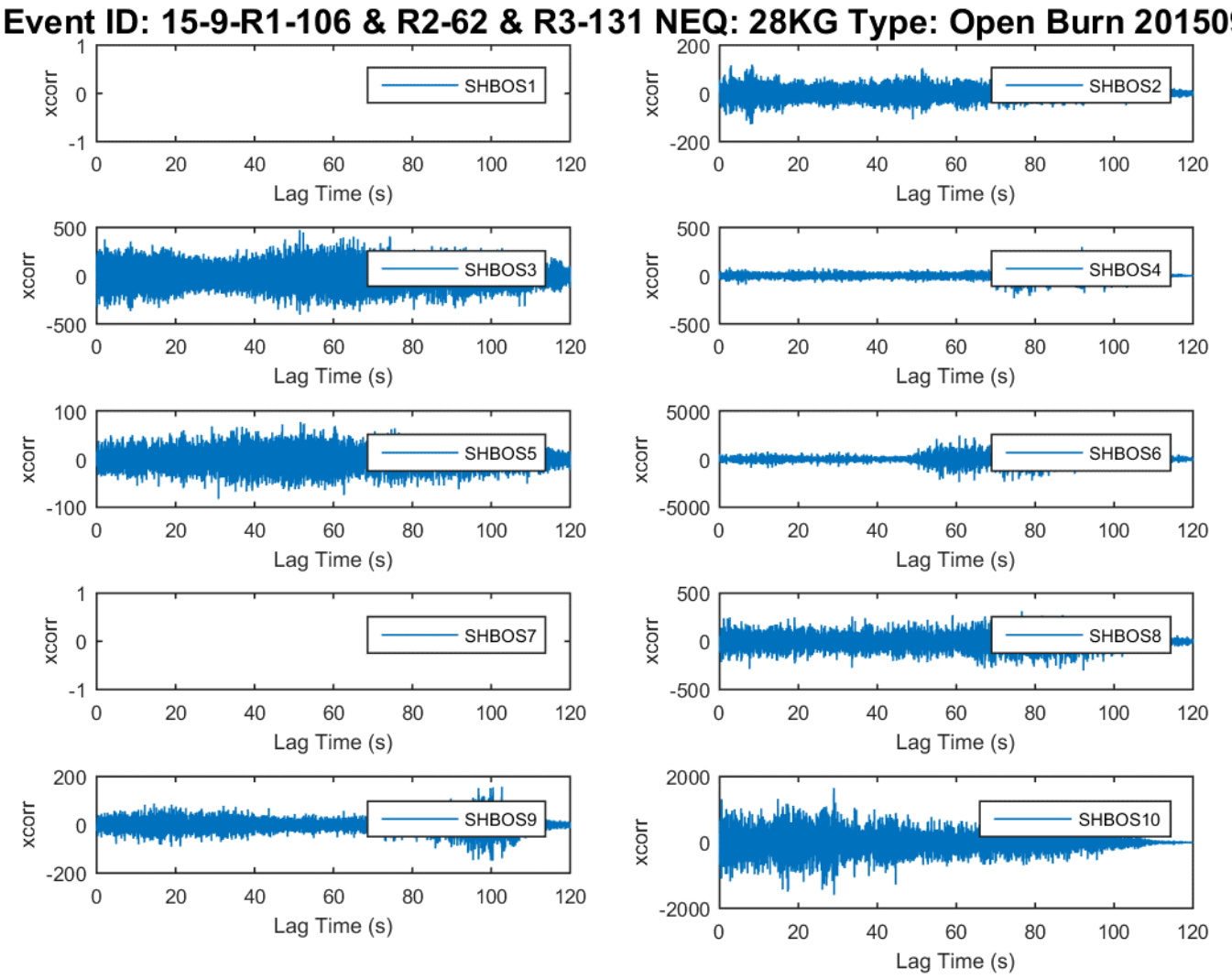


FIGURE 2.950: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-106 & R2-62 & R3-131

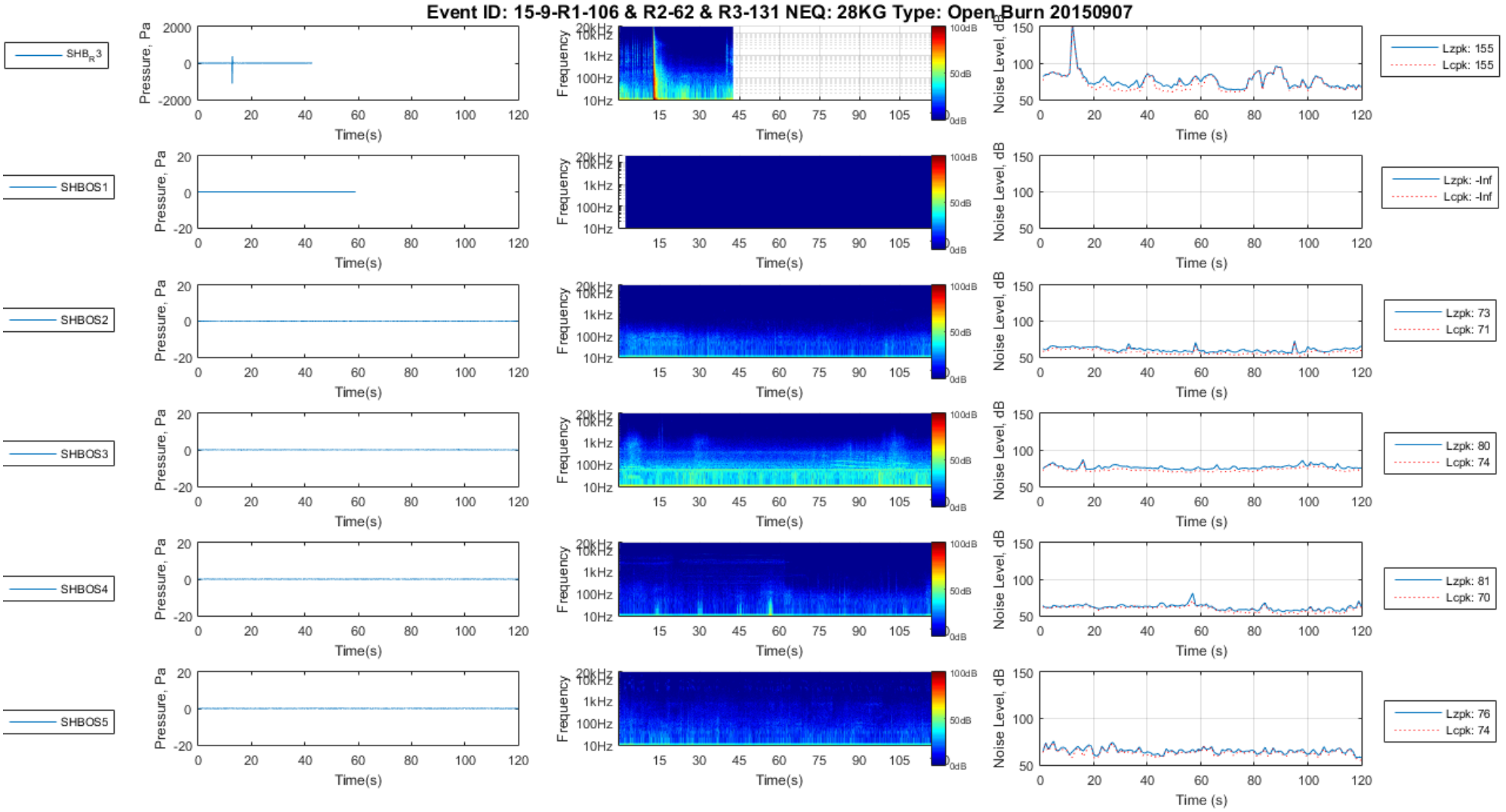


FIGURE 2.951: SHB_OS 1 - 5 15-9-R1-106 & R2-62 & R3-131

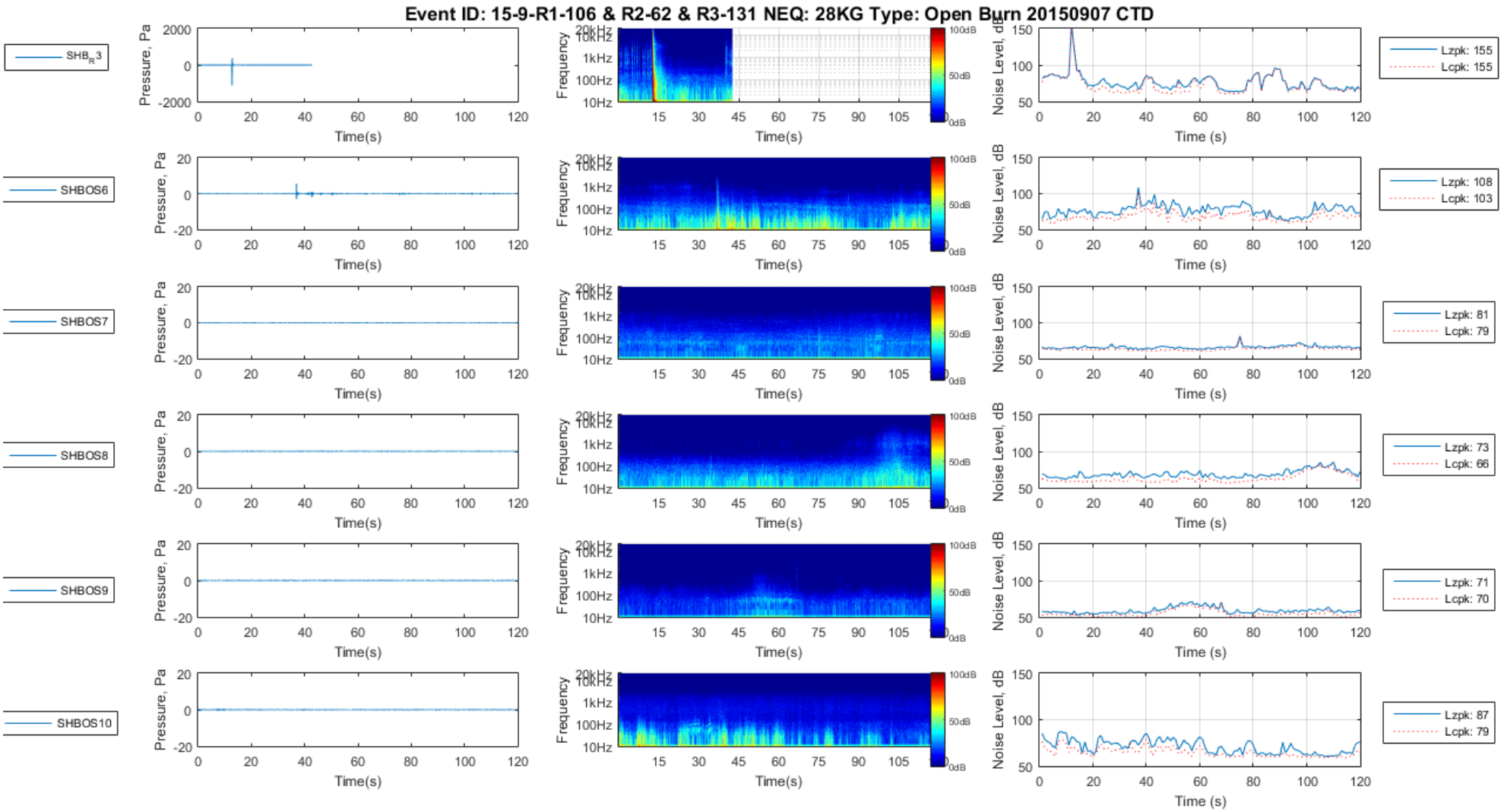


FIGURE 2.952: SHB_OS 6 - 10 15-9-R1-106 & R2-62 & R3-131

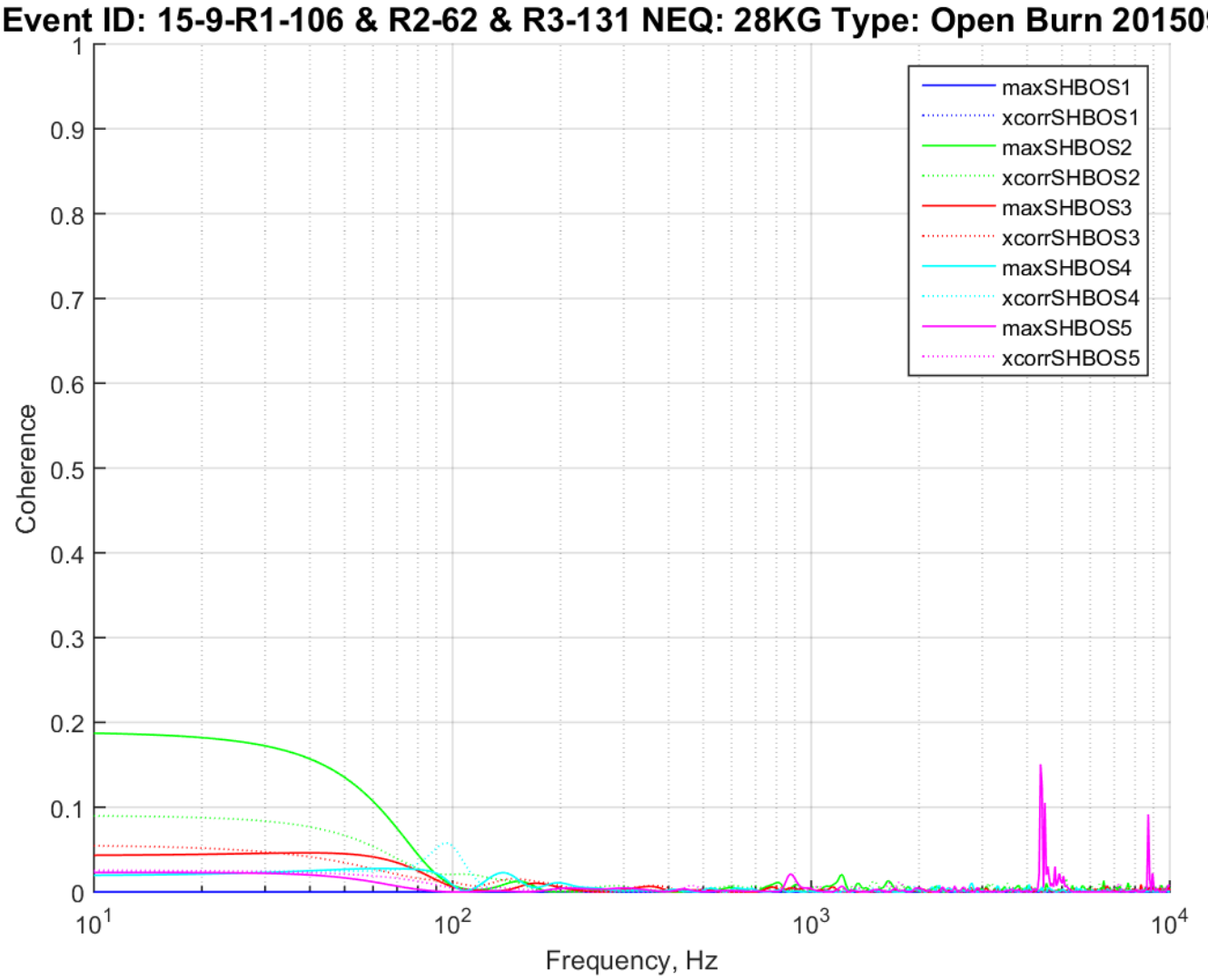


FIGURE 2.953: COHERENCE SHB_OS 1 - 5 15-9-R1-106 & R2-62 & R3-131

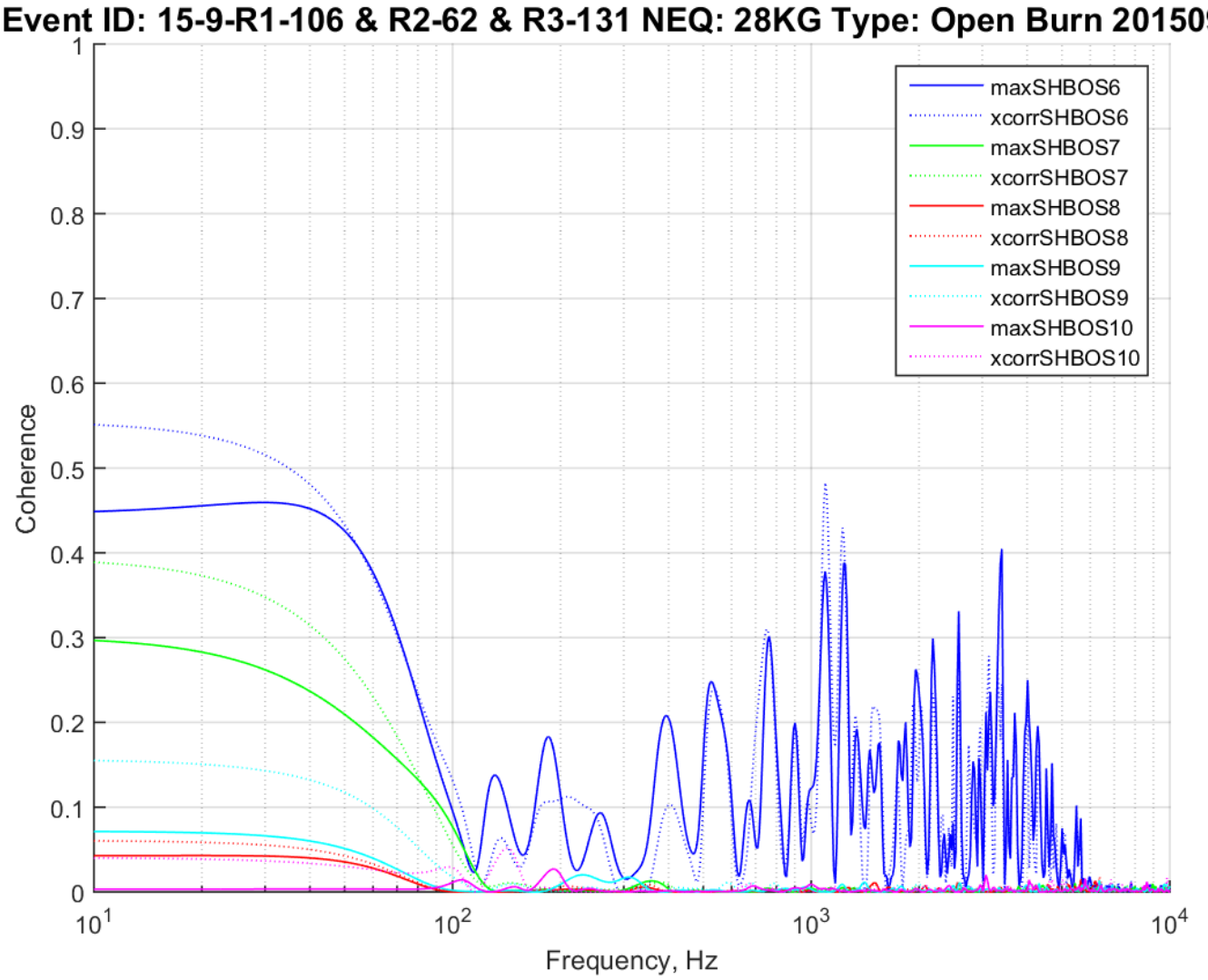


FIGURE 2.954: COHERENCE SHB_OS 6 - 10 15-9-R1-106 & R2-62 & R3-131CTD

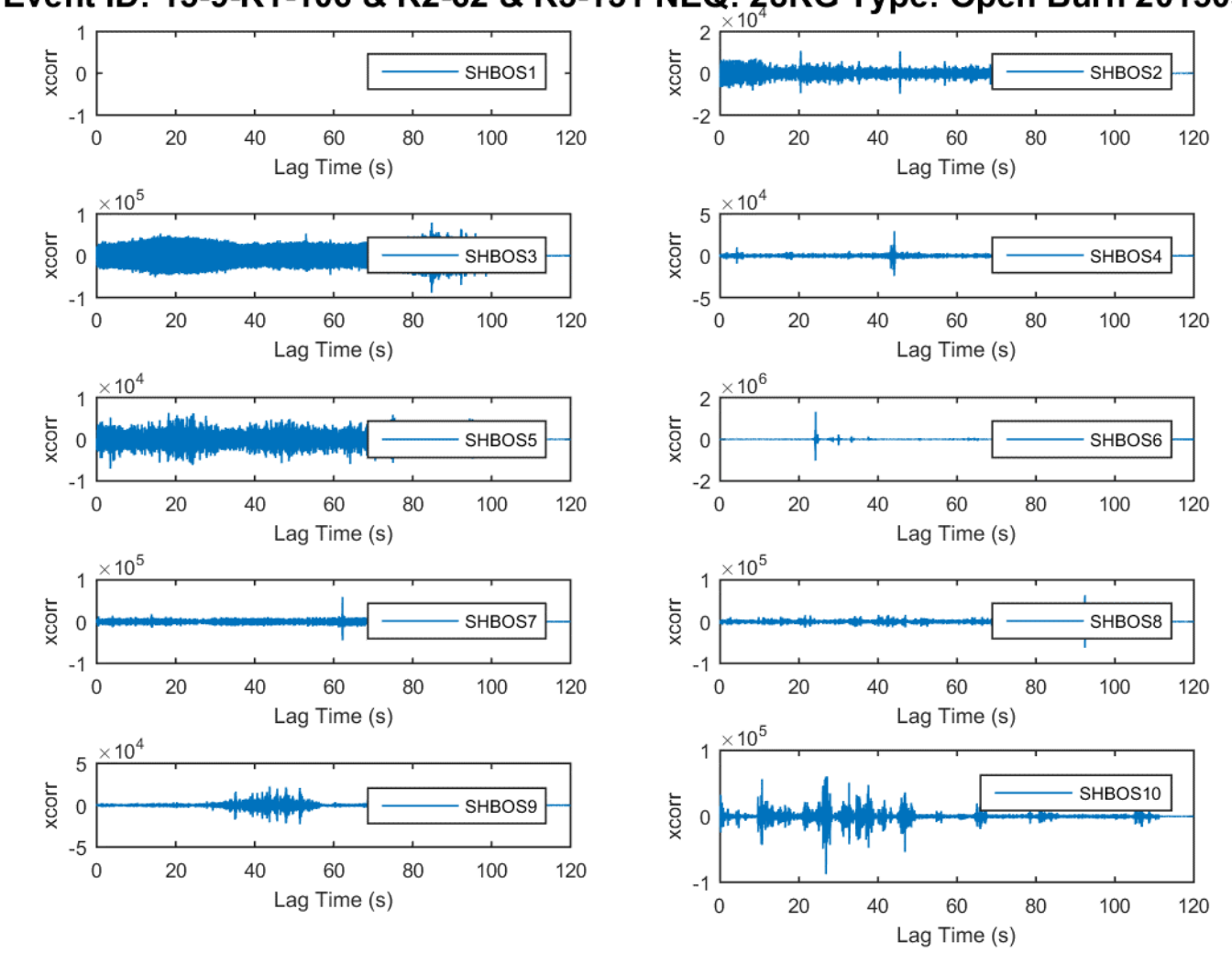


FIGURE 2.955: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-106 & R2-62 & R3-131

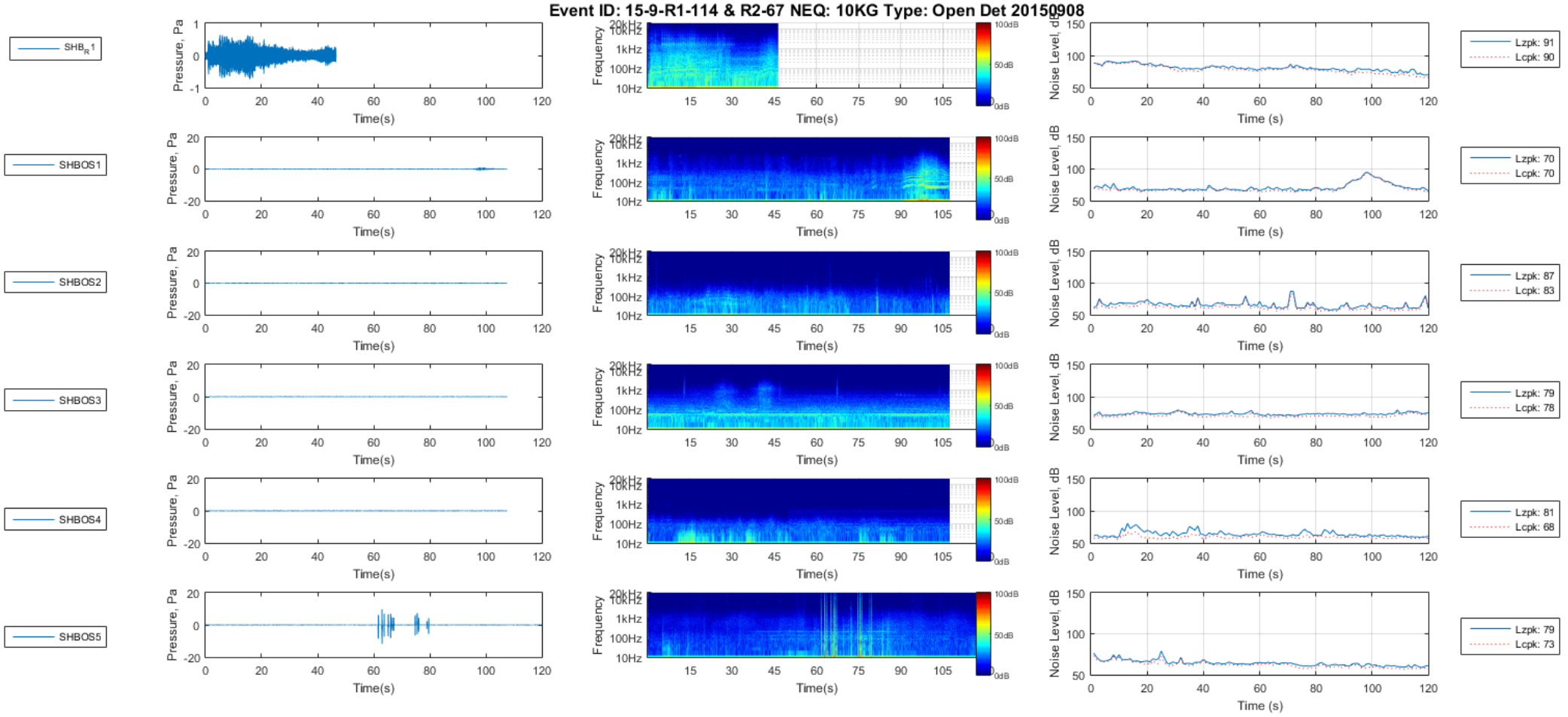


FIGURE 2.956: SHB_OS 1 - 5 15-9-R1-114 & R2-67

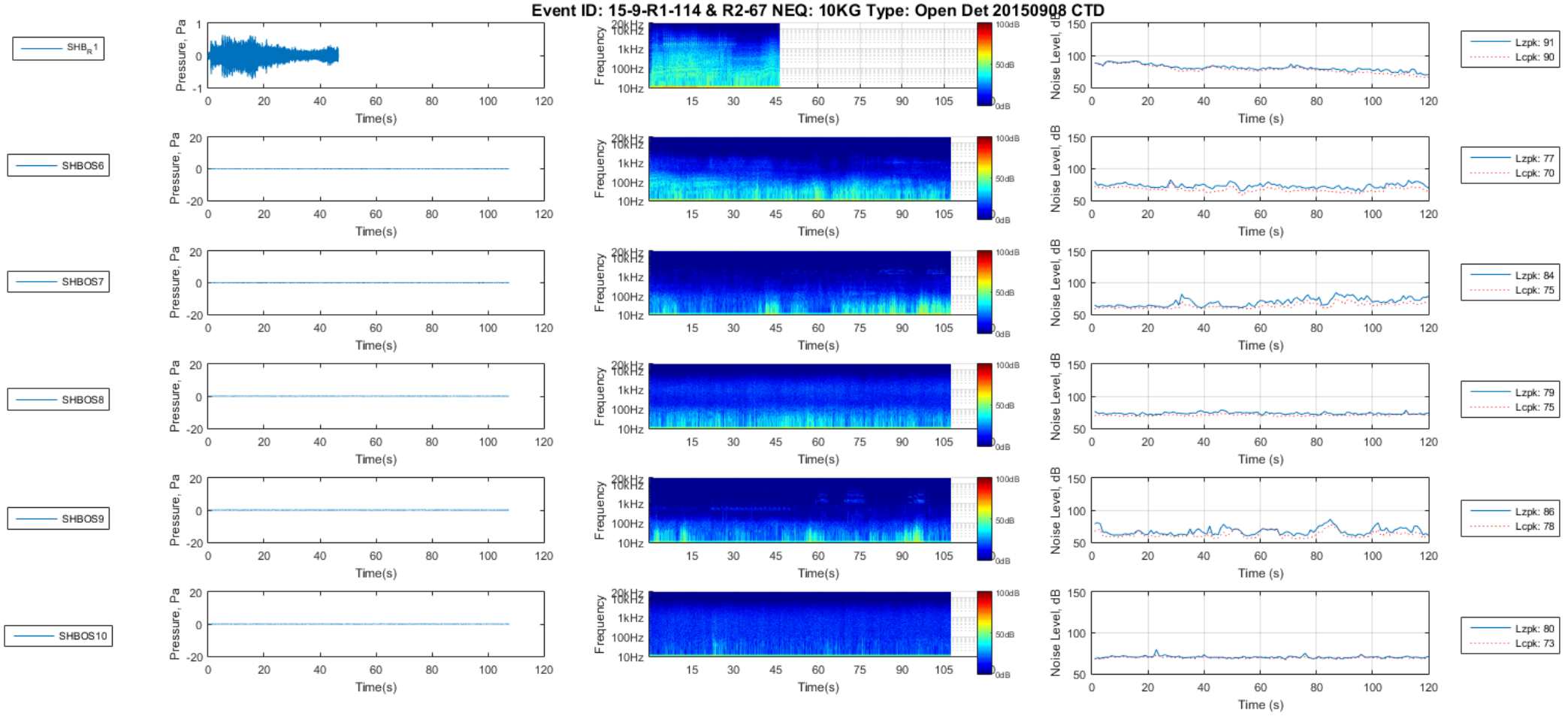


FIGURE 2.957: SHB_OS 6 - 10 15-9-R1-114 & R2-67

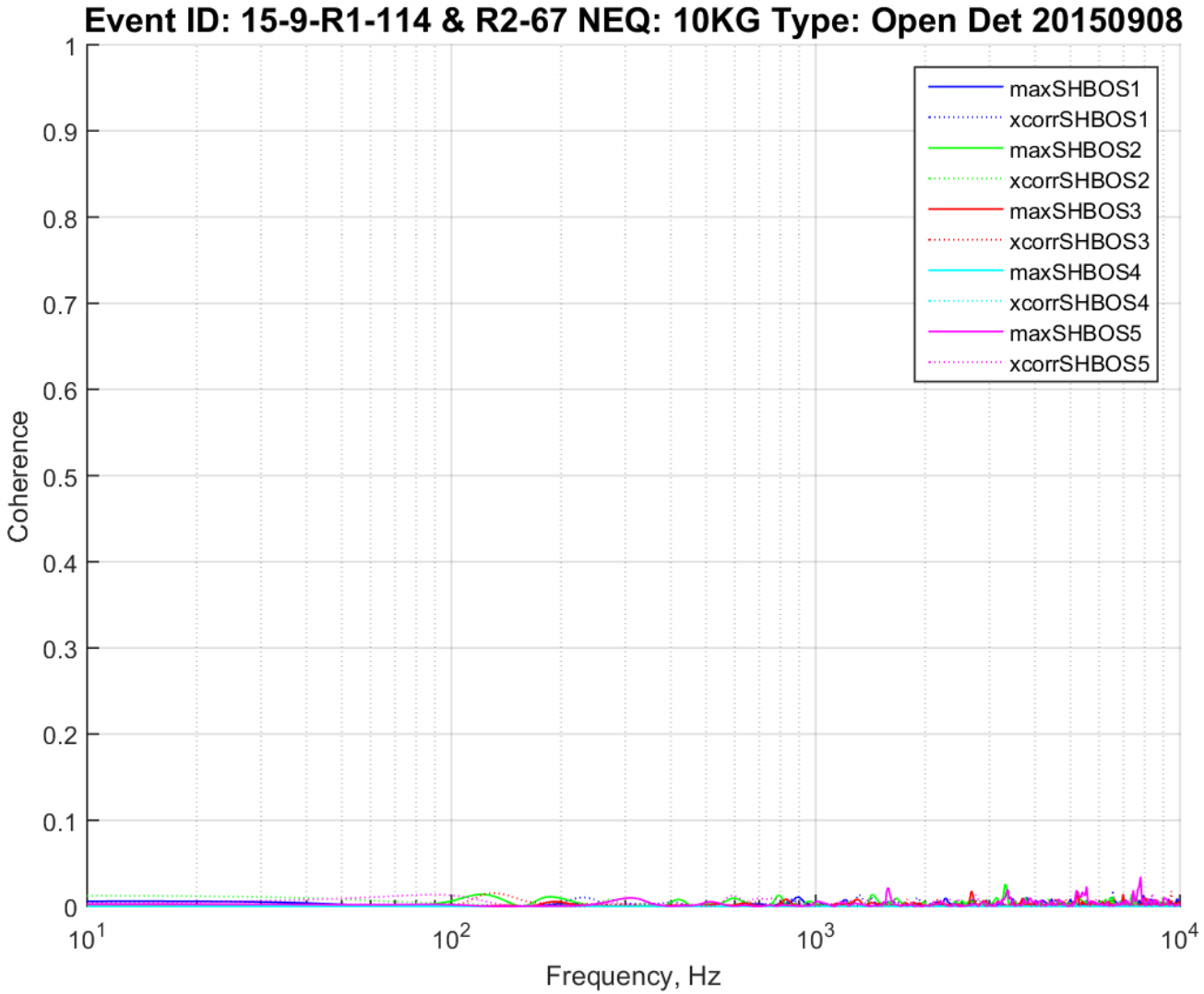


FIGURE 2.958: COHERENCE SHB_OS 1 - 5 15-9-R1-114 & R2-67

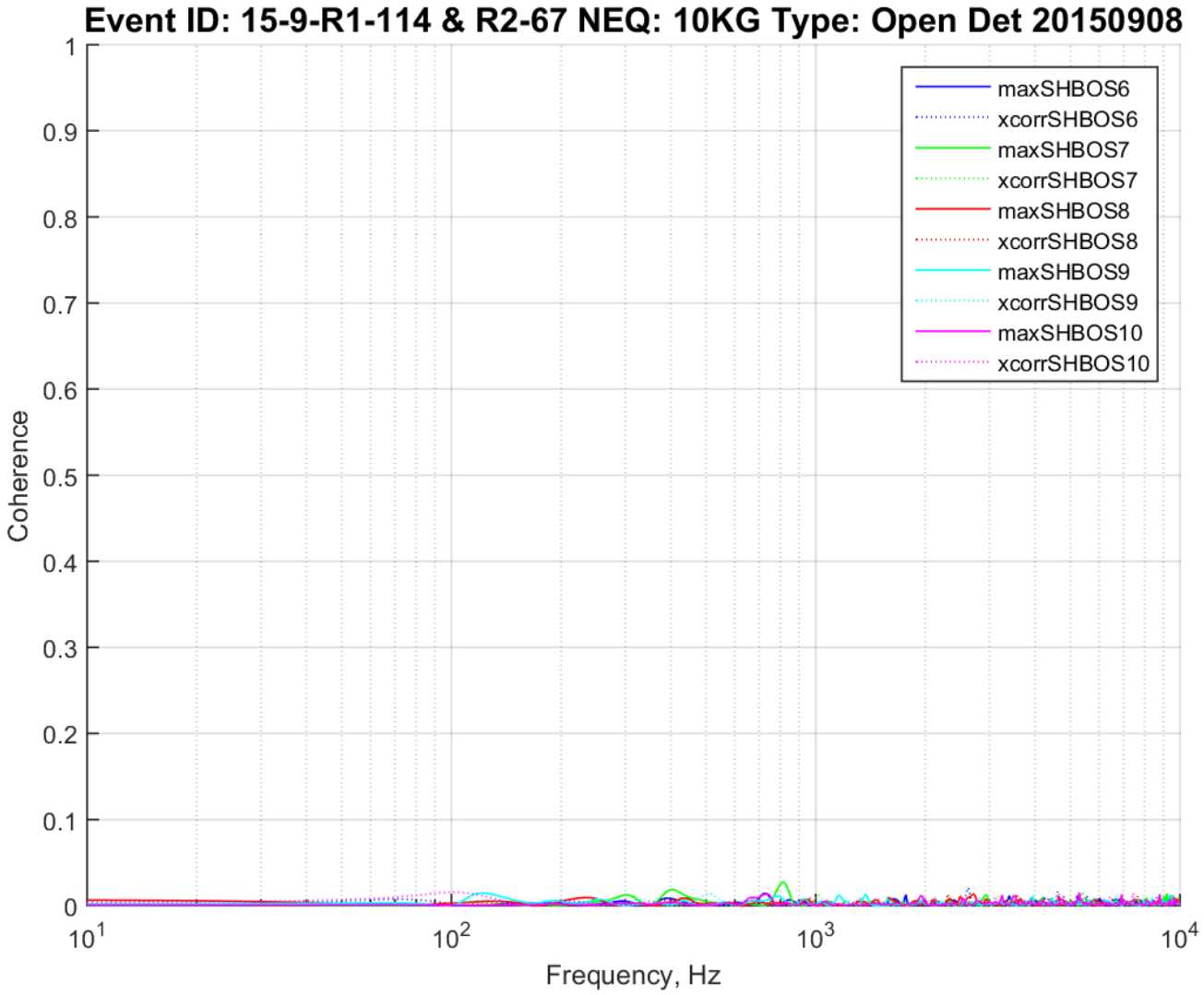


FIGURE 2.959: COHERENCE SHB_OS 6 - 10 15-9-R1-114 & R2-67CTD

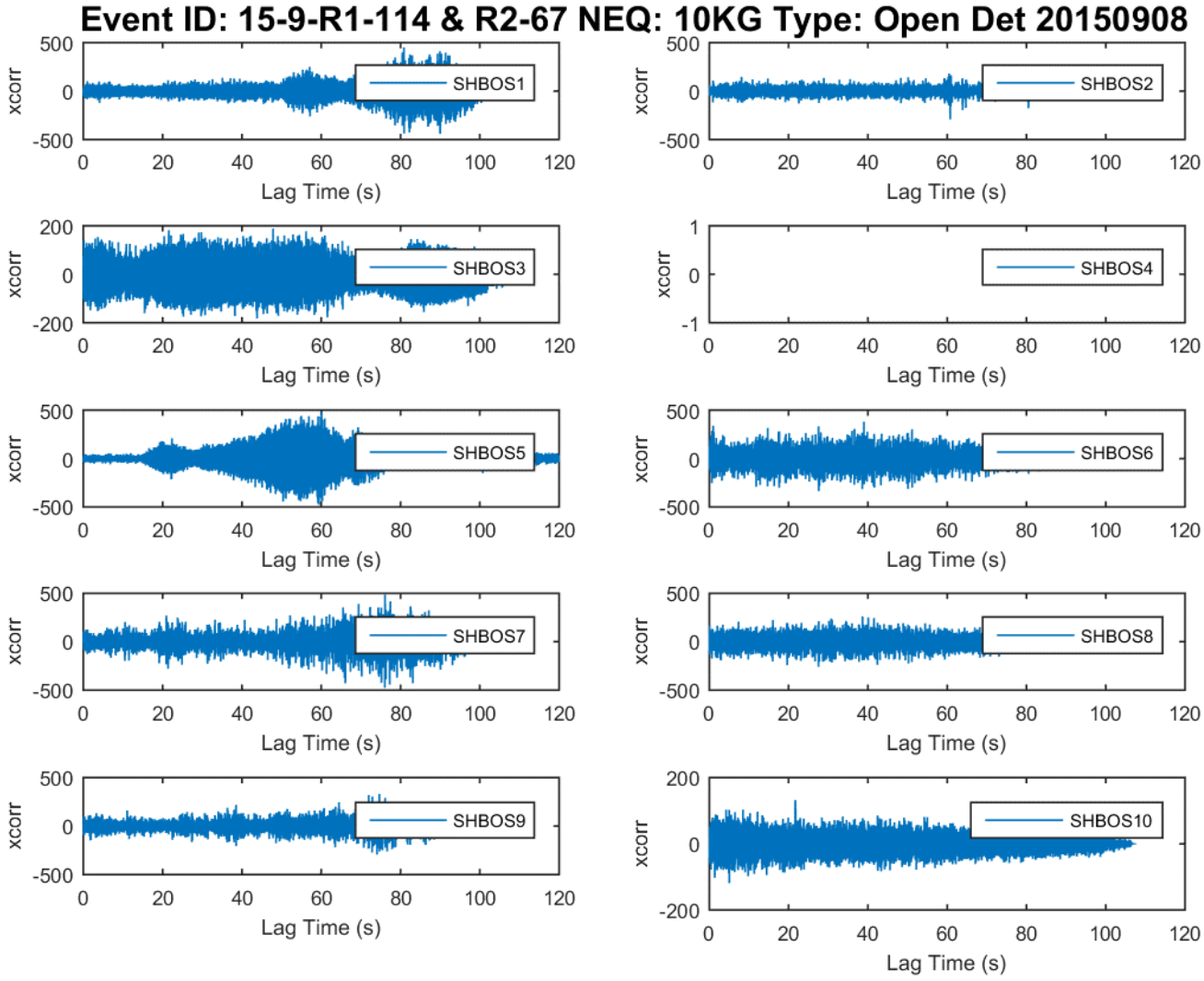


FIGURE 2.960: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-114 & R2-67

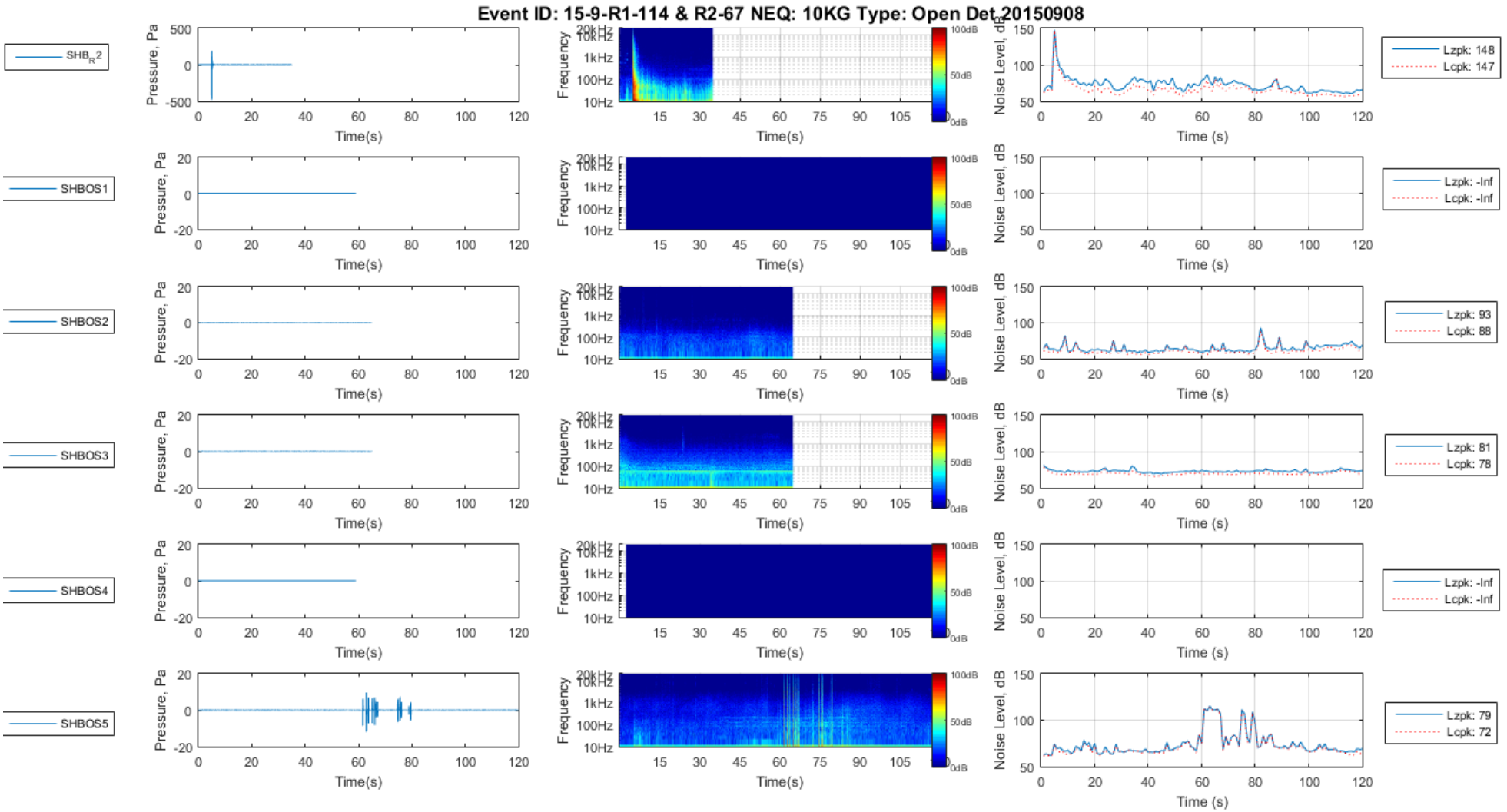


FIGURE 2.961: SHB_OS 1 - 5 15-9-R1-114 & R2-67

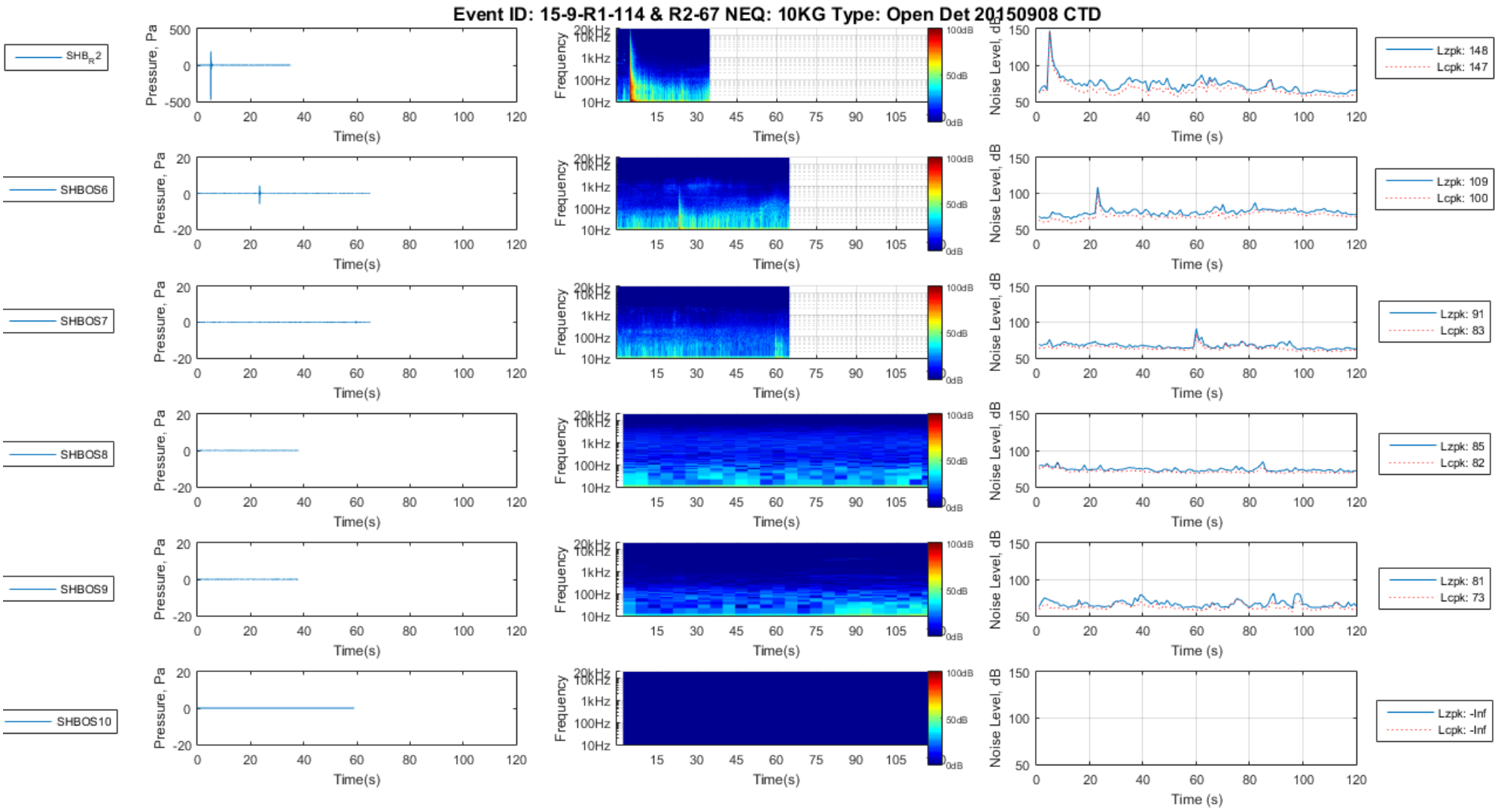


FIGURE 2.962: SHB_OS 6 - 10 15-9-R1-114 & R2-67

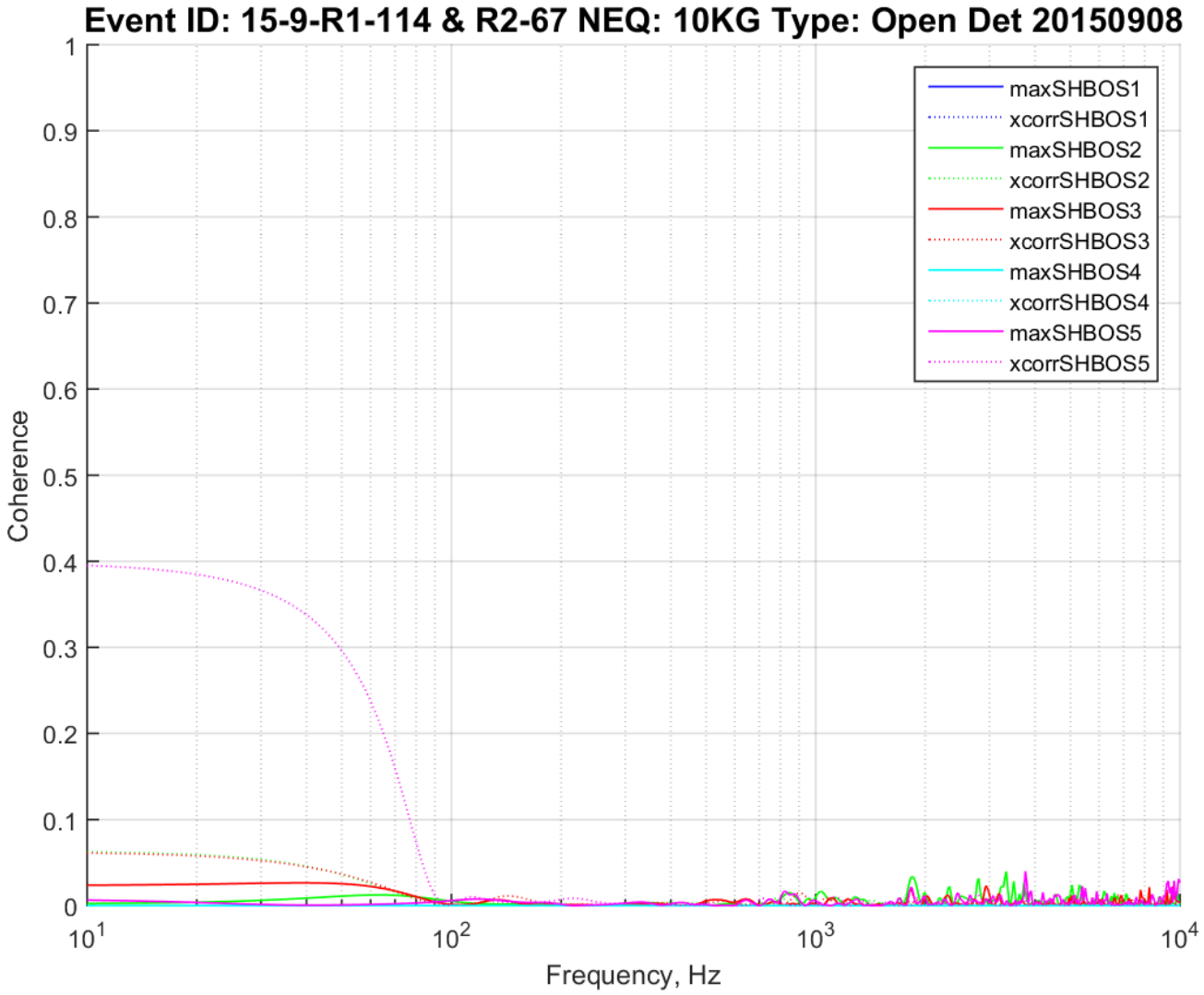


FIGURE 2.963: COHERENCE SHB_OS 1 - 5 15-9-R1-114 & R2-67

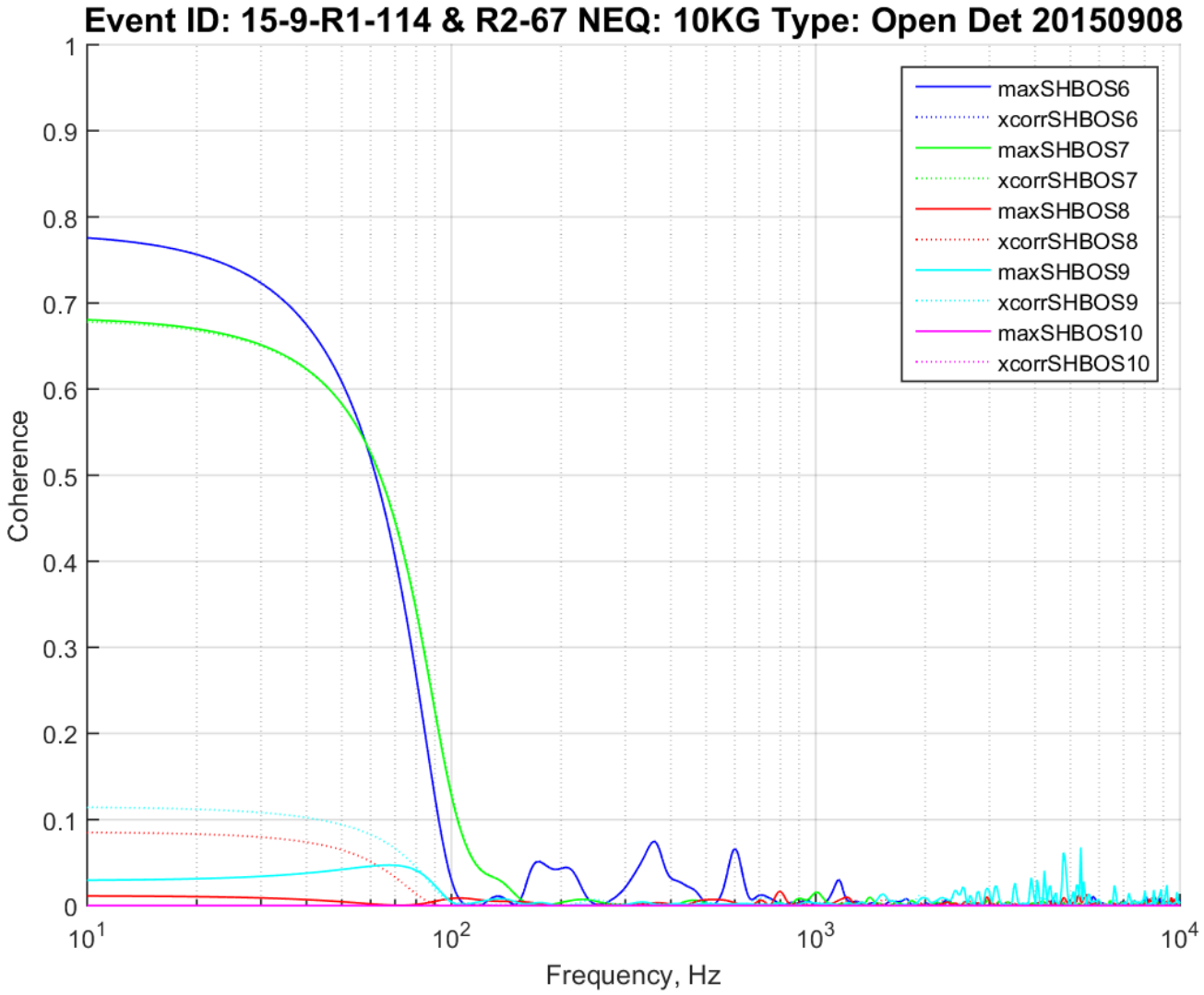


FIGURE 2.964: COHERENCE SHB_OS 6 - 10 15-9-R1-114 & R2-67CTD

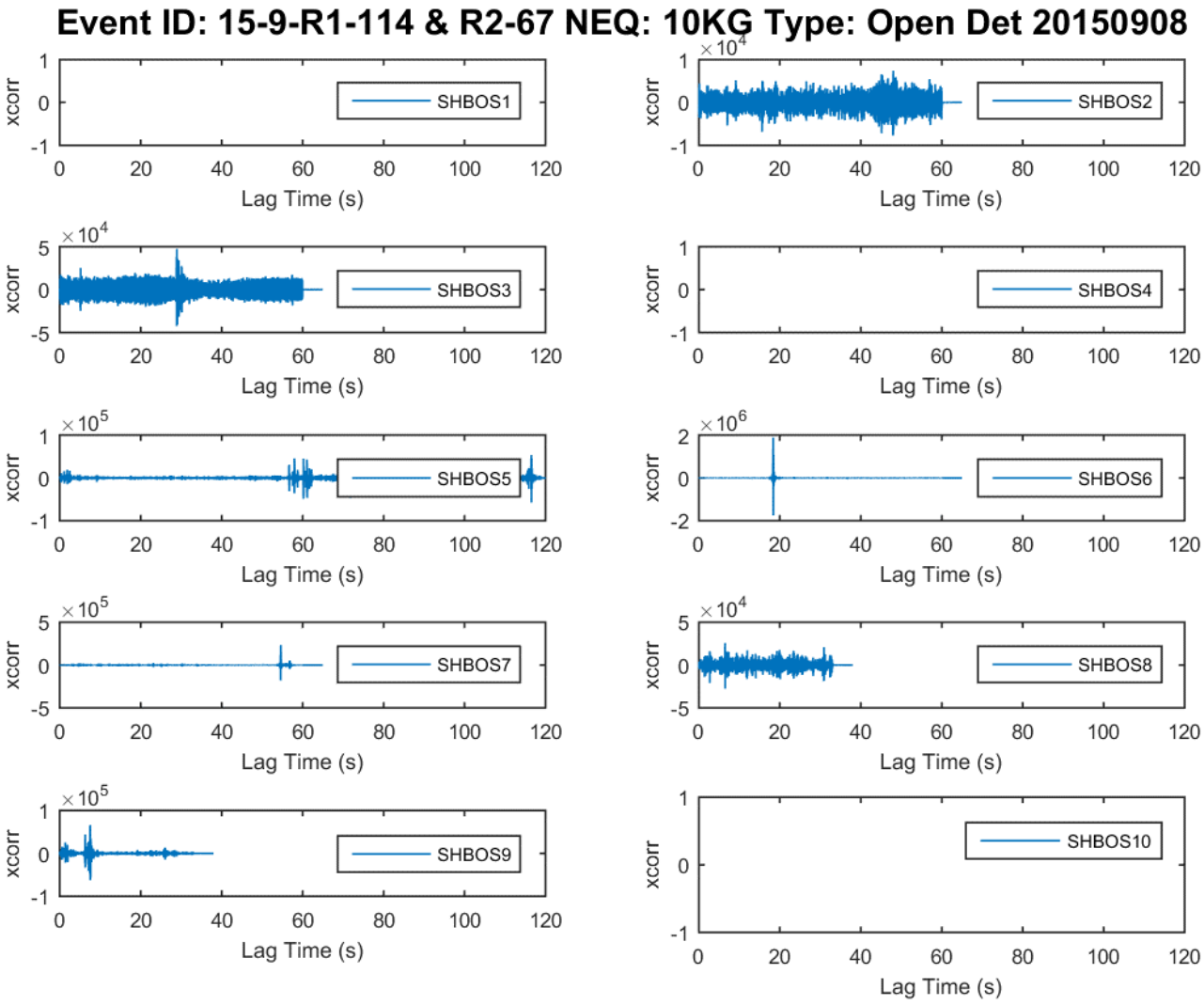


FIGURE 2.965: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-114 & R2-67

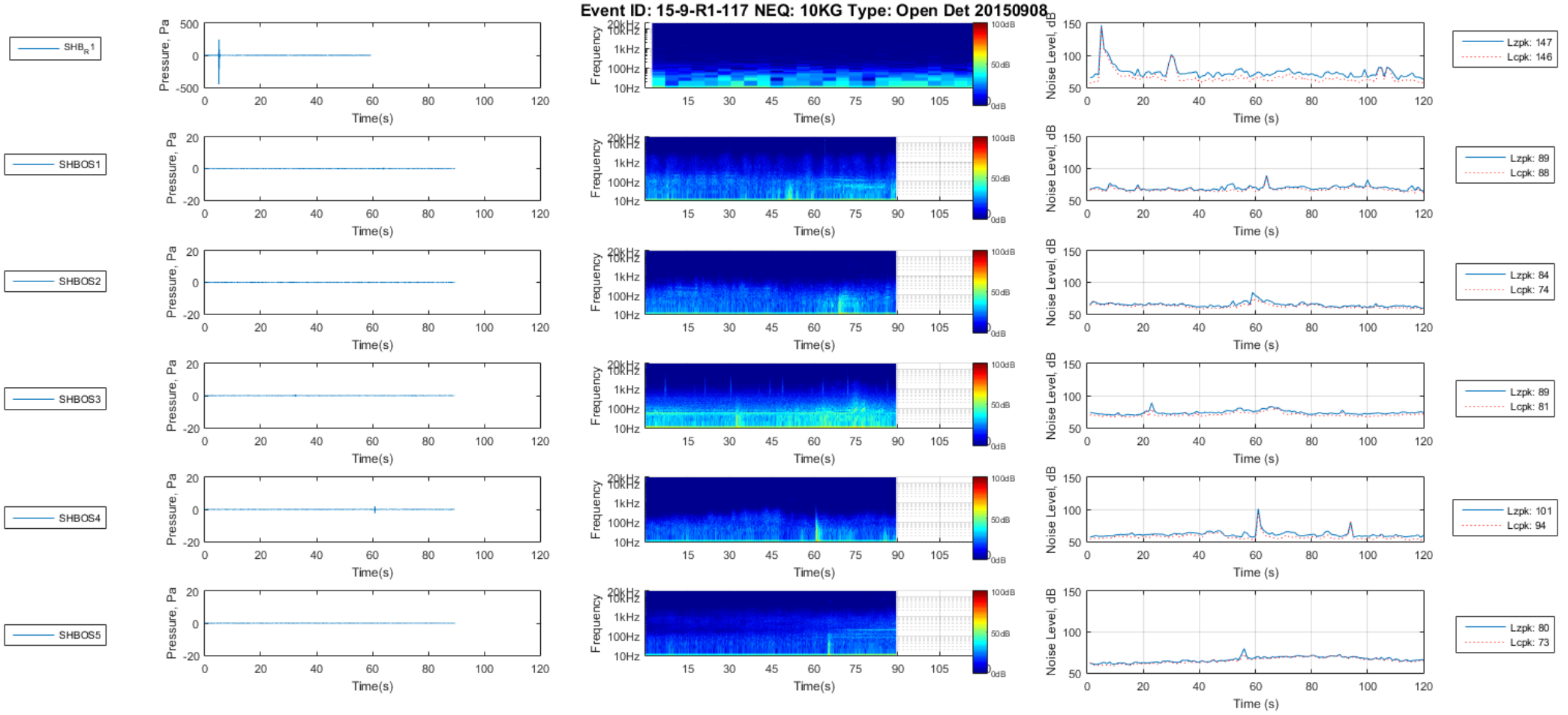


FIGURE 2.966: SHB_OS 1 - 5 15-9-R1-117

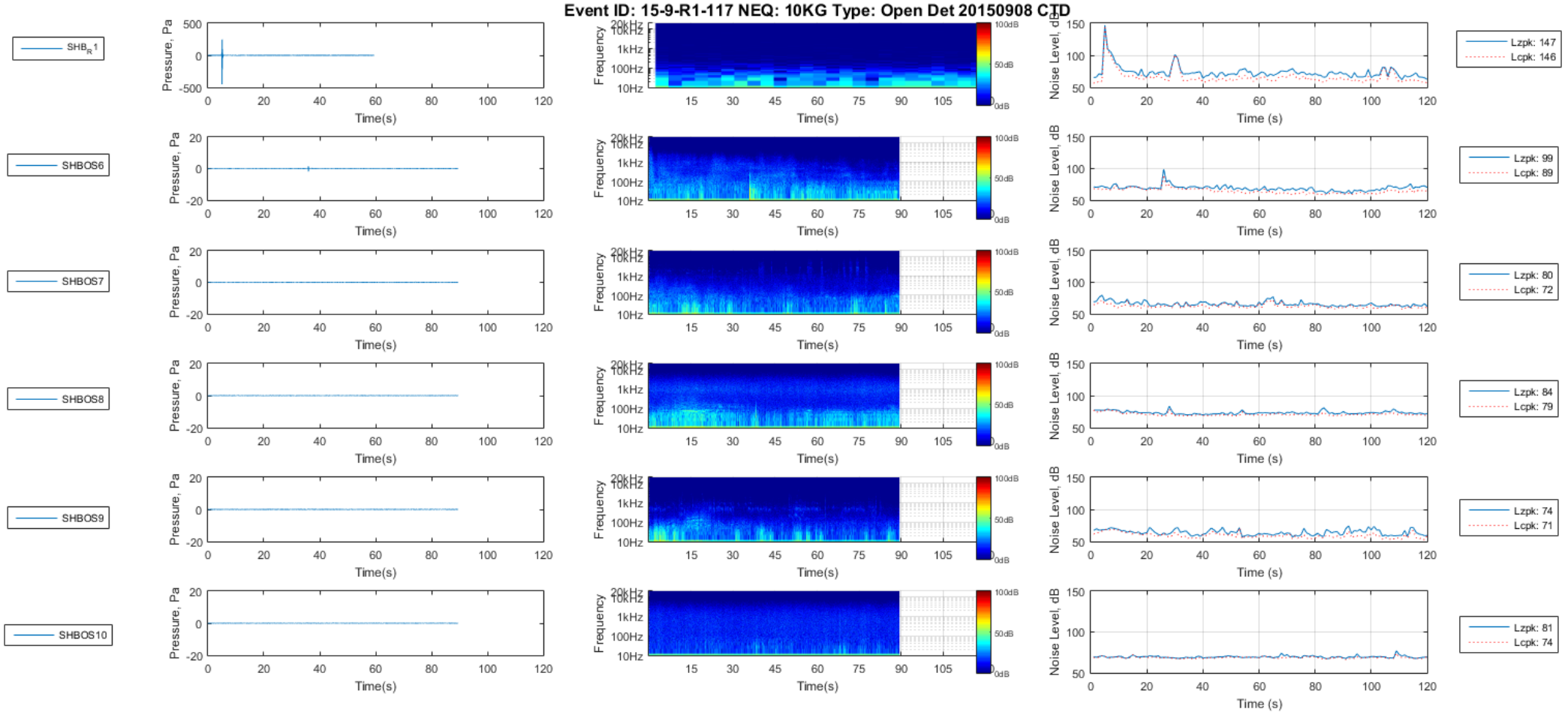


FIGURE 2.967: SHB_OS 6 - 10 15-9-R1-117

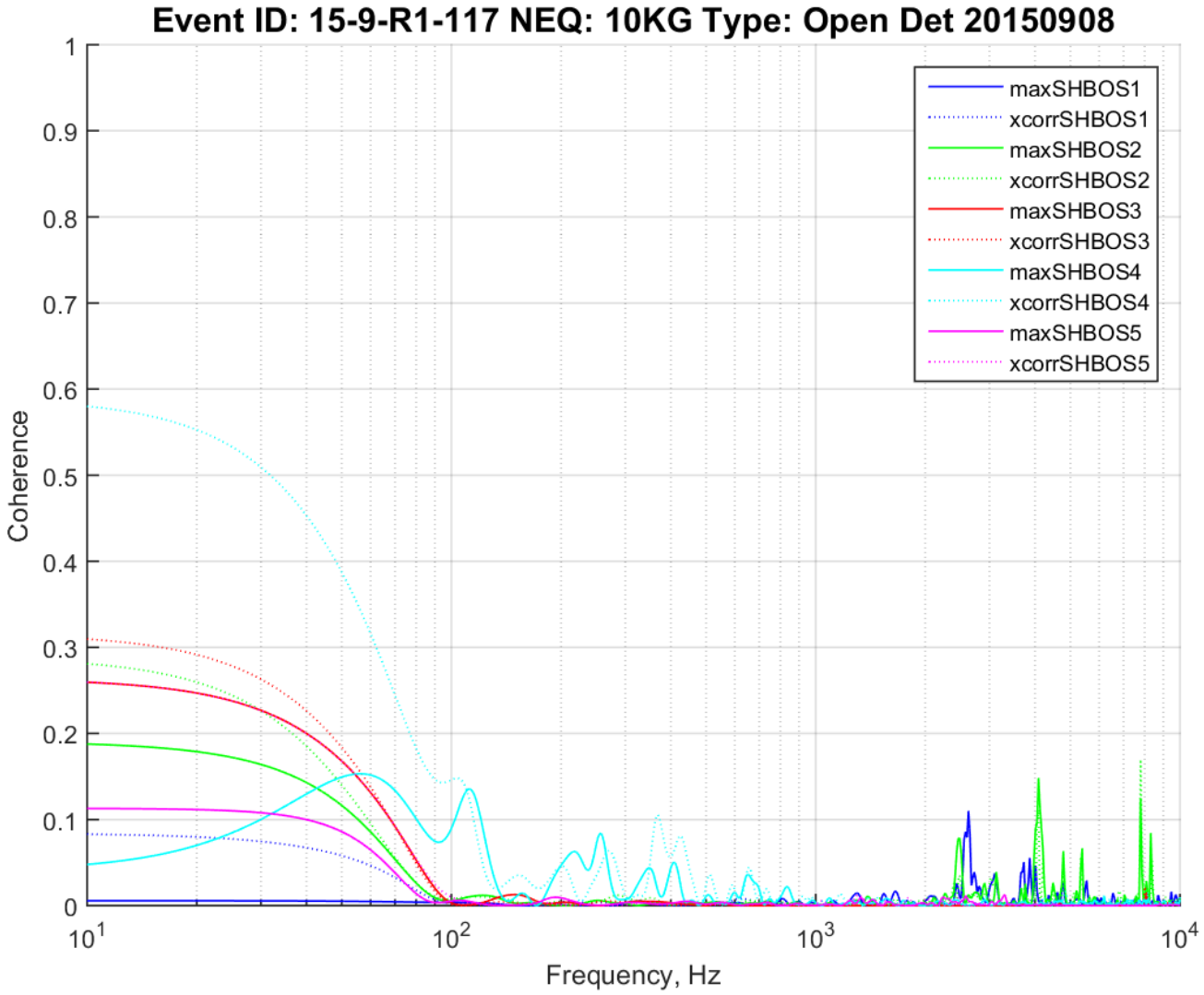


FIGURE 2.968: COHERENCE SHB_OS 1 - 5 15-9-R1-117

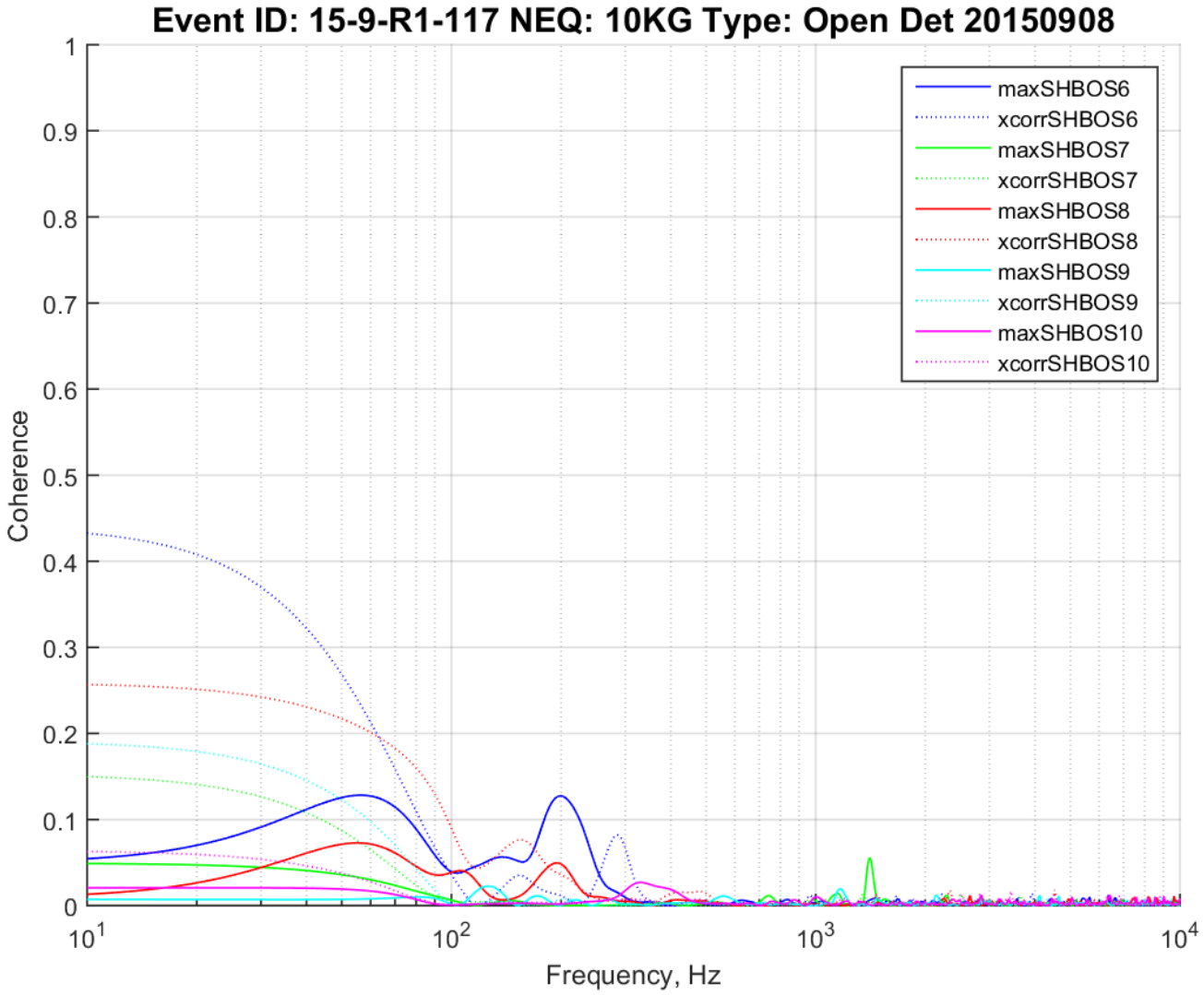


FIGURE 2.969: COHERENCE SHB_OS 6 - 10 15-9-R1-117CTD

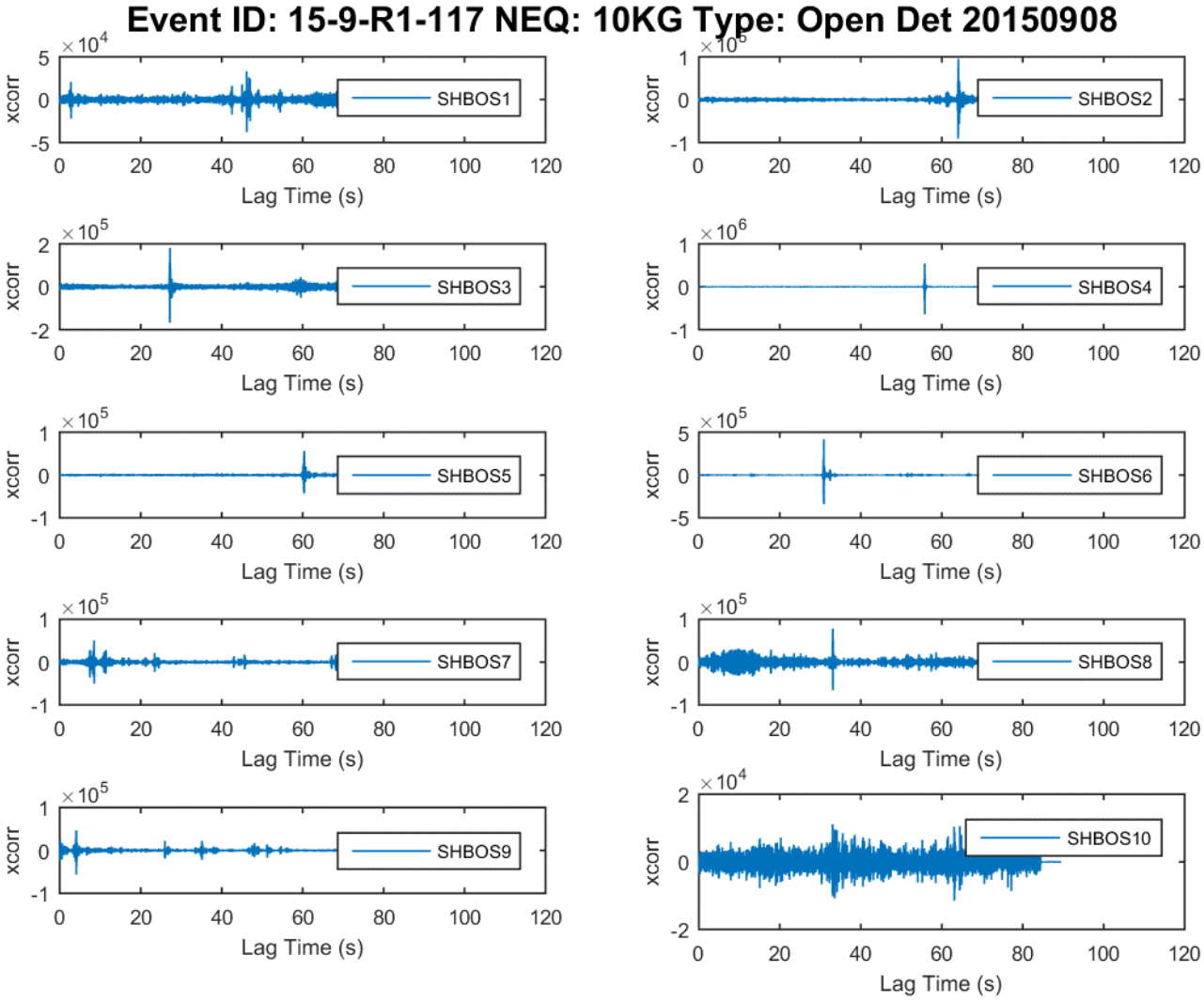


FIGURE 2.970: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-117

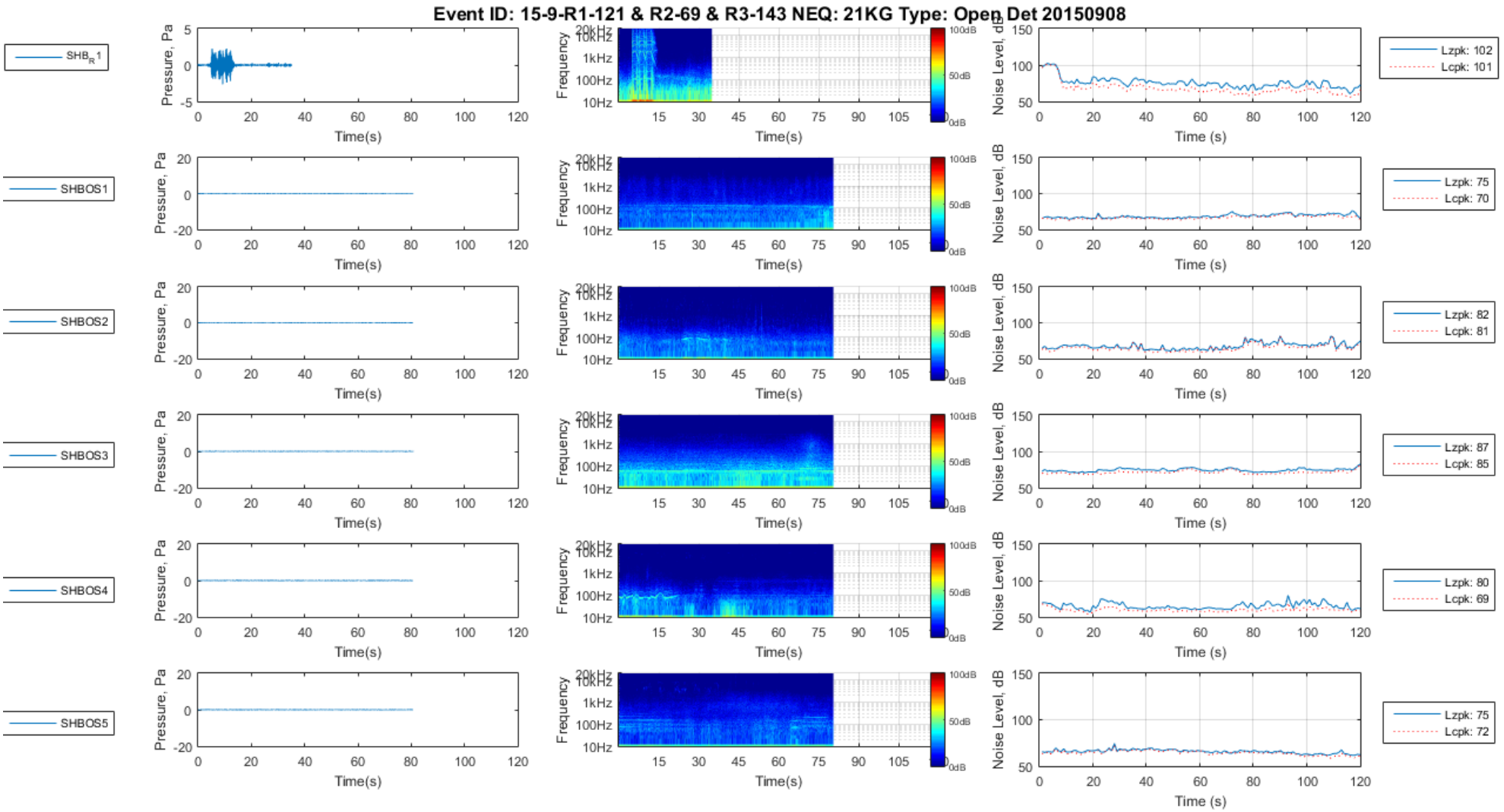


FIGURE 2.971: SHB_OS 1 - 5 15-9-R1-121 & R2-69 & R3-143

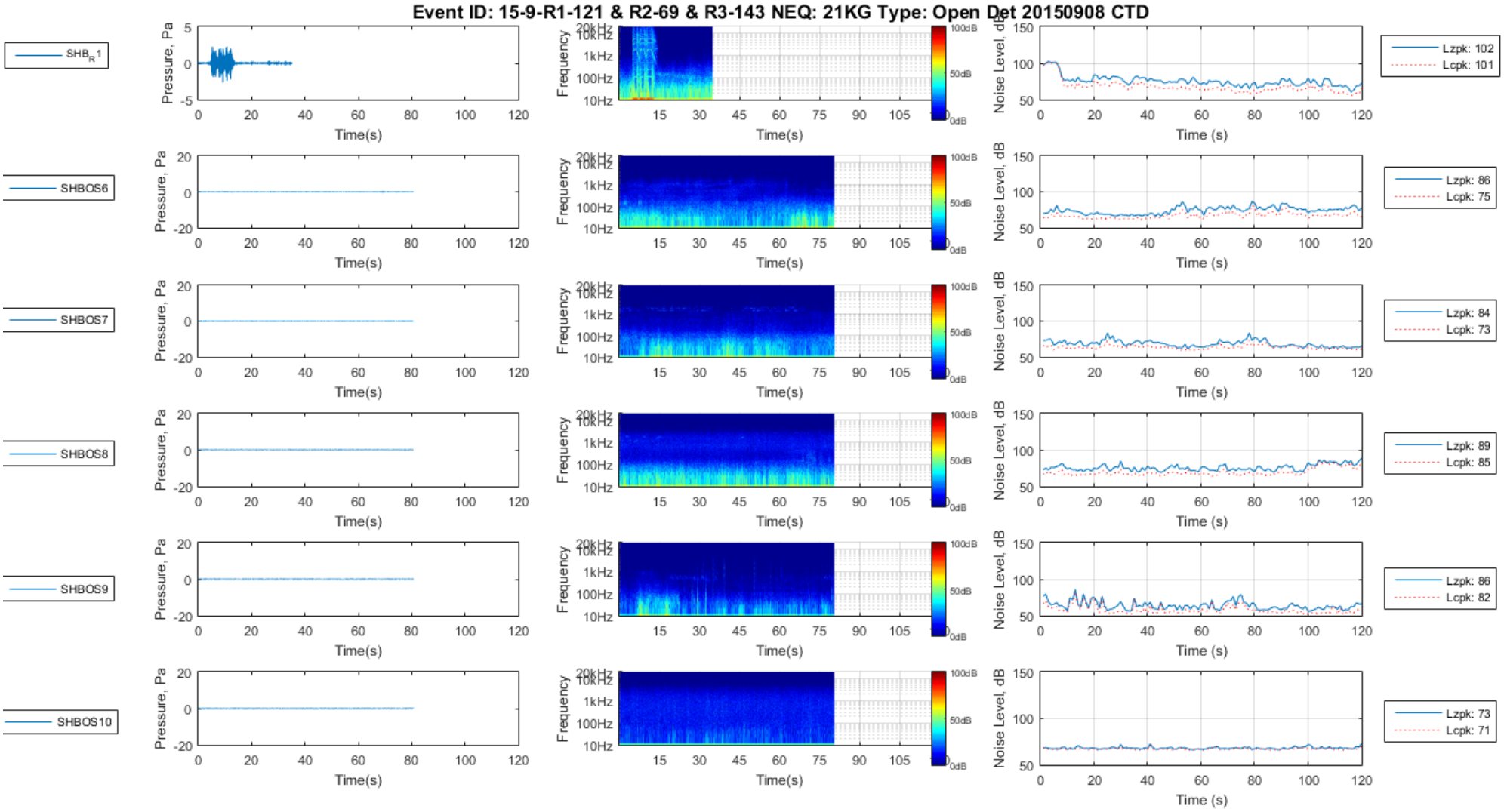


FIGURE 2.972: SHB_OS 6 - 10 15-9-R1-121 & R2-69 & R3-143

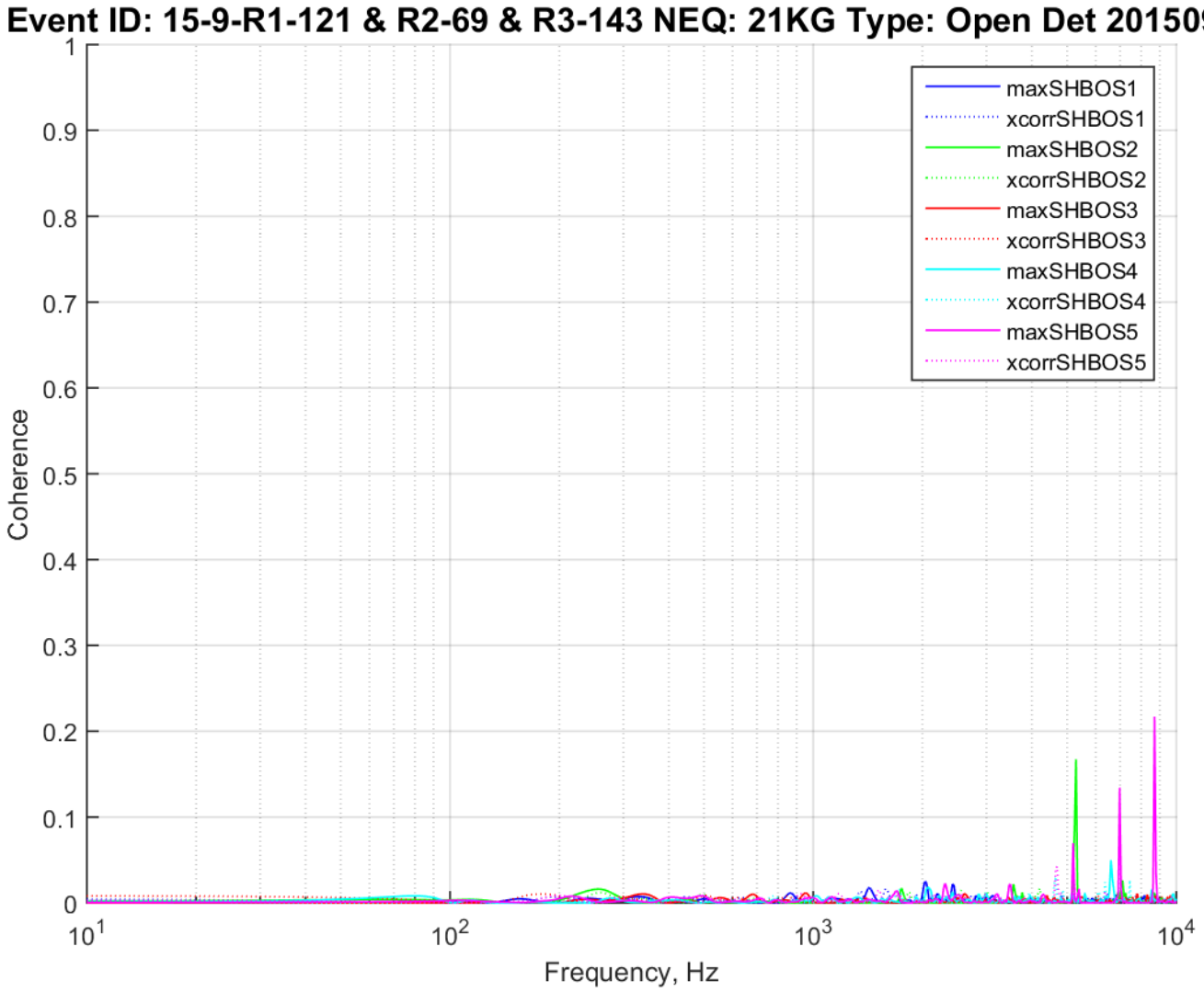


FIGURE 2.973: COHERENCE SHB_OS 1 - 5 15-9-R1-121 & R2-69 & R3-143

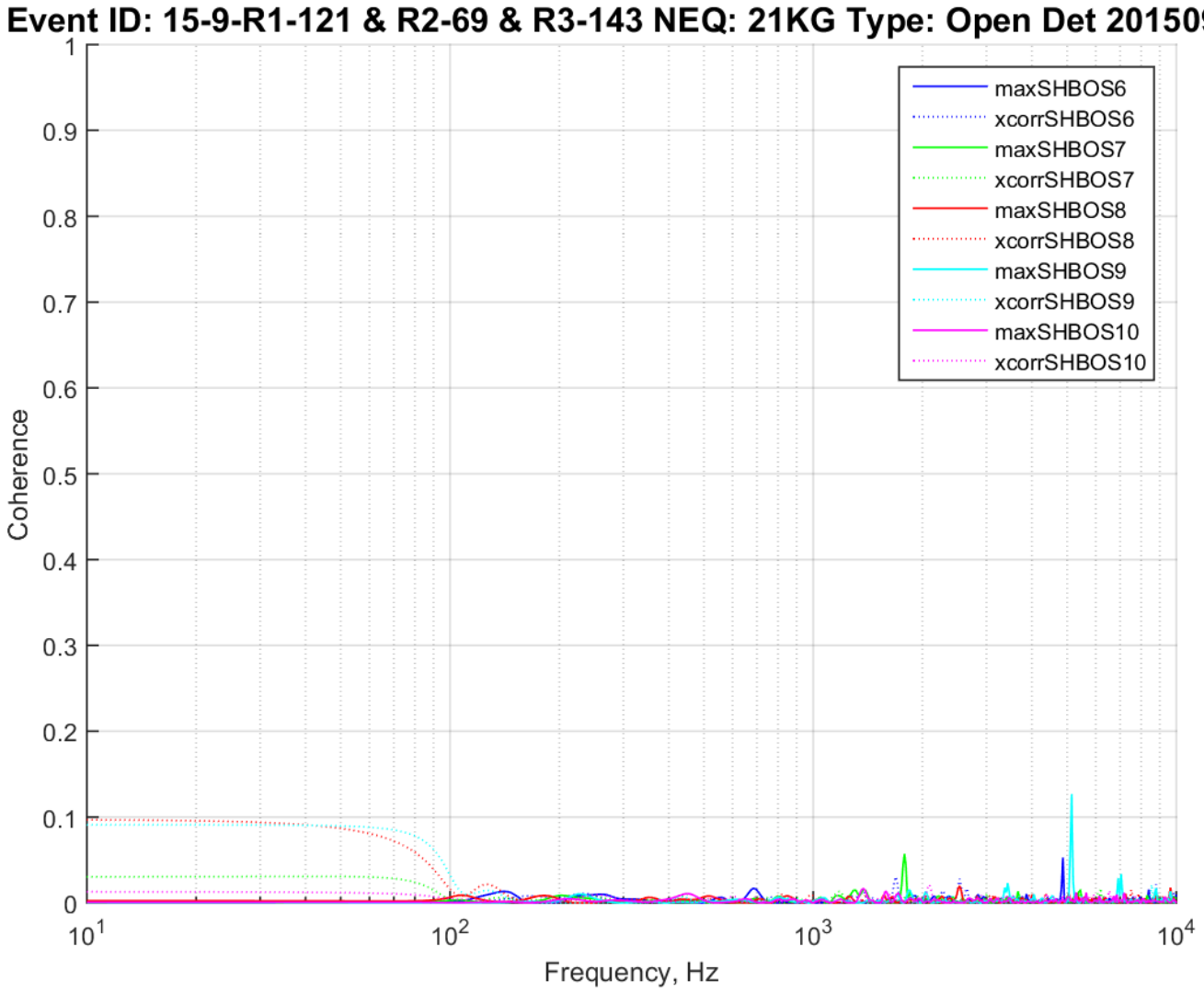


FIGURE 2.974: COHERENCE SHB_OS 6 - 10 15-9-R1-121 & R2-69 & R3-143CTD

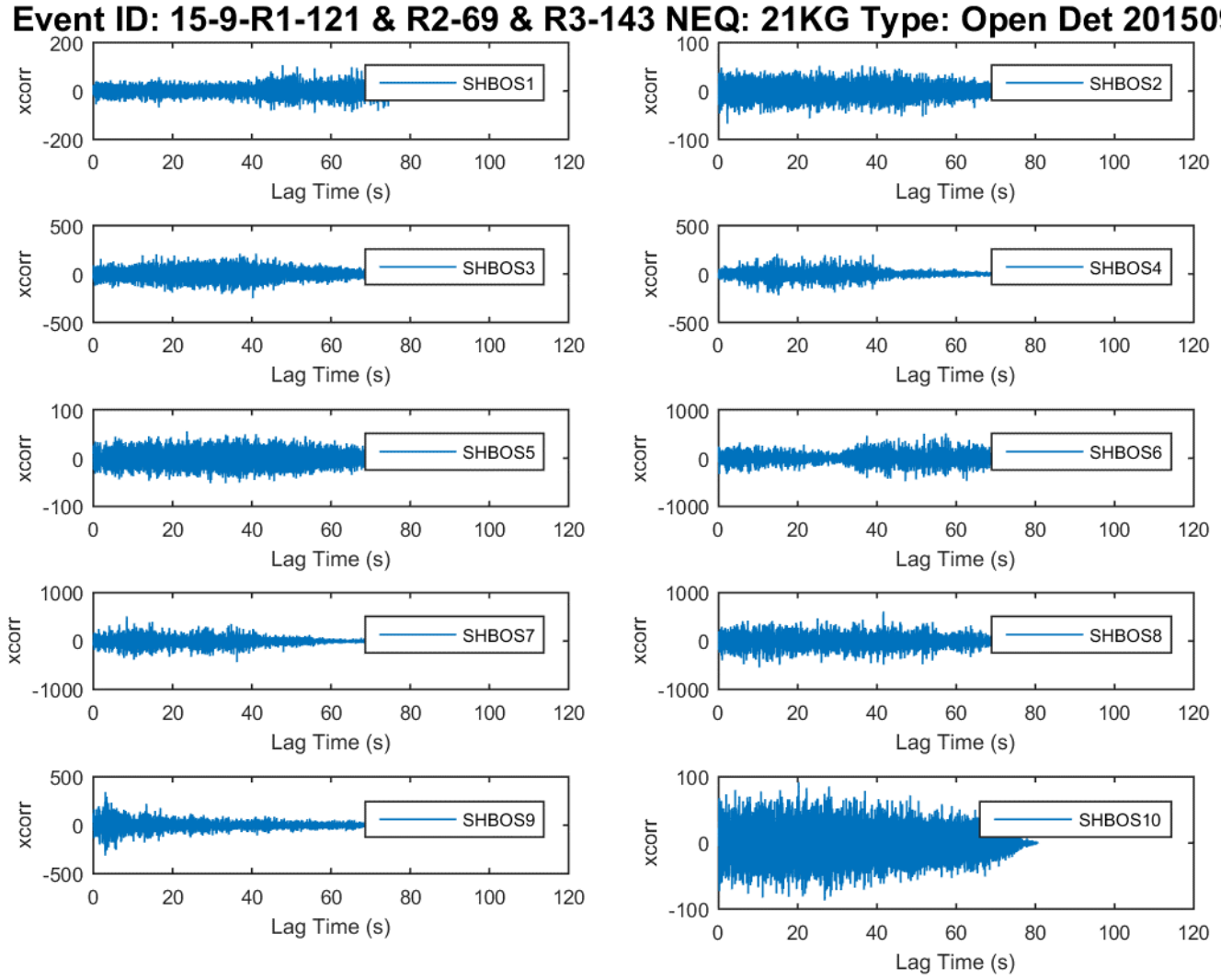


FIGURE 2.975: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-121 & R2-69 & R3-143

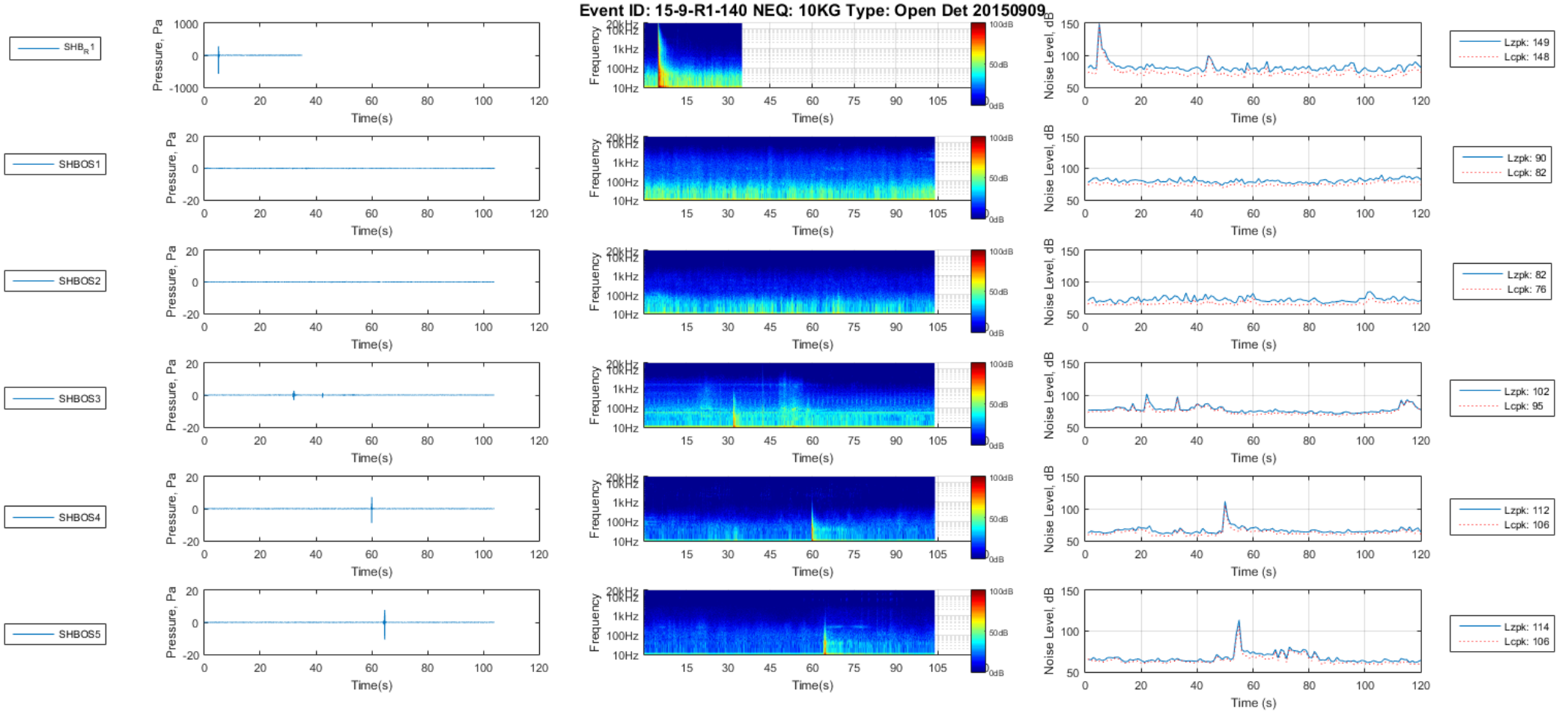


FIGURE 2.976: SHB_OS 1 - 5 15-9-R1-140

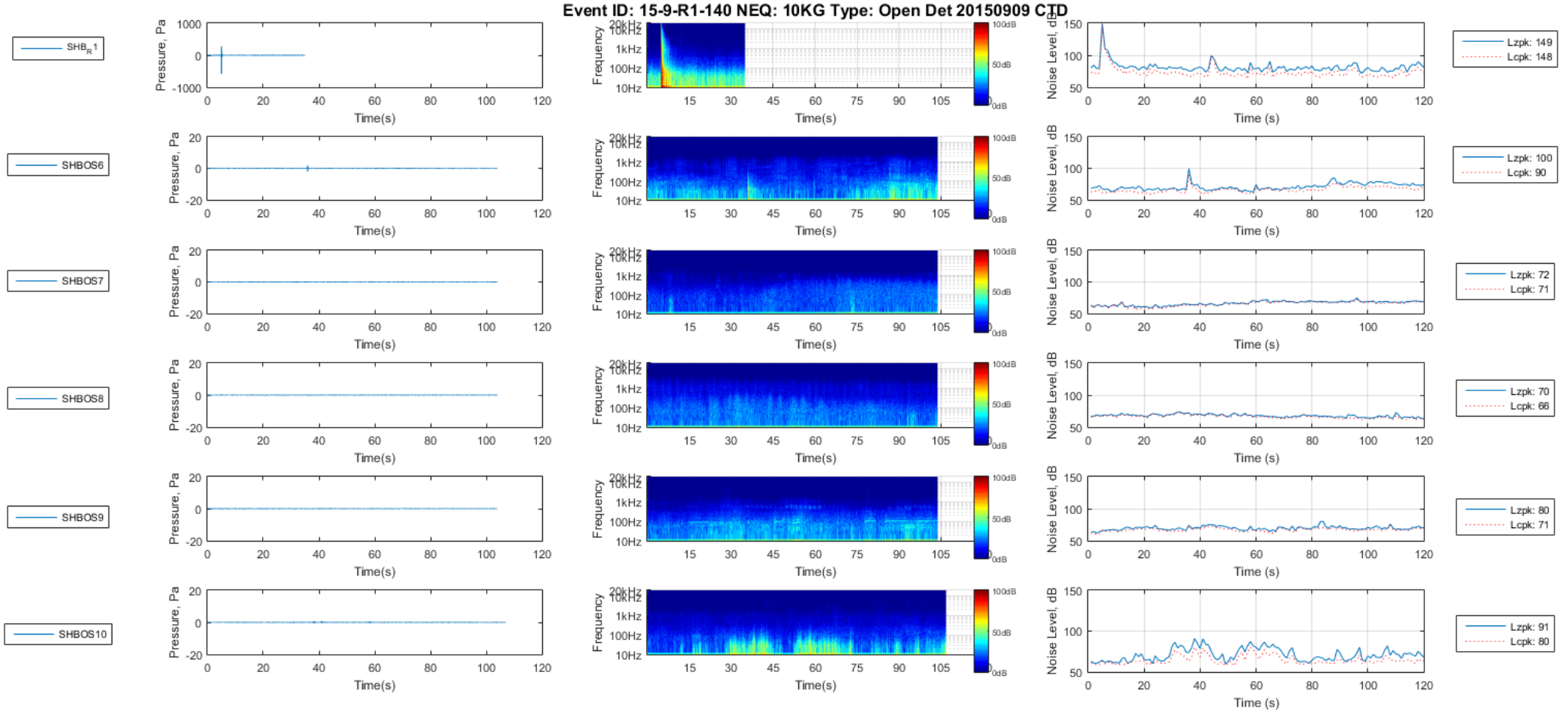


FIGURE 2.977: SHB_OS 6 - 10 15-9-R1-140

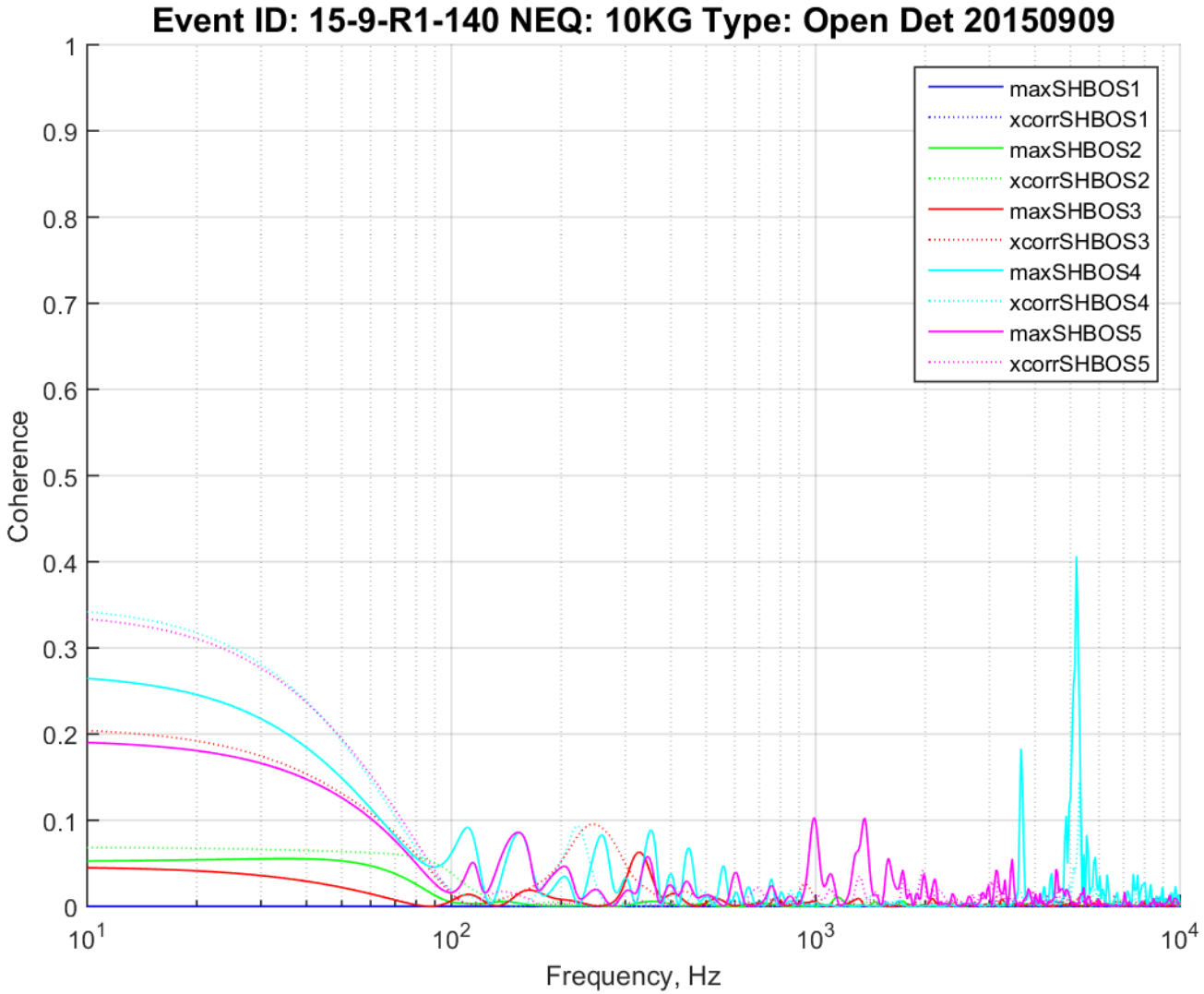


FIGURE 2.978: COHERENCE SHB_OS 1 - 5 15-9-R1-140

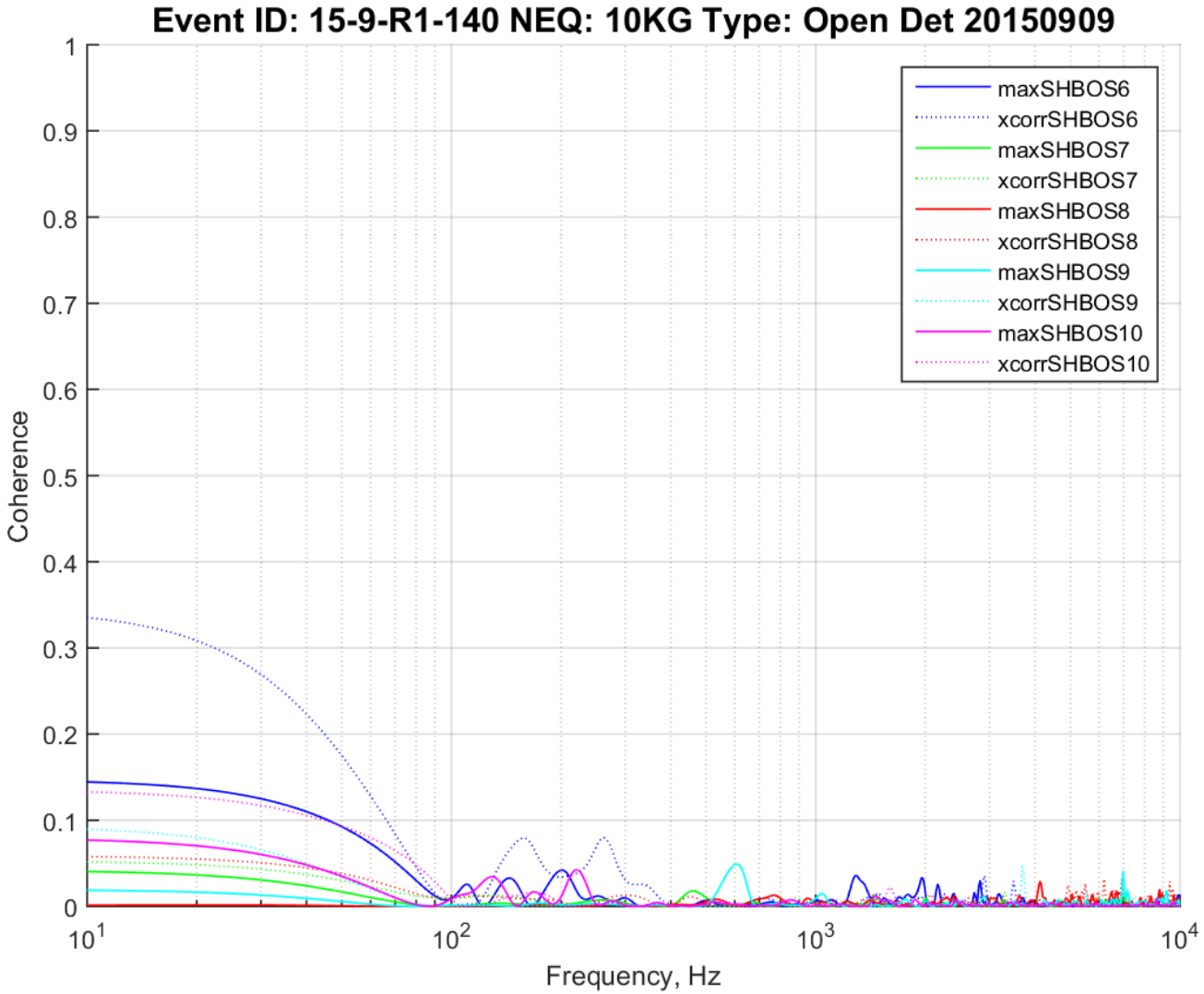


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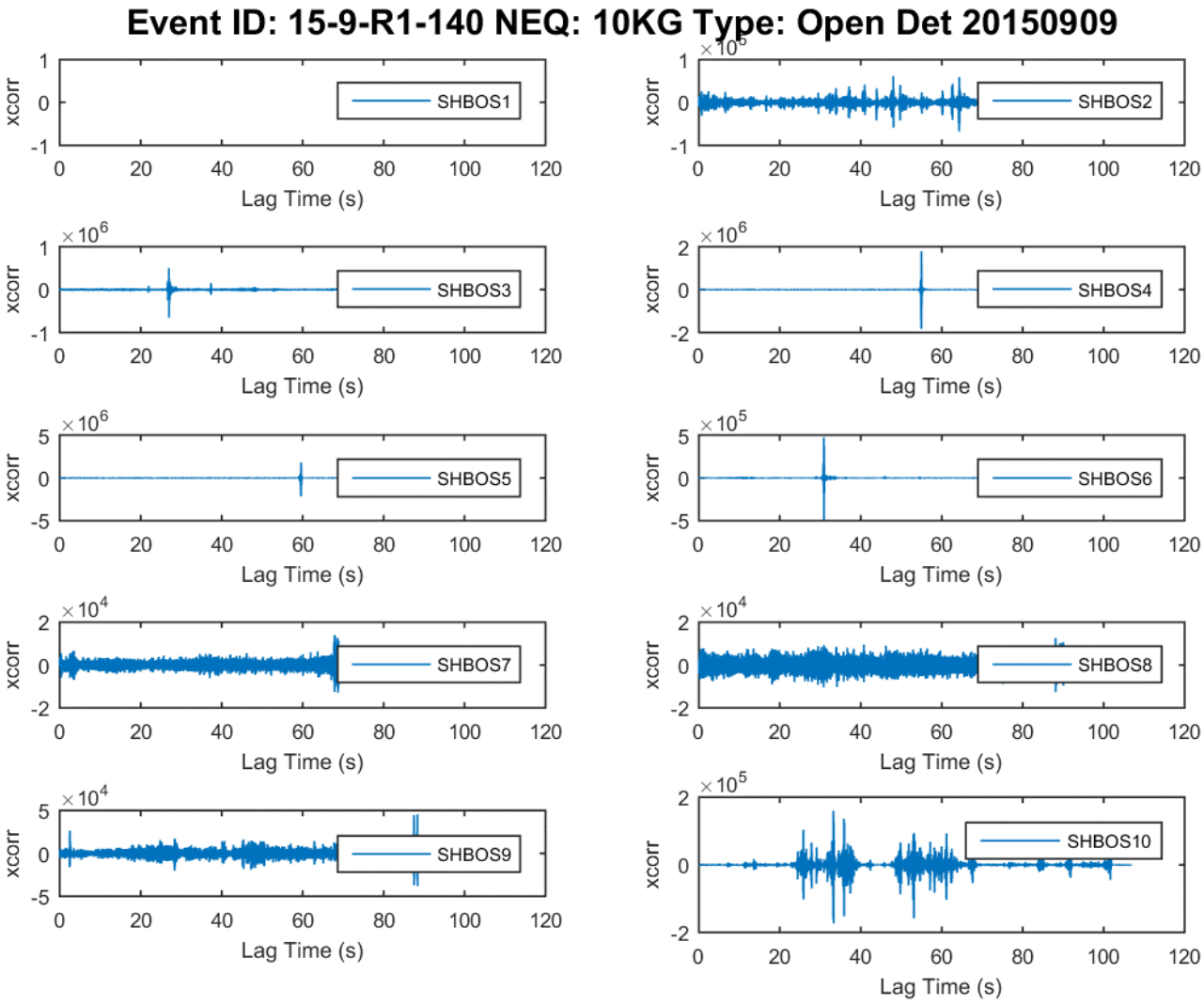


FIGURE 2.980: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-140

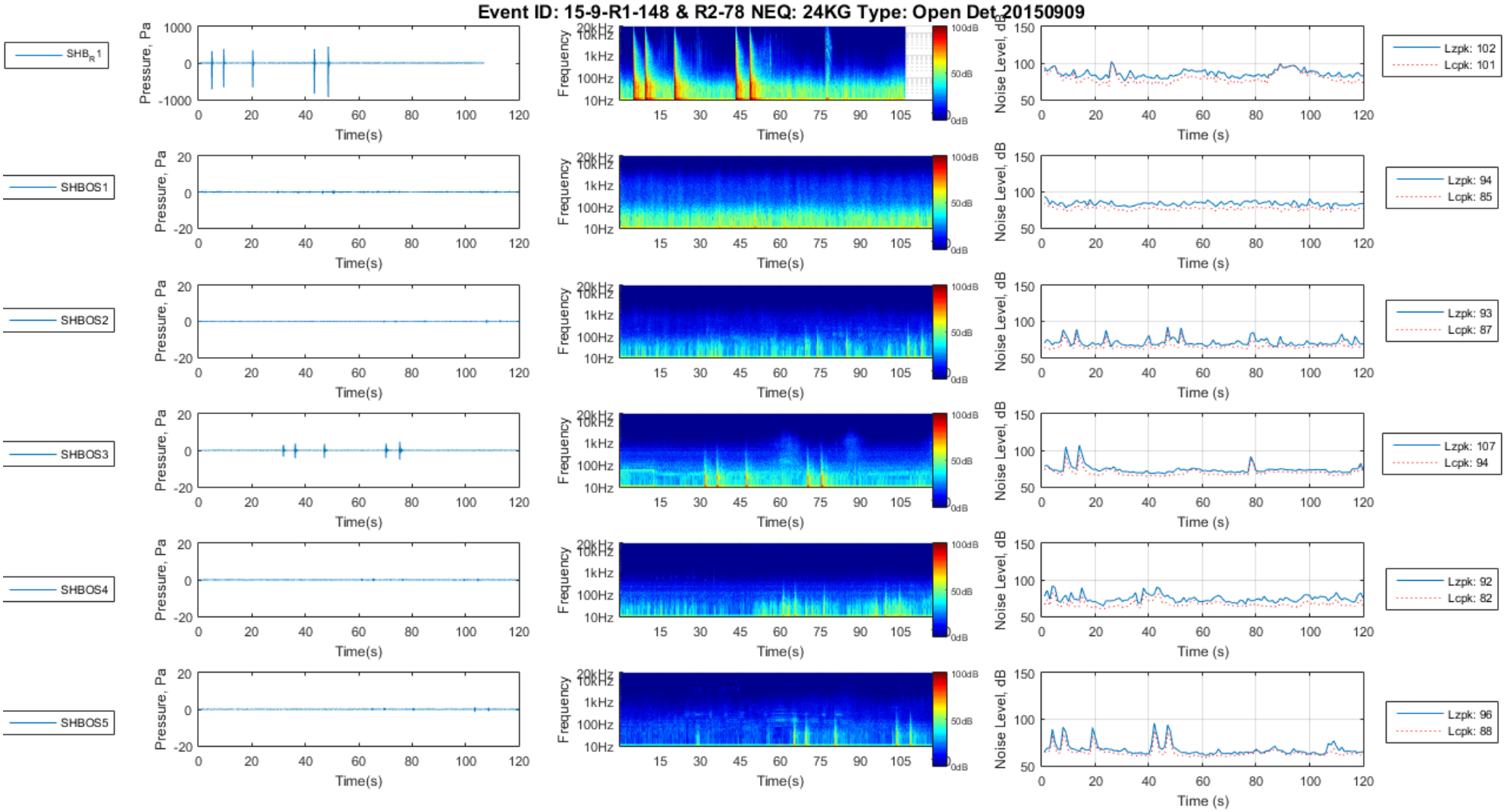


FIGURE 2.981: SHB_OS 1 - 5 15-9-R1-148 & R2-78

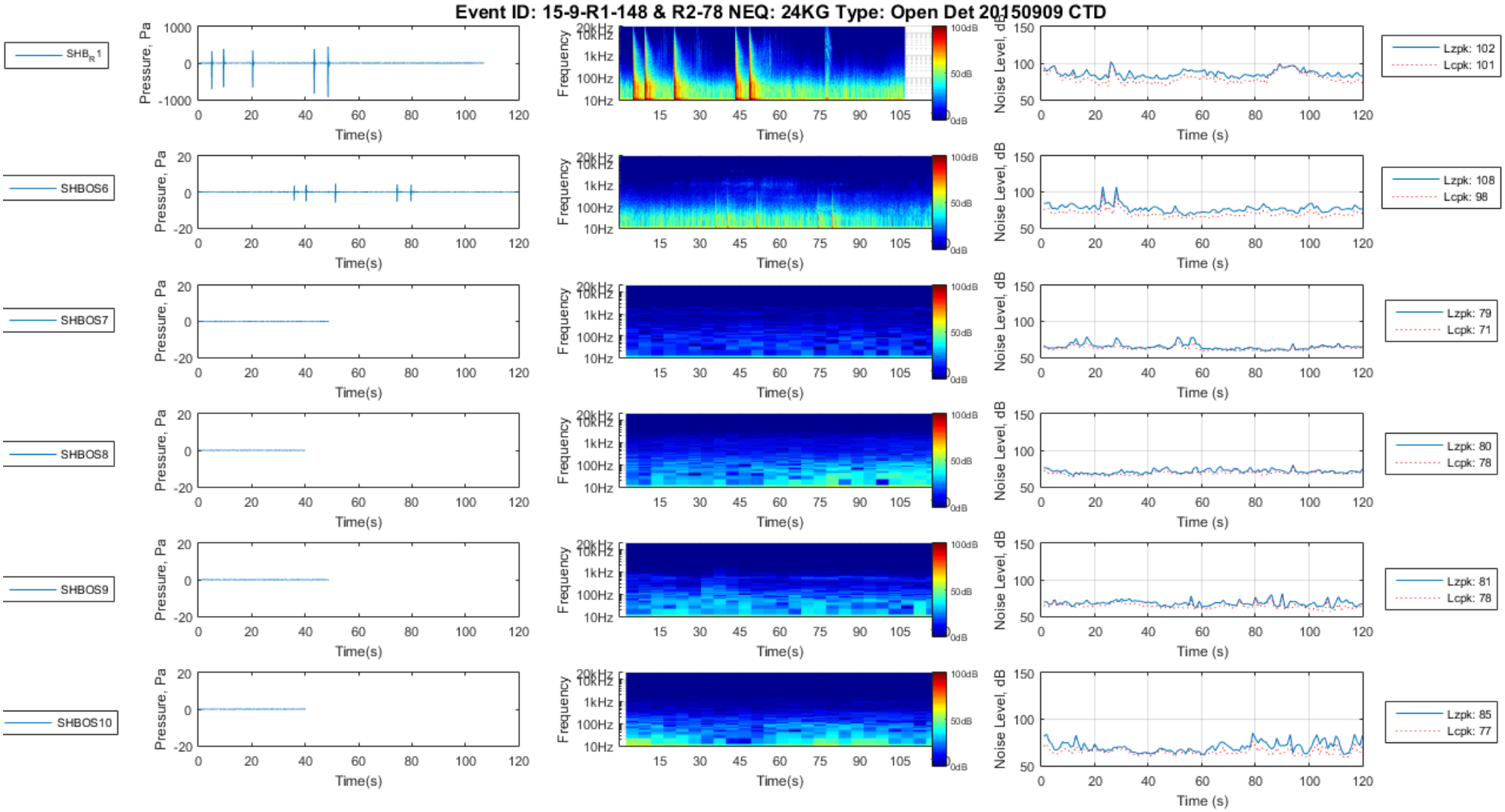


FIGURE 2.982: SHB_OS 6 - 10 15-9-R1-148 & R2-78

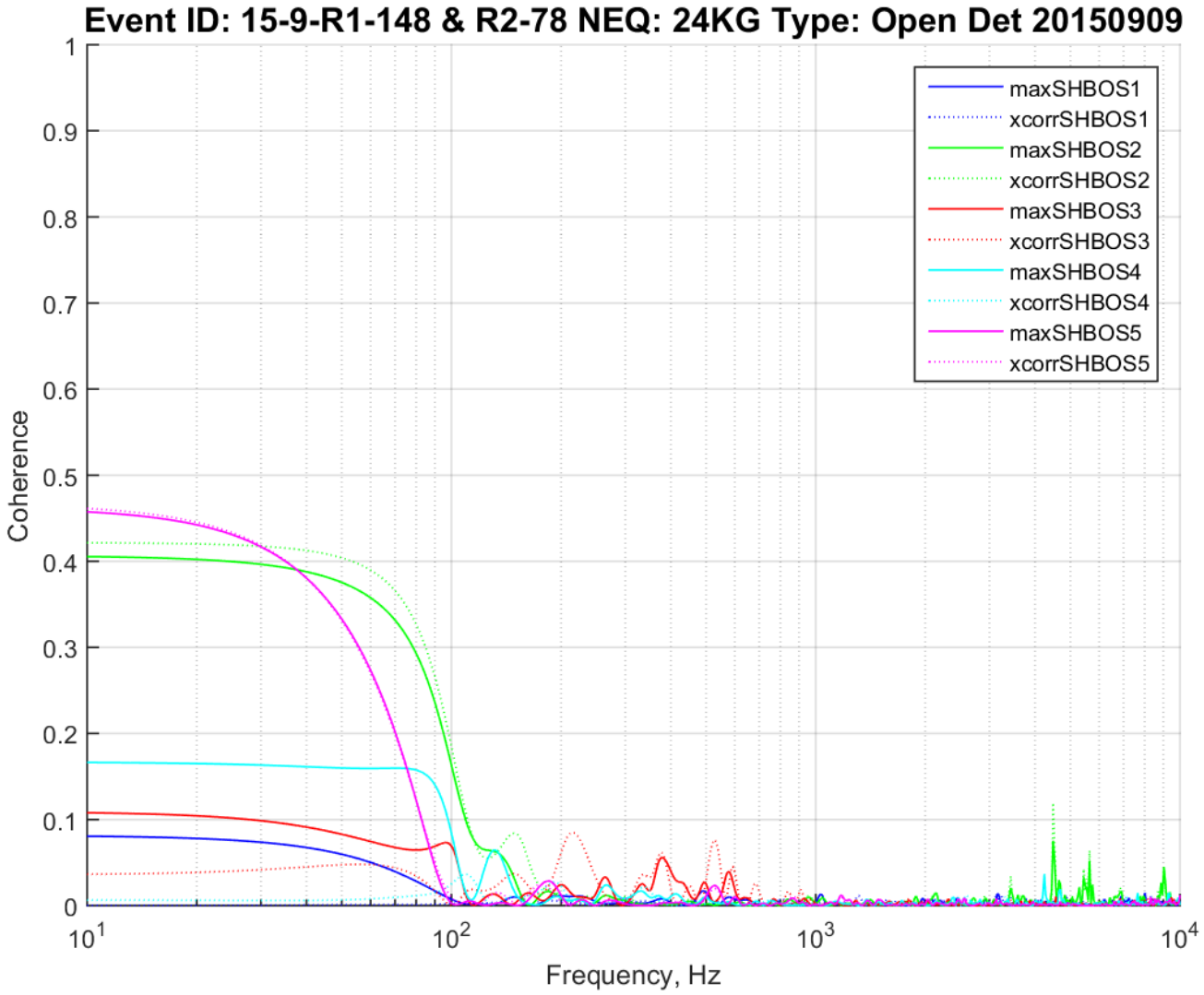


FIGURE 2.983: COHERENCE SHB_OS 1 - 5 15-9-R1-148 & R2-78

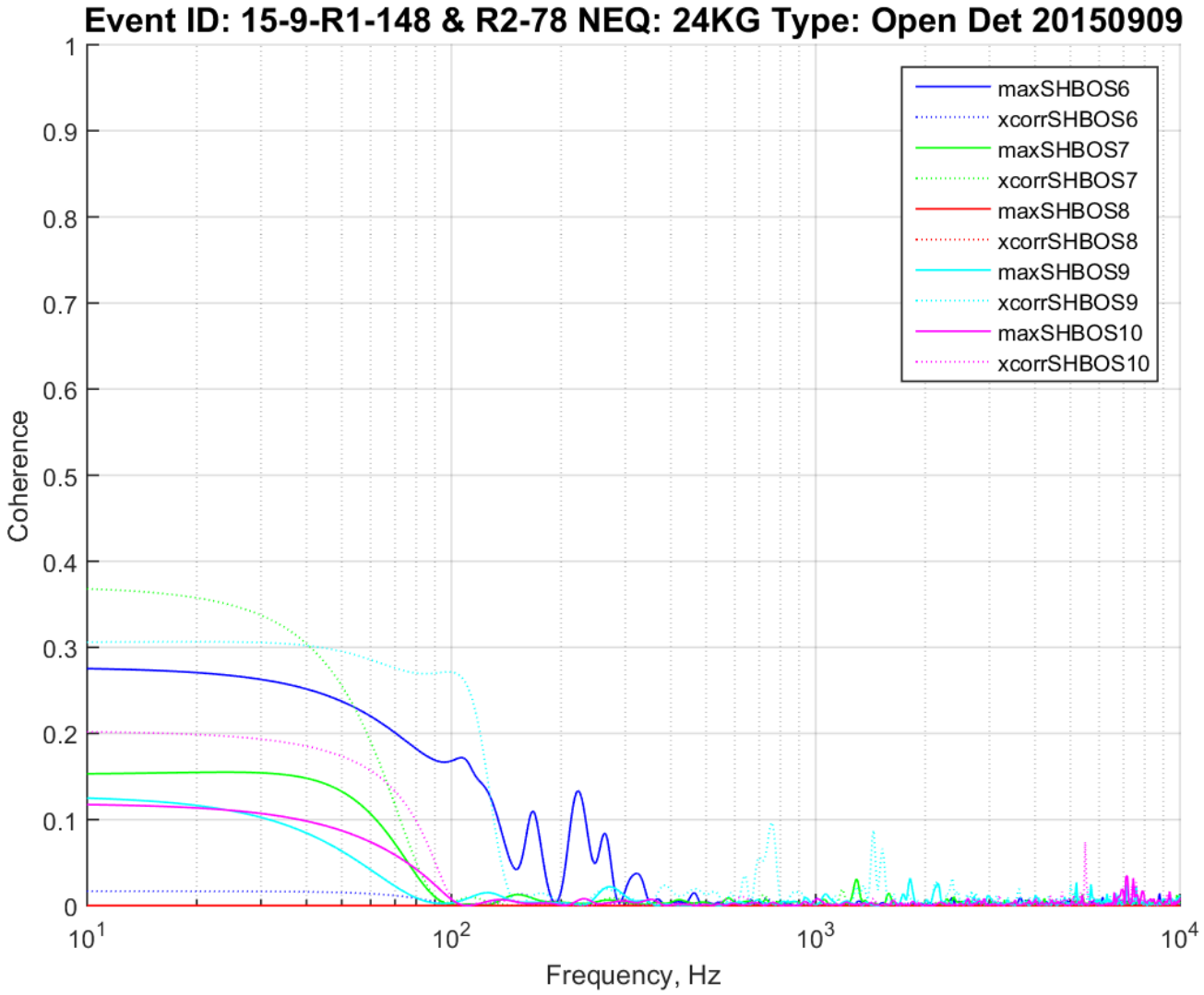


FIGURE 2.984: COHERENCE SHB_OS 6 - 10 15-9-R1-148 & R2-78CTD

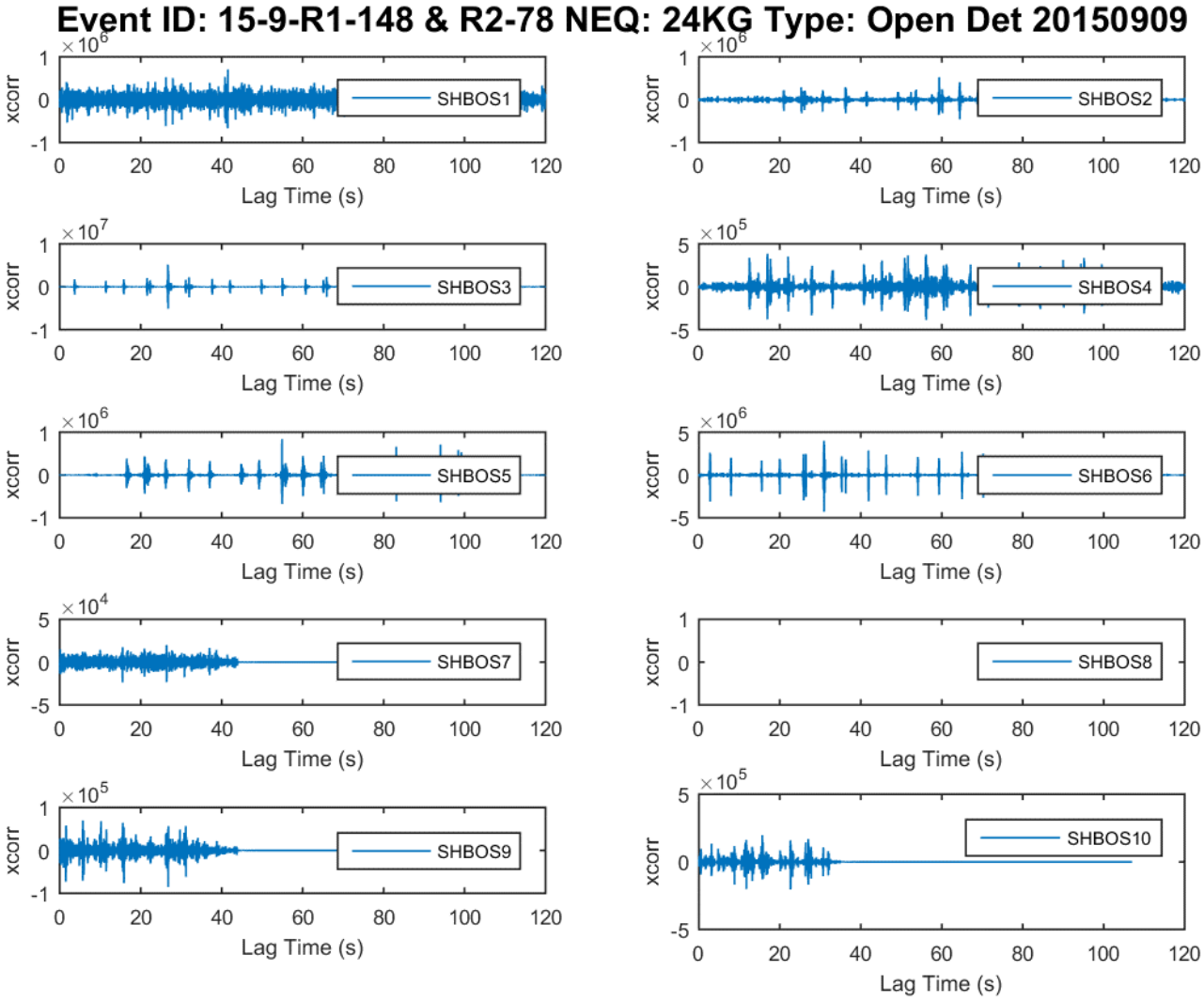


FIGURE 2.985: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-148 & R2-78

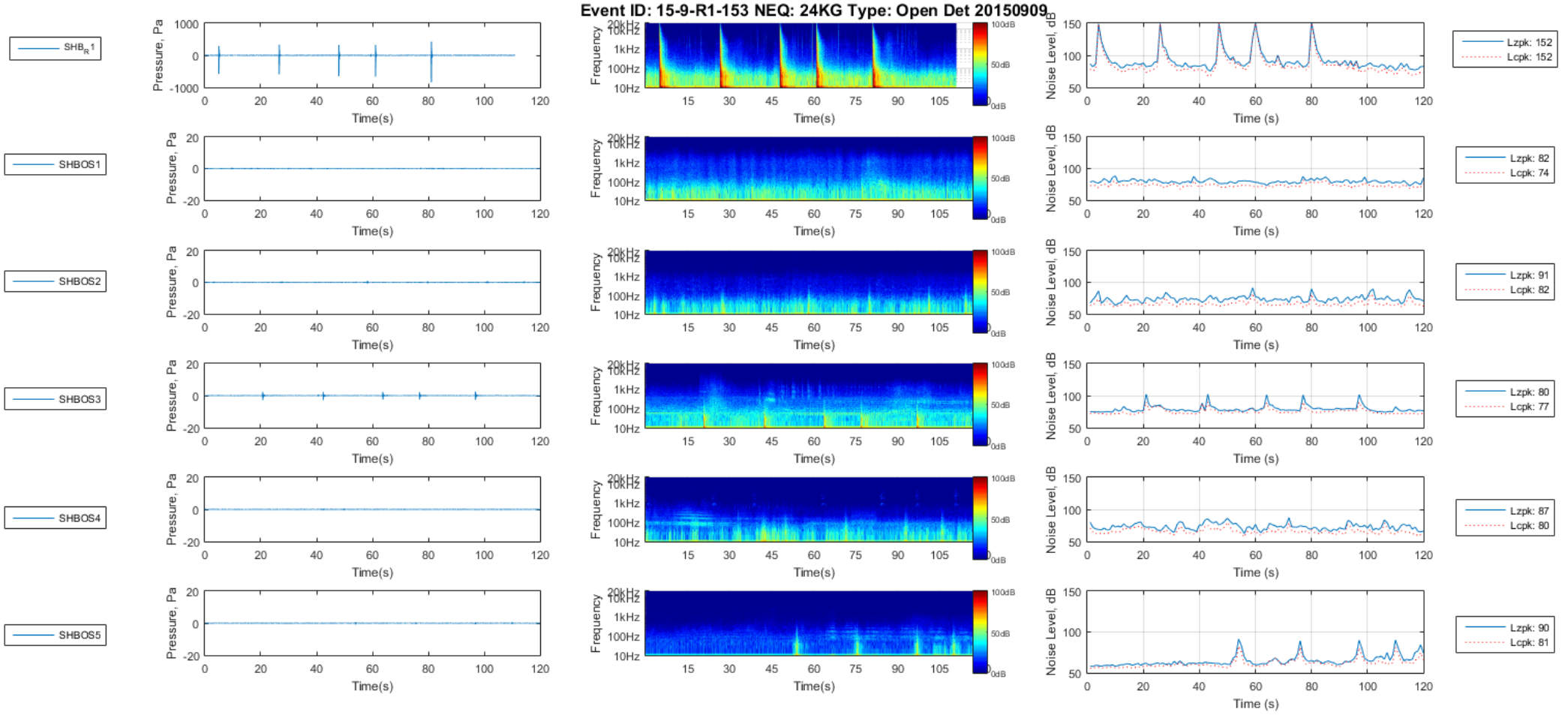


FIGURE 2.986: SHB_OS 1 - 5 15-9-R1-153

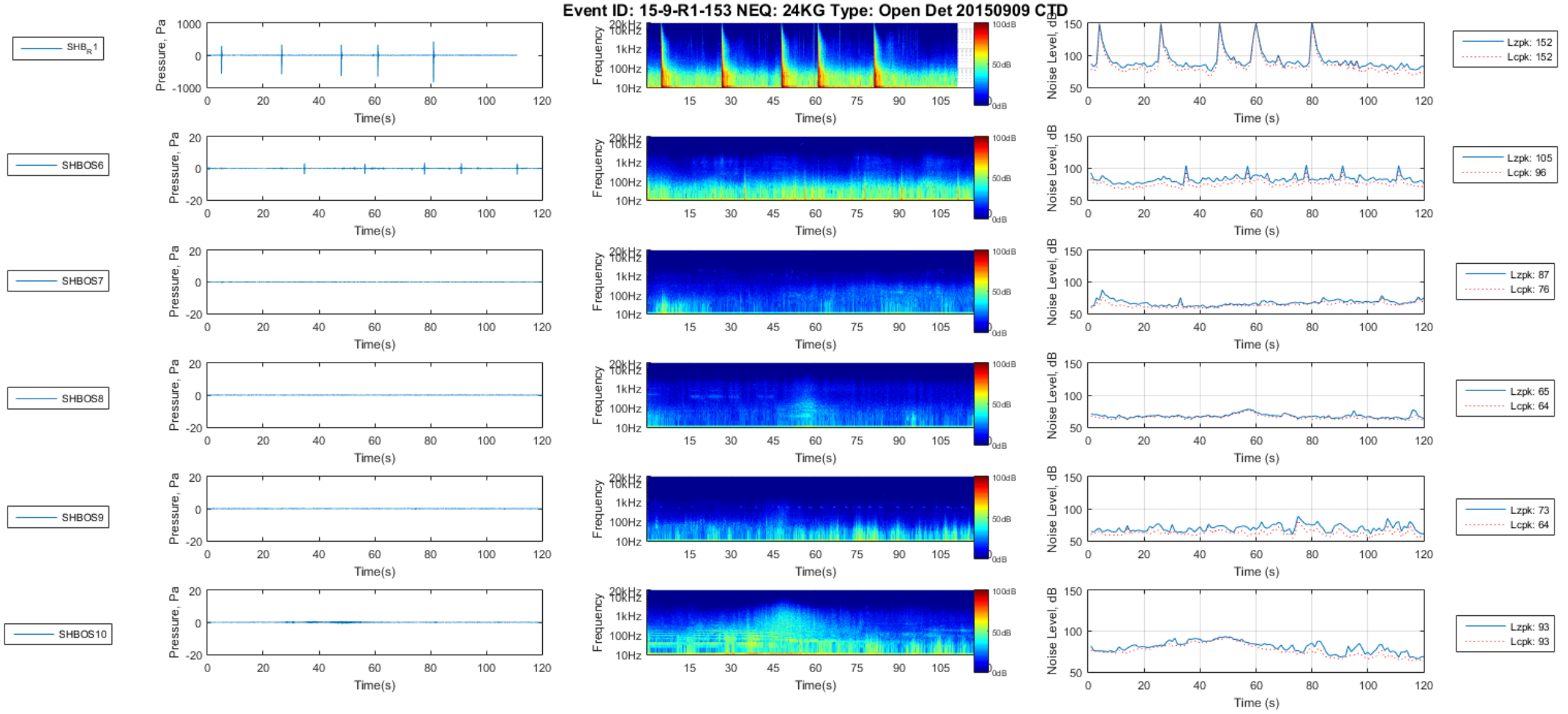


FIGURE 2.987: SHB_OS 6 - 10 15-9-R1-153

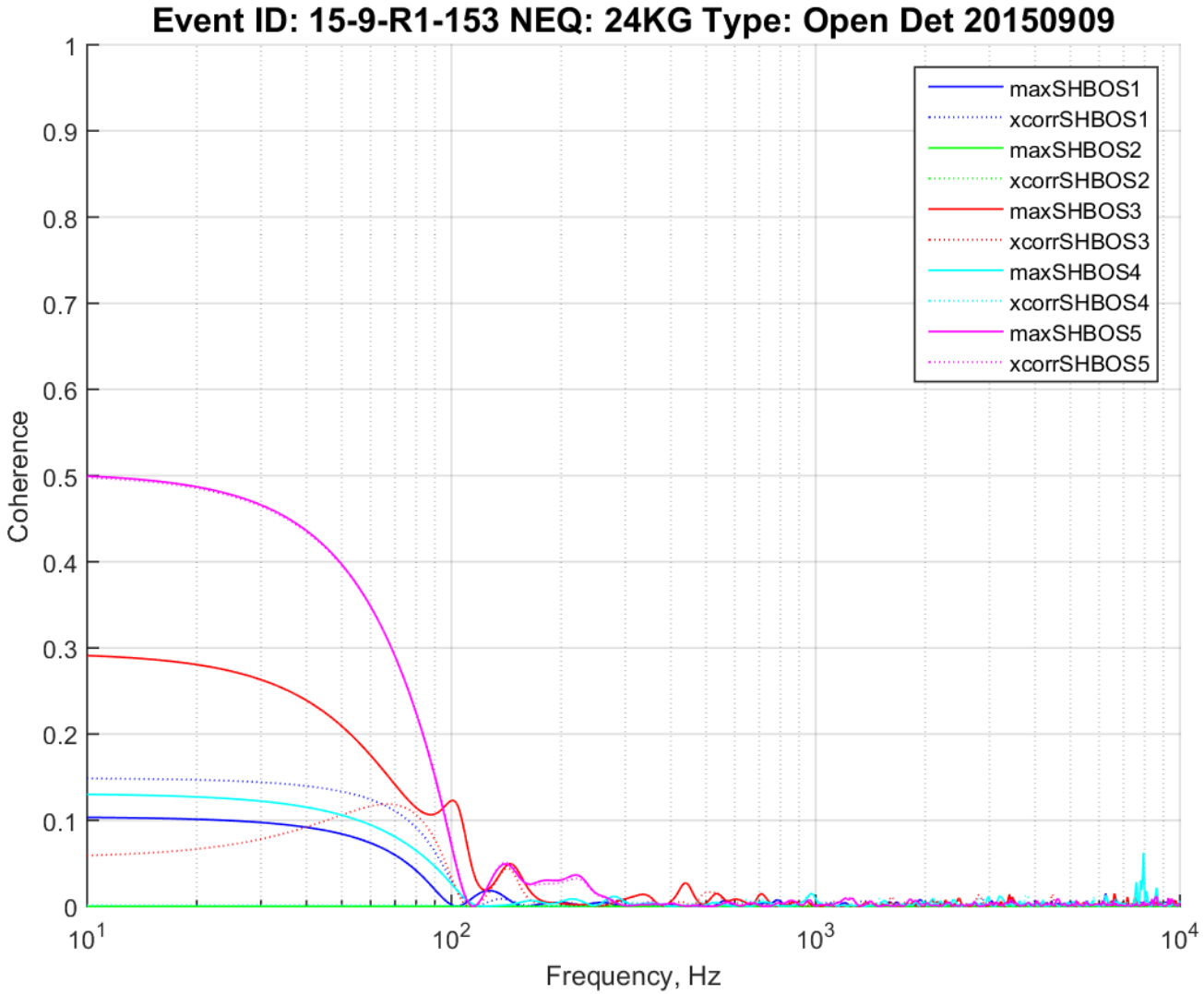


FIGURE 2.988: COHERENCE SHB_OS 1 - 5 15-9-R1-153

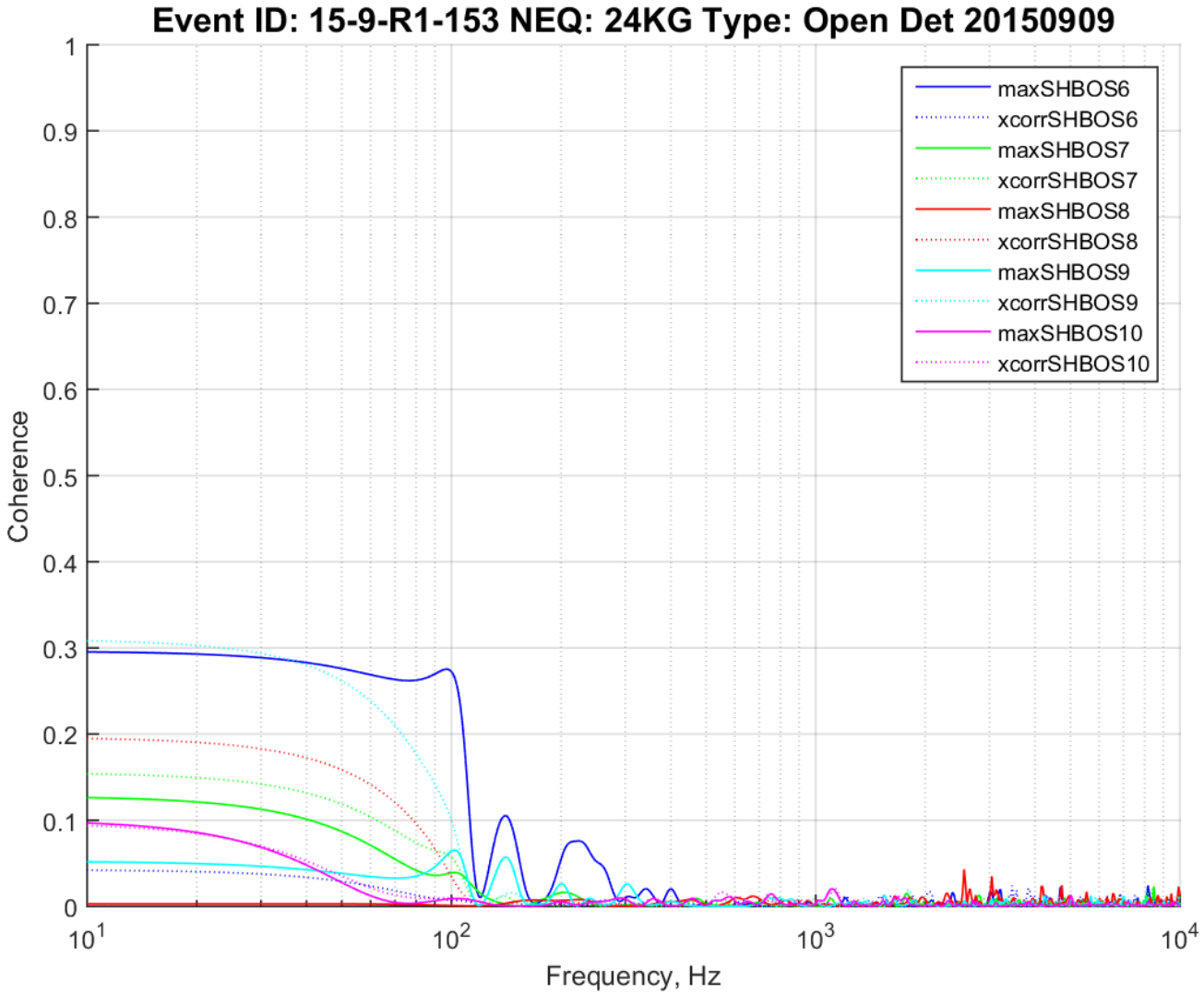


FIGURE 2.989: COHERENCE SHB_OS 6 - 10 15-9-R1-153CTD

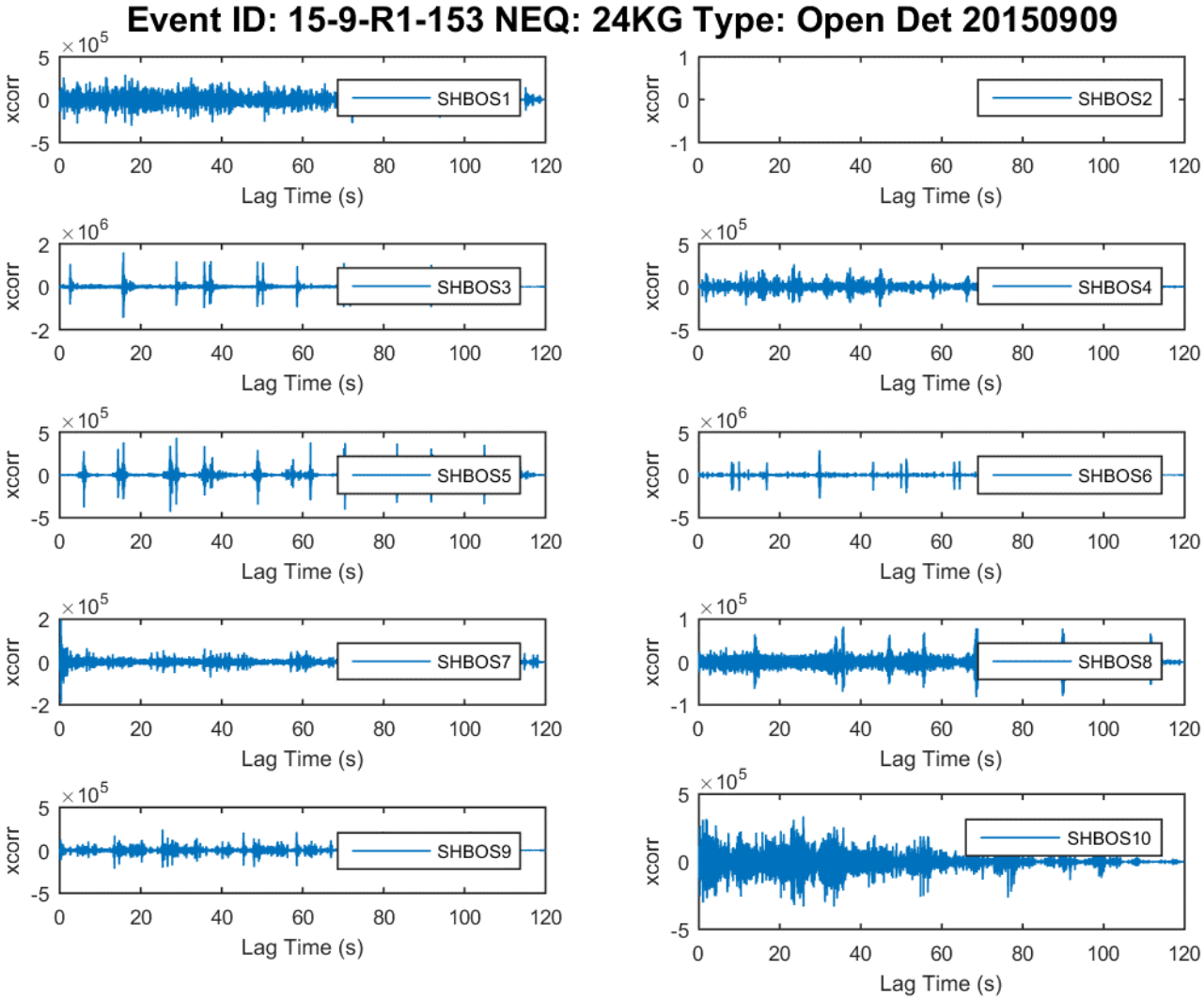


FIGURE 2.990: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-153

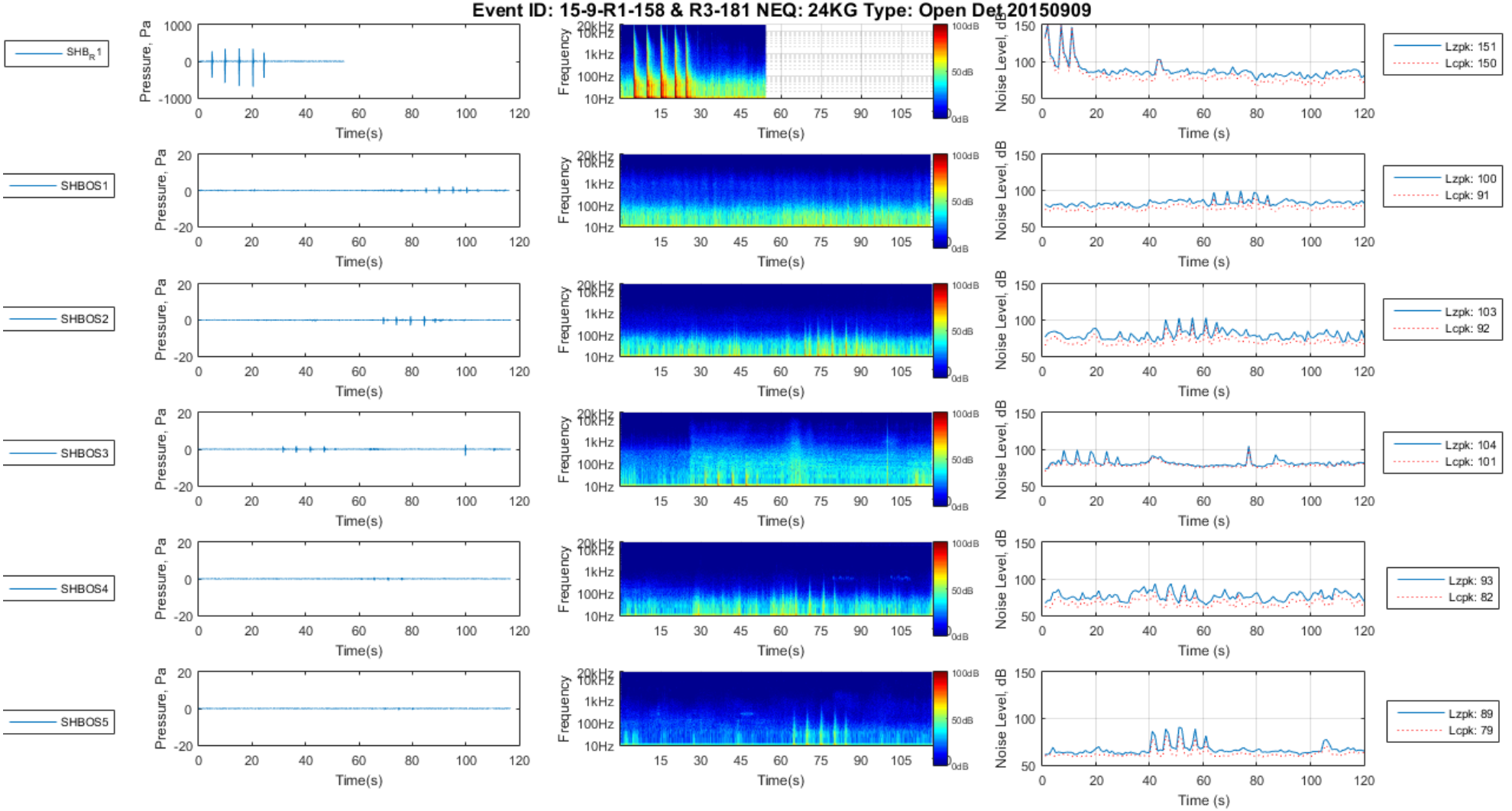


FIGURE 2.991: SHB_OS 1 - 5 15-9-R1-158 & R3-181

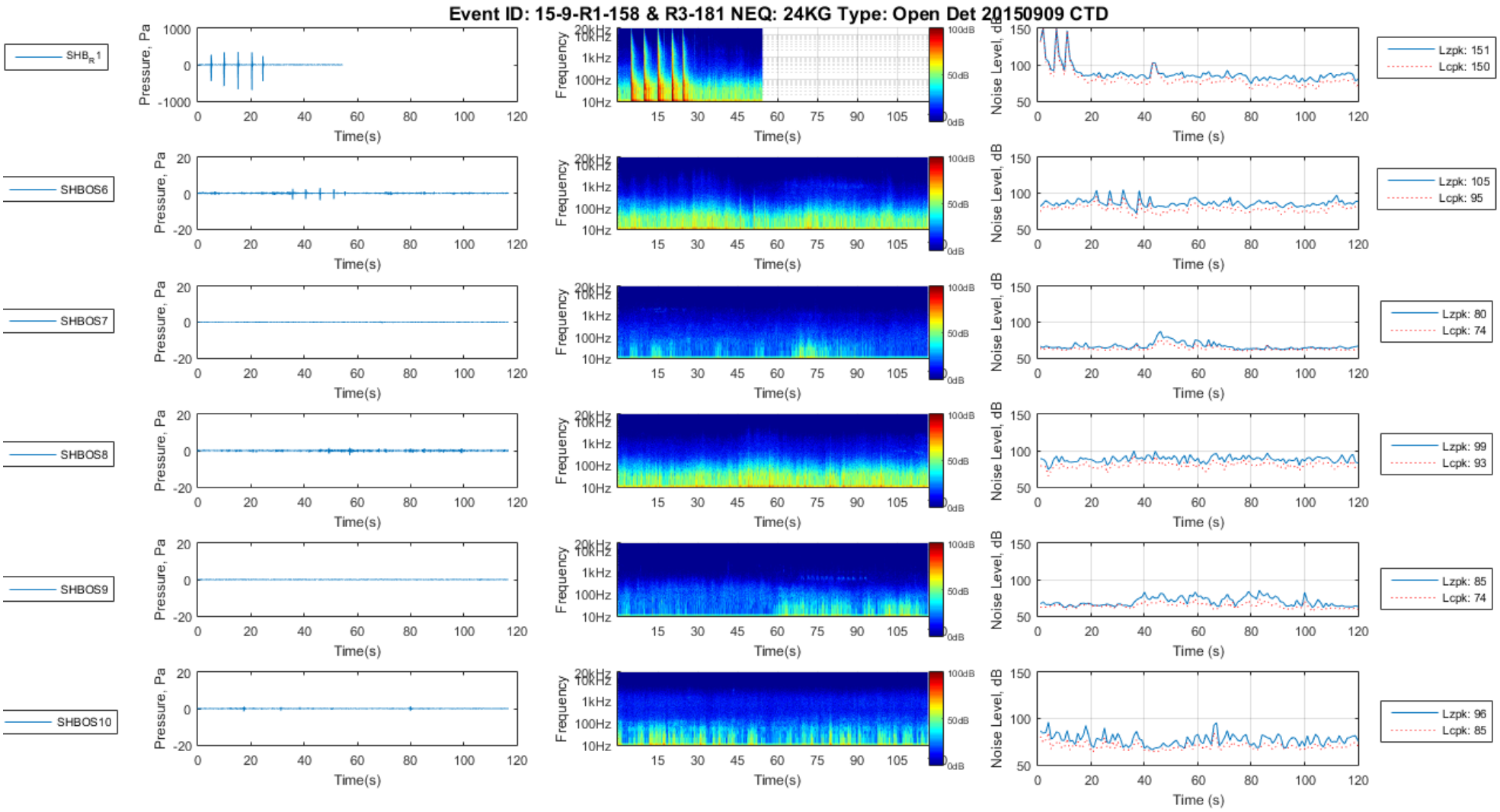


FIGURE 2.992: SHB_OS 6 - 10 15-9-R1-158 & R3-181

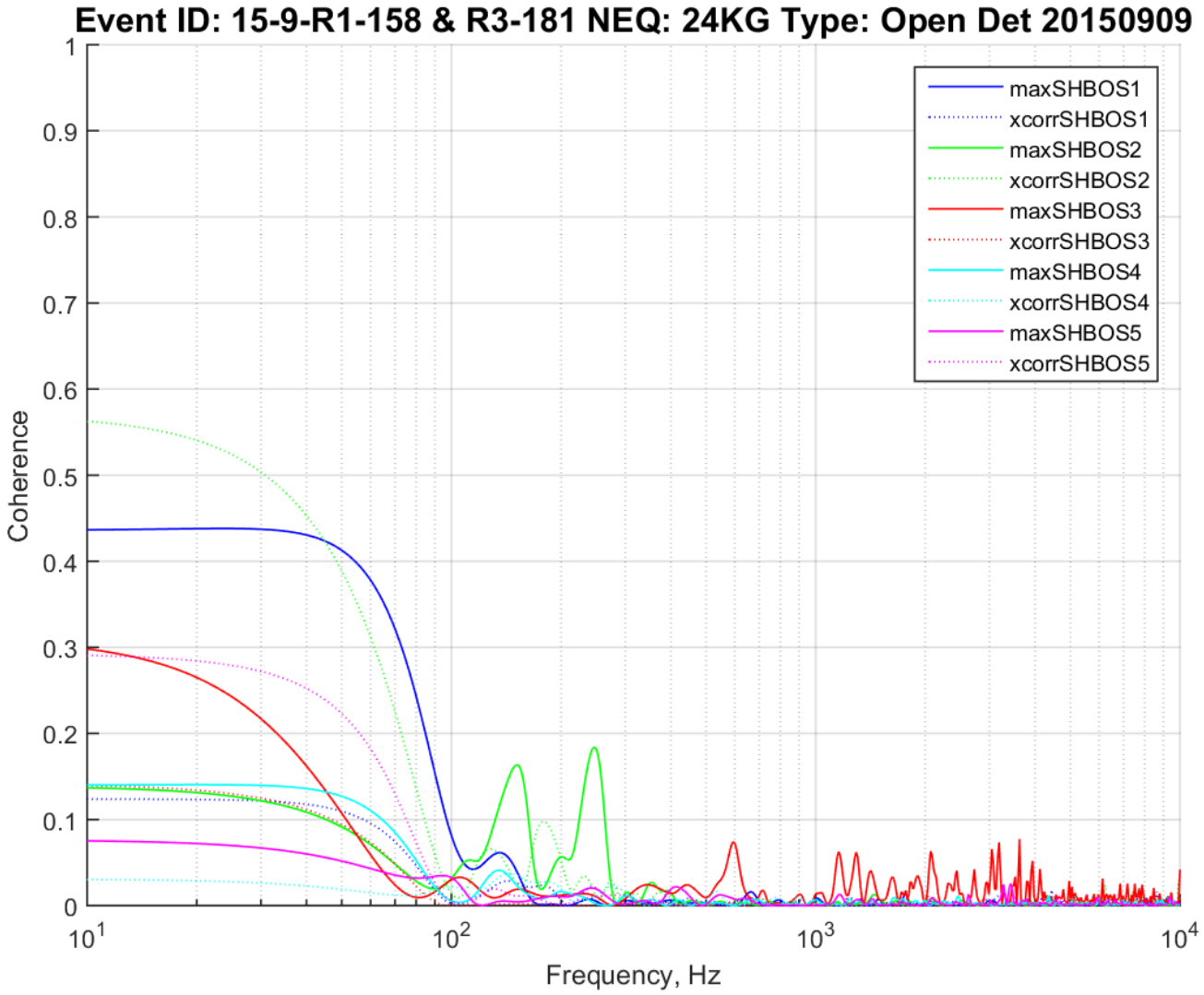


FIGURE 2.993: COHERENCE SHB_OS 1 - 5 15-9-R1-158 & R3-181

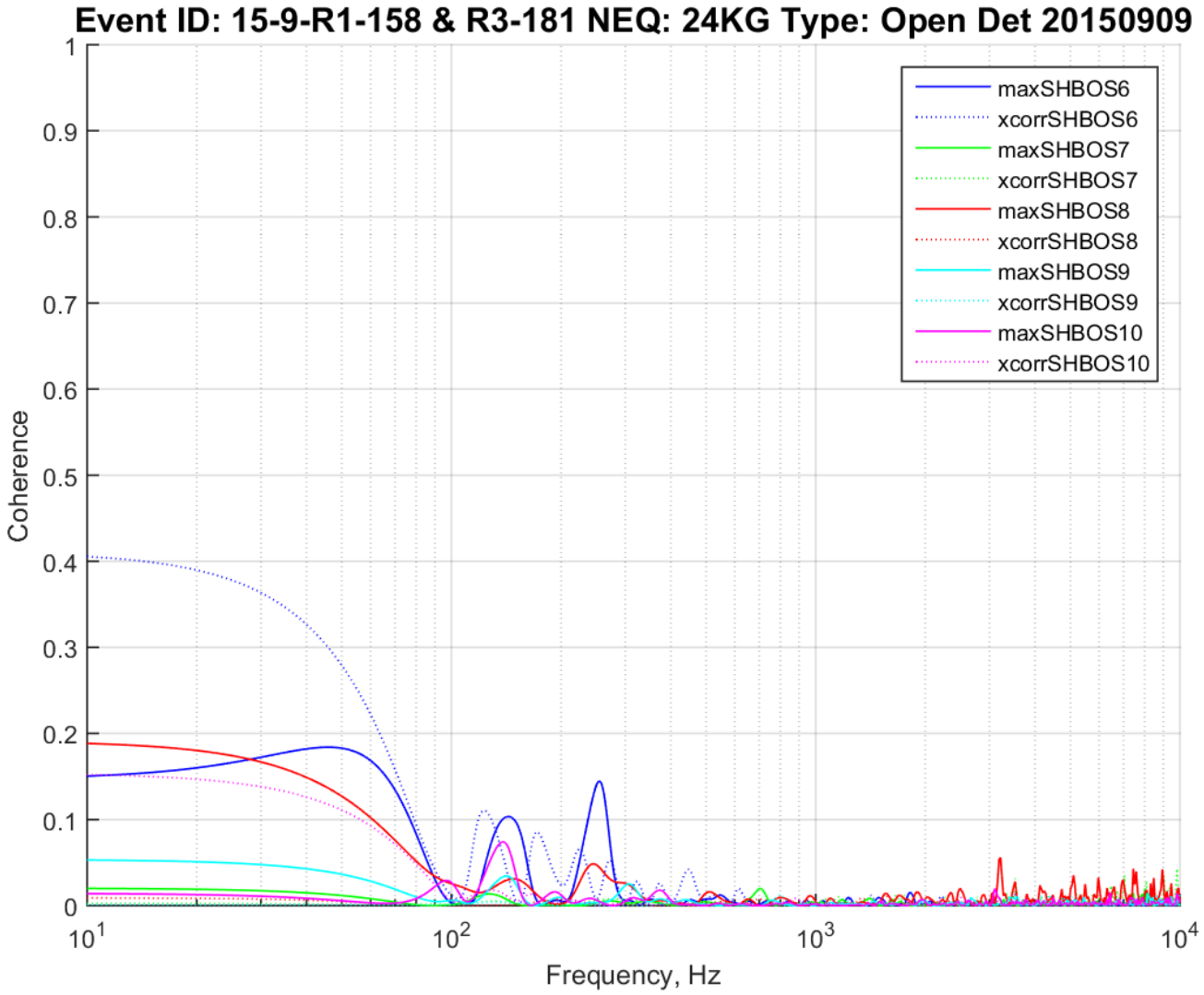


FIGURE 2.994: COHERENCE SHB_OS 6 - 10 15-9-R1-158 & R3-181CTD

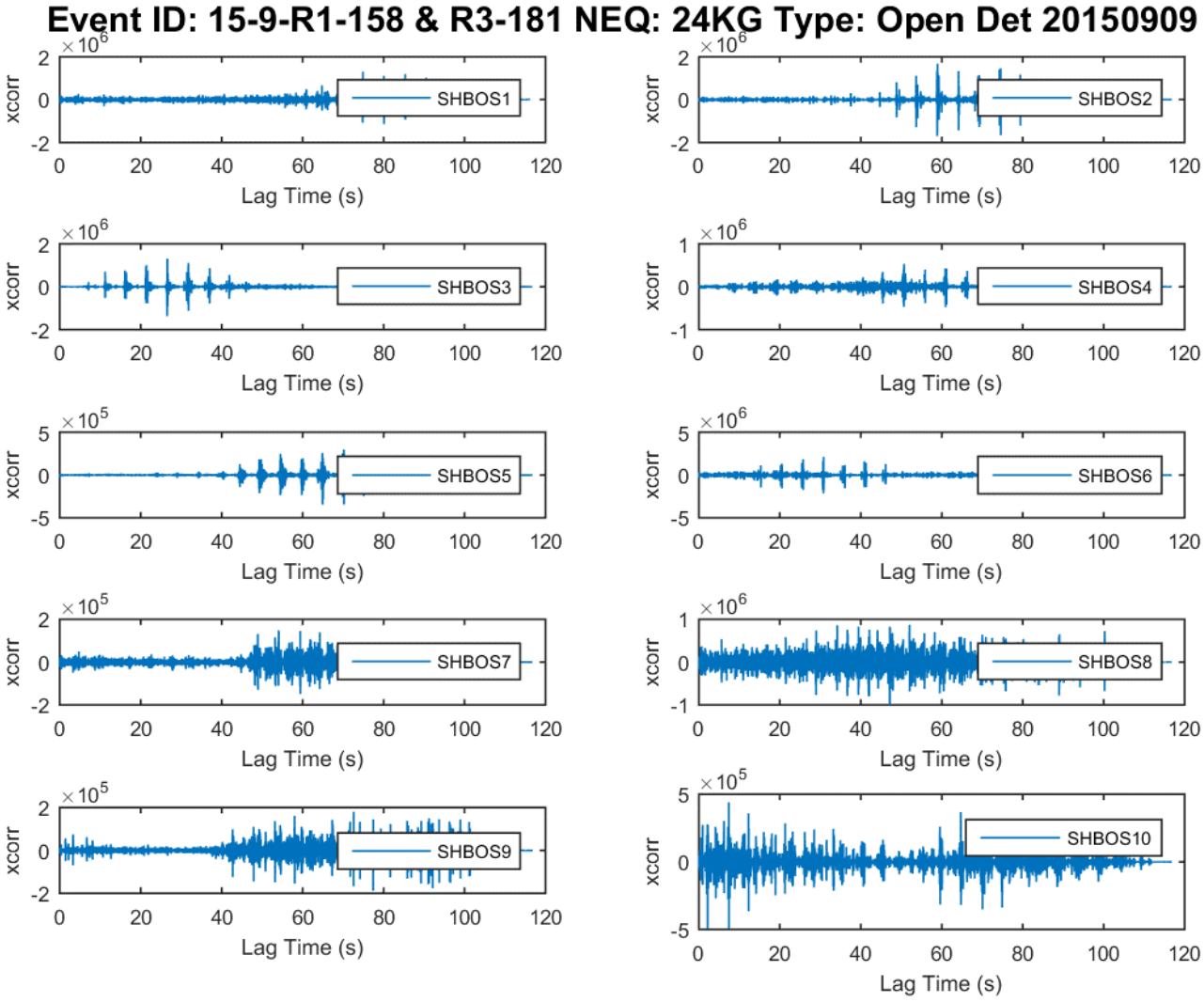


FIGURE 2.995: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-158 & R3-181

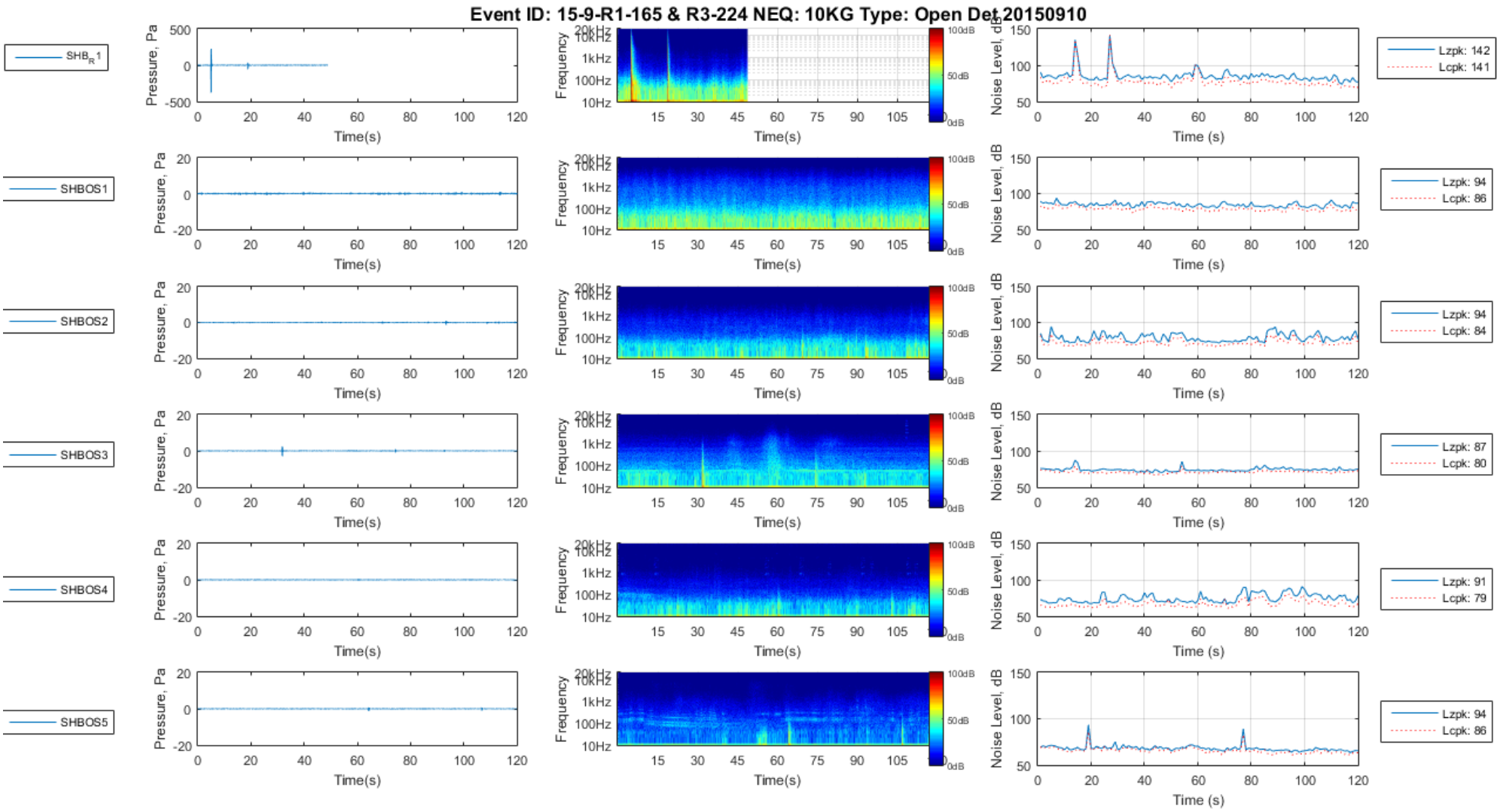


FIGURE 2.996: SHB_OS 1 - 5 15-9-R1-165 & R3-224

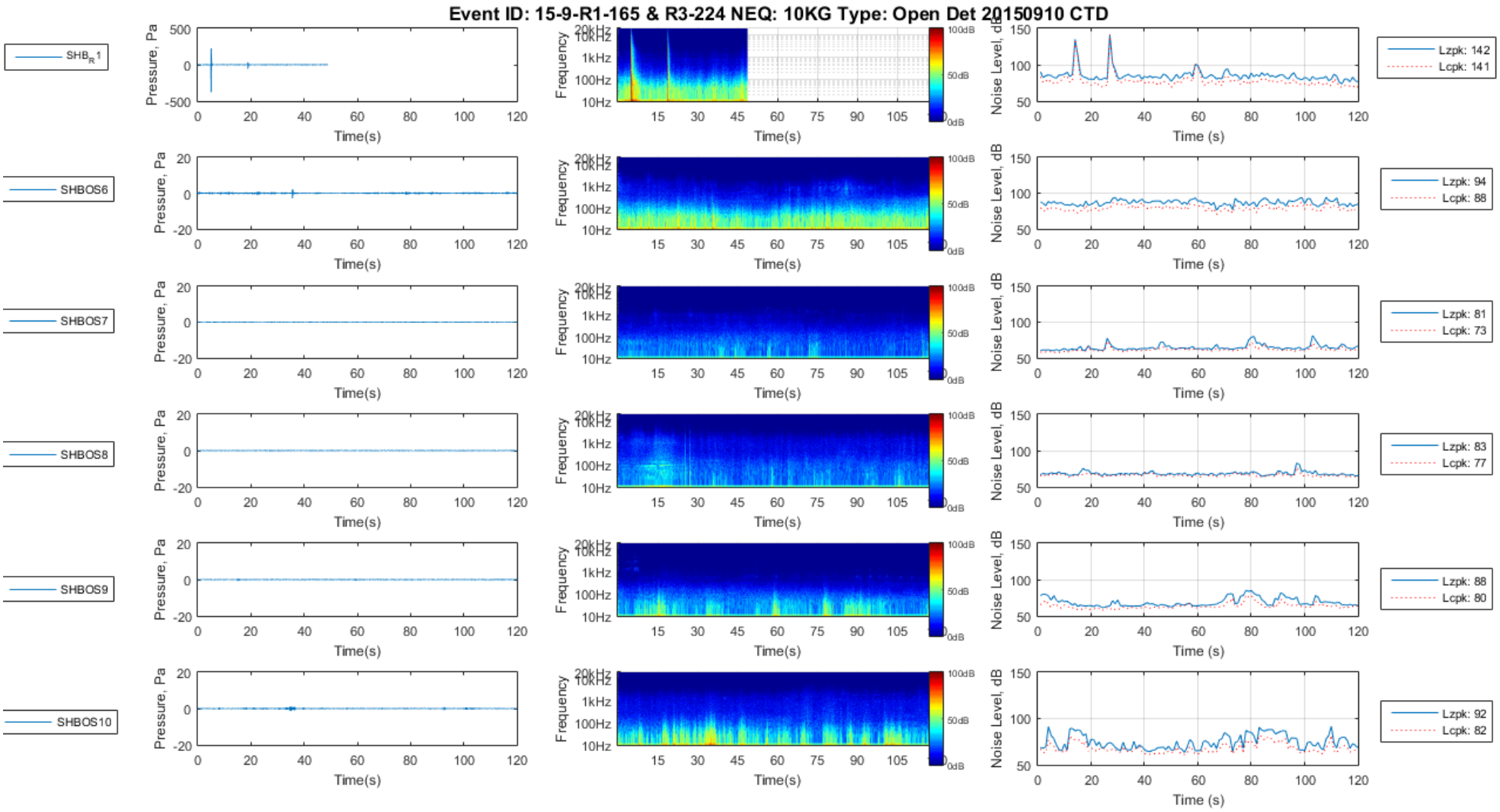


FIGURE 2.997: SHB_OS 6 - 10 15-9-R1-165 & R3-224

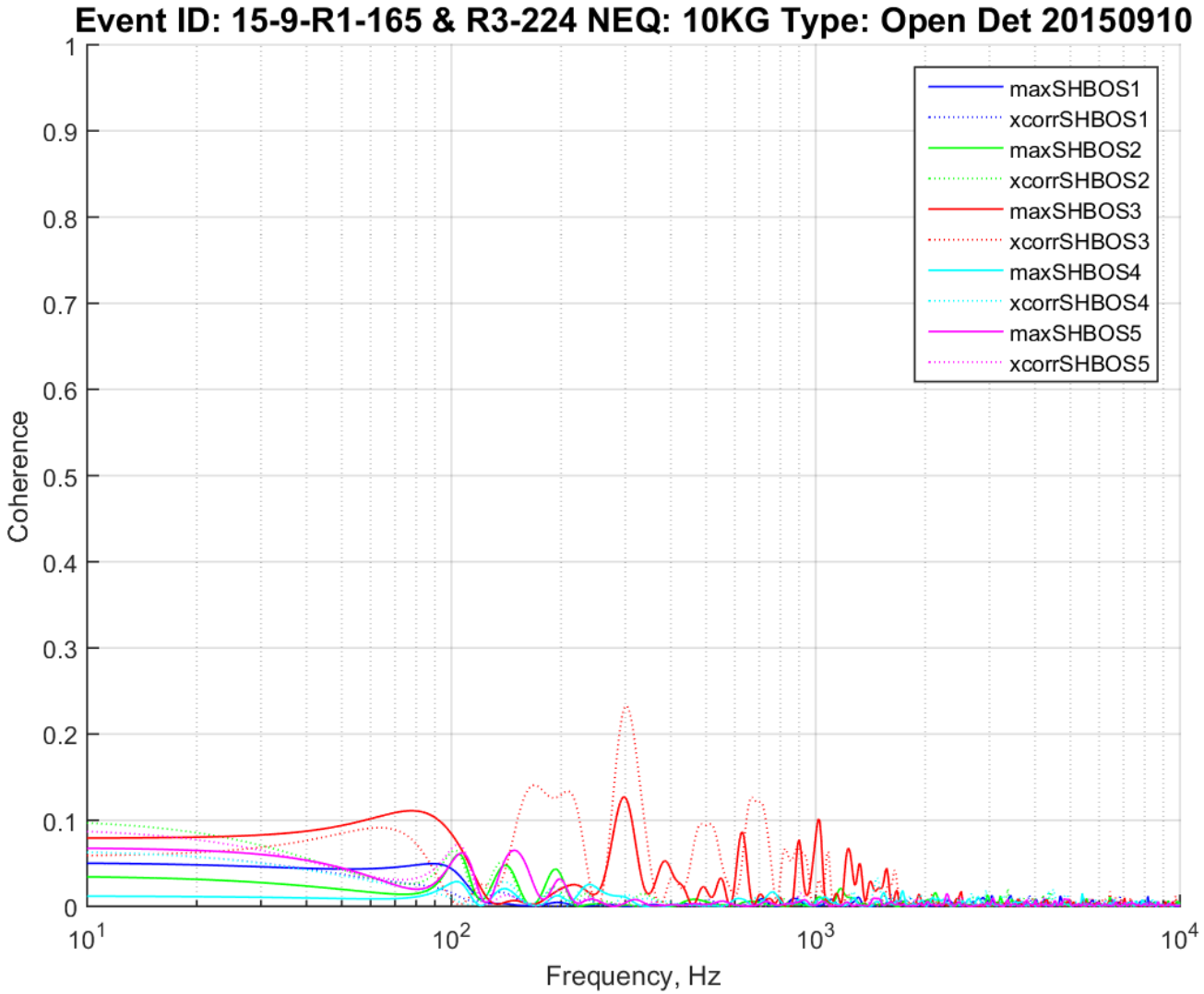


FIGURE 2.998: COHERENCE SHB_OS 1 - 5 15-9-R1-165 & R3-224

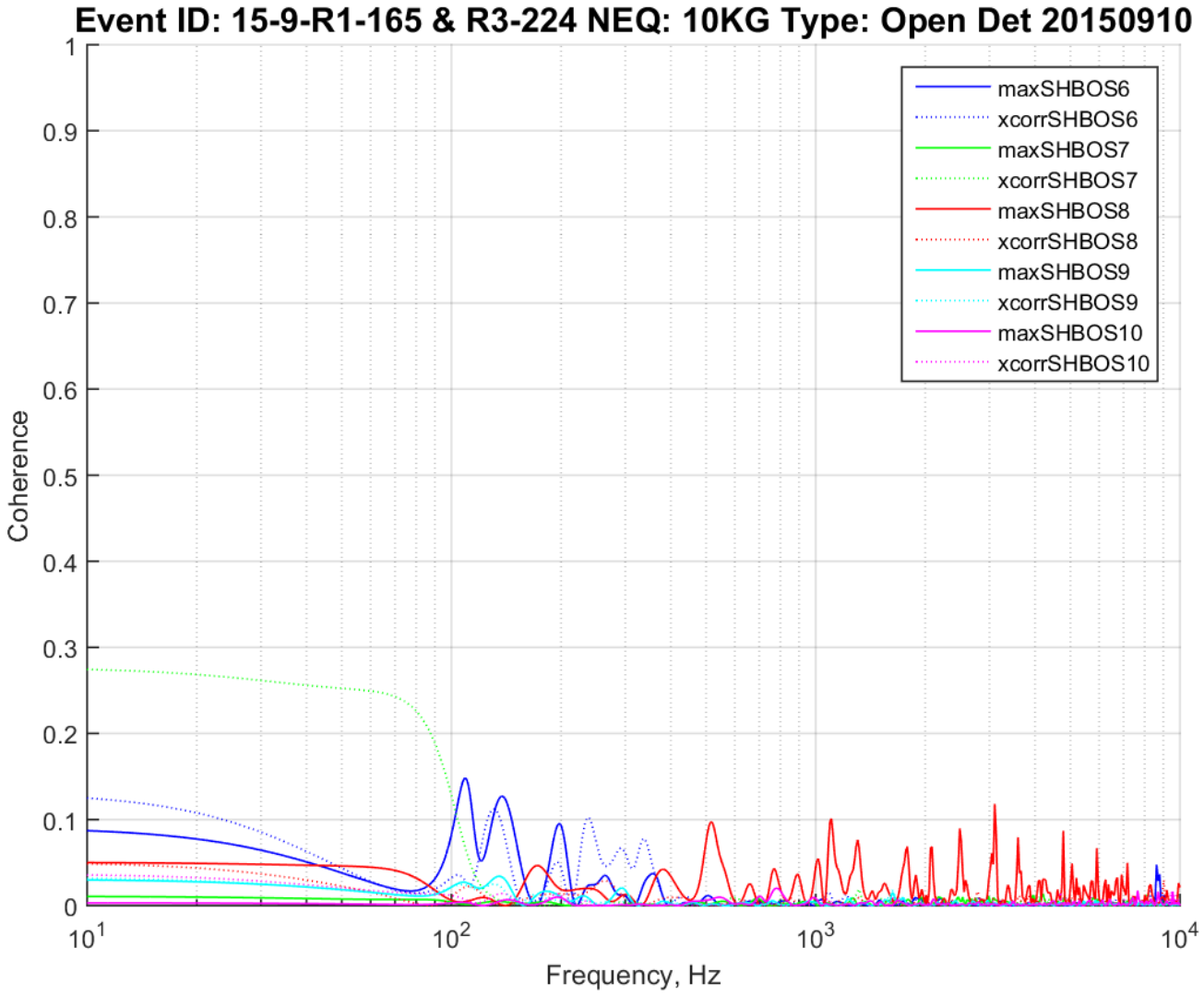


FIGURE 2.999: COHERENCE SHB_OS 6 - 10 15-9-R1-165 & R3-224CTD

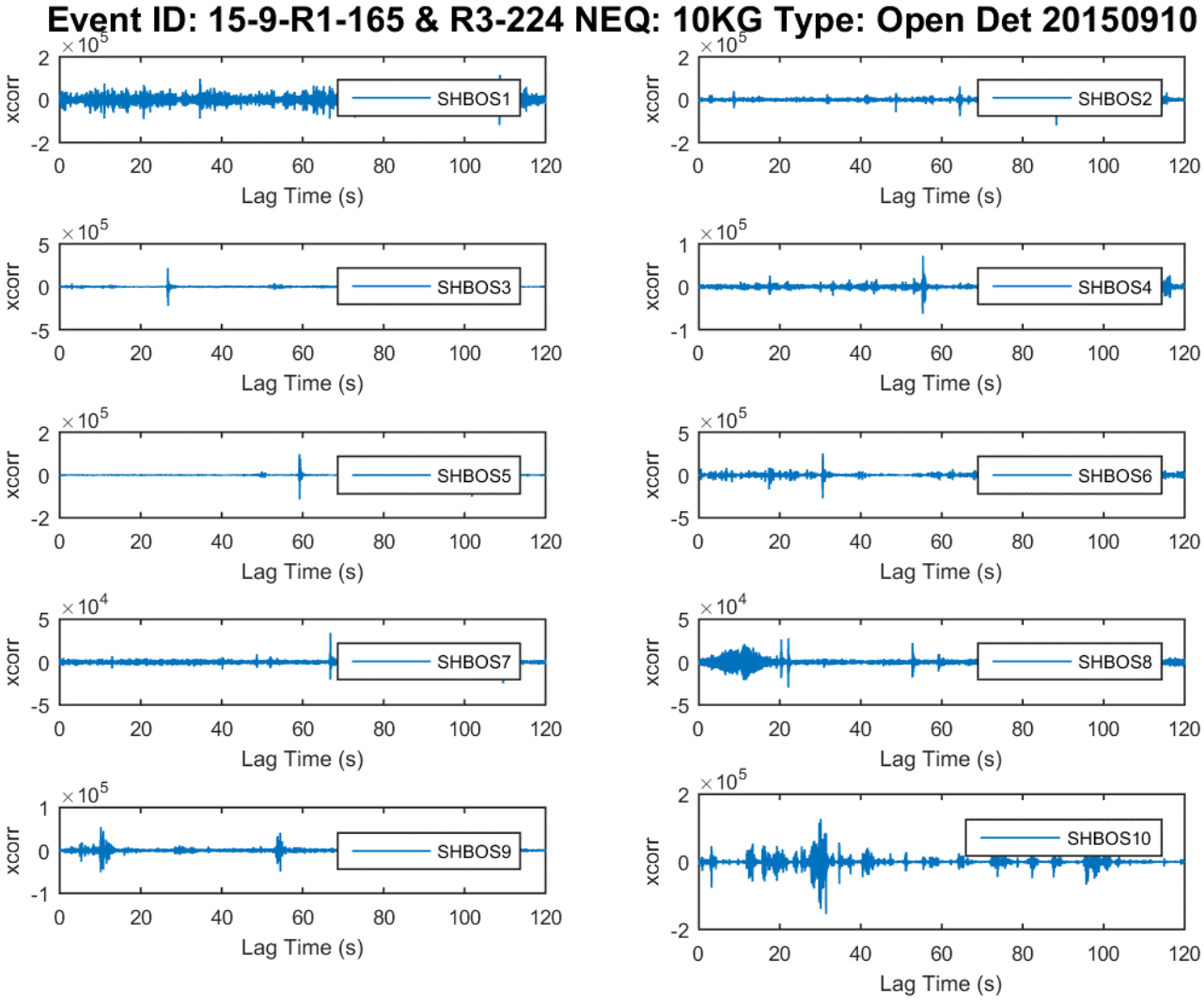


FIGURE 2.1000: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-165 & R3-224

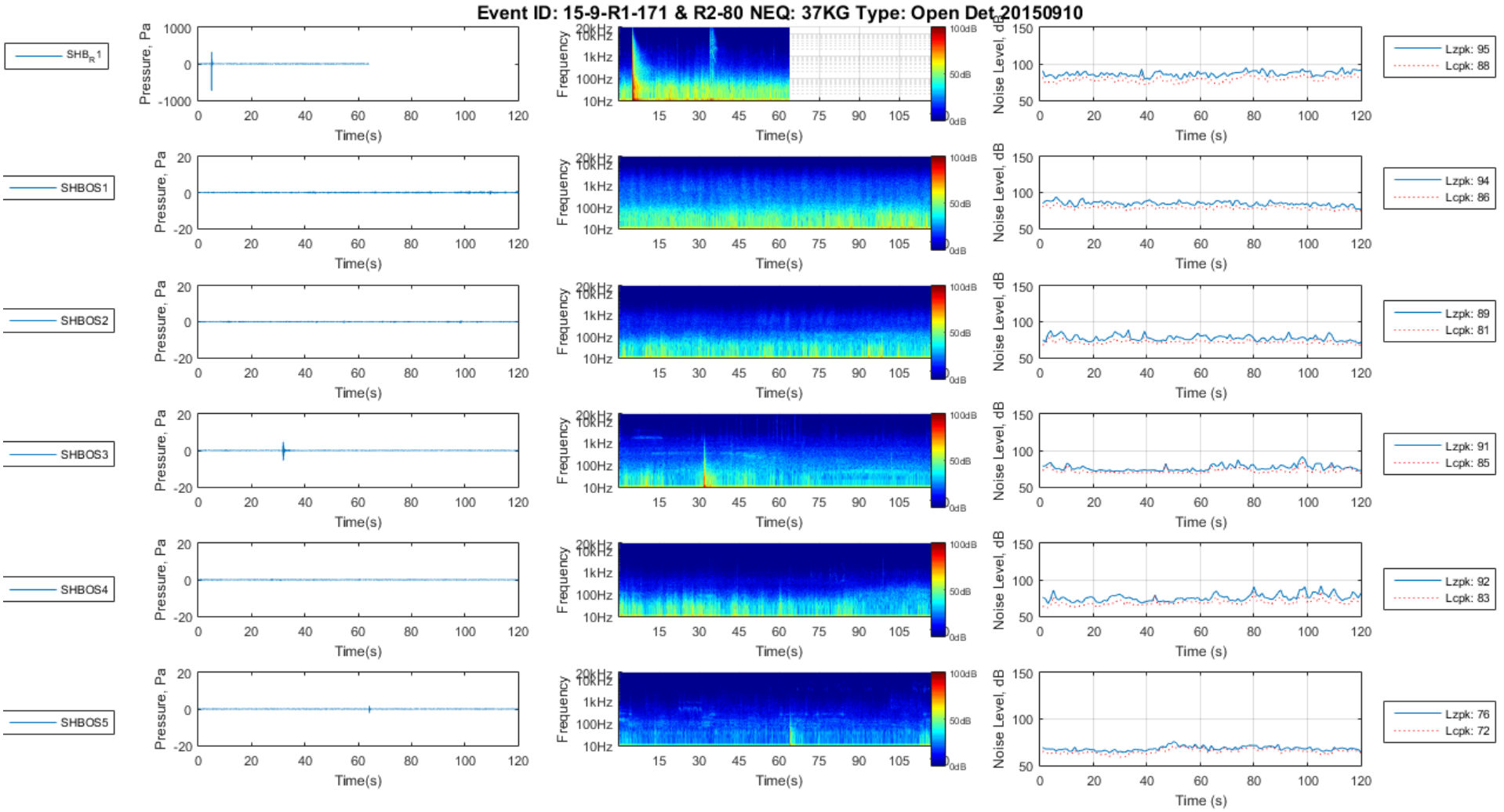


FIGURE 2.1001: SHB_OS 1 - 5 15-9-R1-171 & R2-80

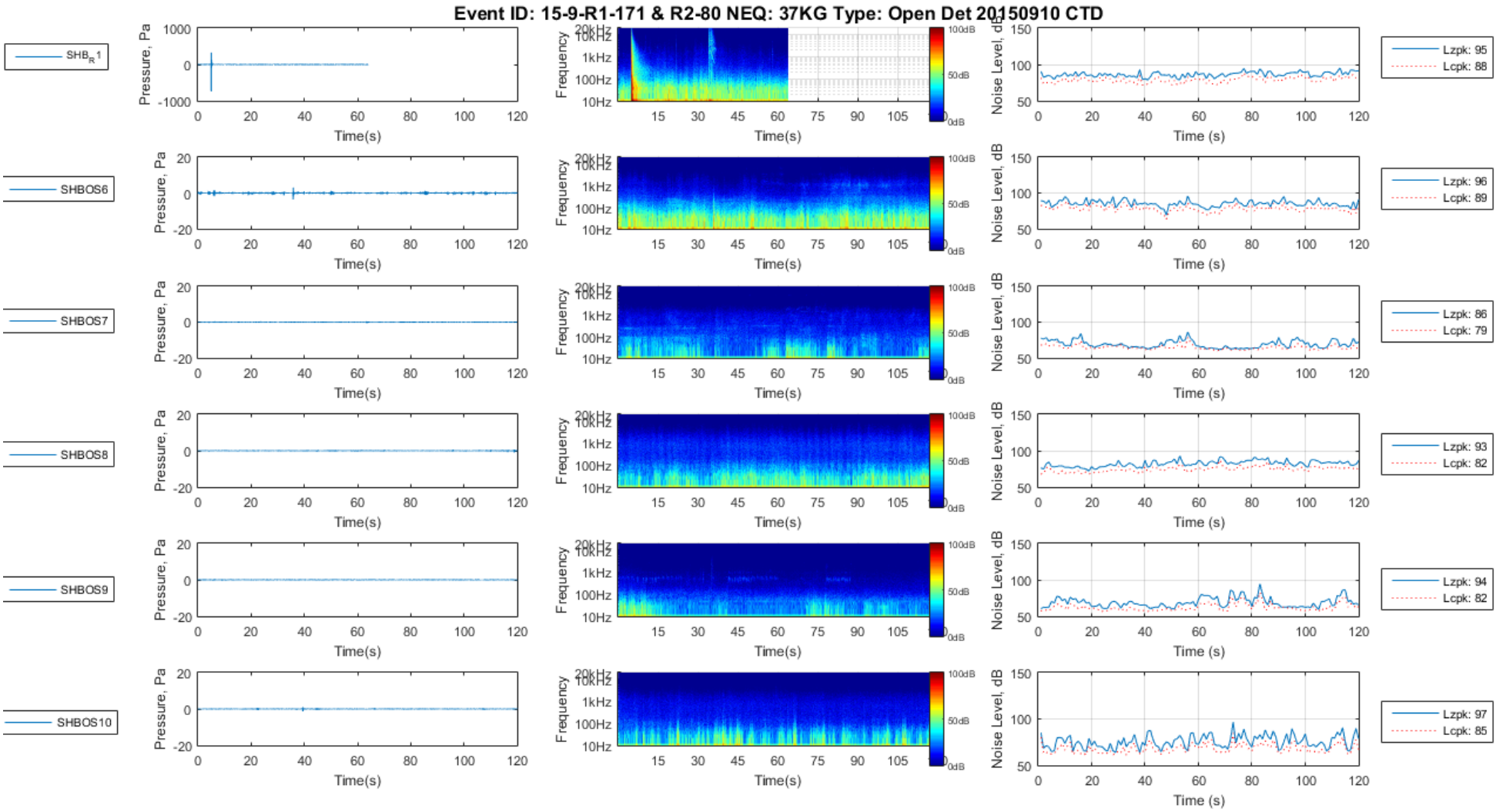


FIGURE 2.1002: SHB_OS 6 - 10 15-9-R1-171 & R2-80

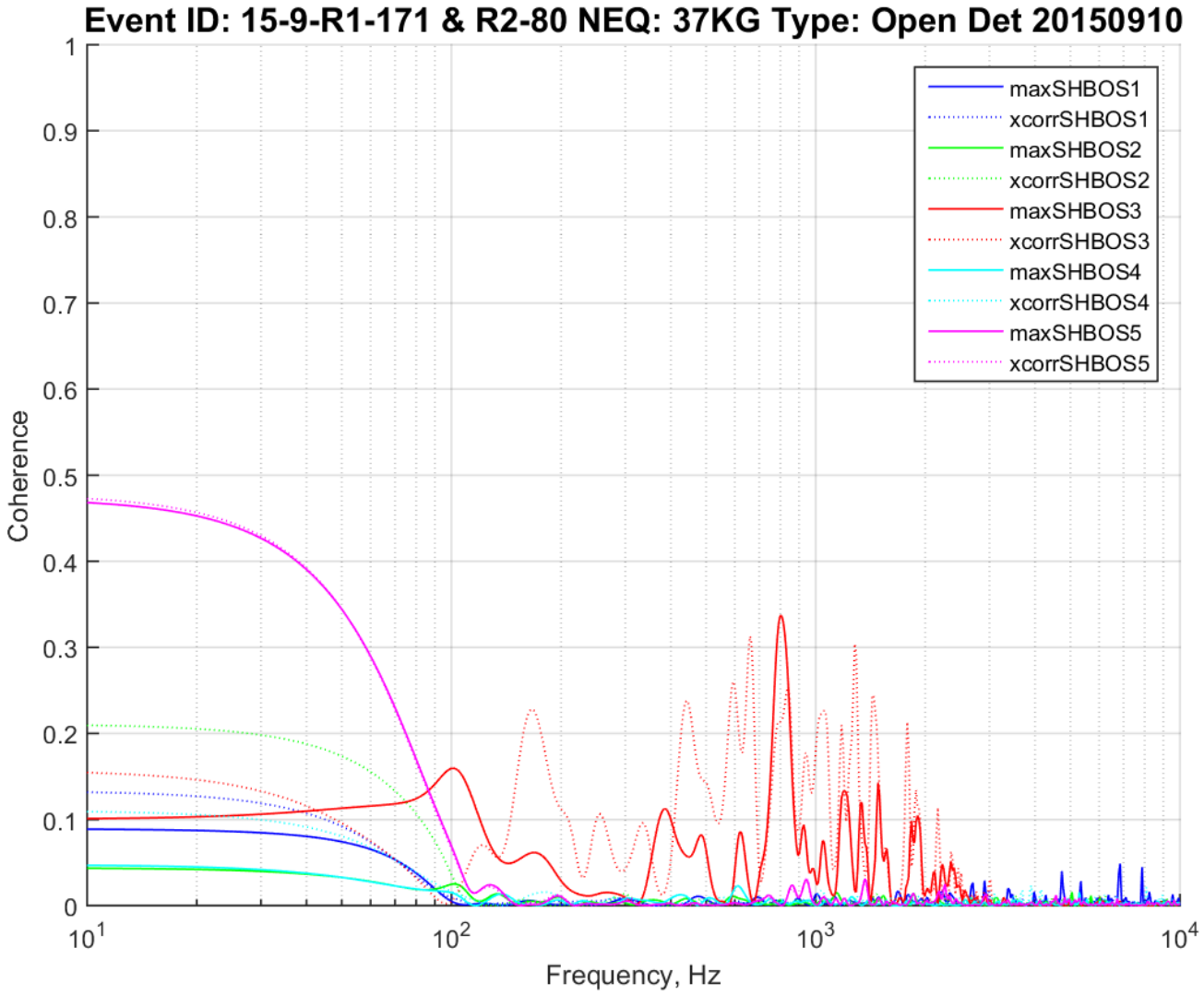


FIGURE 2.1003: COHERENCE SHB_OS 1 - 5 15-9-R1-171 & R2-80

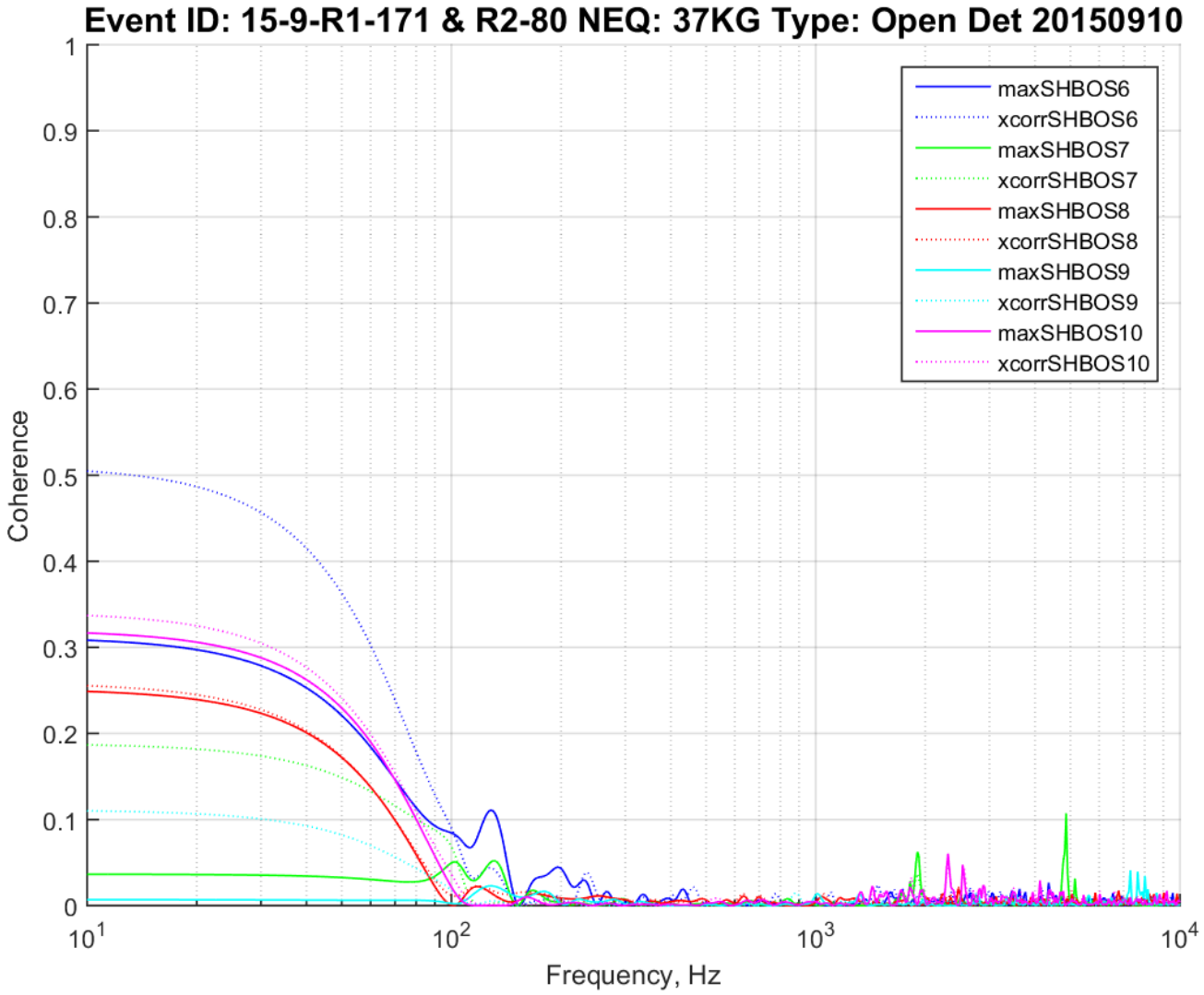


FIGURE 2.1004: COHERENCE SHB_OS 6 - 10 15-9-R1-171 & R2-80CTD

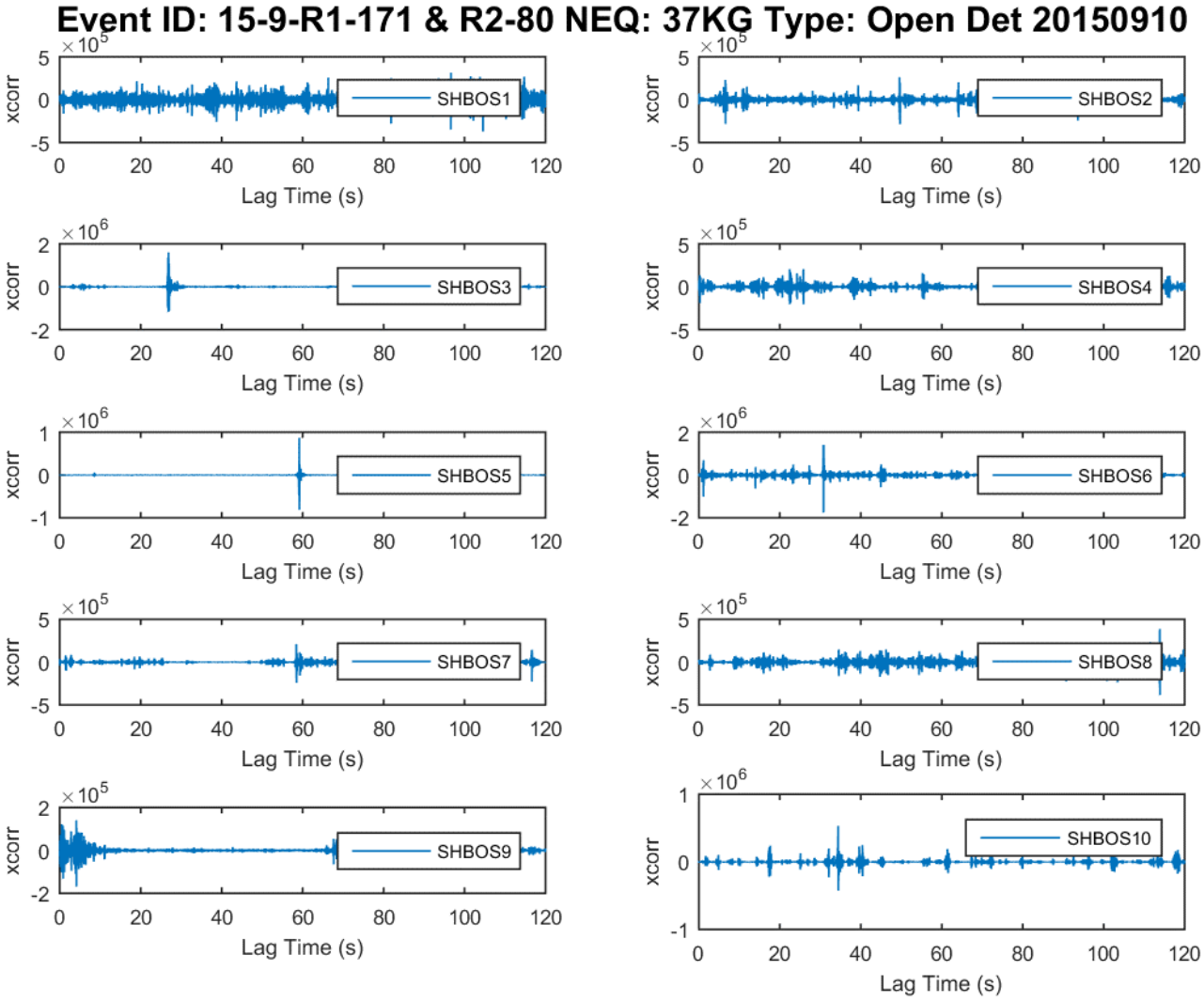


FIGURE 2.1005: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-171 & R2-80

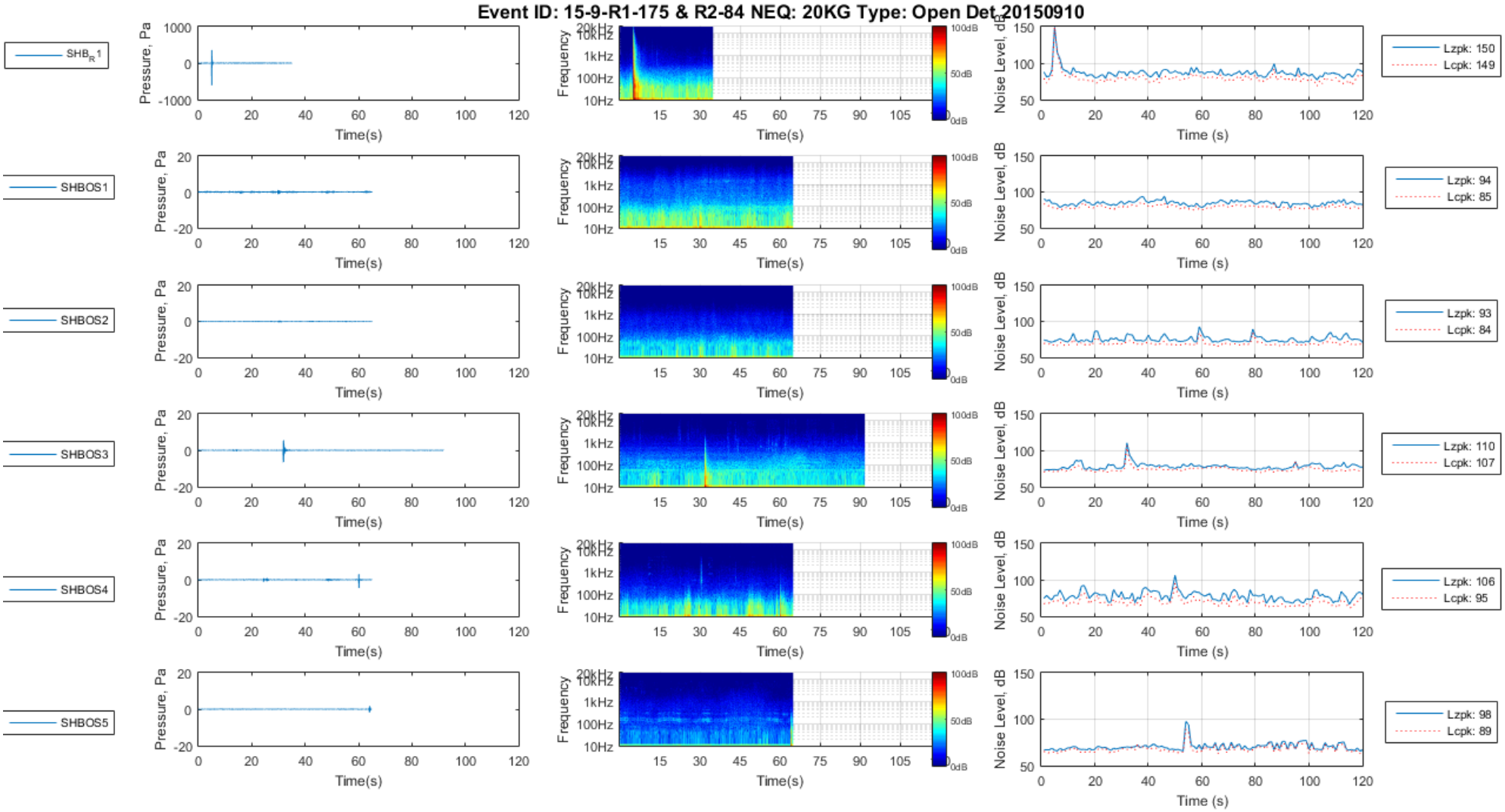


FIGURE 2.1006: SHB_OS 1 - 5 15-9-R1-175 & R2-84

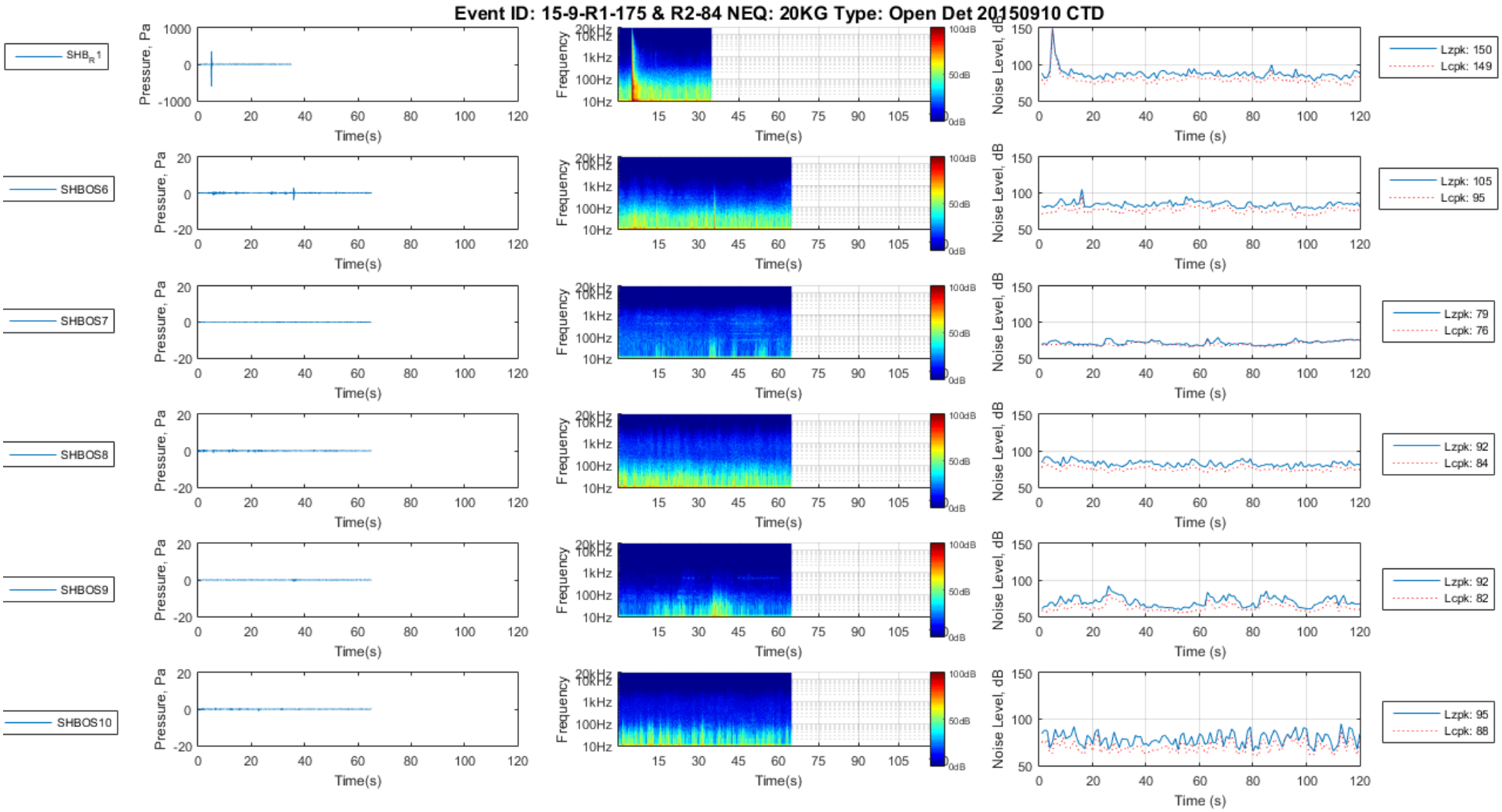


FIGURE 2.1007: SHB_OS 6 - 10 15-9-R1-175 & R2-84

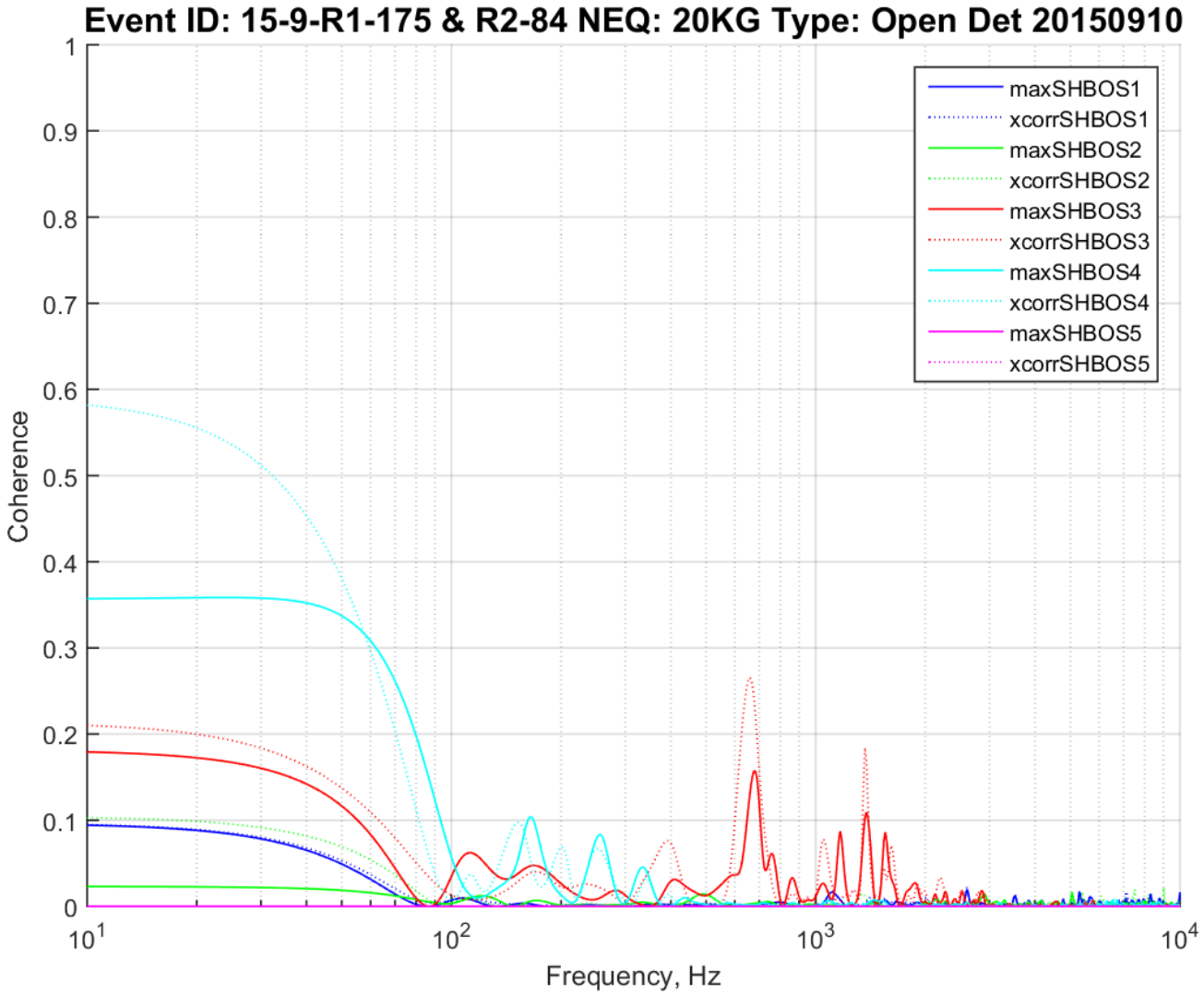


FIGURE 2.1008: COHERENCE SHB_OS 1 - 5 15-9-R1-175 & R2-84

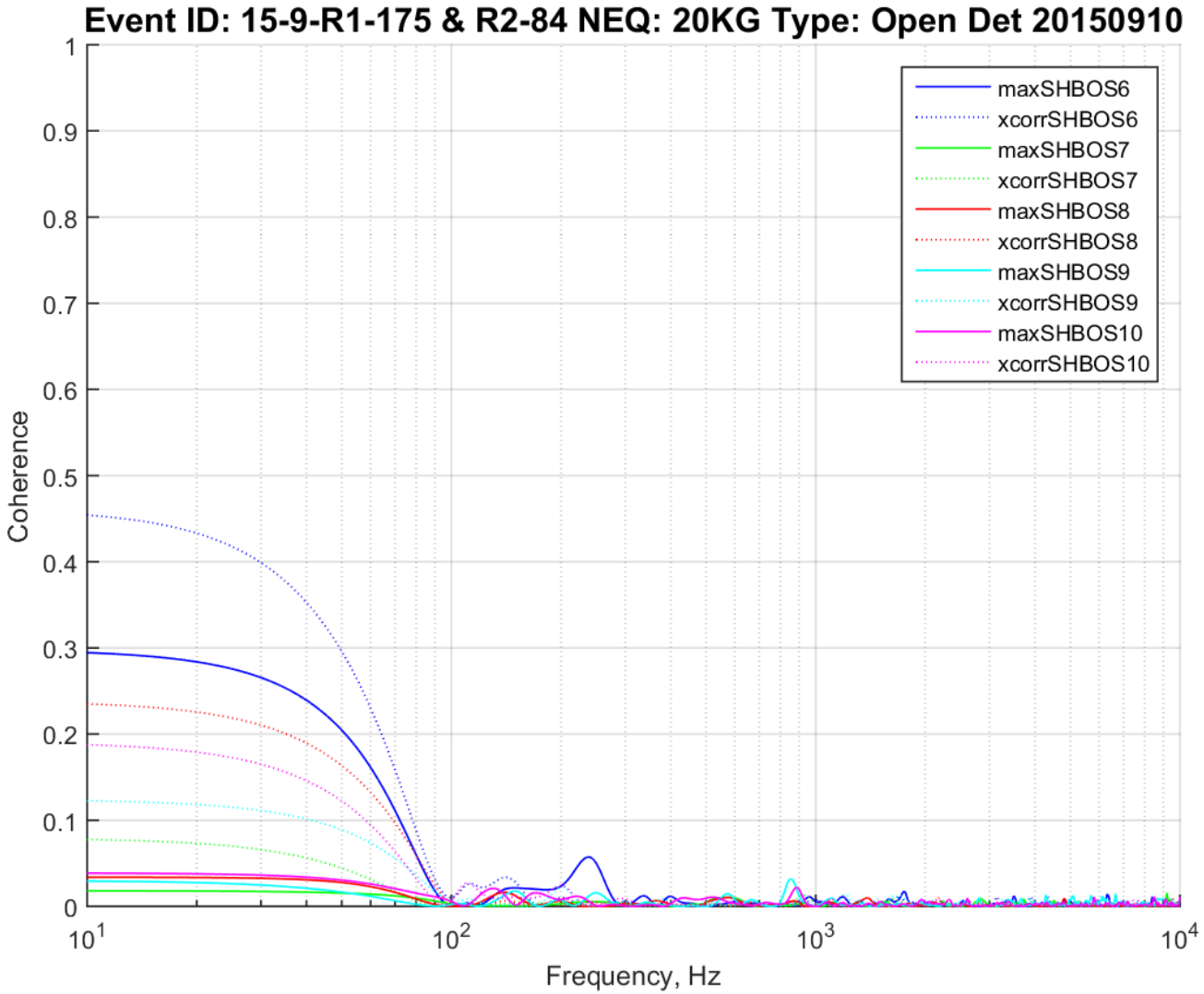


FIGURE 2.1009: COHERENCE SHB_OS 6 - 10 15-9-R1-175 & R2-84CTD

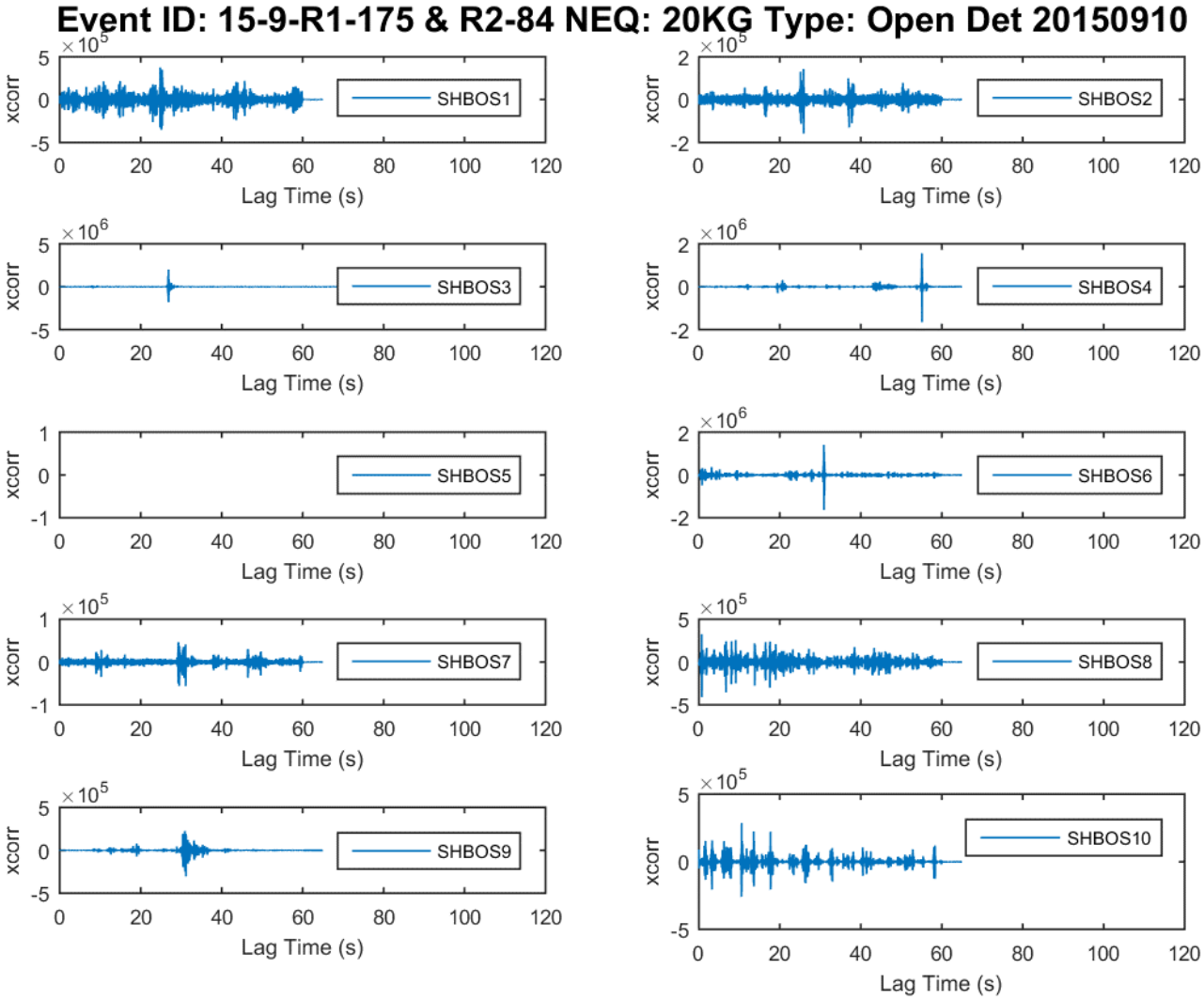


FIGURE 2.1010: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-175 & R2-84

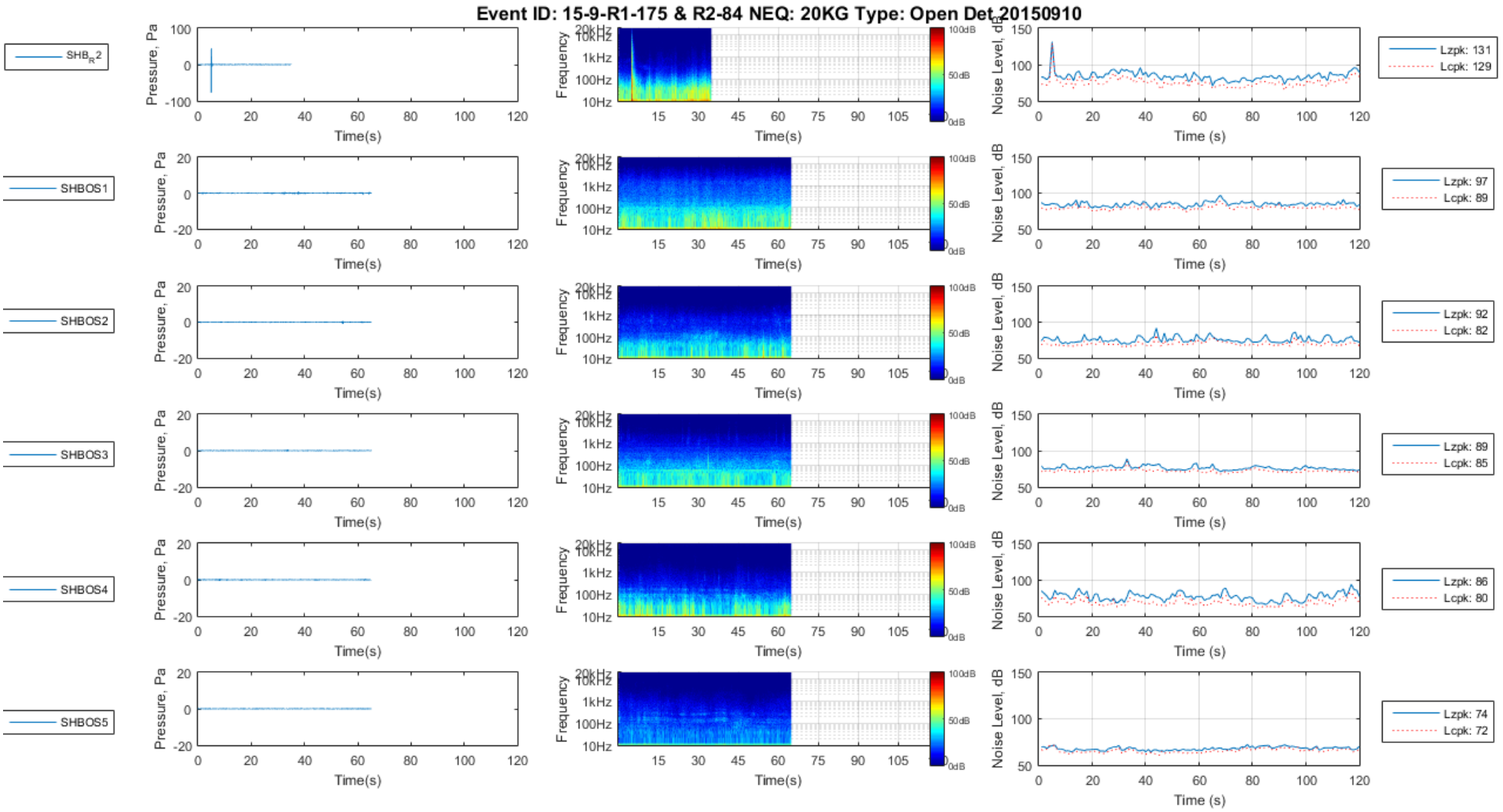


FIGURE 2.1011: SHB_OS 1 - 5 15-9-R1-175 & R2-84

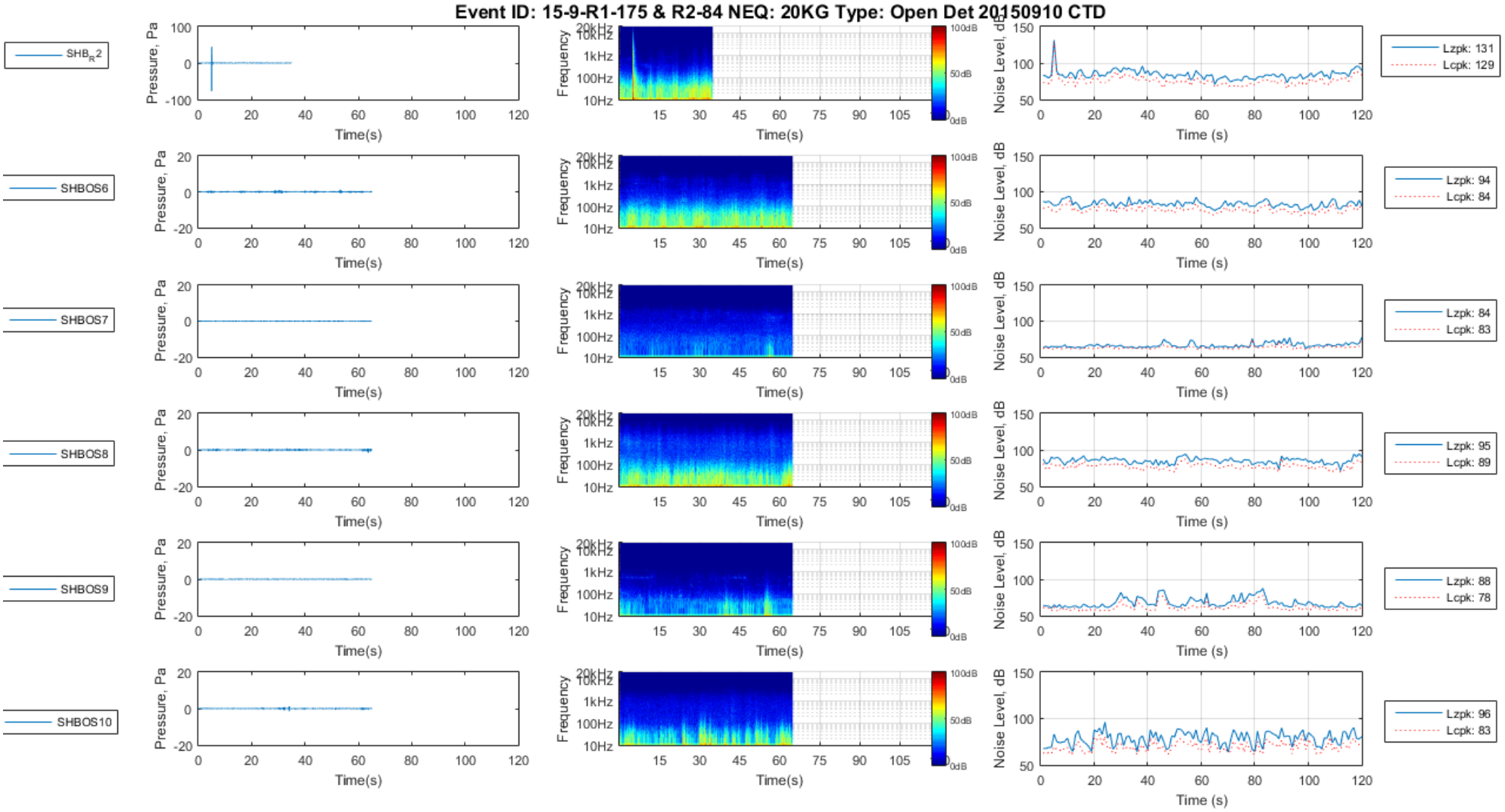


FIGURE 2.1012: SHB_OS 6 - 10 15-9-R1-175 & R2-84

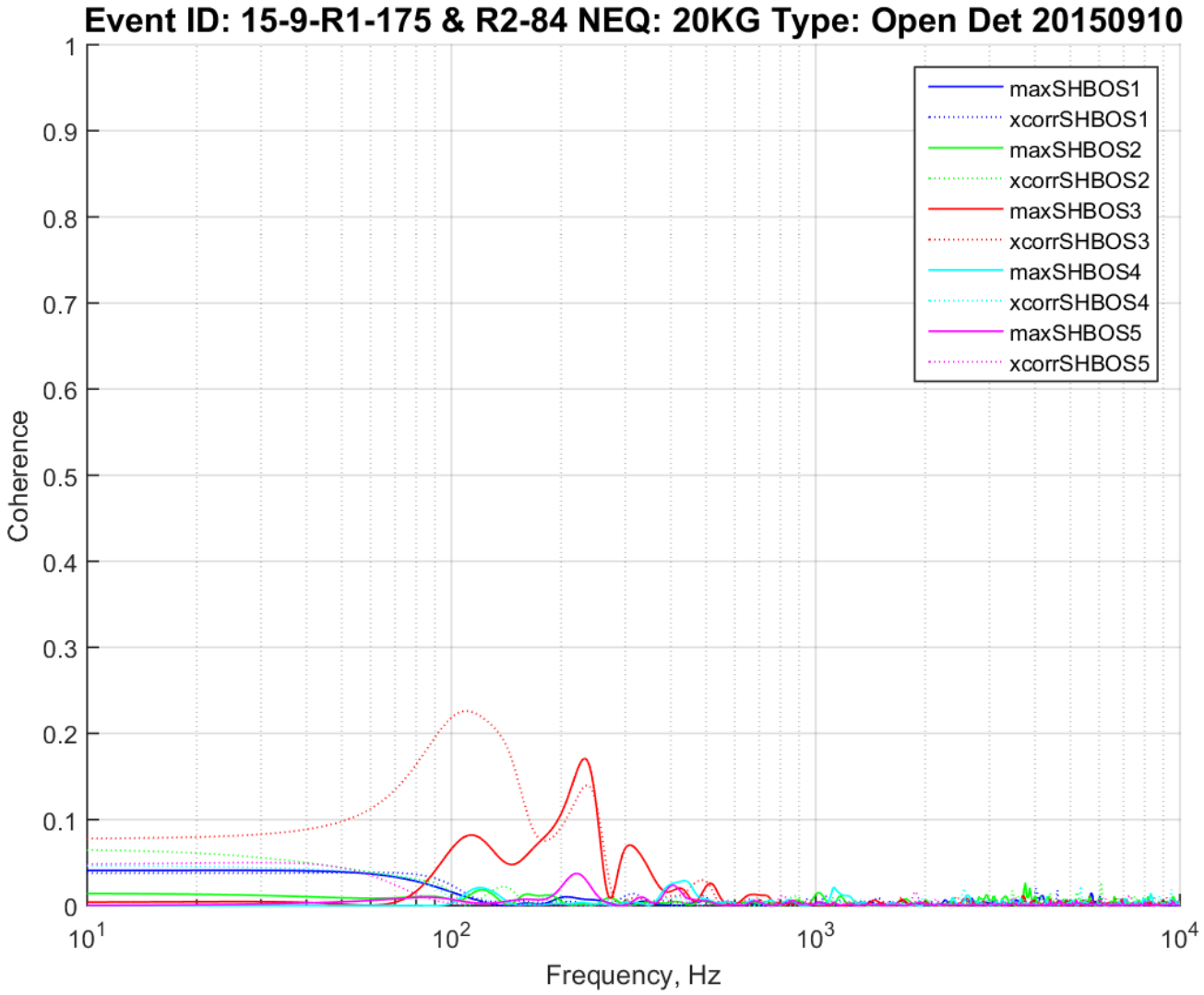


FIGURE 2.1013: COHERENCE SHB_OS 1 - 5 15-9-R1-175 & R2-84

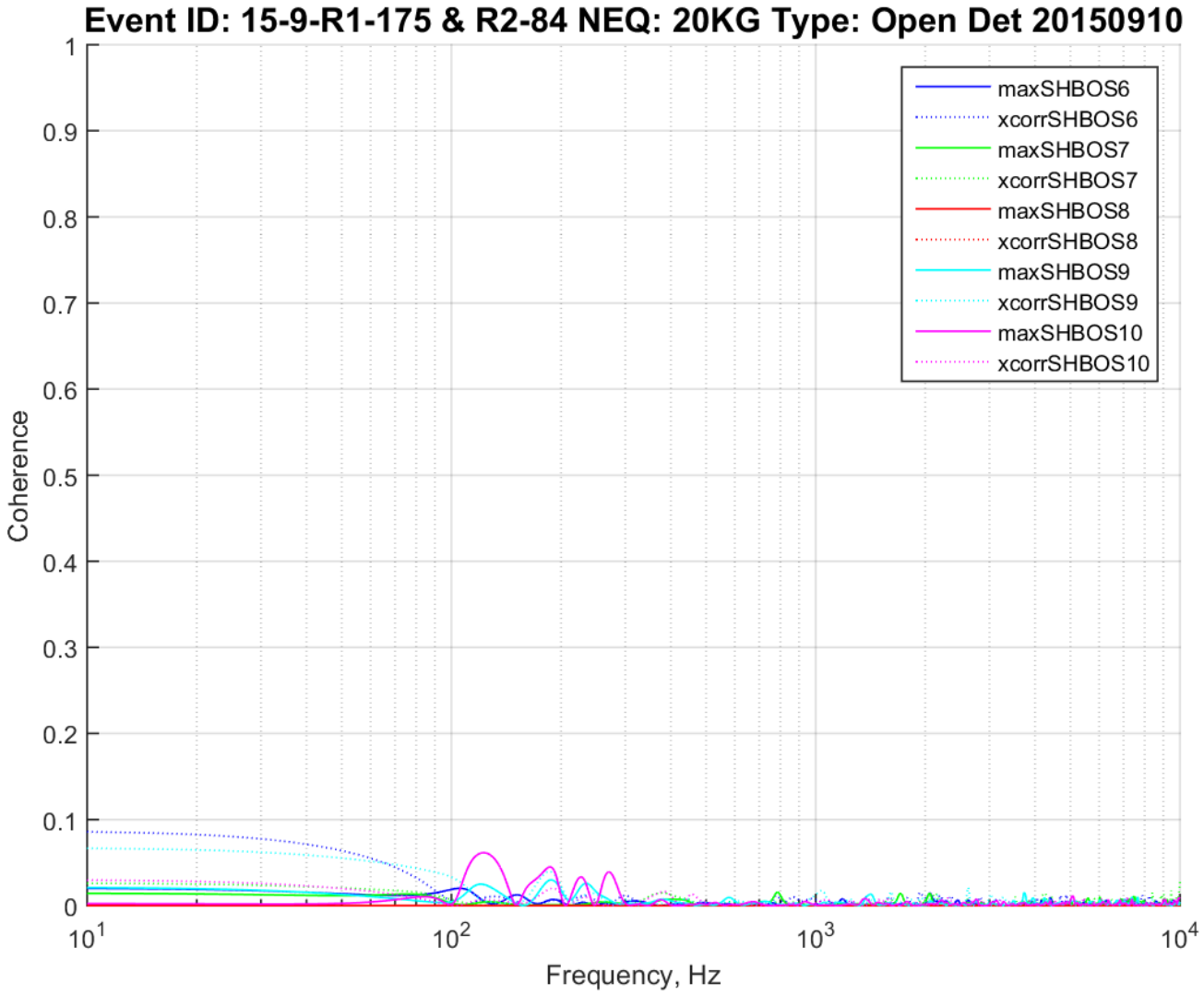


FIGURE 2.1014: COHERENCE SHB_OS 6 - 10 15-9-R1-175 & R2-84CTD

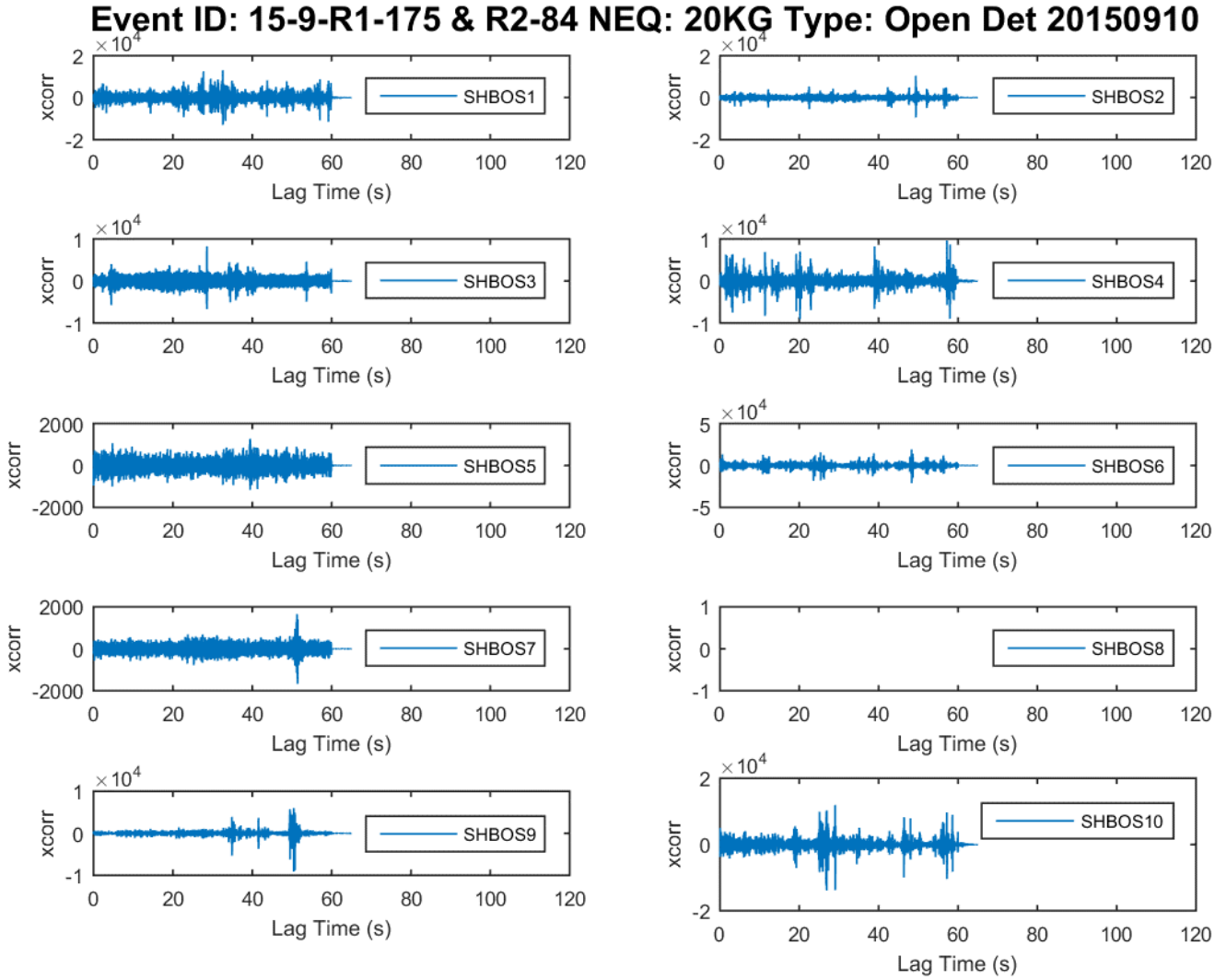


FIGURE 2.1015: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-175 & R2-84

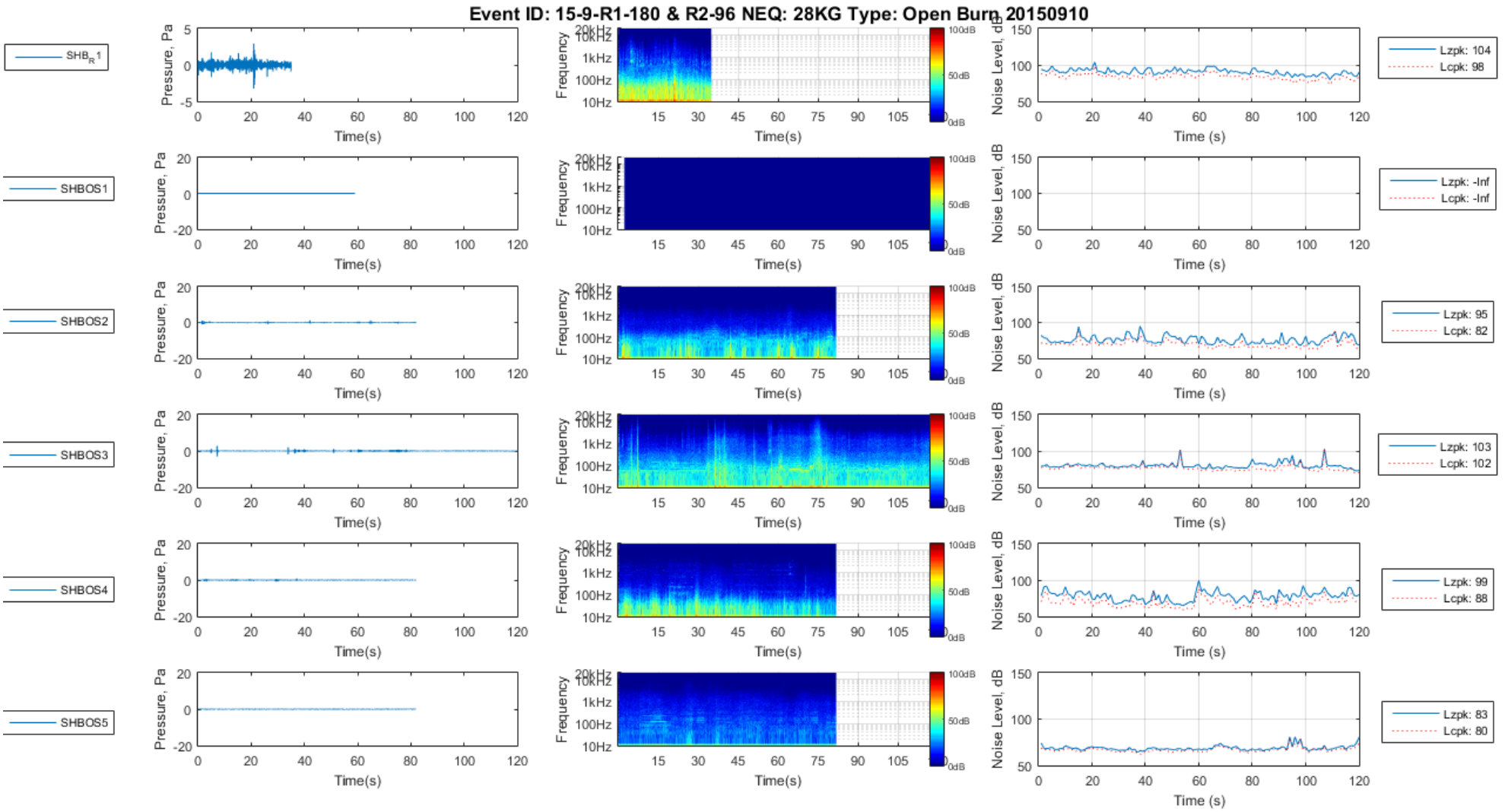


FIGURE 2.1016: SHB_OS 1 - 5 15-9-R1-180 & R2-96

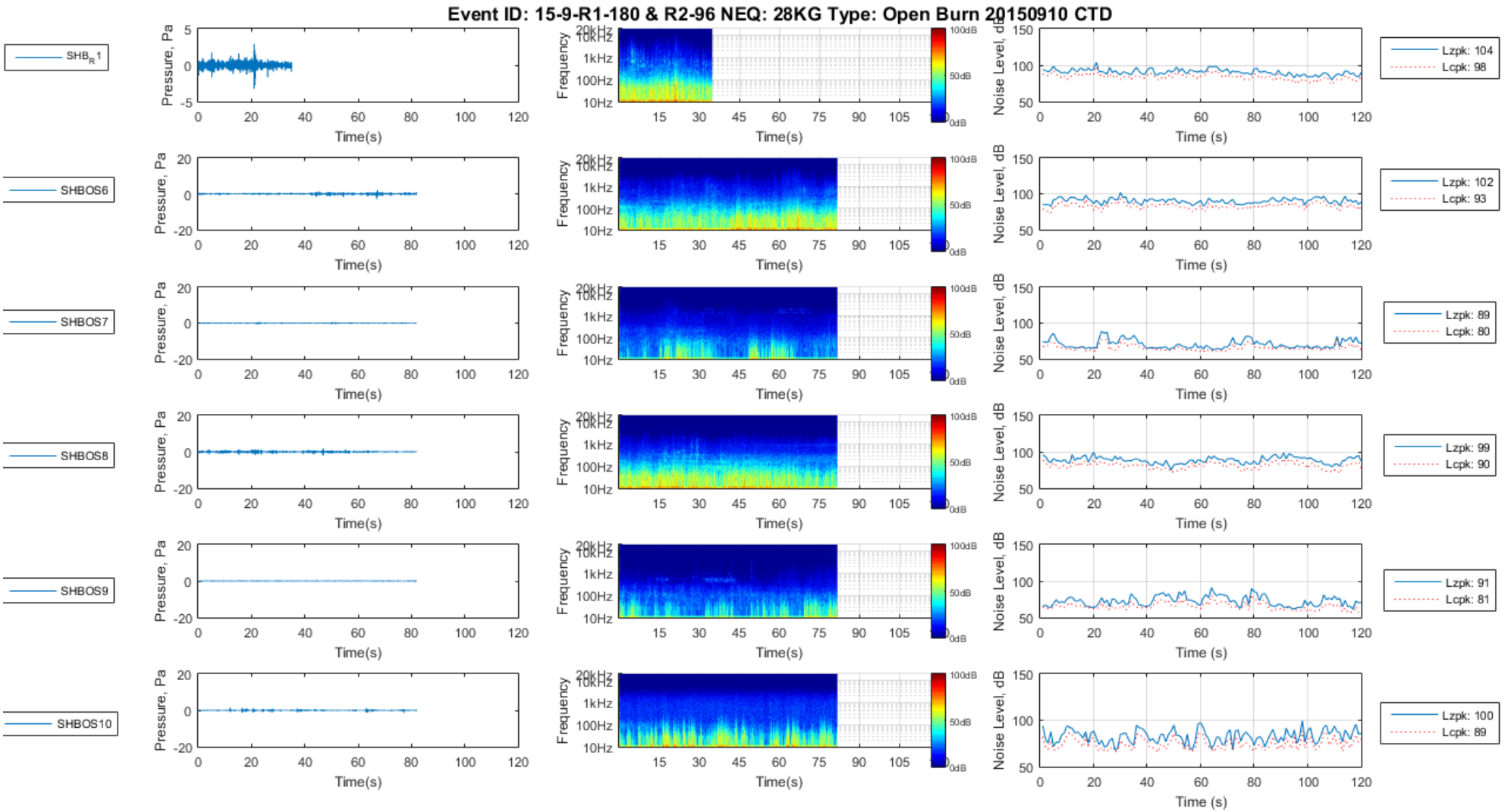


FIGURE 2.1017: SHB_OS 6 - 10 15-9-R1-180 & R2-96

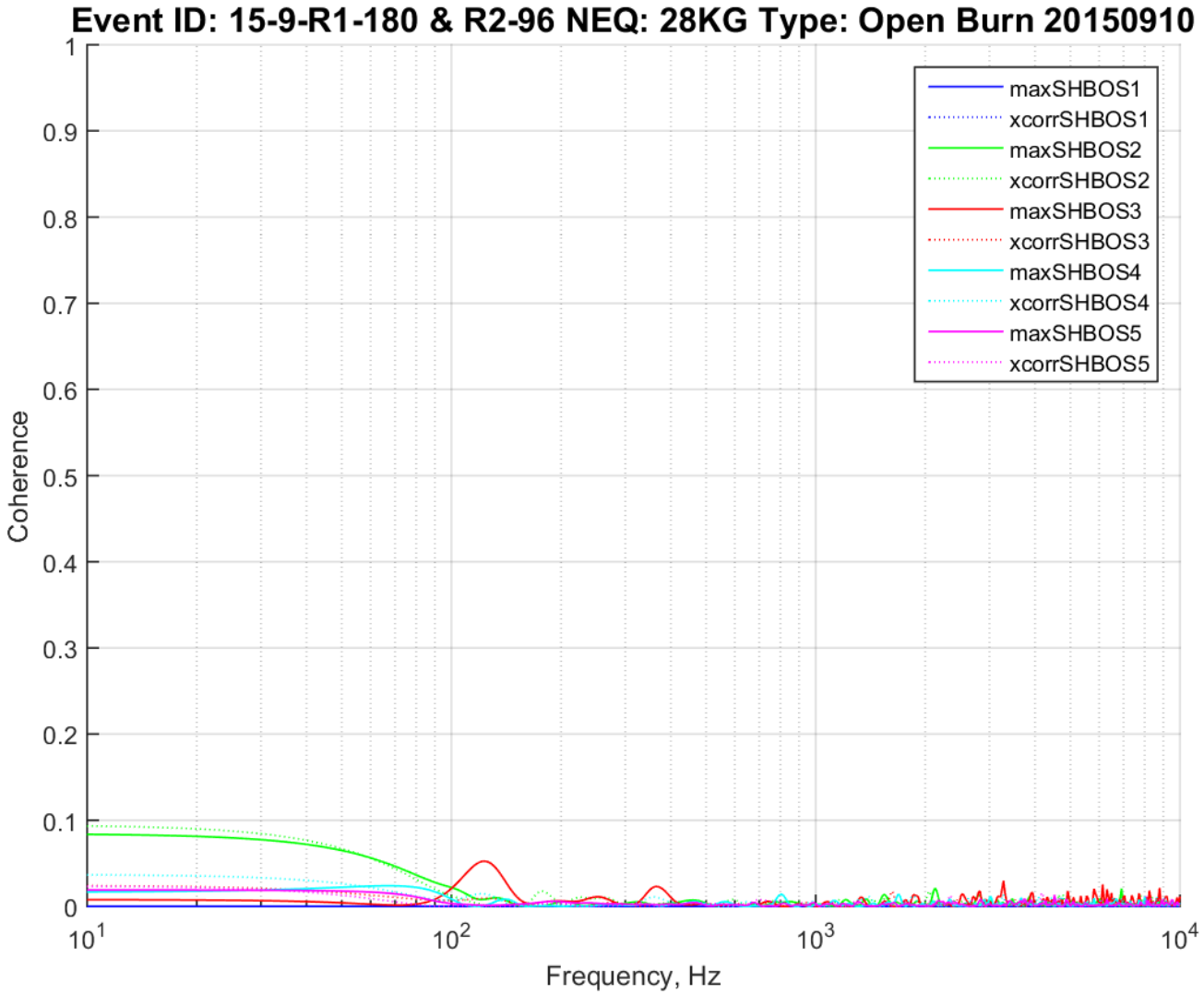


FIGURE 2.1018: COHERENCE SHB_OS 1 - 5 15-9-R1-180 & R2-96

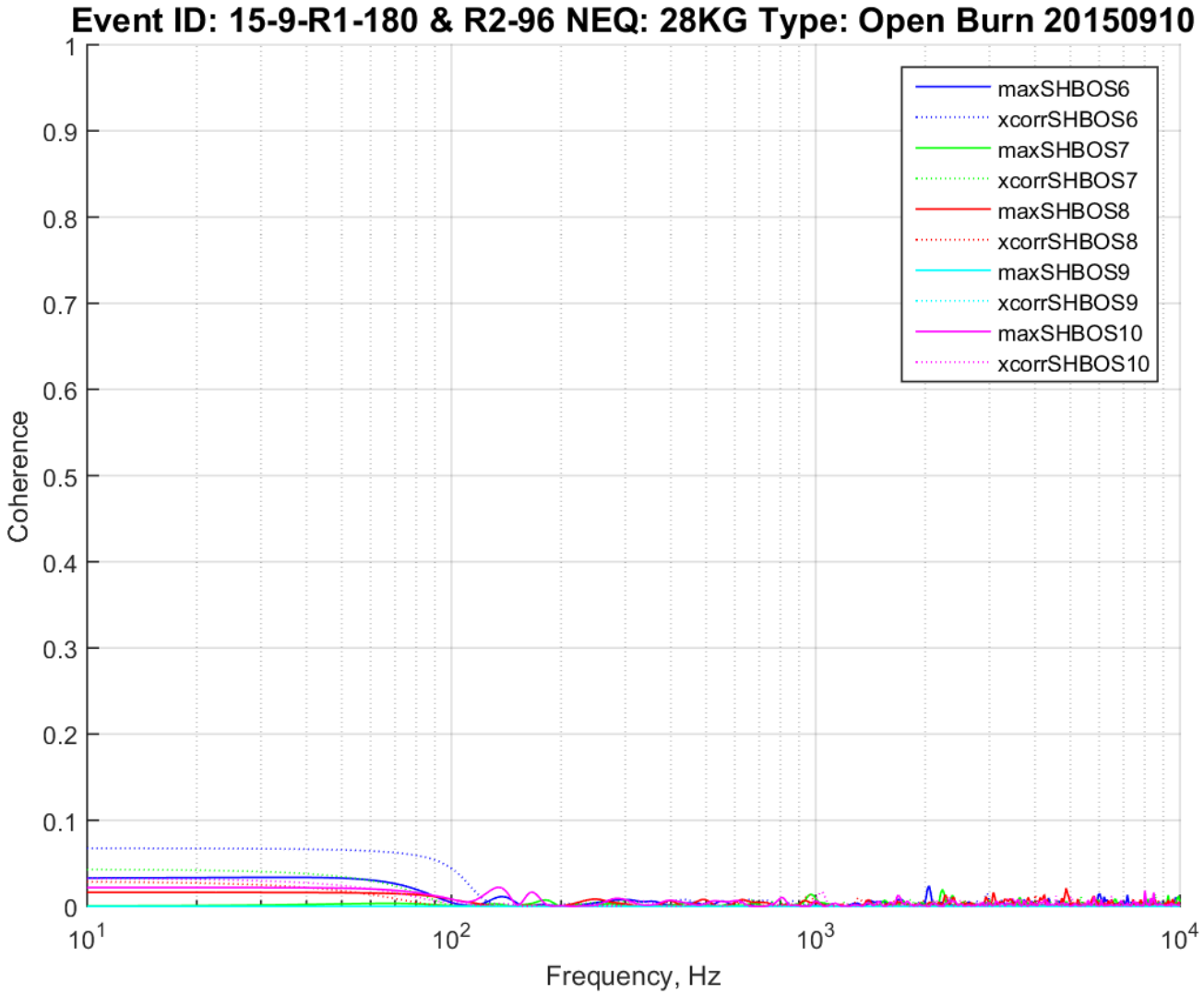


FIGURE 2.1019: COHERENCE SHB_OS 6 - 10 15-9-R1-180 & R2-96CTD

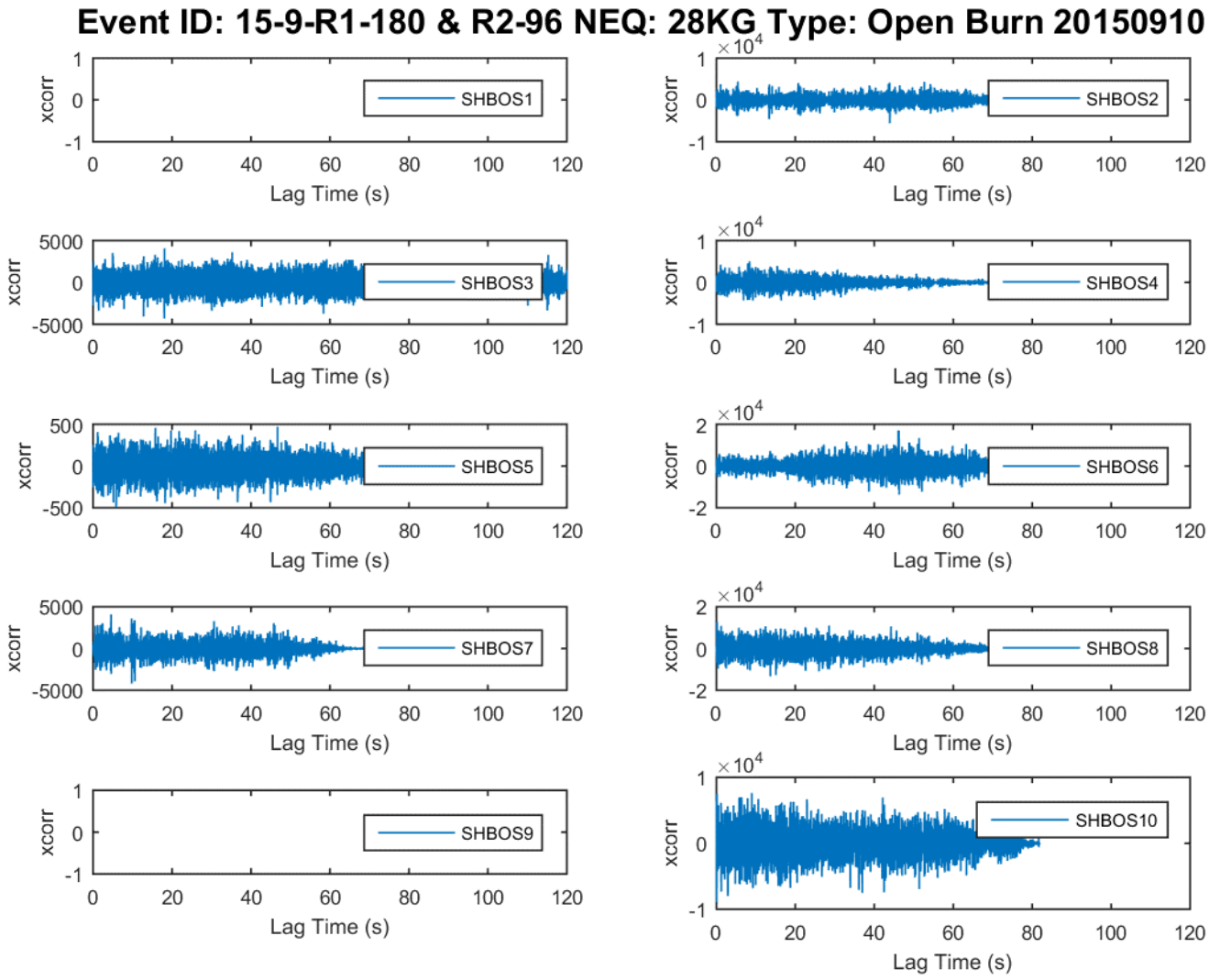


FIGURE 2.1020: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-180 & R2-96

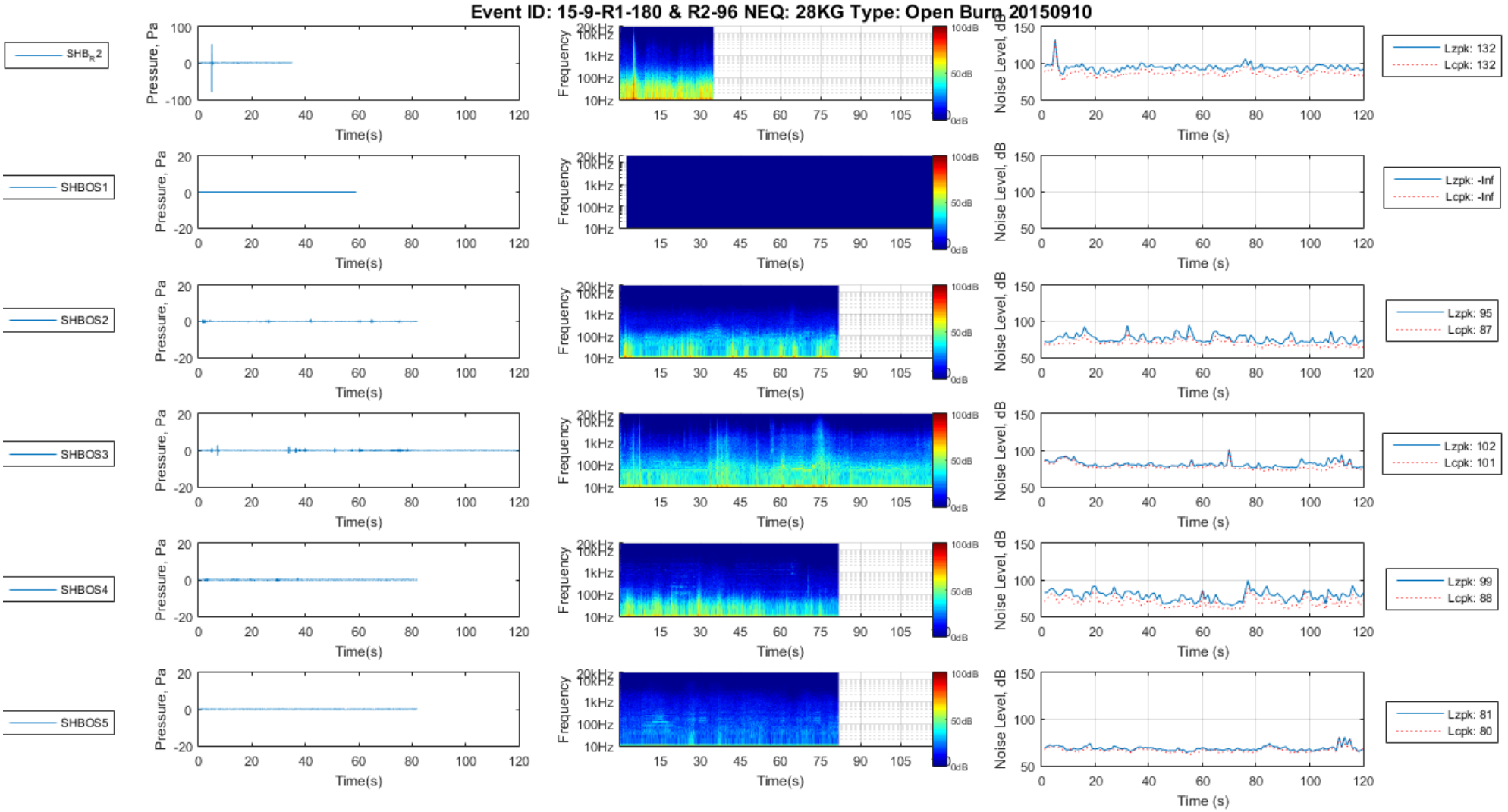


FIGURE 2.1021: SHB_OS 1 - 5 15-9-R1-180 & R2-96

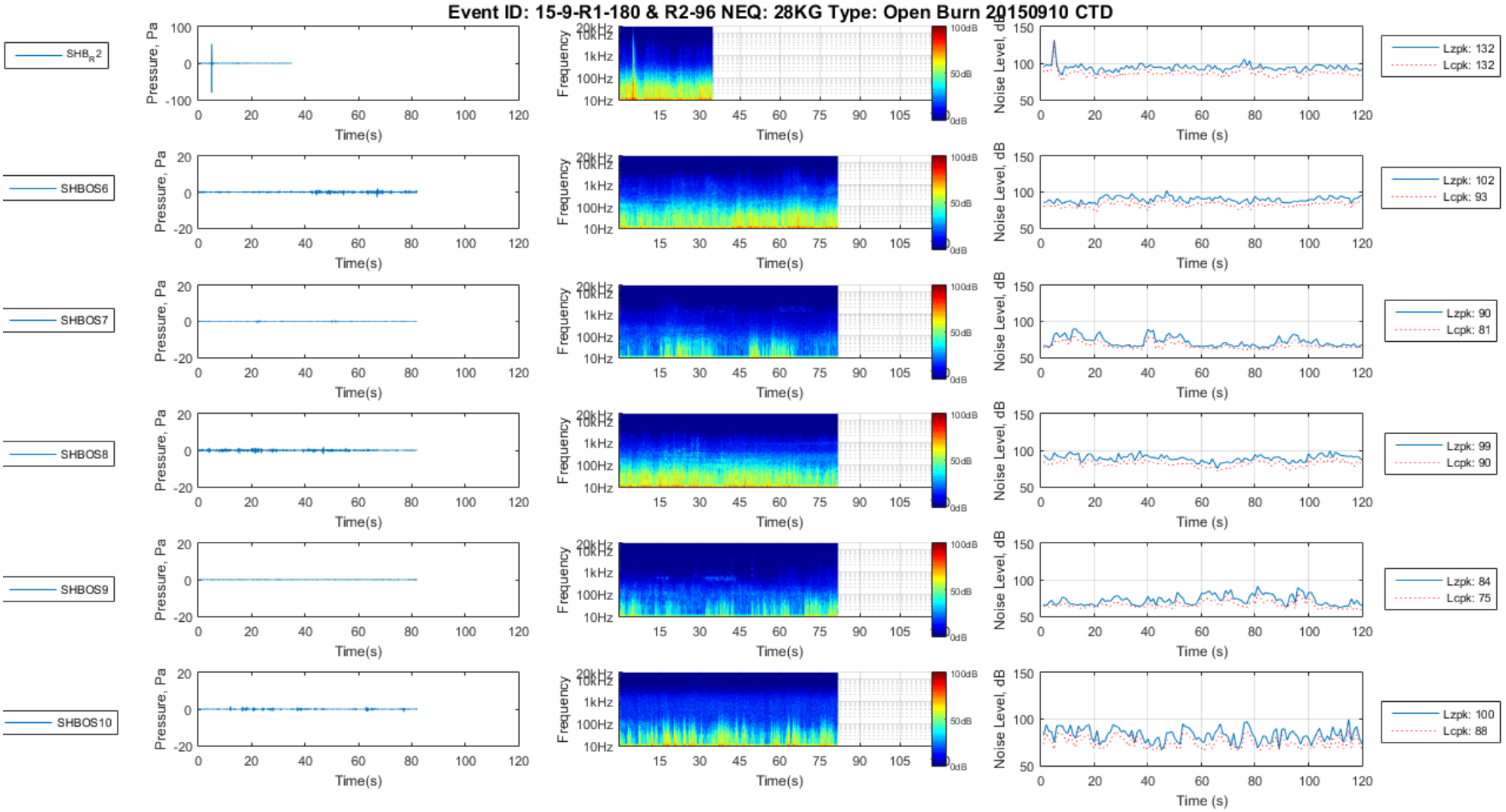


FIGURE 2.1022: SHB_OS 6 - 10 15-9-R1-180 & R2-96

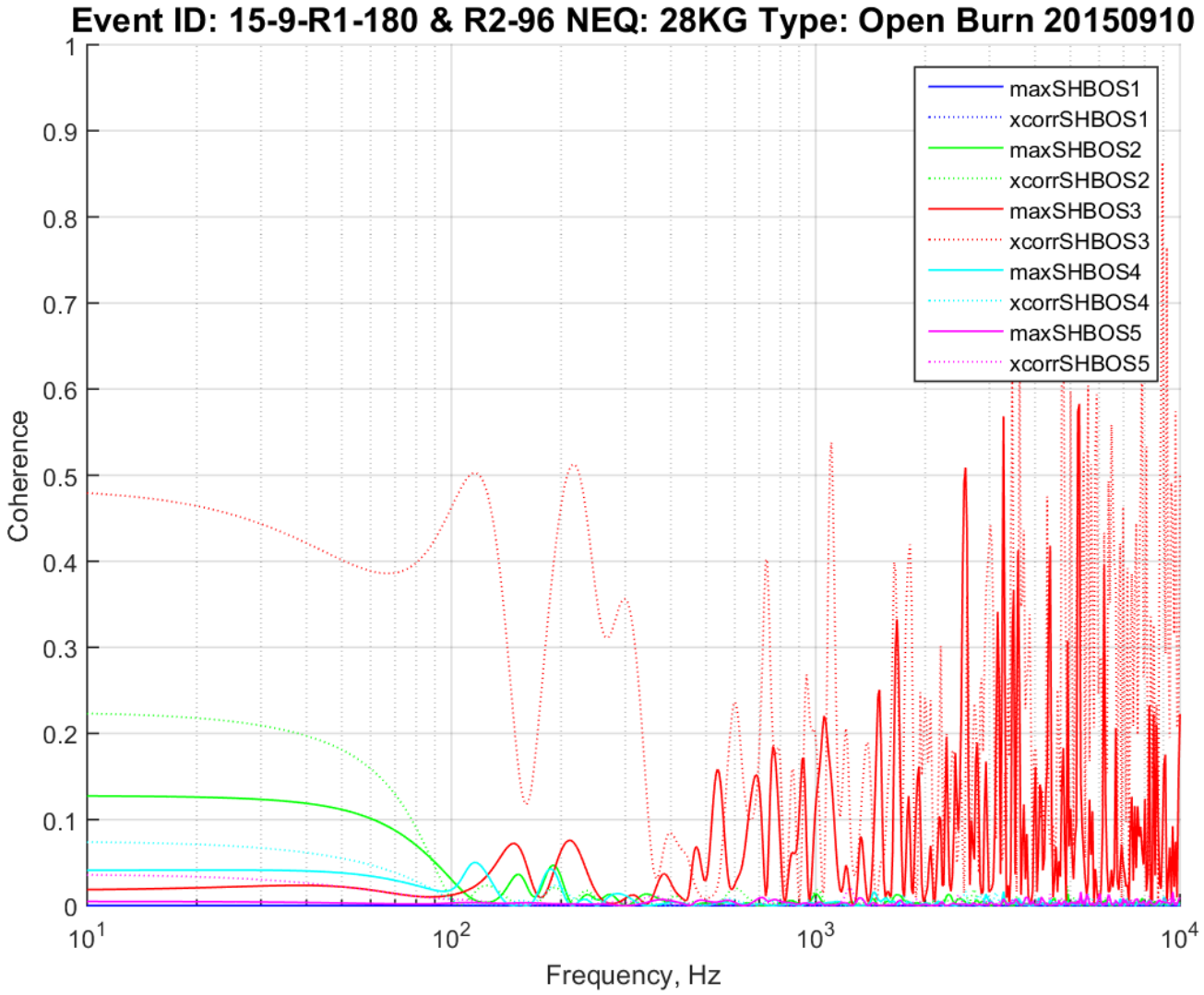


FIGURE 2.1023: COHERENCE SHB_OS 1 - 5 15-9-R1-180 & R2-96

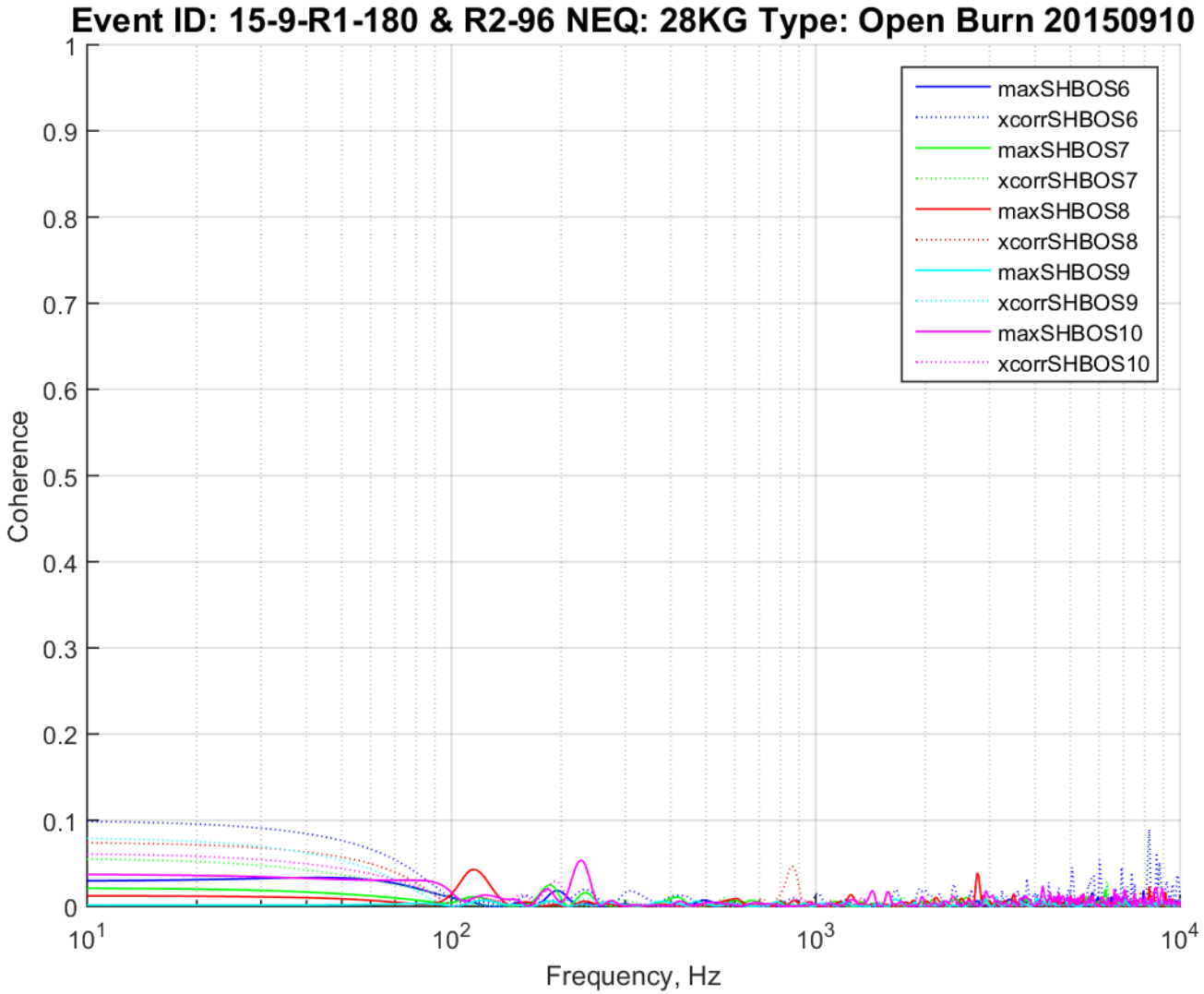


FIGURE 2.1024: COHERENCE SHB_OS 6 - 10 15-9-R1-180 & R2-96CTD

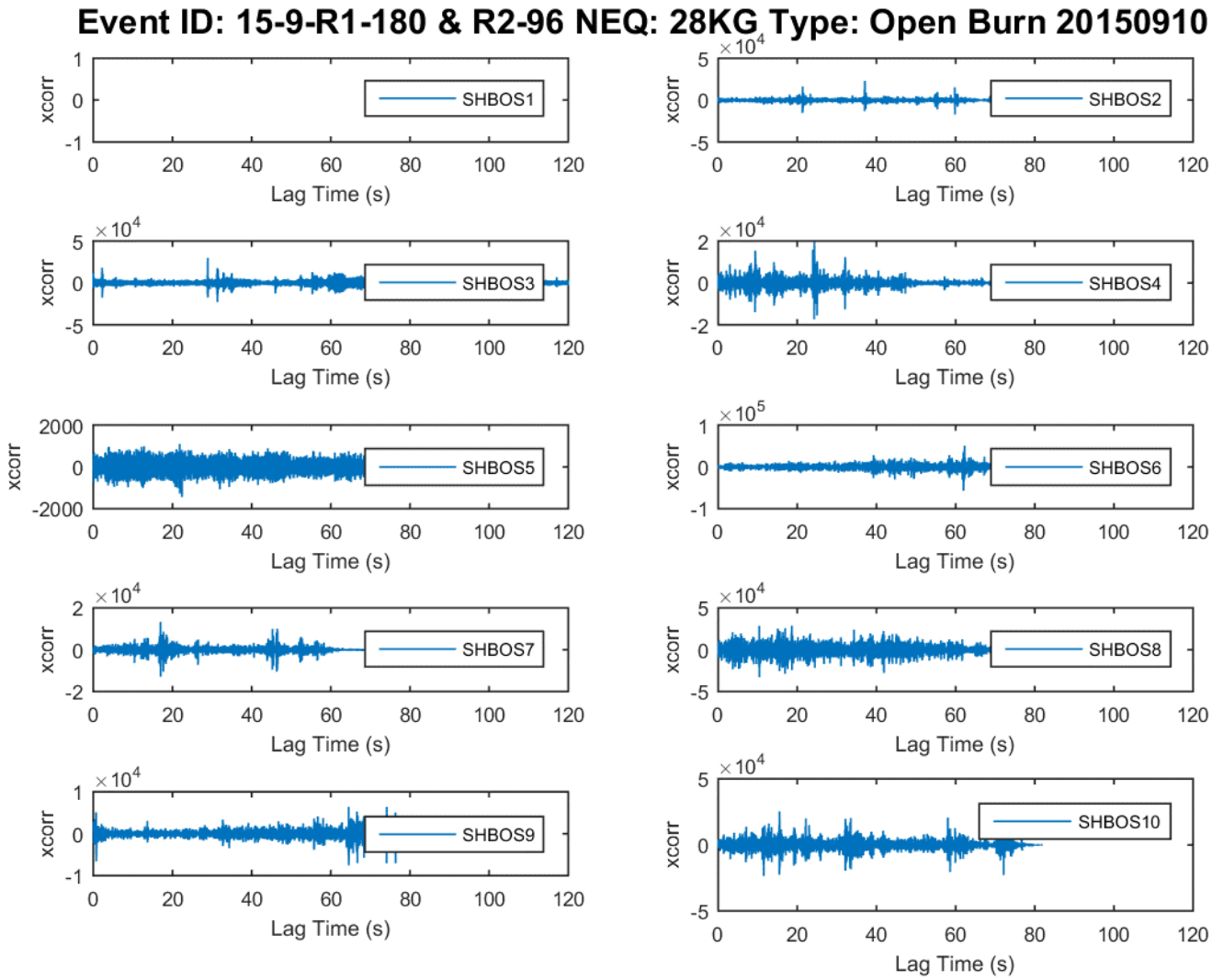


FIGURE 2.1025: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-180 & R2-96

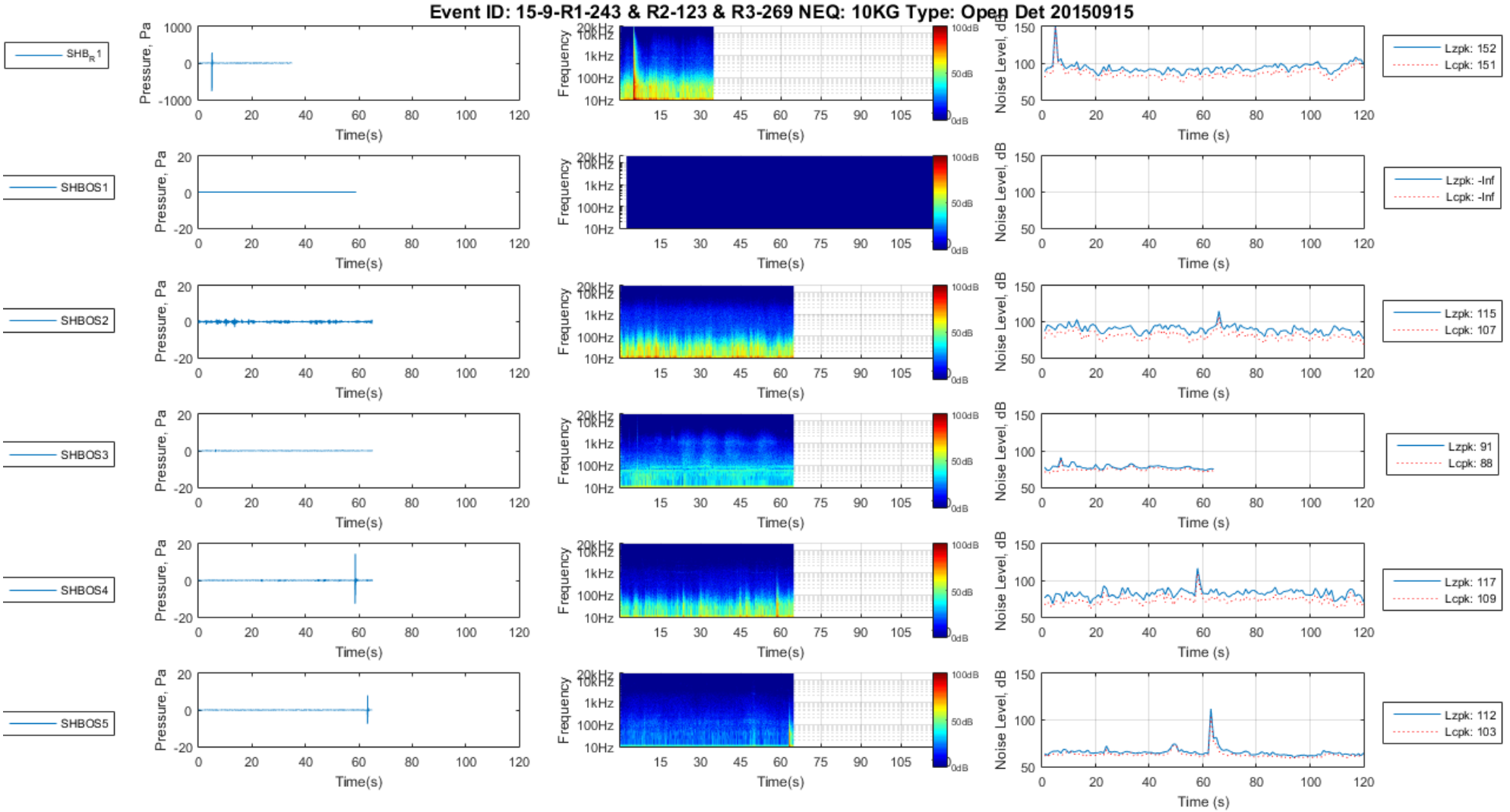


FIGURE 2.1026: SHB_OS 1 - 5 15-9-R1-243 & R2-123 & R3-269

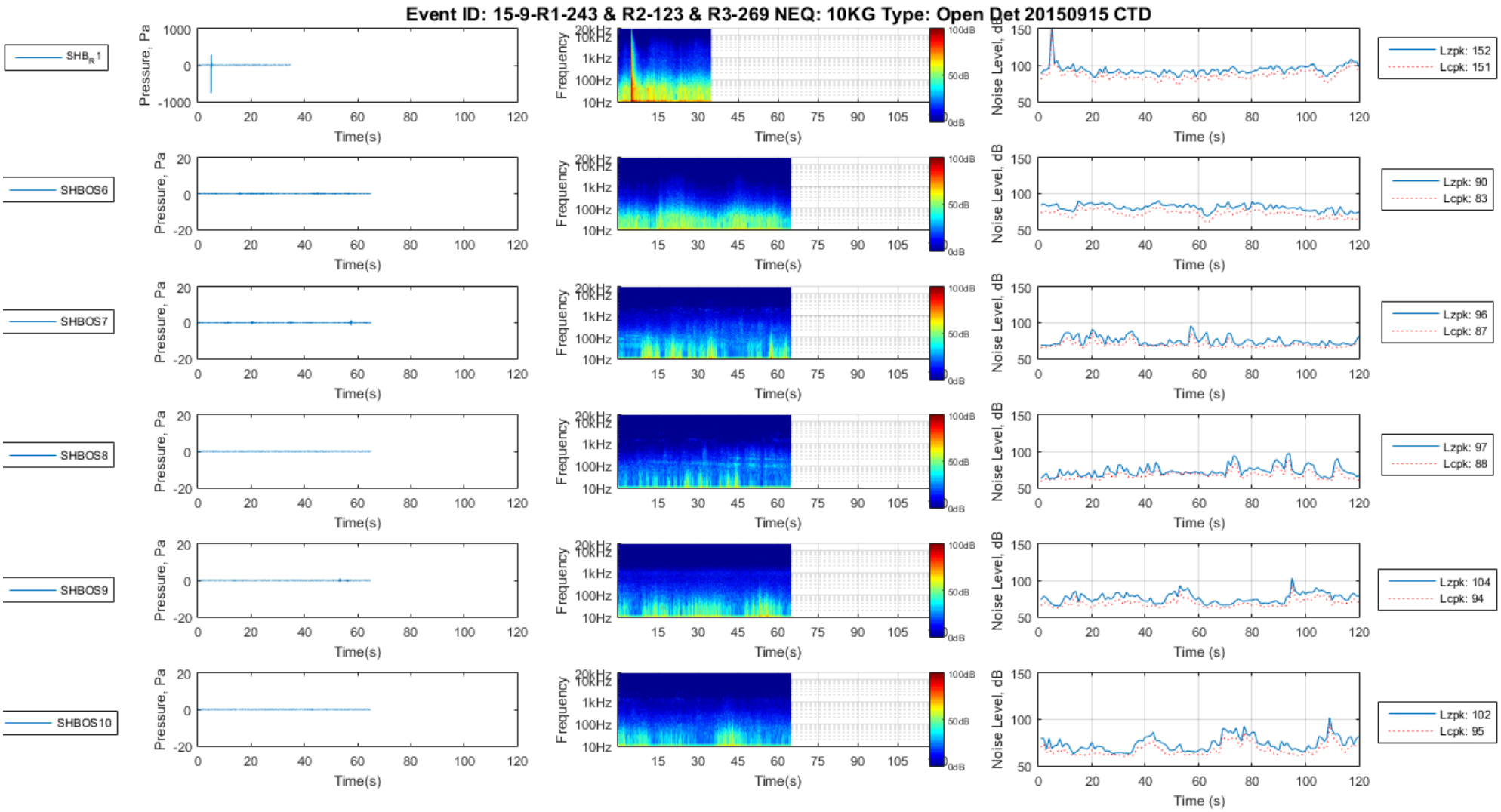


FIGURE 2.1027: SHB_OS 6 - 10 15-9-R1-243 & R2-123 & R3-269

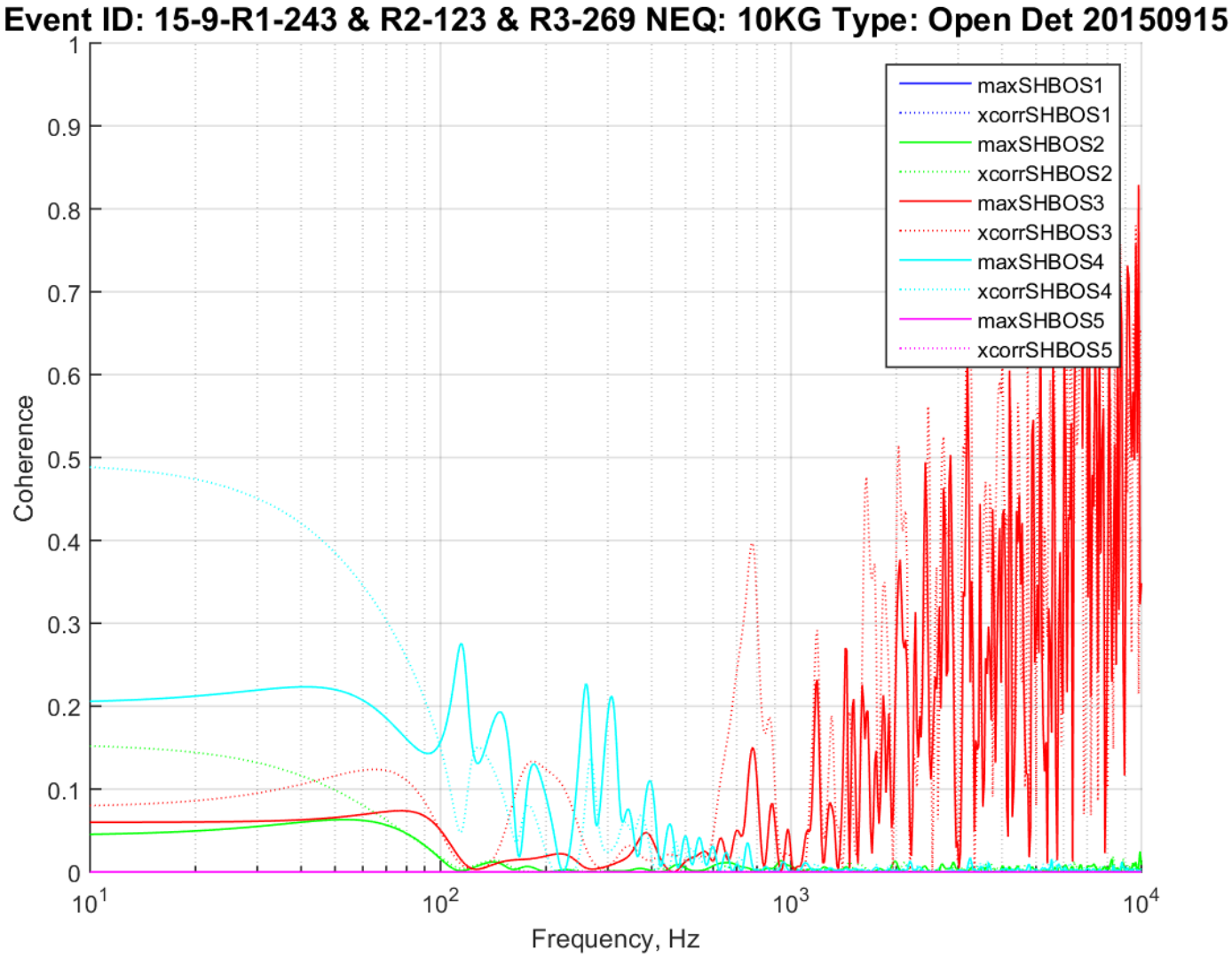


FIGURE 2.1028: COHERENCE SHB_OS 1 - 5 15-9-R1-243 & R2-123 & R3-269

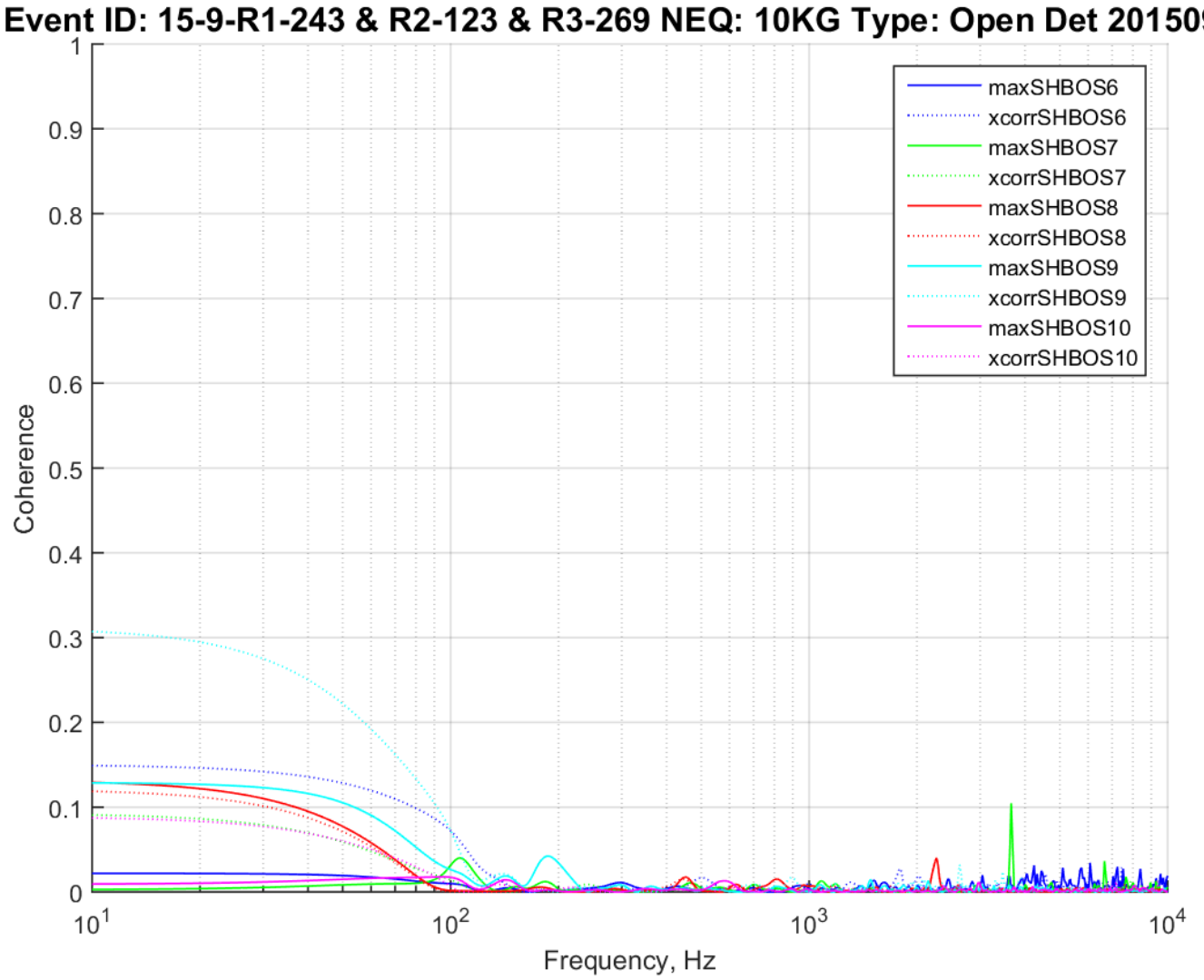


FIGURE 2.1029: COHERENCE SHB_OS 6 - 10 15-9-R1-243 & R2-123 & R3-269CTD

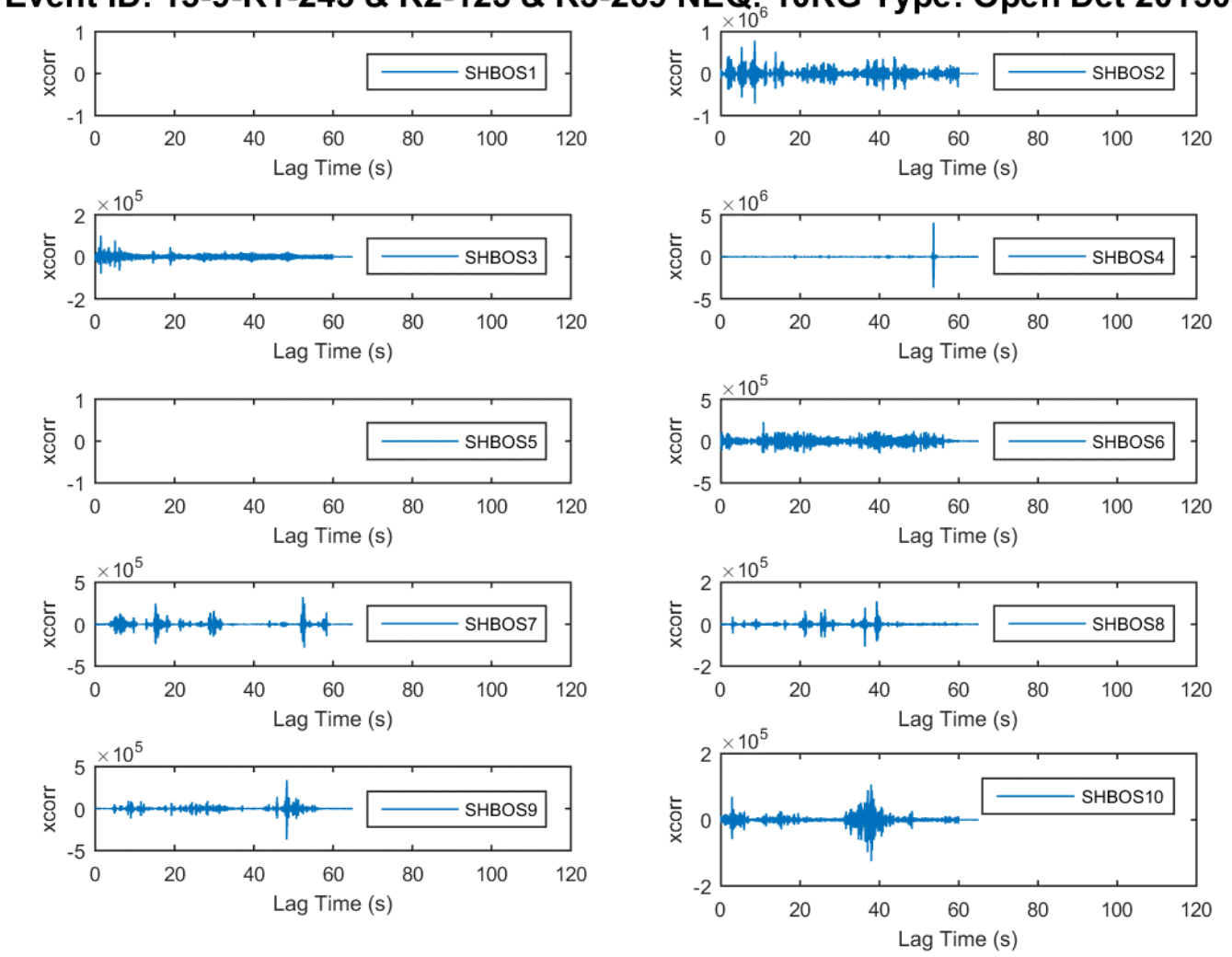


FIGURE 2.1030: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-243 & R2-123 & R3-269

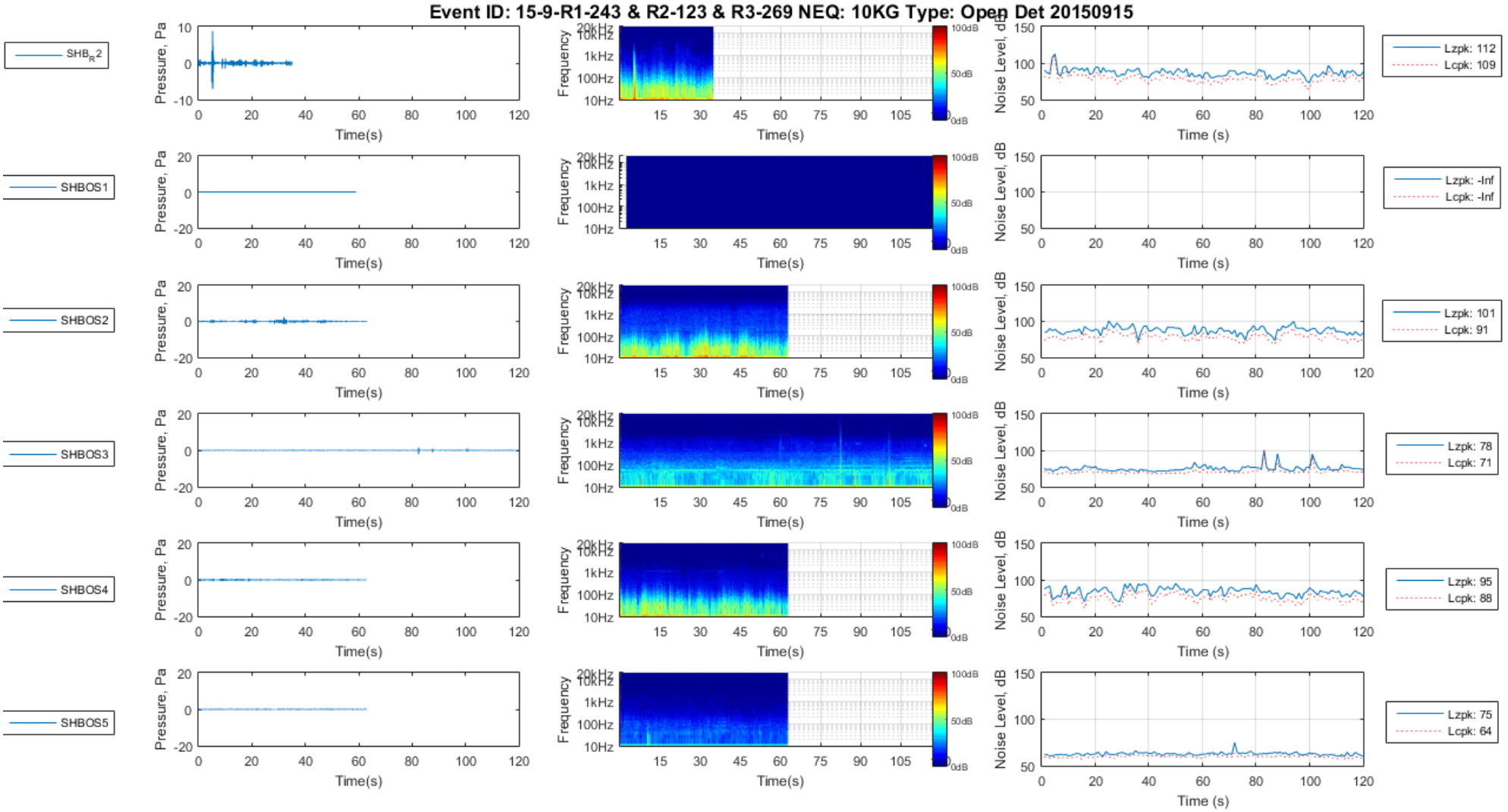


FIGURE 2.1031: SHB_OS 1 - 5 15-9-R1-243 & R2-123 & R3-269

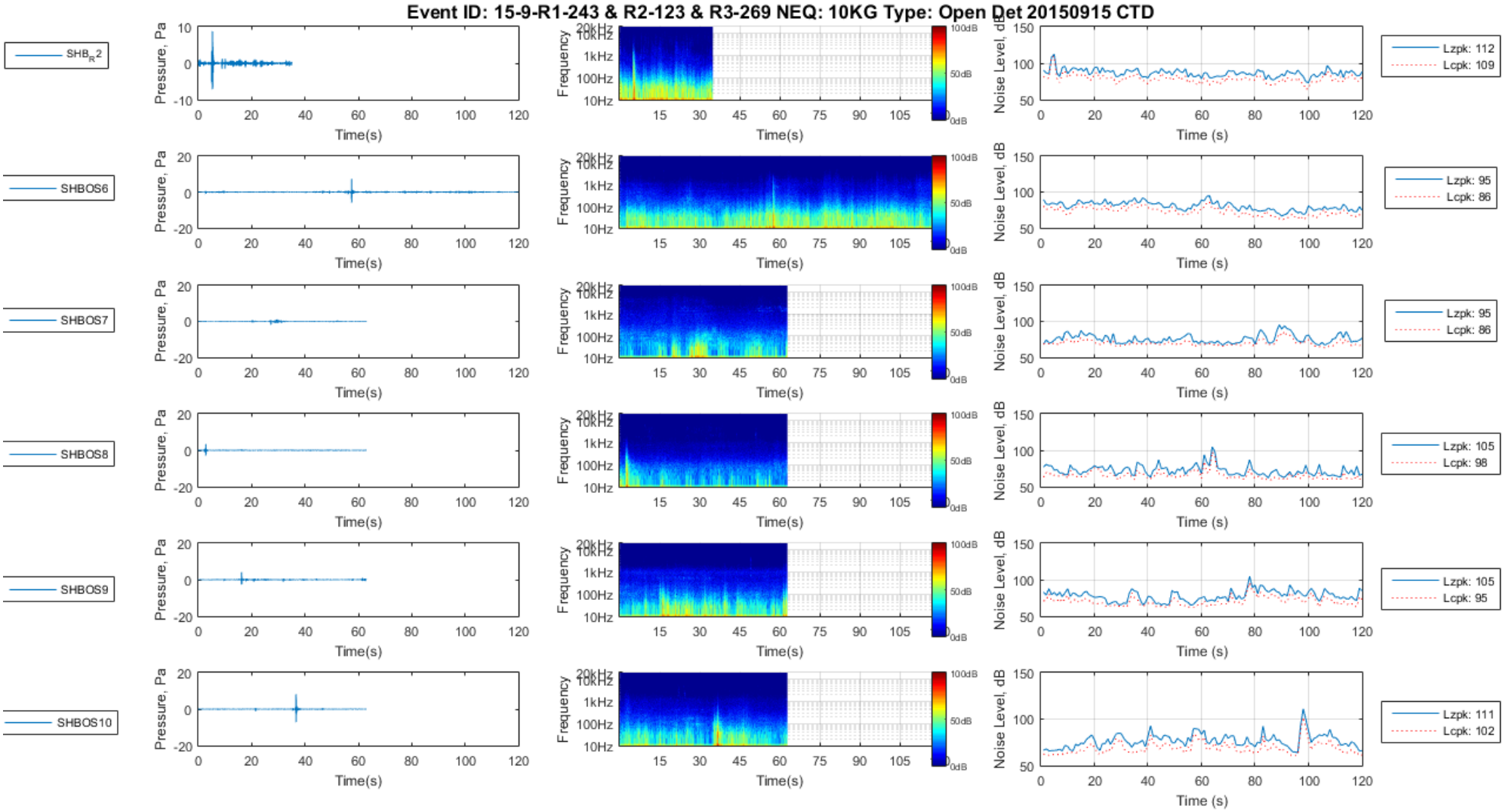


FIGURE 2.1032: SHB_OS 6 - 10 15-9-R1-243 & R2-123 & R3-269

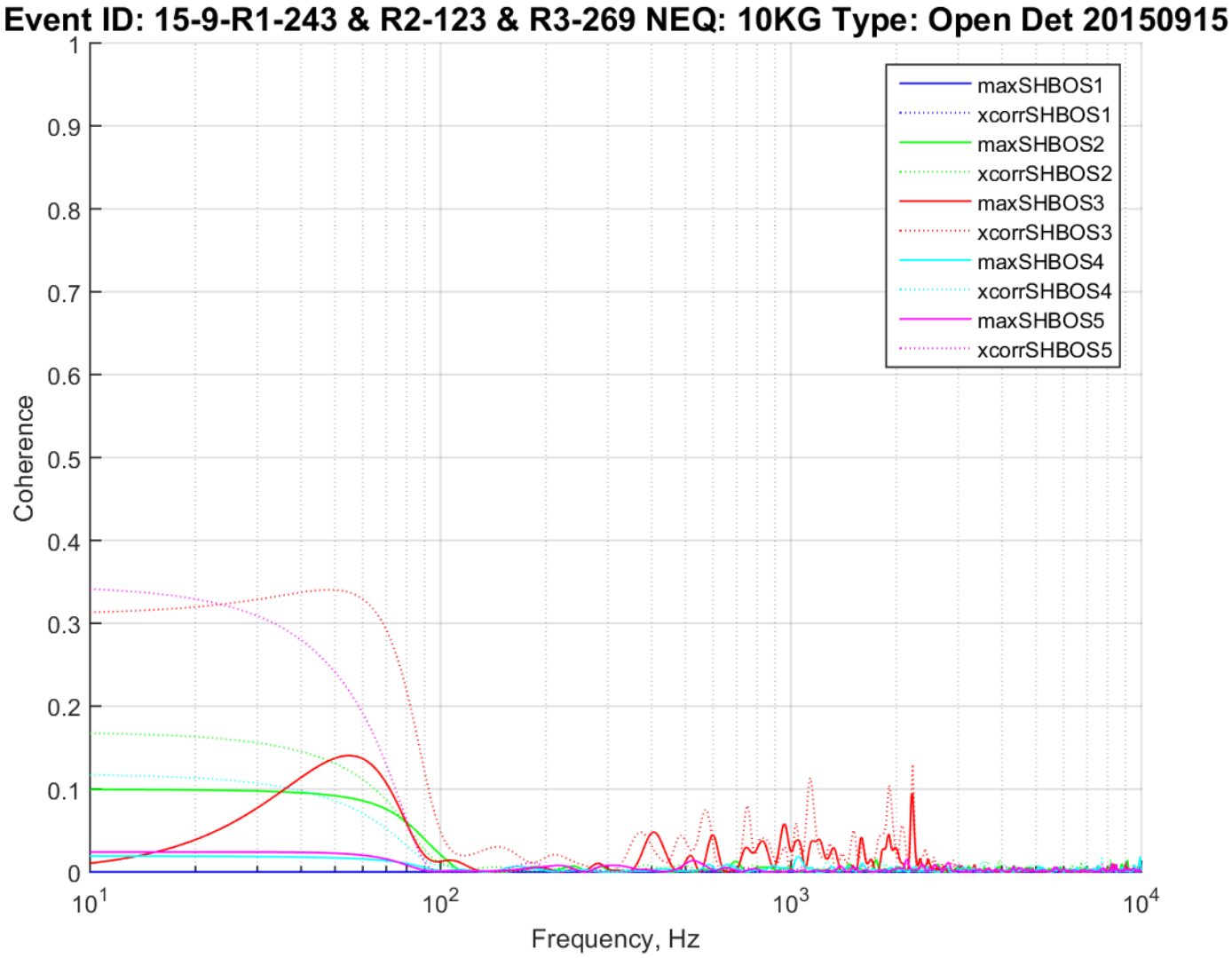


FIGURE 2.1033: COHERENCE SHB_OS 1 - 5 15-9-R1-243 & R2-123 & R3-269

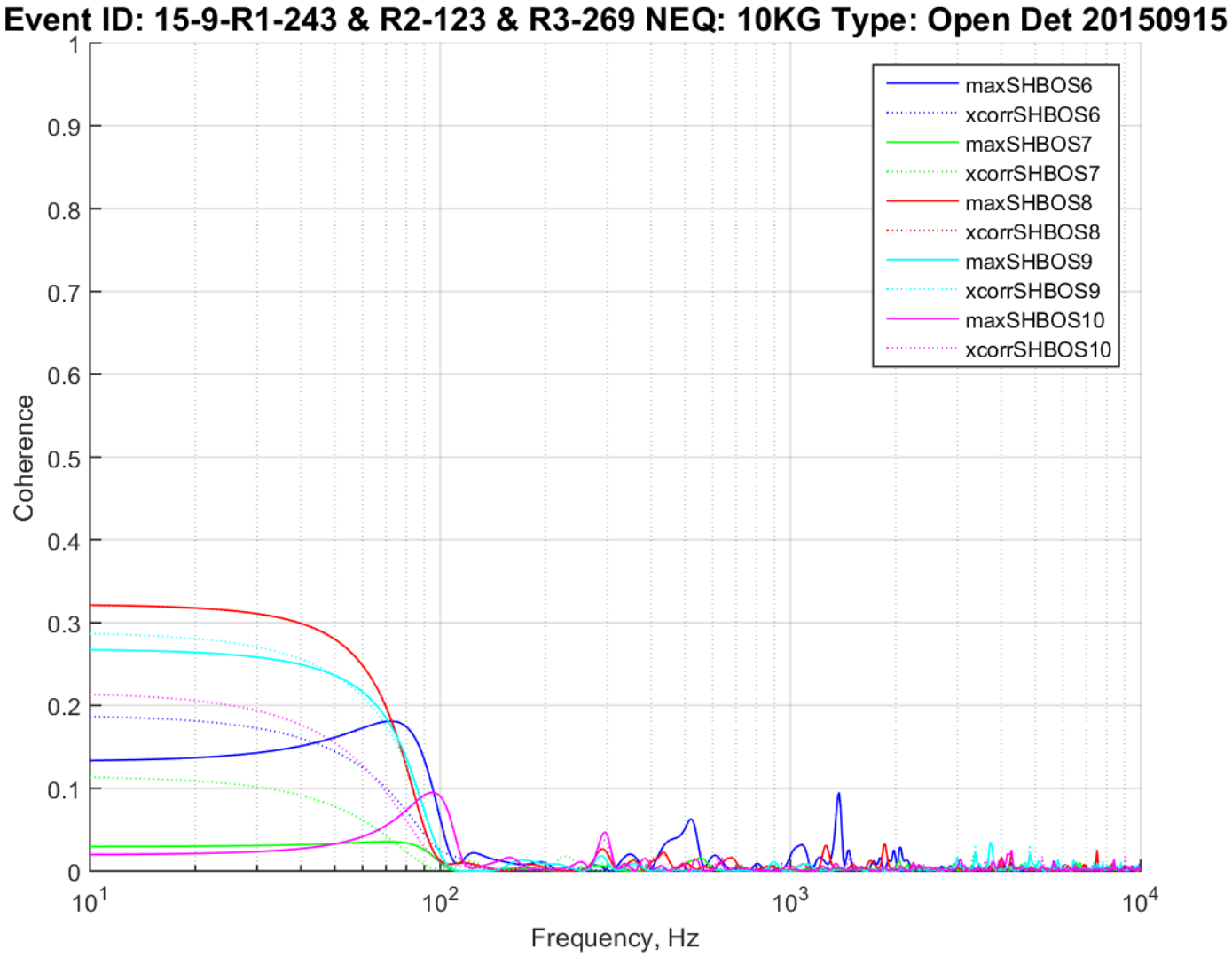


FIGURE 2.1034: COHERENCE SHB_OS 6 - 10 15-9-R1-243 & R2-123 & R3-269CTD

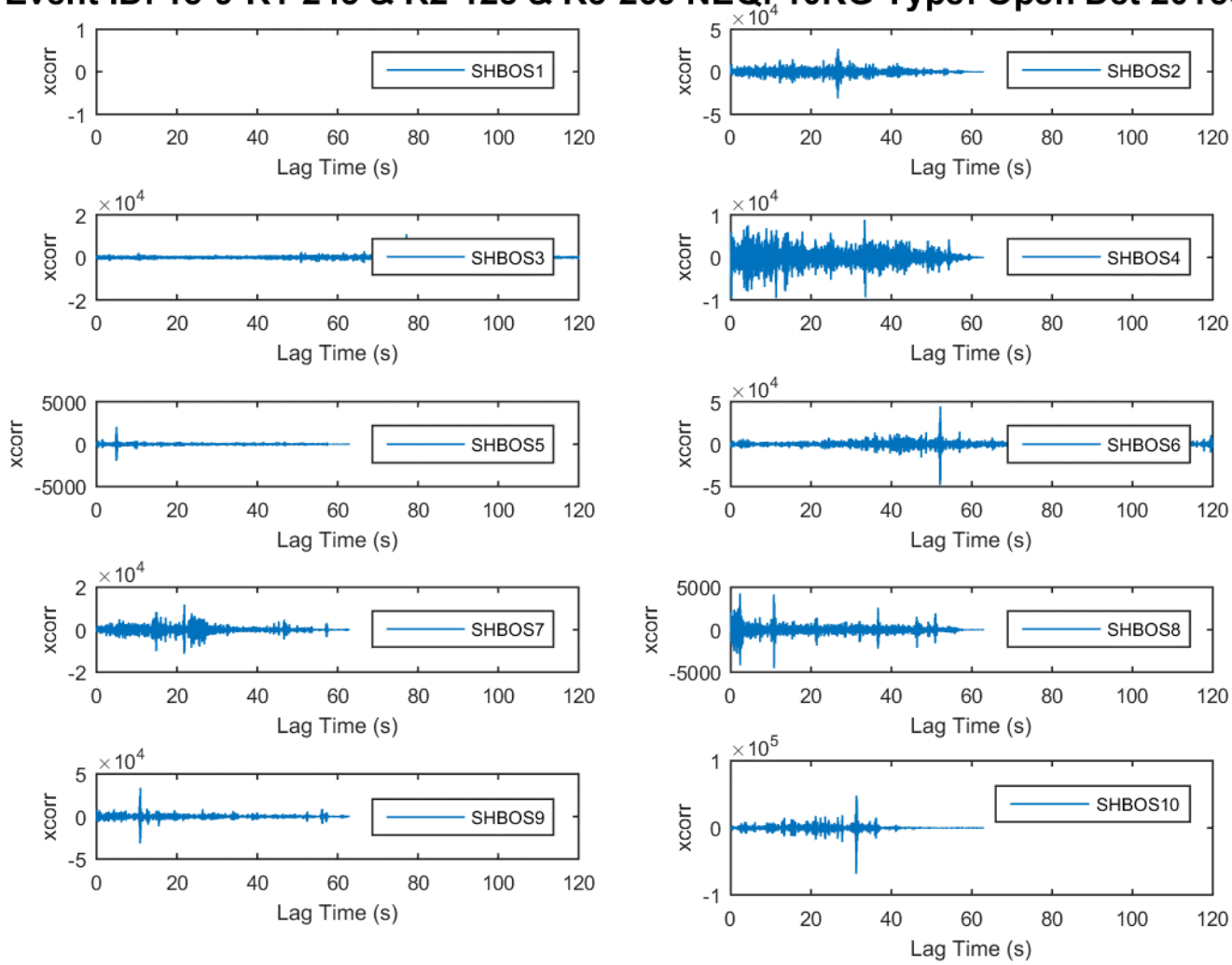


FIGURE 2.1035: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-243 & R2-123 & R3-269

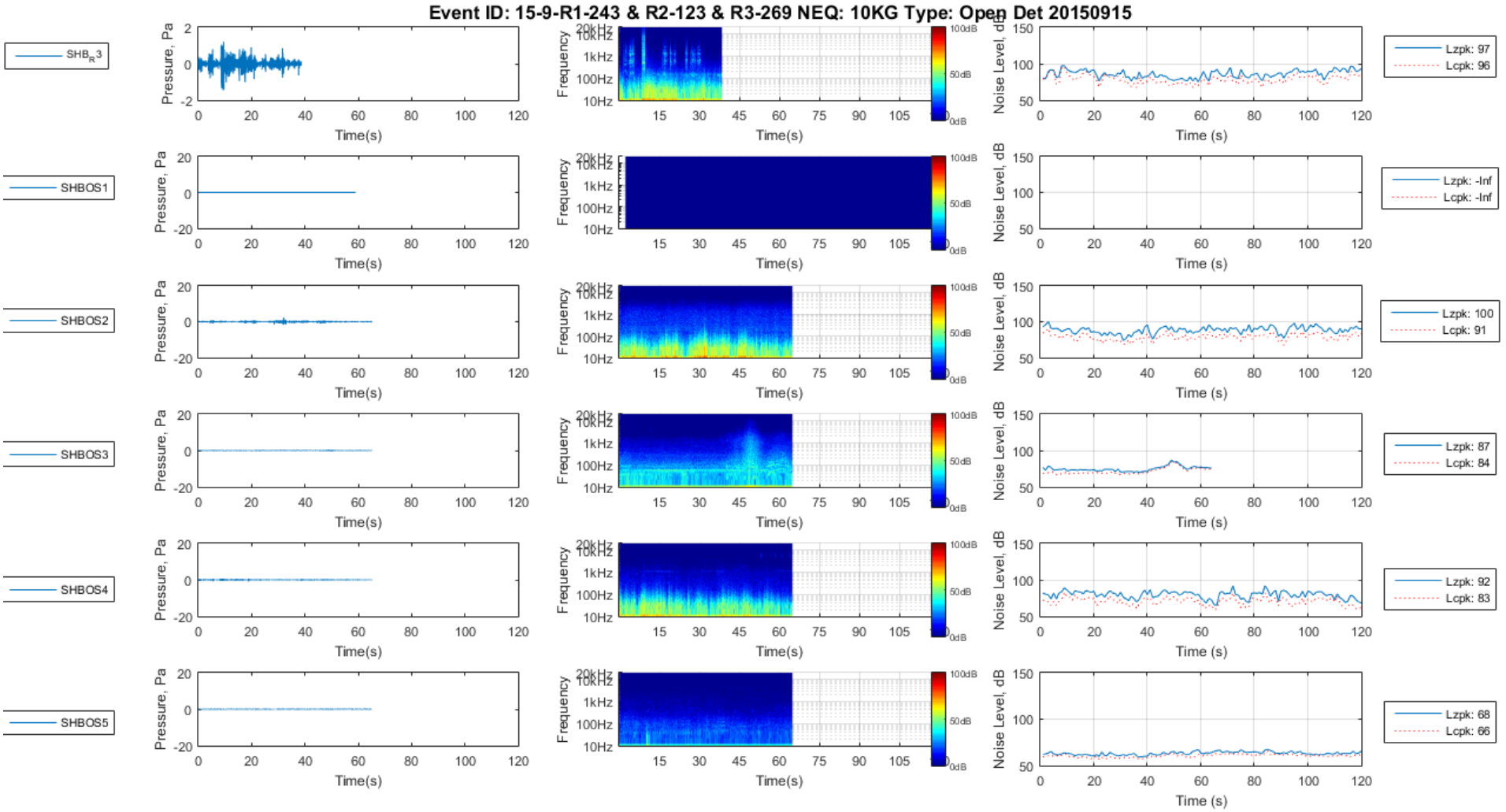


FIGURE 2.1036: SHB_OS 1 - 5 15-9-R1-243 & R2-123 & R3-269

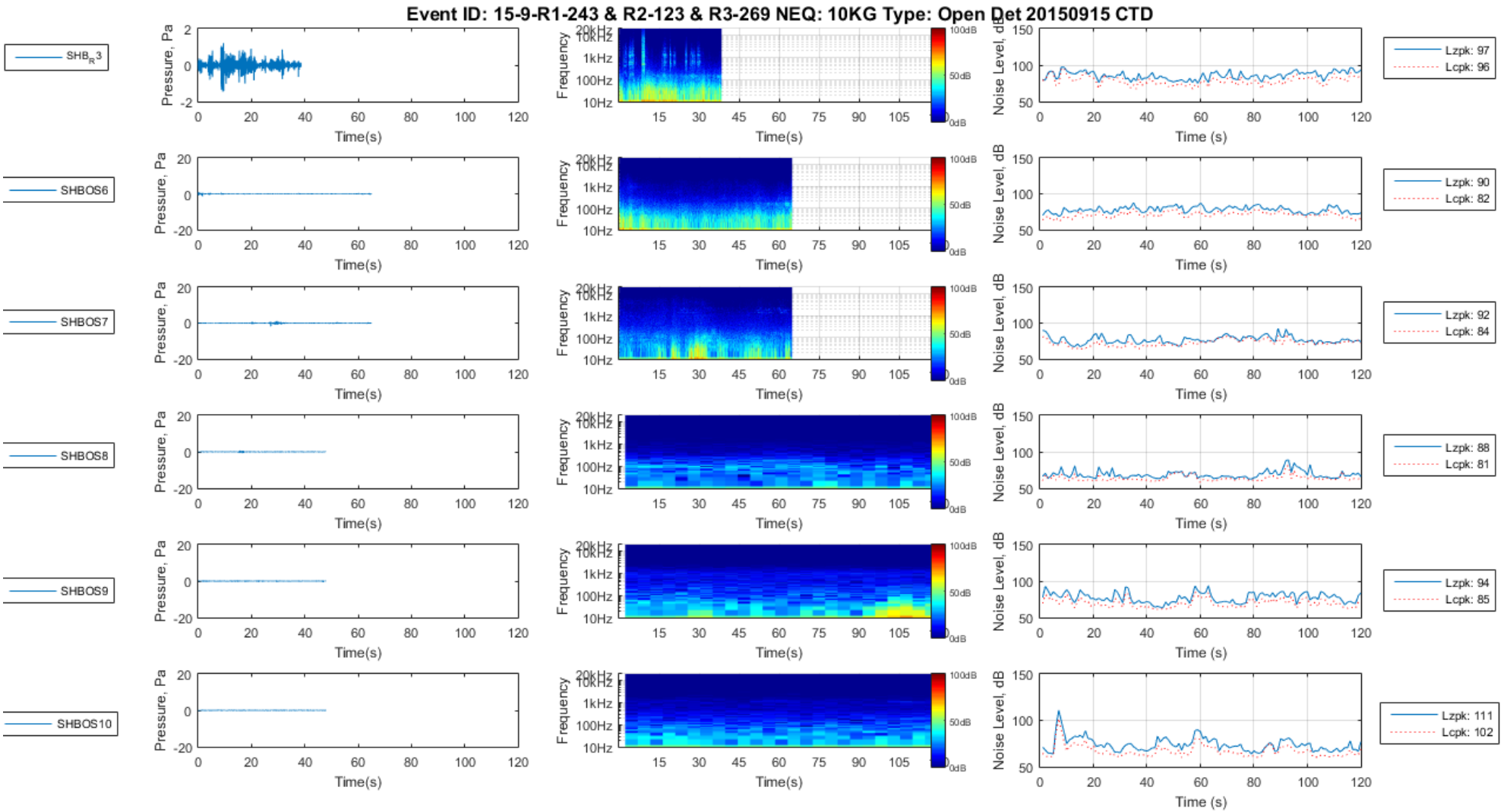


FIGURE 2.1037: SHB_OS 6 - 10 15-9-R1-243 & R2-123 & R3-269

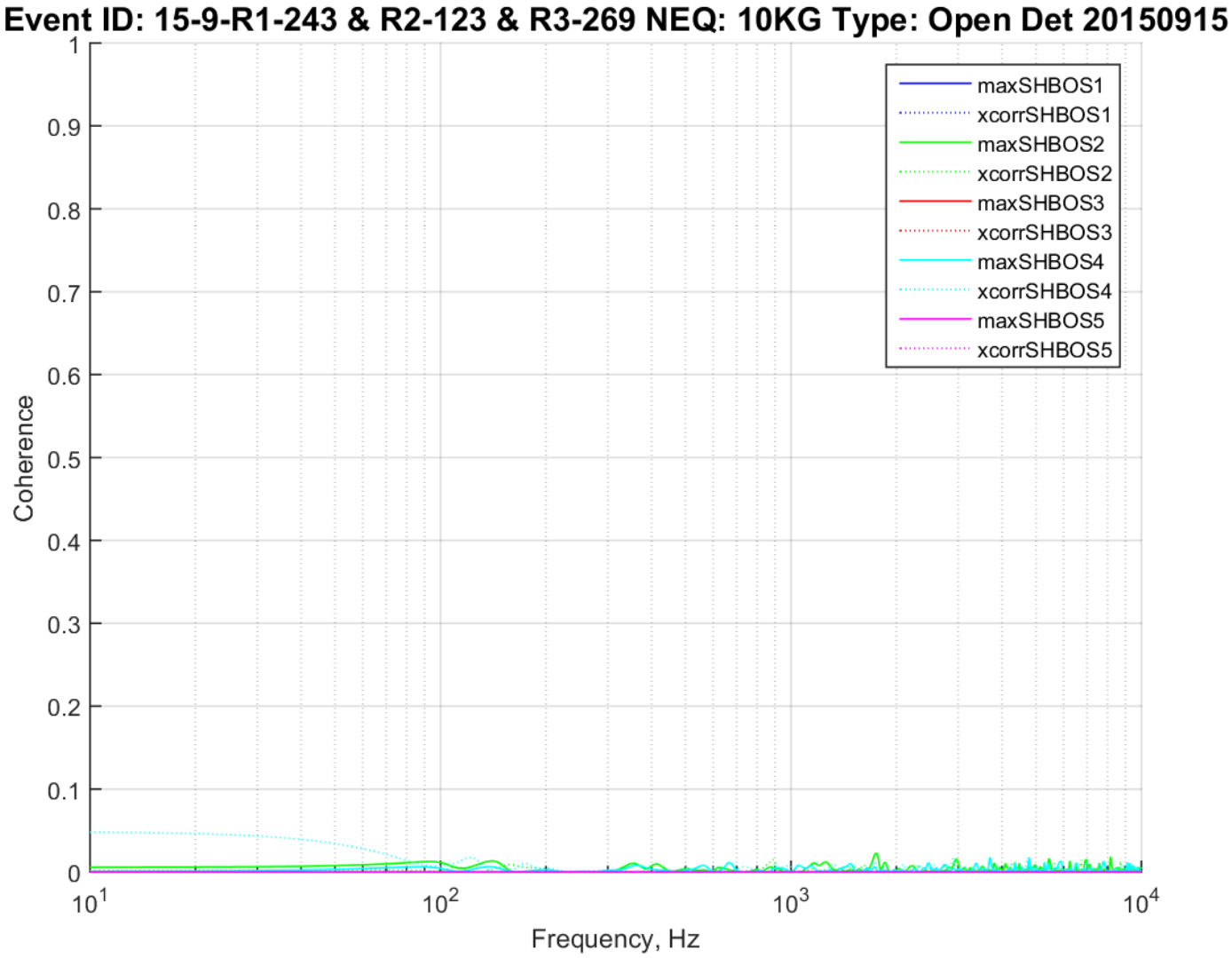


FIGURE 2.1038: COHERENCE SHB_OS 1 - 5 15-9-R1-243 & R2-123 & R3-269

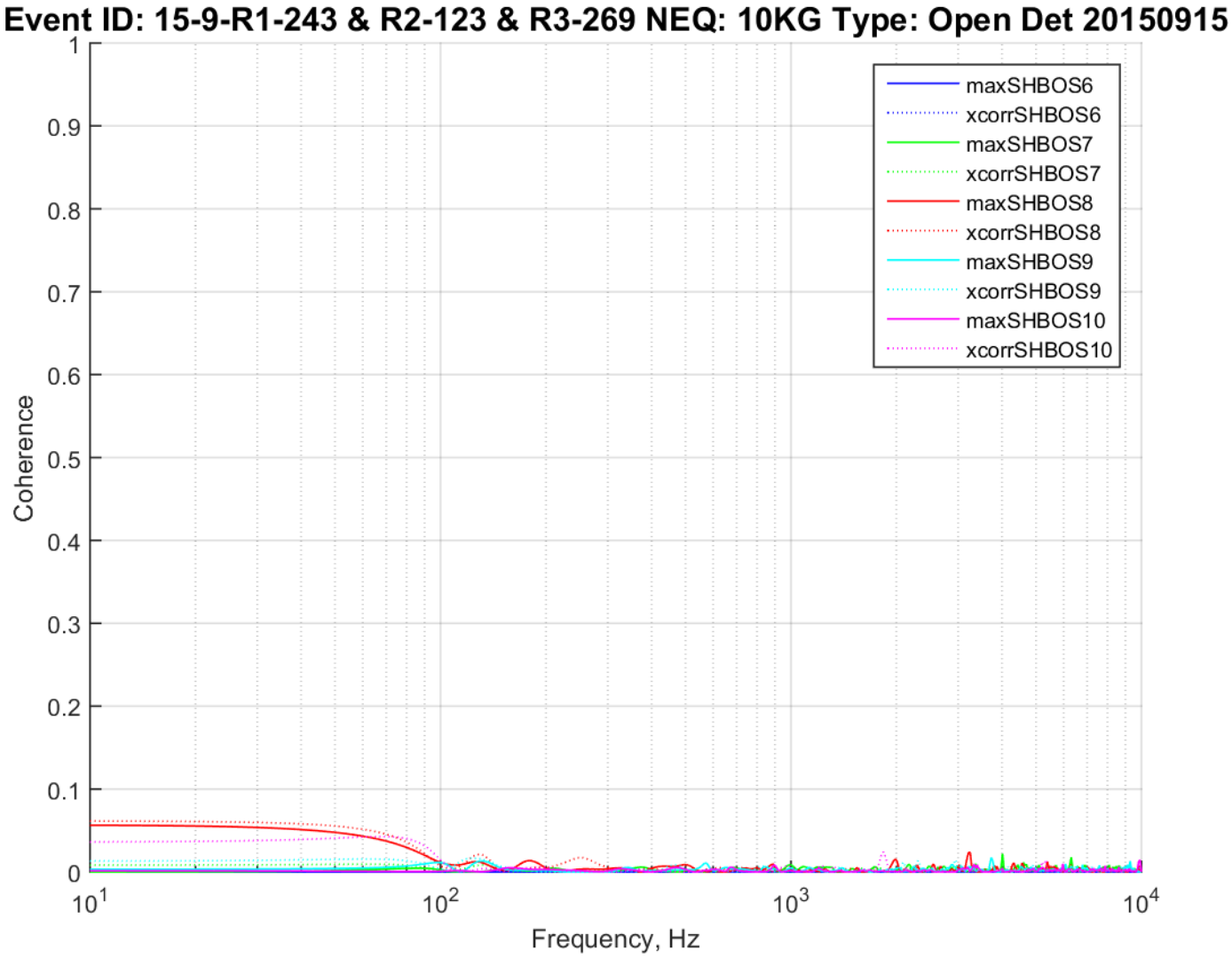


FIGURE 2.1039: COHERENCE SHB_OS 6 - 10 15-9-R1-243 & R2-123 & R3-269CTD

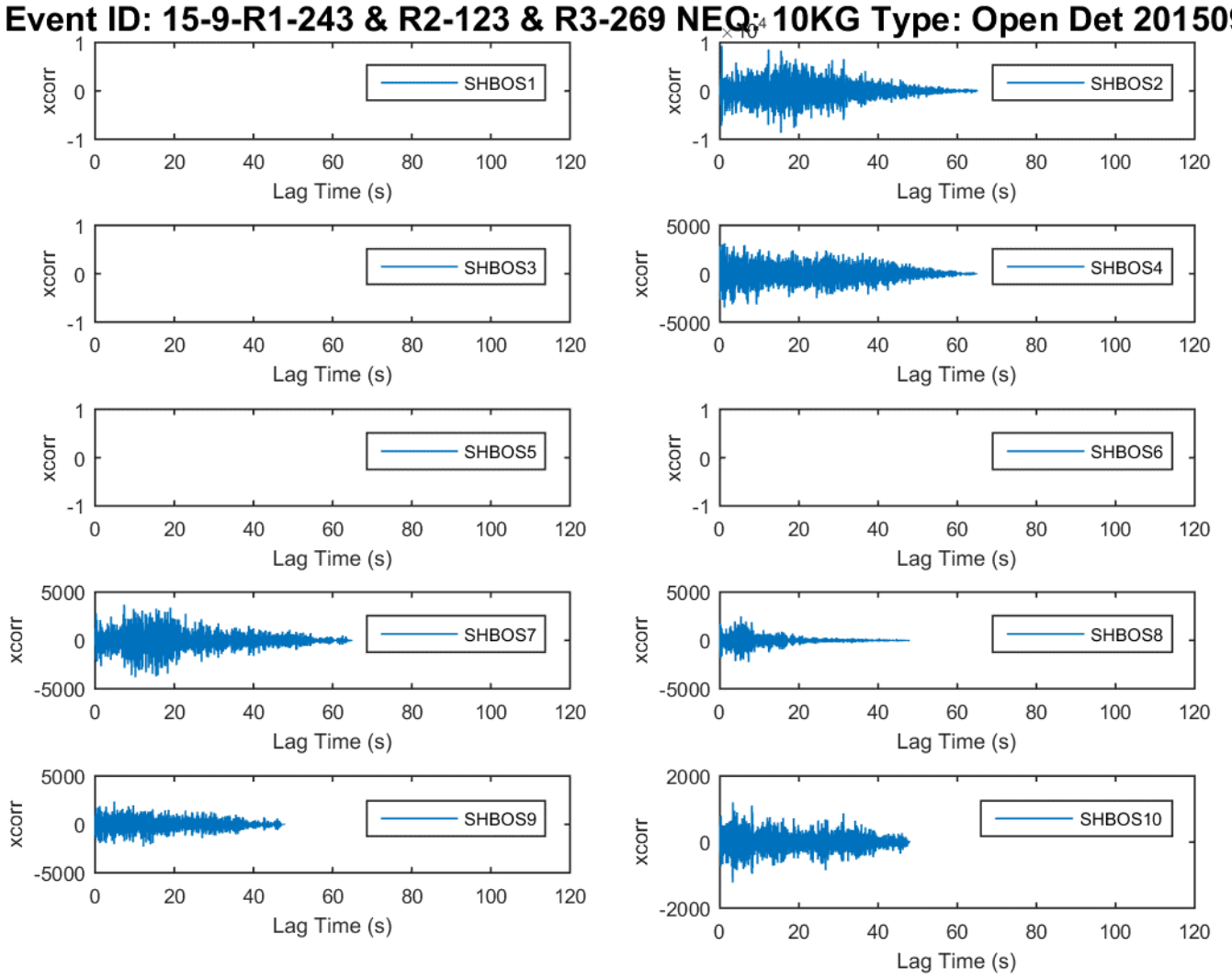


FIGURE 2.1040: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-243 & R2-123 & R3-269

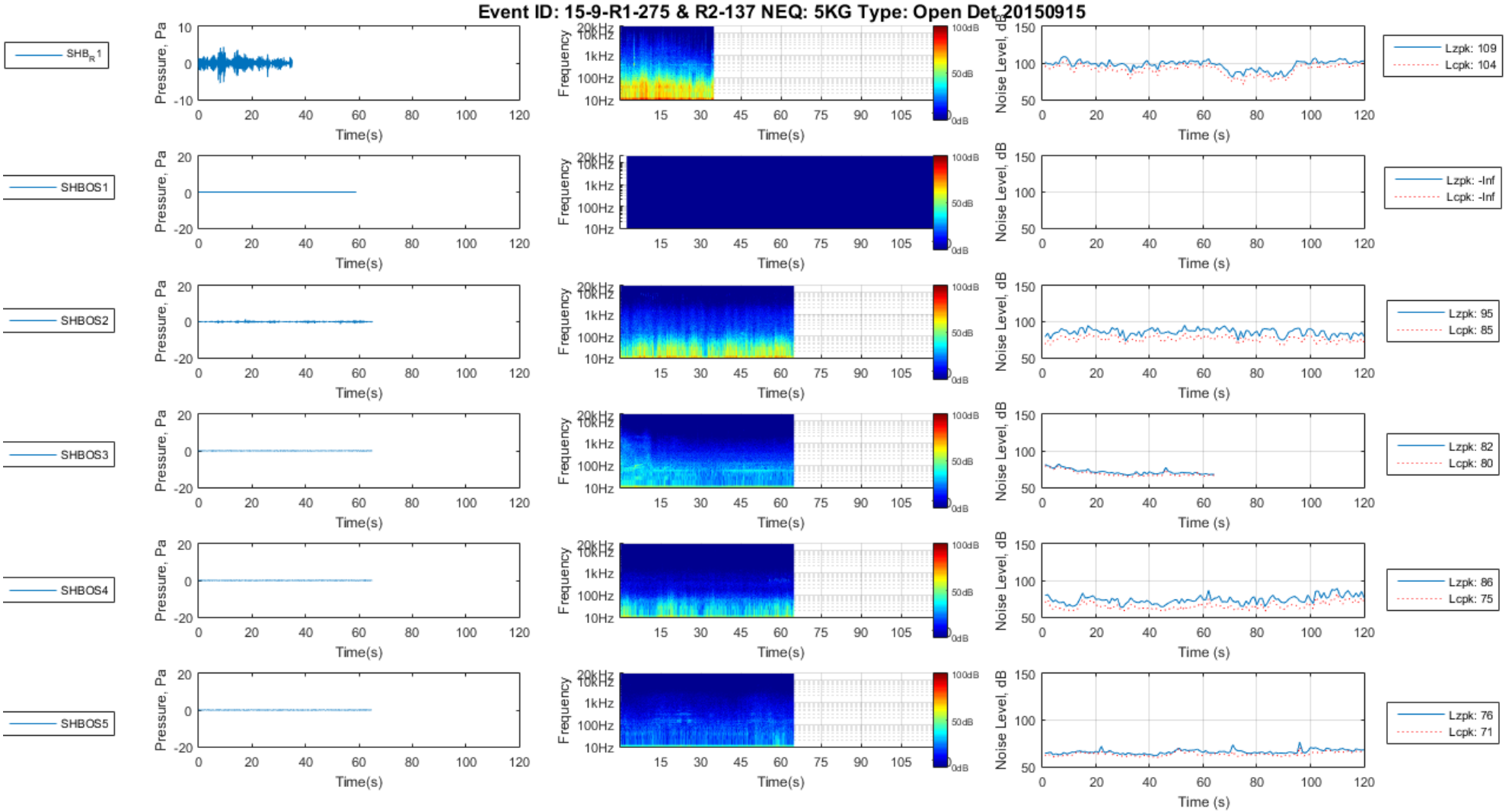


FIGURE 2.1041: SHB_OS 1 - 5 15-9-R1-275 & R2-137

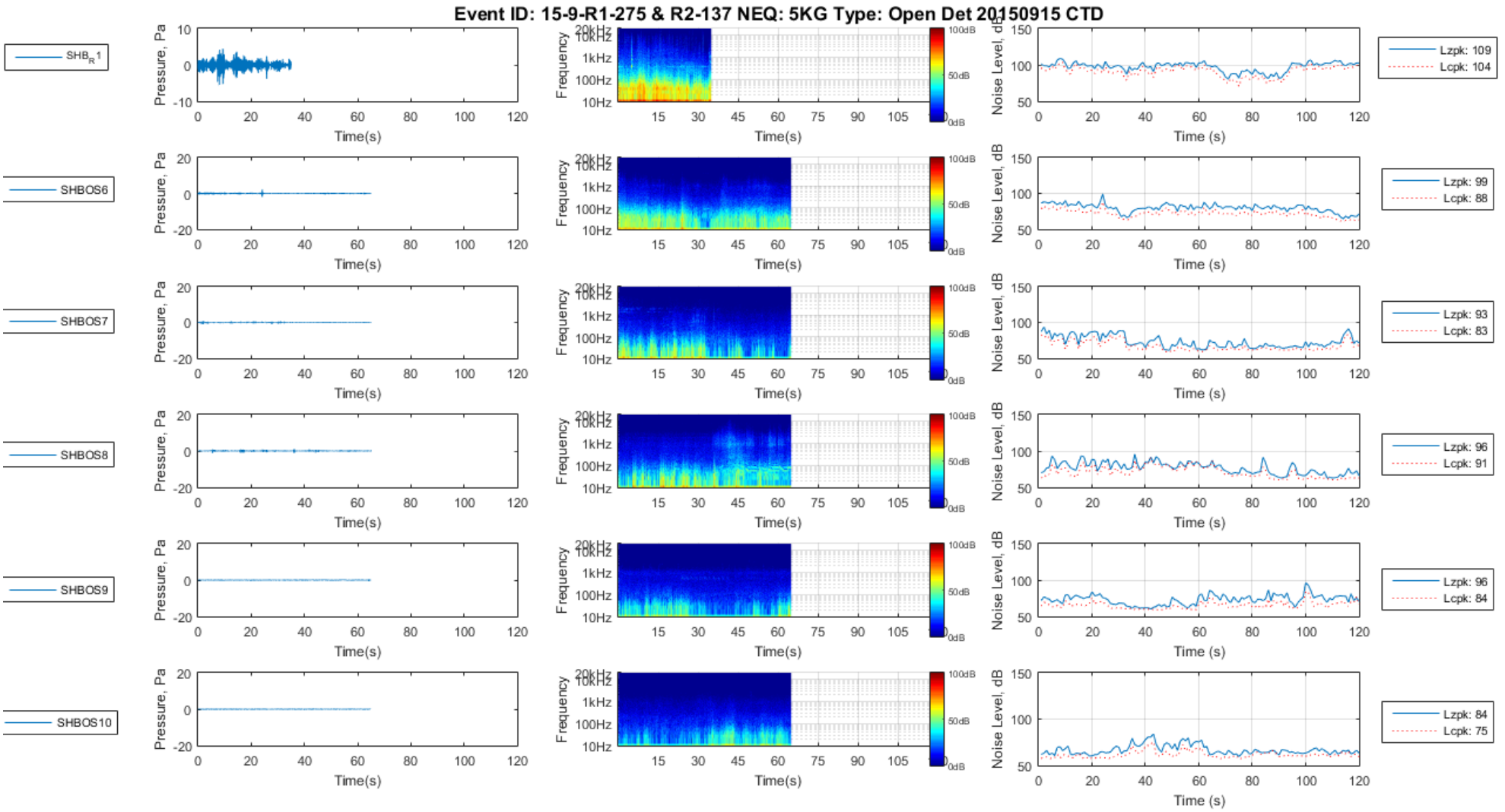


FIGURE 2.1042: SHB_OS 6 - 10 15-9-R1-275 & R2-137

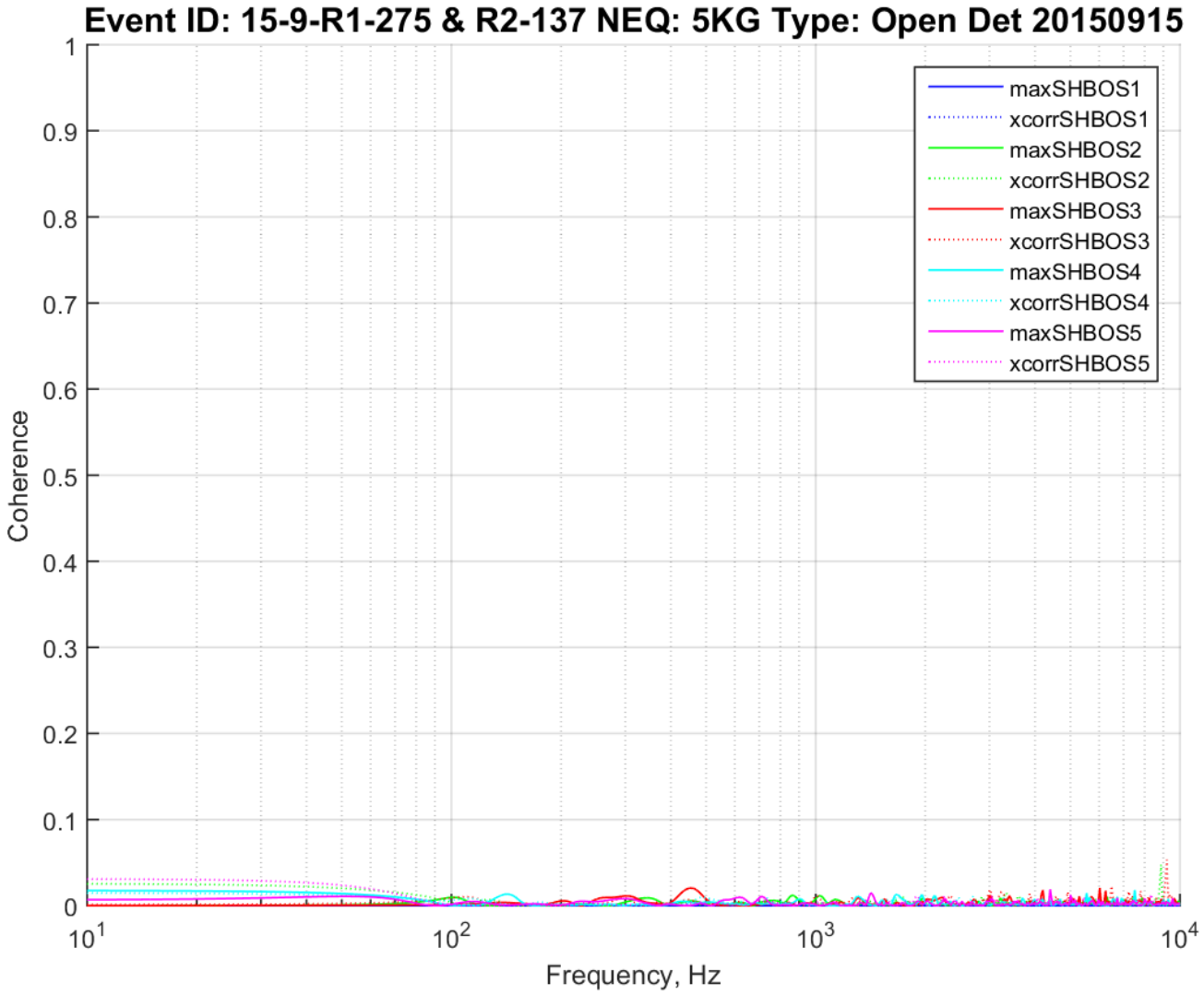


FIGURE 2.1043: COHERENCE SHB_OS 1 - 5 15-9-R1-275 & R2-137

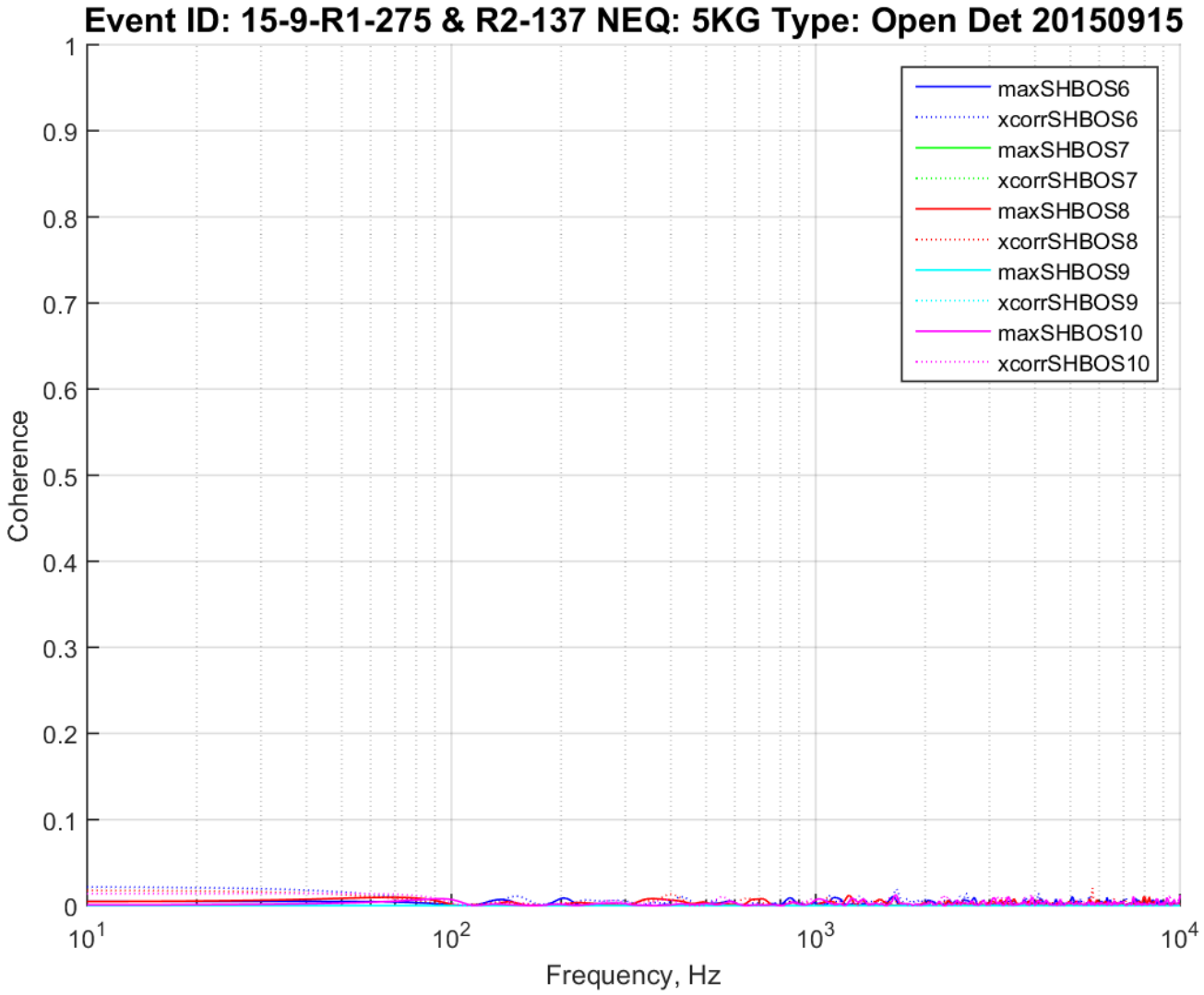


FIGURE 2.1044: COHERENCE SHB_OS 6 - 10 15-9-R1-275 & R2-137CTD

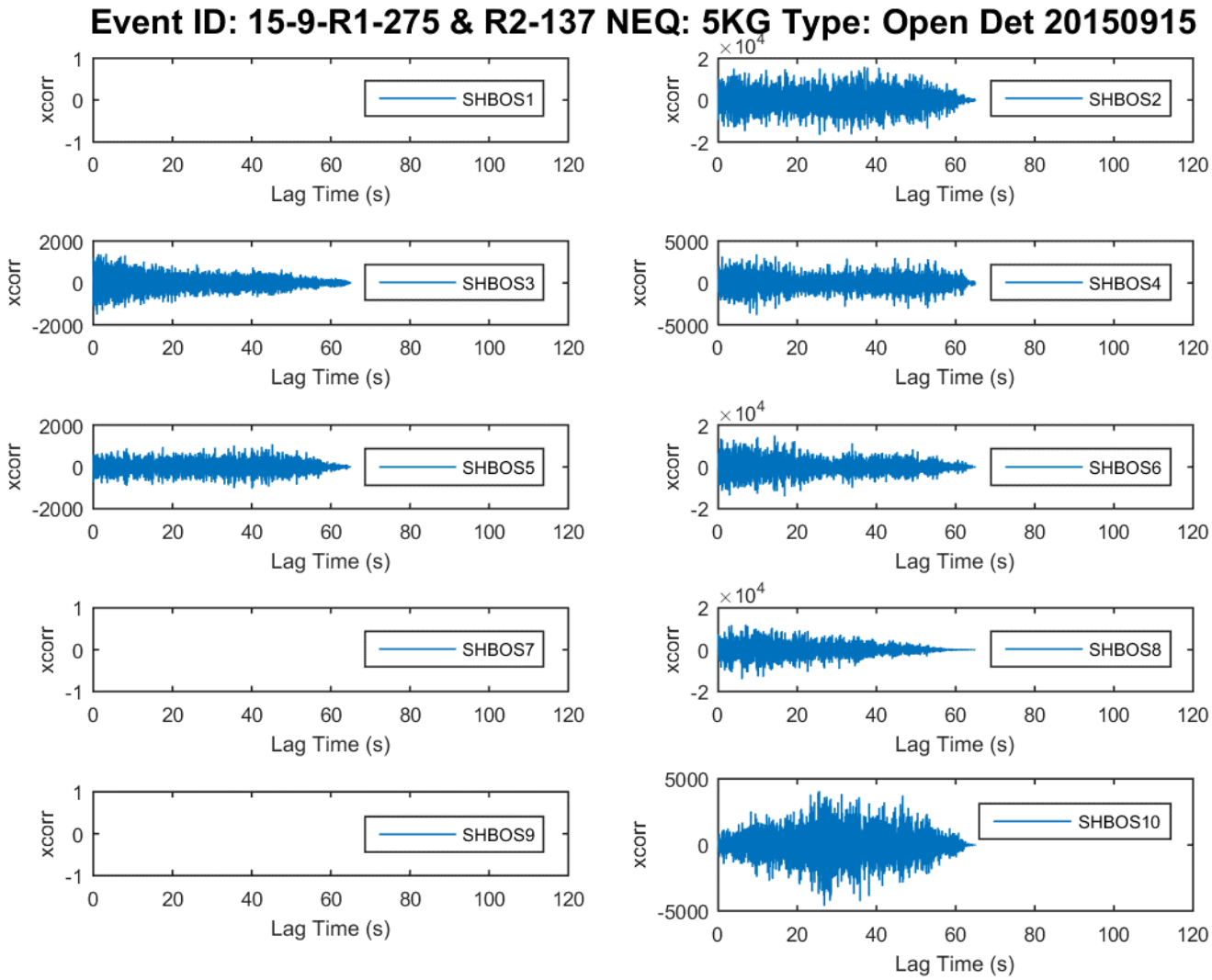


FIGURE 2.1045: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-275 & R2-137

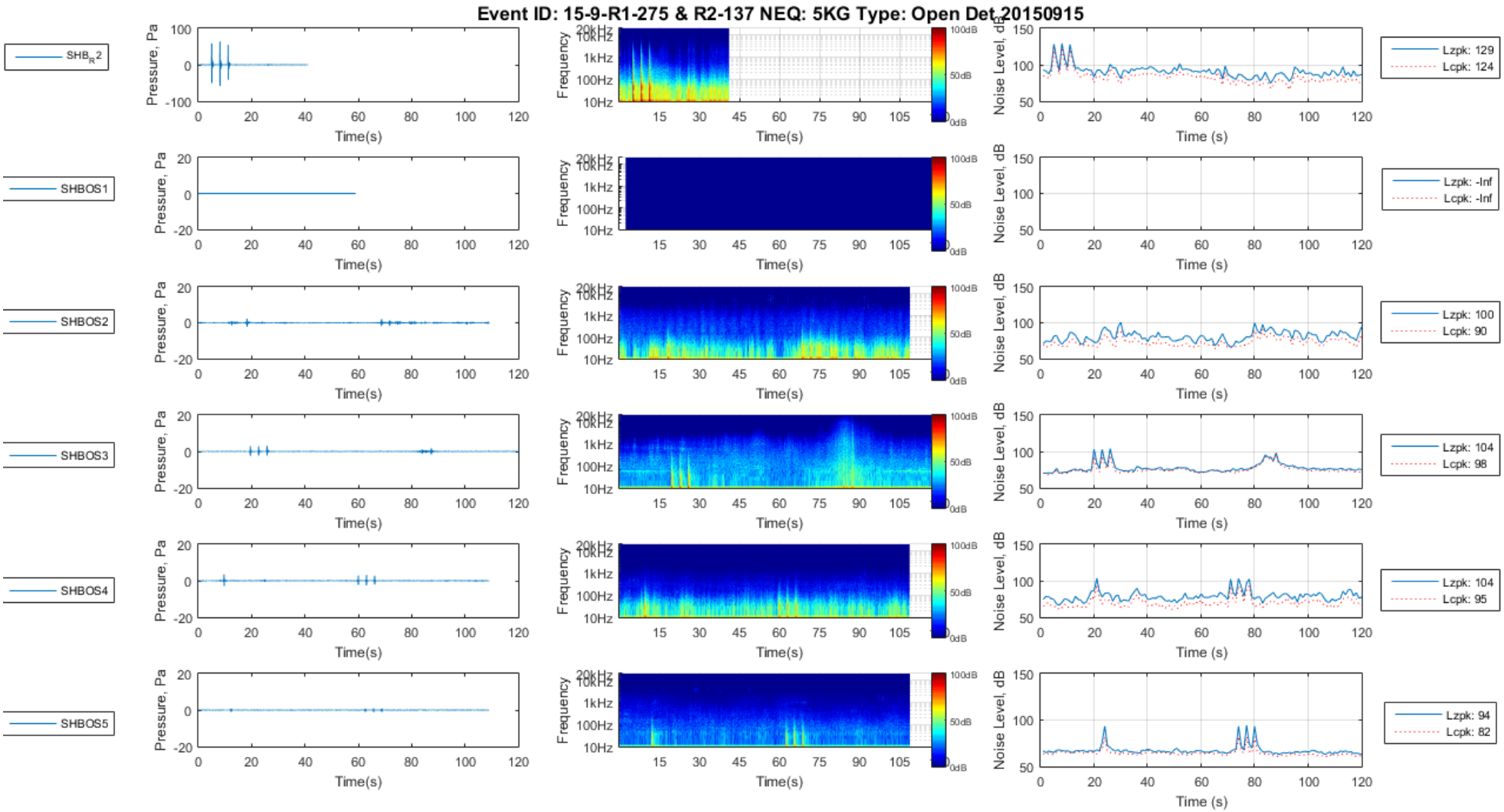


FIGURE 2.1046: SHB_OS 1 - 5 15-9-R1-275 & R2-137

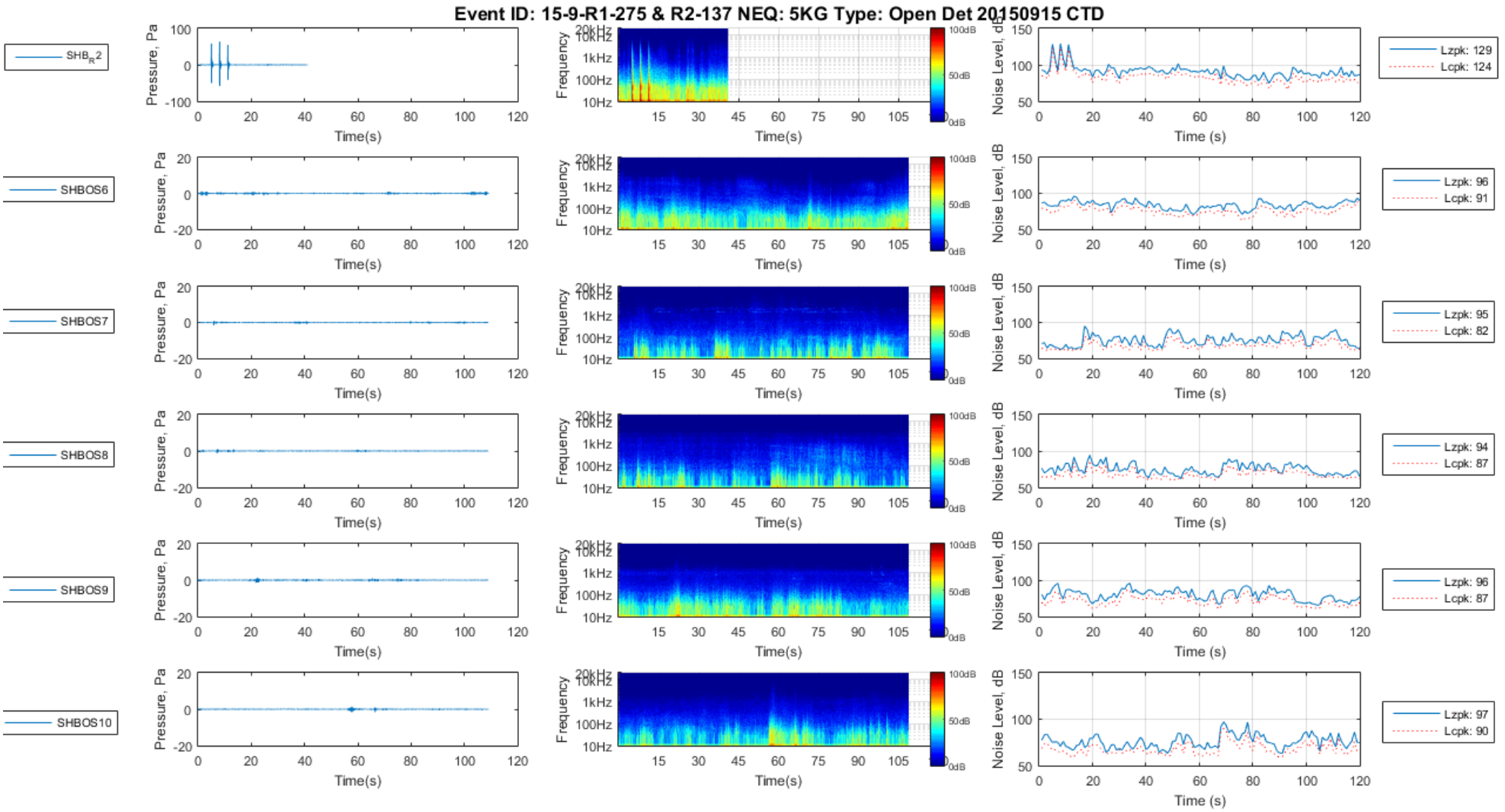


FIGURE 2.1047: SHB_OS 6 - 10 15-9-R1-275 & R2-137

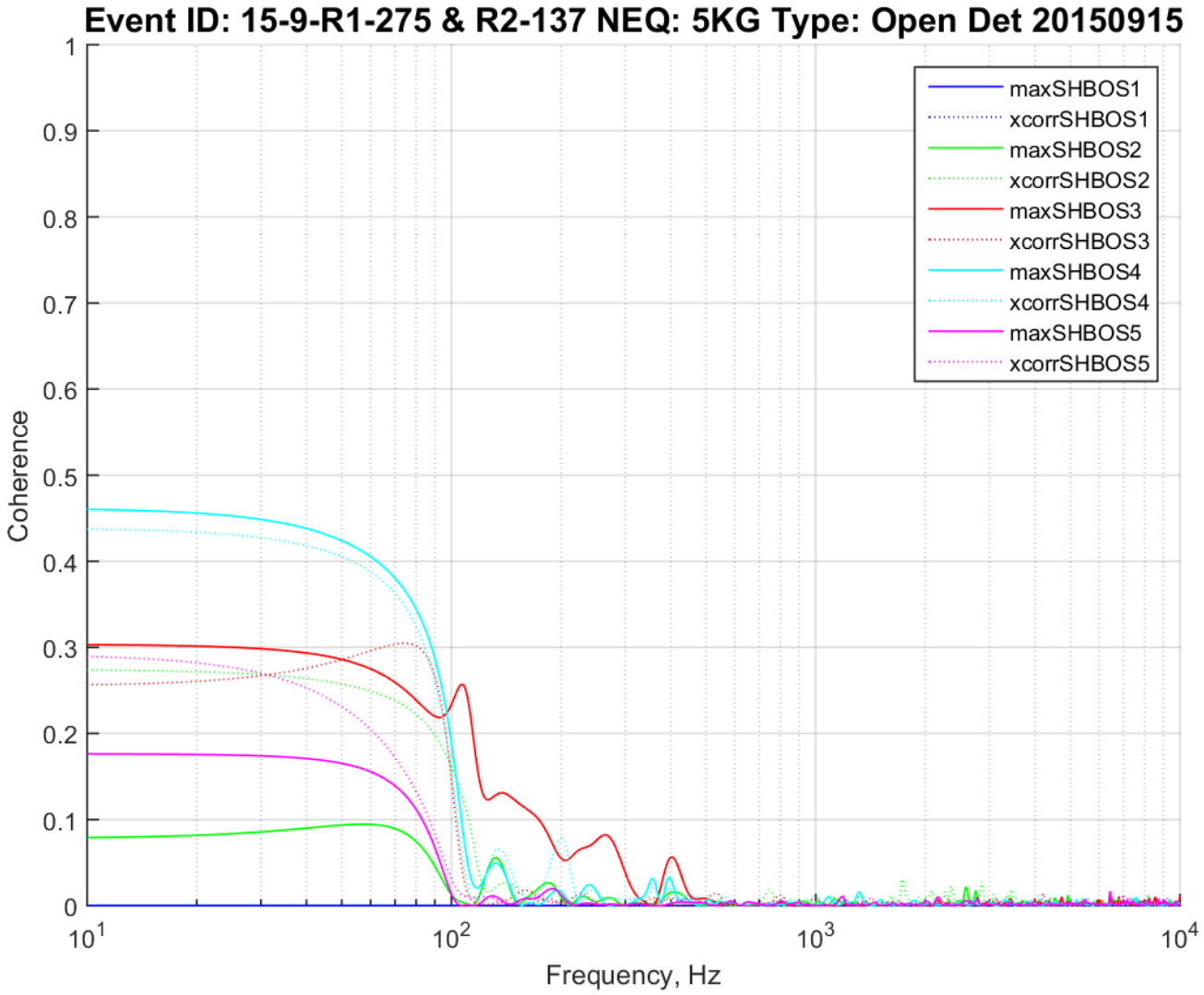


FIGURE 2.1048: COHERENCE SHB_OS 1 - 5 15-9-R1-275 & R2-137

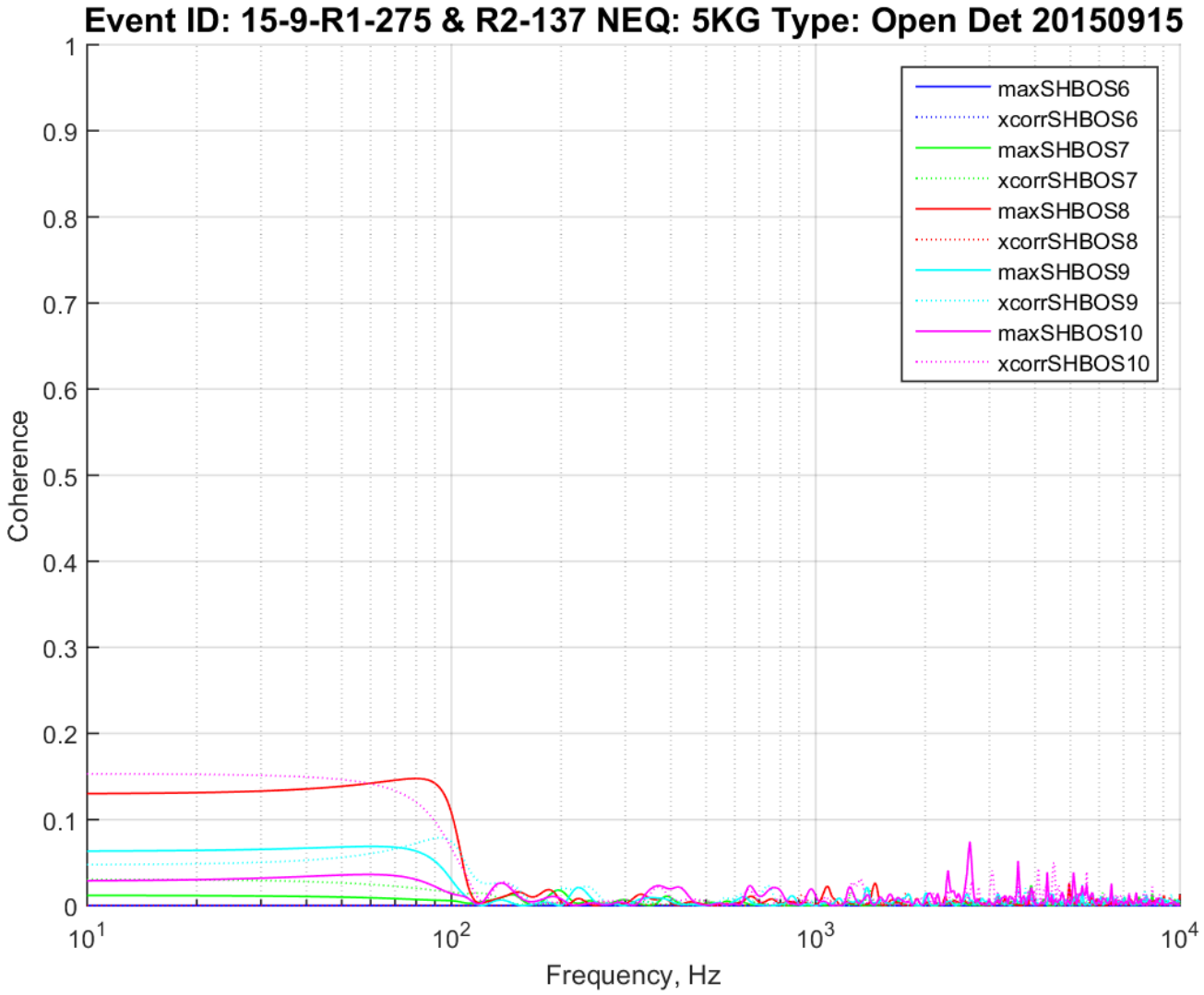


FIGURE 2.1049: COHERENCE SHB_OS 6 - 10 15-9-R1-275 & R2-137CTD

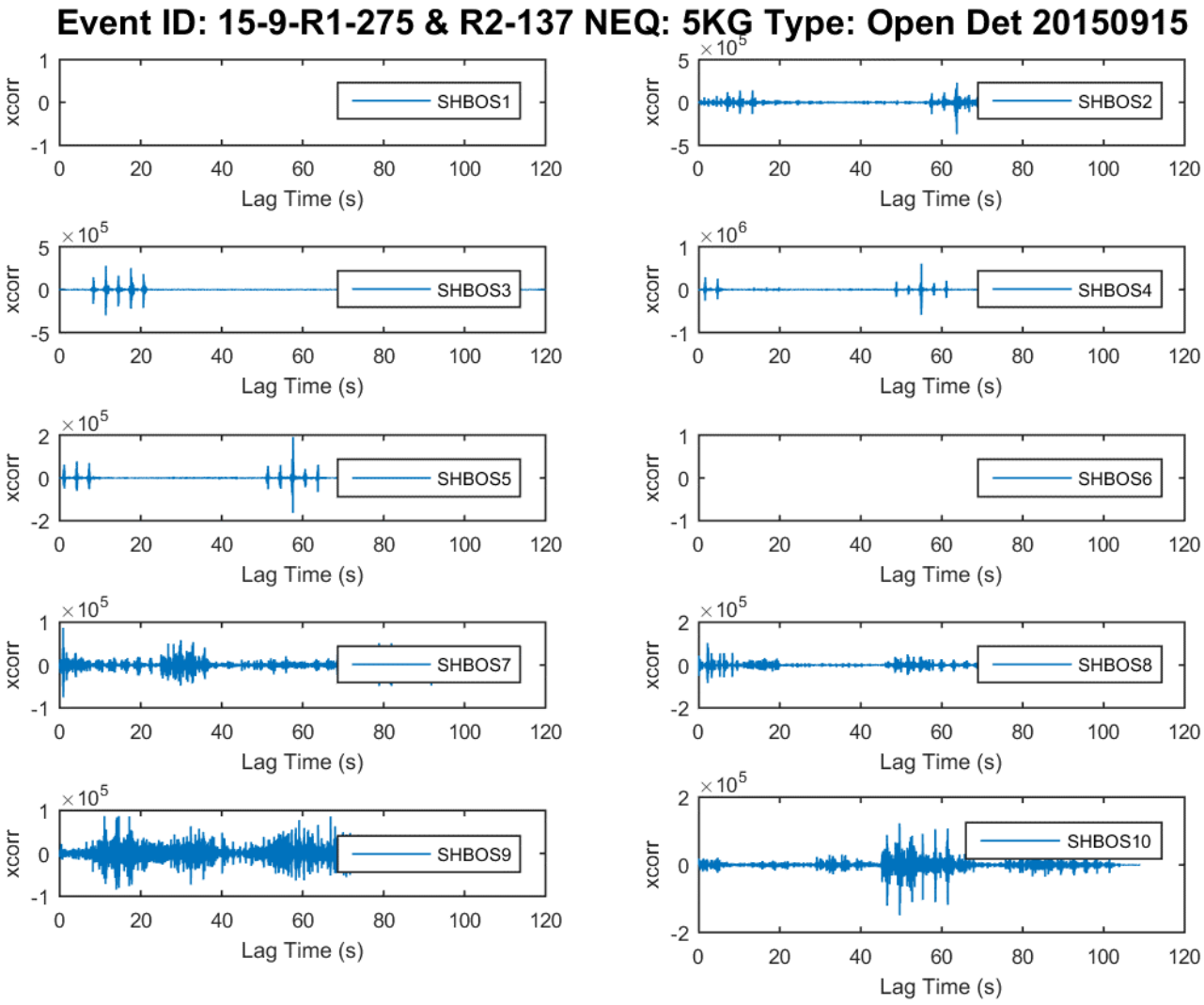


FIGURE 2.1050: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-275 & R2-137

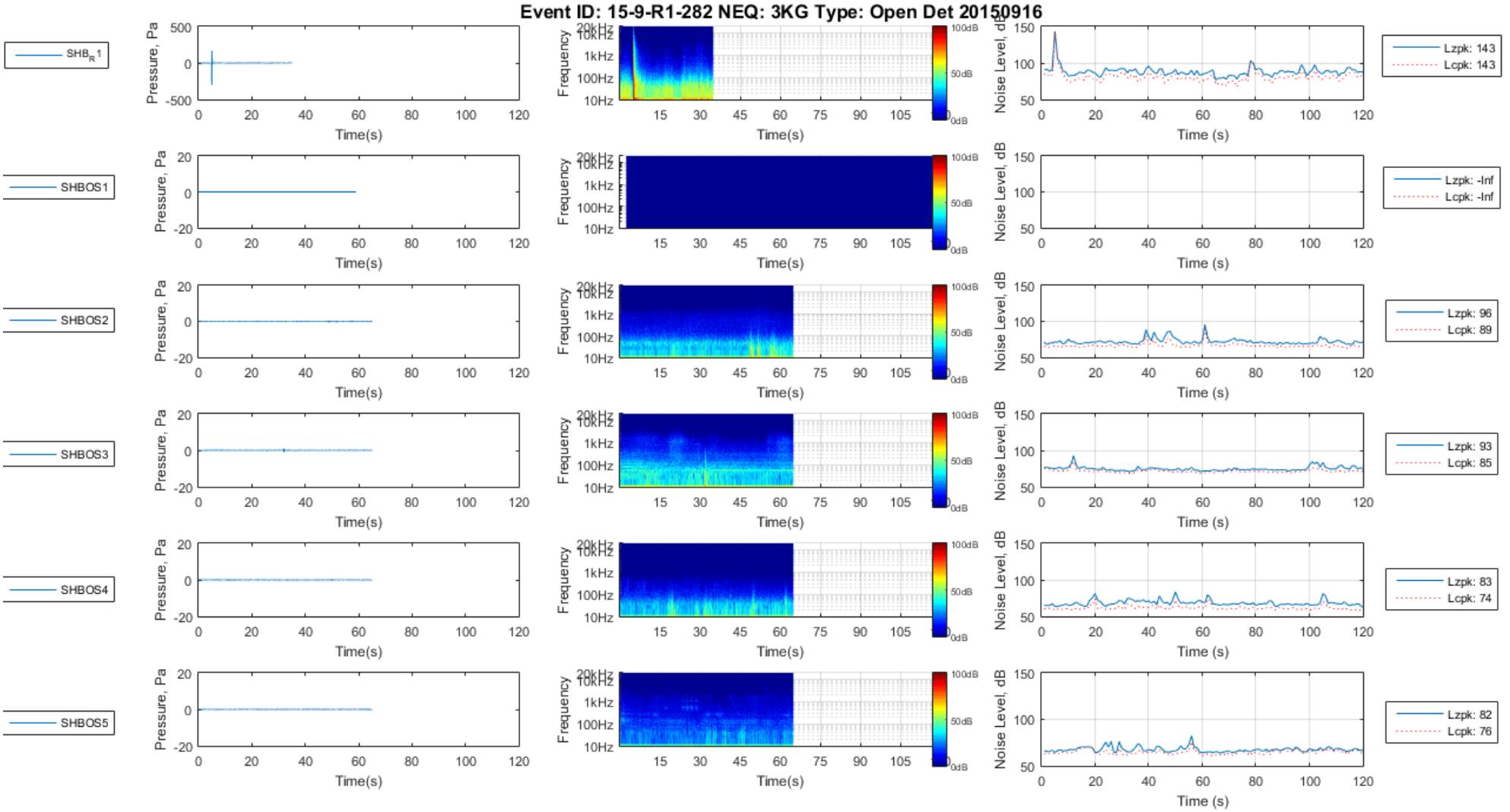


FIGURE 2.1051: SHB_OS 1 - 5 15-9-R1-282

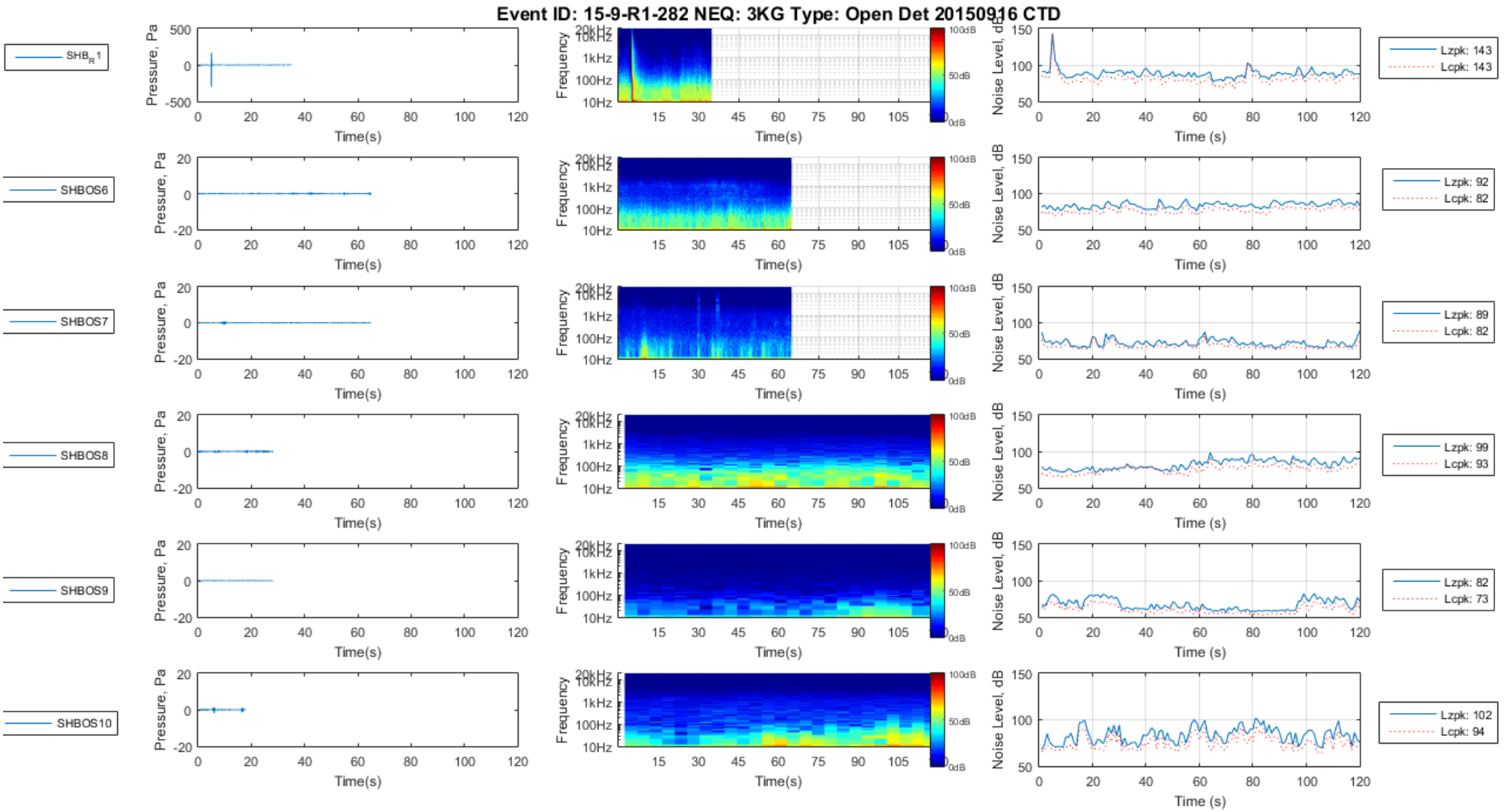


FIGURE 2.1052: SHB_OS 6 - 10 15-9-R1-282

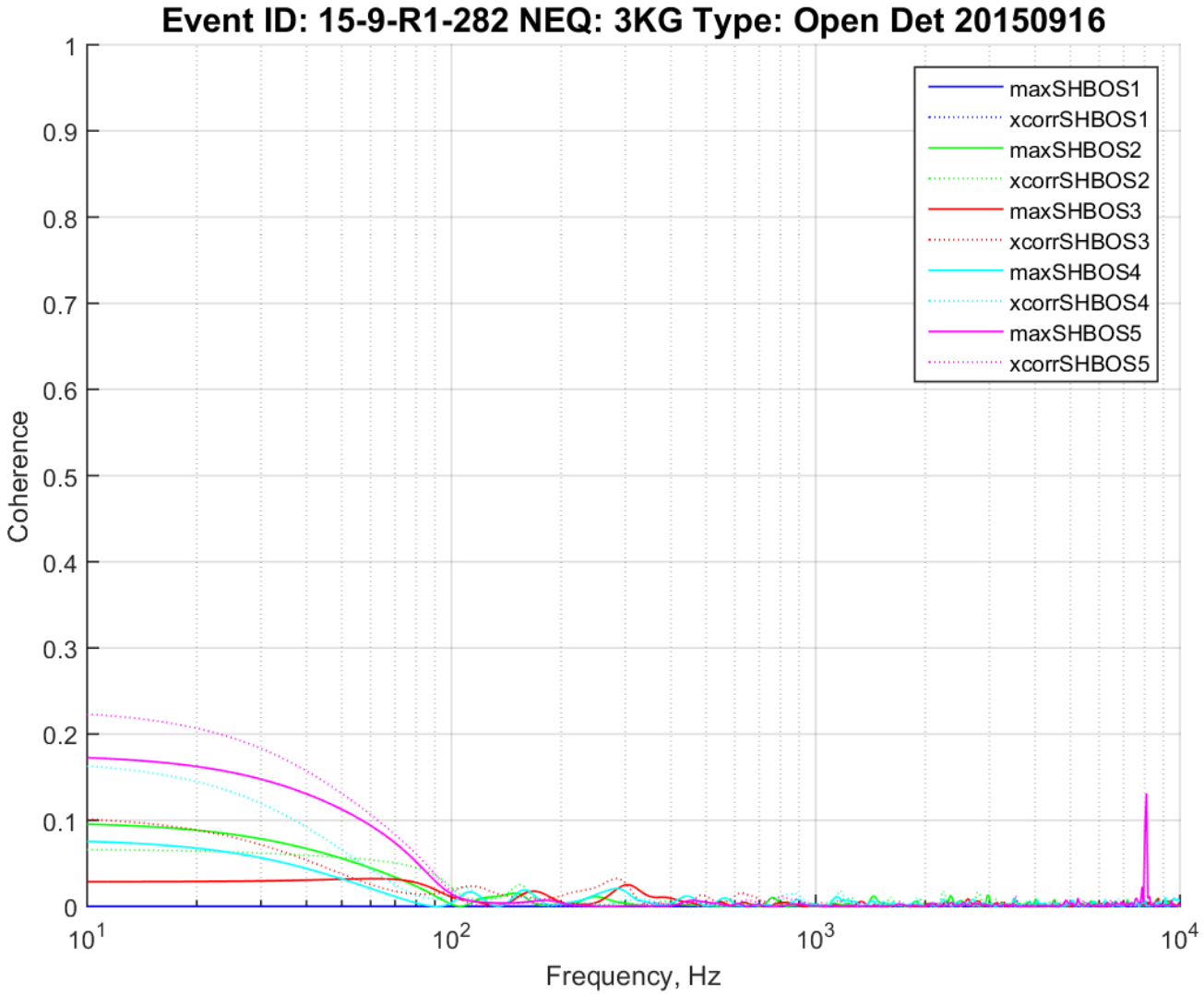


FIGURE 2.1053: COHERENCE SHB_OS 1 - 5 15-9-R1-282

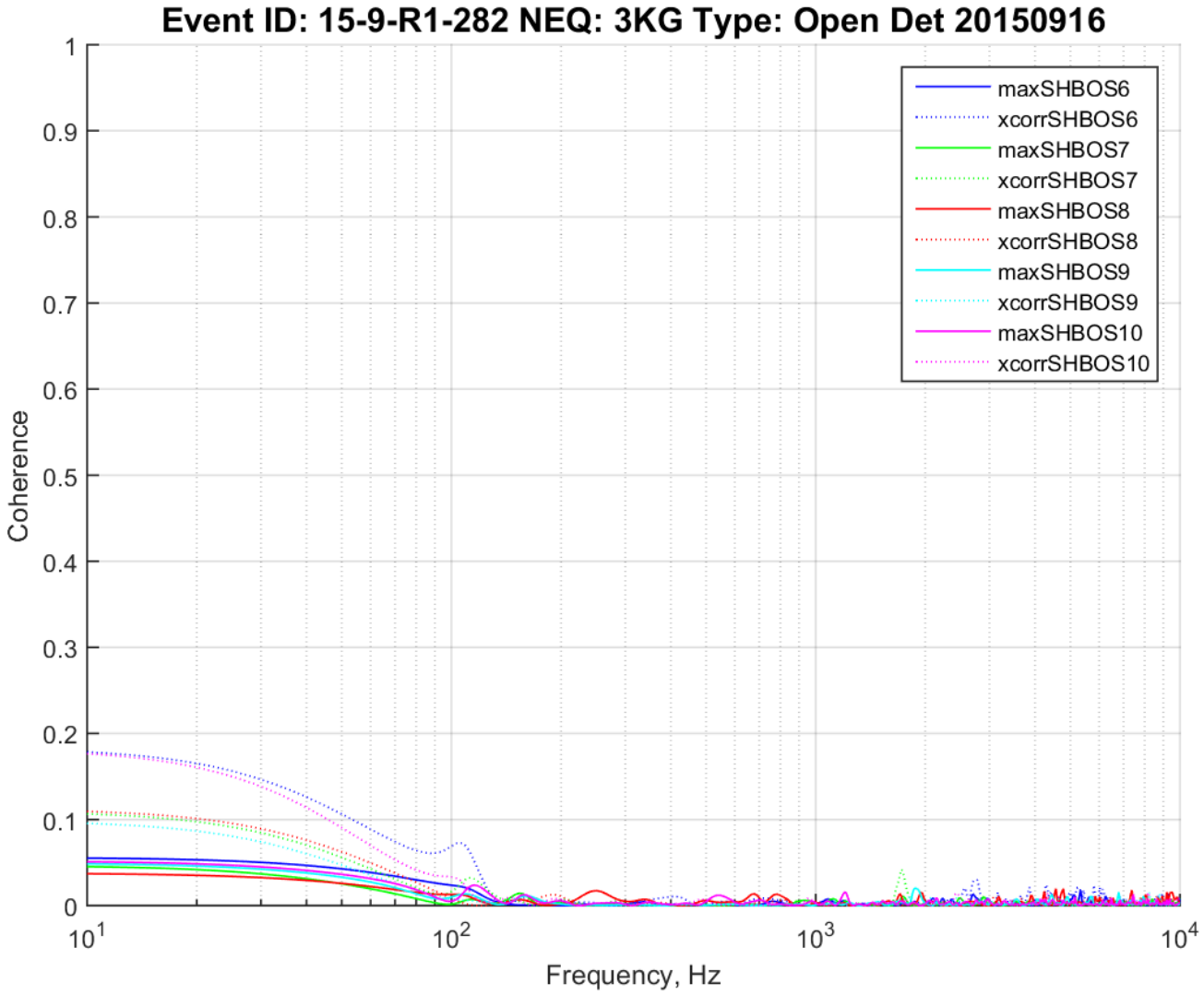


FIGURE 2.1054: COHERENCE SHB_OS 6 - 10 15-9-R1-282CTD

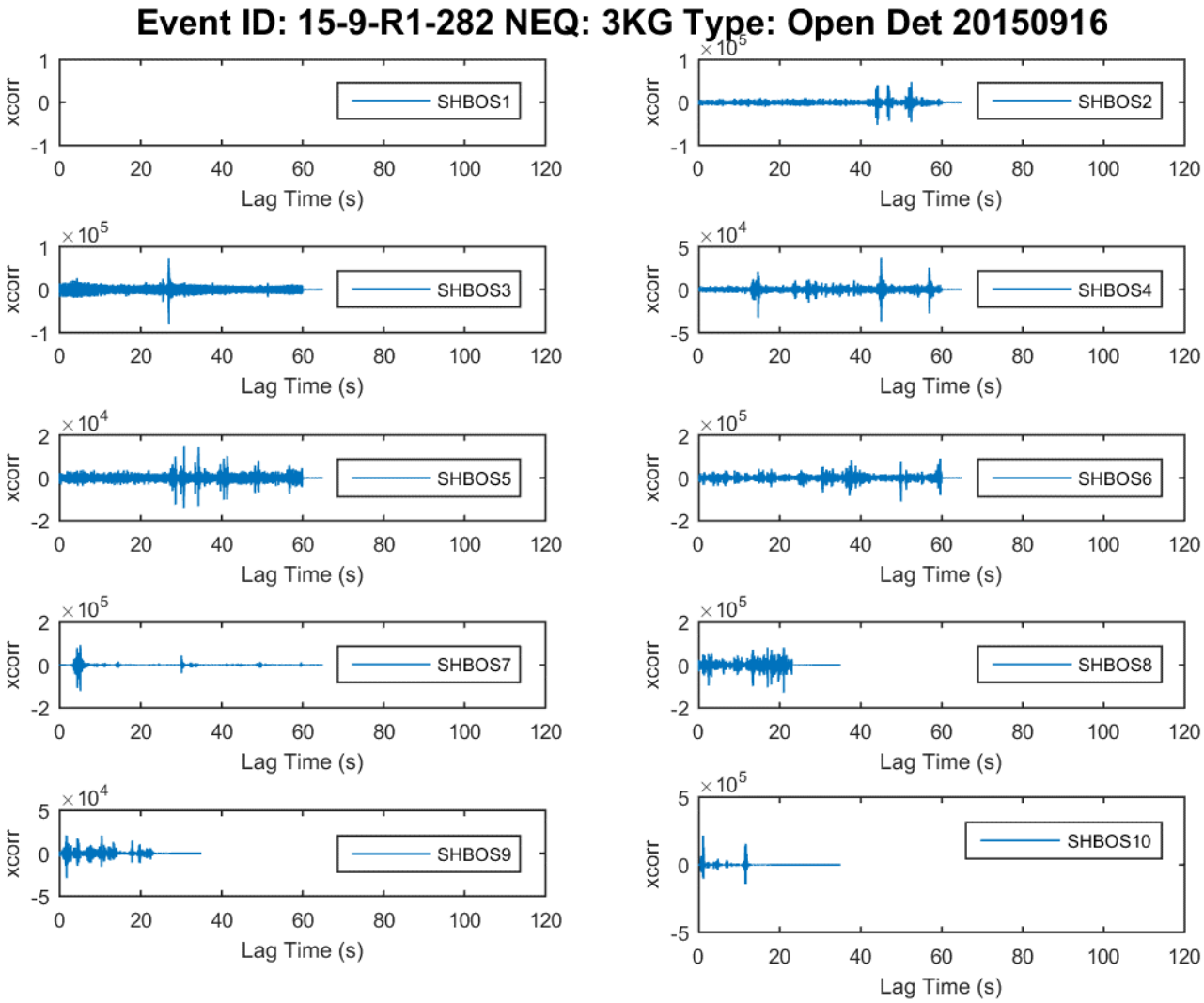


FIGURE 2.1055: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-282

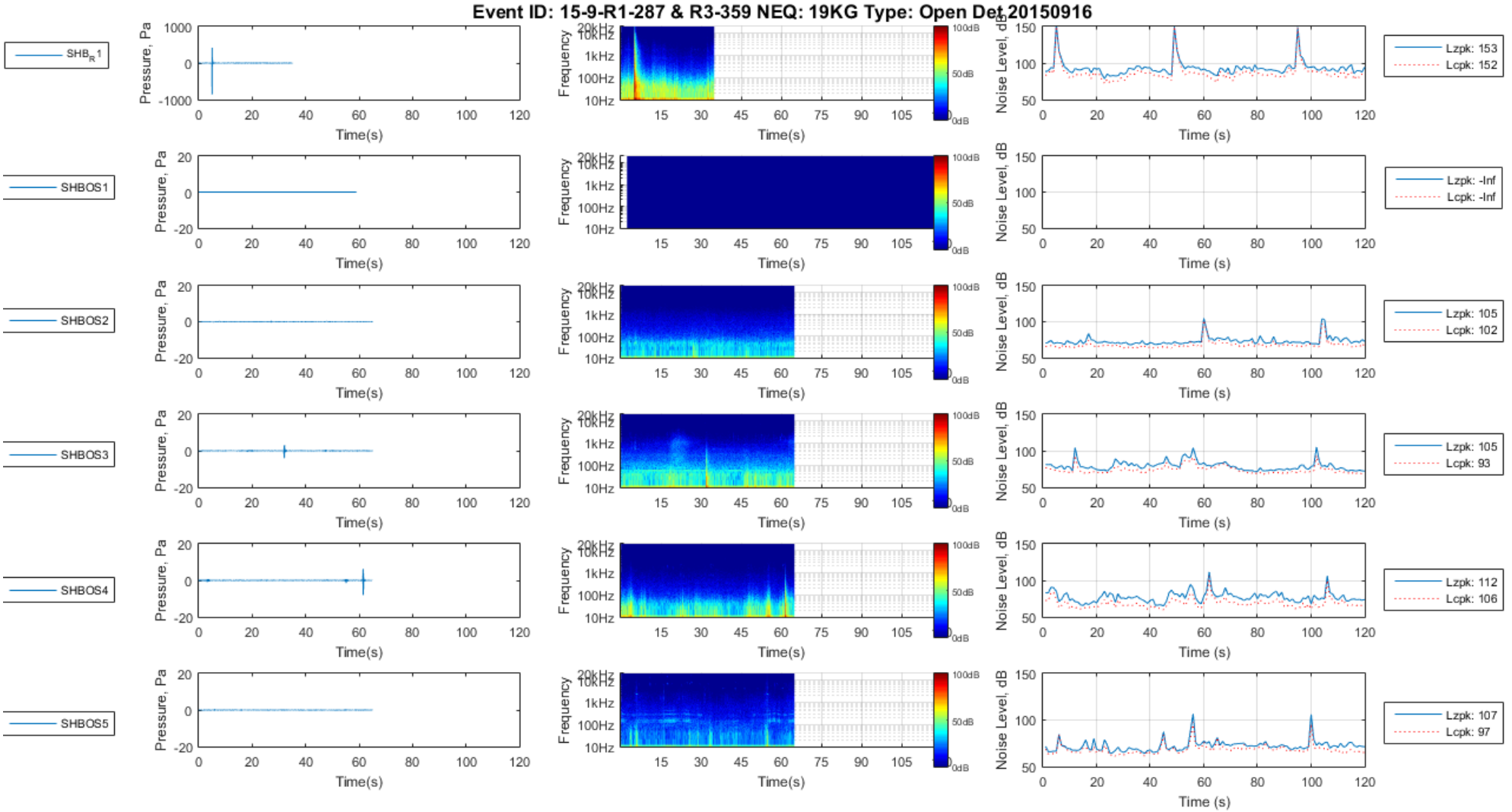


FIGURE 2.1056: SHB_OS 1 - 5 15-9-R1-287 & R3-359

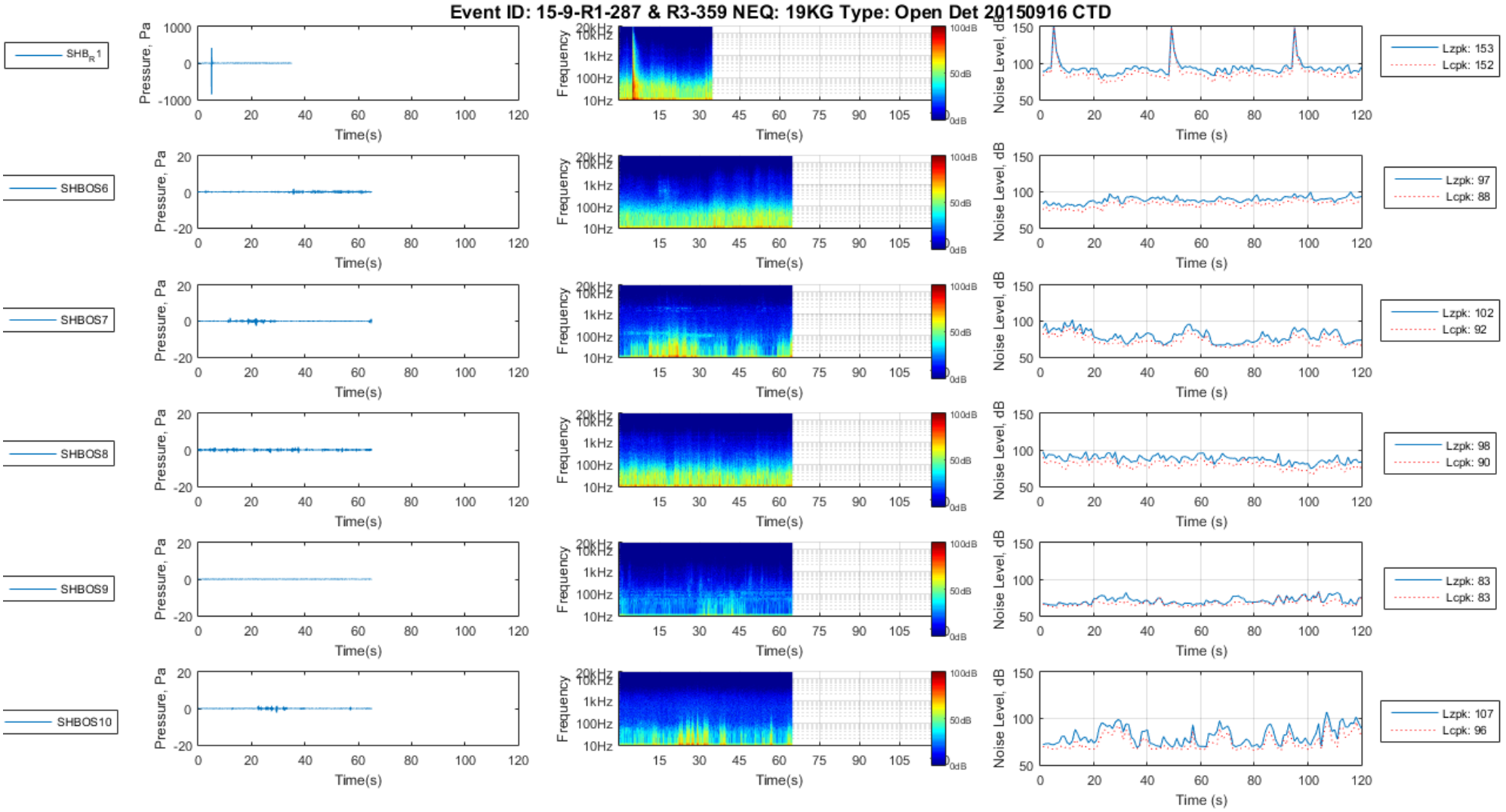


FIGURE 2.1057: SHB_OS 6 - 10 15-9-R1-287 & R3-359

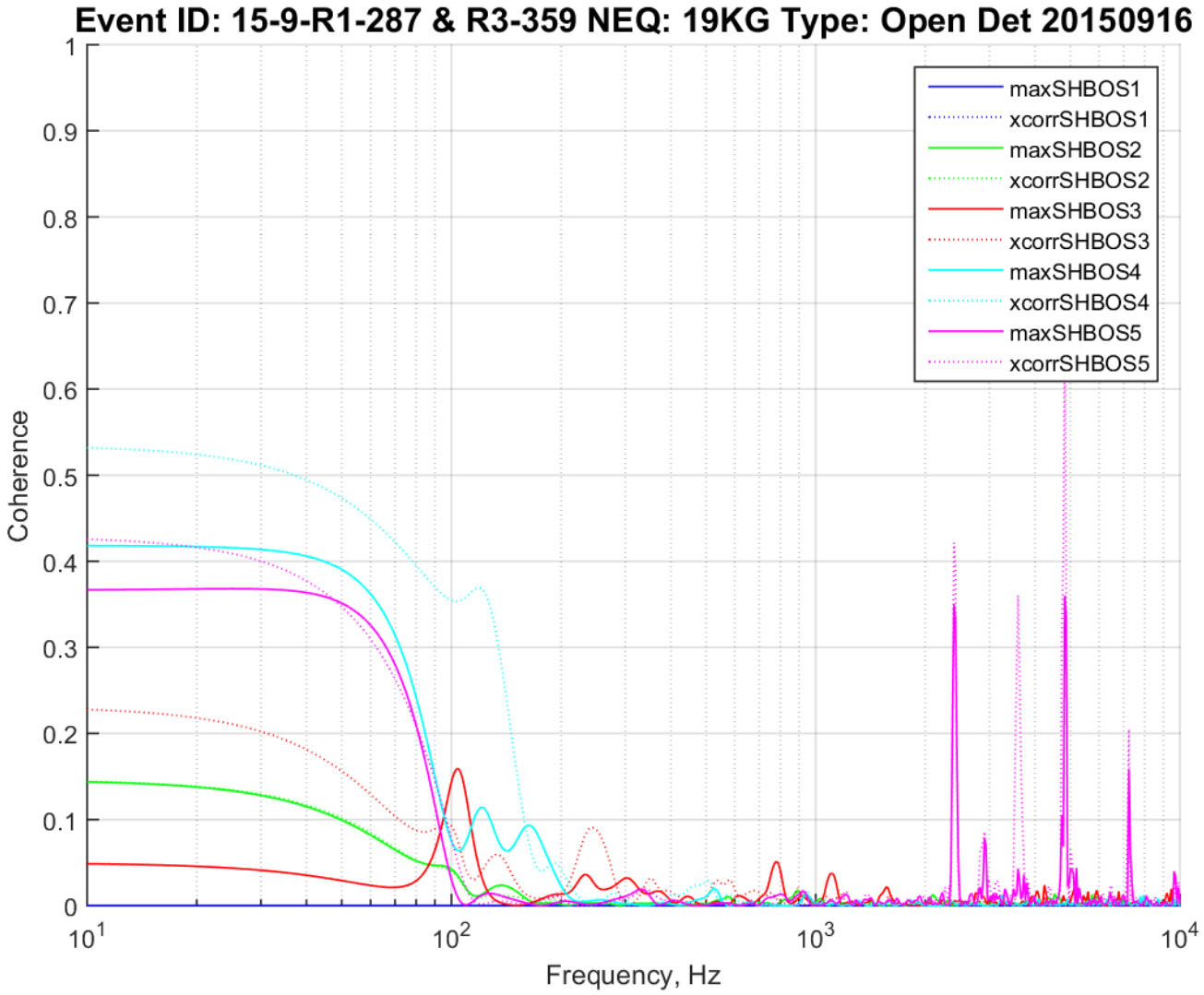


FIGURE 2.1058: COHERENCE SHB_OS 1 - 5 15-9-R1-287 & R3-359

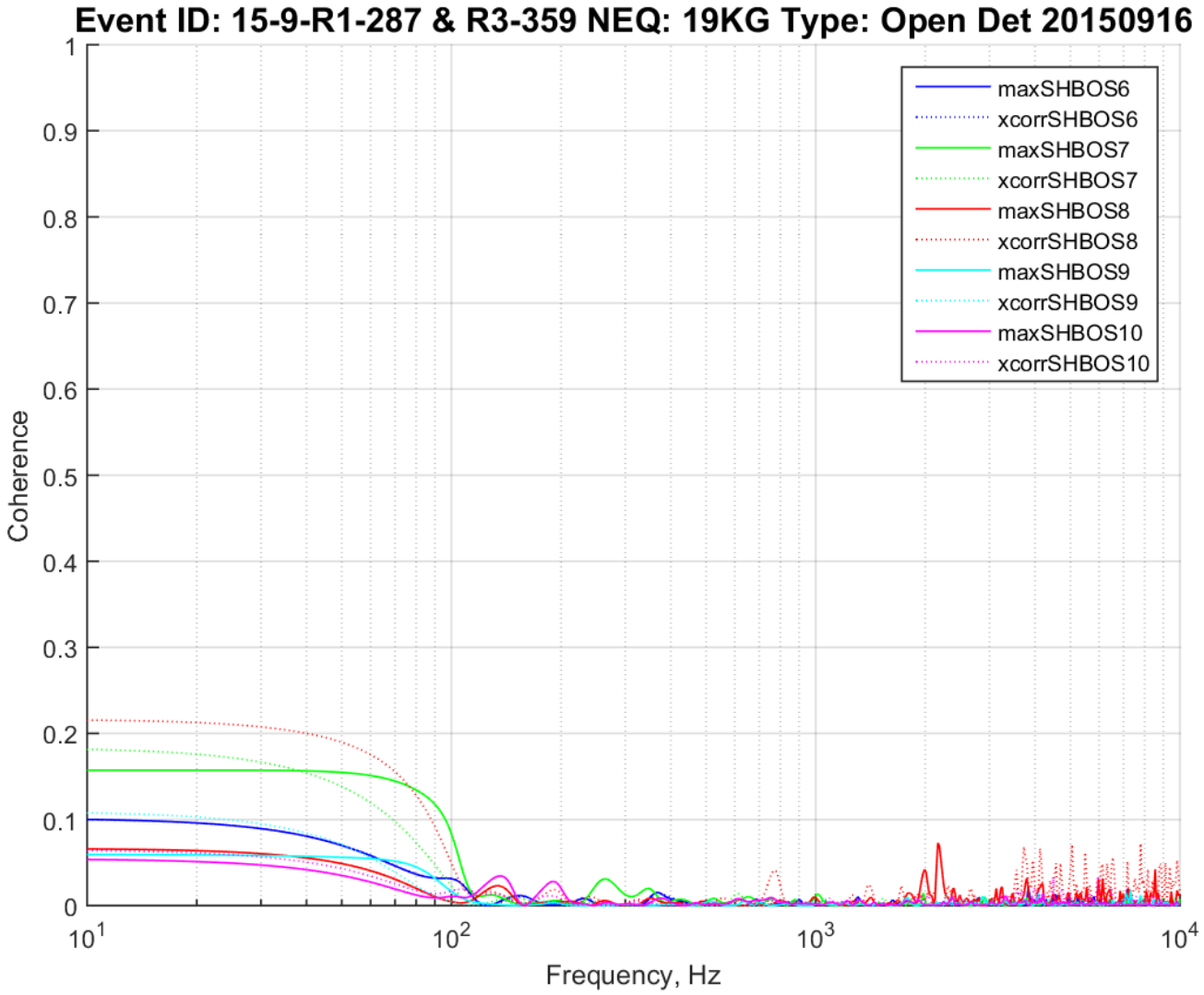


FIGURE 2.1059: COHERENCE SHB_OS 6 - 10 15-9-R1-287 & R3-359CTD

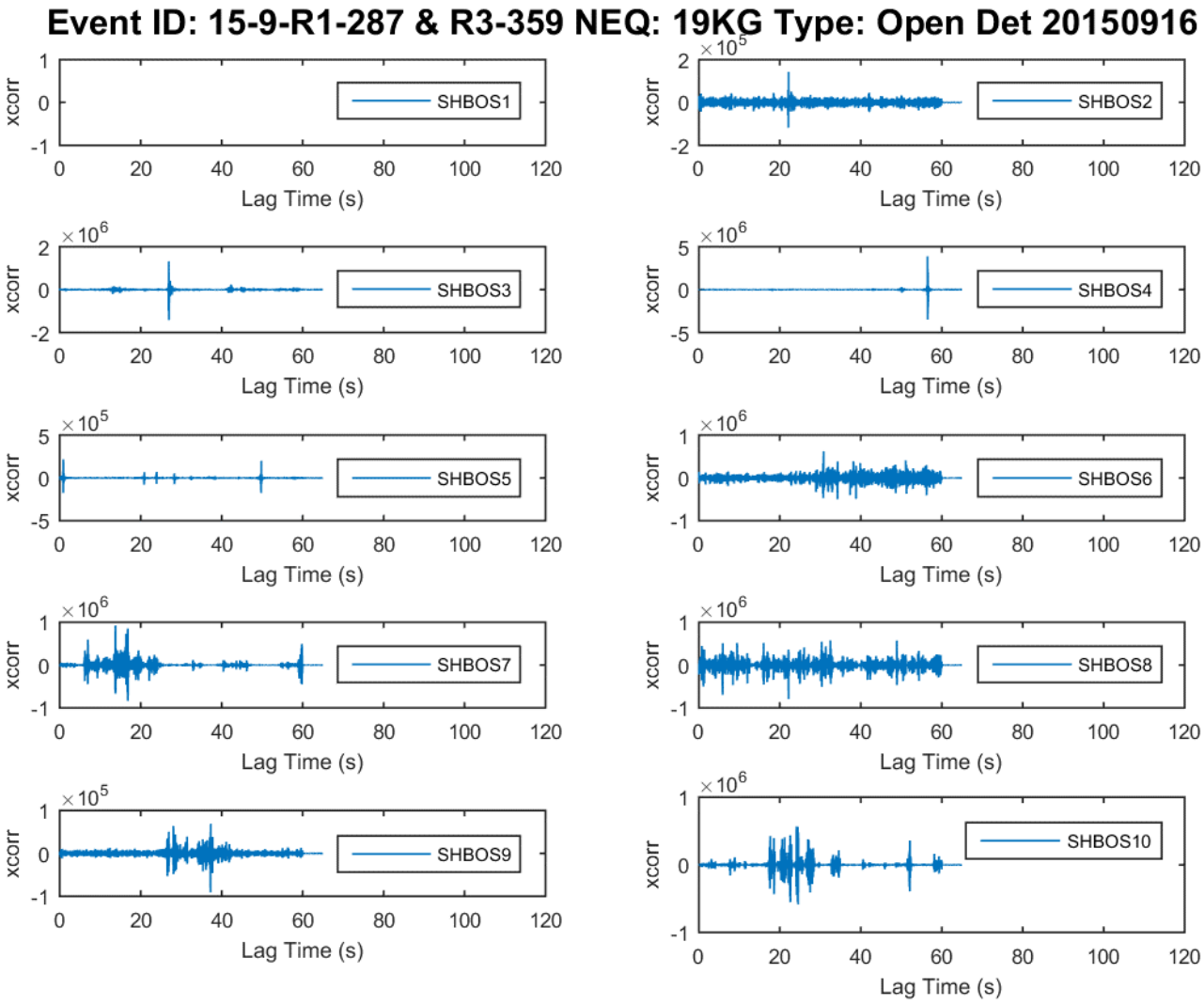


FIGURE 2.1060: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-287 & R3-359

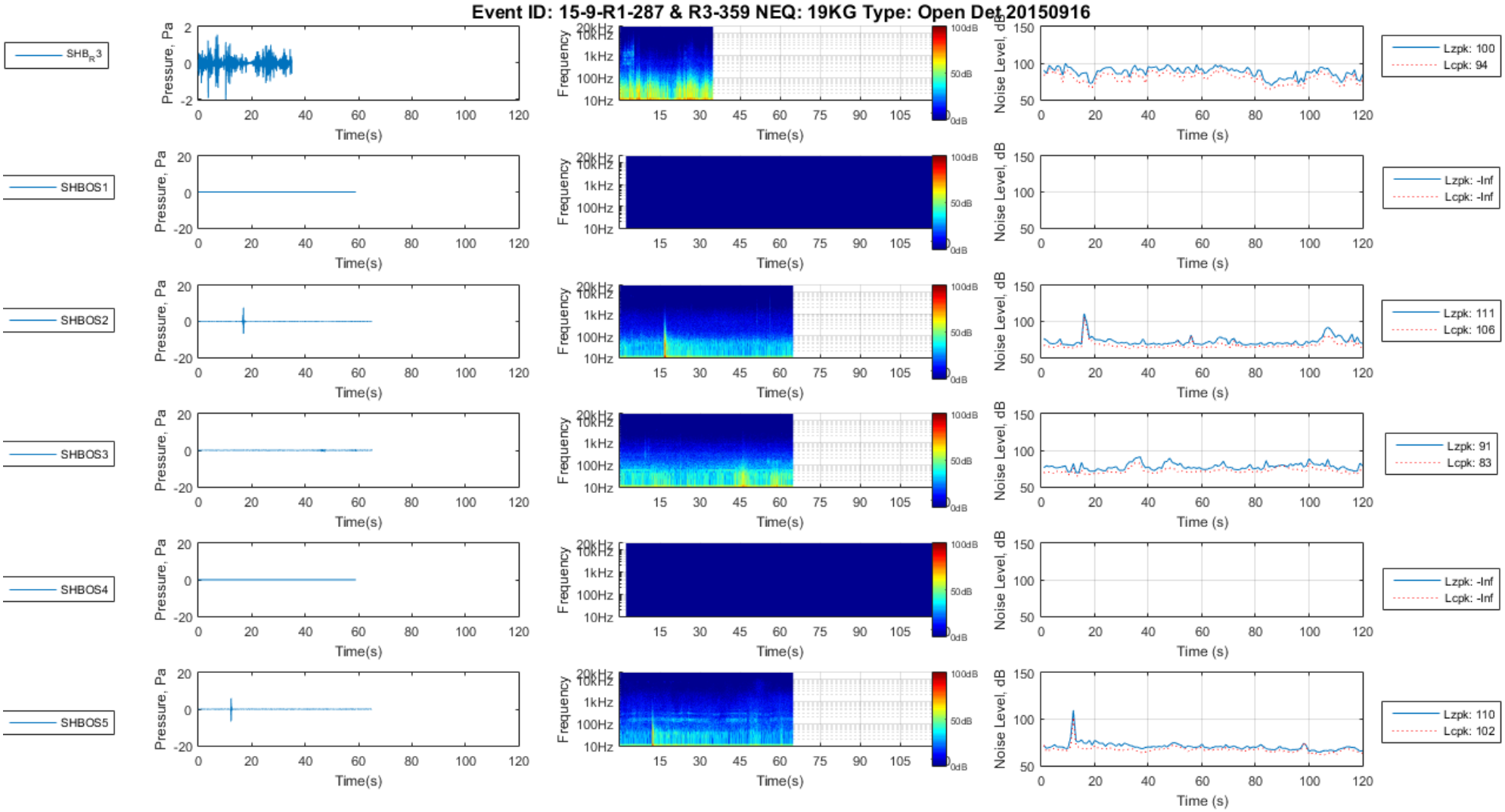


FIGURE 2.1061: SHB_OS 1 - 5 15-9-R1-287 & R3-359

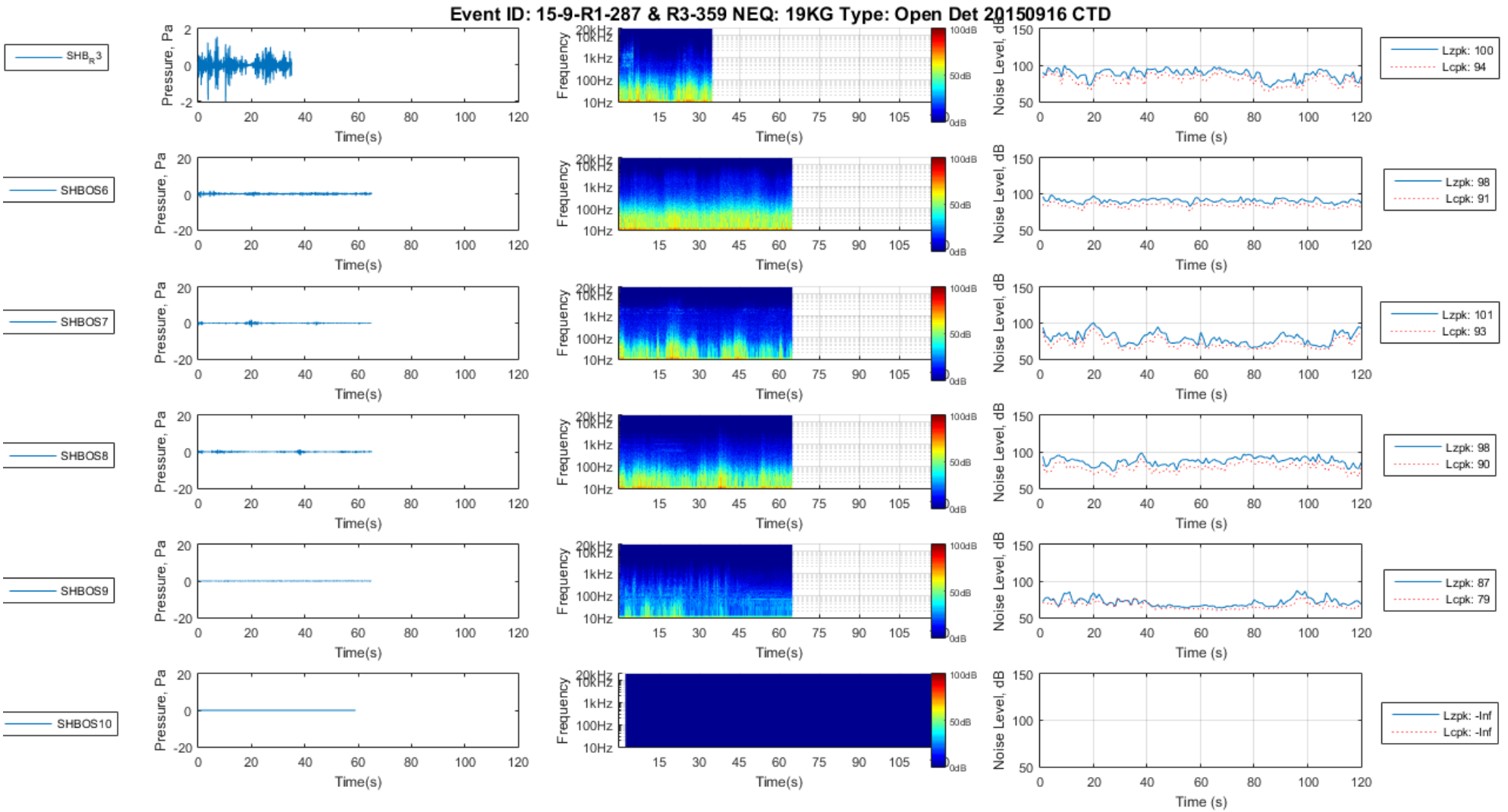


FIGURE 2.1062: SHB_OS 6 - 10 15-9-R1-287 & R3-359

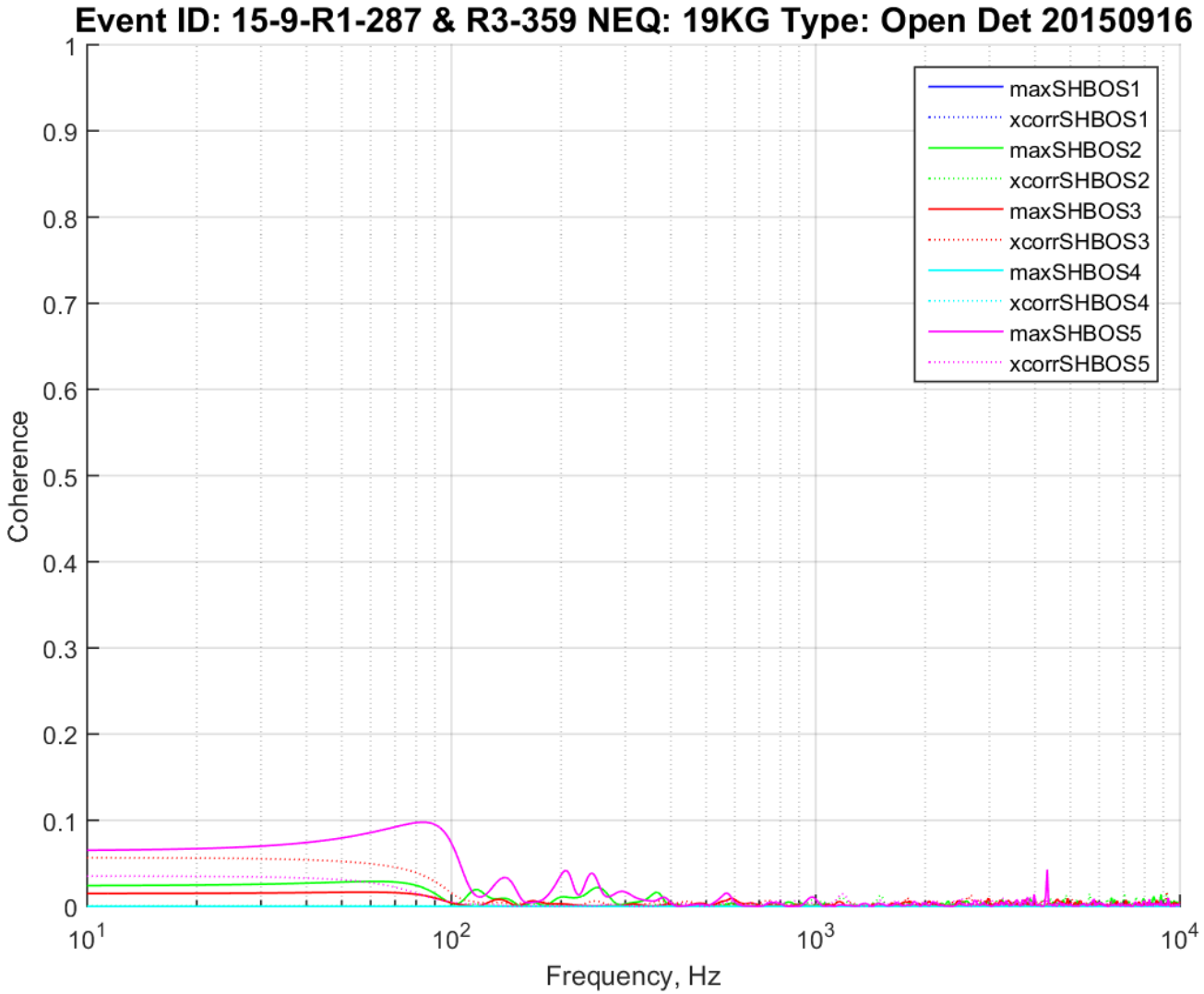


FIGURE 2.1063: COHERENCE SHB_OS 1 - 5 15-9-R1-287 & R3-359

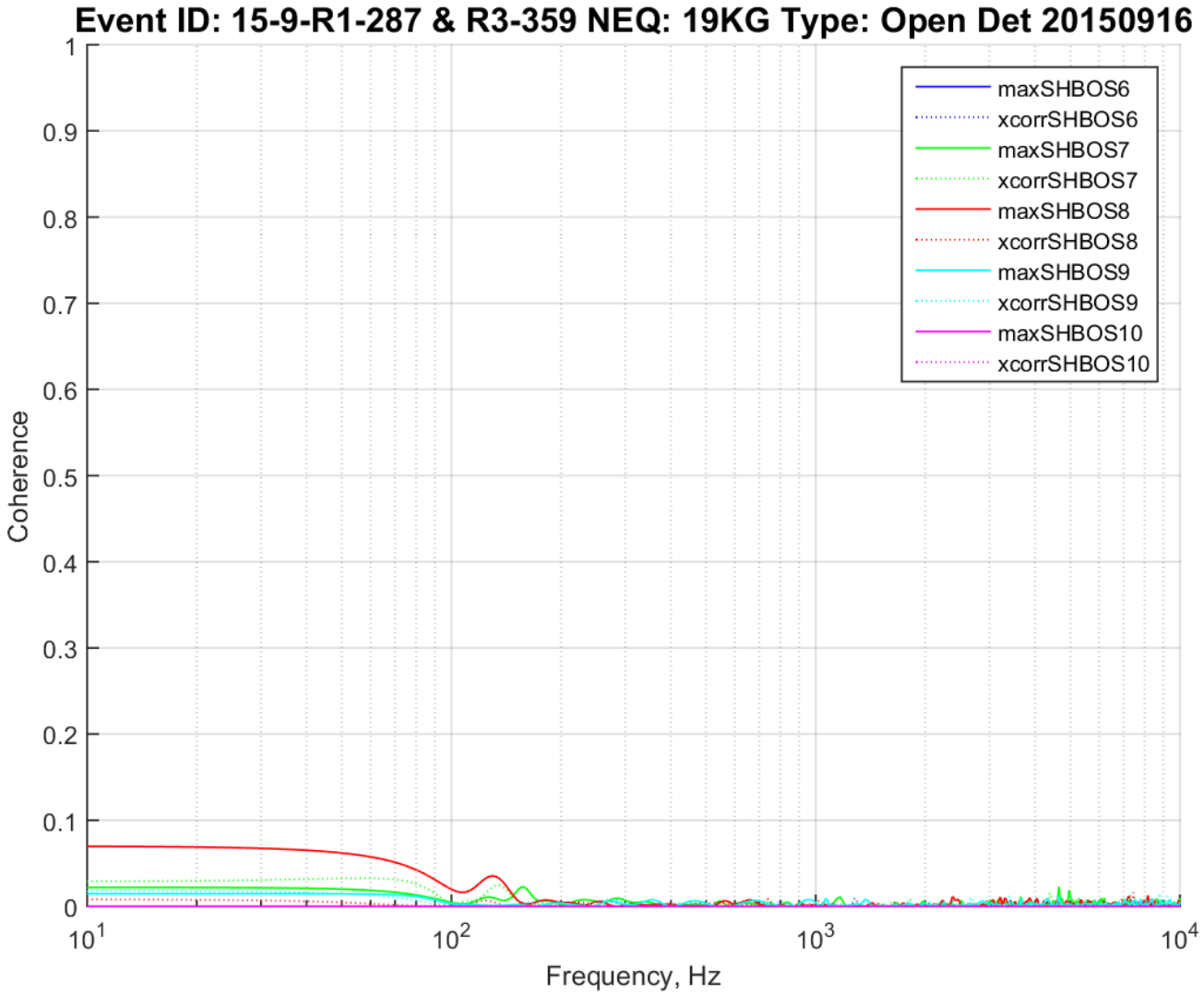


FIGURE 2.1064: COHERENCE SHB_OS 6 - 10 15-9-R1-287 & R3-359CTD

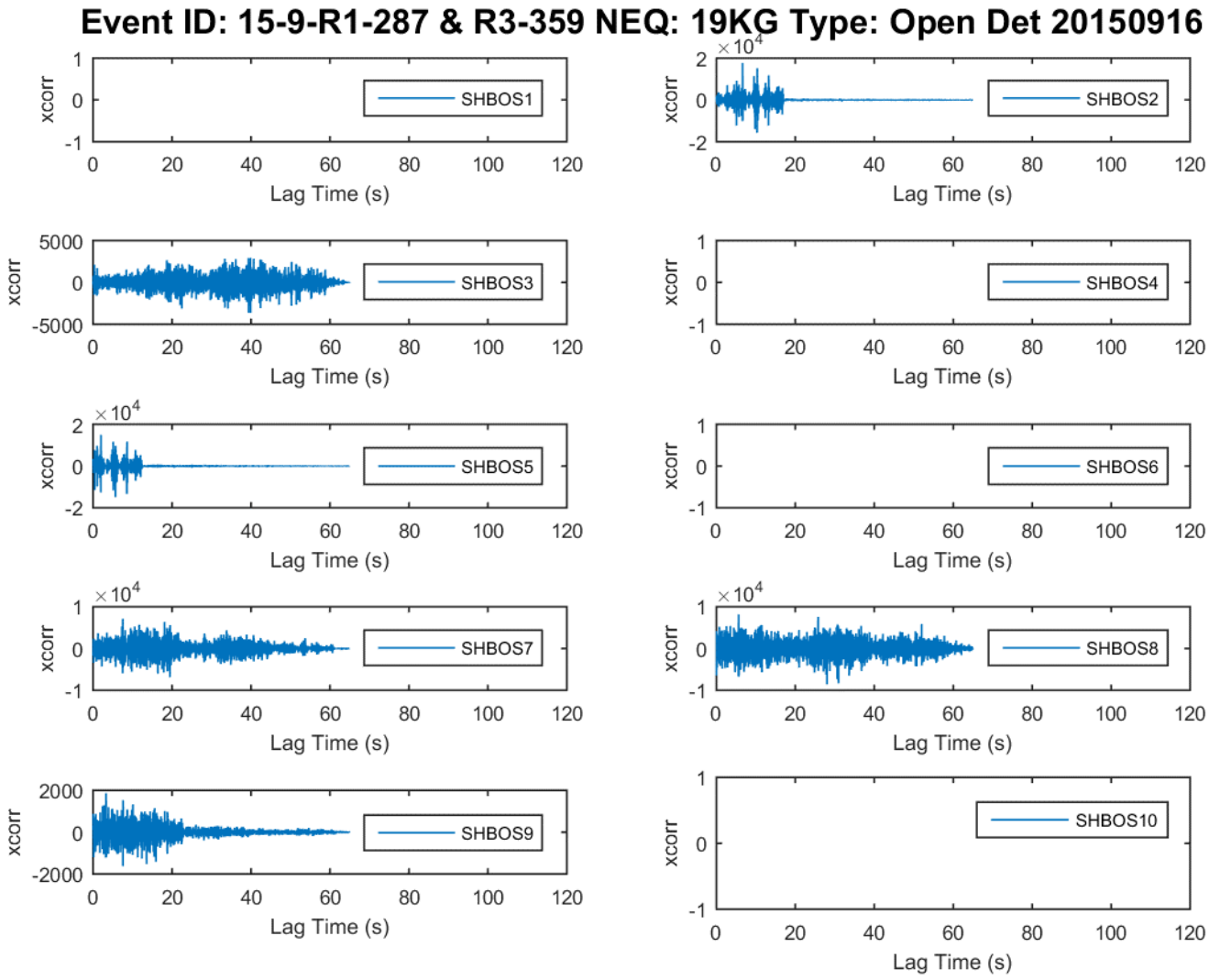


FIGURE 2.1065: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-287 & R3-359

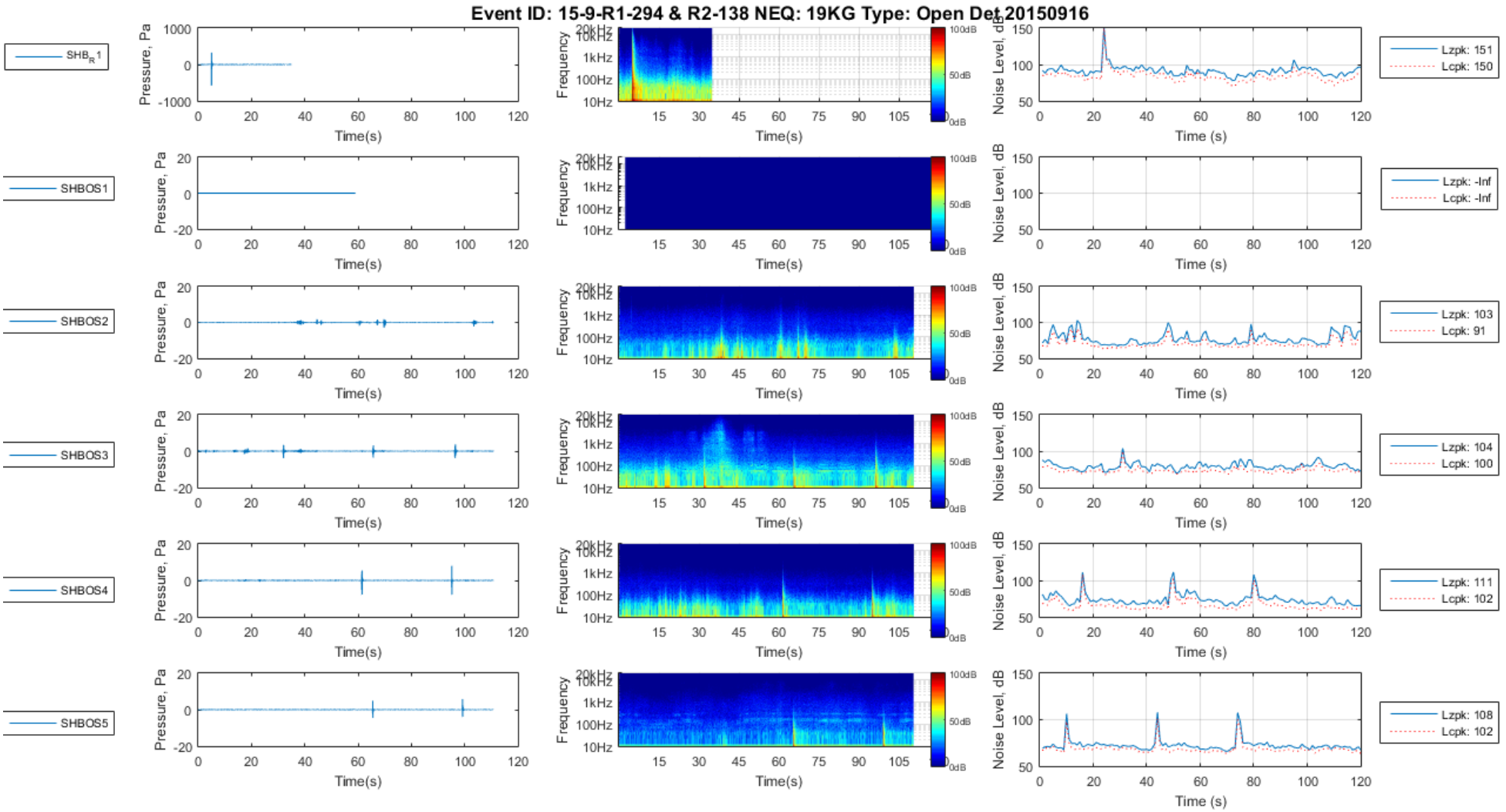


FIGURE 2.1066: SHB_OS 1 - 5 15-9-R1-294 & R2-138

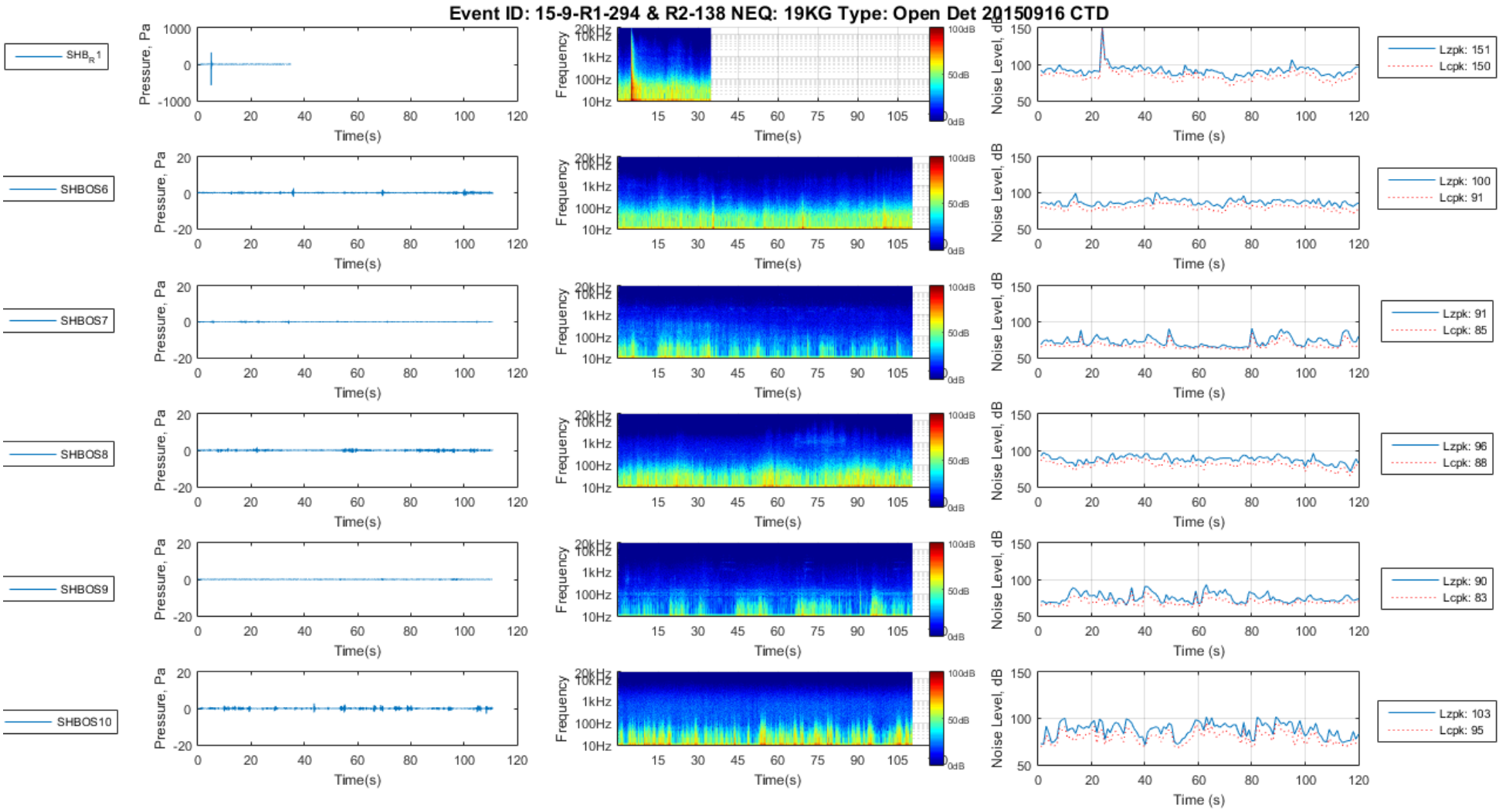


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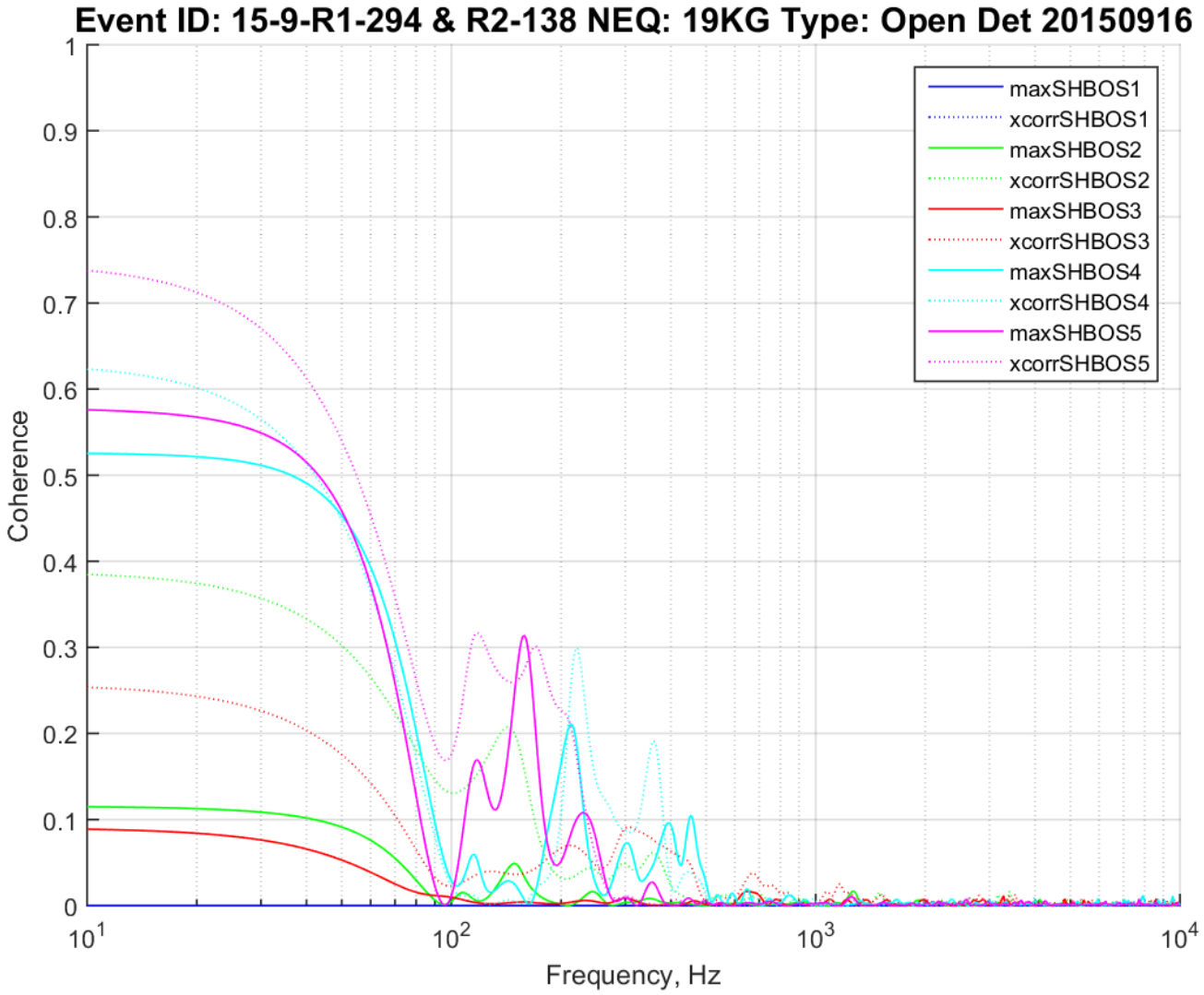


FIGURE 2.1068: COHERENCE SHB_OS 1 - 5 15-9-R1-294 & R2-138

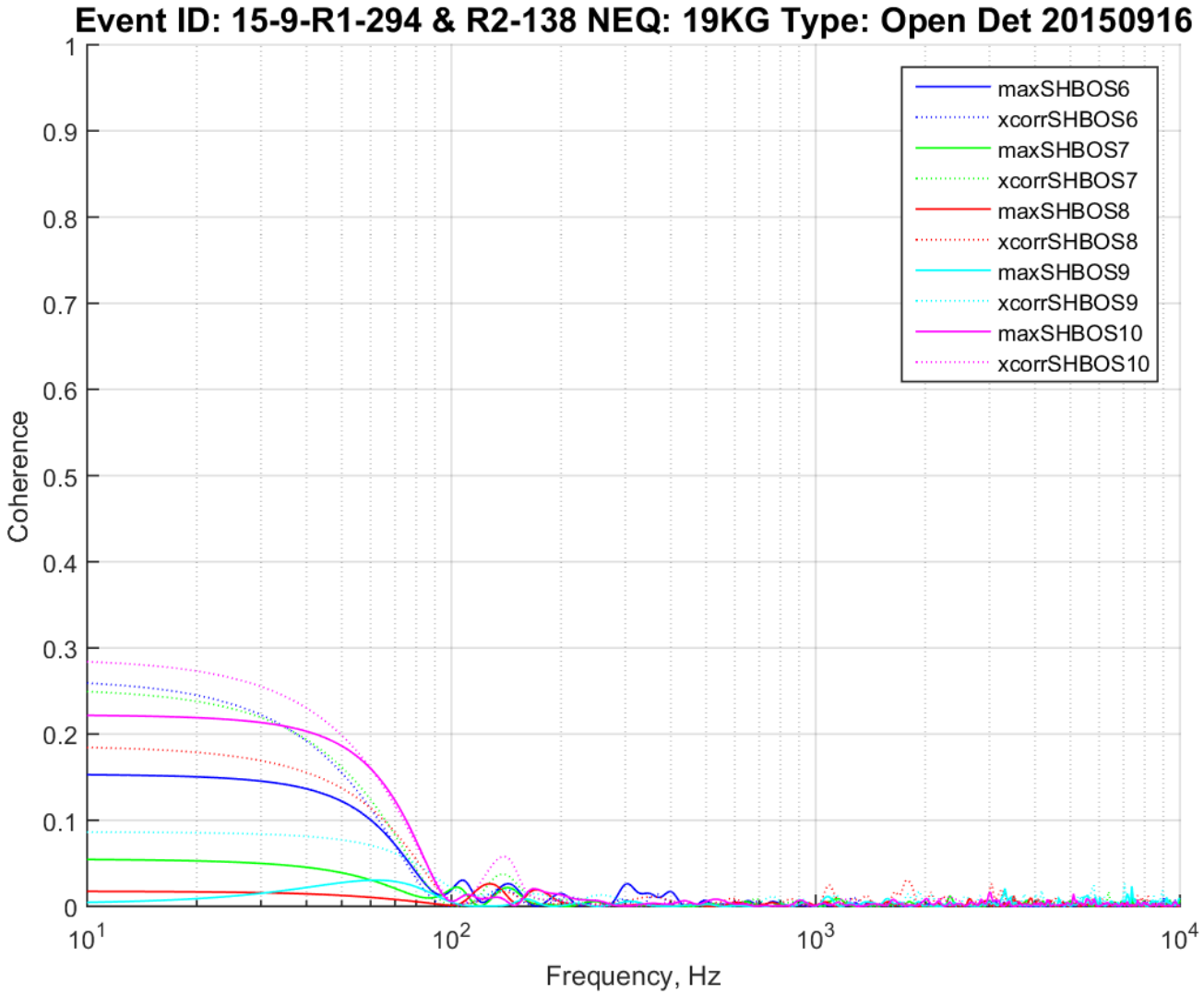


FIGURE 2.1069: COHERENCE SHB_OS 6 - 10 15-9-R1-294 & R2-138CTD

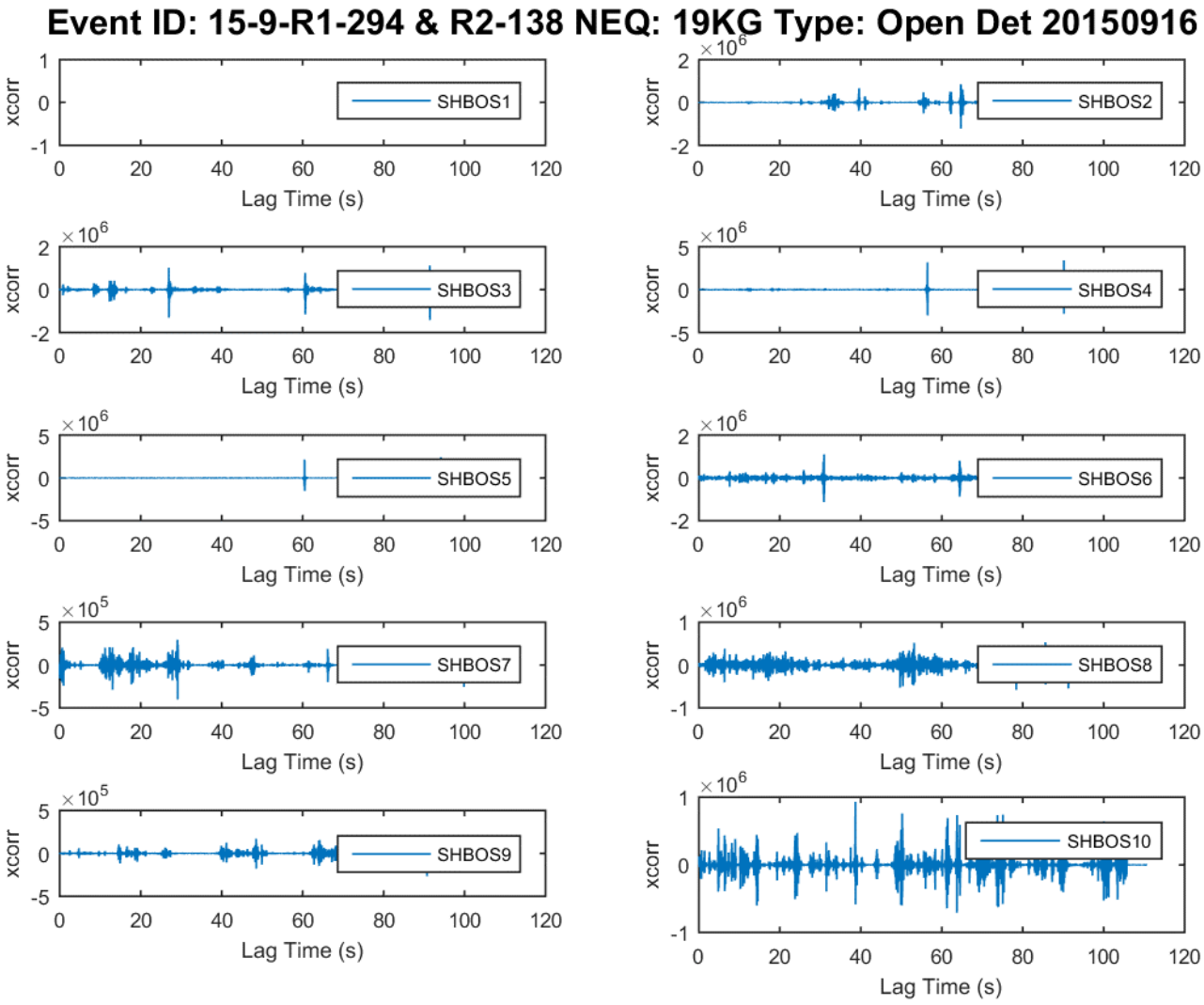


FIGURE 2.1070: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-294 & R2-138

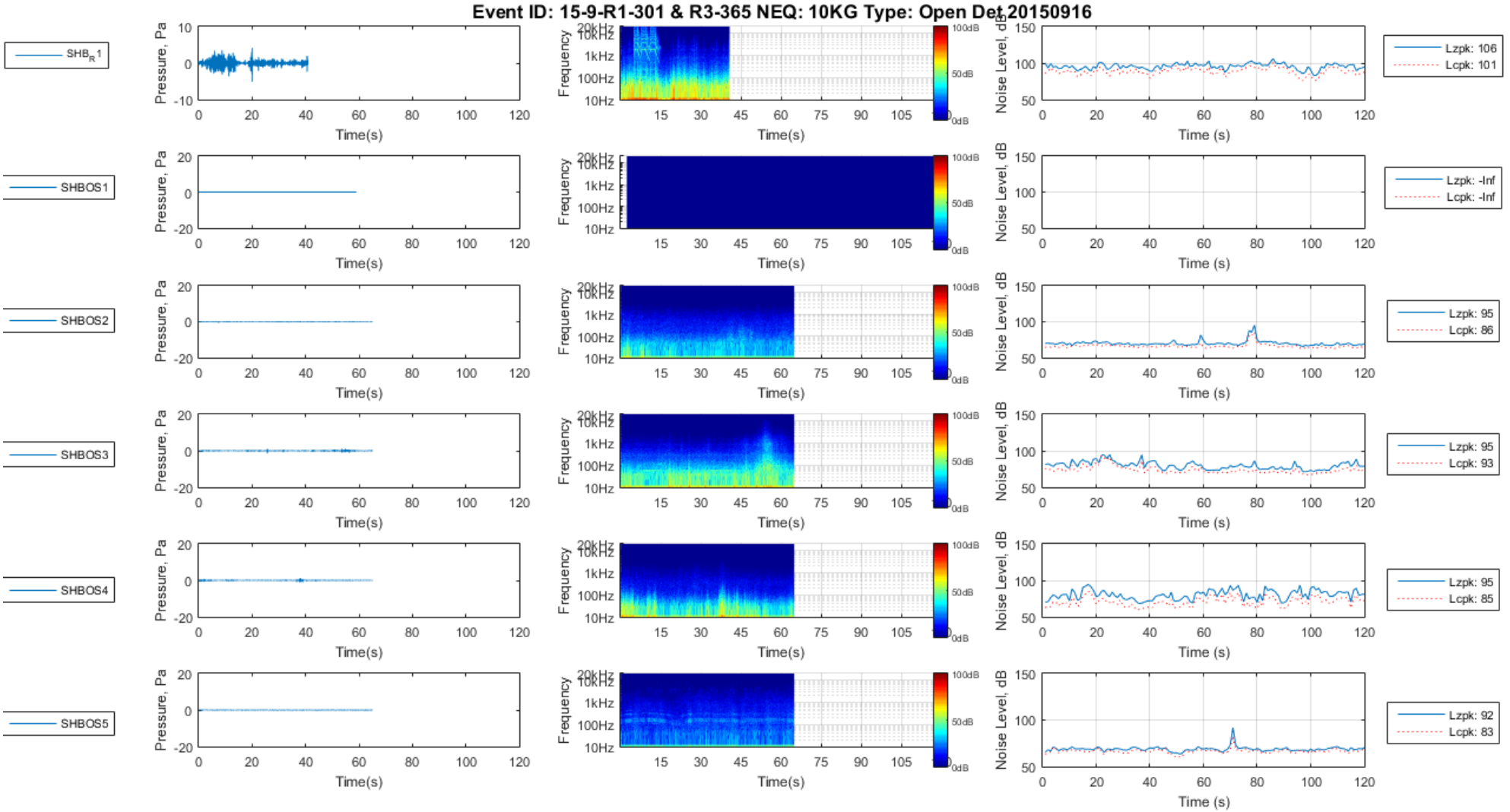


FIGURE 2.1071: SHB_OS 1 - 5 15-9-R1-301 & R3-365

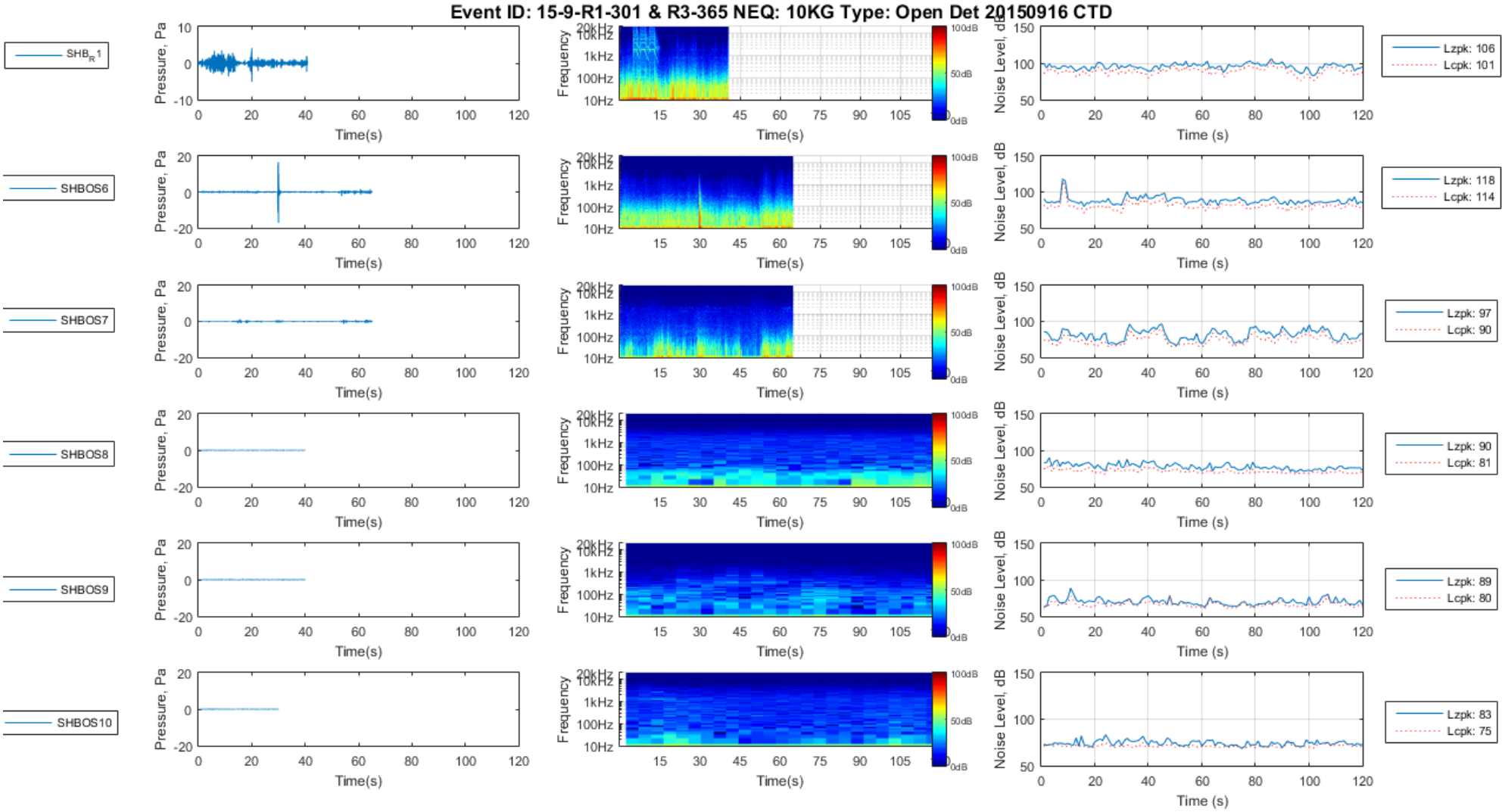


FIGURE 2.1072: SHB_OS 6 - 10 15-9-R1-301 & R3-365

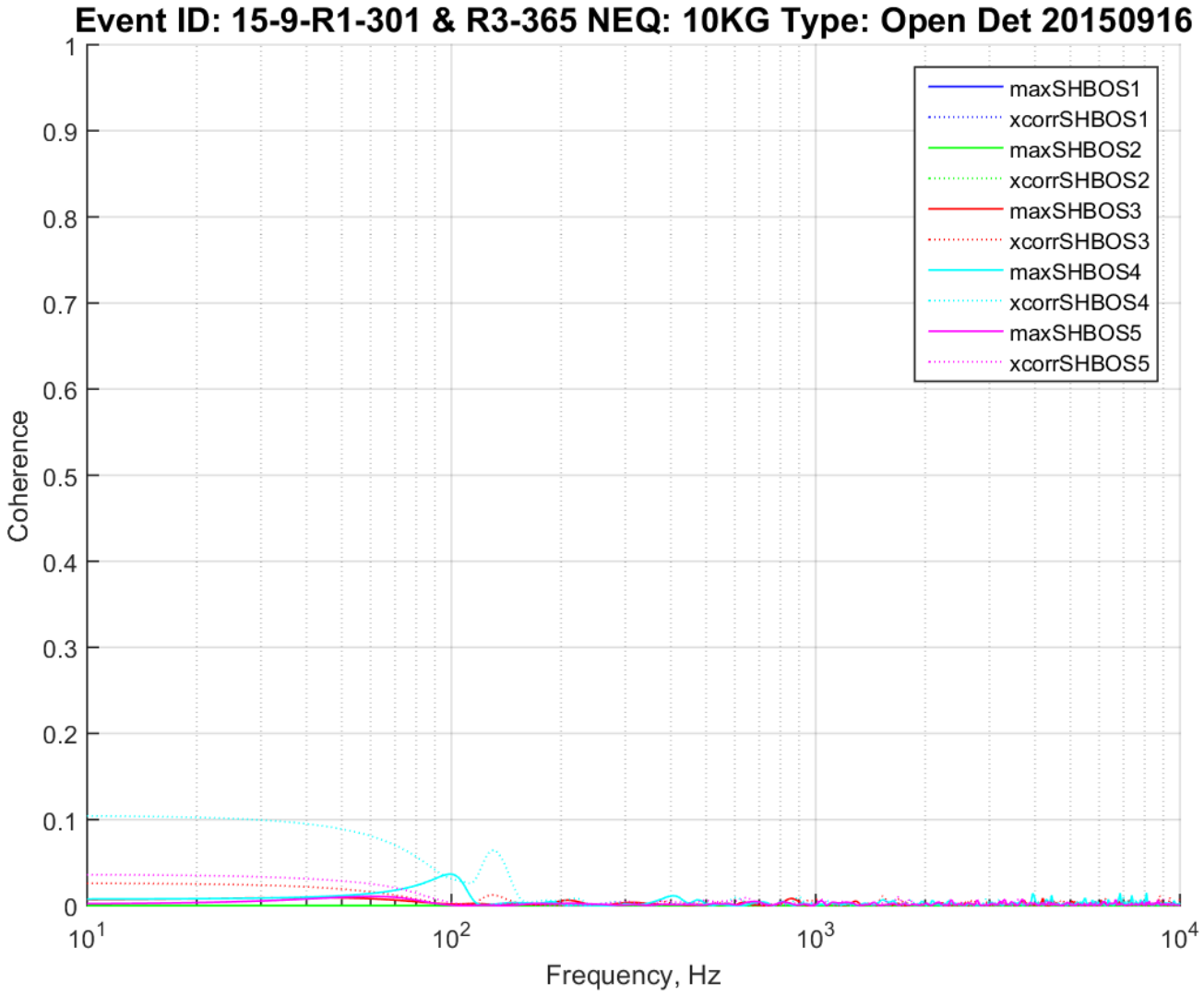


FIGURE 2.1073: COHERENCE SHB_OS 1 - 5 15-9-R1-301 & R3-365

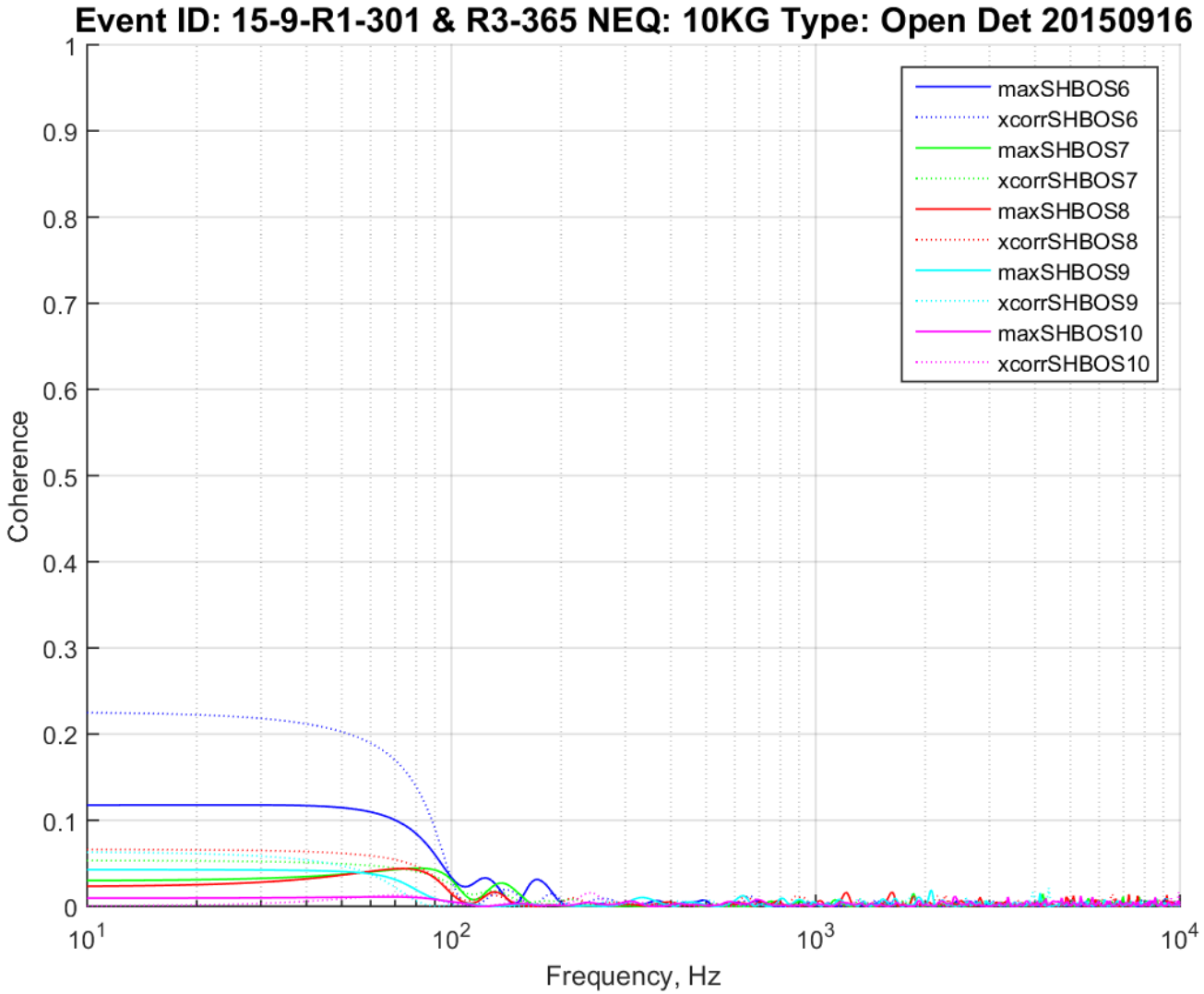


FIGURE 2.1074: COHERENCE SHB_OS 6 - 10 15-9-R1-301 & R3-365CTD

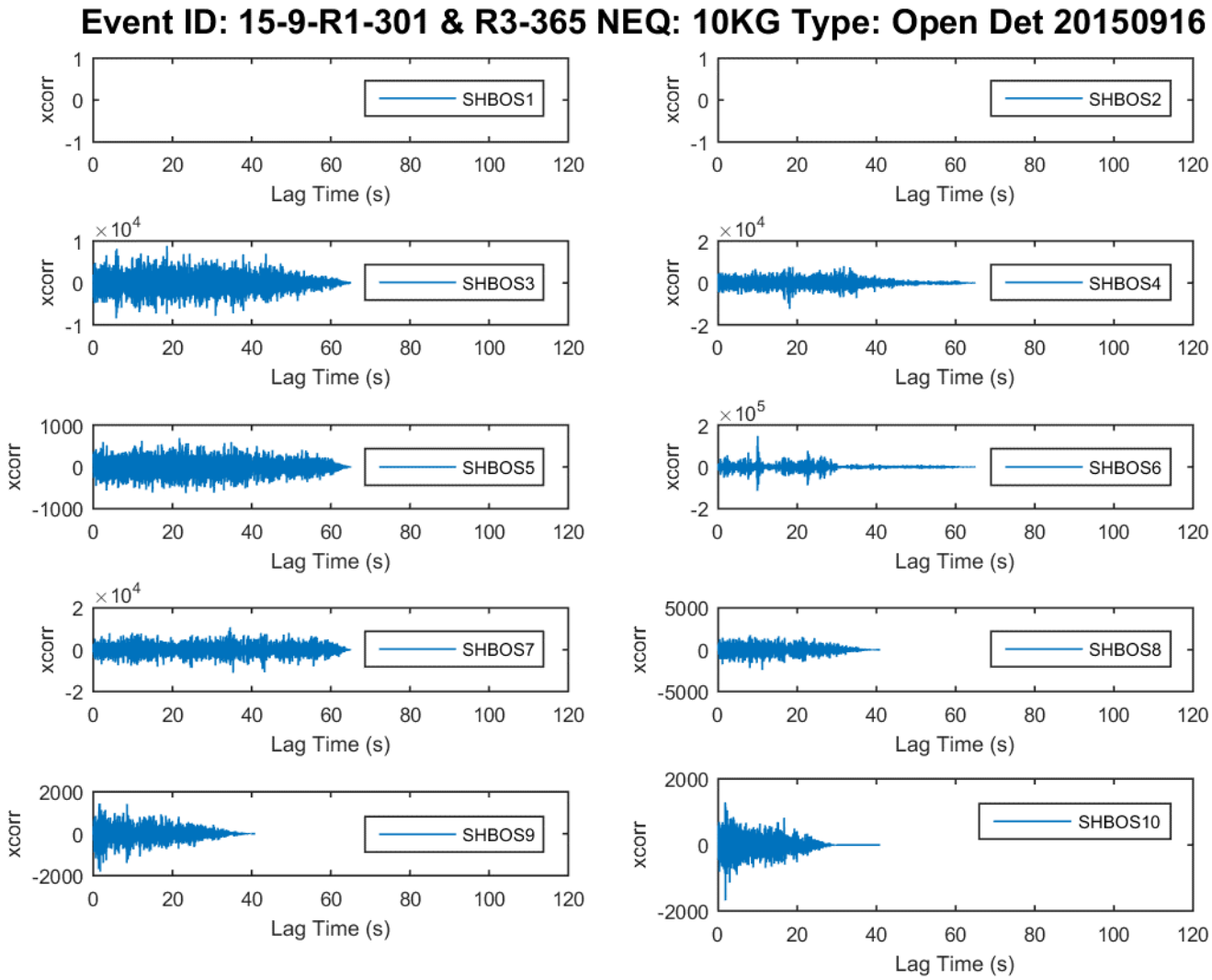


FIGURE 2.1075: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-301 & R3-365

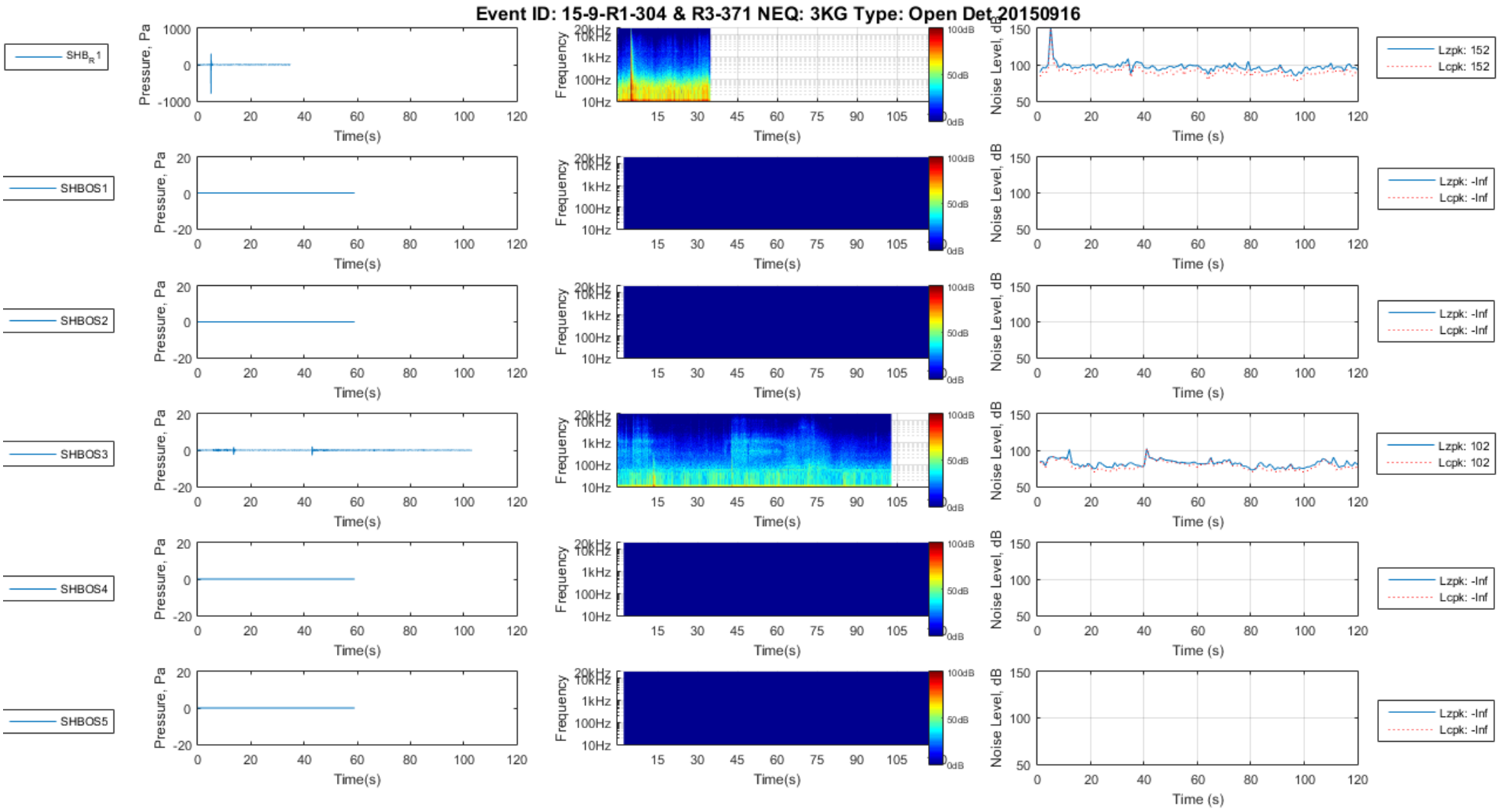


FIGURE 2.1076: SHB_OS 1 - 5 15-9-R1-304 & R3-371

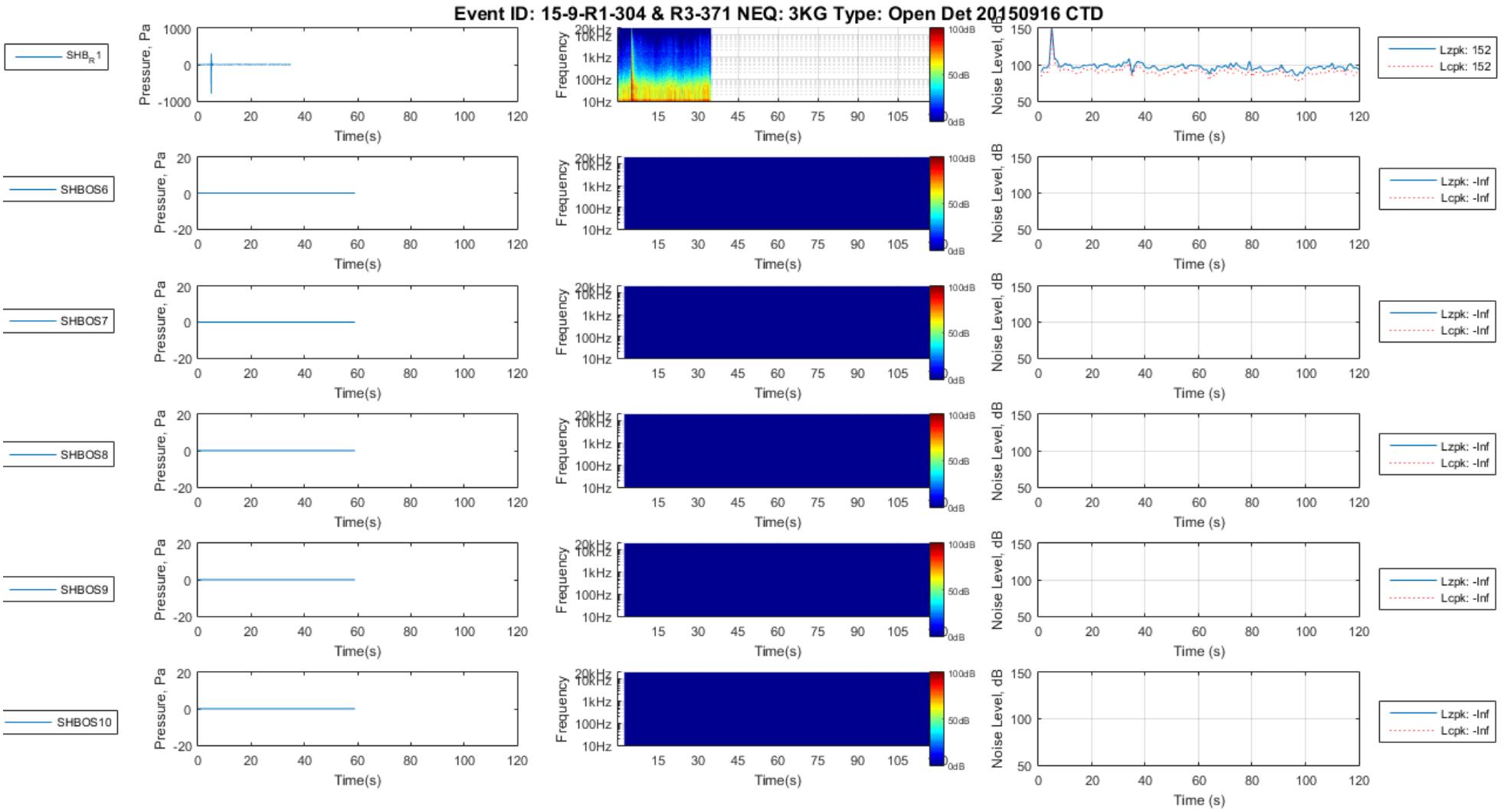


FIGURE 2.1077: SHB_OS 6 - 10 15-9-R1-304 & R3-371

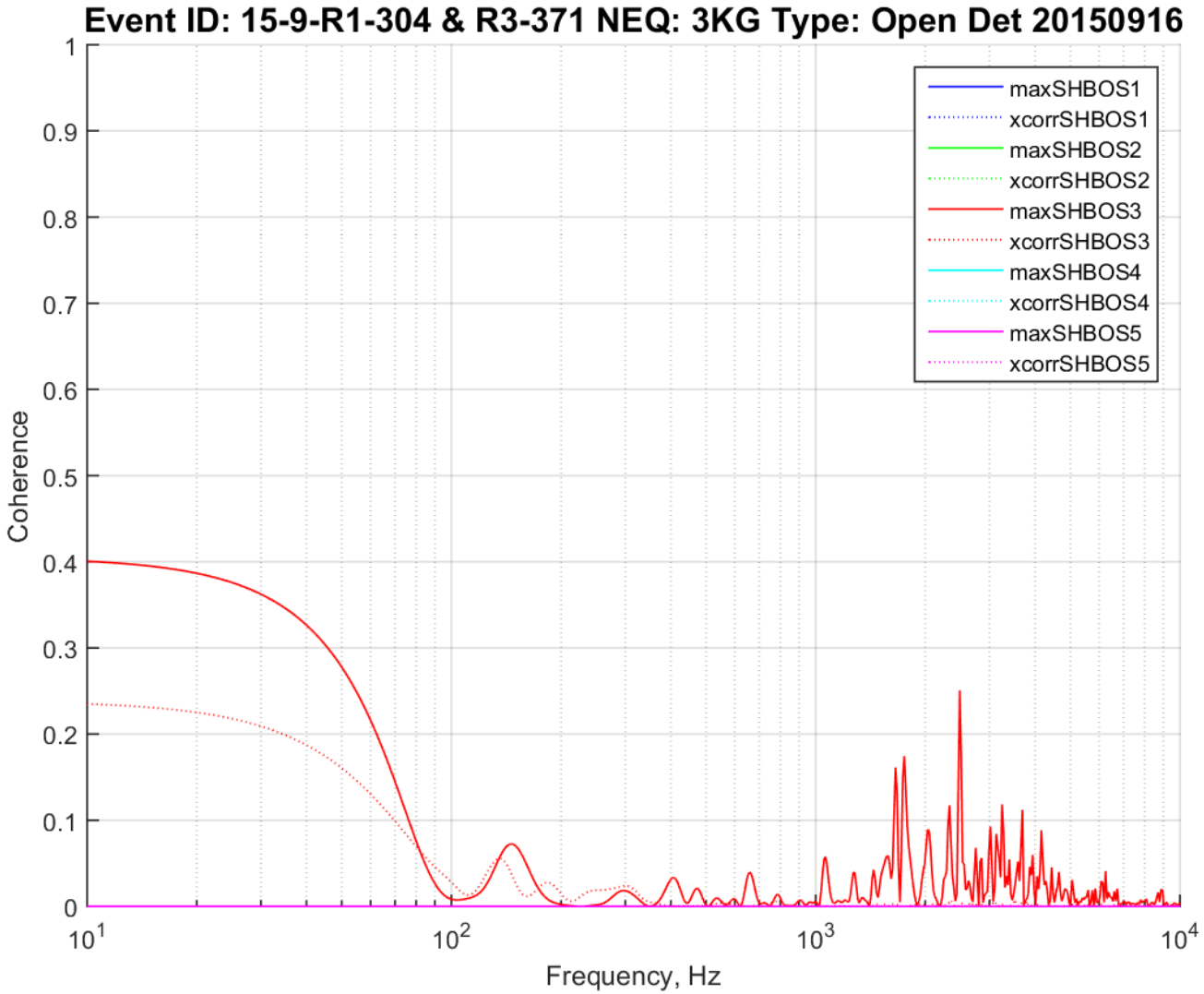


FIGURE 2.1078: COHERENCE SHB_OS 1 - 5 15-9-R1-304 & R3-371

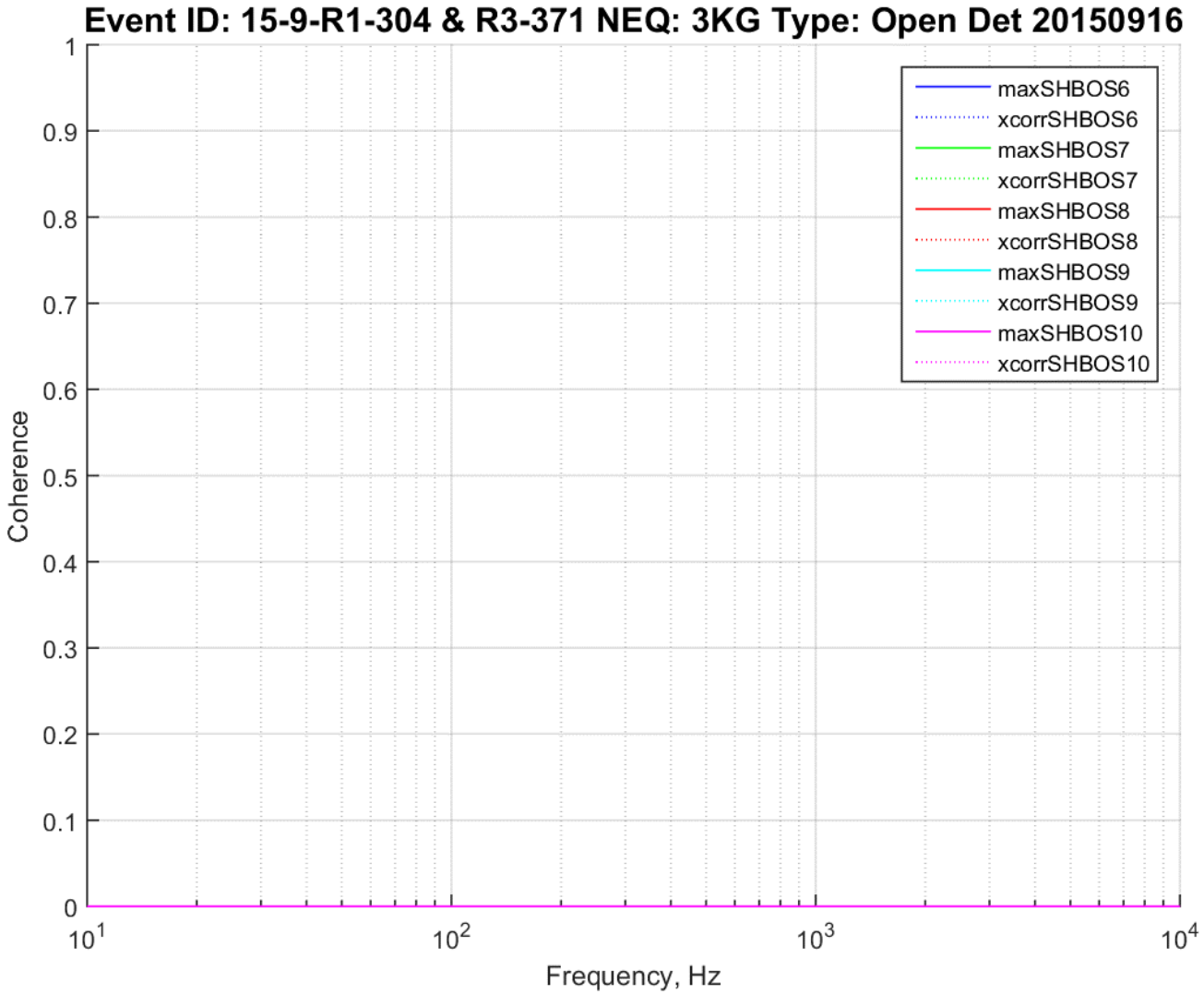


FIGURE 2.1079: COHERENCE SHB_OS 6 - 10 15-9-R1-304 & R3-371CTD

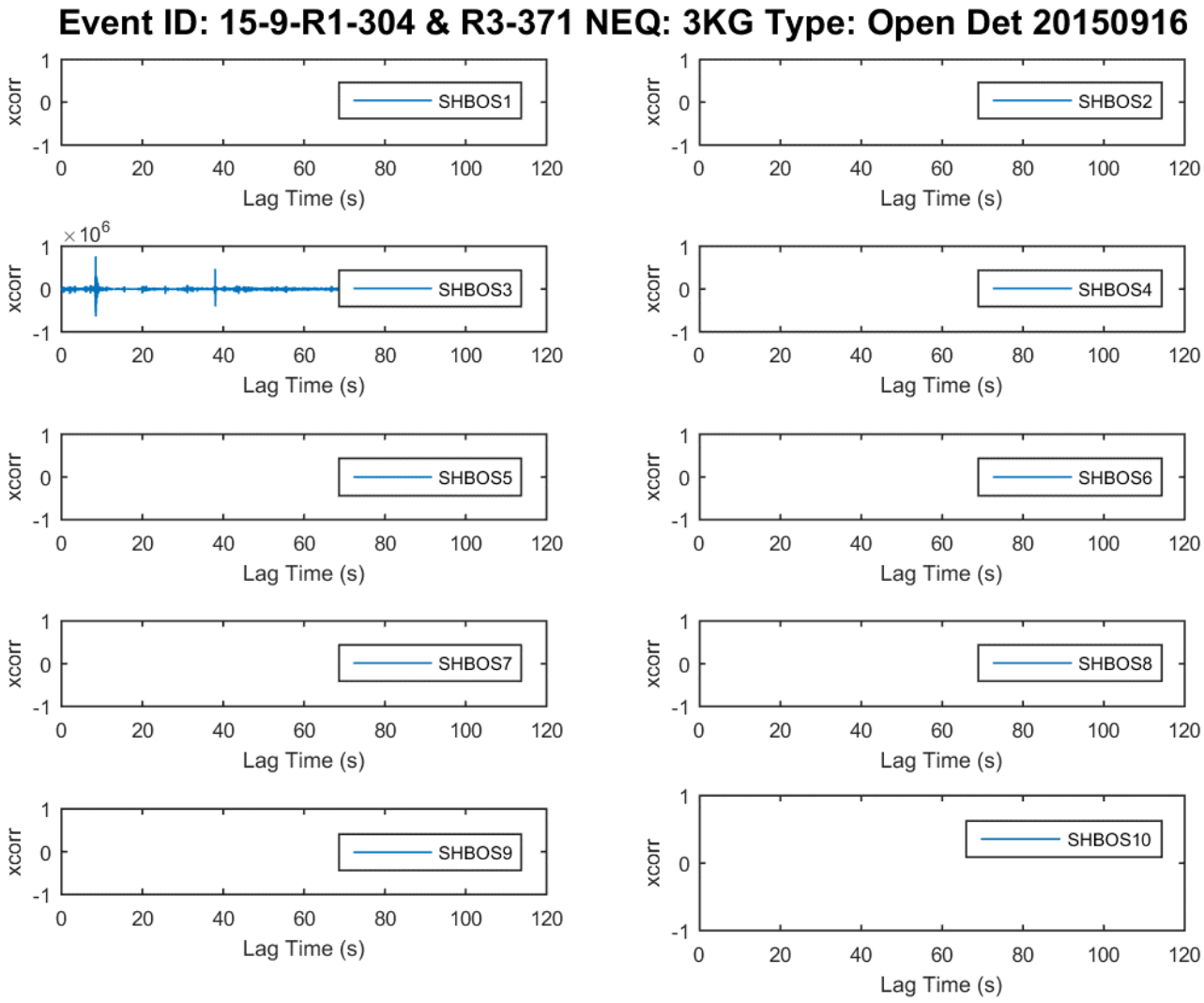


FIGURE 2.1080: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-304 & R3-371

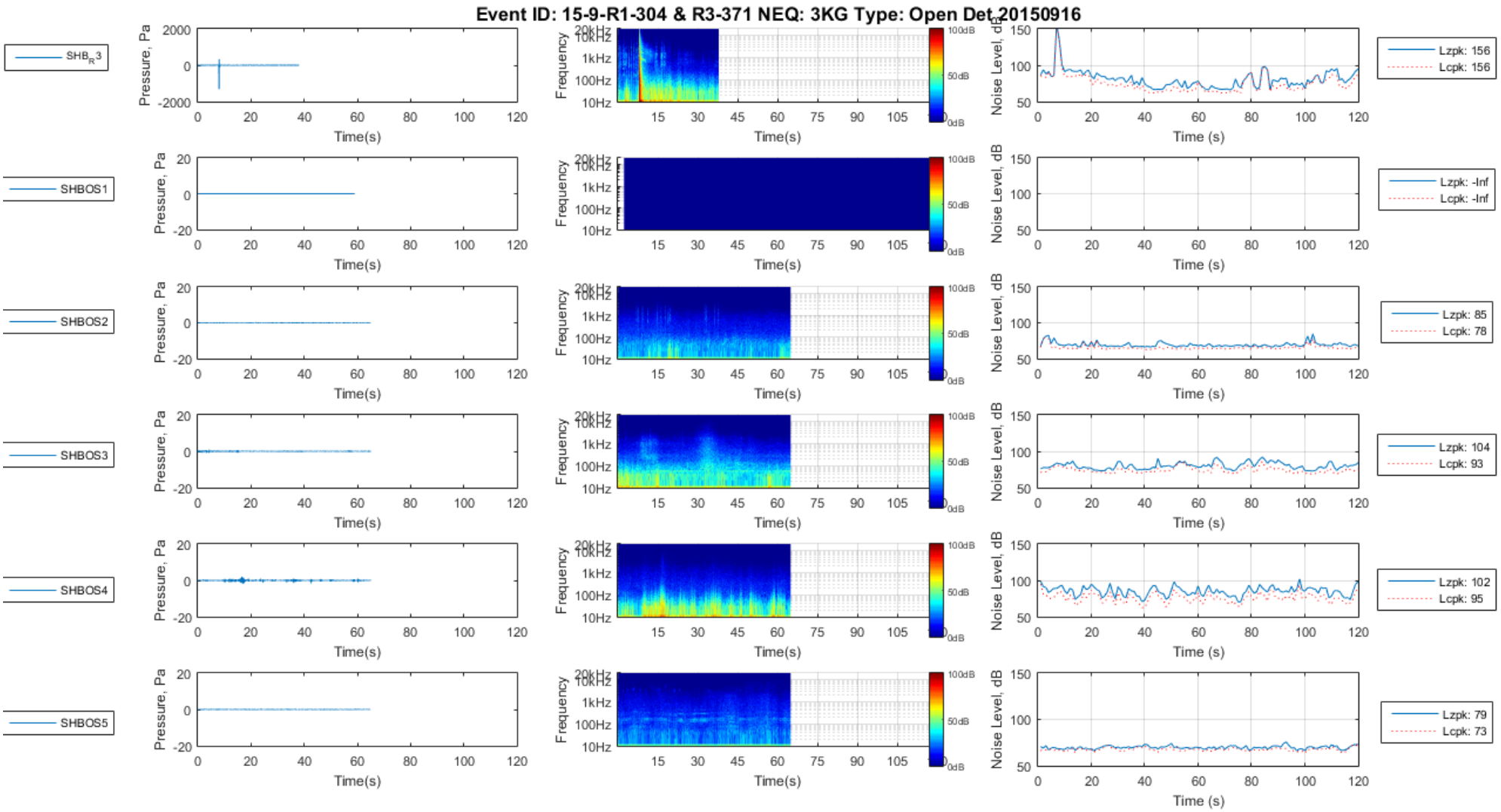


FIGURE 2.1081: SHB_OS 1 - 5 15-9-R1-304 & R3-371

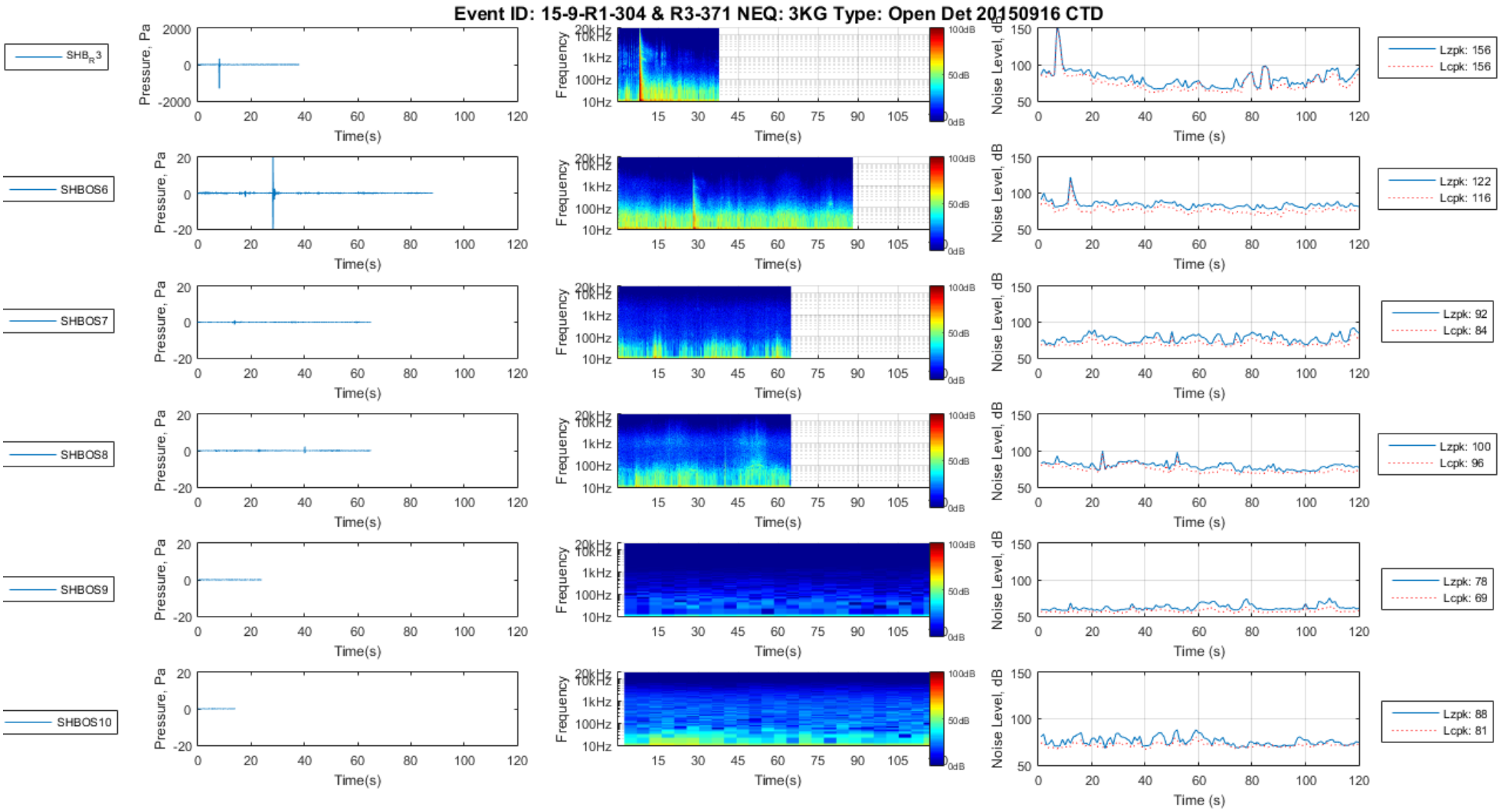


FIGURE 2.1082: SHB_OS 6 - 10 15-9-R1-304 & R3-371

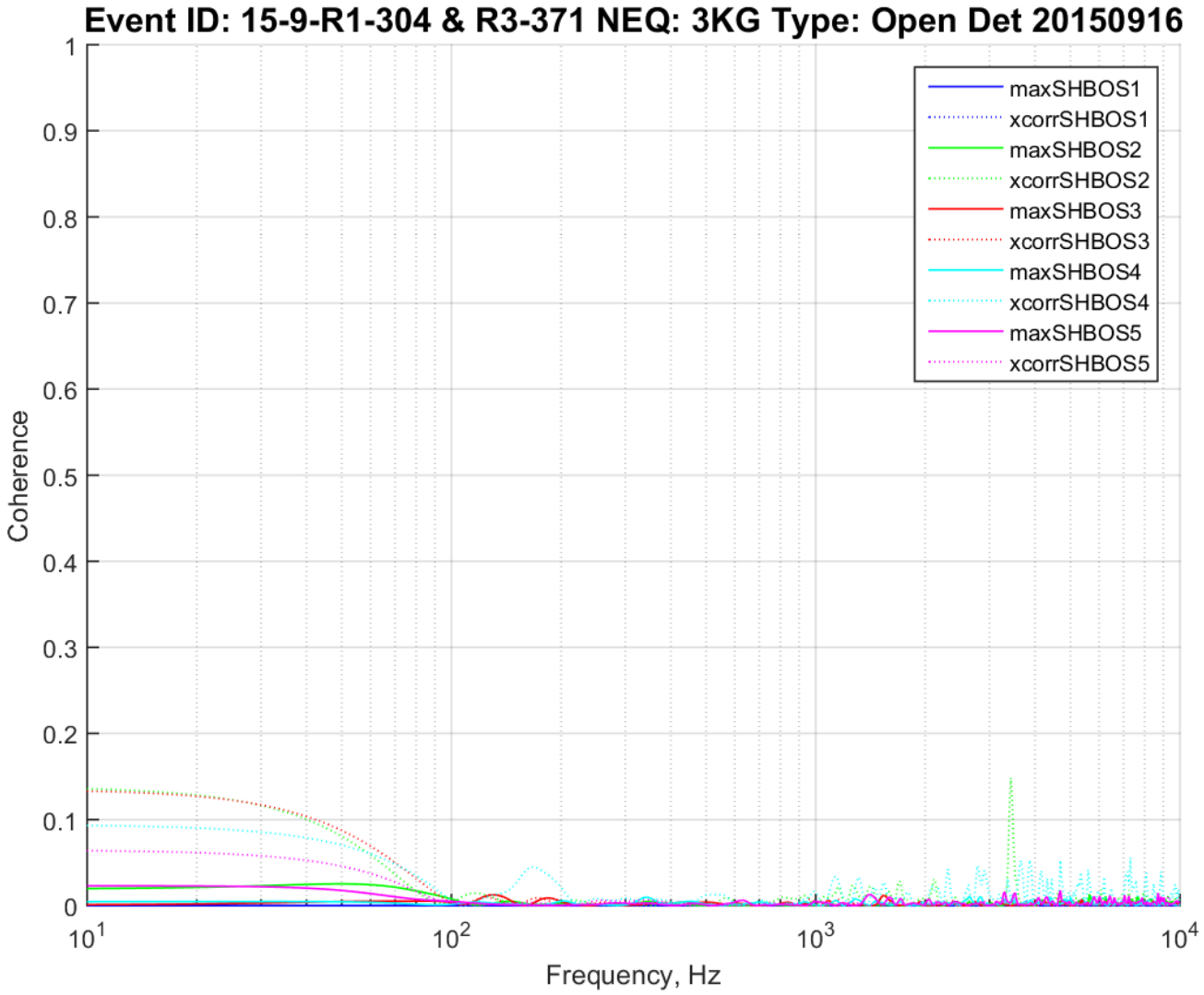


FIGURE 2.1083: COHERENCE SHB_OS 1 - 5 15-9-R1-304 & R3-371

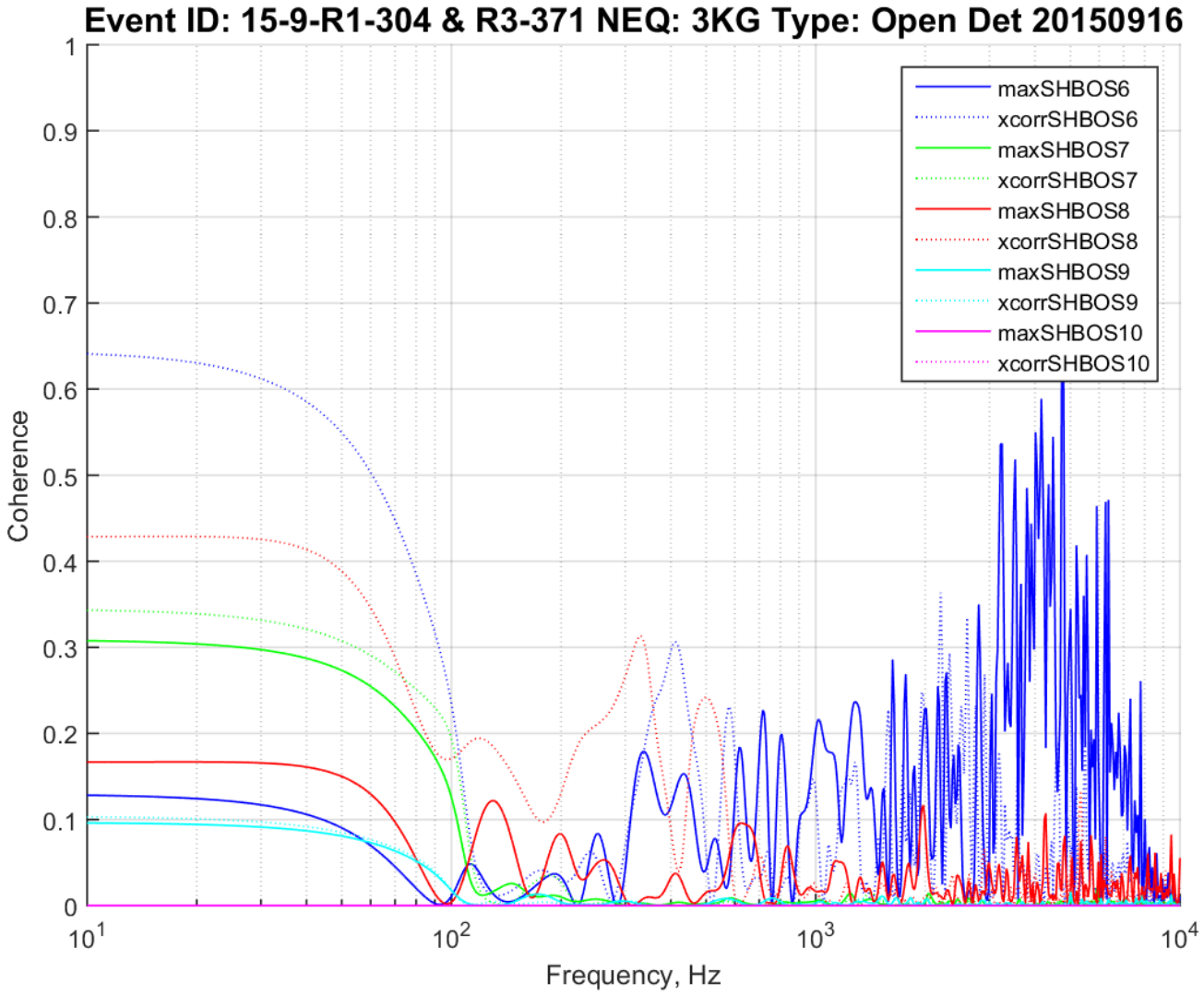


FIGURE 2.1084: COHERENCE SHB_OS 6 - 10 15-9-R1-304 & R3-371CTD

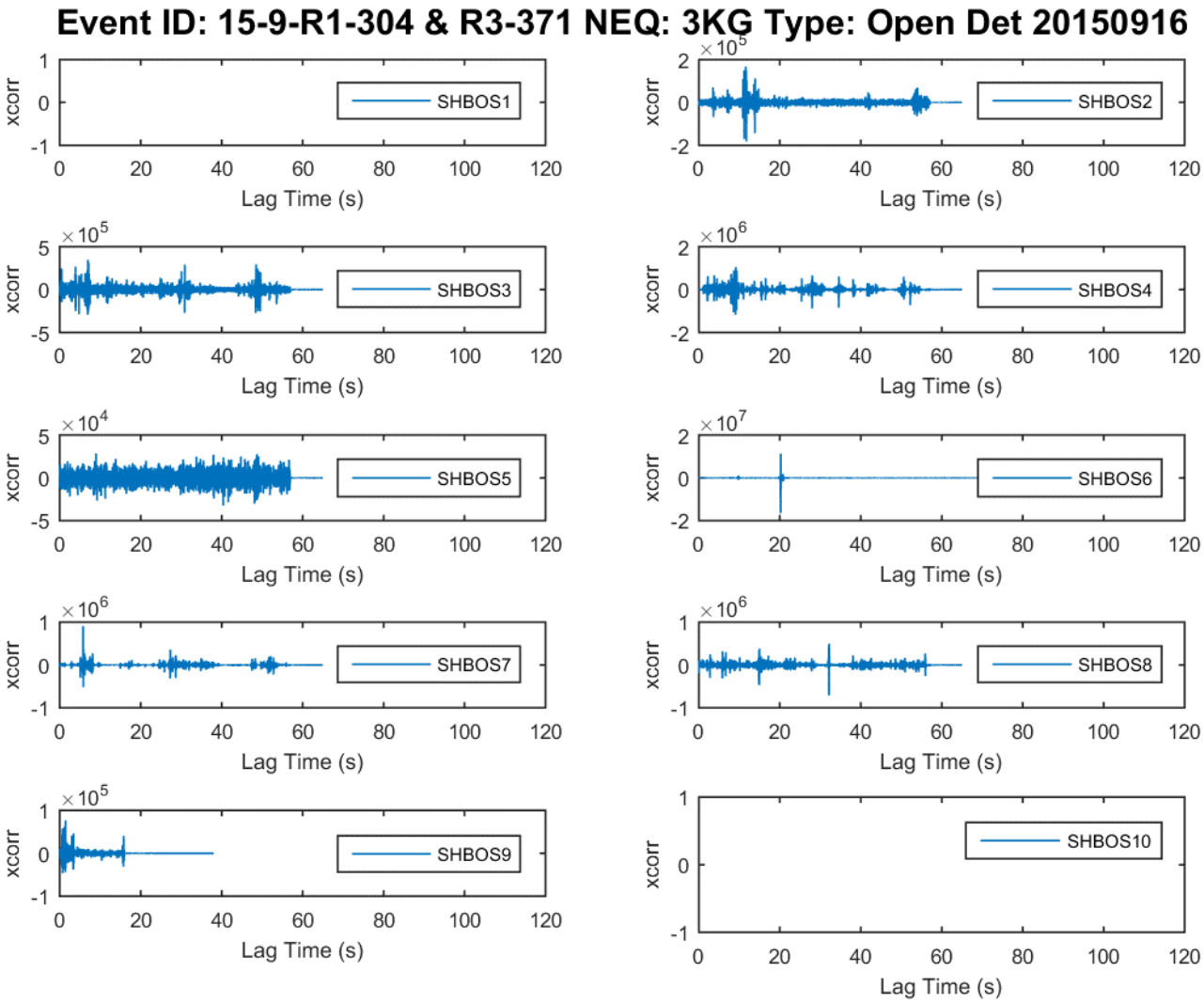


FIGURE 2.1085: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-304 & R3-371

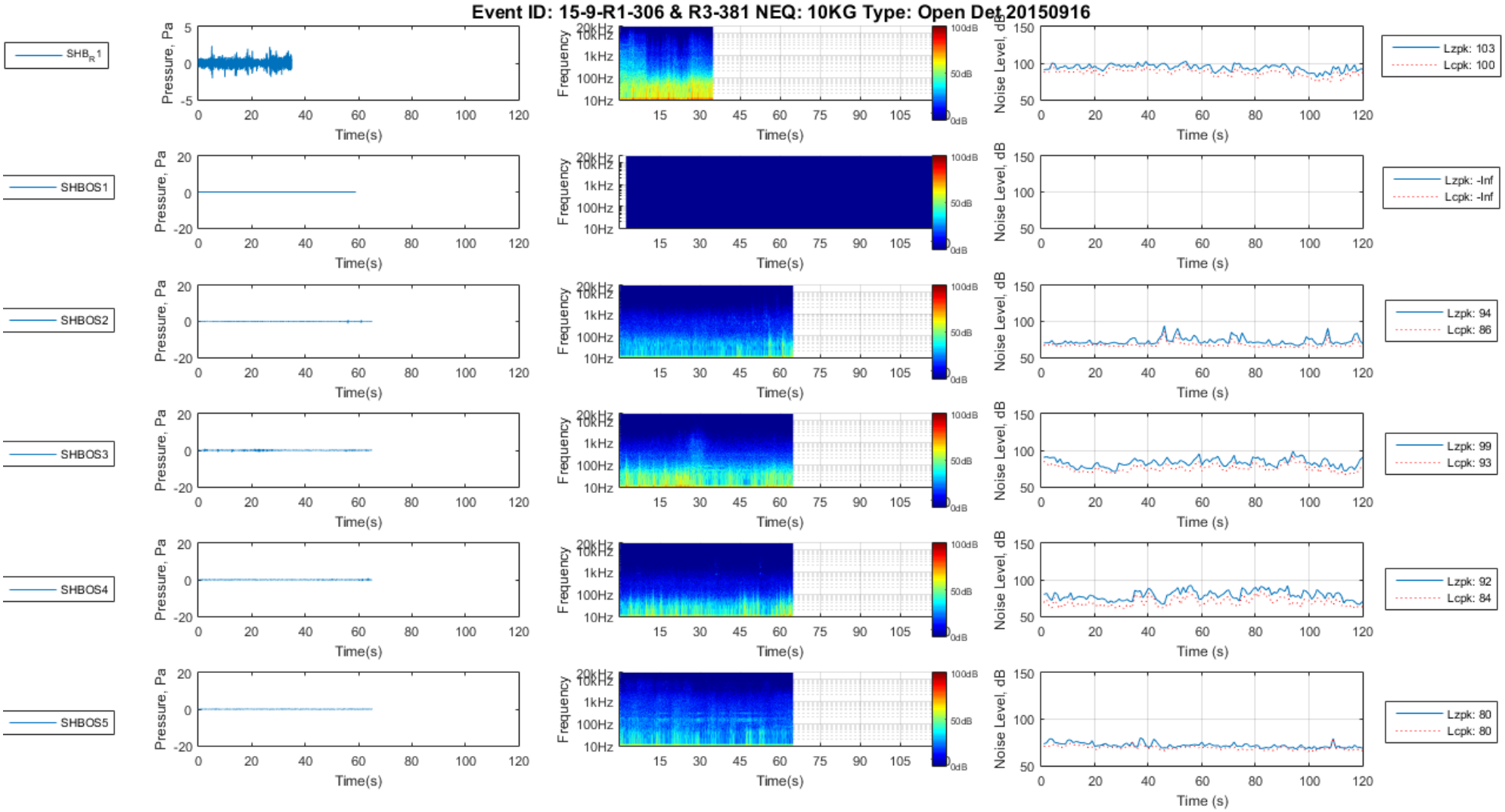


FIGURE 2.1086: SHB_OS 1 - 5 15-9-R1-306 & R3-381

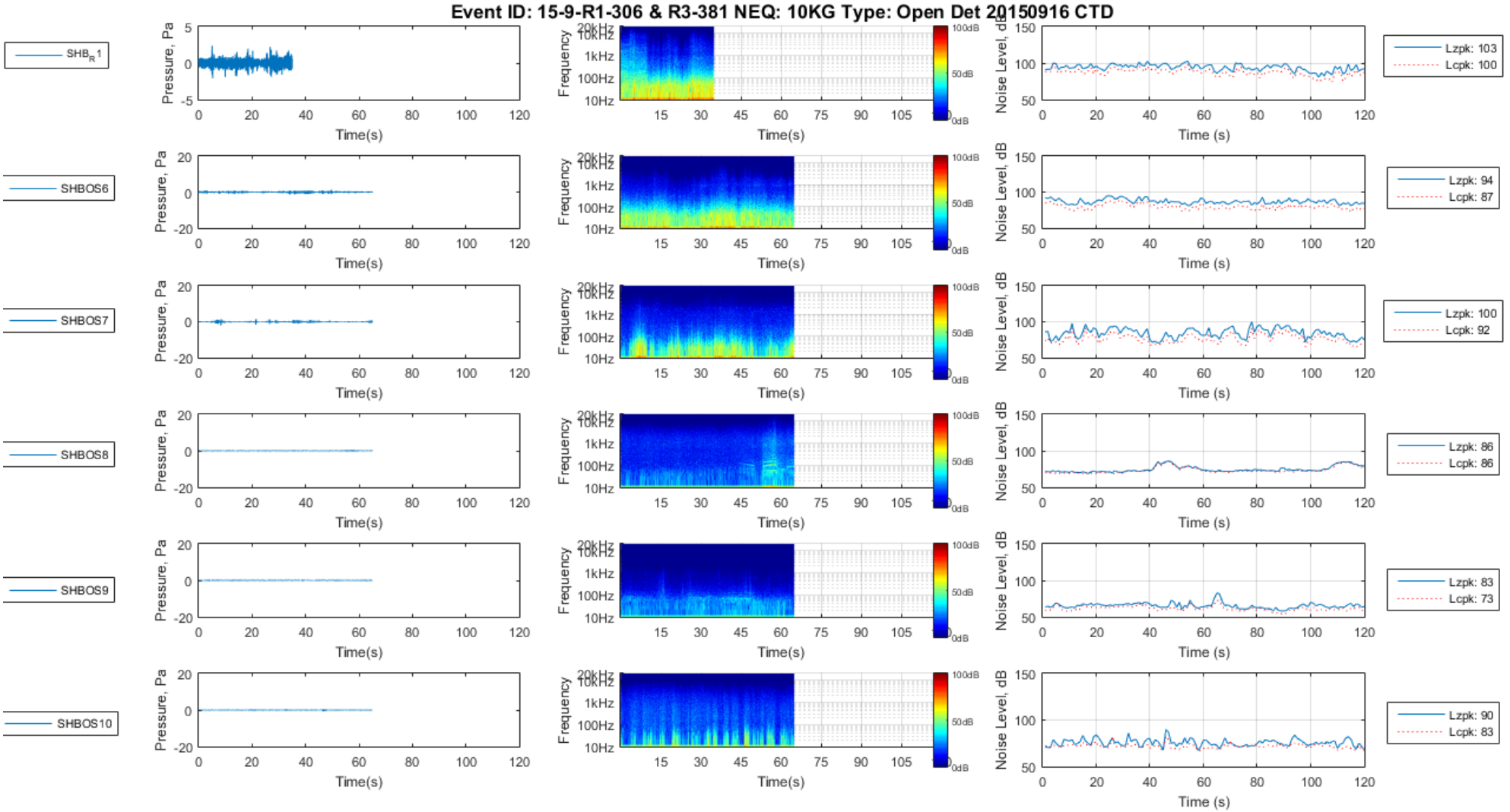


FIGURE 2.1087: SHB_OS 6 - 10 15-9-R1-306 & R3-381

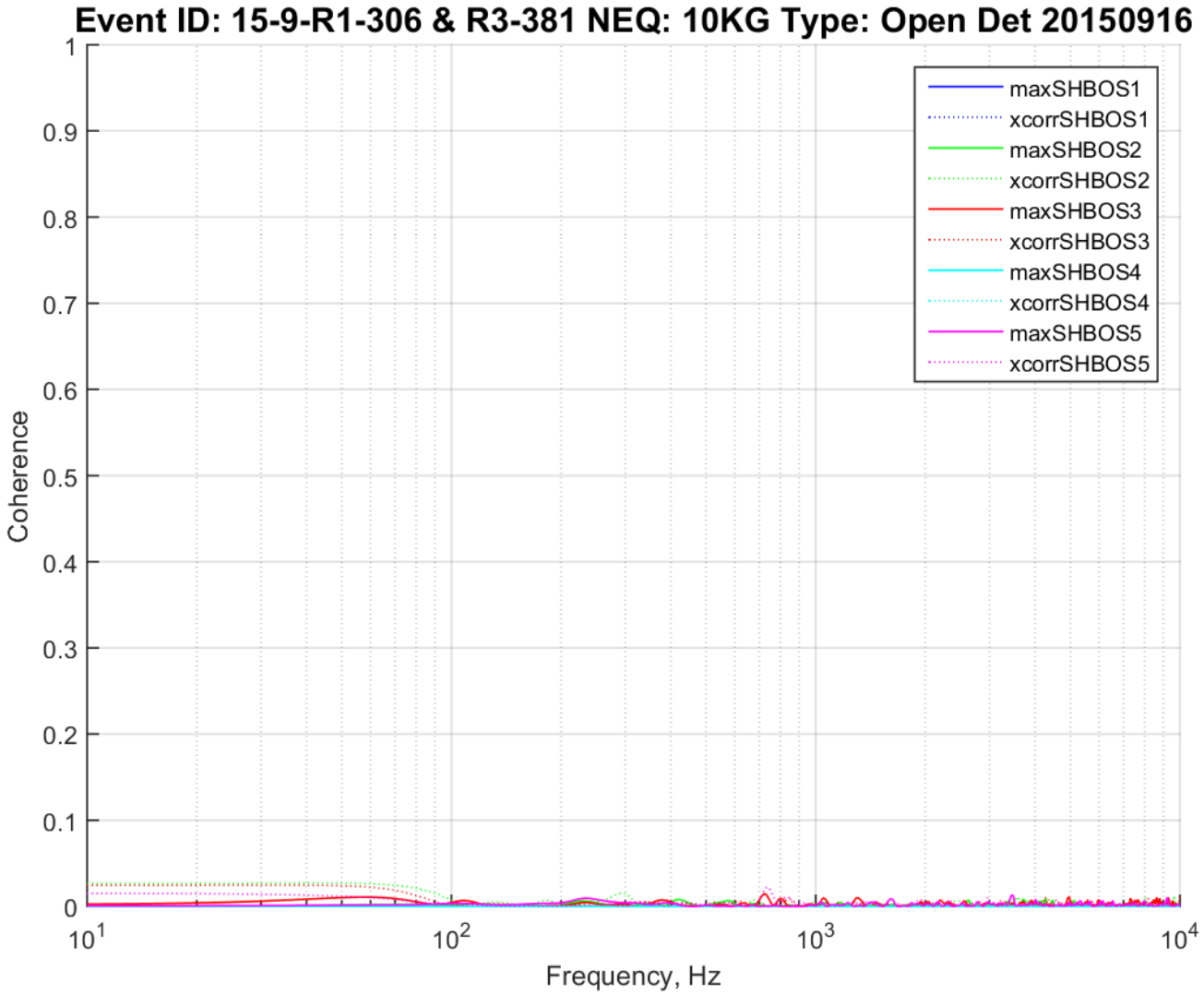


FIGURE 2.1088: COHERENCE SHB_OS 1 - 5 15-9-R1-306 & R3-381

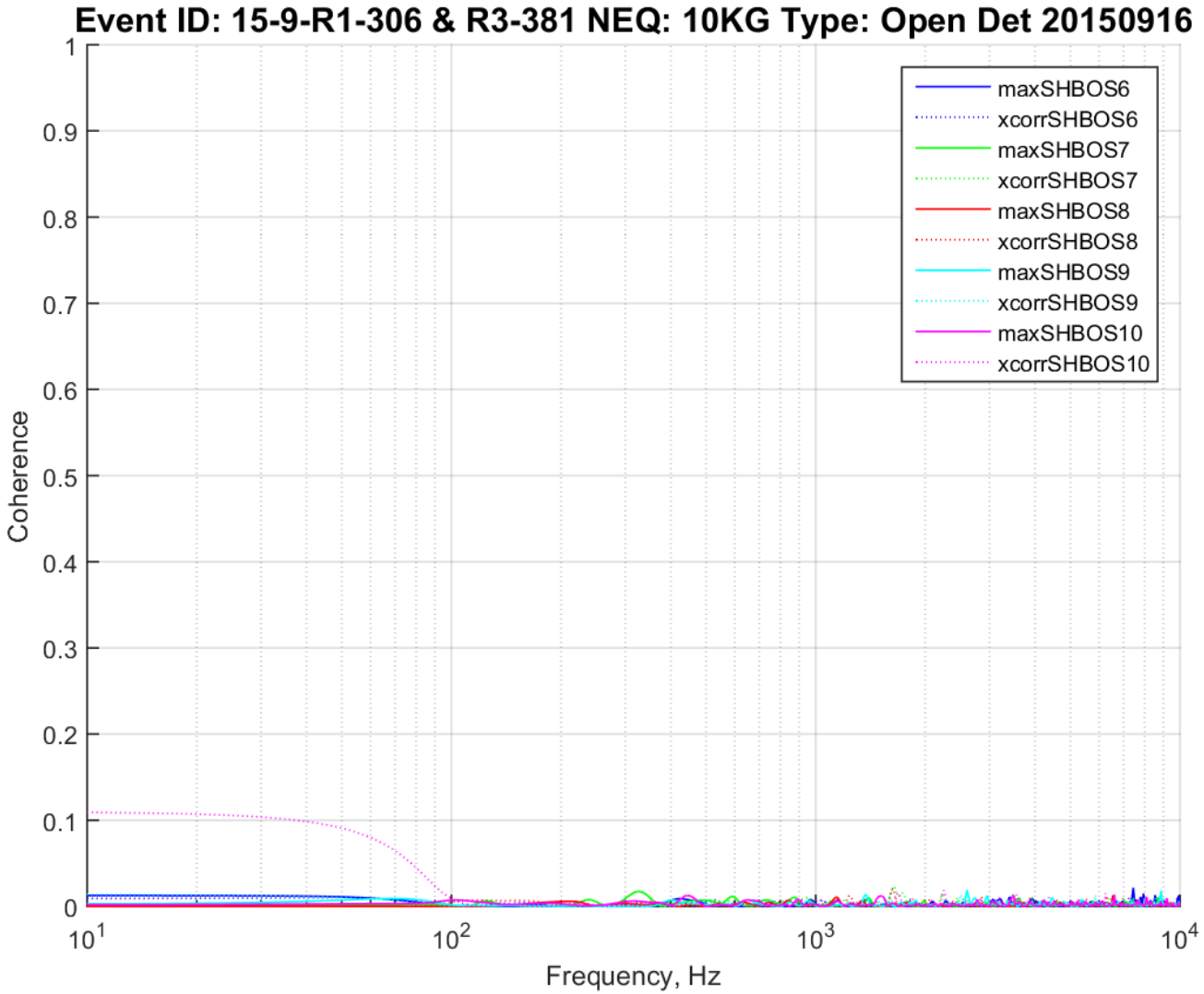


FIGURE 2.1089: COHERENCE SHB_OS 6 - 10 15-9-R1-306 & R3-381CTD

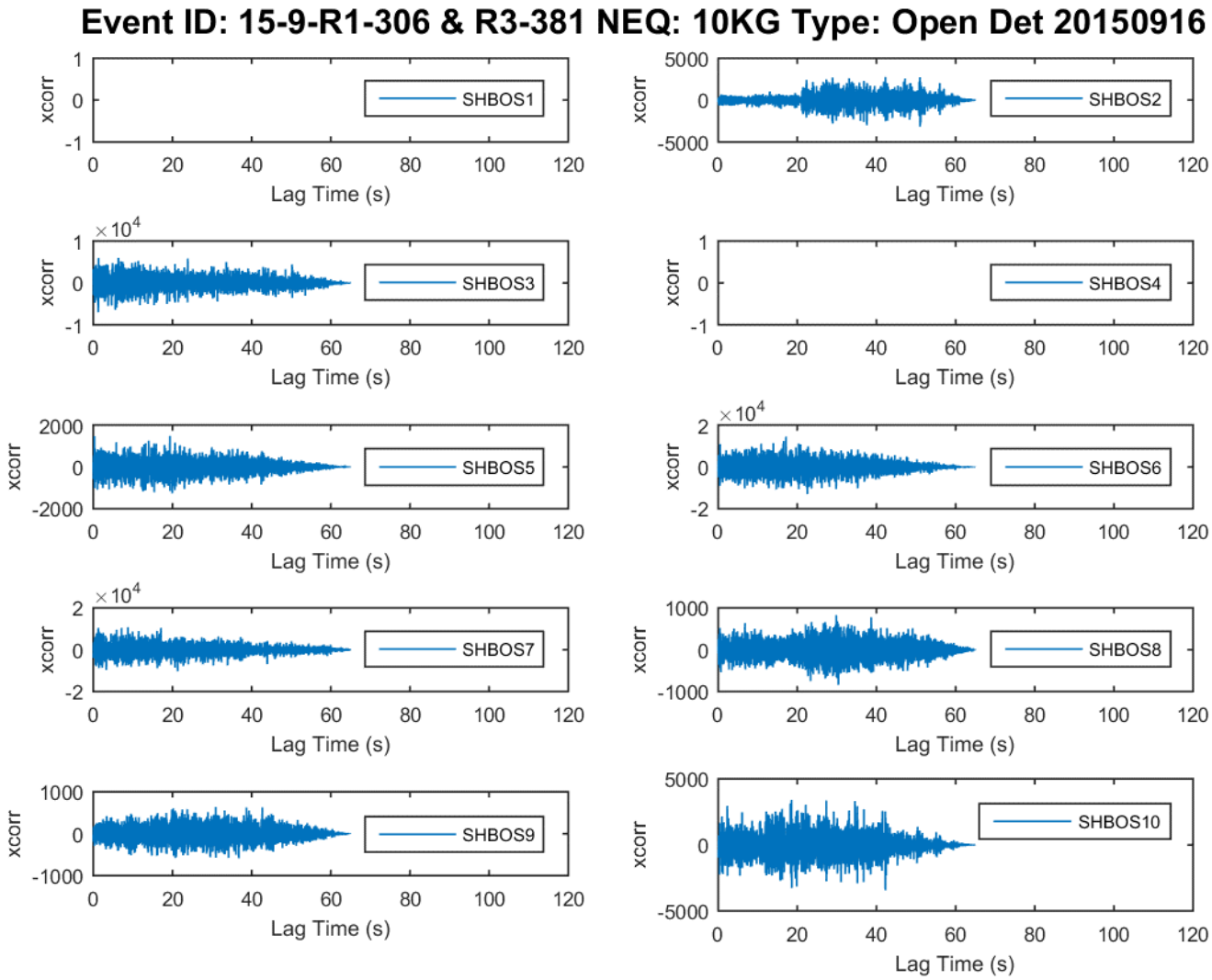


FIGURE 2.1090: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-306 & R3-381

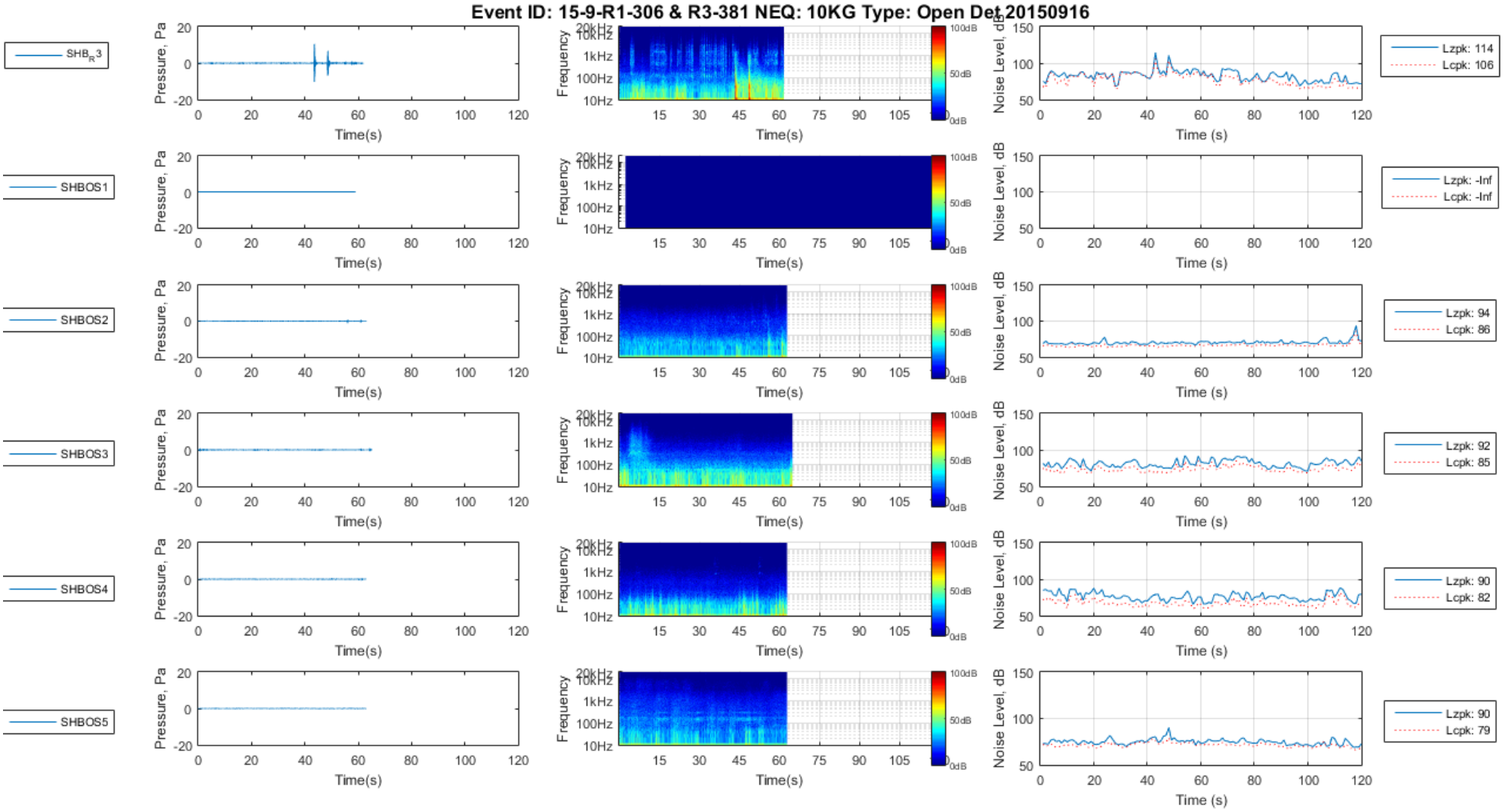


FIGURE 2.1091: SHB_OS 1 - 5 15-9-R1-306 & R3-381

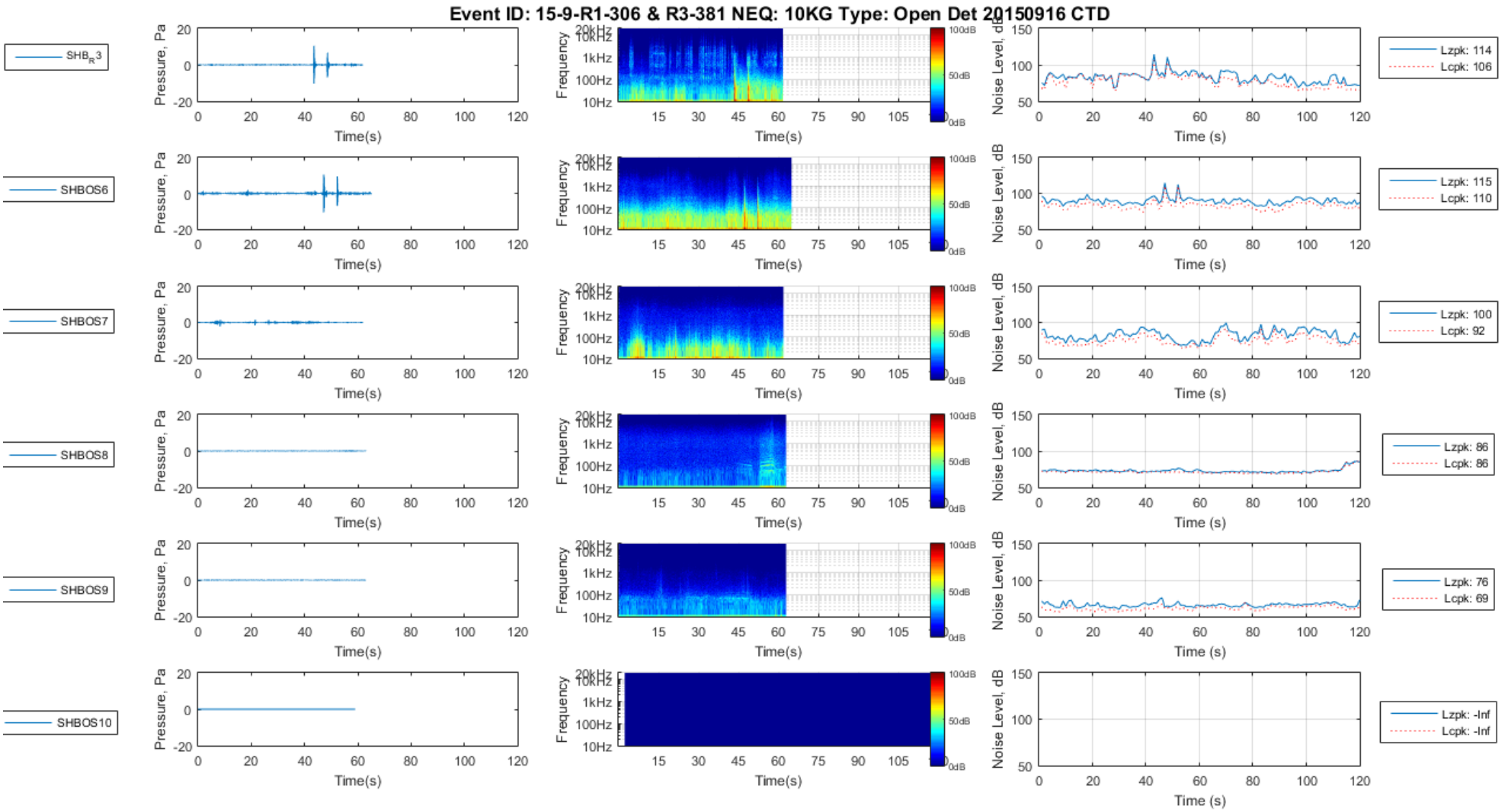


FIGURE 2.1092: SHB_OS 6 - 10 15-9-R1-306 & R3-381

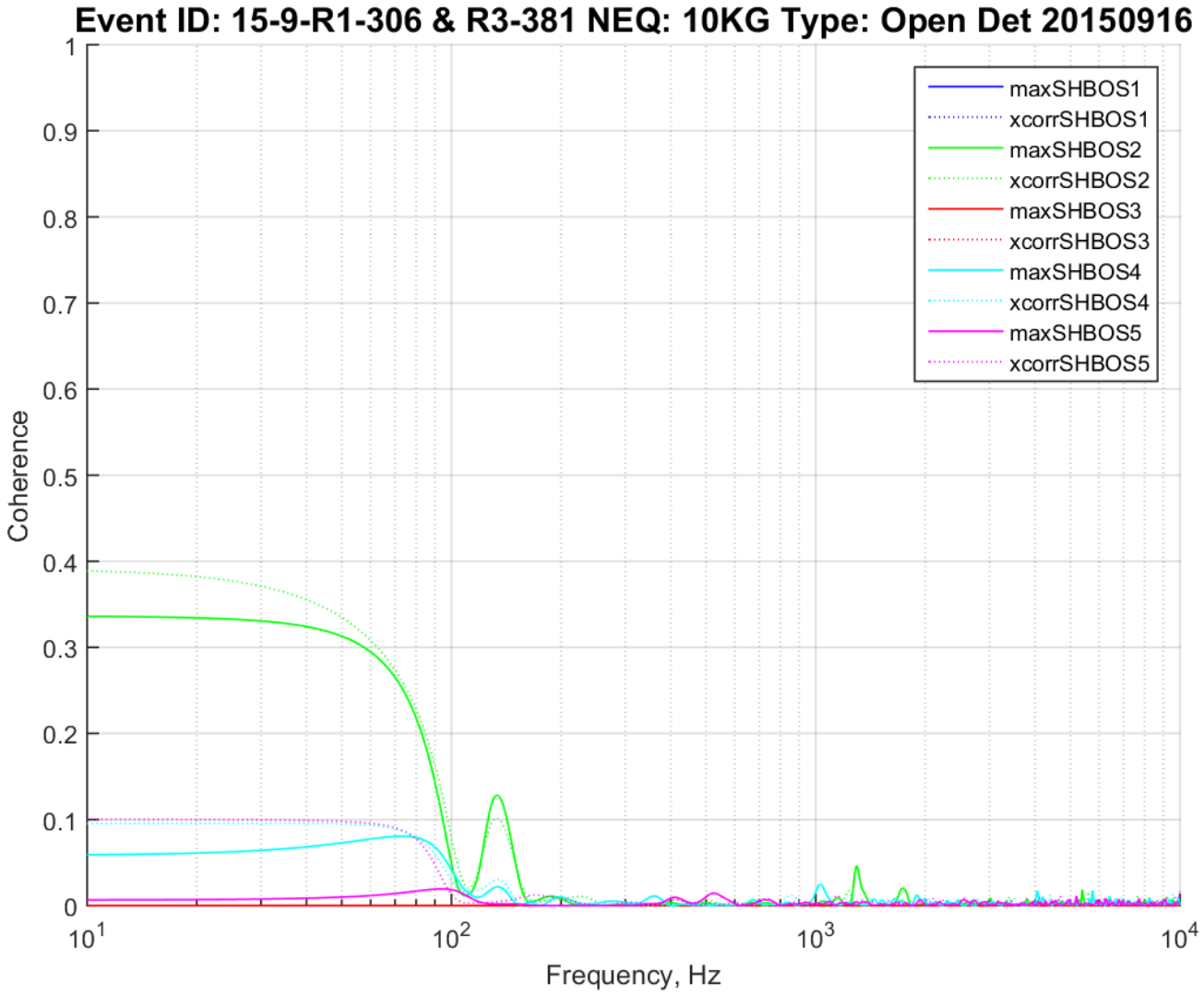


FIGURE 2.1093: COHERENCE SHB_OS 1 - 5 15-9-R1-306 & R3-381

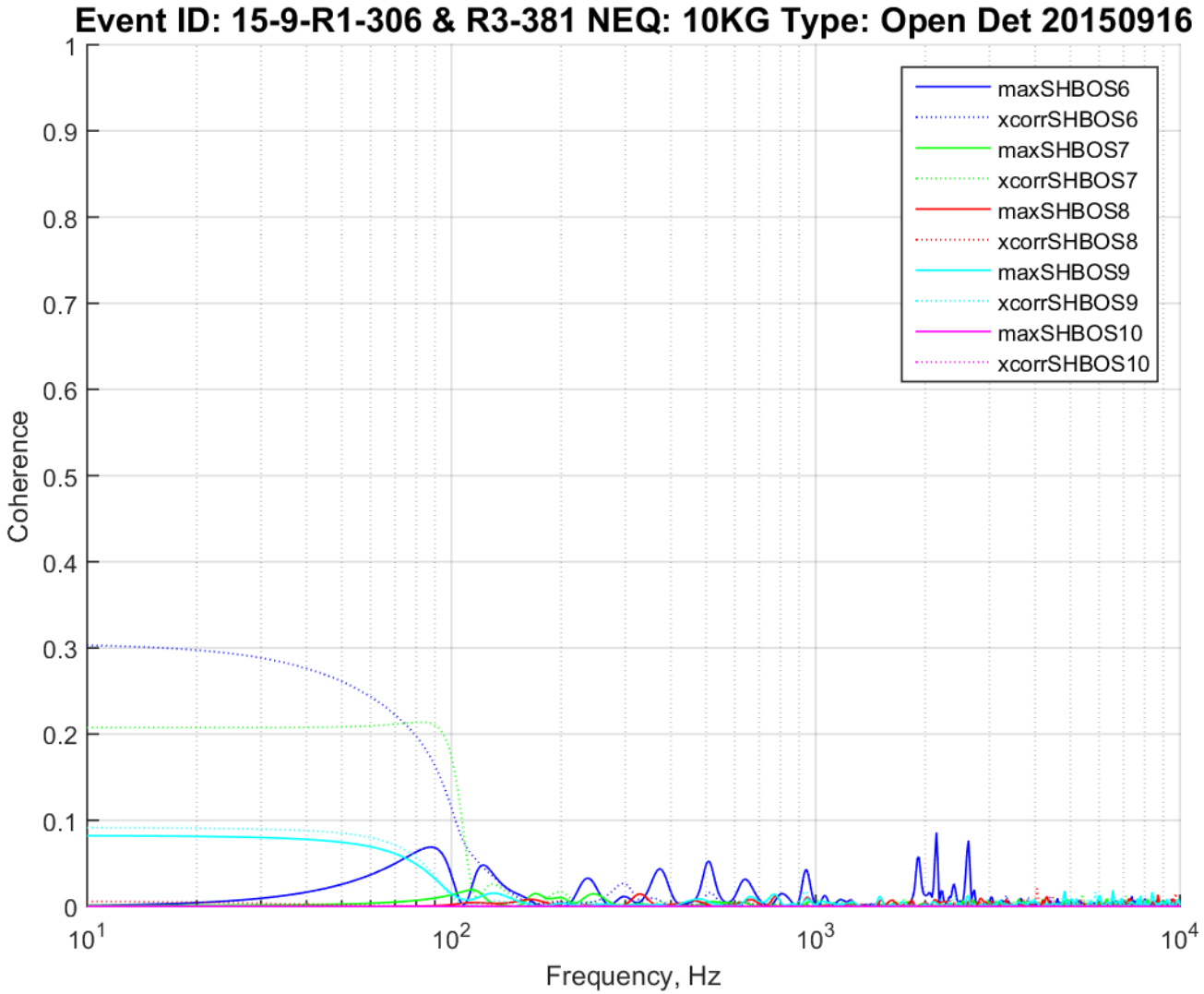


FIGURE 2.1094: COHERENCE SHB_OS 6 - 10 15-9-R1-306 & R3-381CTD

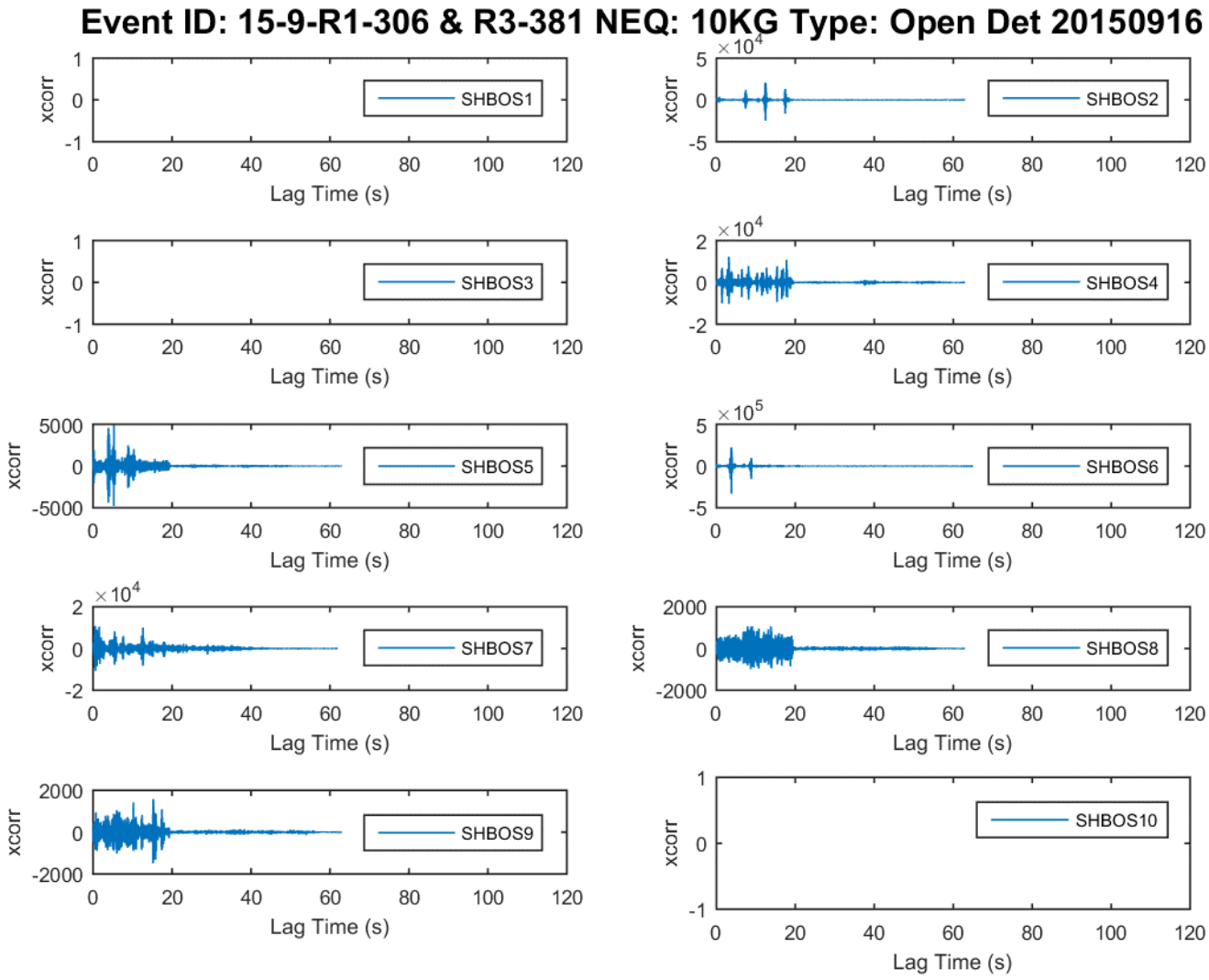


FIGURE 2.1095: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-306 & R3-381

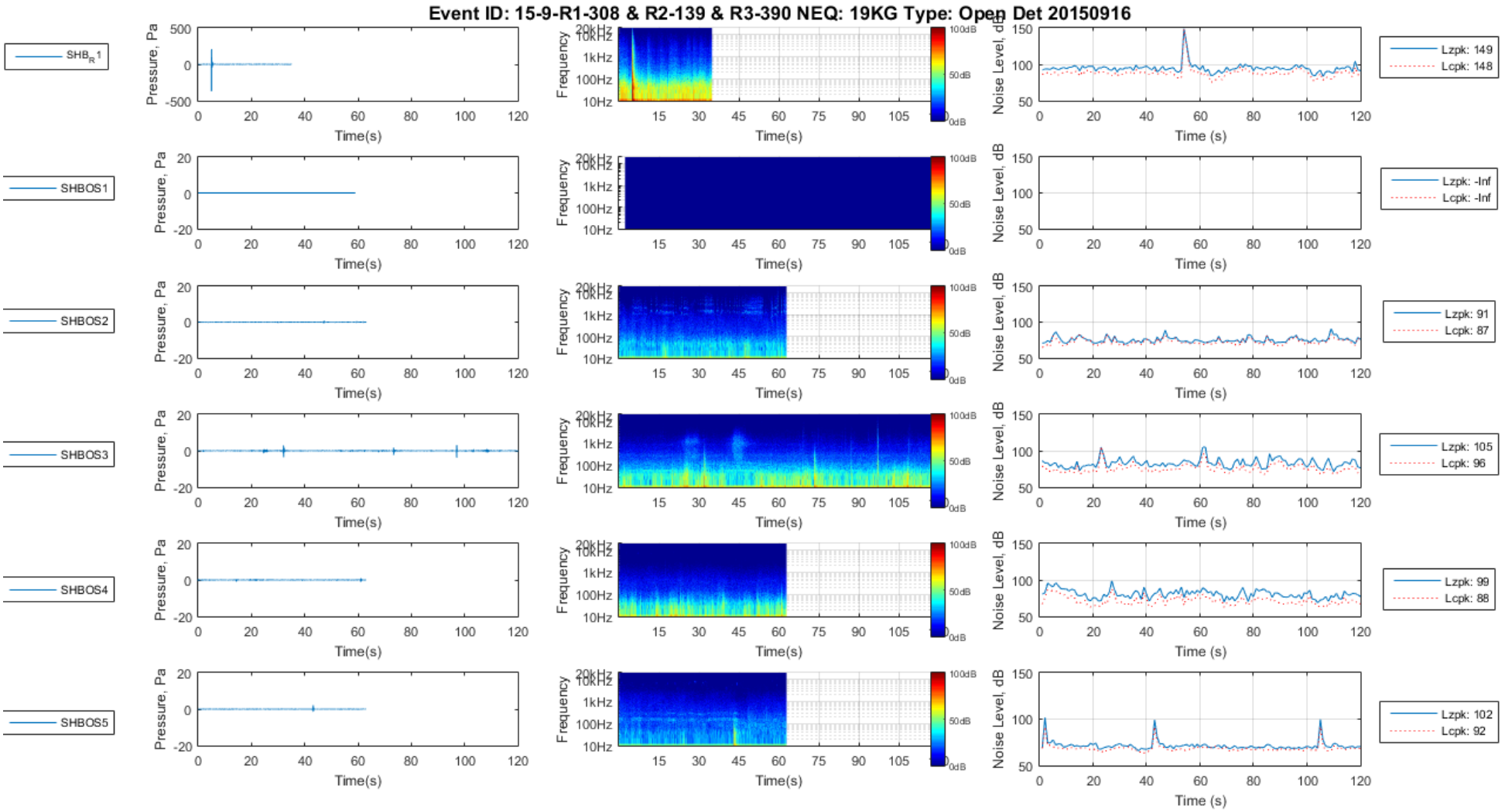


FIGURE 2.1096: SHB_OS 1 - 5 15-9-R1-308 & R2-139 & R3-390

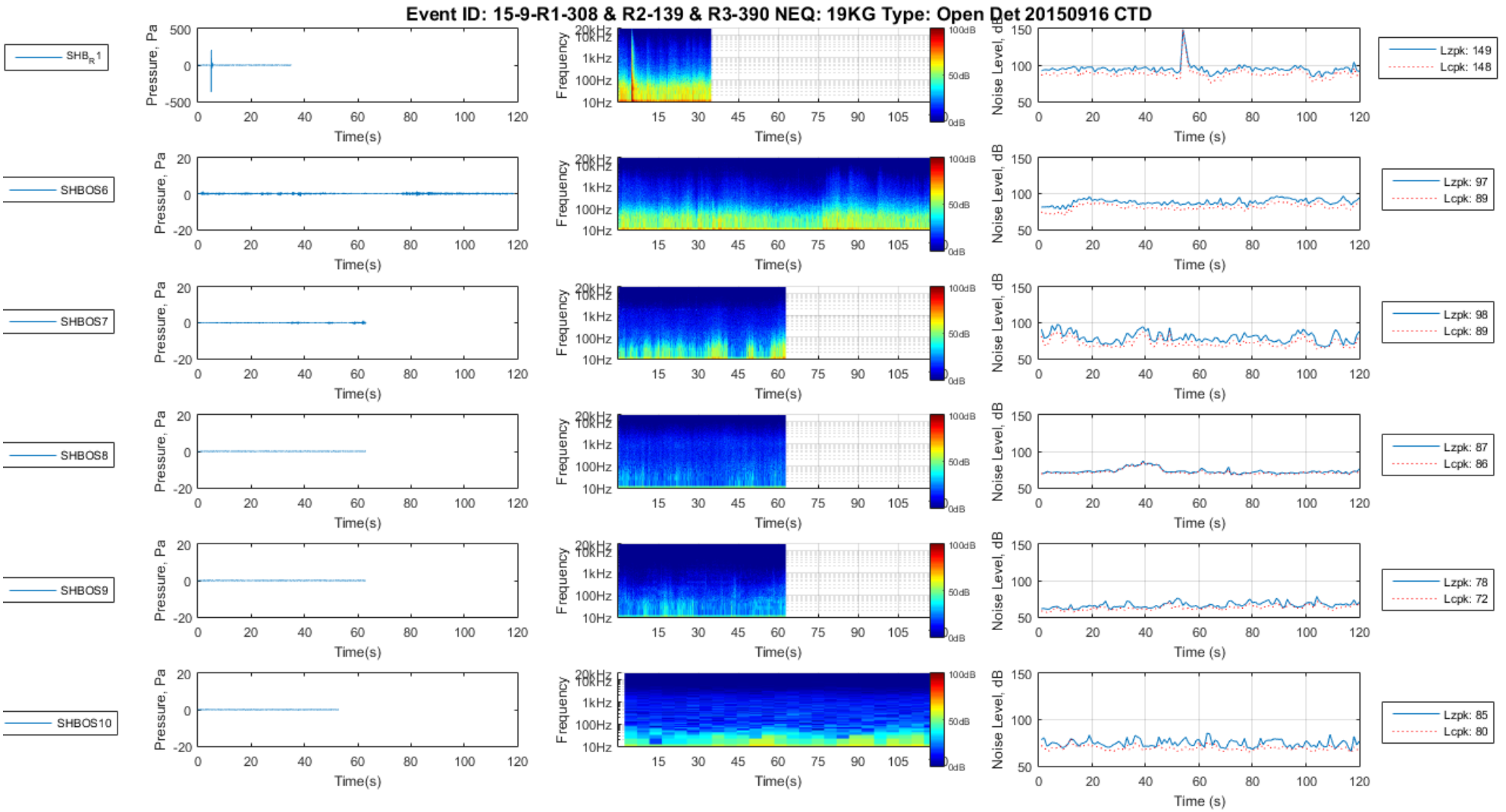


FIGURE 2.1097: SHB_OS 6 - 10 15-9-R1-308 & R2-139 & R3-390

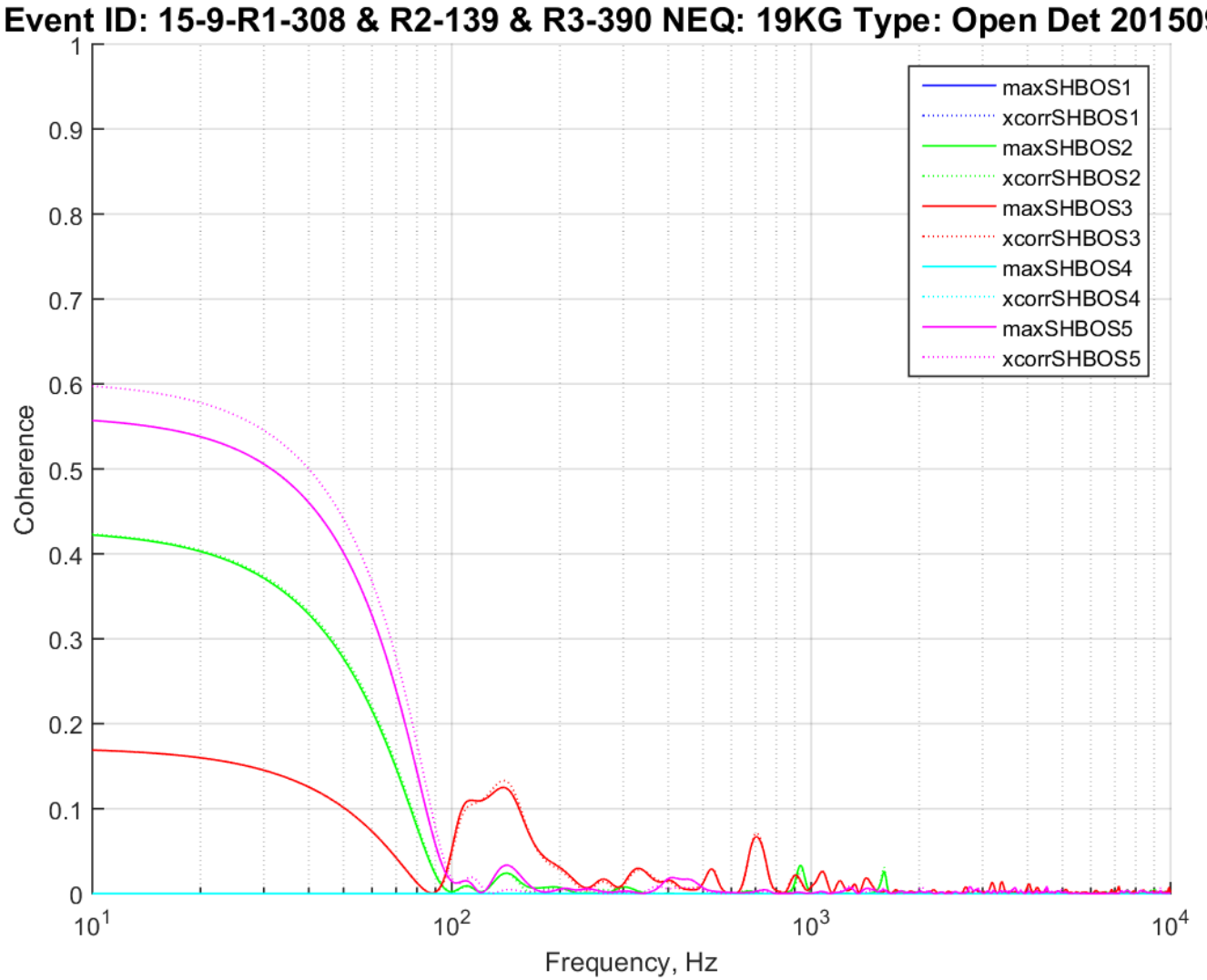


FIGURE 2.1098: COHERENCE SHB_OS 1 - 5 15-9-R1-308 & R2-139 & R3-390

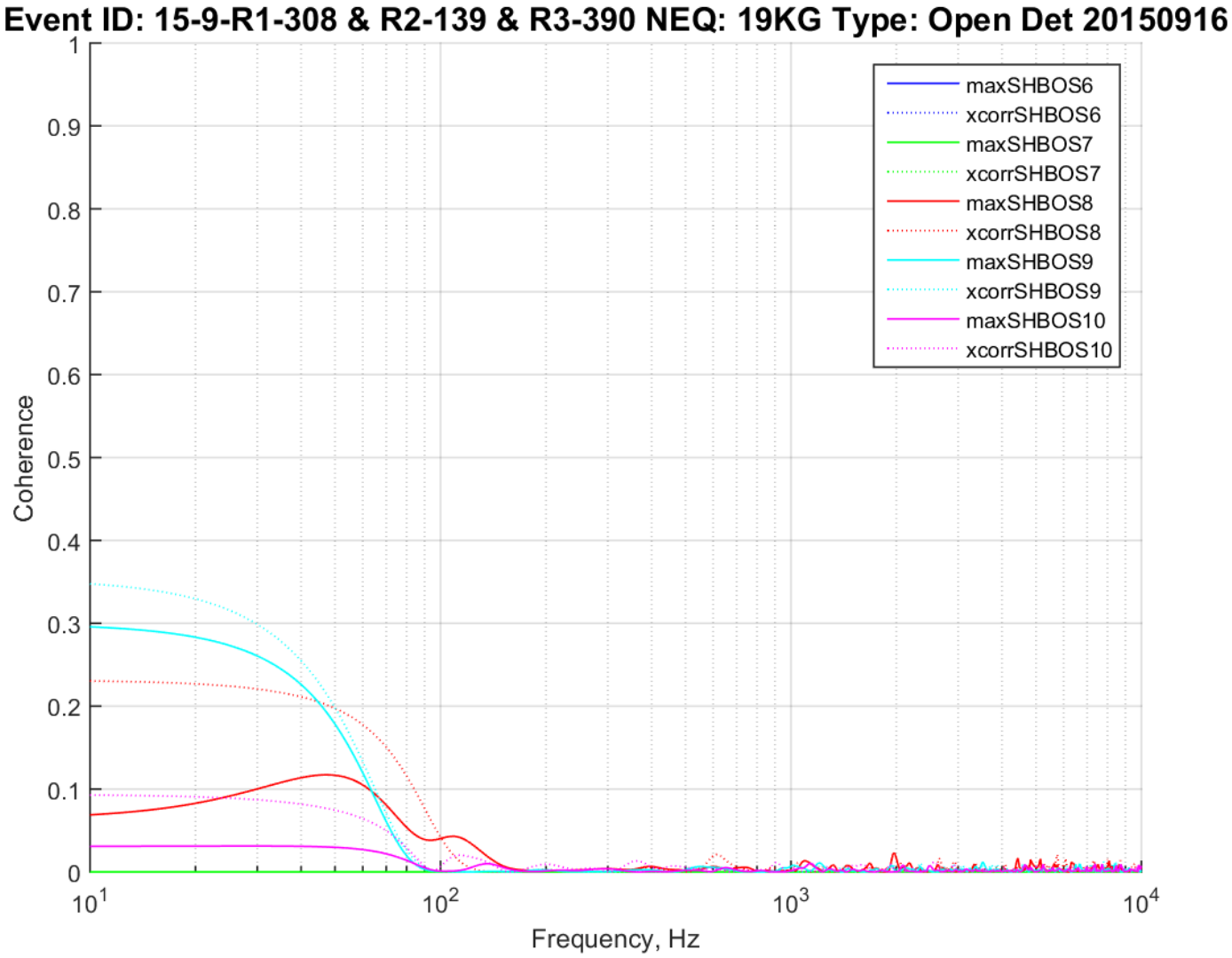


FIGURE 2.1099: COHERENCE SHB_OS 6 - 10 15-9-R1-308 & R2-139 & R3-390CTD

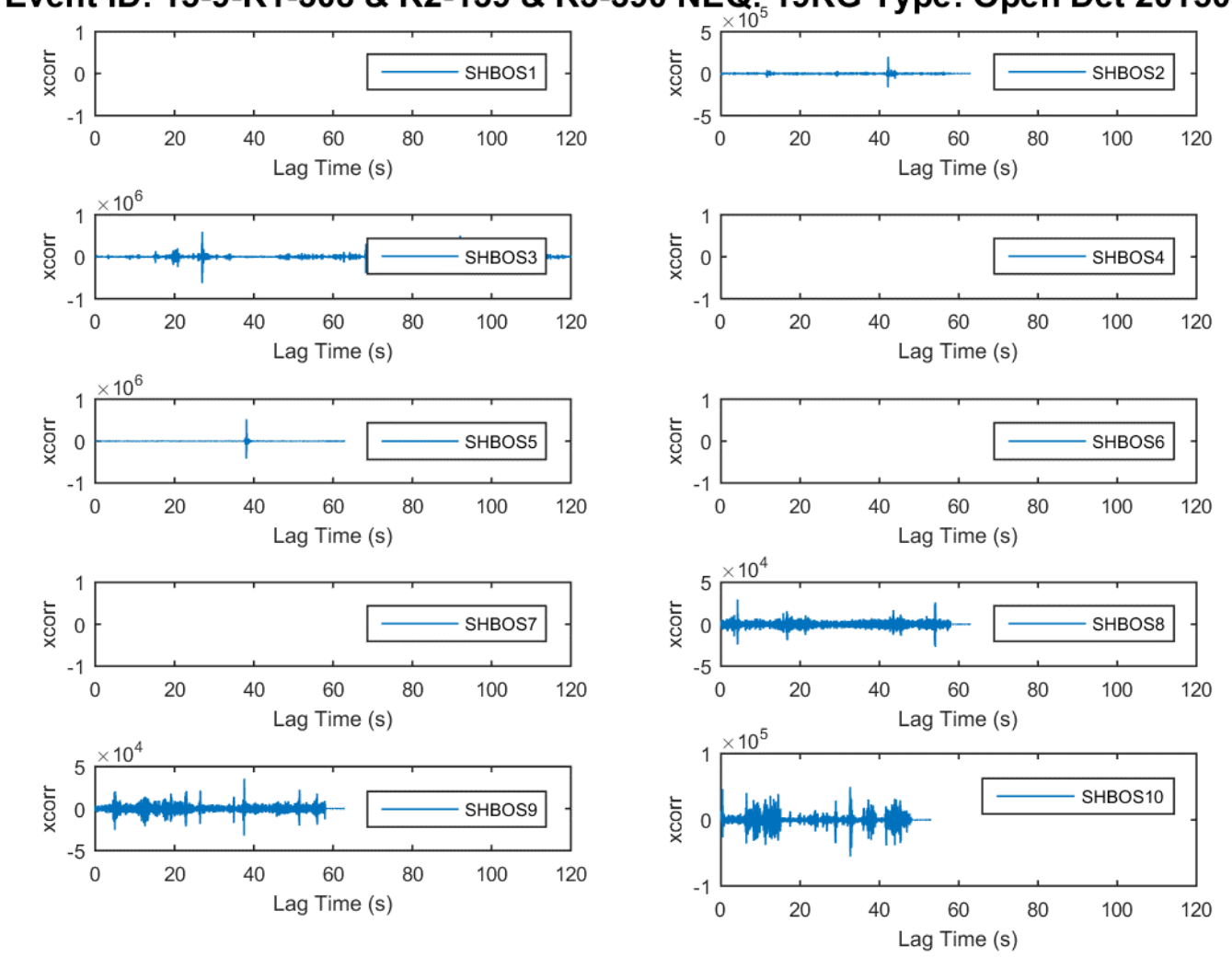


FIGURE 2.1100: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-308 & R2-139 & R3-390

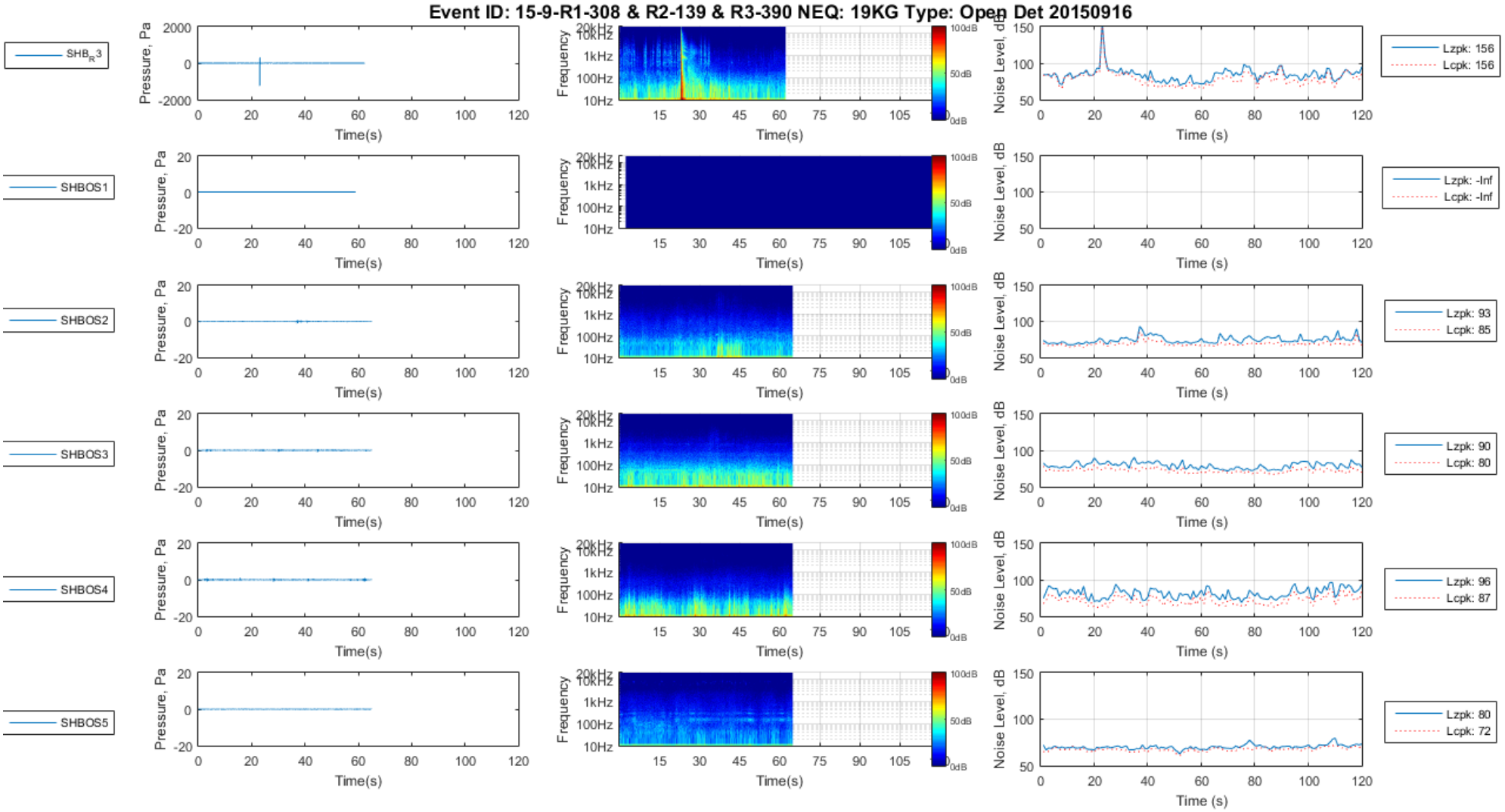


FIGURE 2.1101: SHB_OS 1 - 5 15-9-R1-308 & R2-139 & R3-390

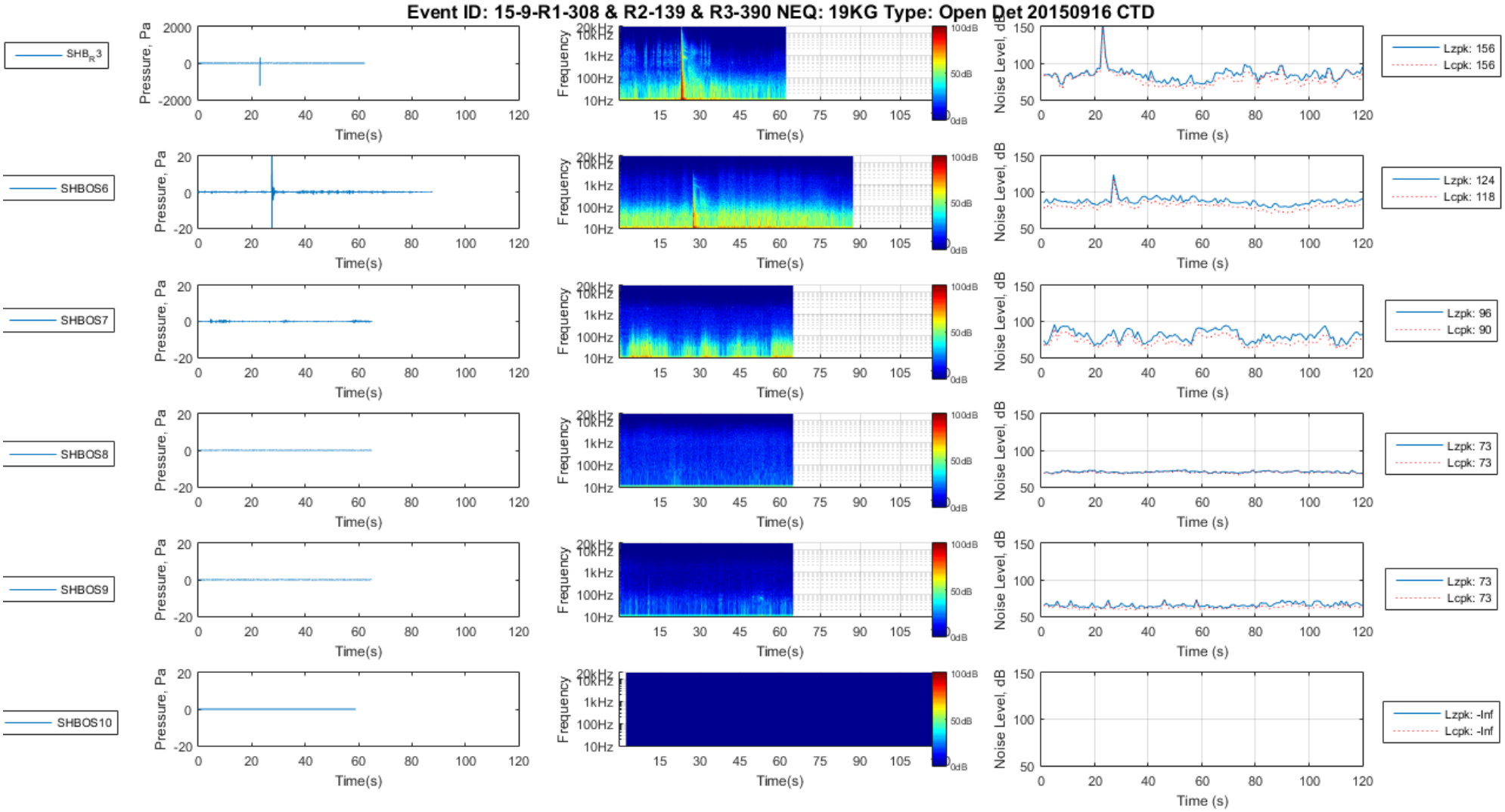


FIGURE 2.1102: SHB_OS 6 - 10 15-9-R1-308 & R2-139 & R3-390

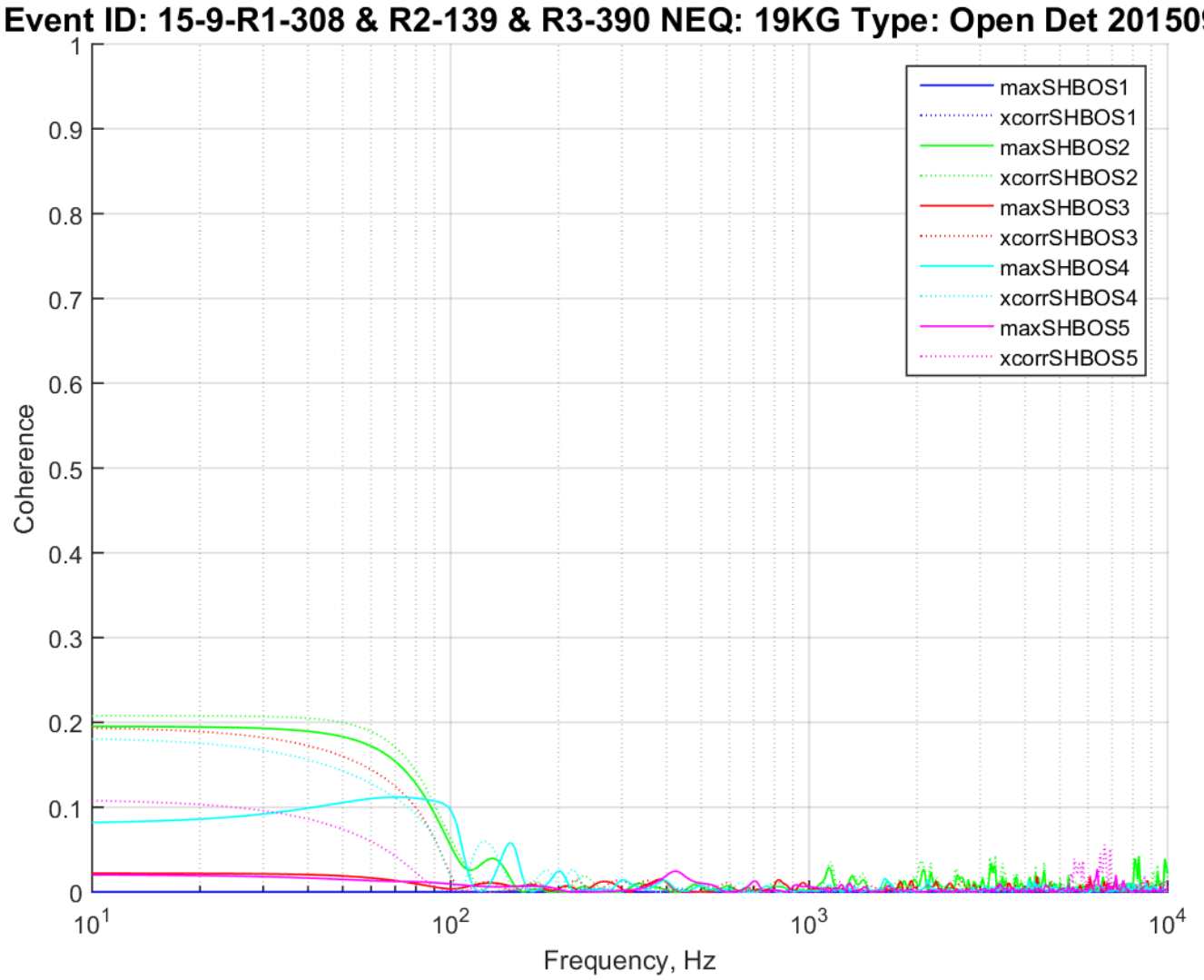


FIGURE 2.1103: COHERENCE SHB_OS 1 - 5 15-9-R1-308 & R2-139 & R3-390

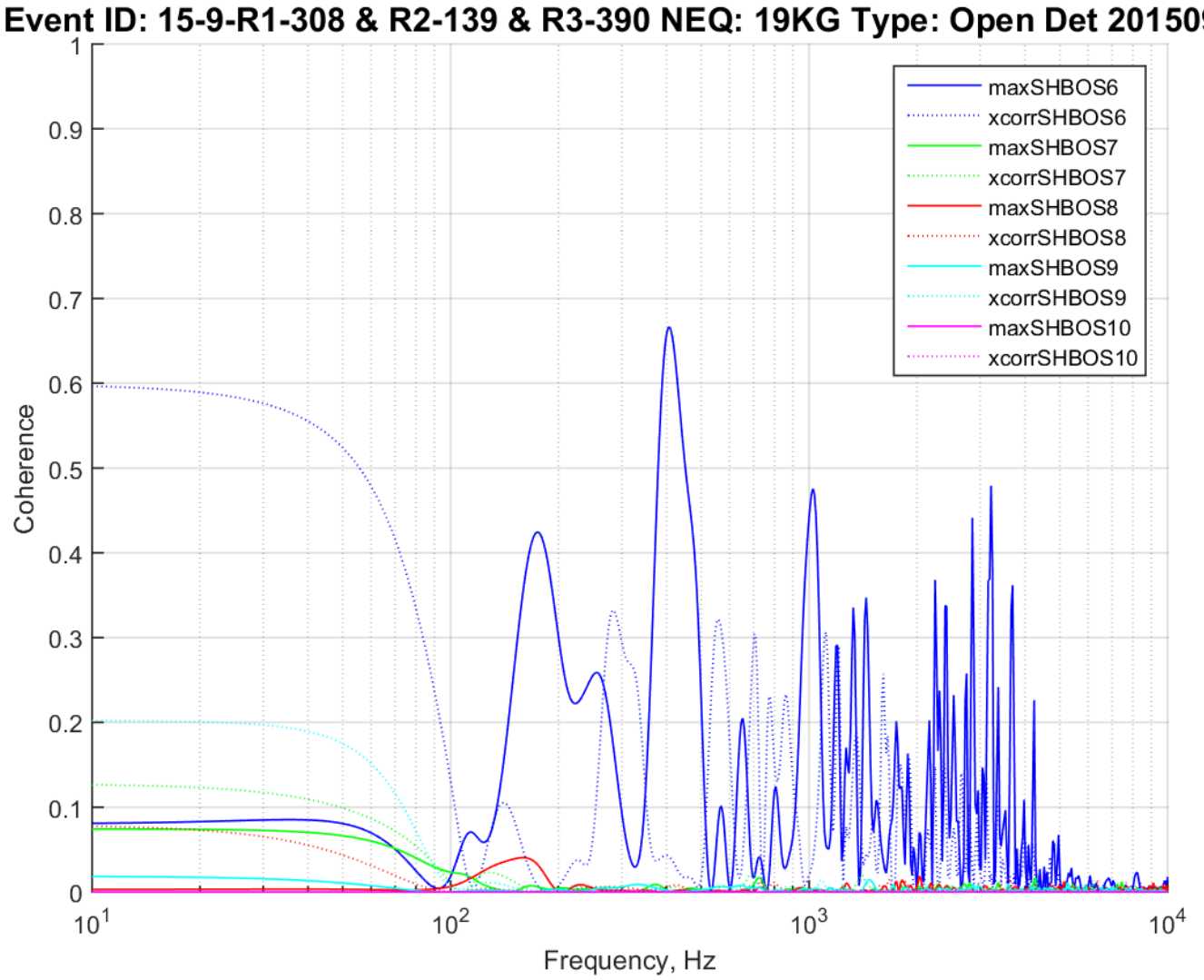


FIGURE 2.1104: COHERENCE SHB_OS 6 - 10 15-9-R1-308 & R2-139 & R3-390CTD

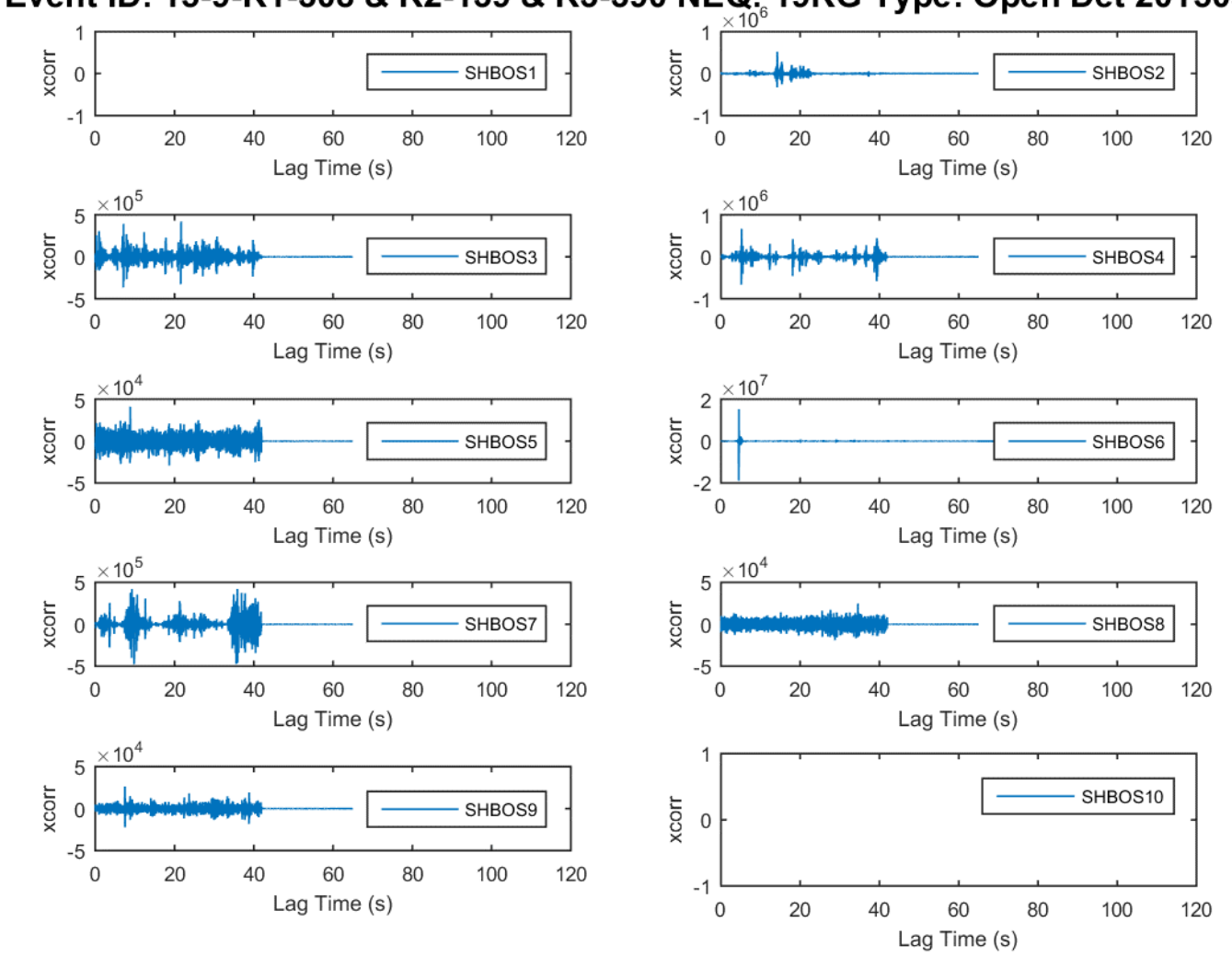


FIGURE 2.1105: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-308 & R2-139 & R3-390

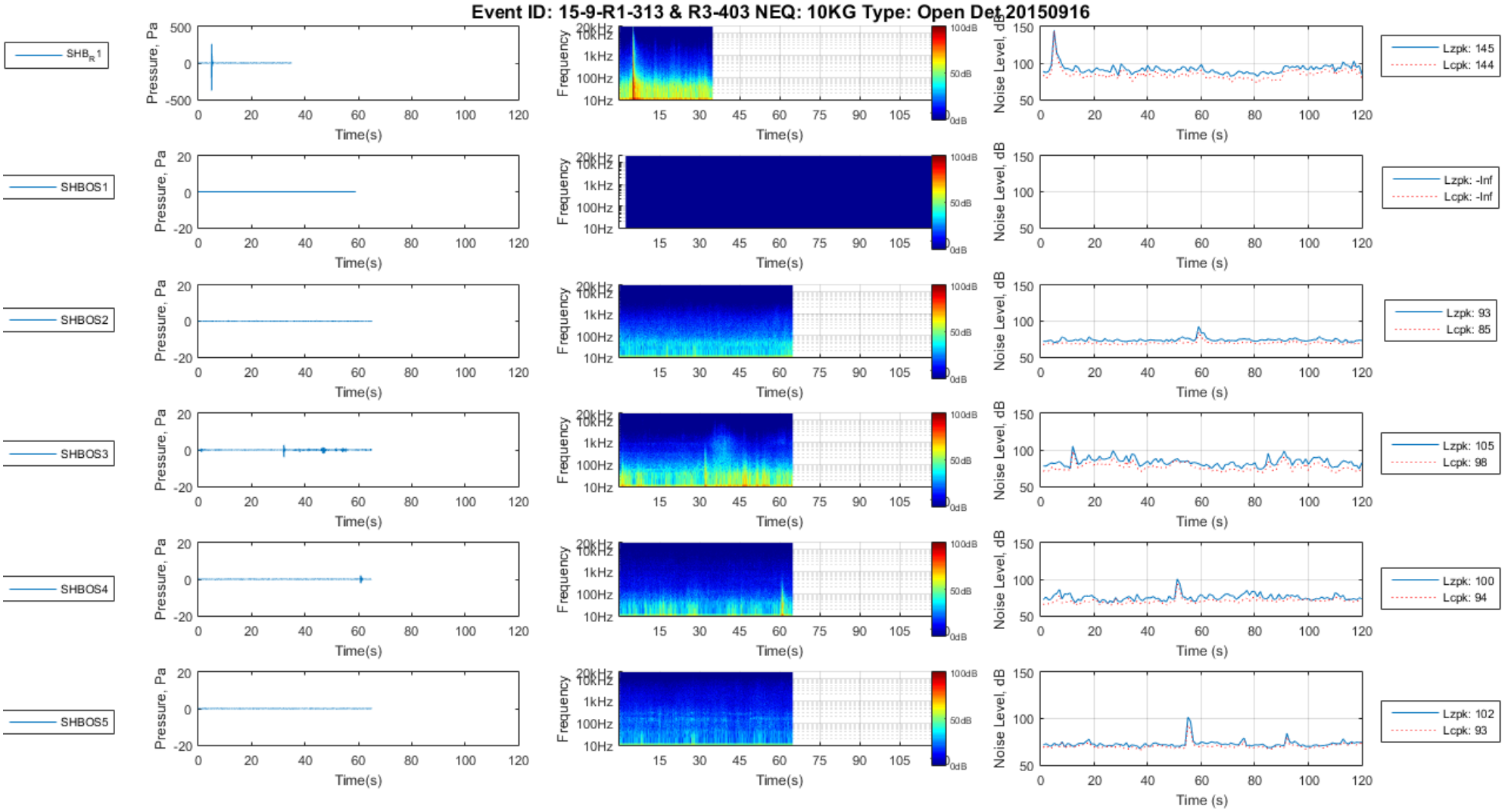


FIGURE 2.1106: SHB_OS 1 - 5 15-9-R1-313 & R3-403

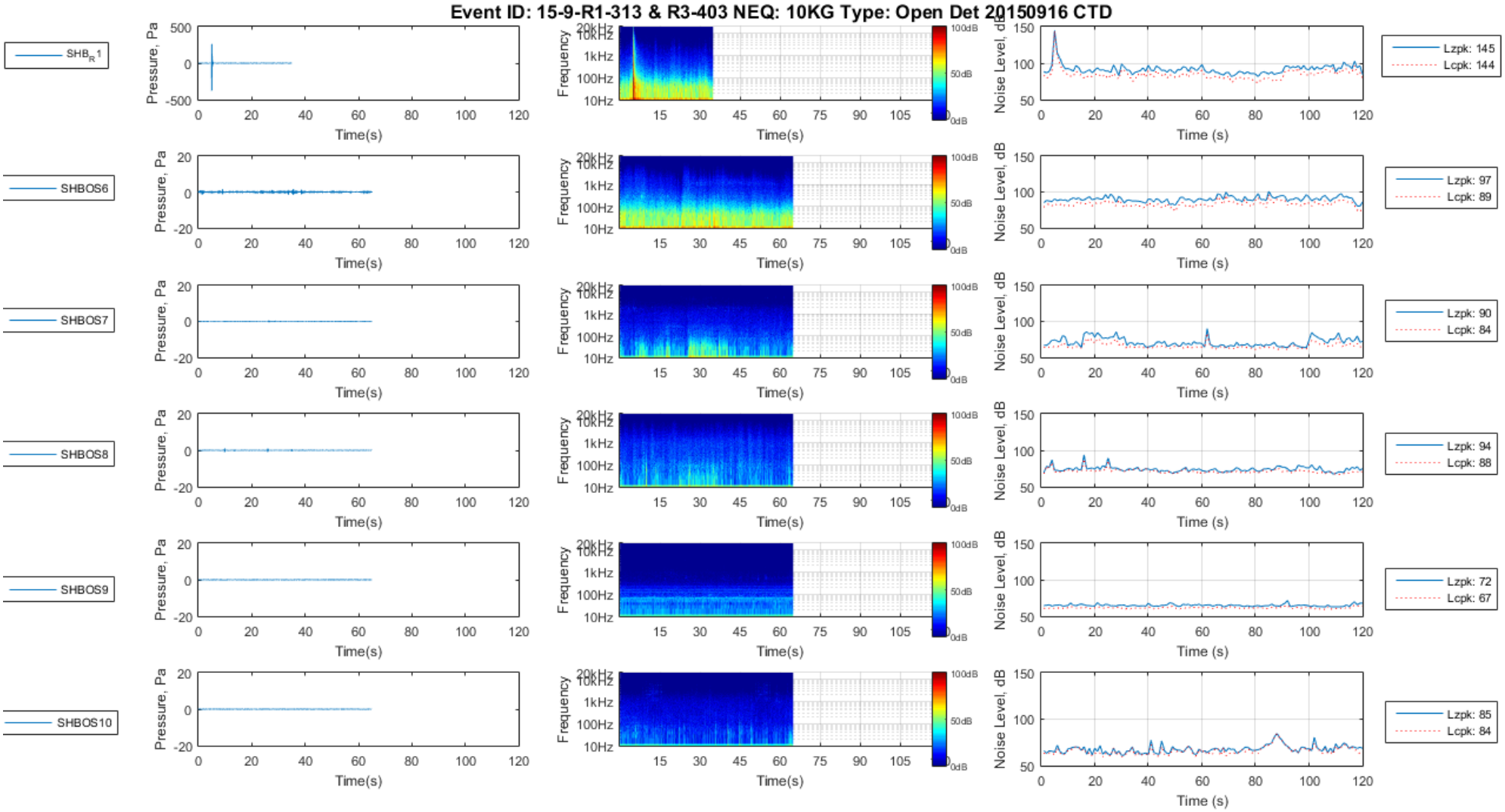


FIGURE 2.1107: SHB_OS 6 - 10 15-9-R1-313 & R3-403

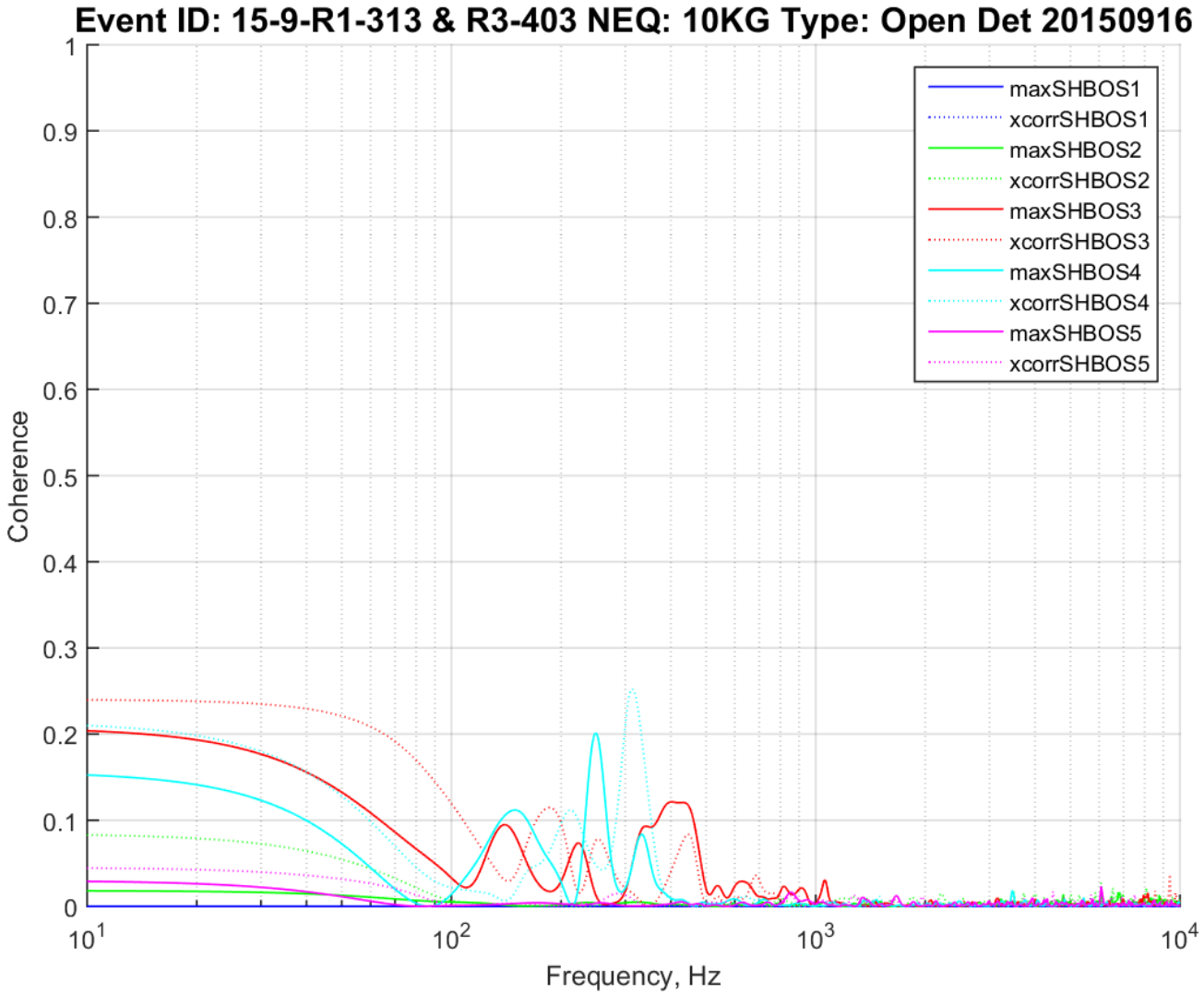


FIGURE 2.1108: COHERENCE SHB_OS 1 - 5 15-9-R1-313 & R3-403

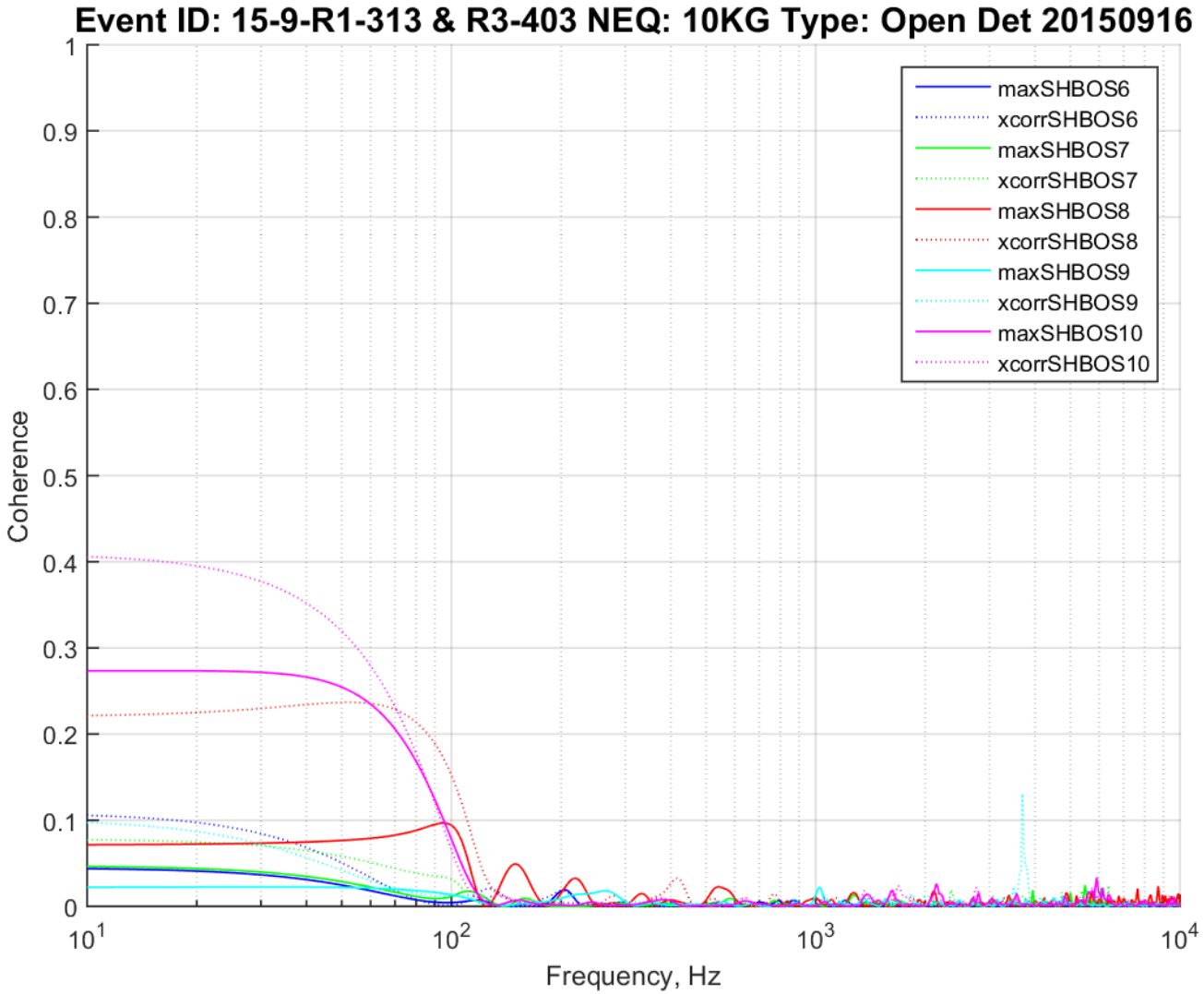


FIGURE 2.1109: COHERENCE SHB_OS 6 - 10 15-9-R1-313 & R3-403CTD

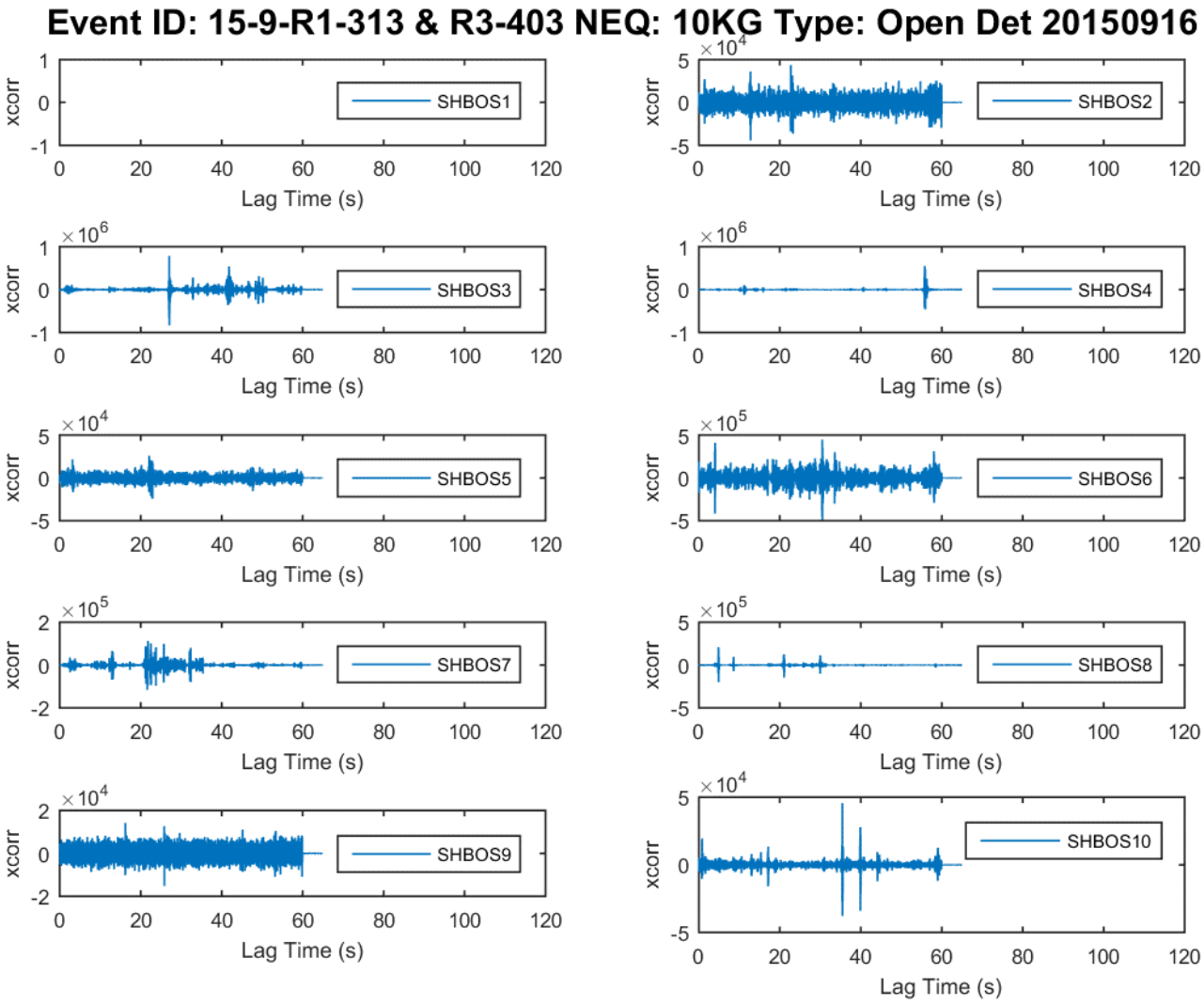


FIGURE 2.1110: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-313 & R3-403

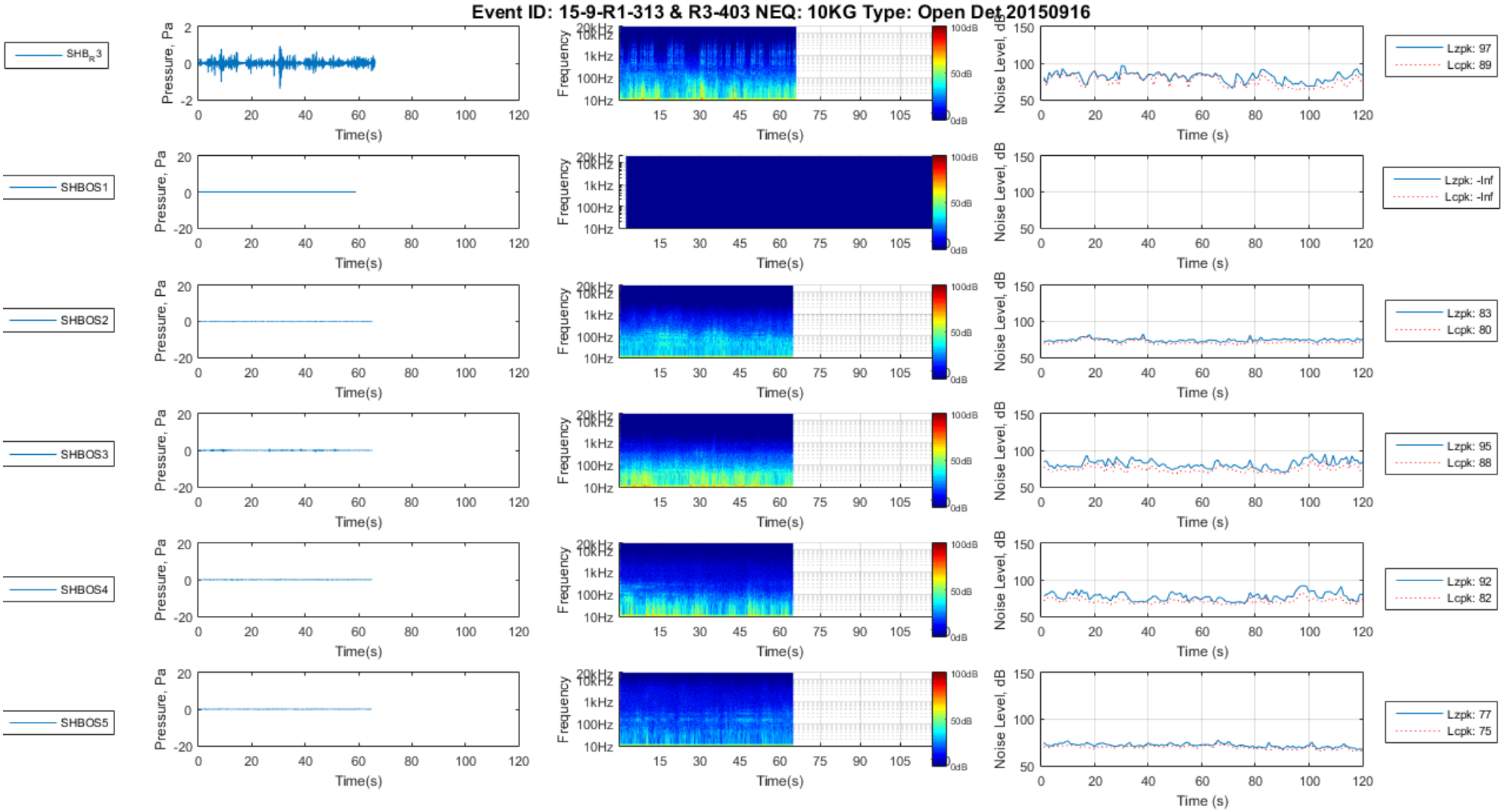


FIGURE 2.1111: SHB_OS 1 - 5 15-9-R1-313 & R3-403

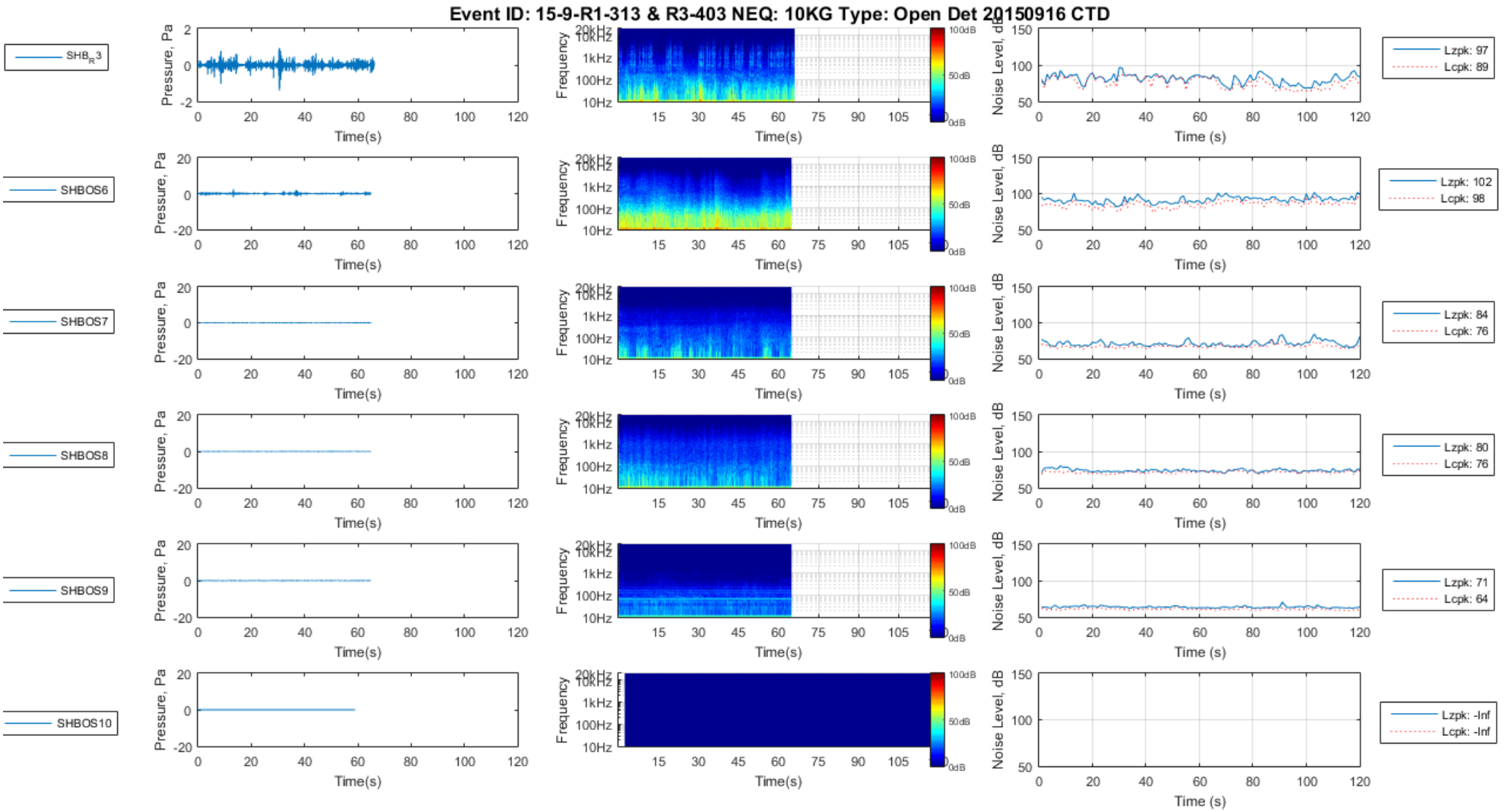


FIGURE 2.1112: SHB_OS 6 - 10 15-9-R1-313 & R3-403

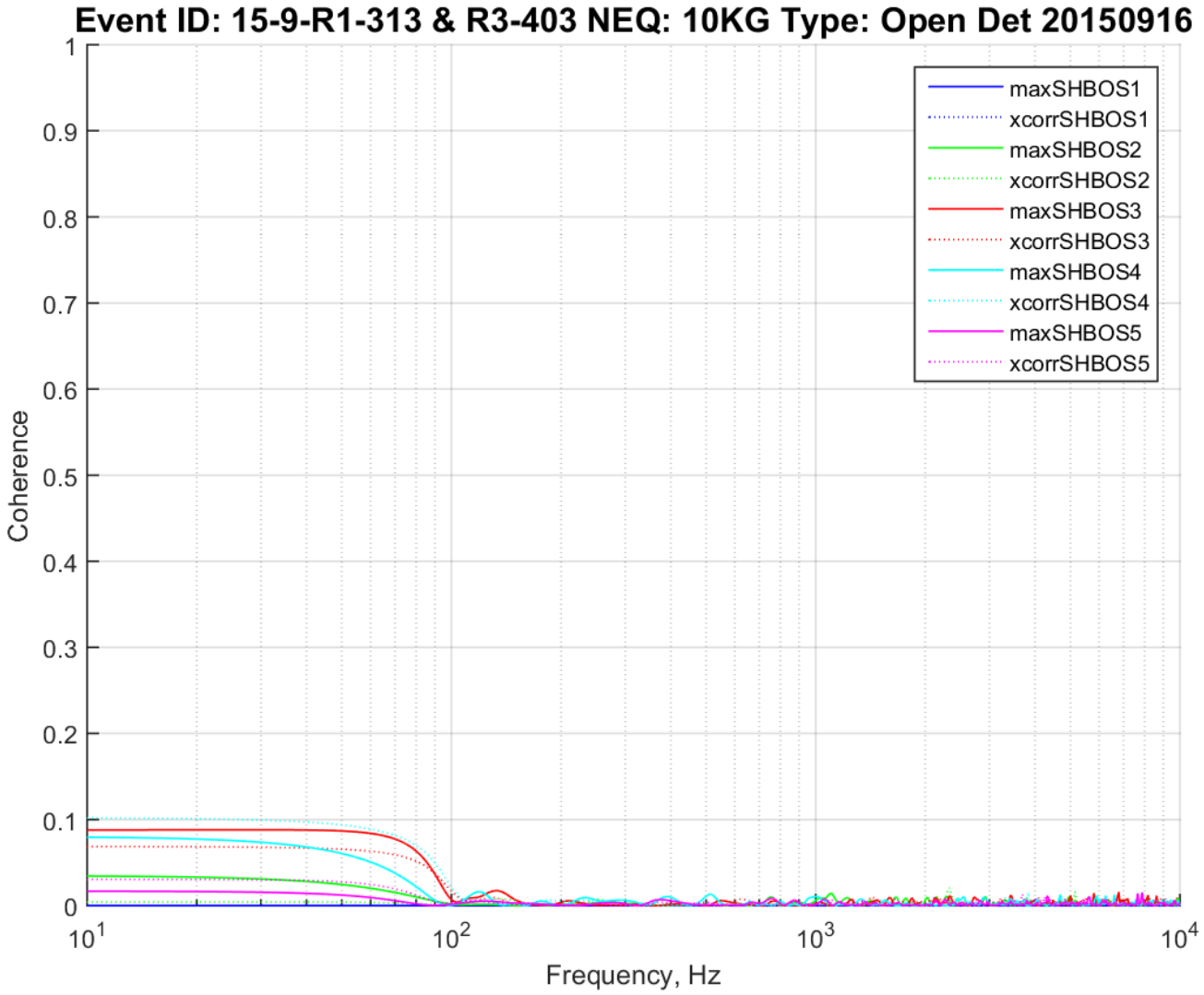


FIGURE 2.1113: COHERENCE SHB_OS 1 - 5 15-9-R1-313 & R3-403

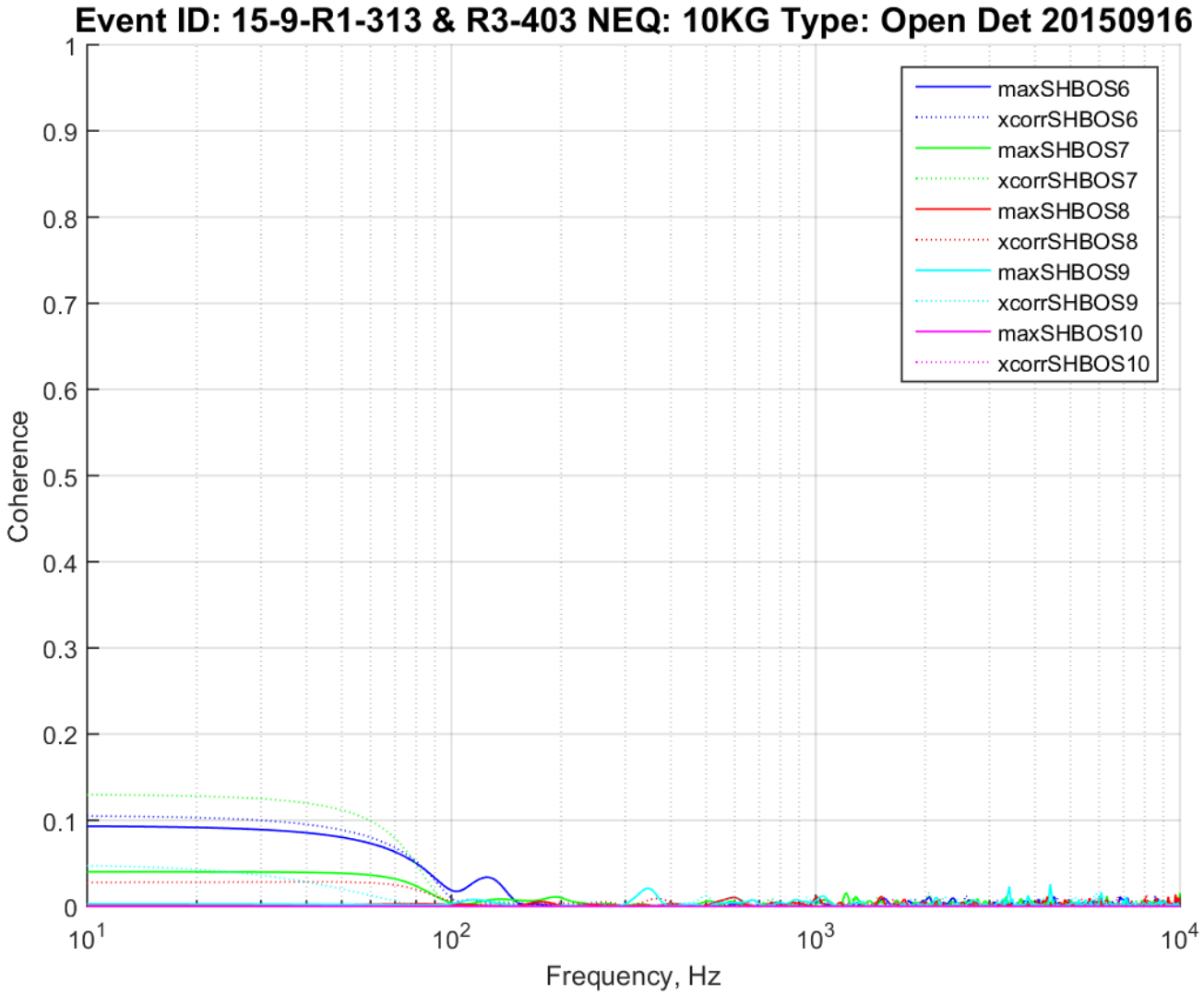


FIGURE 2.1114: COHERENCE SHB_OS 6 - 10 15-9-R1-313 & R3-403CTD

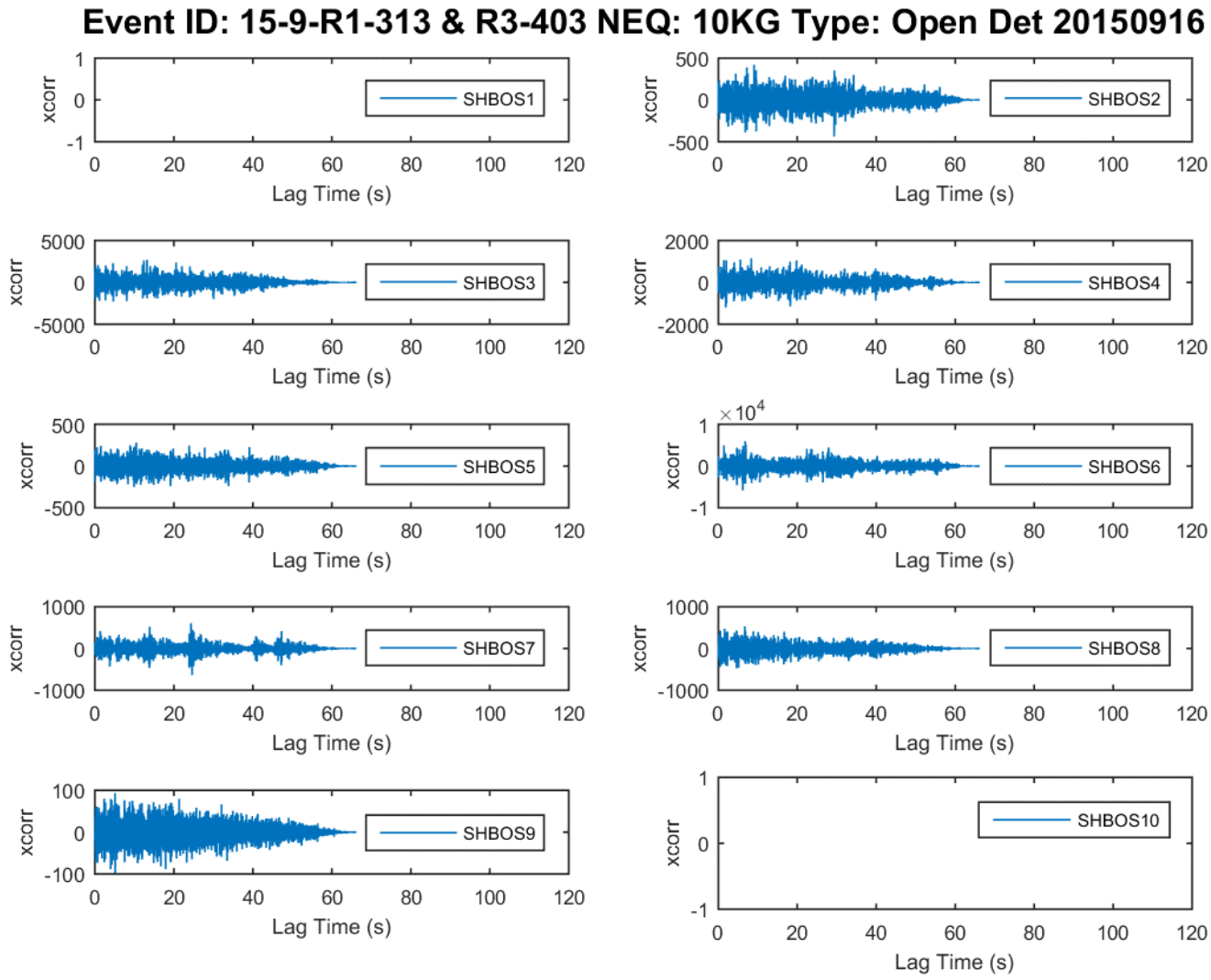


FIGURE 2.1115: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-313 & R3-403

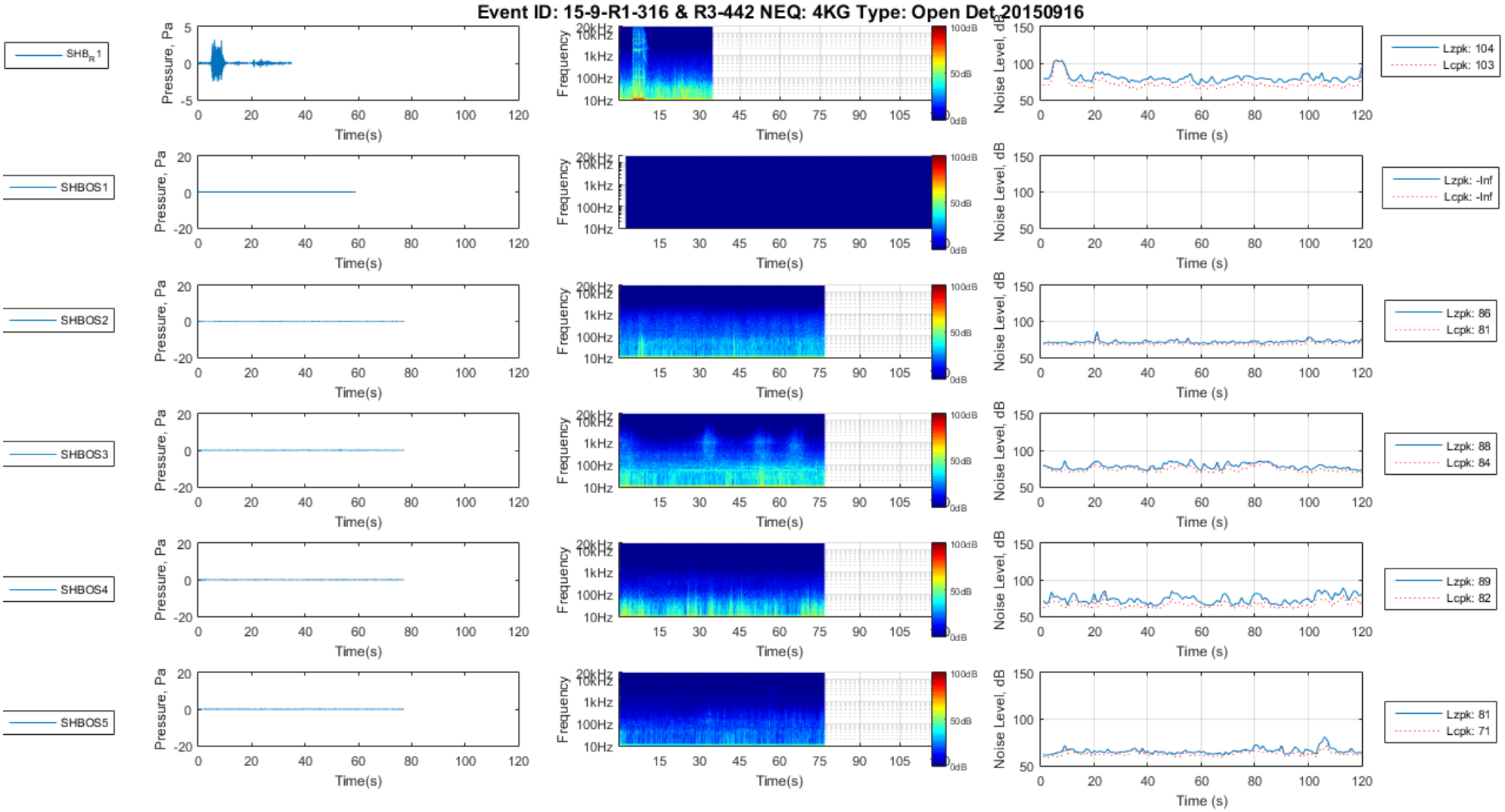


FIGURE 2.1116: SHB_OS 1 - 5 15-9-R1-316 & R3-442

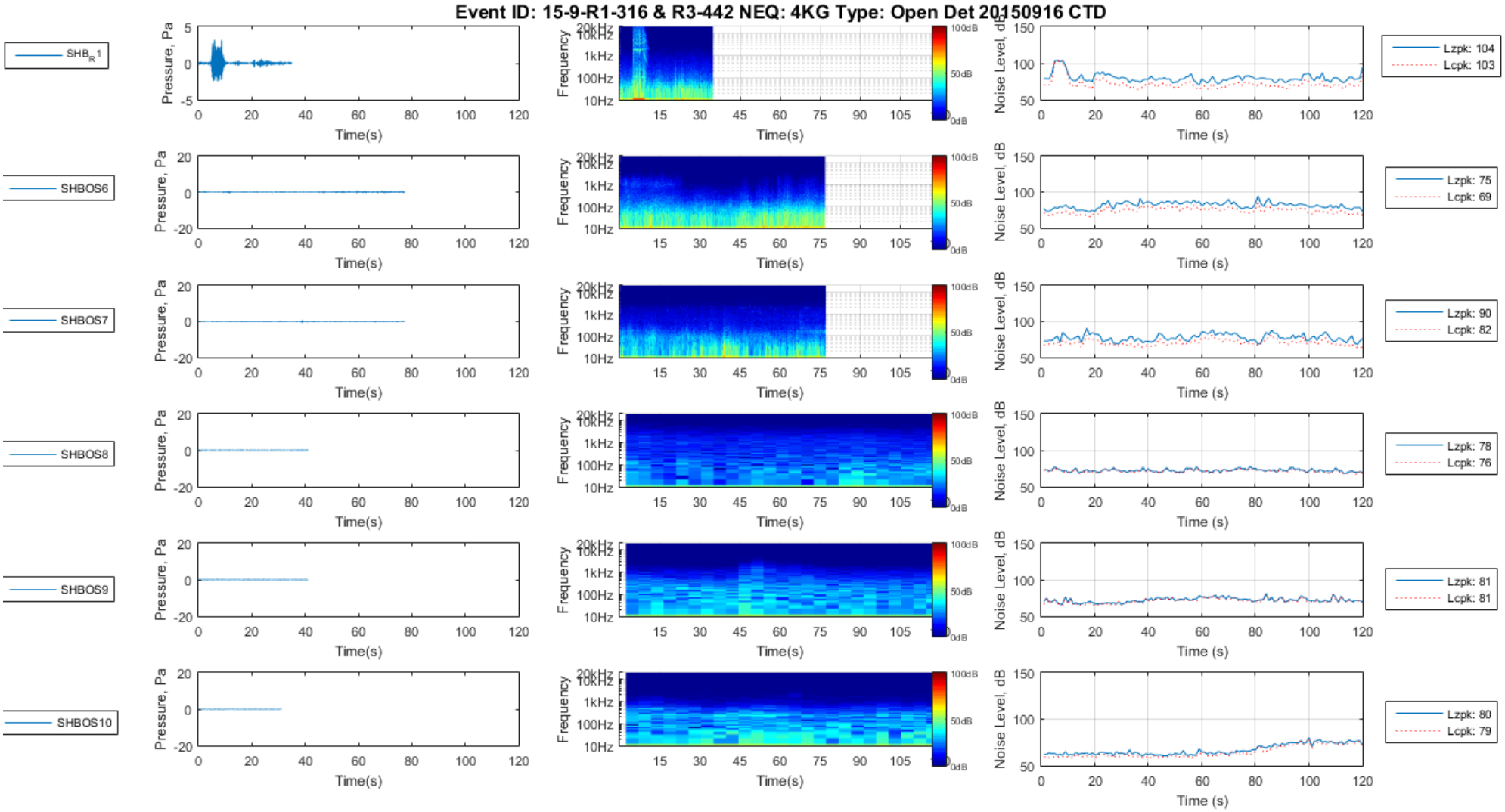


FIGURE 2.1117: SHB_OS 6 - 10 15-9-R1-316 & R3-442

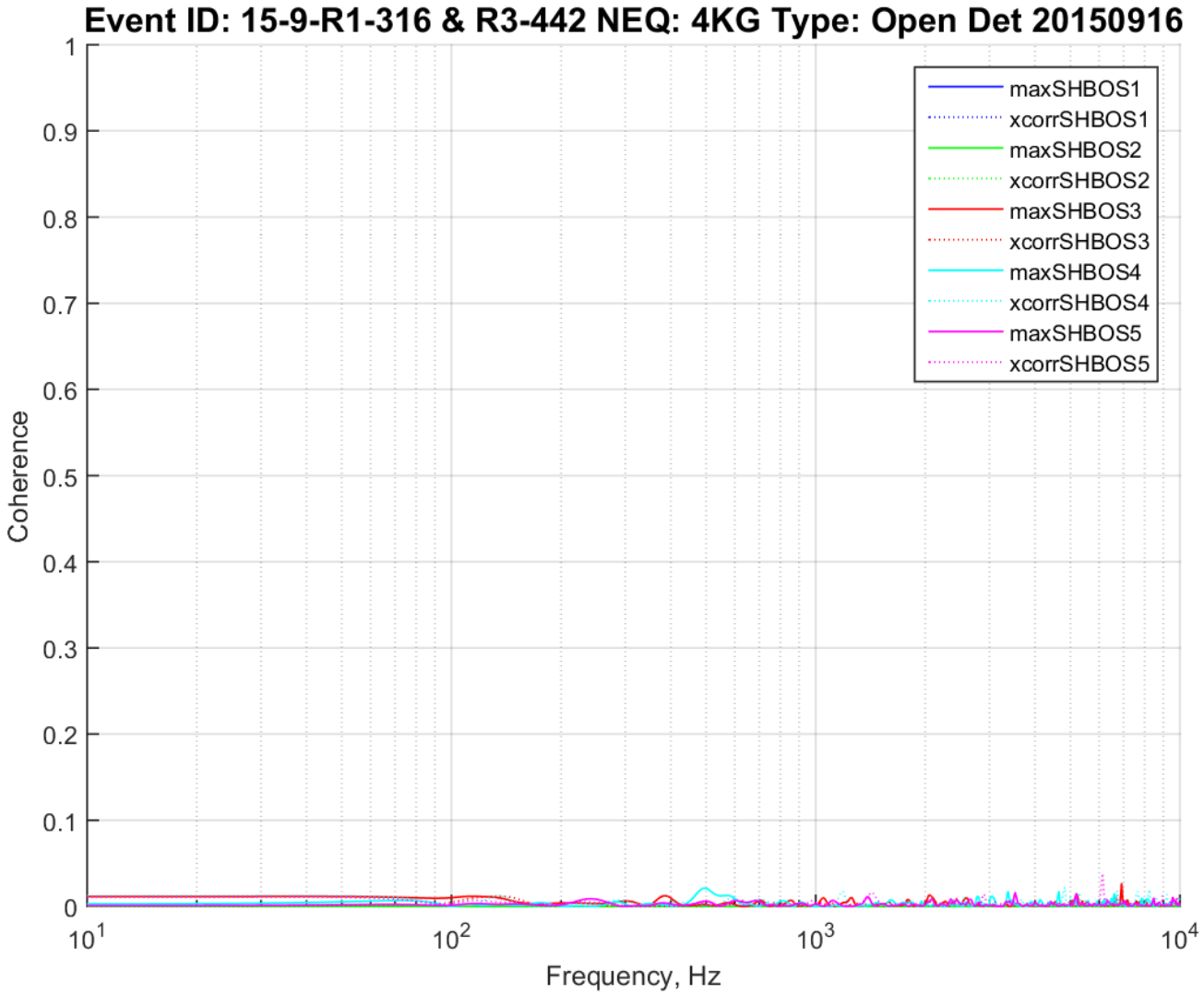


FIGURE 2.1118: COHERENCE SHB_OS 1 - 5 15-9-R1-316 & R3-442

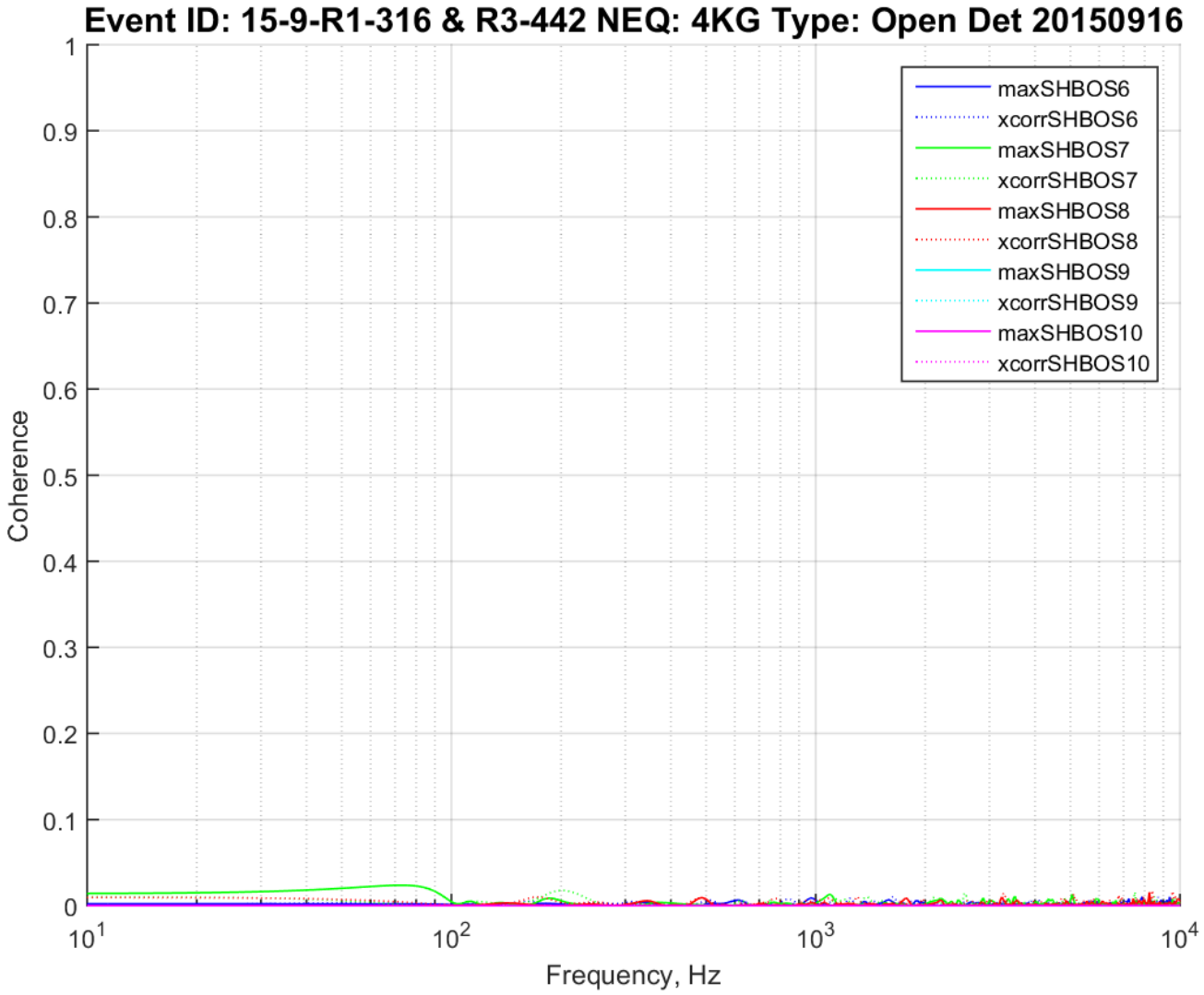


FIGURE 2.1119: COHERENCE SHB_OS 6 - 10 15-9-R1-316 & R3-442CTD

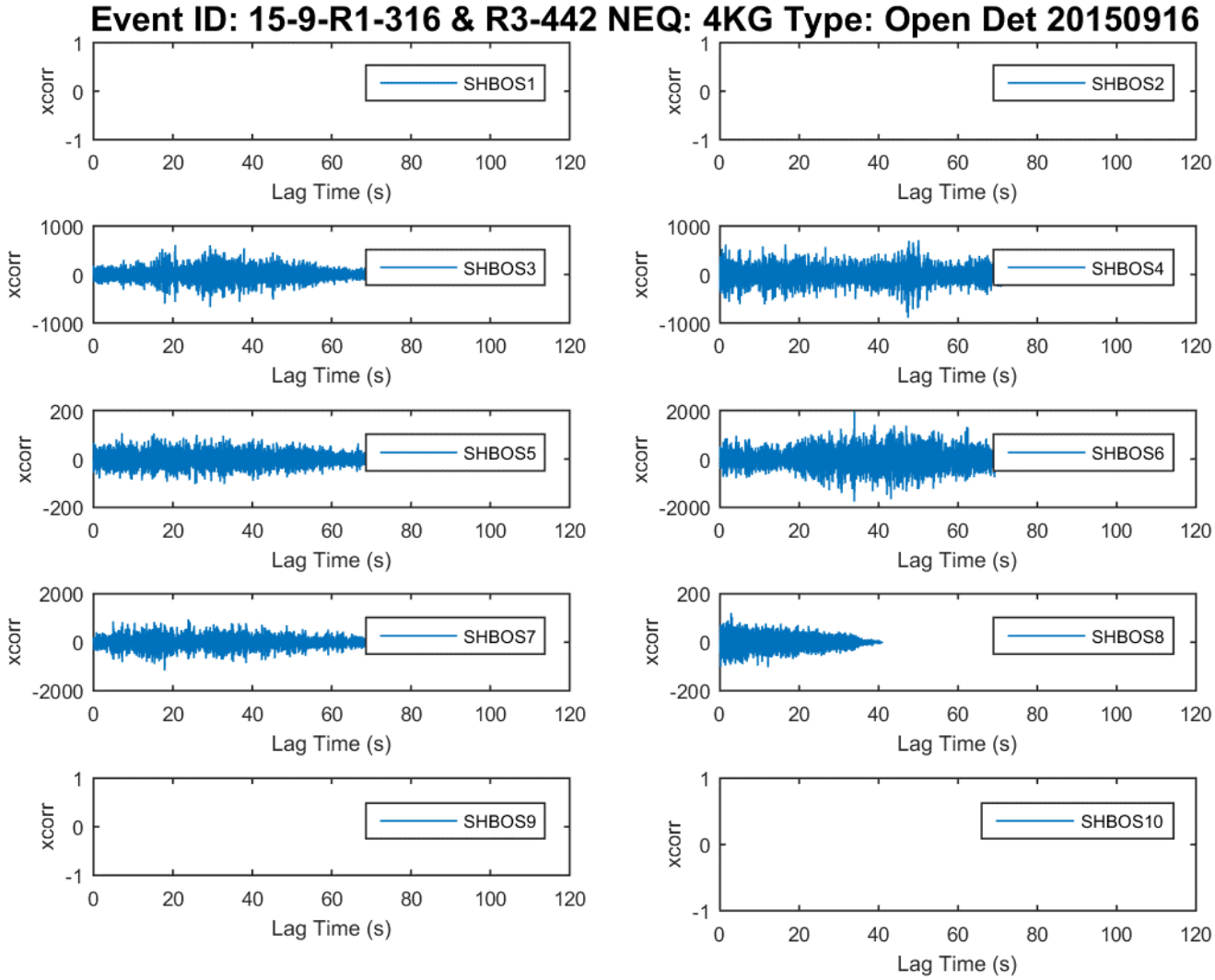


FIGURE 2.1120: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-316 & R3-442

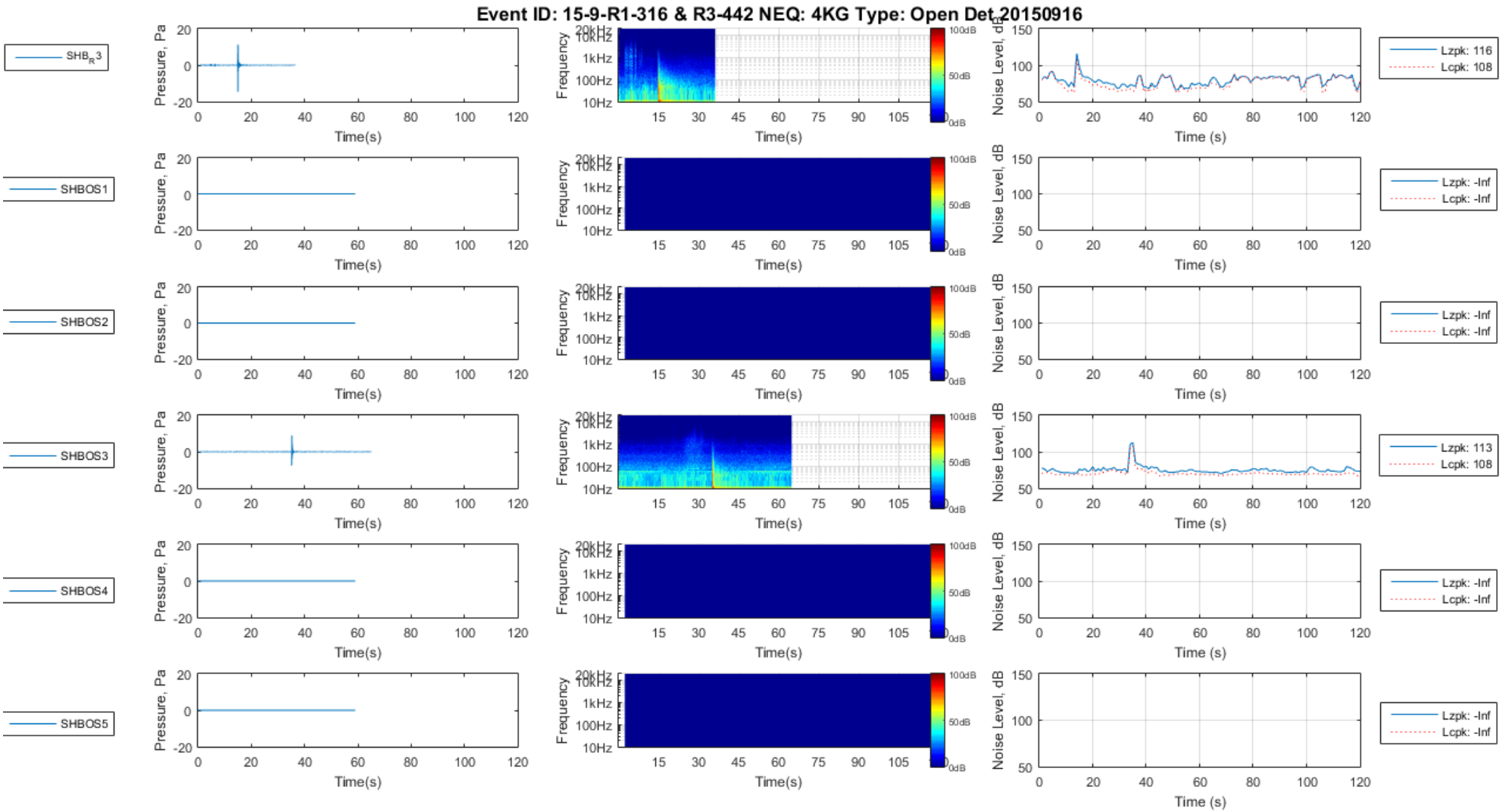


FIGURE 2.1121: SHB_OS 1 - 5 15-9-R1-316 & R3-442

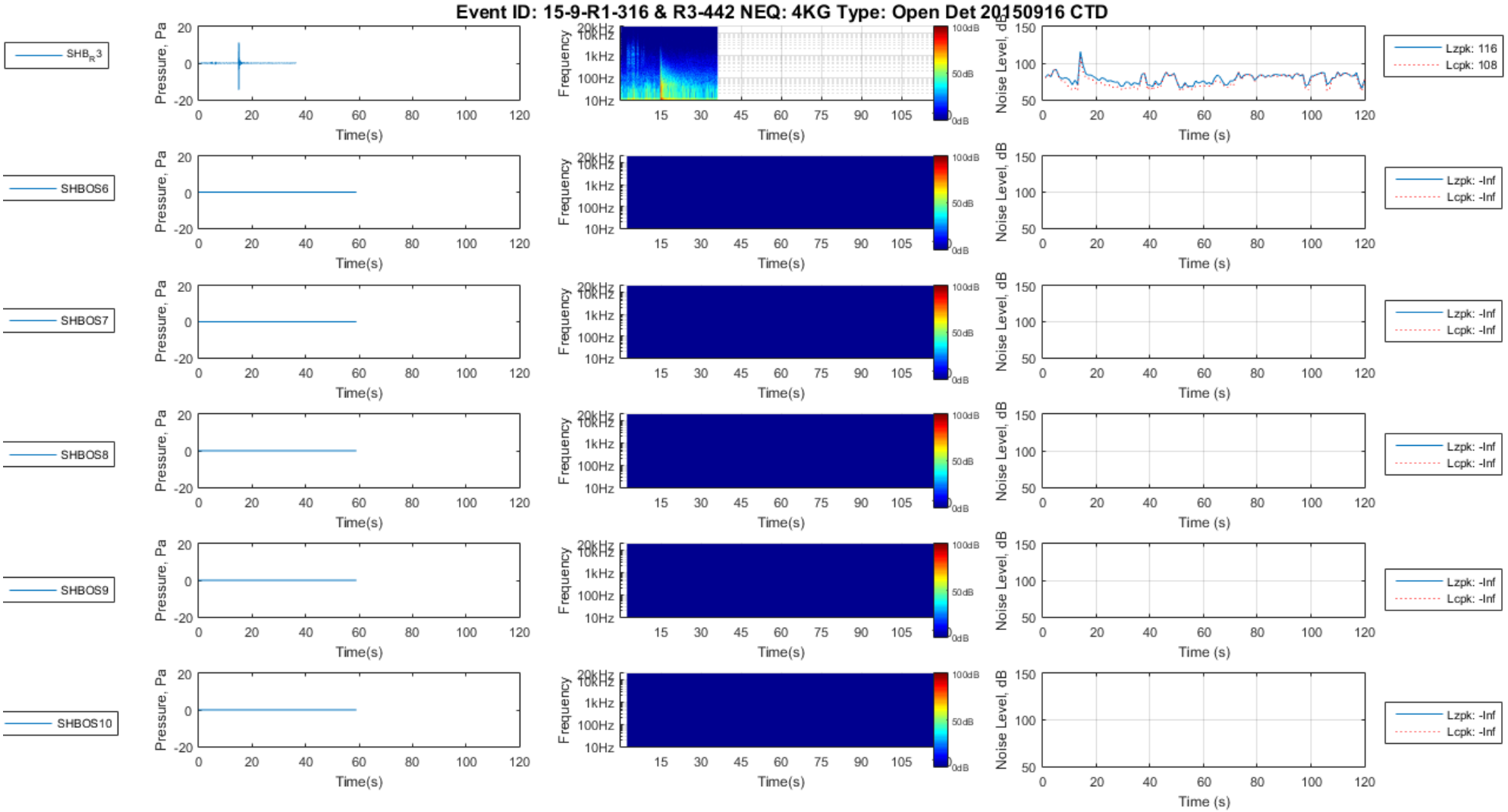


FIGURE 2.1122: SHB_OS 6 - 10 15-9-R1-316 & R3-442

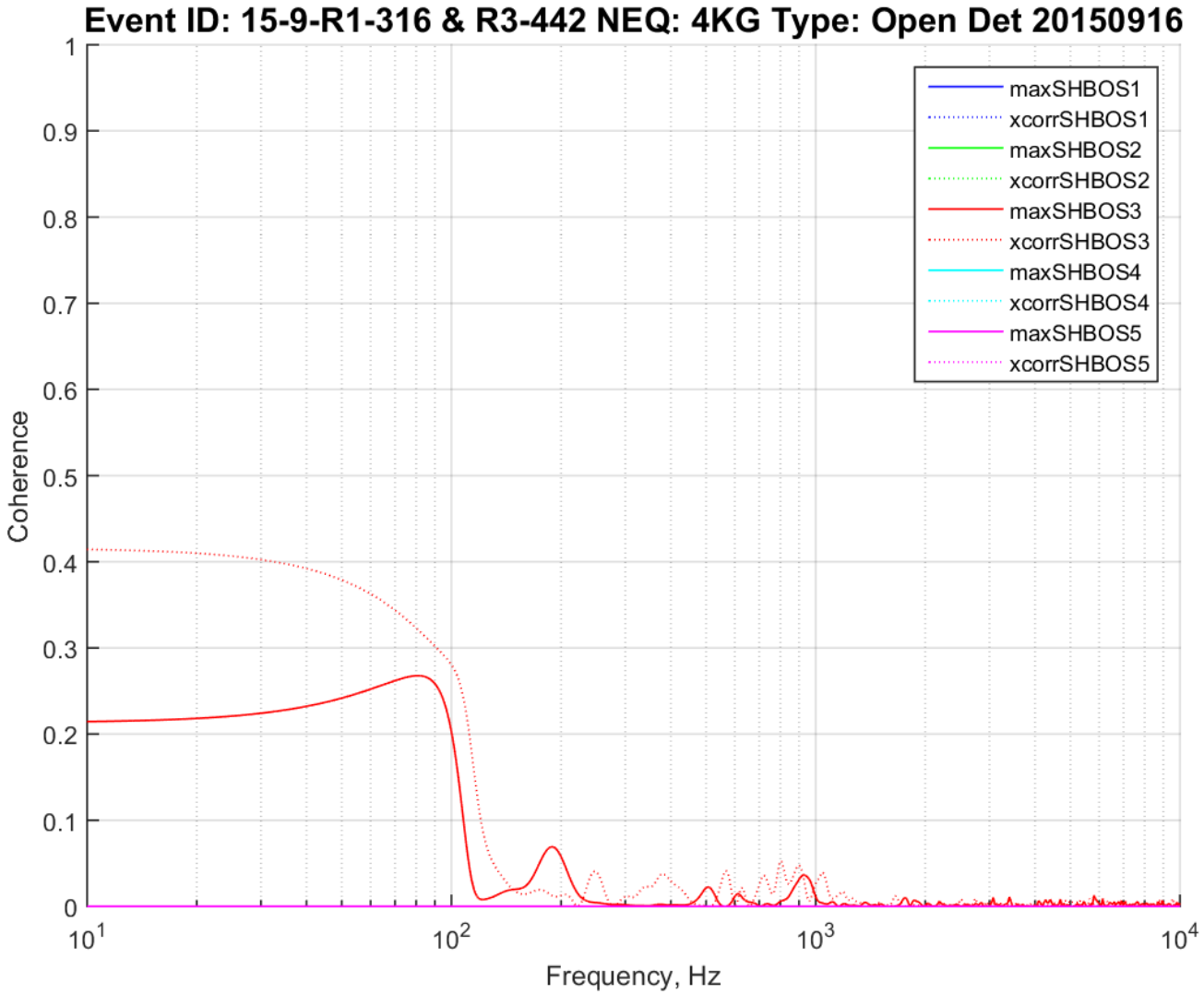


FIGURE 2.1123: COHERENCE SHB_OS 1 - 5 15-9-R1-316 & R3-442

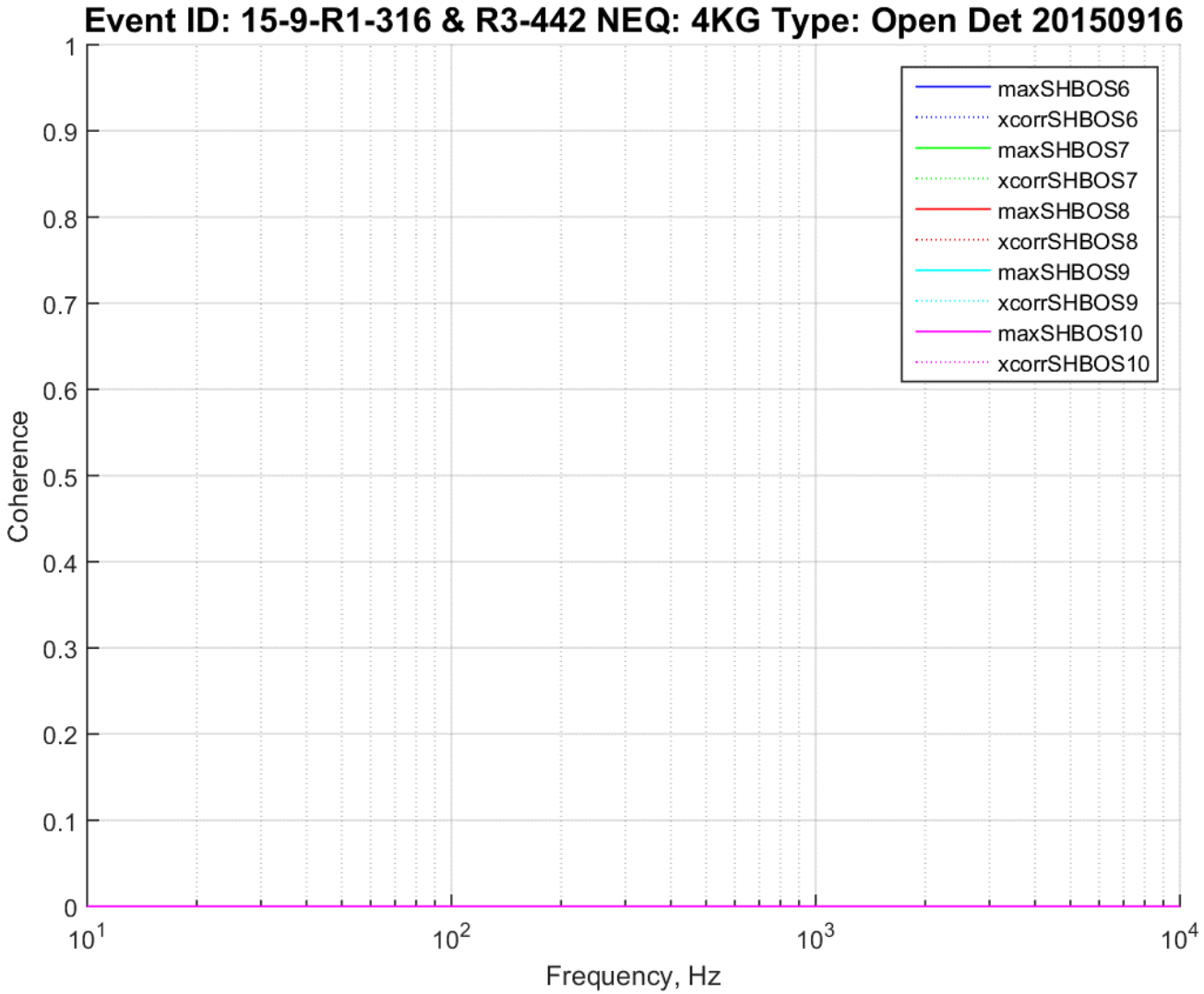


FIGURE 2.1124: COHERENCE SHB_OS 6 - 10 15-9-R1-316 & R3-442CTD

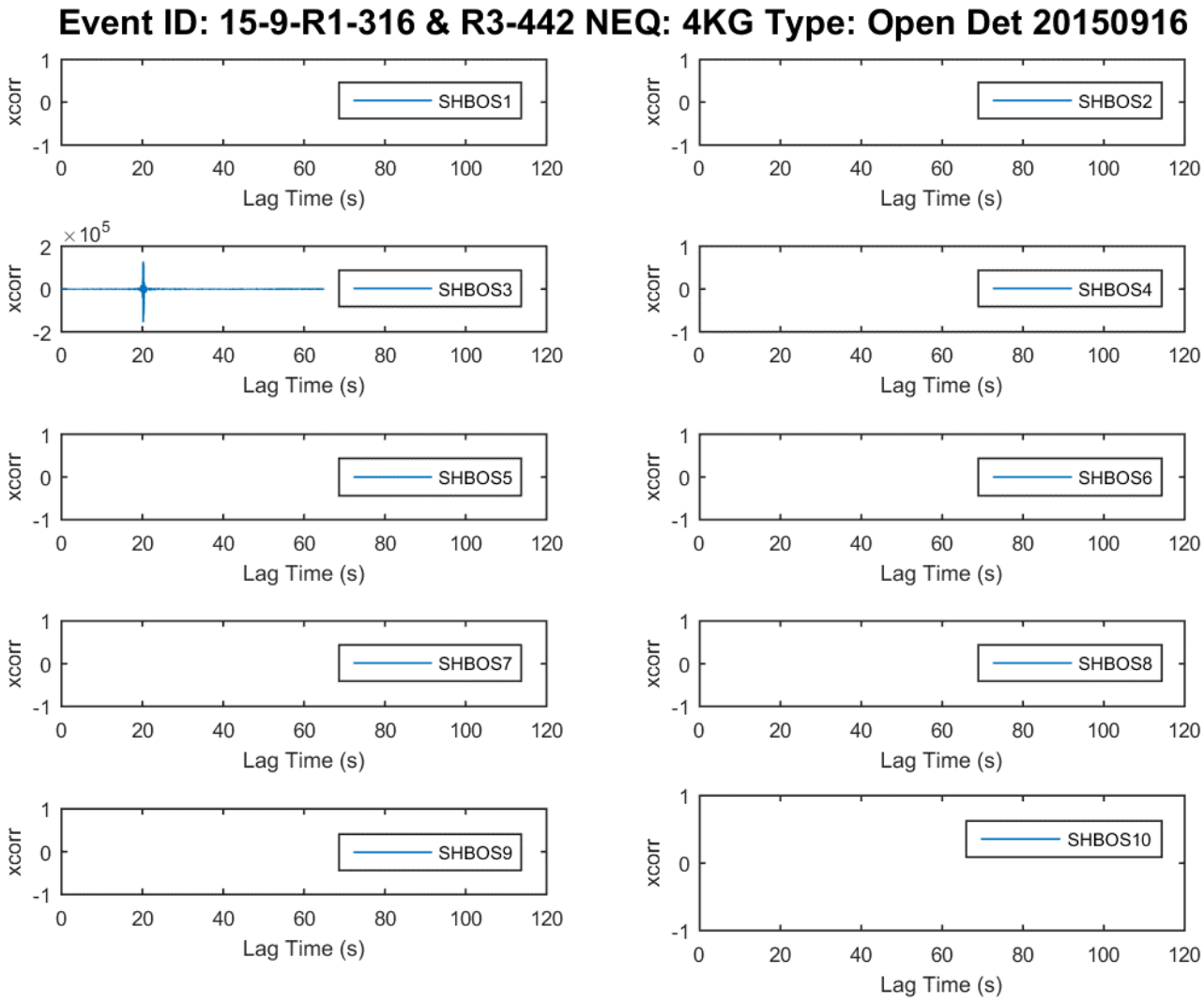


FIGURE 2.1125: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-316 & R3-442

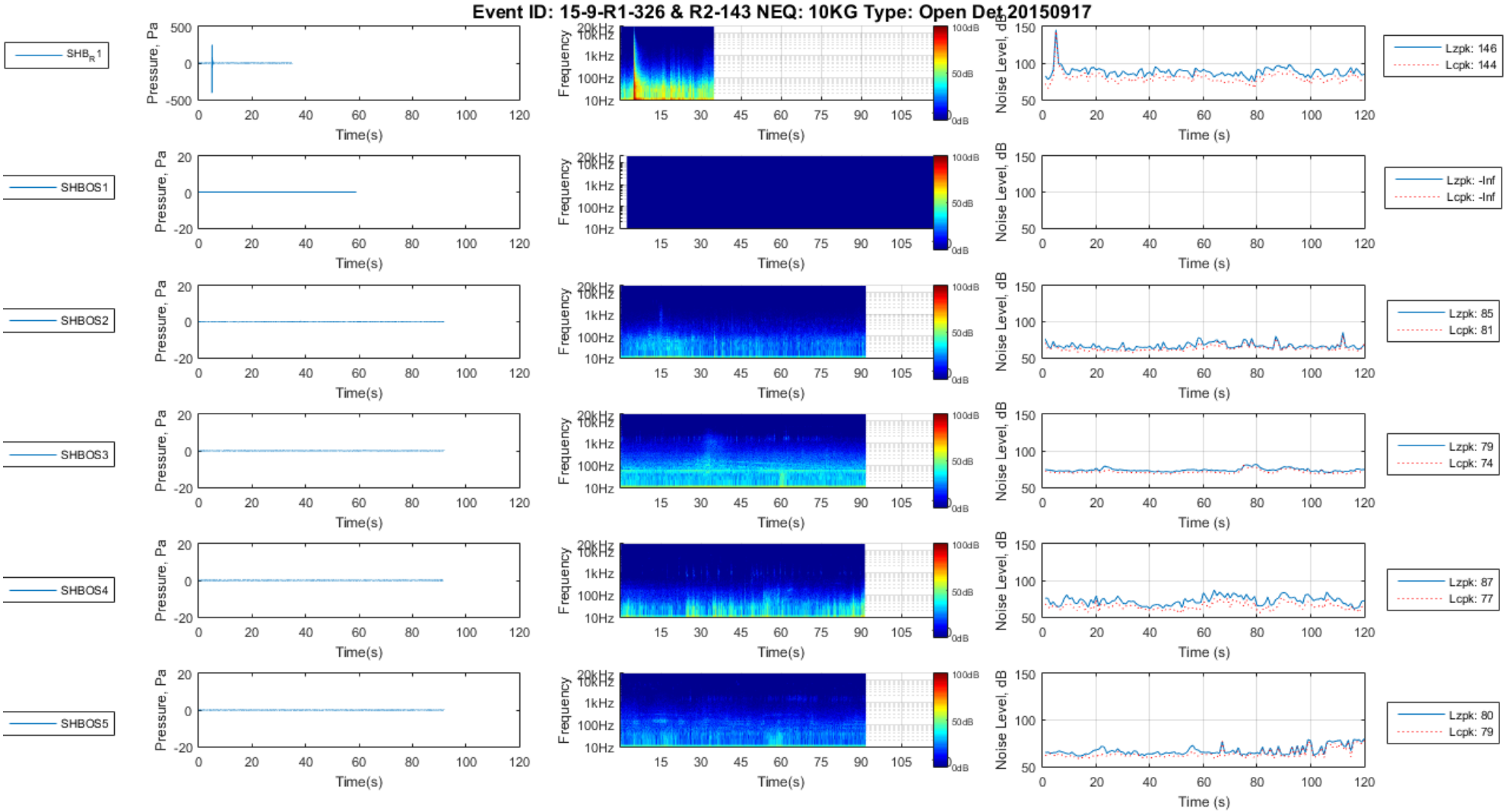


FIGURE 2.1126: SHB_OS 1 - 5 15-9-R1-326 & R2-143

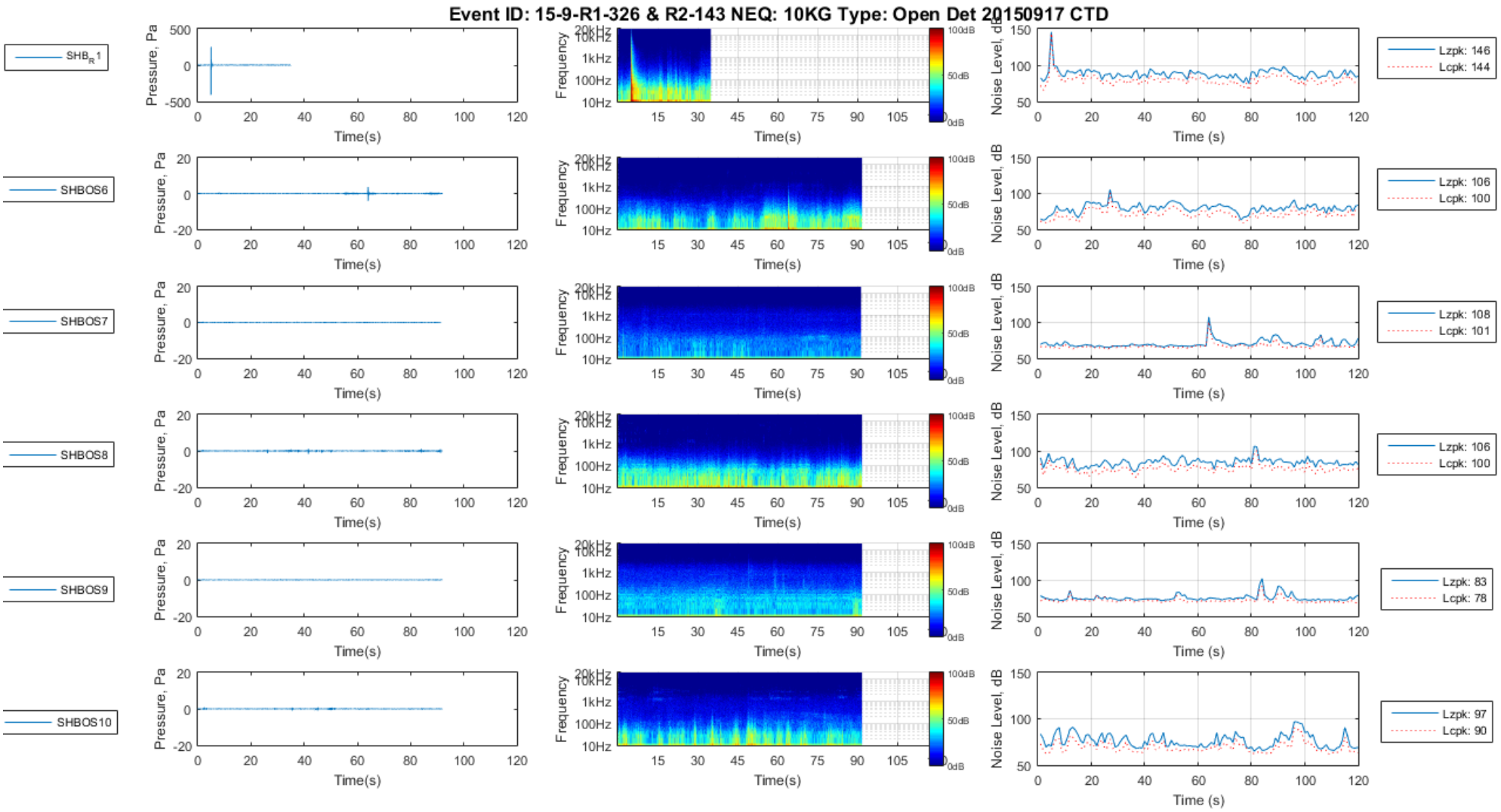


FIGURE 2.1127: SHB_OS 6 - 10 15-9-R1-326 & R2-143

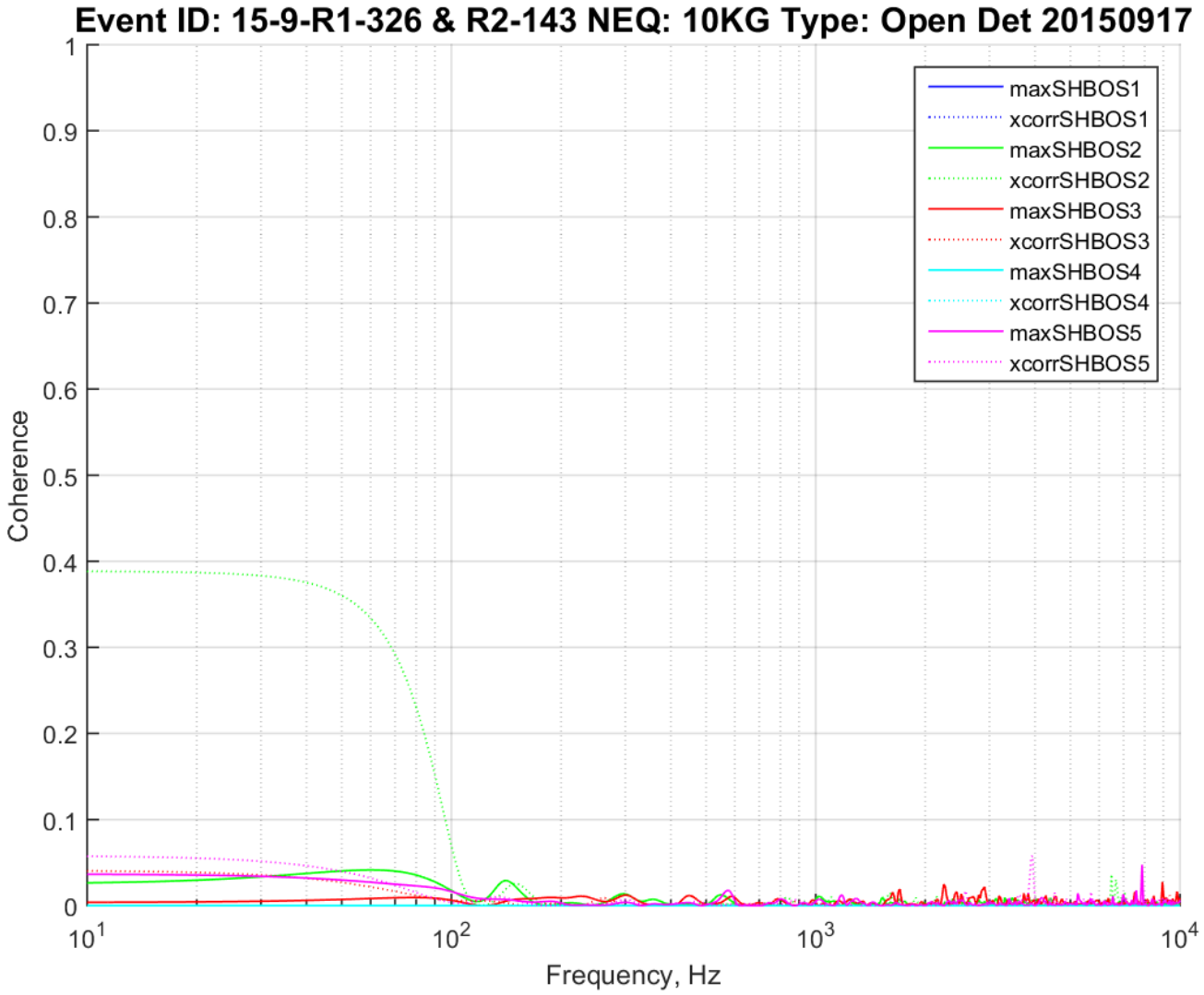


FIGURE 2.1128: COHERENCE SHB_OS 1 - 5 15-9-R1-326 & R2-143

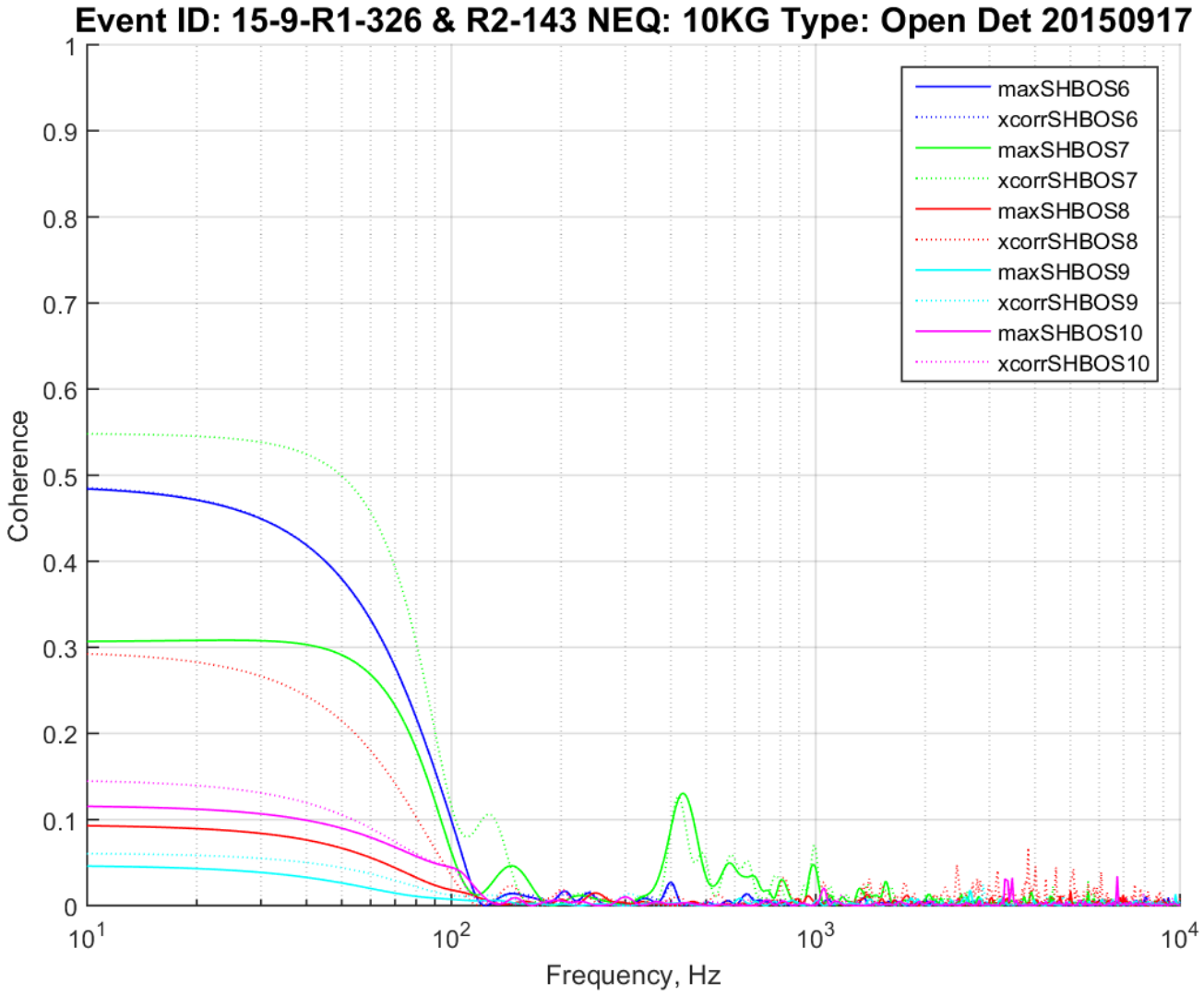


FIGURE 2.1129: COHERENCE SHB_OS 6 - 10 15-9-R1-326 & R2-143CTD

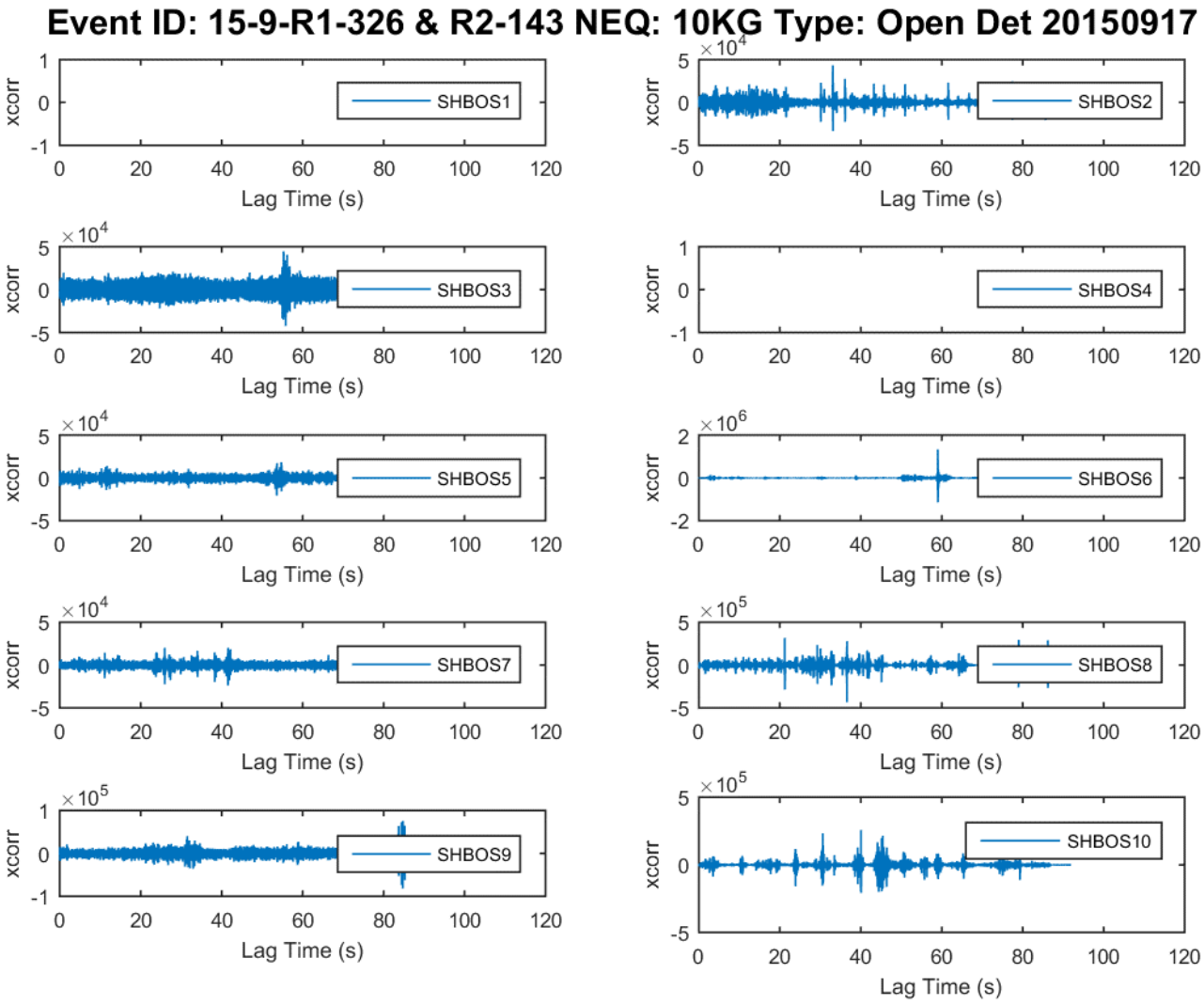


FIGURE 2.1130: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-326 & R2-143

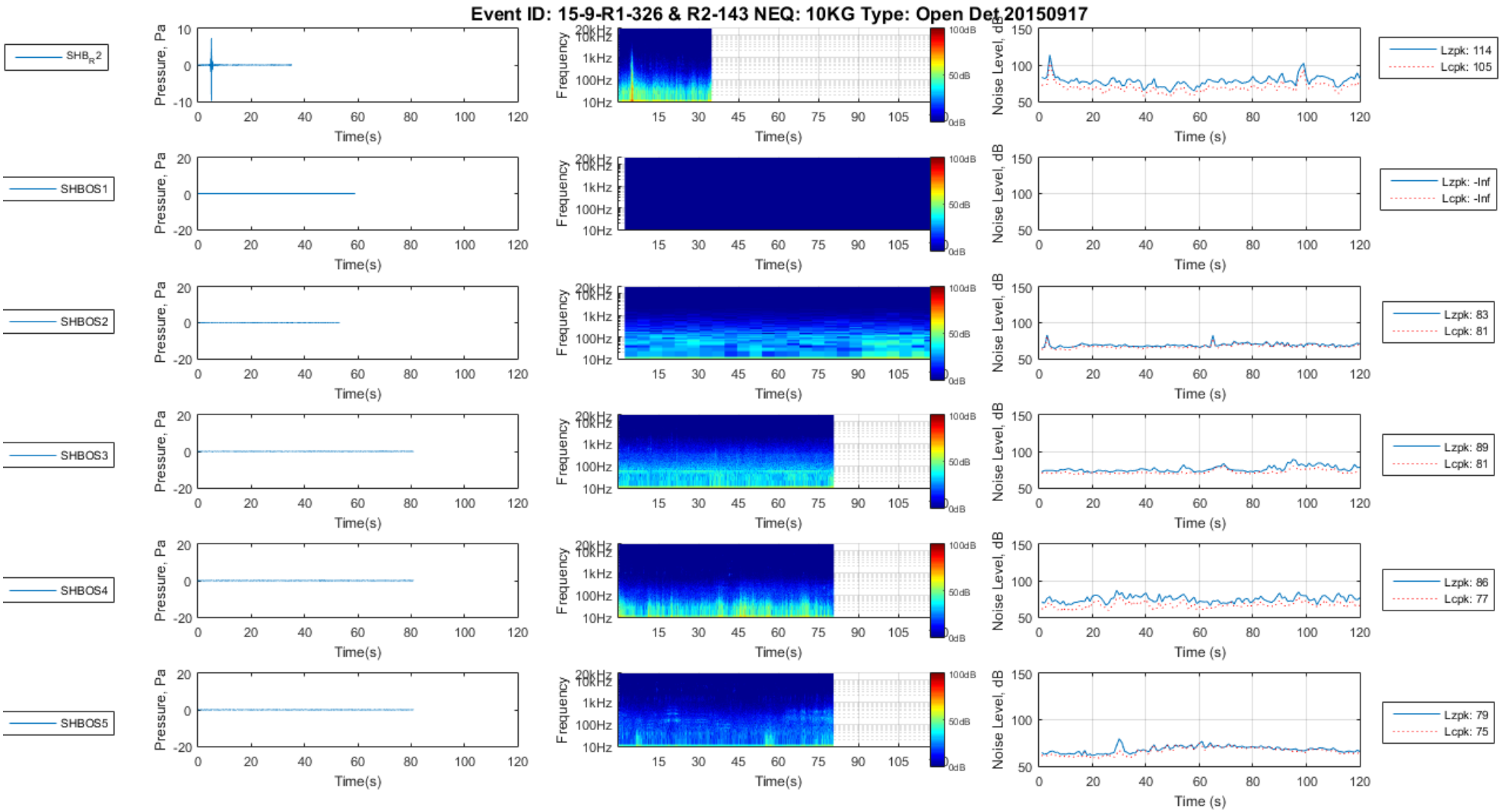


FIGURE 2.1131: SHB_OS 1 - 5 15-9-R1-326 & R2-143

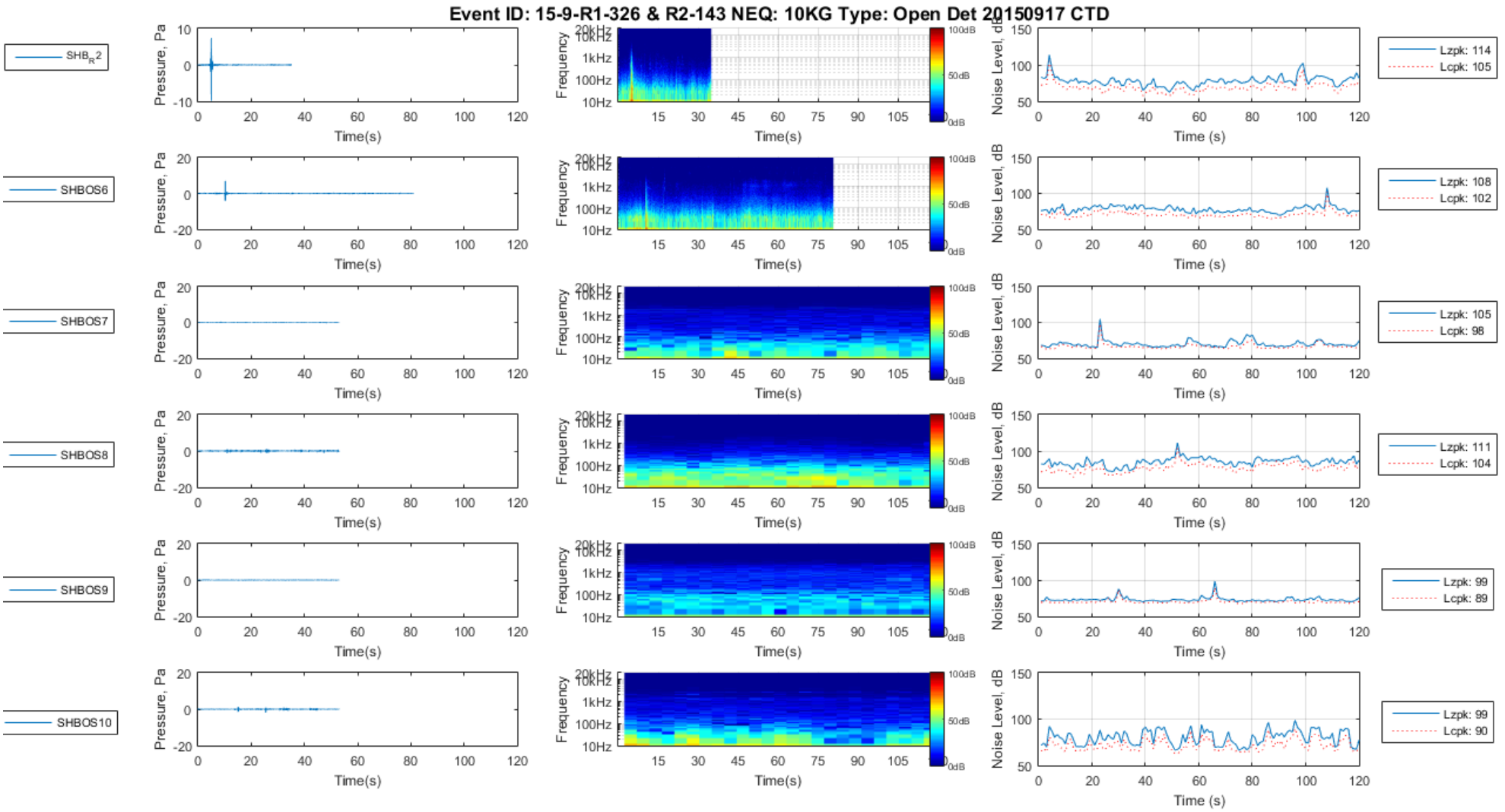


FIGURE 2.1132: SHB_OS 6 - 10 15-9-R1-326 & R2-143

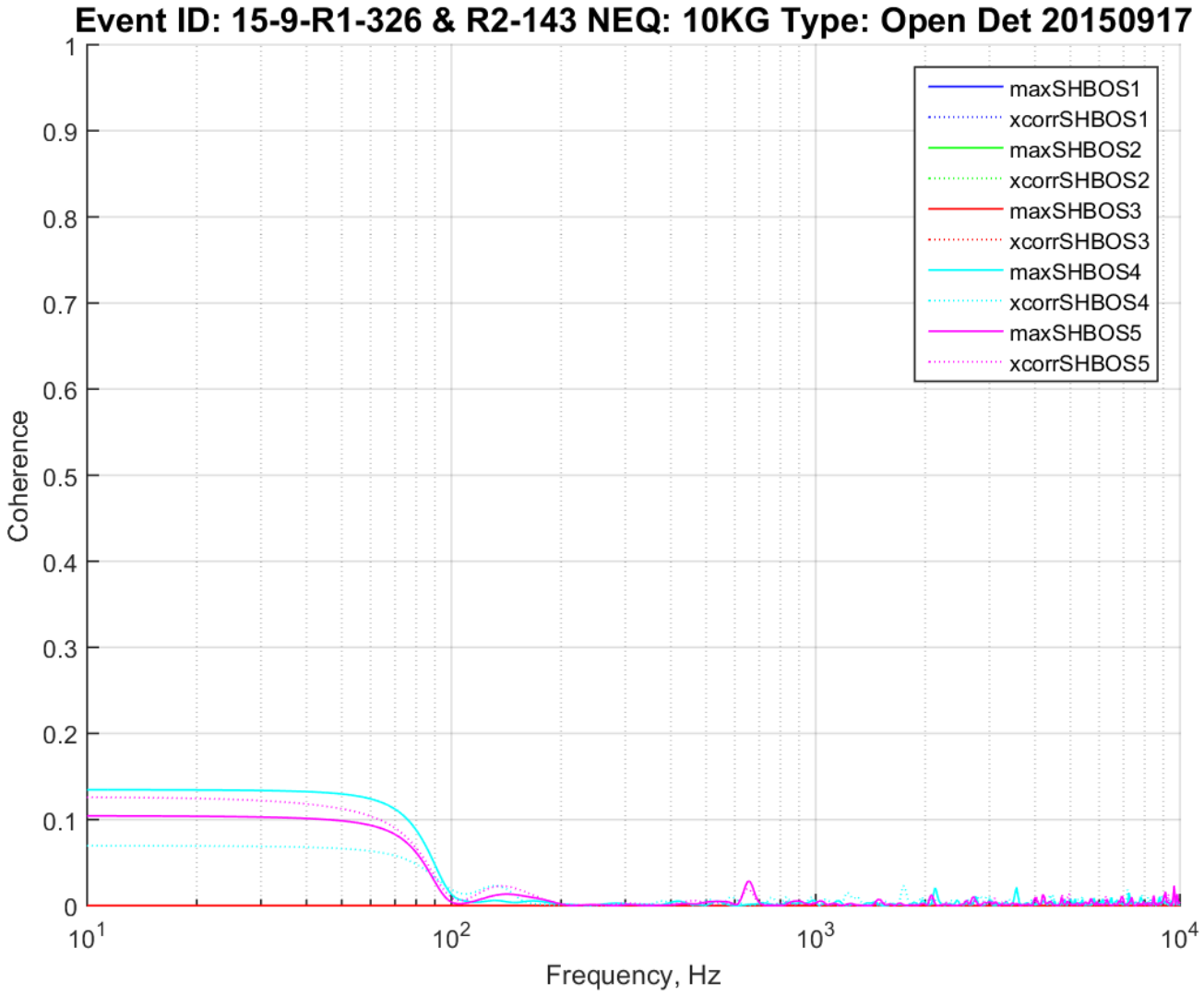


FIGURE 2.1133: COHERENCE SHB_OS 1 - 5 15-9-R1-326 & R2-143

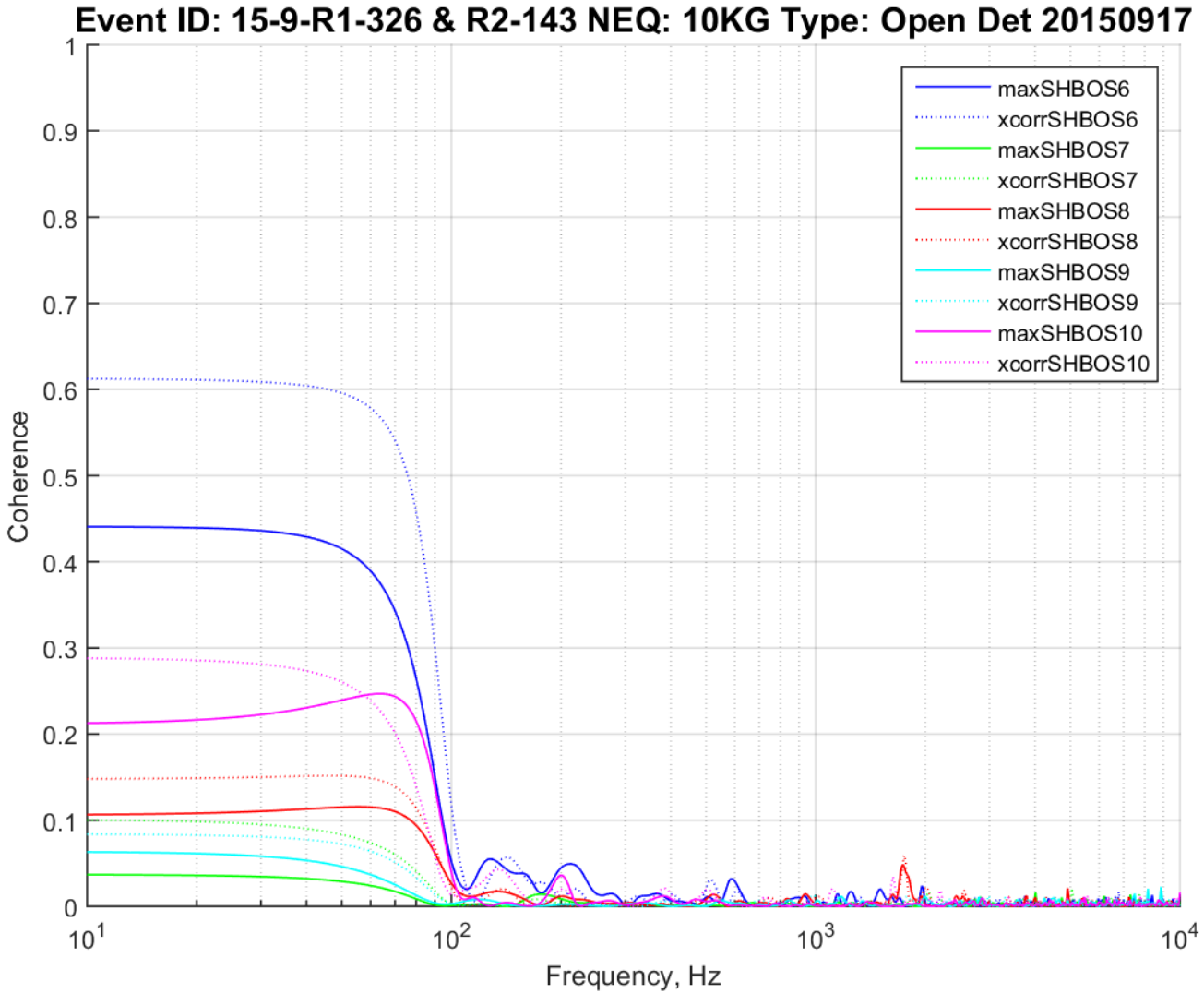


FIGURE 2.1134: COHERENCE SHB_OS 6 - 10 15-9-R1-326 & R2-143CTD

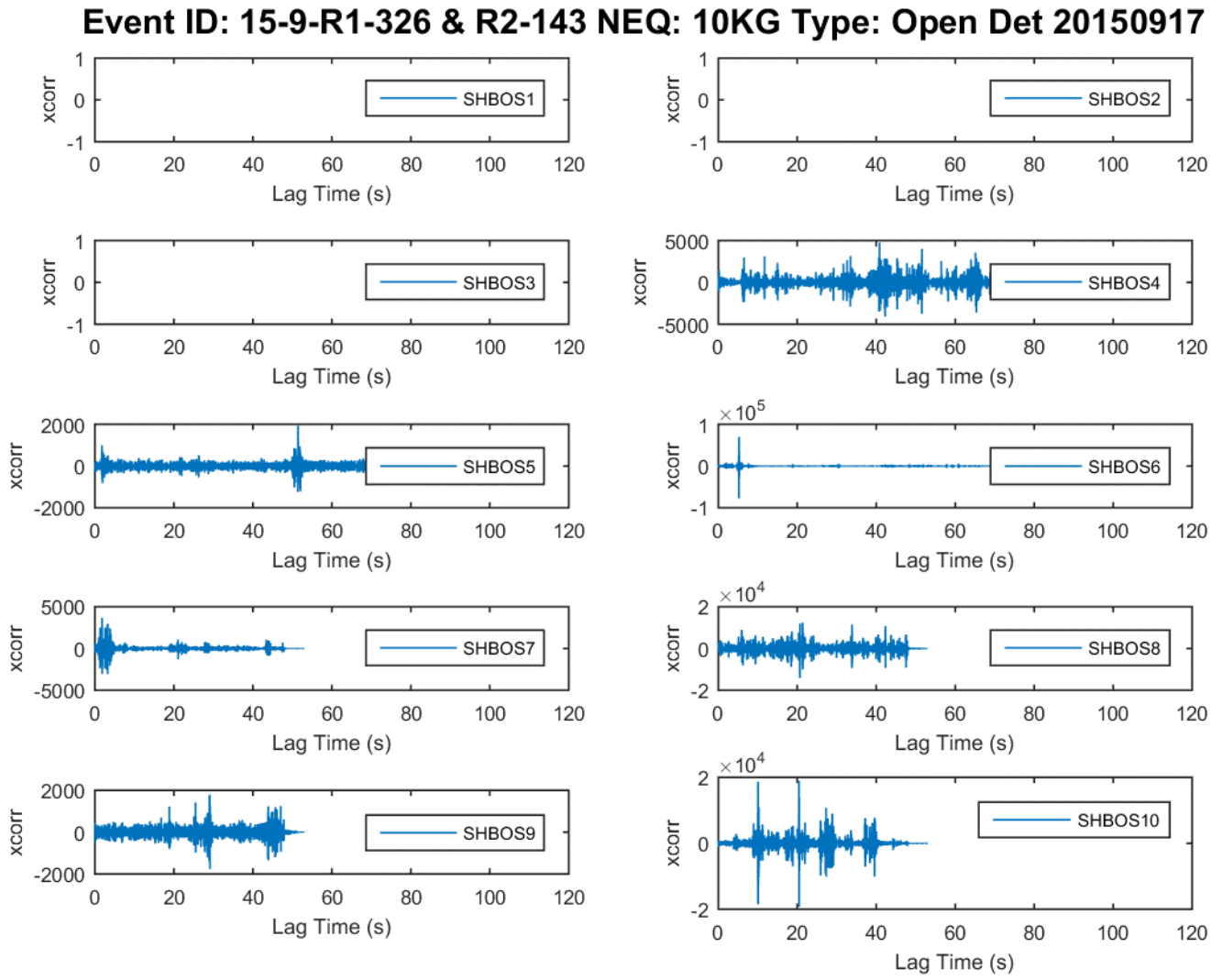


FIGURE 2.1135: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-326 & R2-143

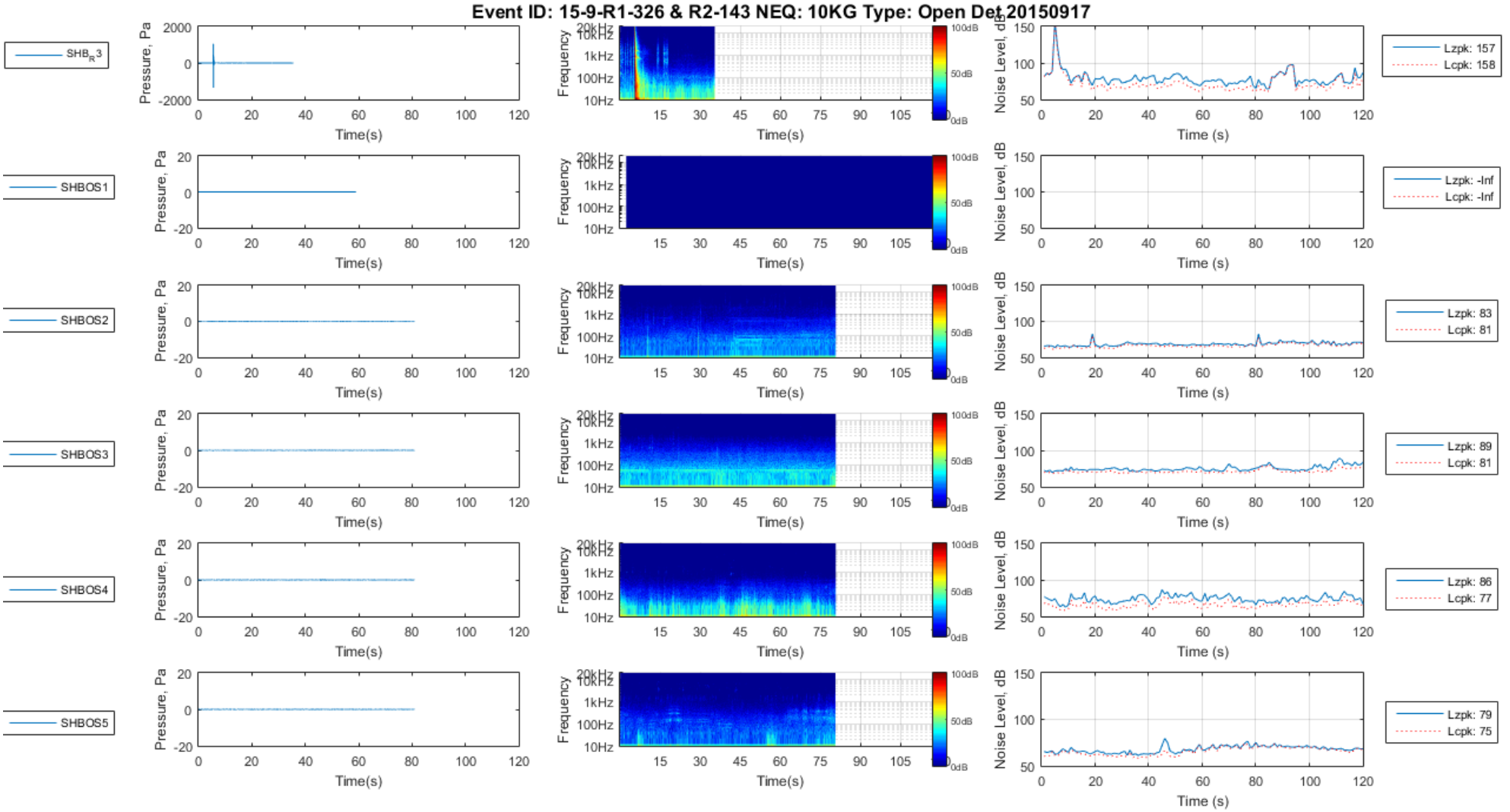


FIGURE 2.1136: SHB_OS 1 - 5 15-9-R1-326 & R2-143

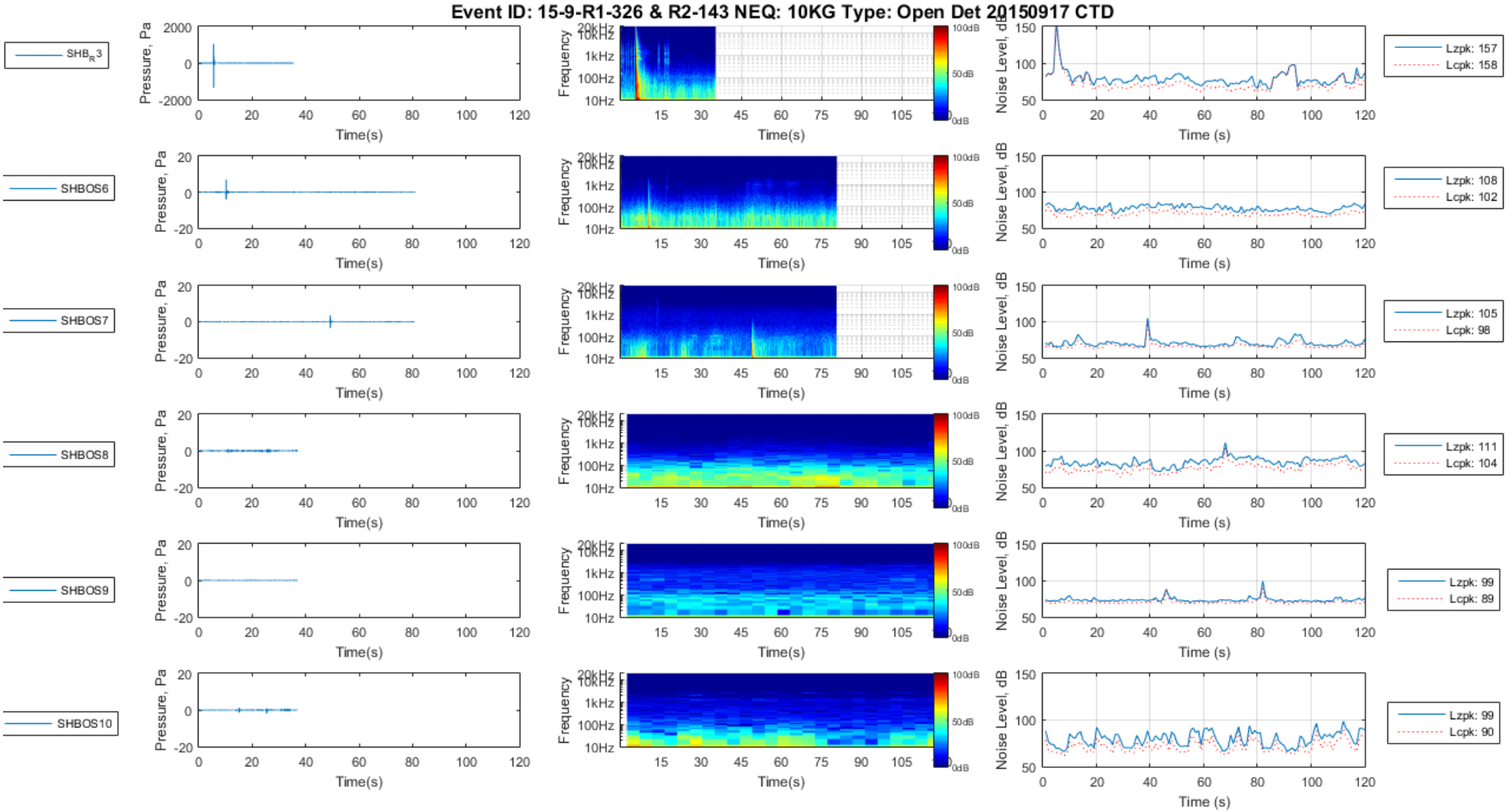


FIGURE 2.1137: SHB_OS 6 - 10 15-9-R1-326 & R2-143

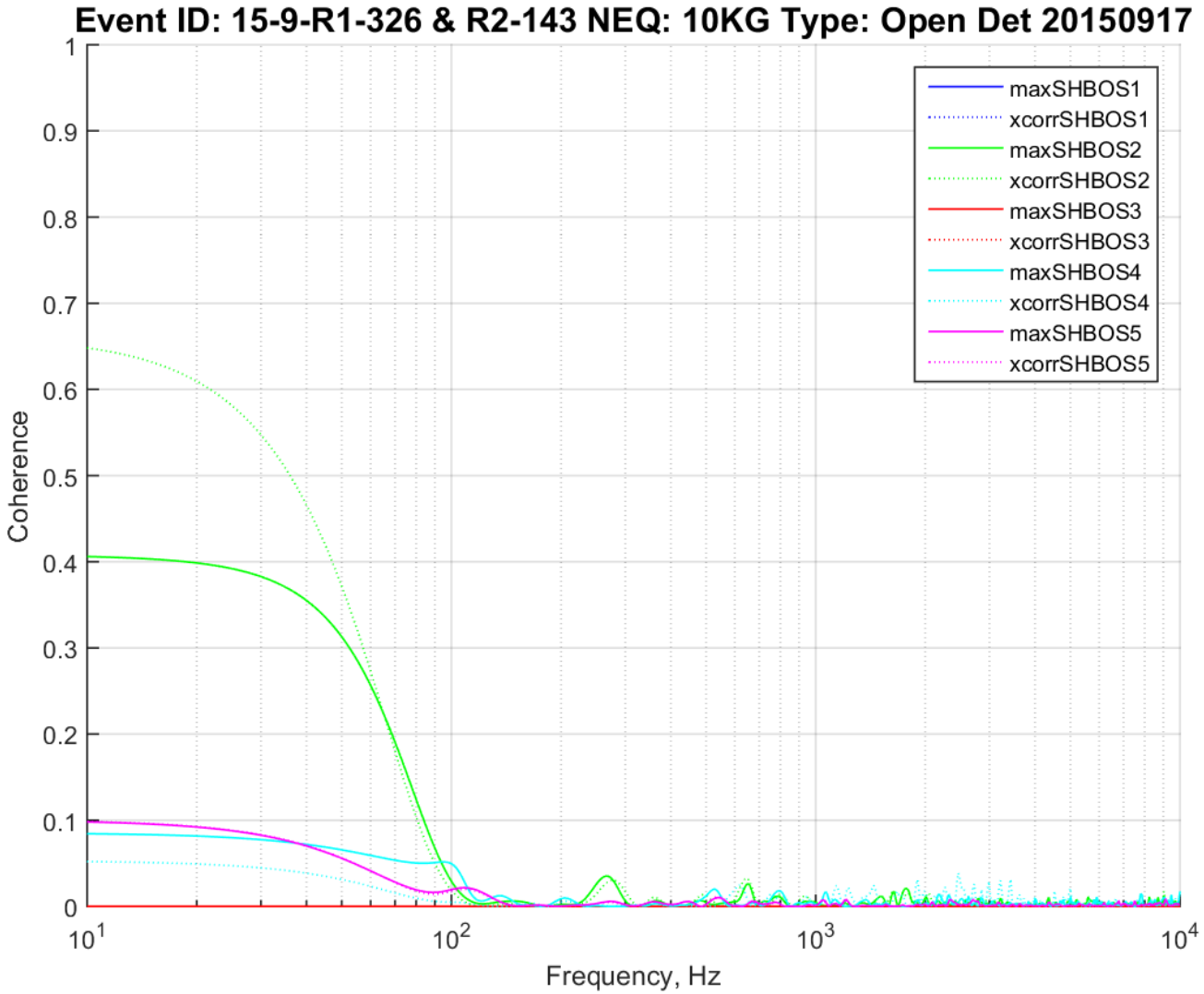


FIGURE 2.1138: COHERENCE SHB_OS 1 - 5 15-9-R1-326 & R2-143

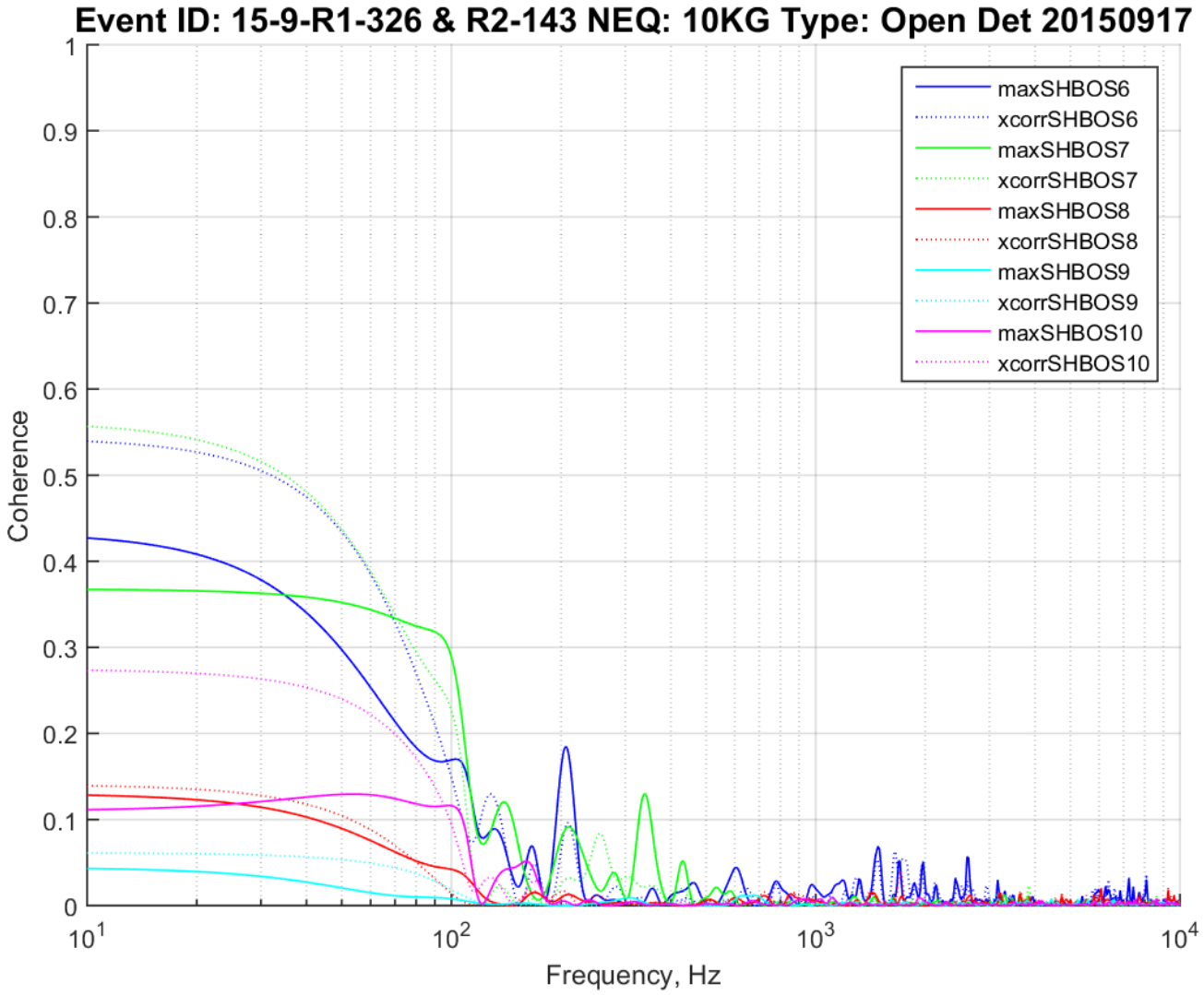


FIGURE 2.1139: COHERENCE SHB_OS 6 - 10 15-9-R1-326 & R2-143CTD

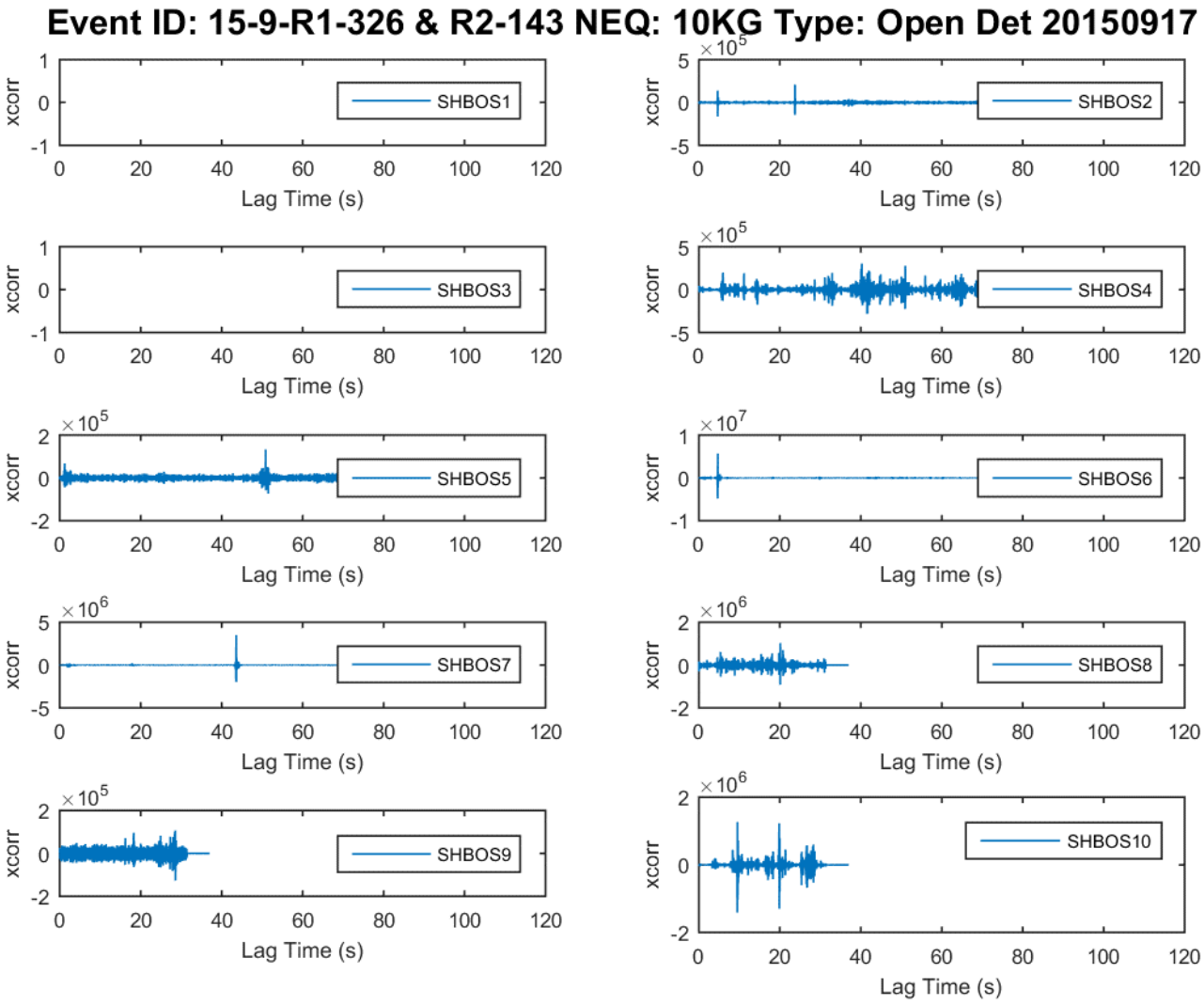


FIGURE 2.1140: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-326 & R2-143

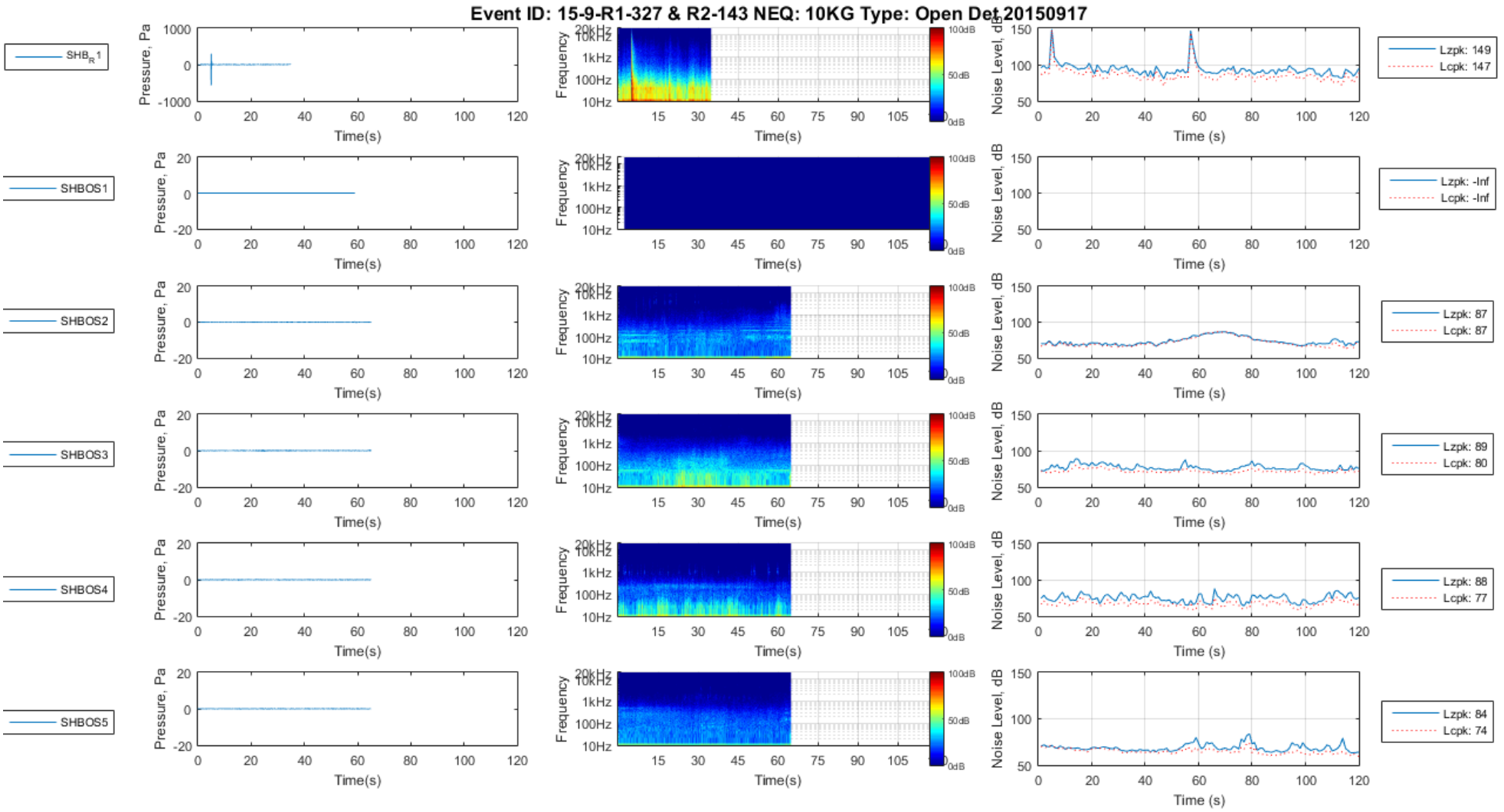


FIGURE 2.1141: SHB_OS 1 - 5 15-9-R1-327 & R2-143

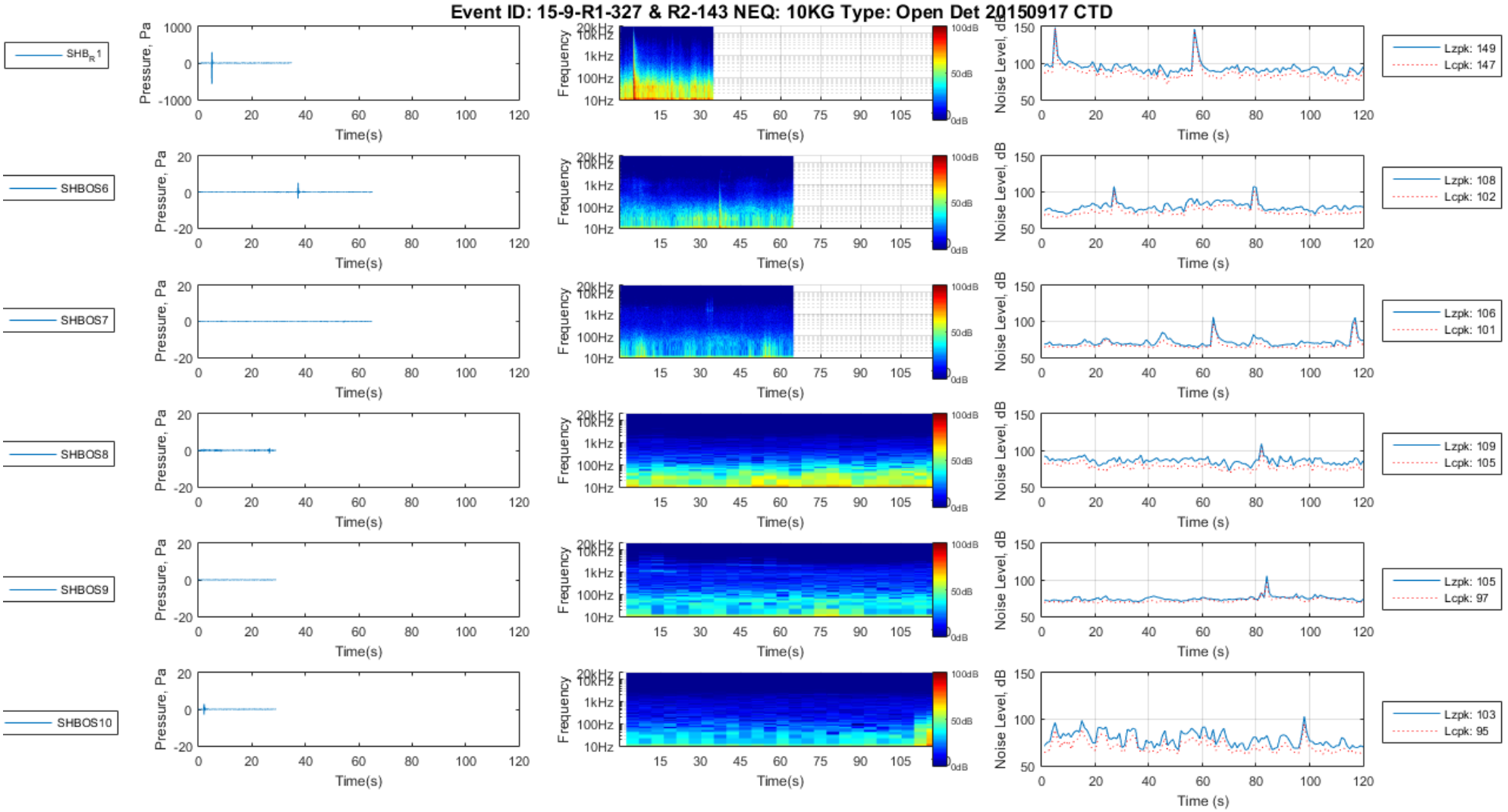


FIGURE 2.1142: SHB_OS 6 - 10 15-9-R1-327 & R2-143

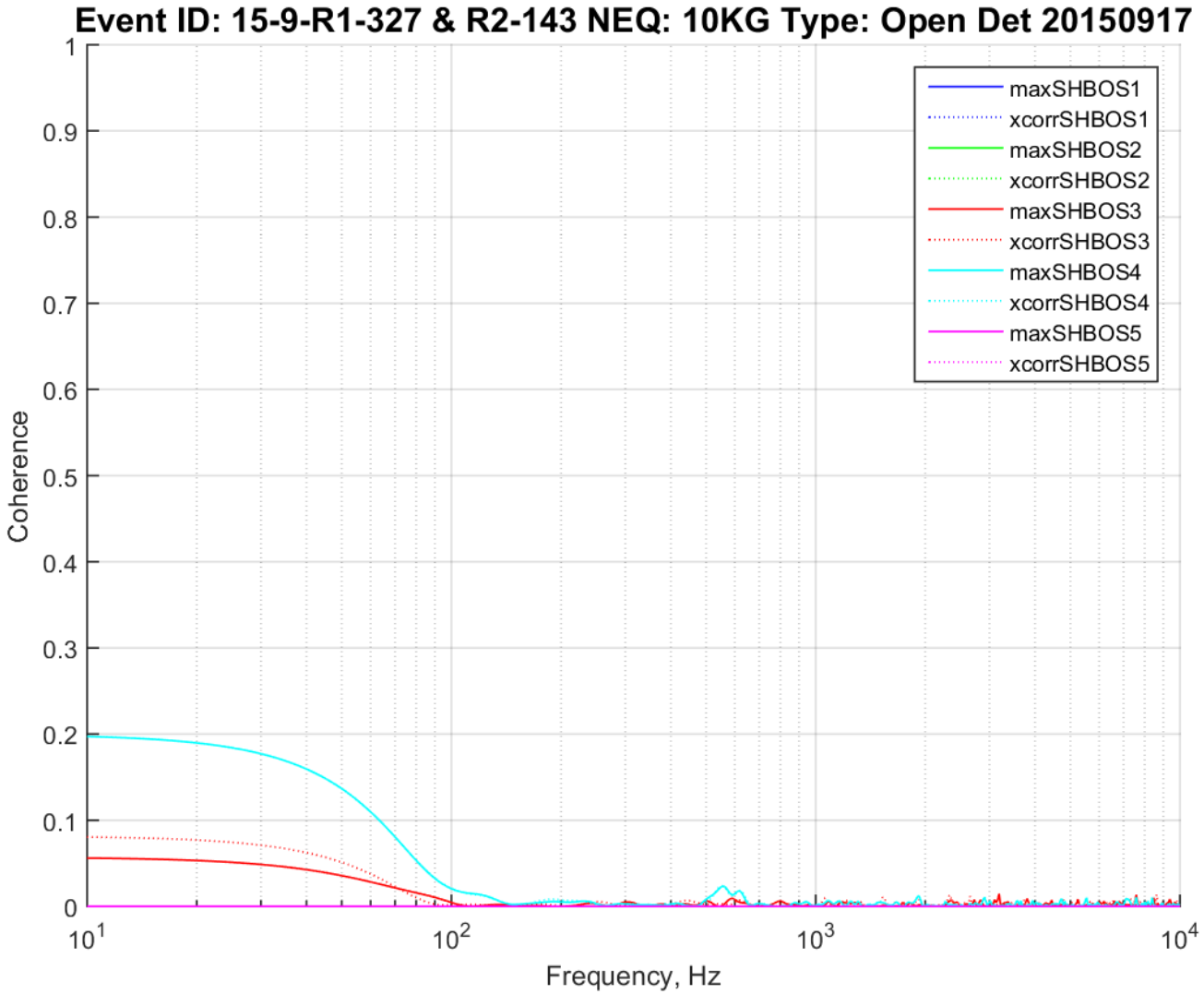


FIGURE 2.1143: COHERENCE SHB_OS 1 - 5 15-9-R1-327 & R2-143

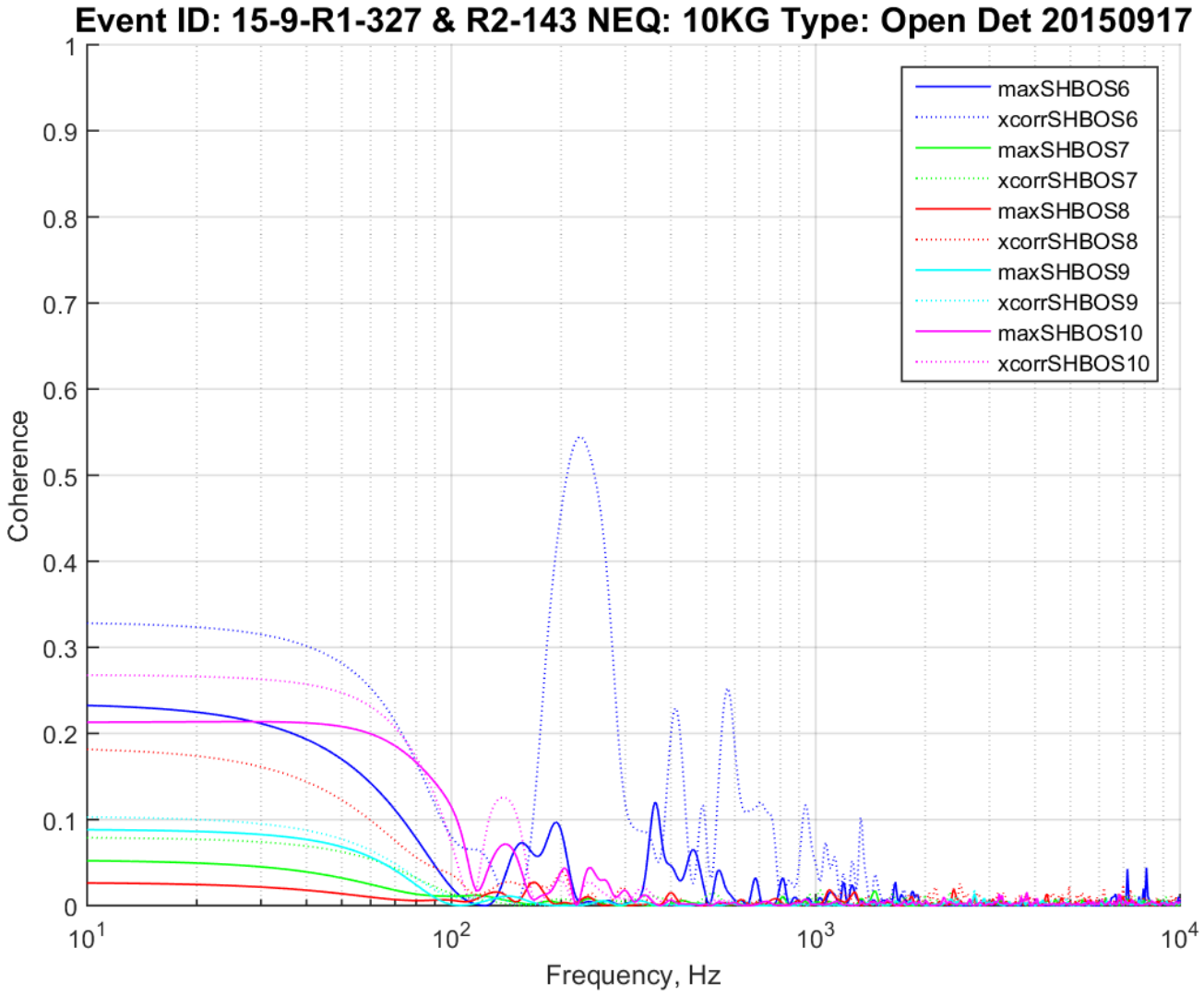


FIGURE 2.1144: COHERENCE SHB_OS 6 - 10 15-9-R1-327 & R2-143CTD

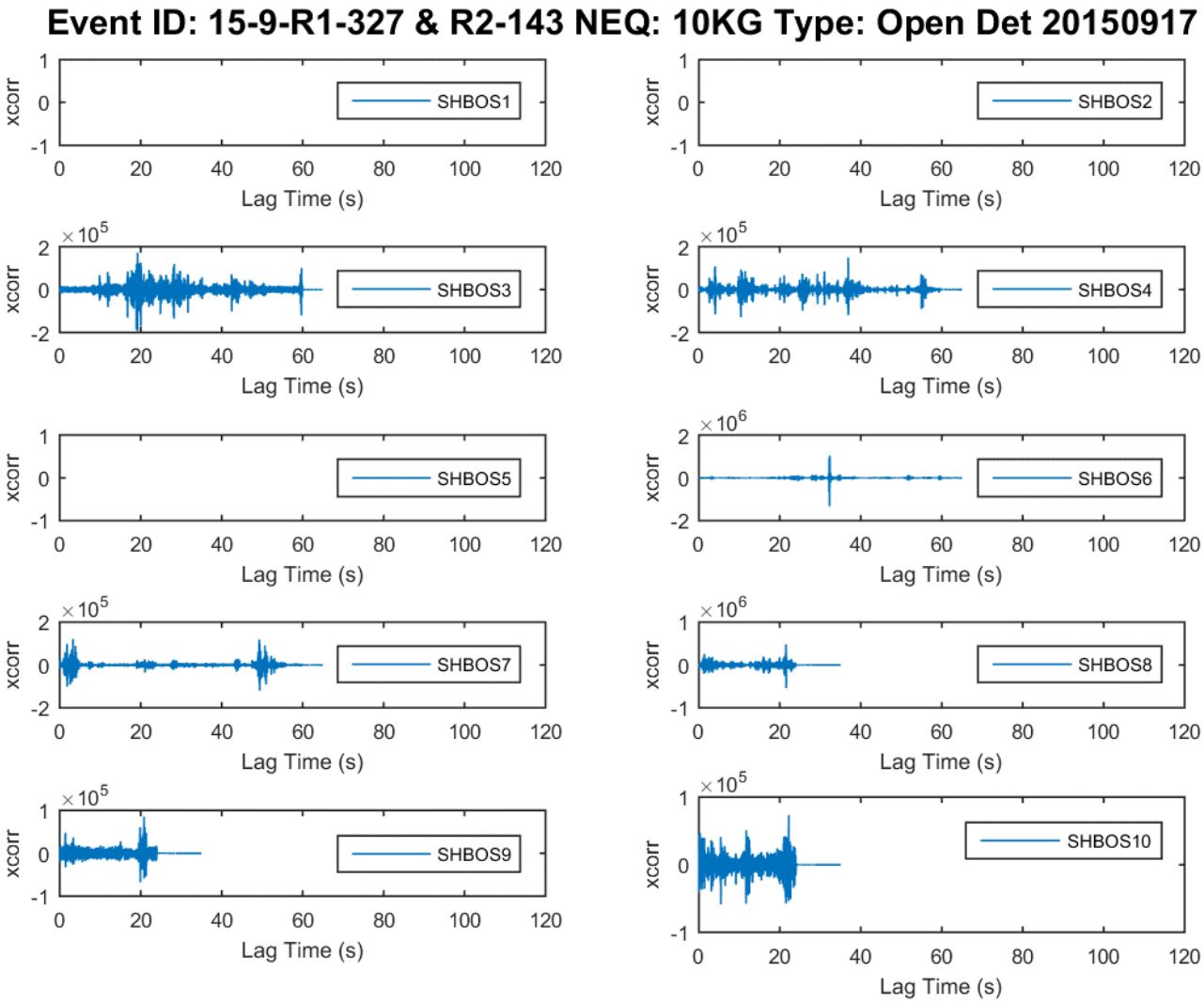


FIGURE 2.1145: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-327 & R2-143

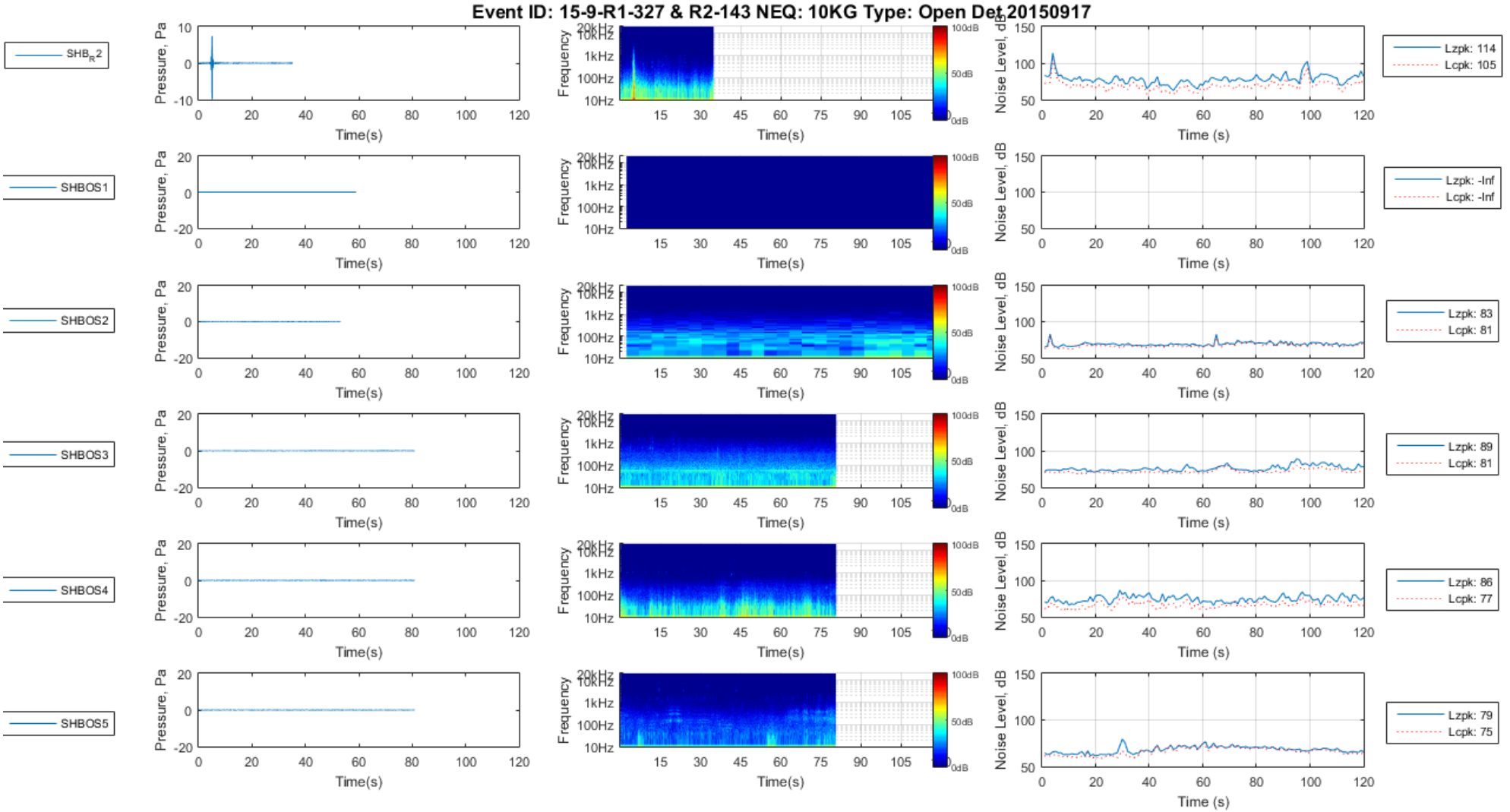


FIGURE 2.1146: SHB_OS 1 - 5 15-9-R1-327 & R2-143

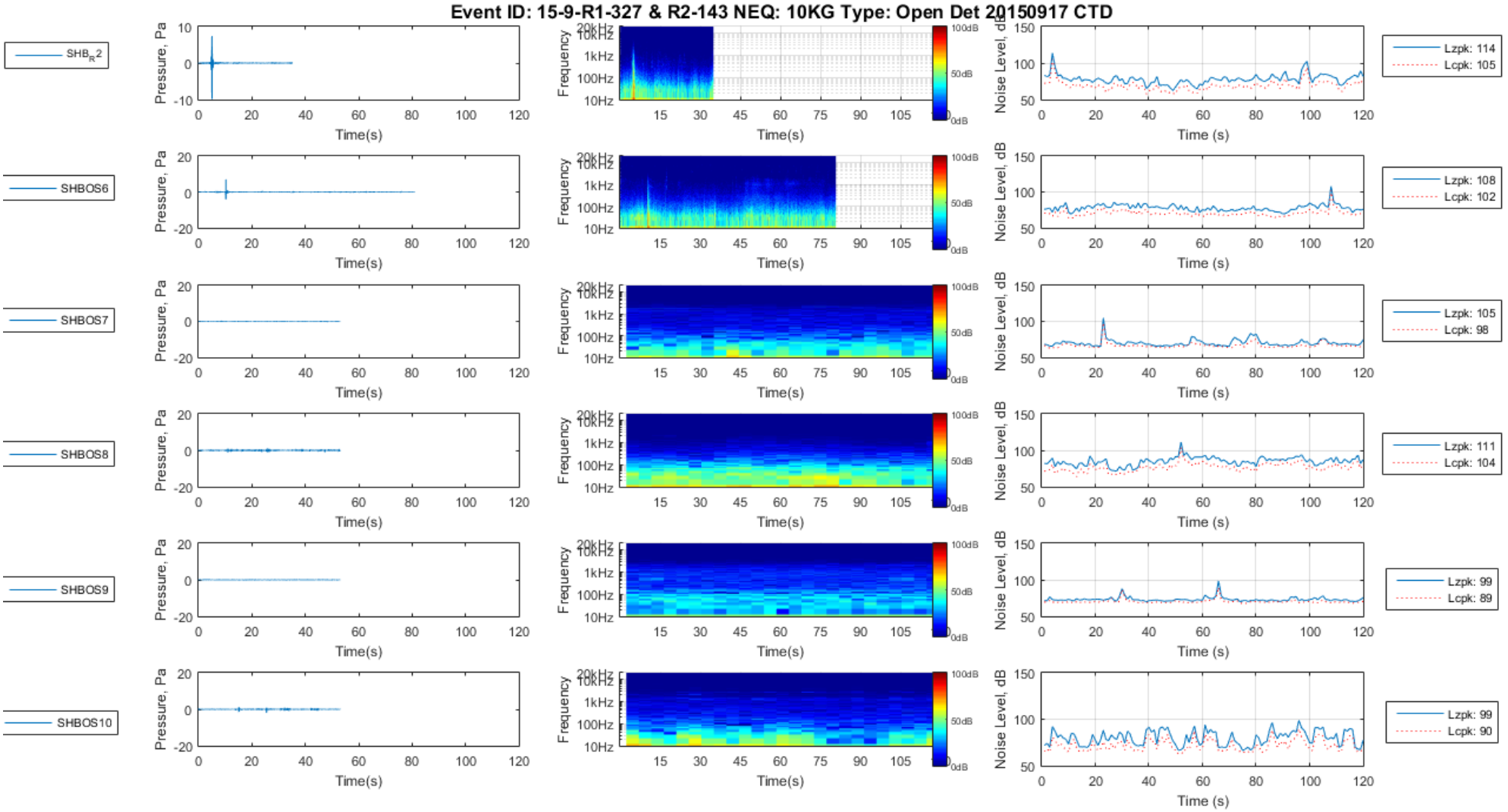


FIGURE 2.1147: SHB_OS 6 - 10 15-9-R1-327 & R2-143

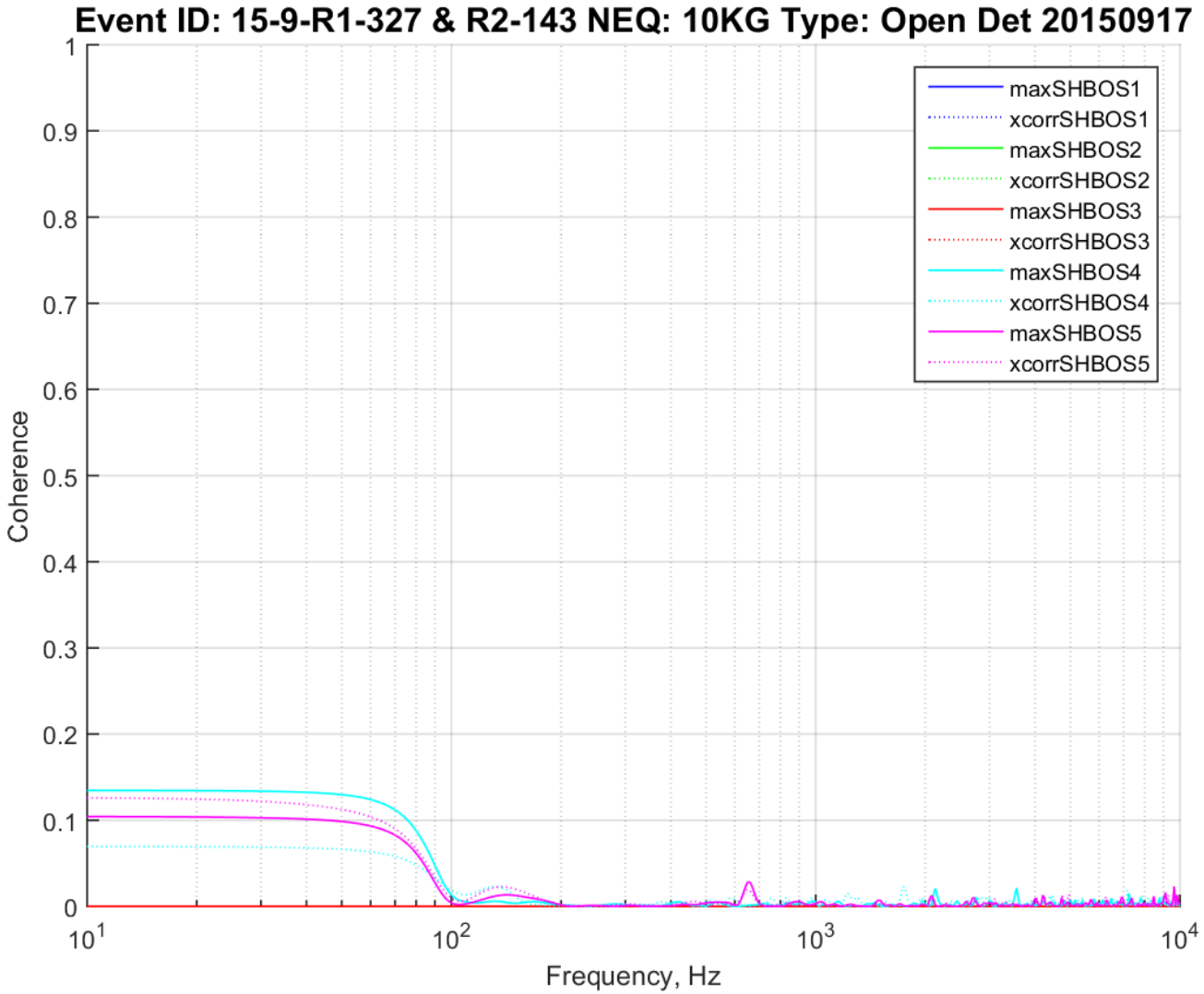


FIGURE 2.1148: COHERENCE SHB_OS 1 - 5 15-9-R1-327 & R2-143

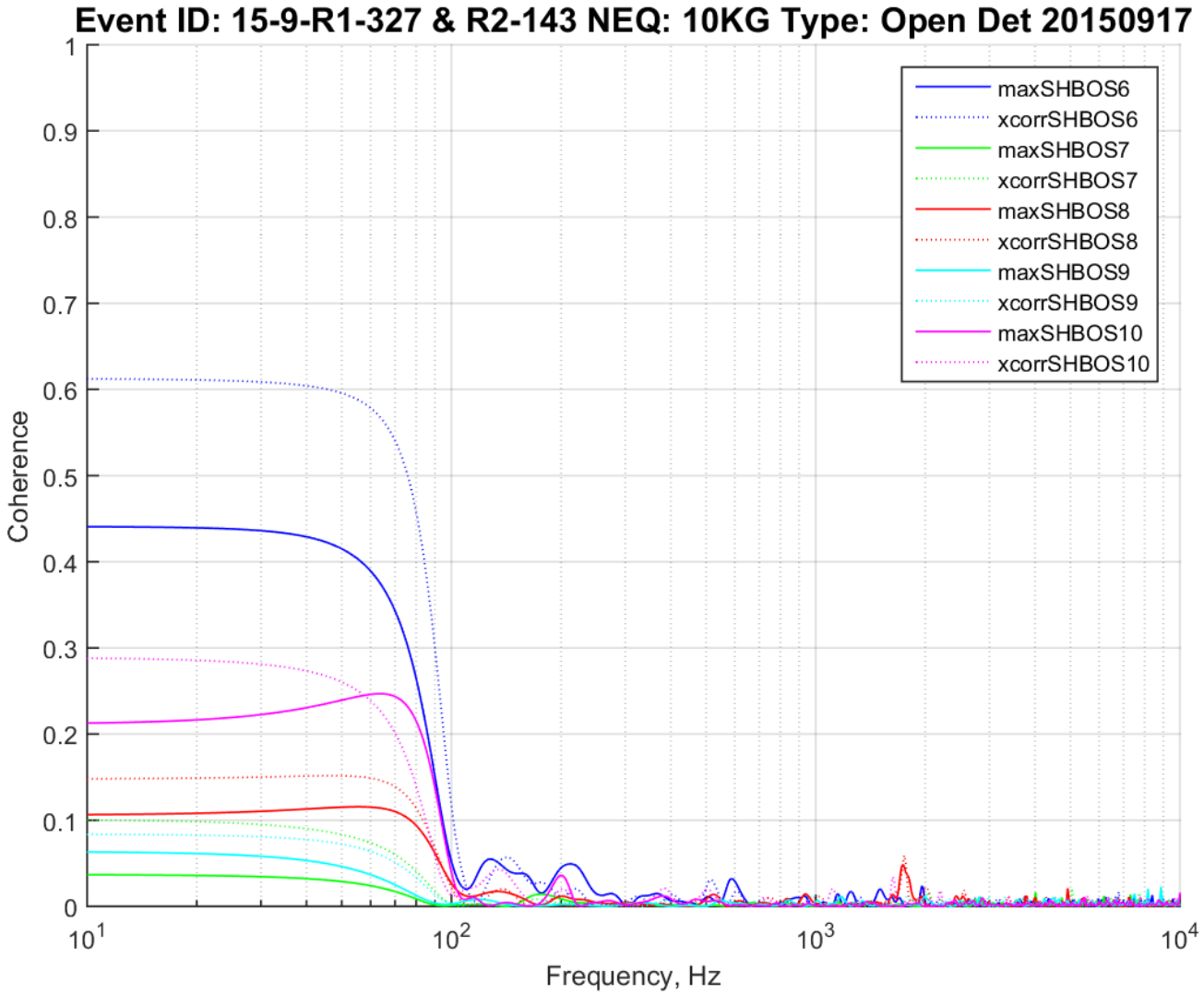


FIGURE 2.1149: COHERENCE SHB_OS 6 - 10 15-9-R1-327 & R2-143CTD

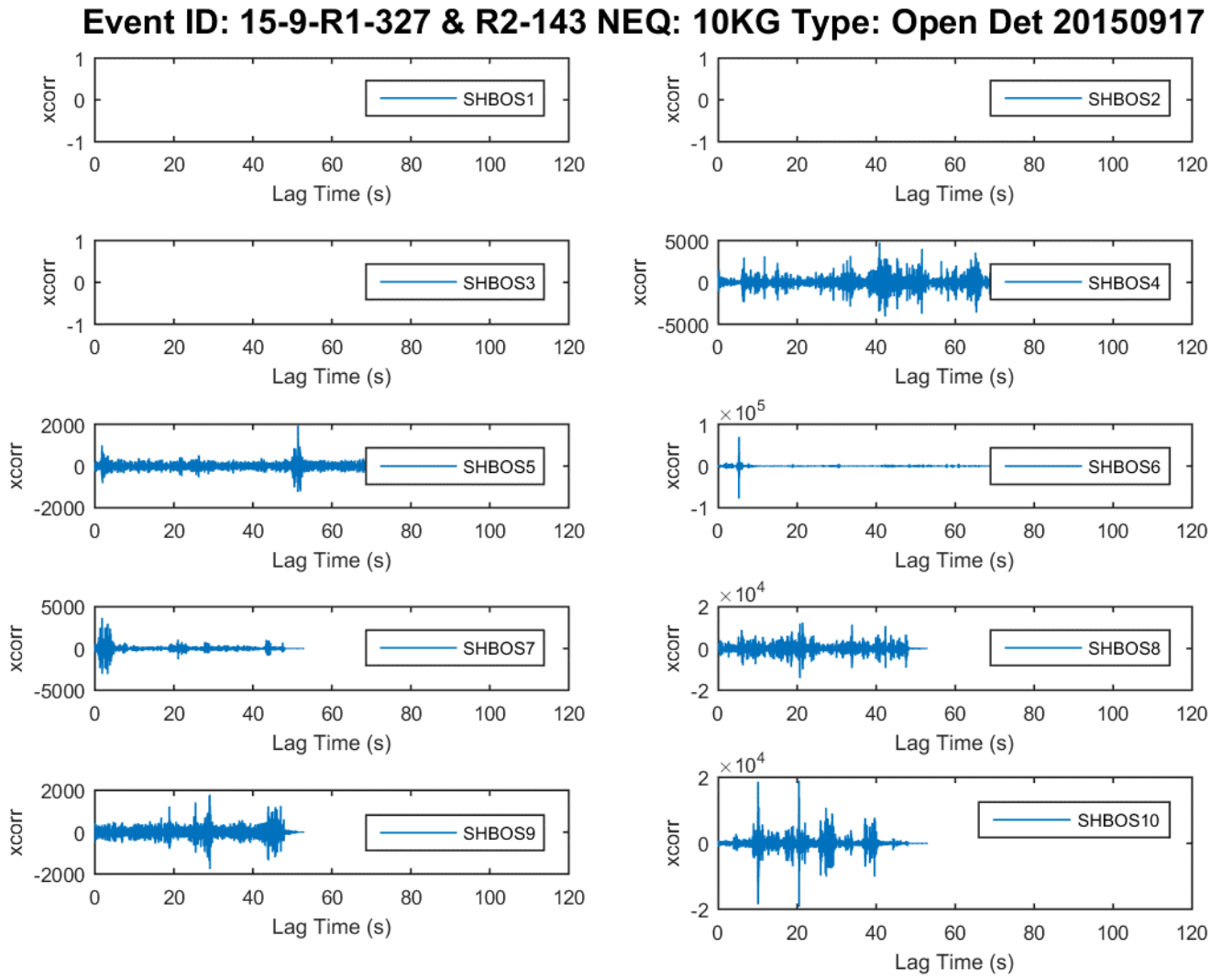


FIGURE 2.1150: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-327 & R2-143

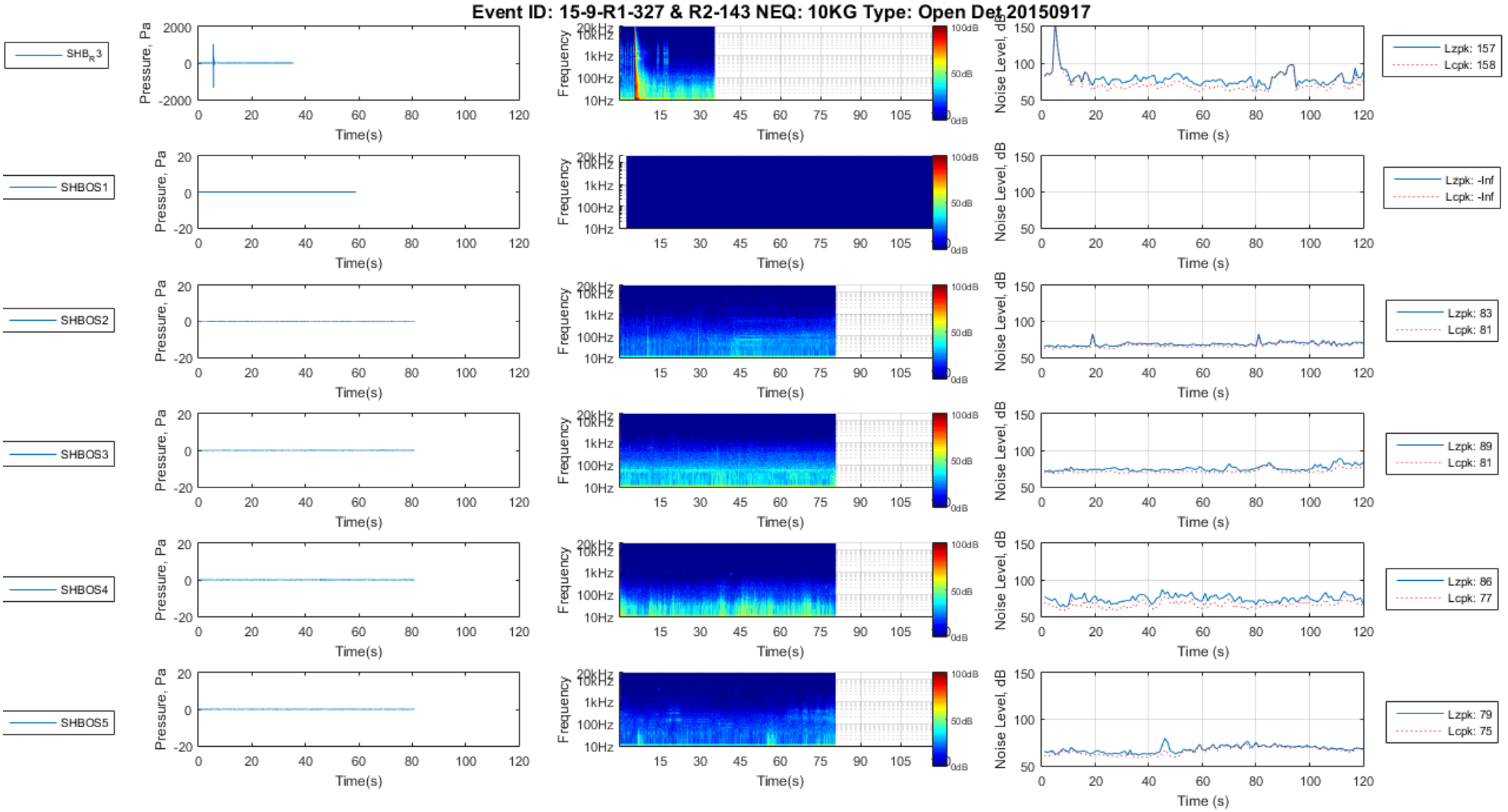


FIGURE 2.1151: SHB_OS 1 - 5 15-9-R1-327 & R2-143

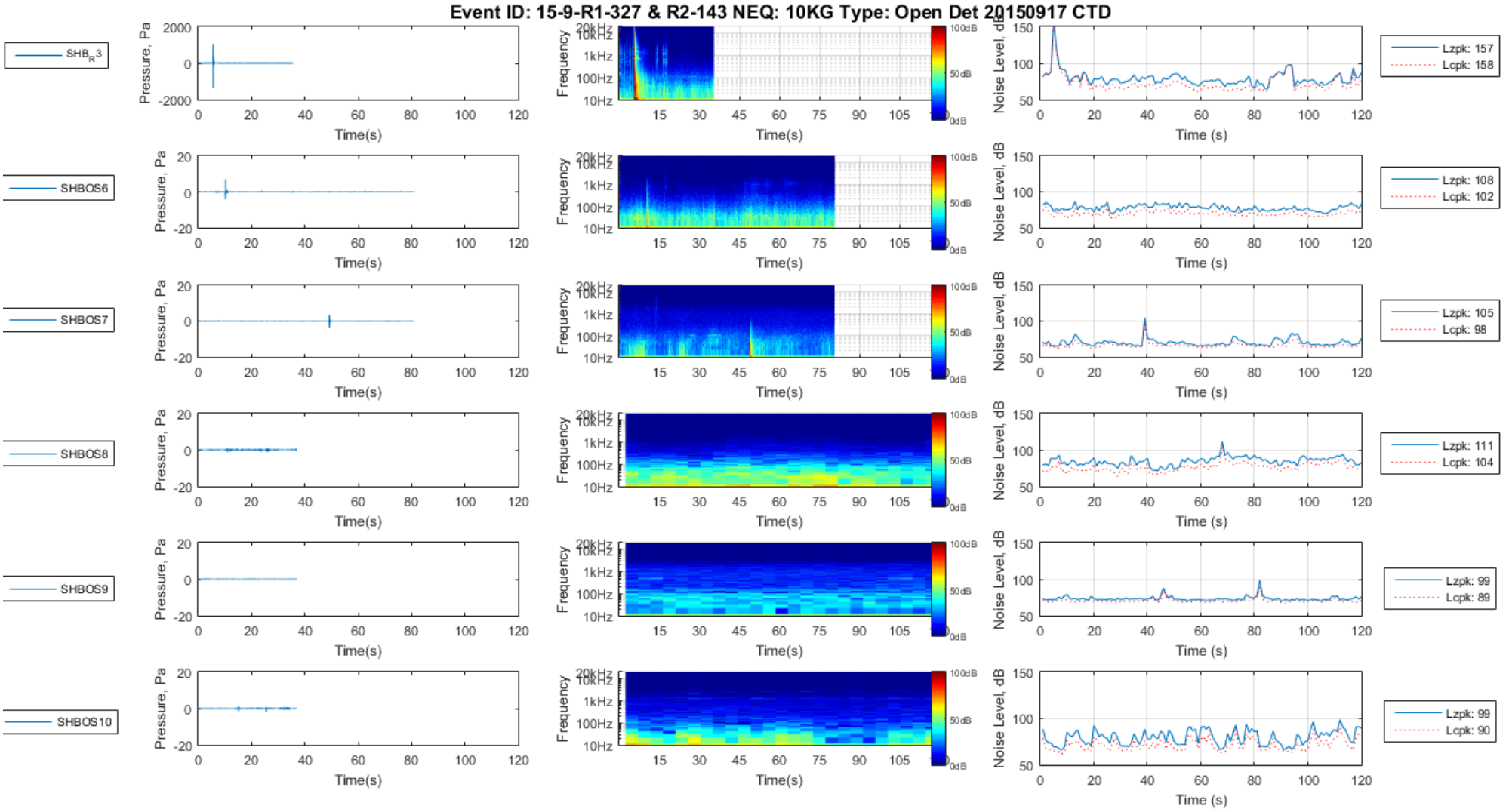


FIGURE 2.1152: SHB_OS 6 - 10 15-9-R1-327 & R2-143

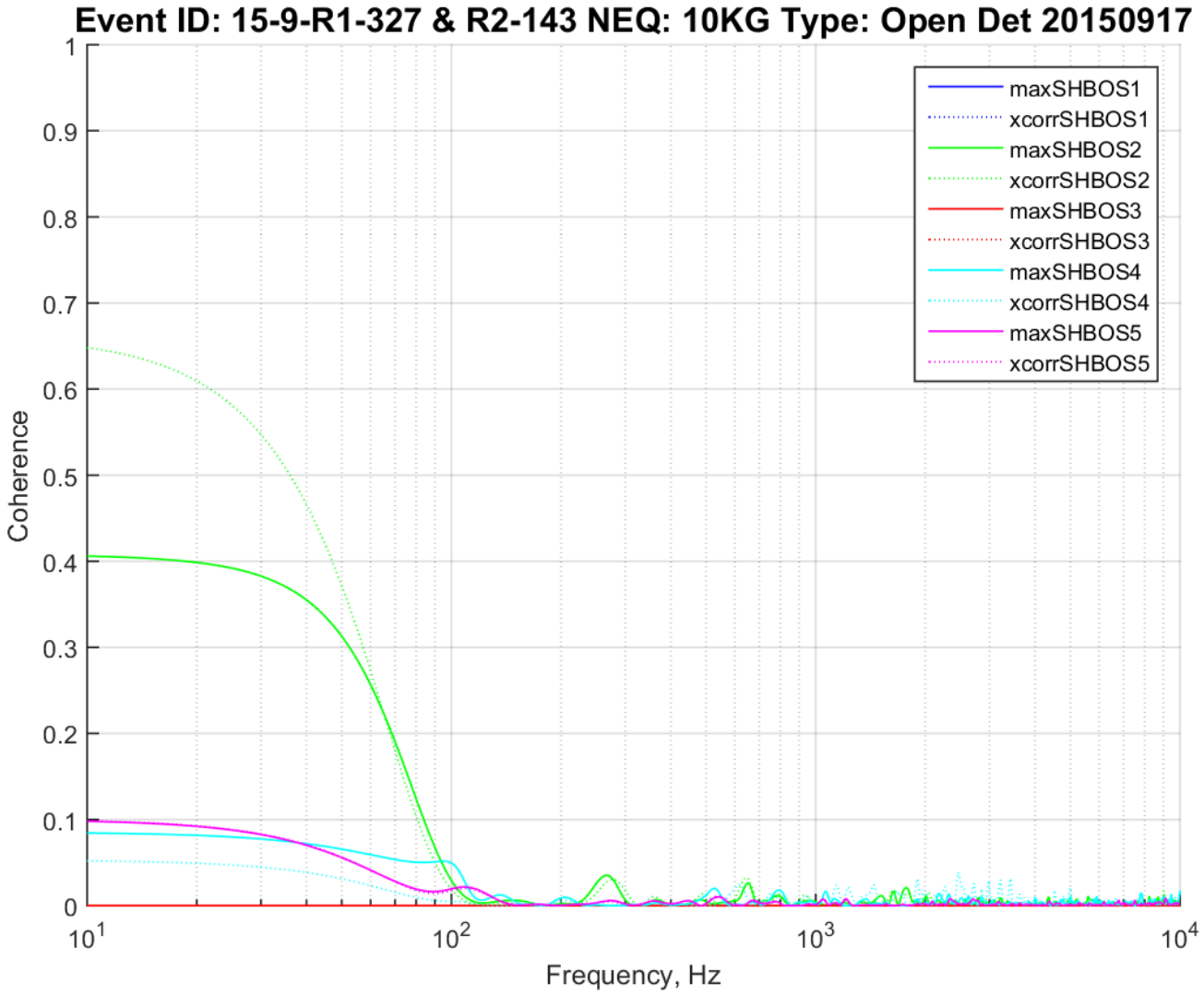


FIGURE 2.1153: COHERENCE SHB_OS 1 - 5 15-9-R1-327 & R2-143

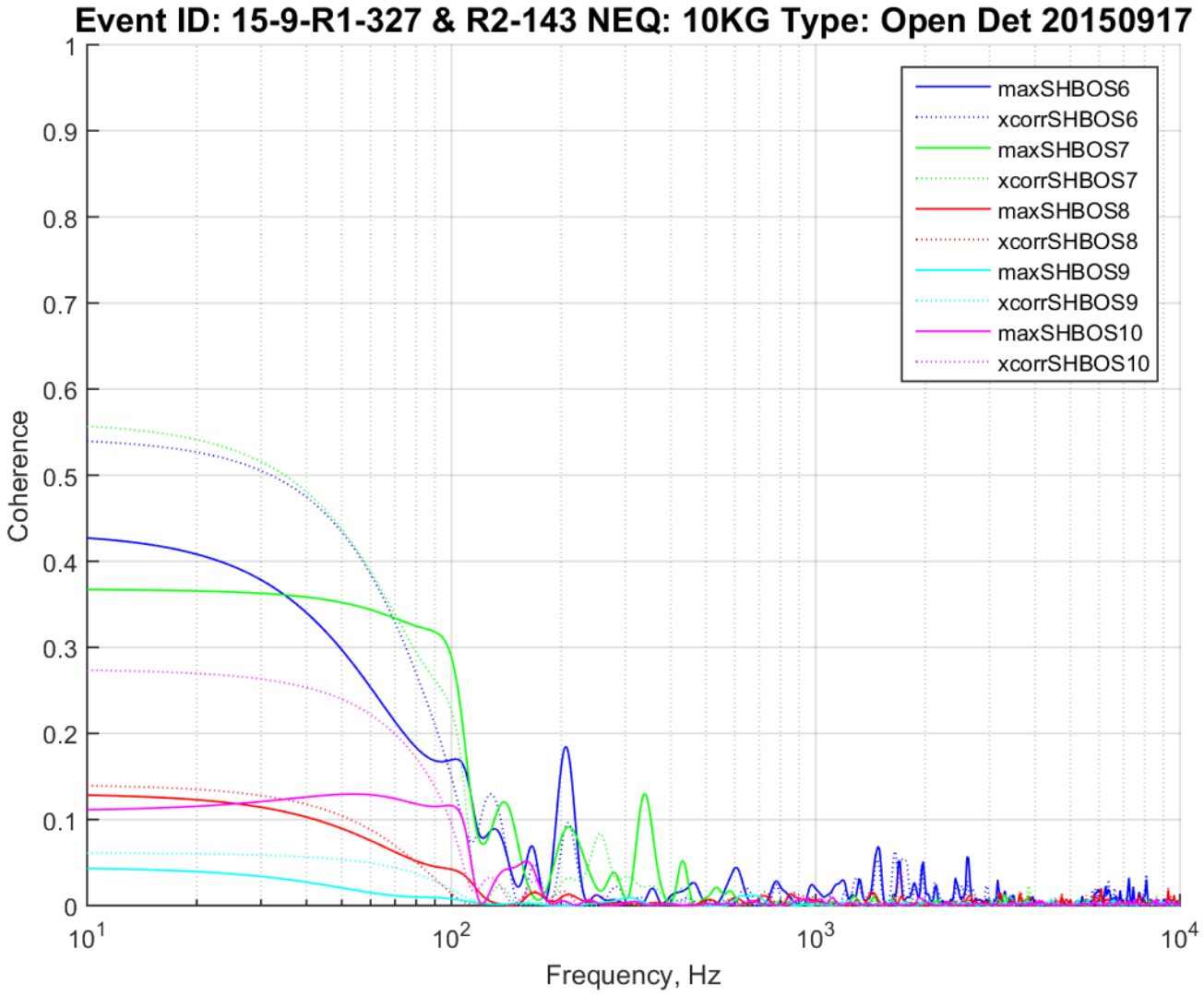


FIGURE 2.1154: COHERENCE SHB_OS 6 - 10 15-9-R1-327 & R2-143CTD

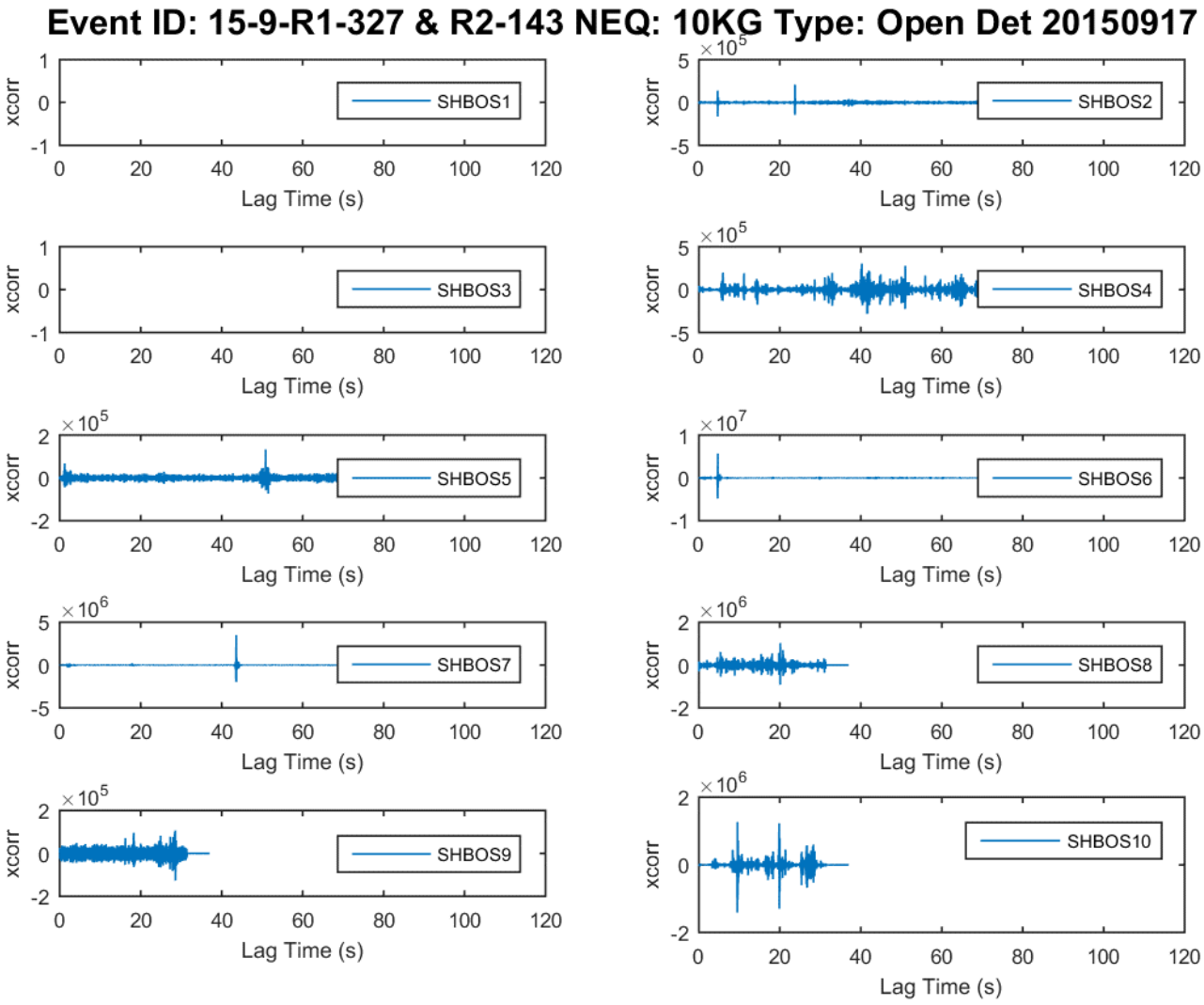


FIGURE 2.1155: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-327 & R2-143

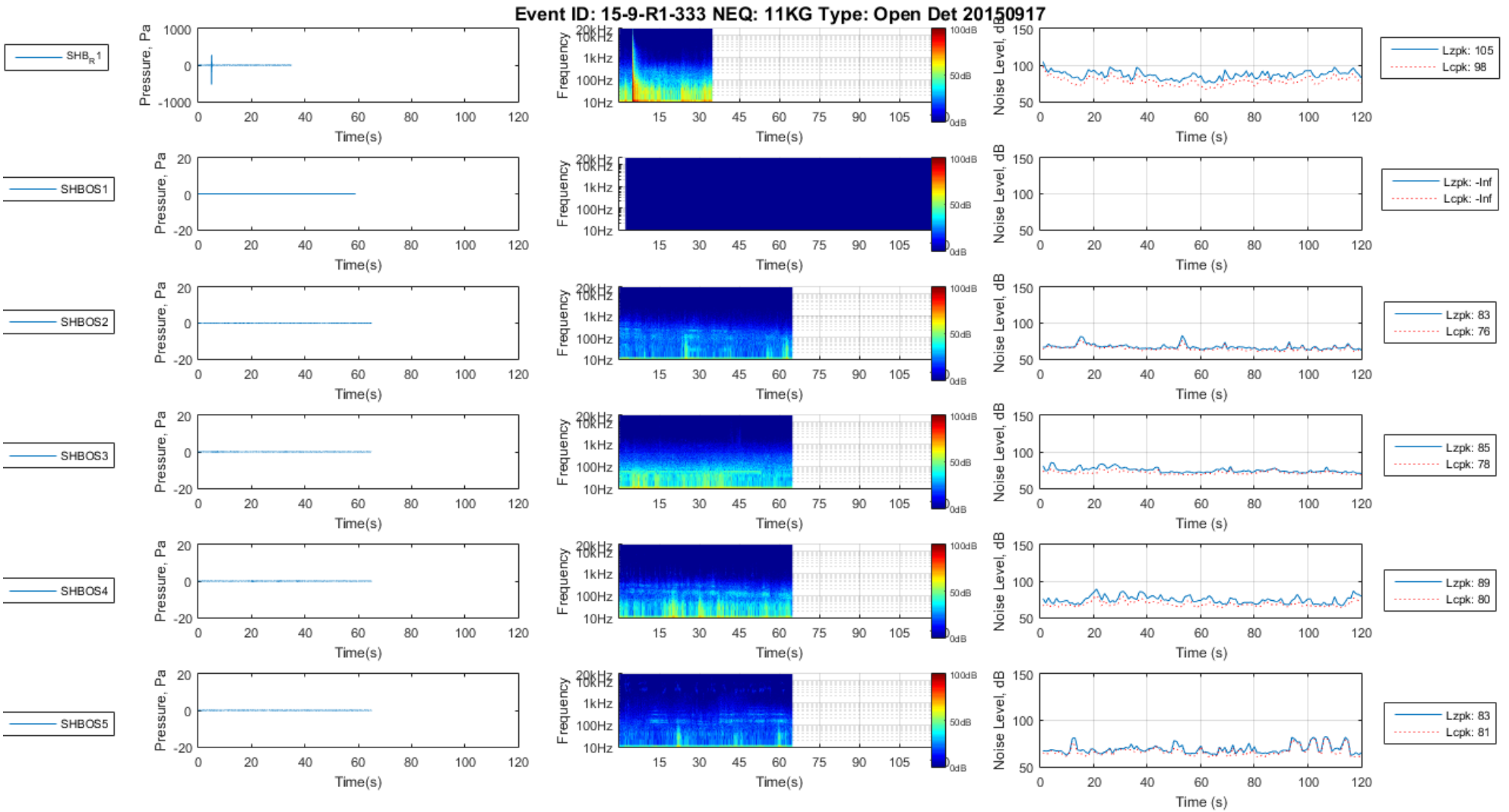


FIGURE 2.1156: SHB_OS 1 - 5 15-9-R1-333

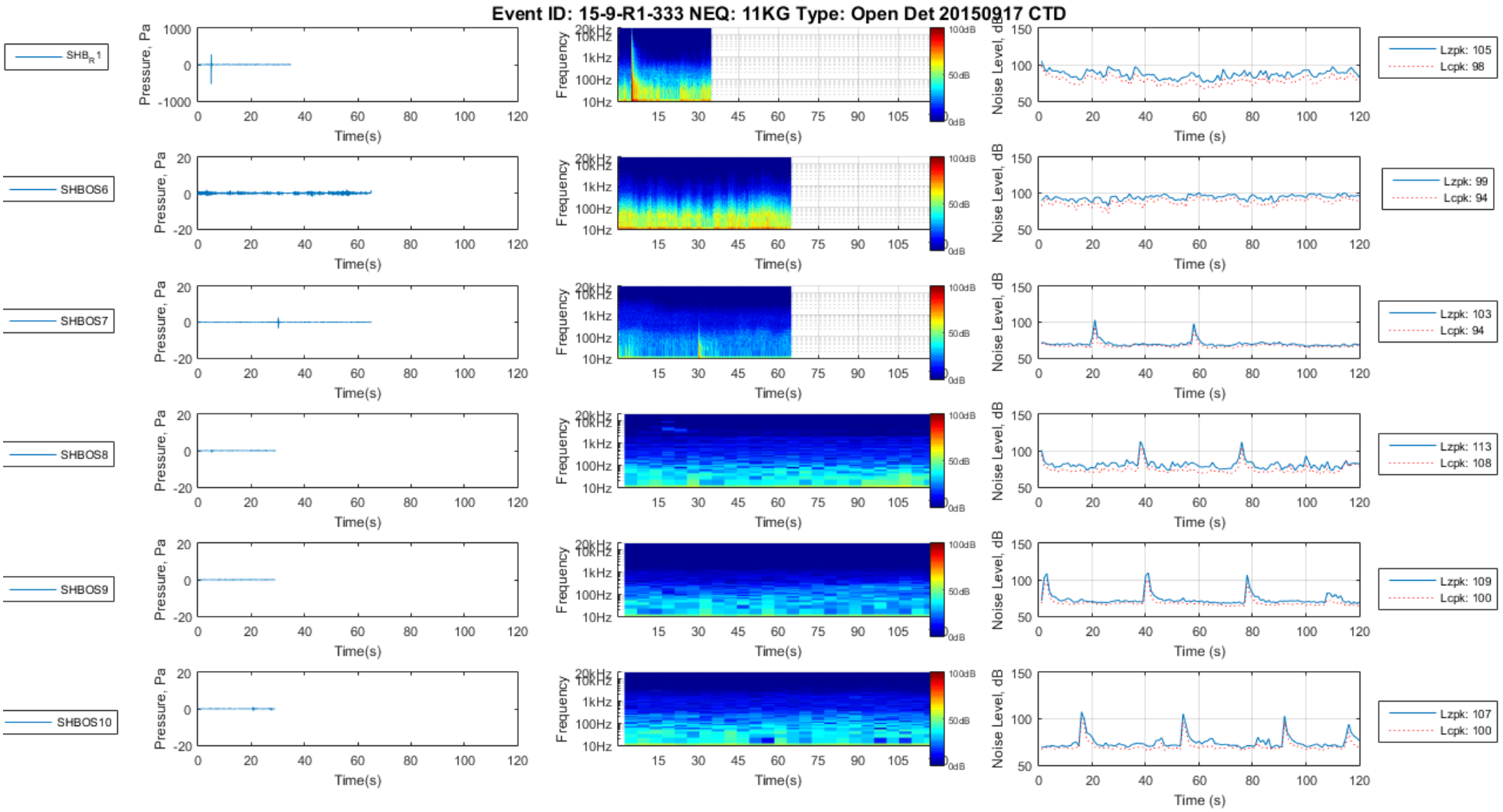


FIGURE 2.1157: SHB_OS 6 - 10 15-9-R1-333

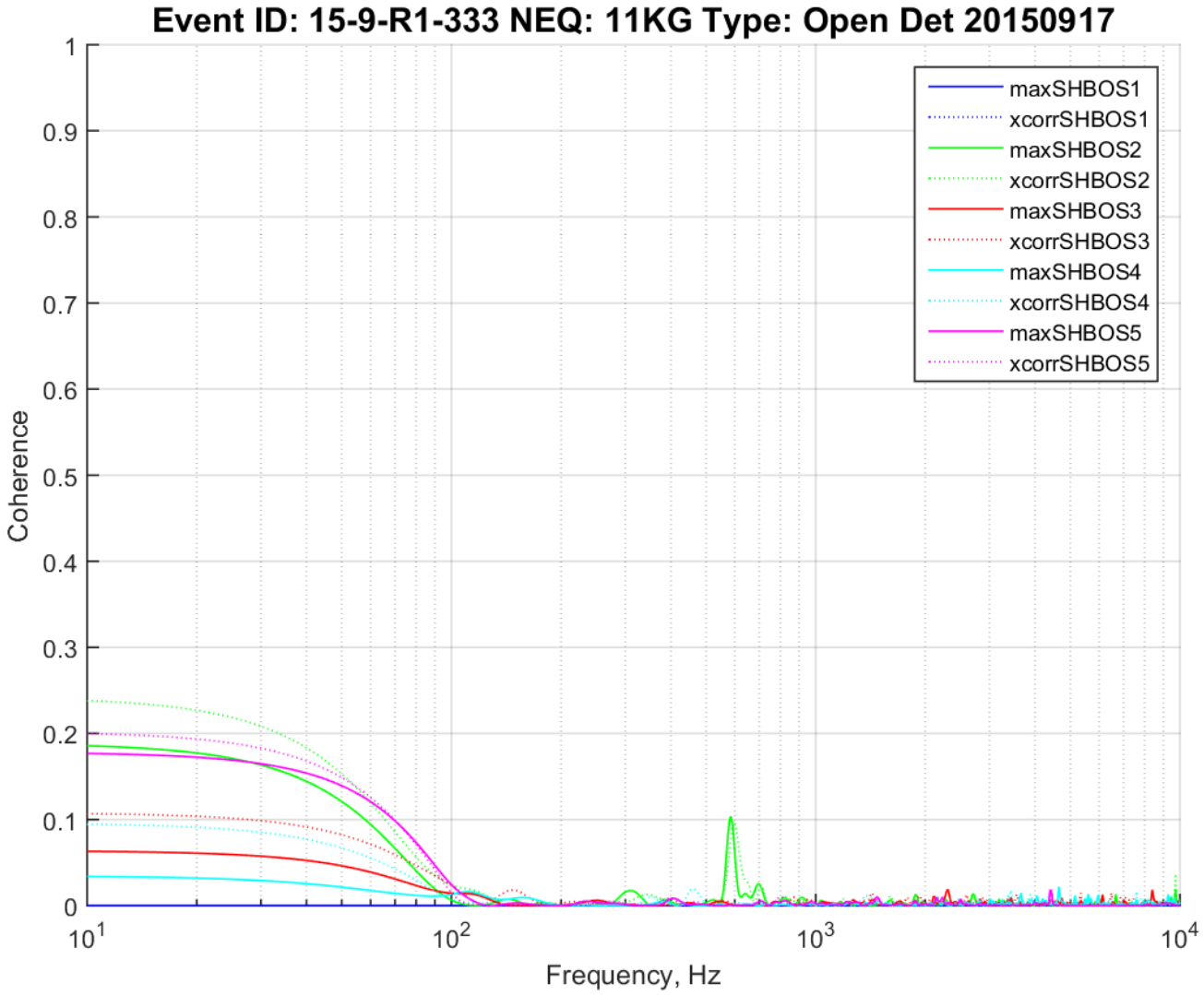


FIGURE 2.1158: COHERENCE SHB_OS 1 - 5 15-9-R1-333

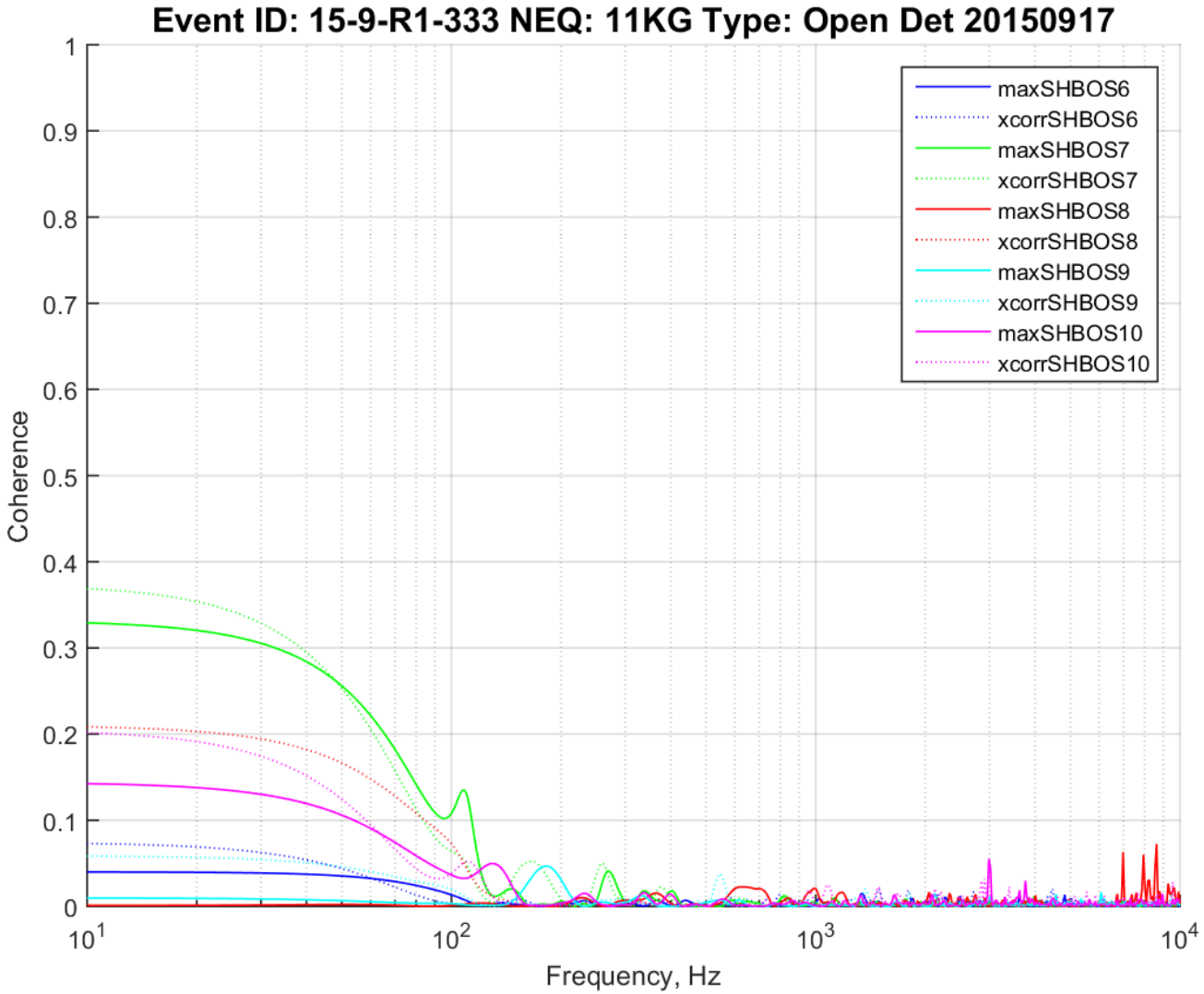


FIGURE 2.1159: COHERENCE SHB_OS 6 - 10 15-9-R1-333CTD

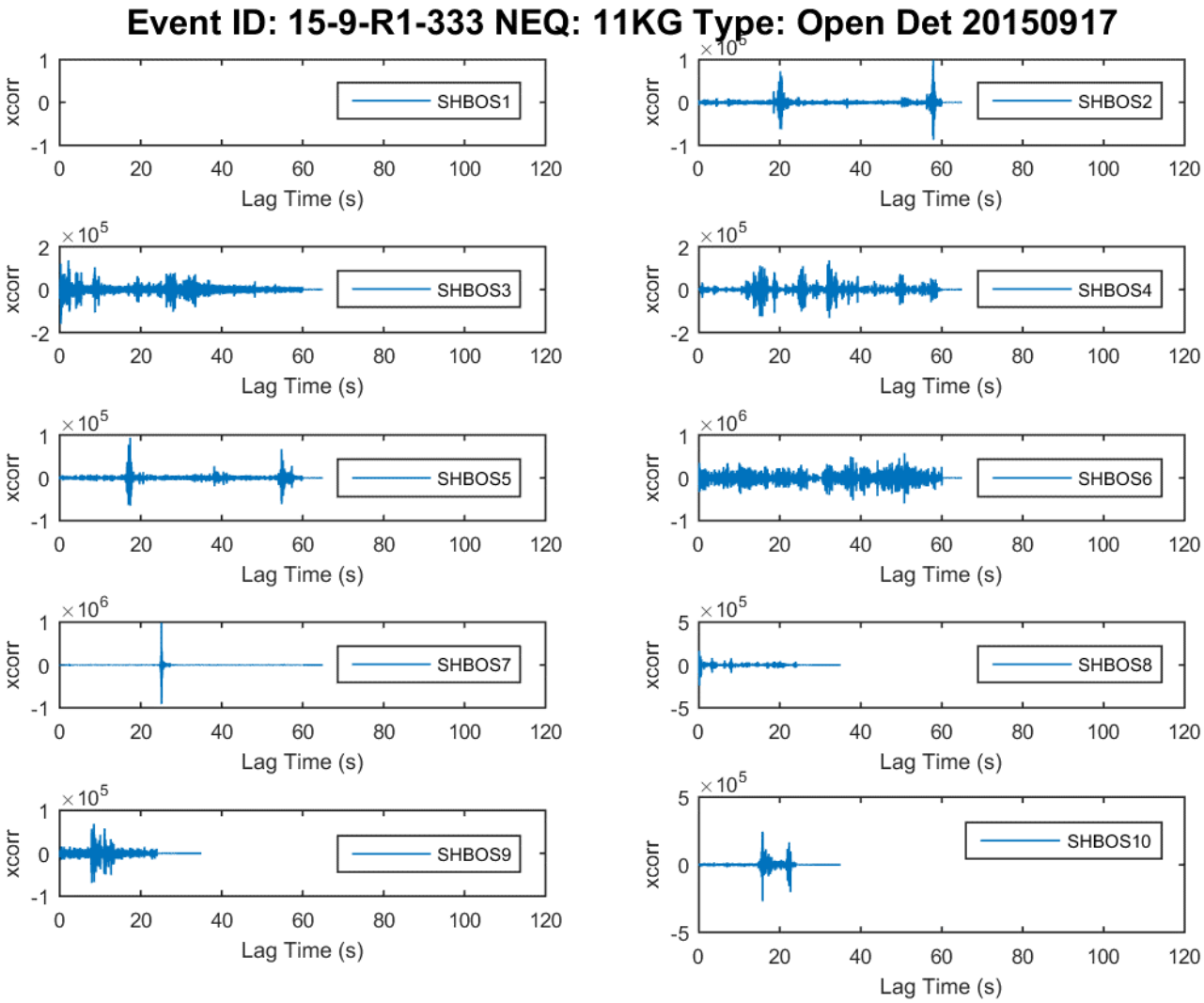


FIGURE 2.1160: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-333

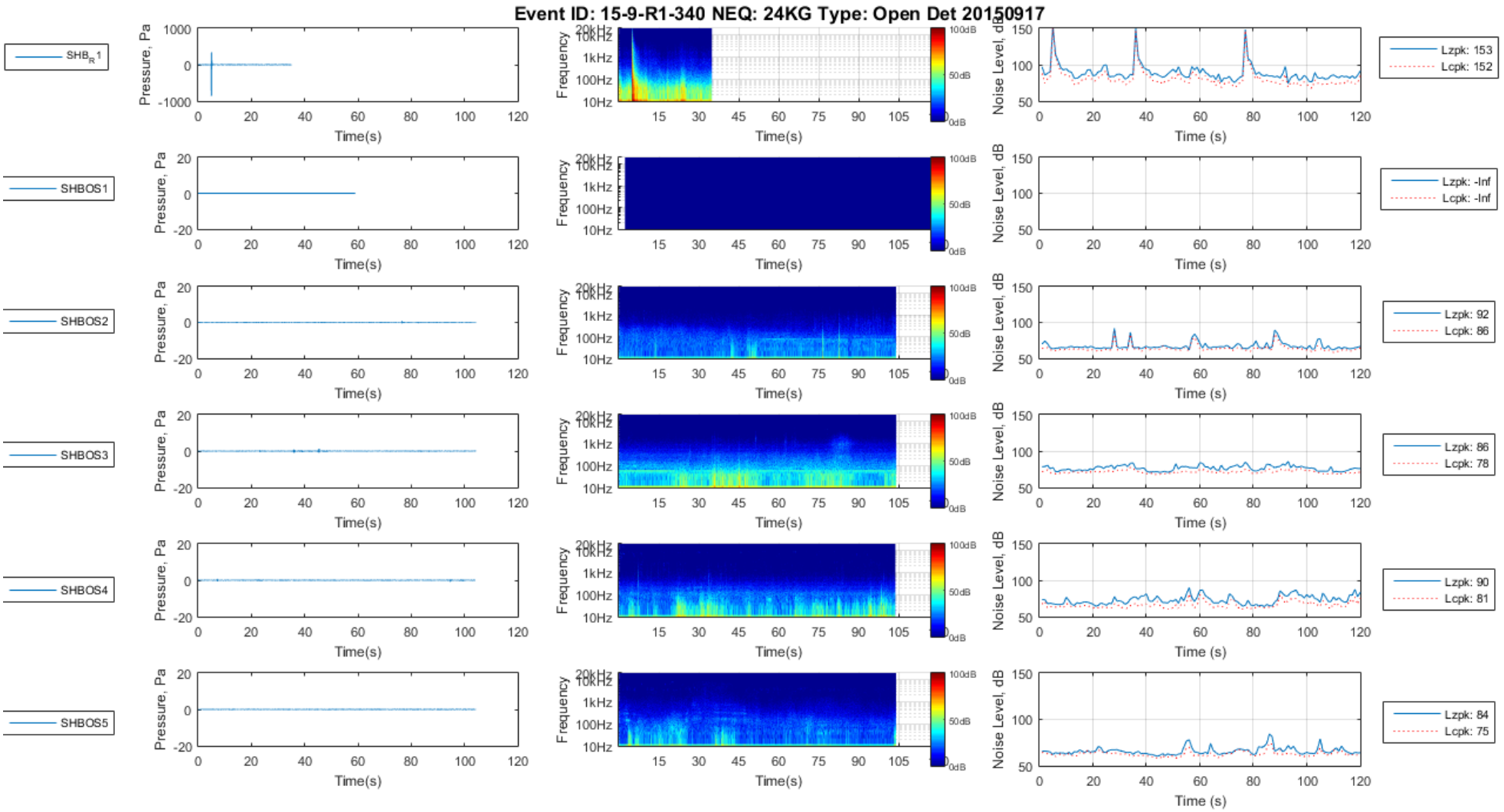


FIGURE 2.1161: SHB_OS 1 - 5 15-9-R1-340

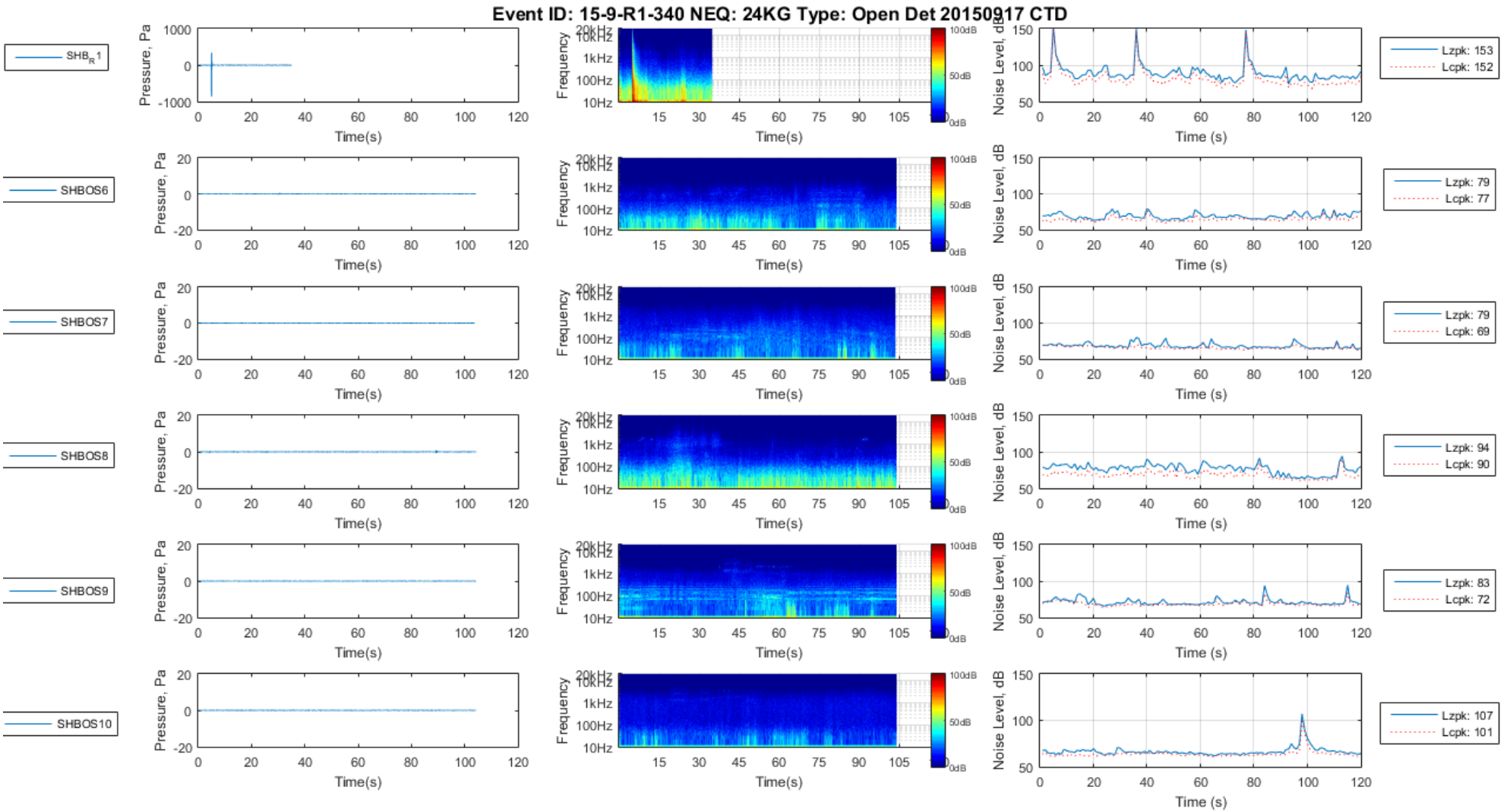


FIGURE 2.1162: SHB_OS 6 - 10 15-9-R1-340

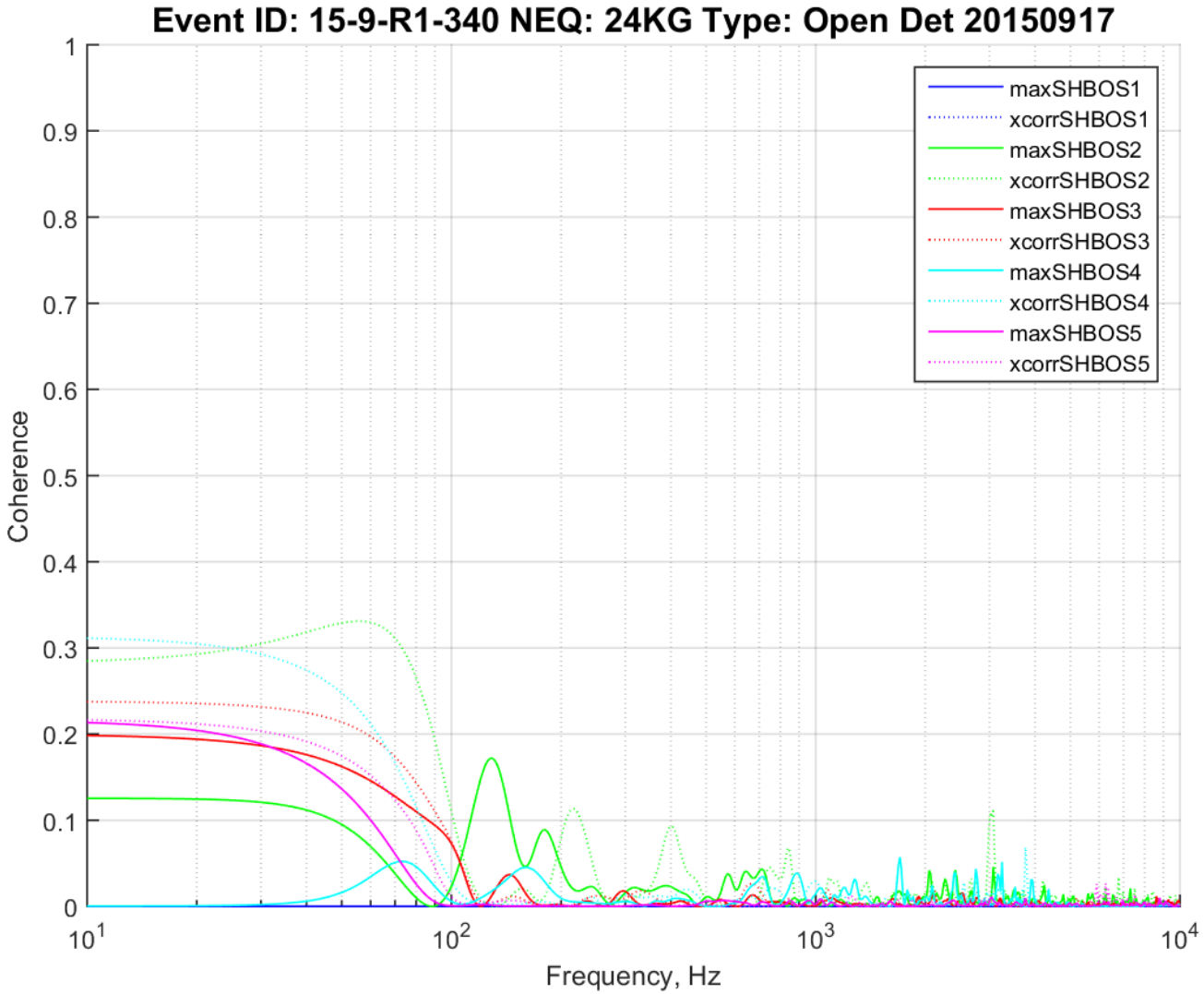


FIGURE 2.1163: COHERENCE SHB_OS 1 - 5 15-9-R1-340

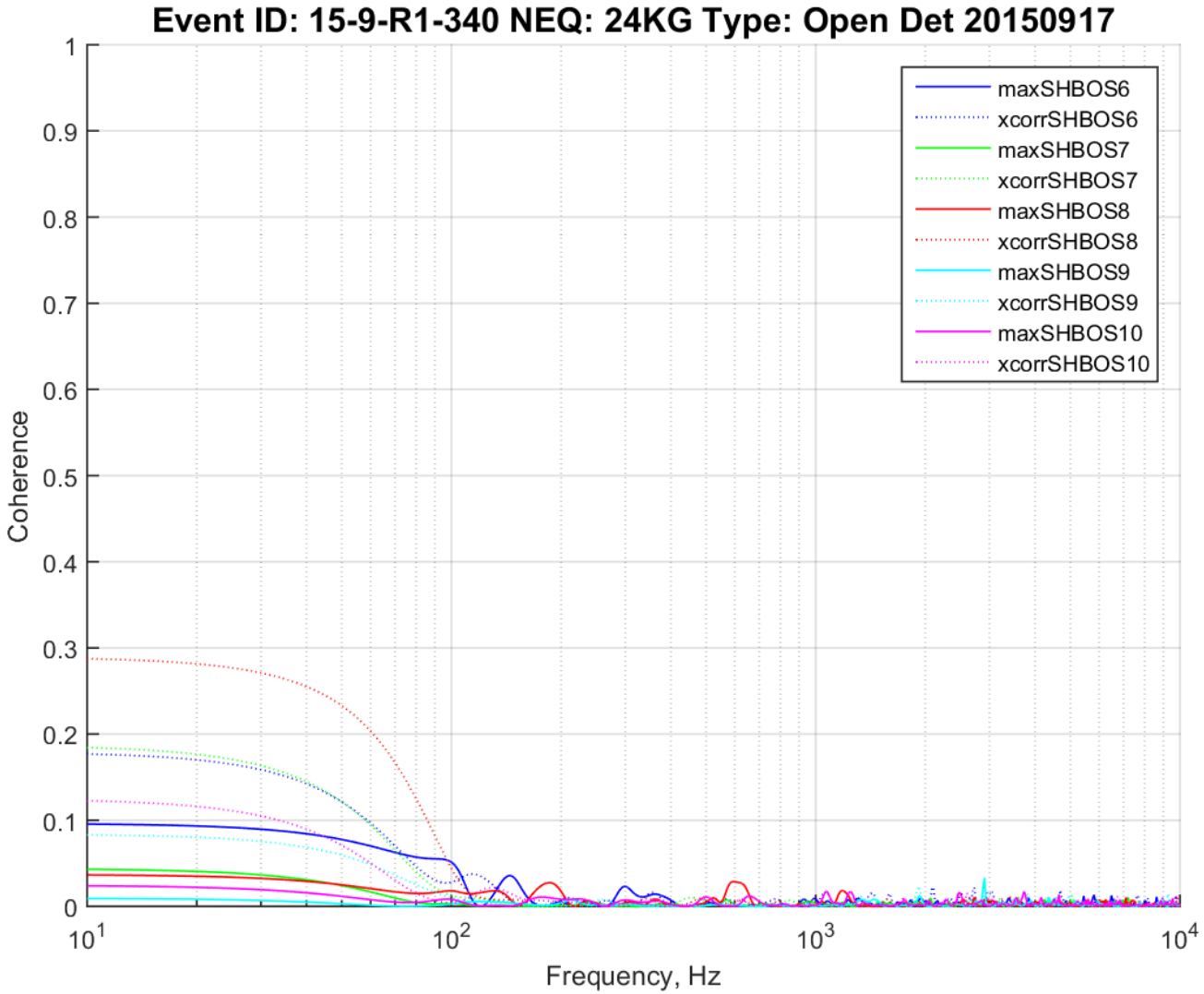


FIGURE 2.1164: COHERENCE SHB_OS 6 - 10 15-9-R1-340CTD

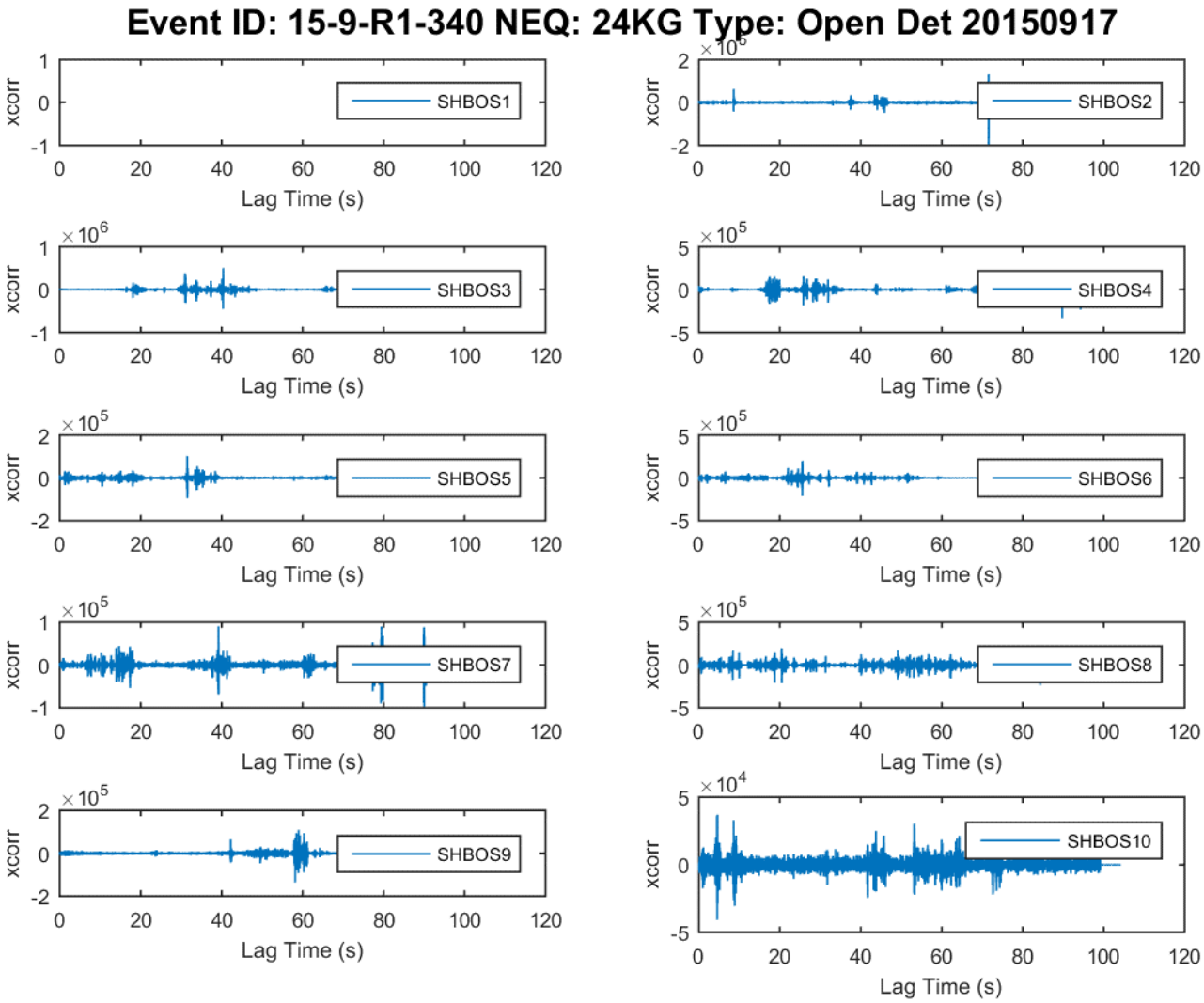


FIGURE 2.1165: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-340

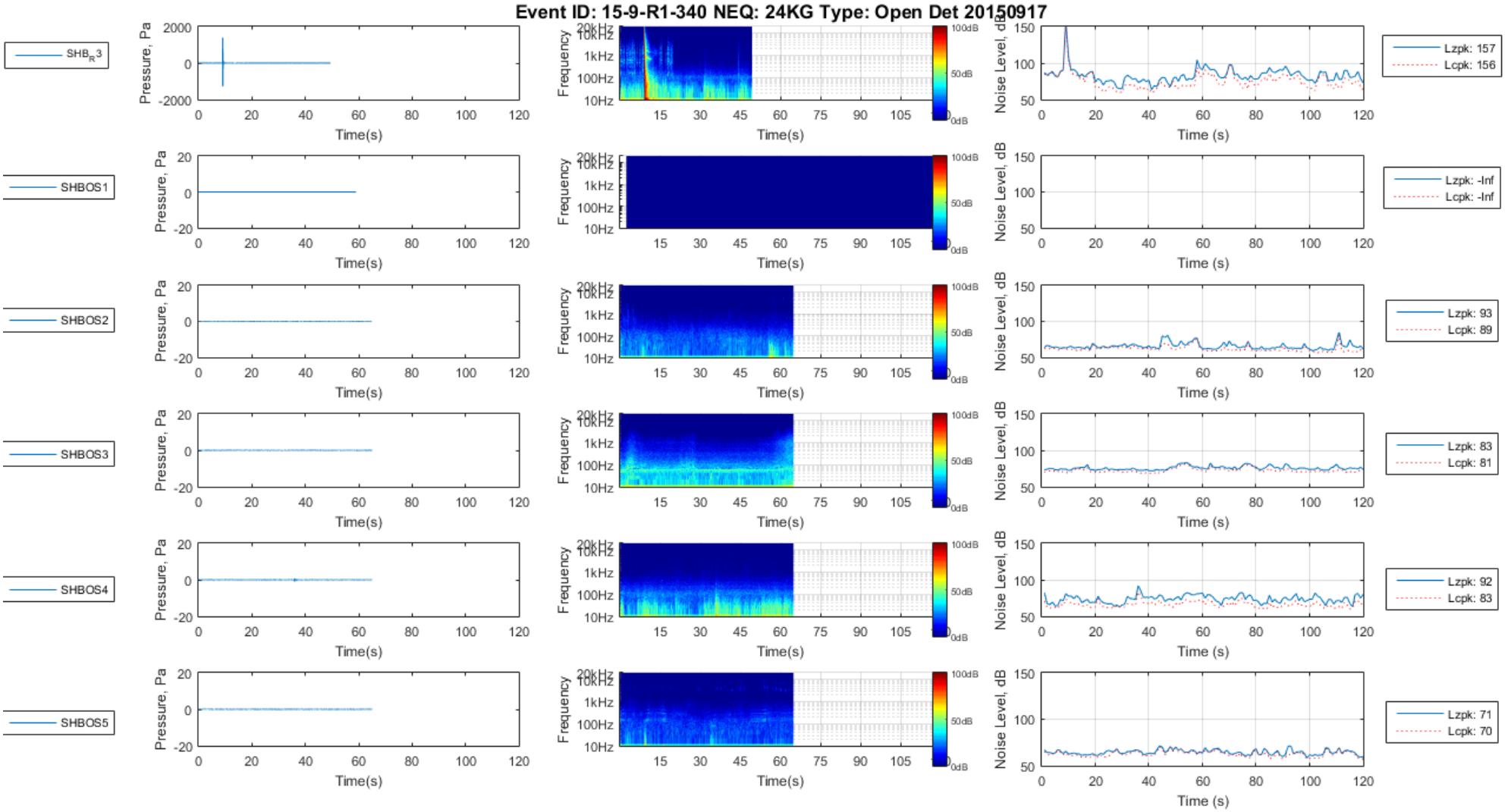


FIGURE 2.1166: SHB_OS 1 - 5 15-9-R1-340

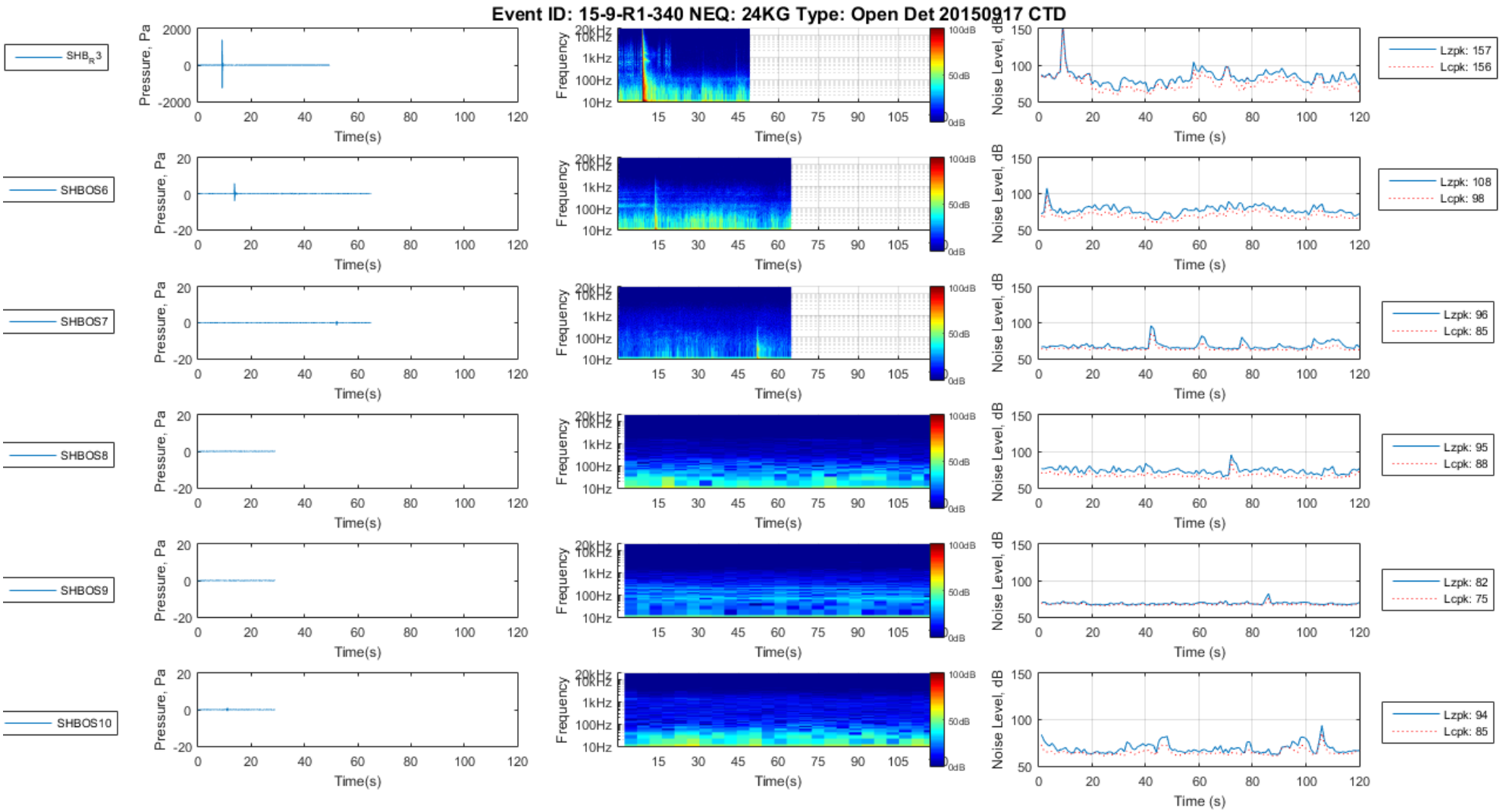


FIGURE 2.1167: SHB_OS 6 - 10 15-9-R1-340

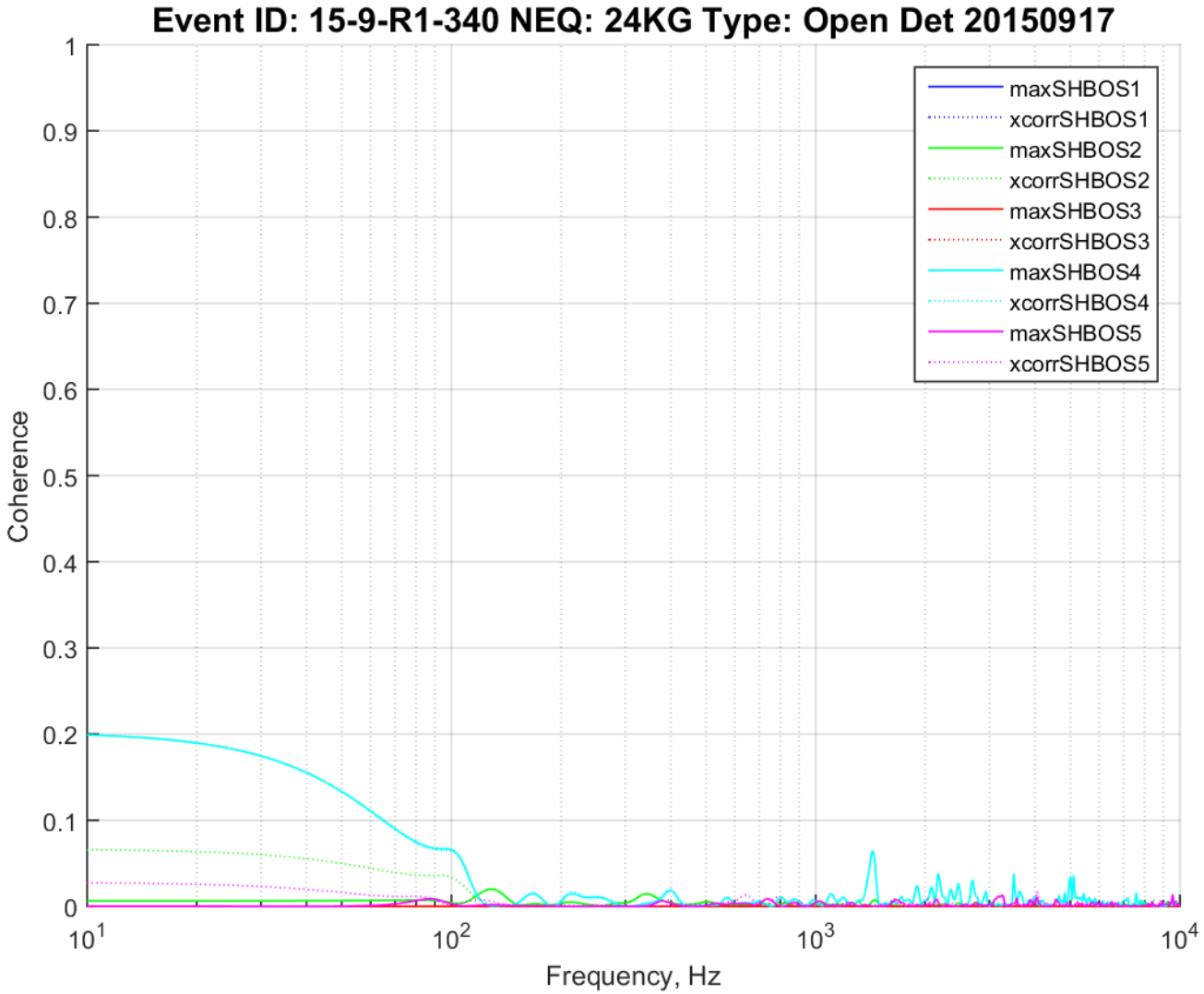


FIGURE 2.1168: COHERENCE SHB_OS 1 - 5 15-9-R1-340

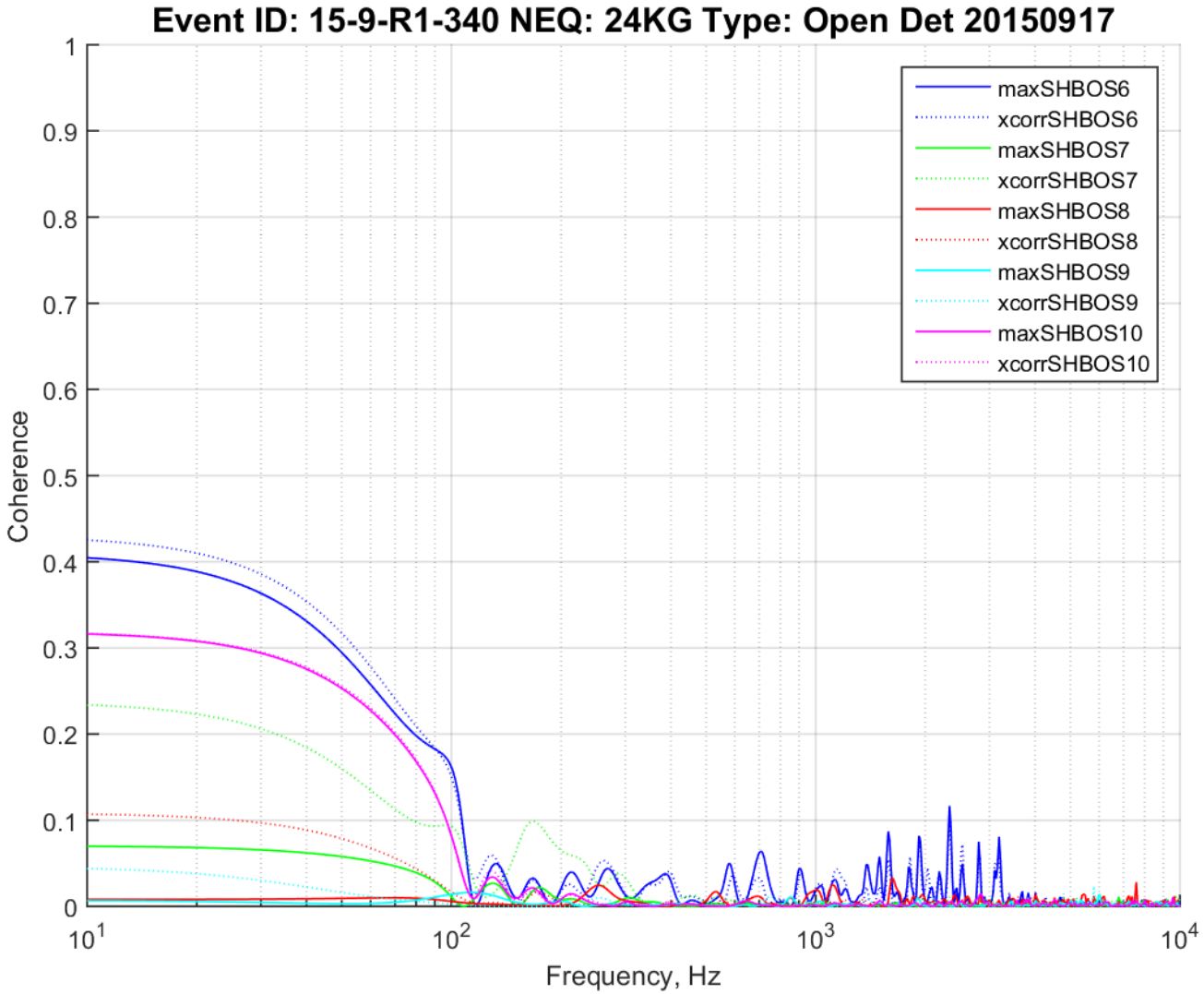


FIGURE 2.1169: COHERENCE SHB_OS 6 - 10 15-9-R1-340CTD

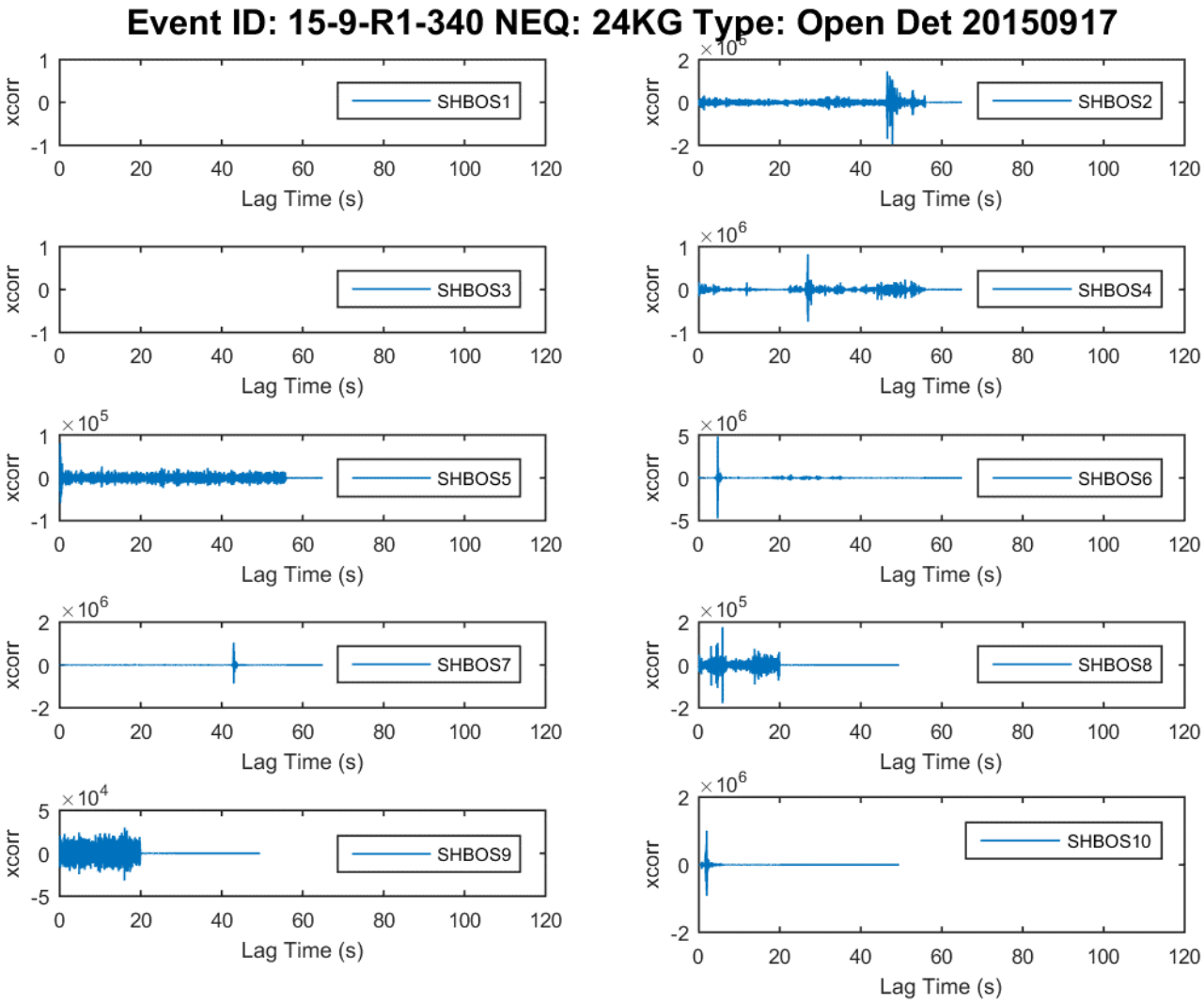


FIGURE 2.1170: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-340

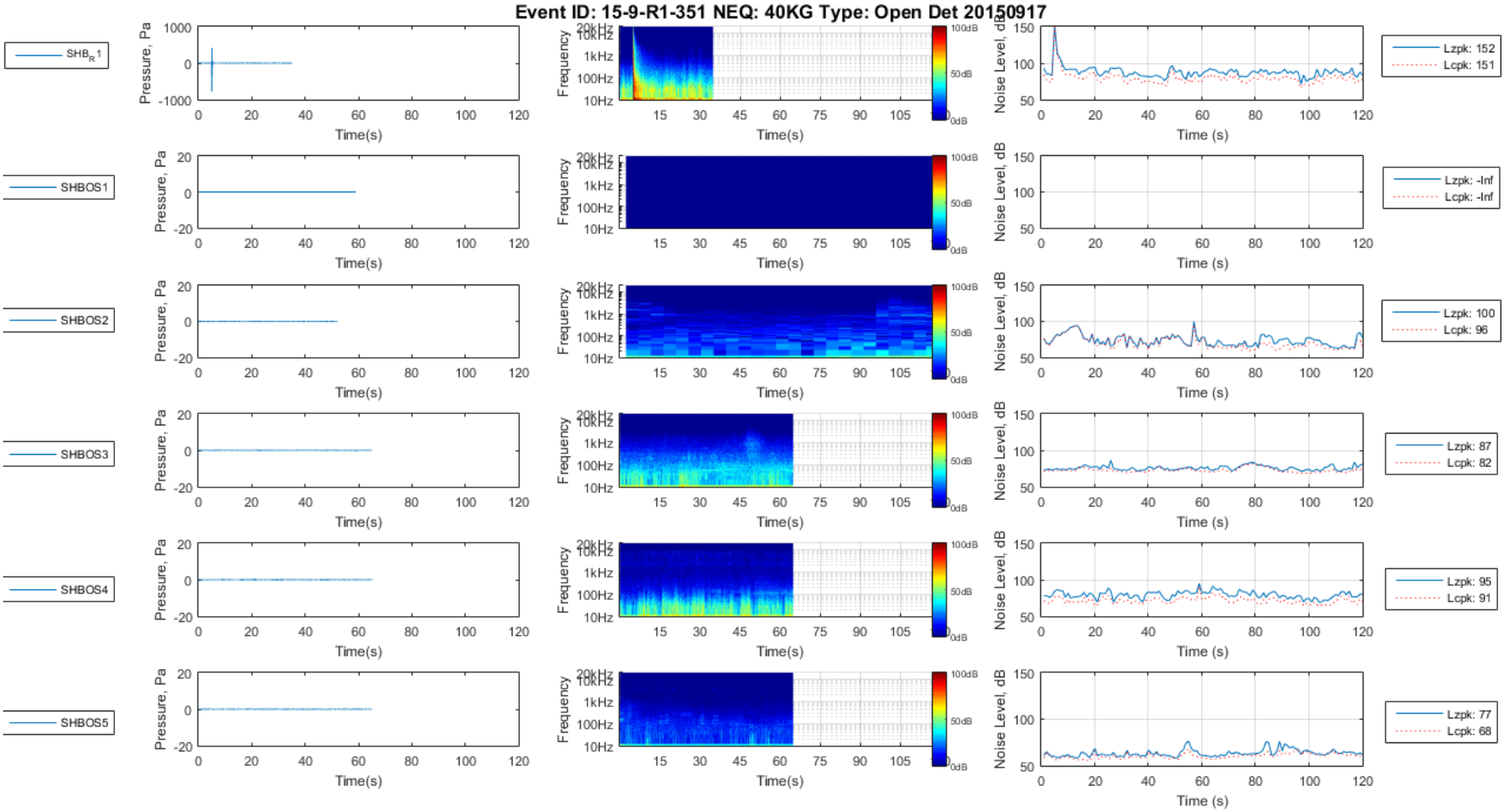


FIGURE 2.1171: SHB_OS 1 - 5 15-9-R1-351

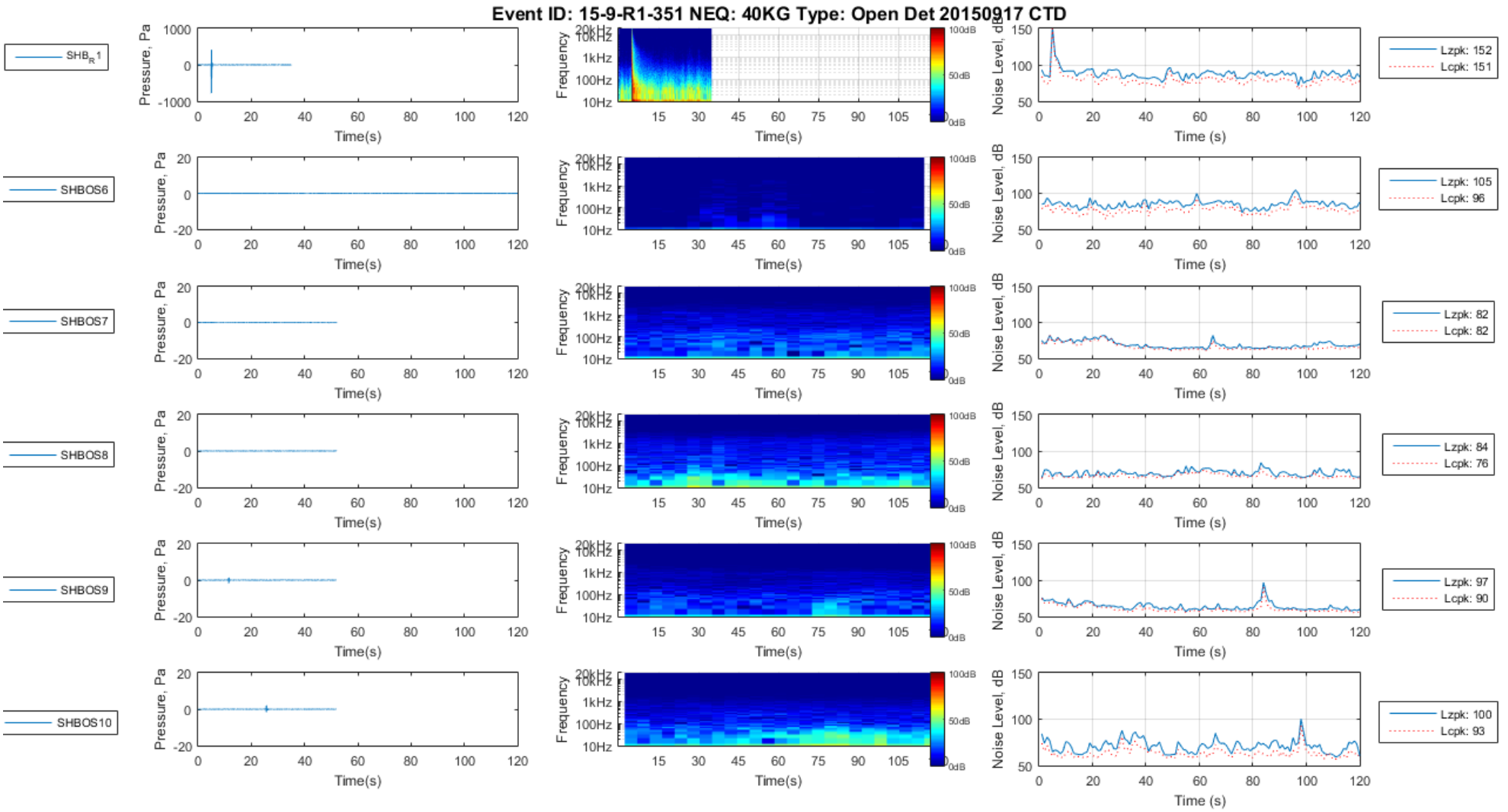


FIGURE 2.1172: SHB_OS 6 - 10 15-9-R1-351

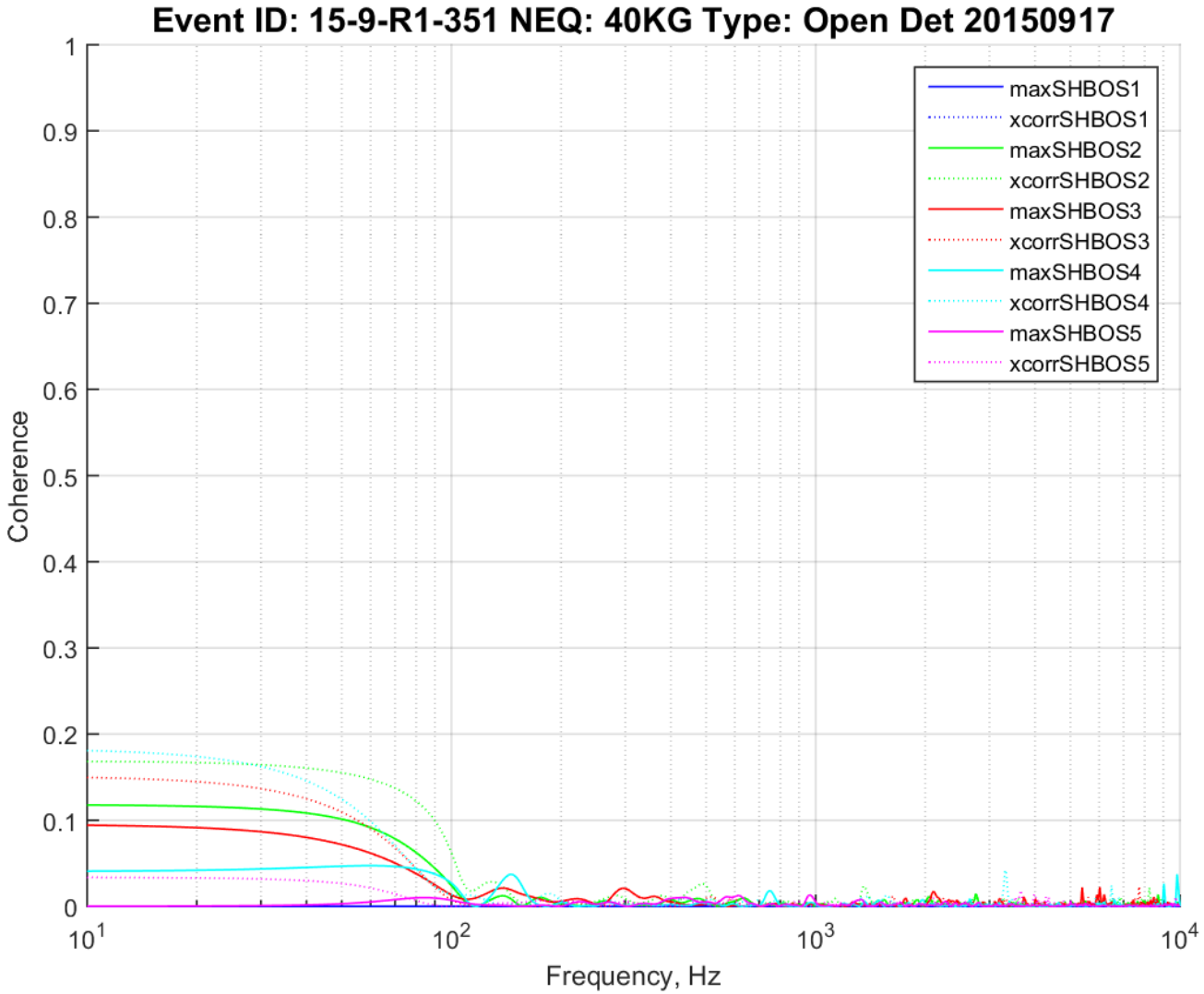


FIGURE 2.1173: COHERENCE SHB_OS 1 - 5 15-9-R1-351

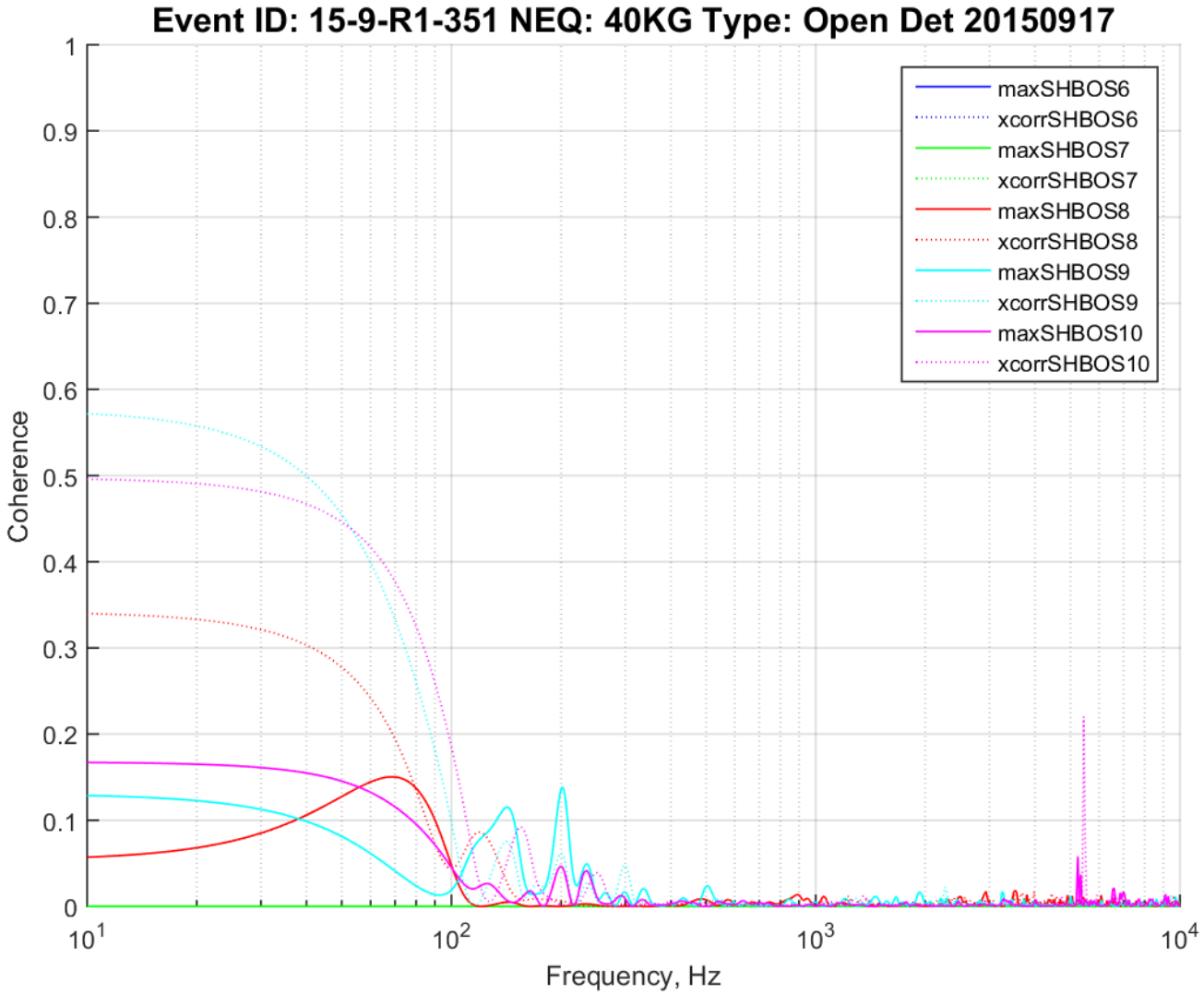


FIGURE 2.1174: COHERENCE SHB_OS 6 - 10 15-9-R1-351CTD

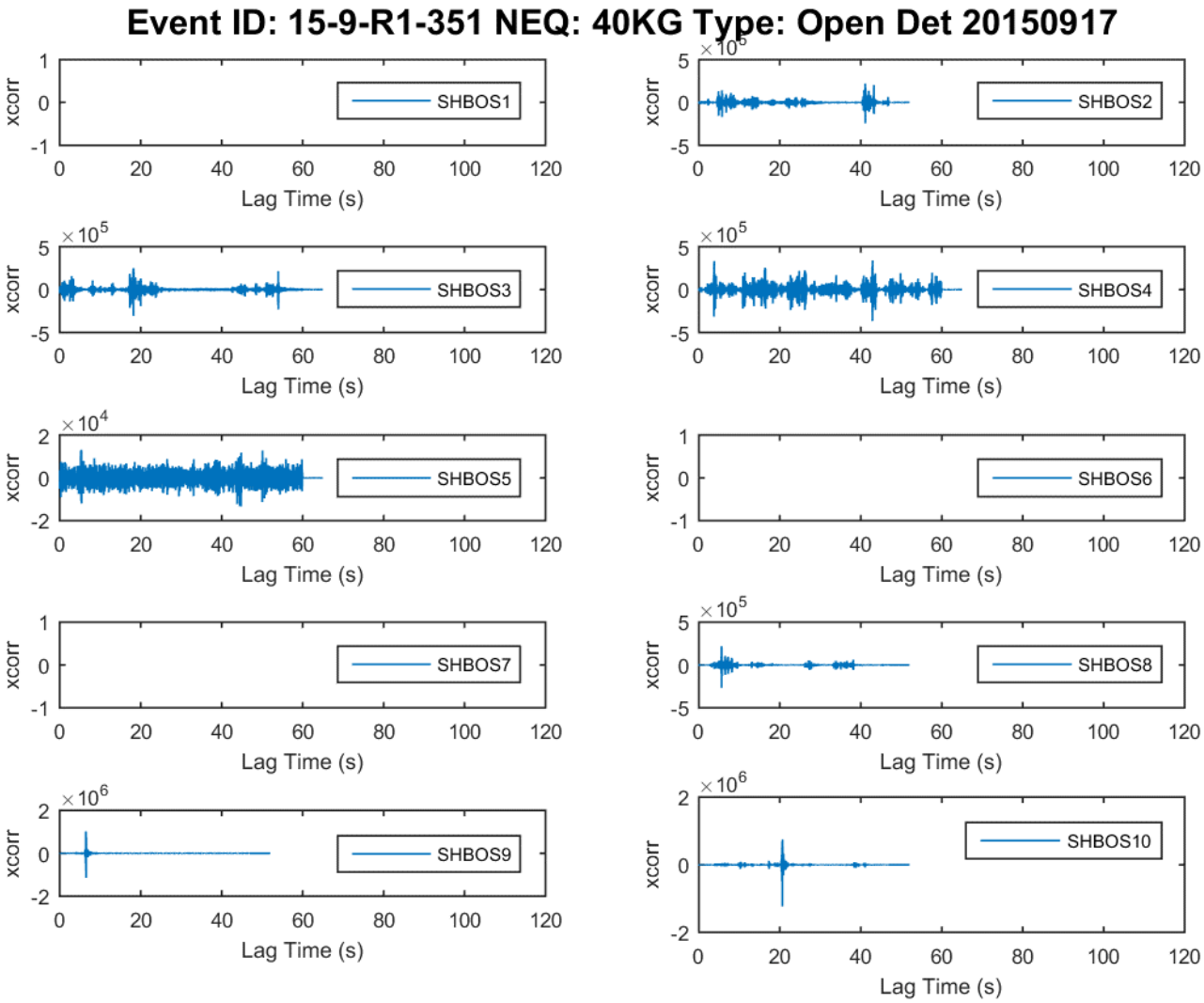


FIGURE 2.1175: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-351

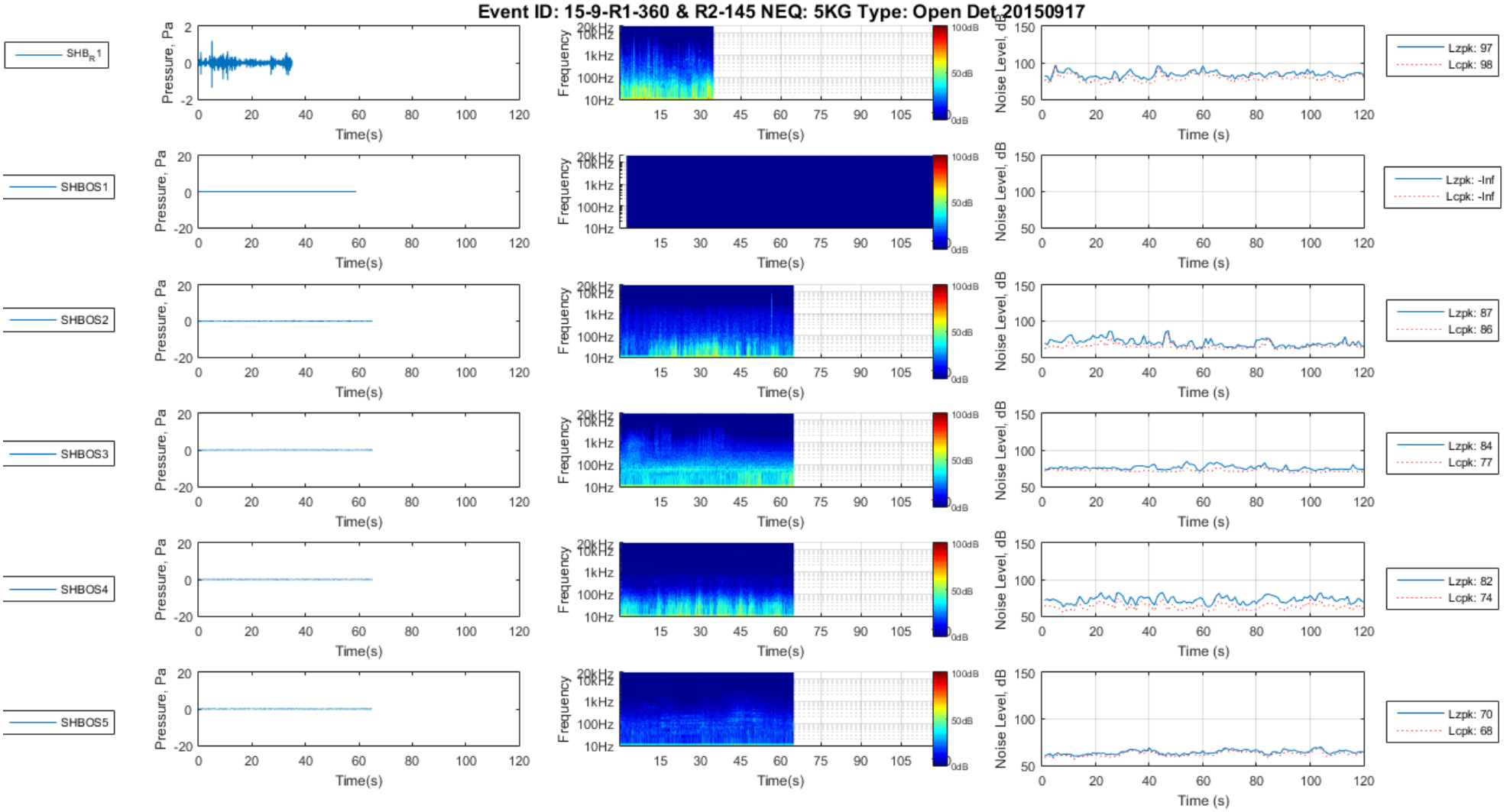


FIGURE 2.1176: SHB_OS 1 - 5 15-9-R1-360 & R2-145

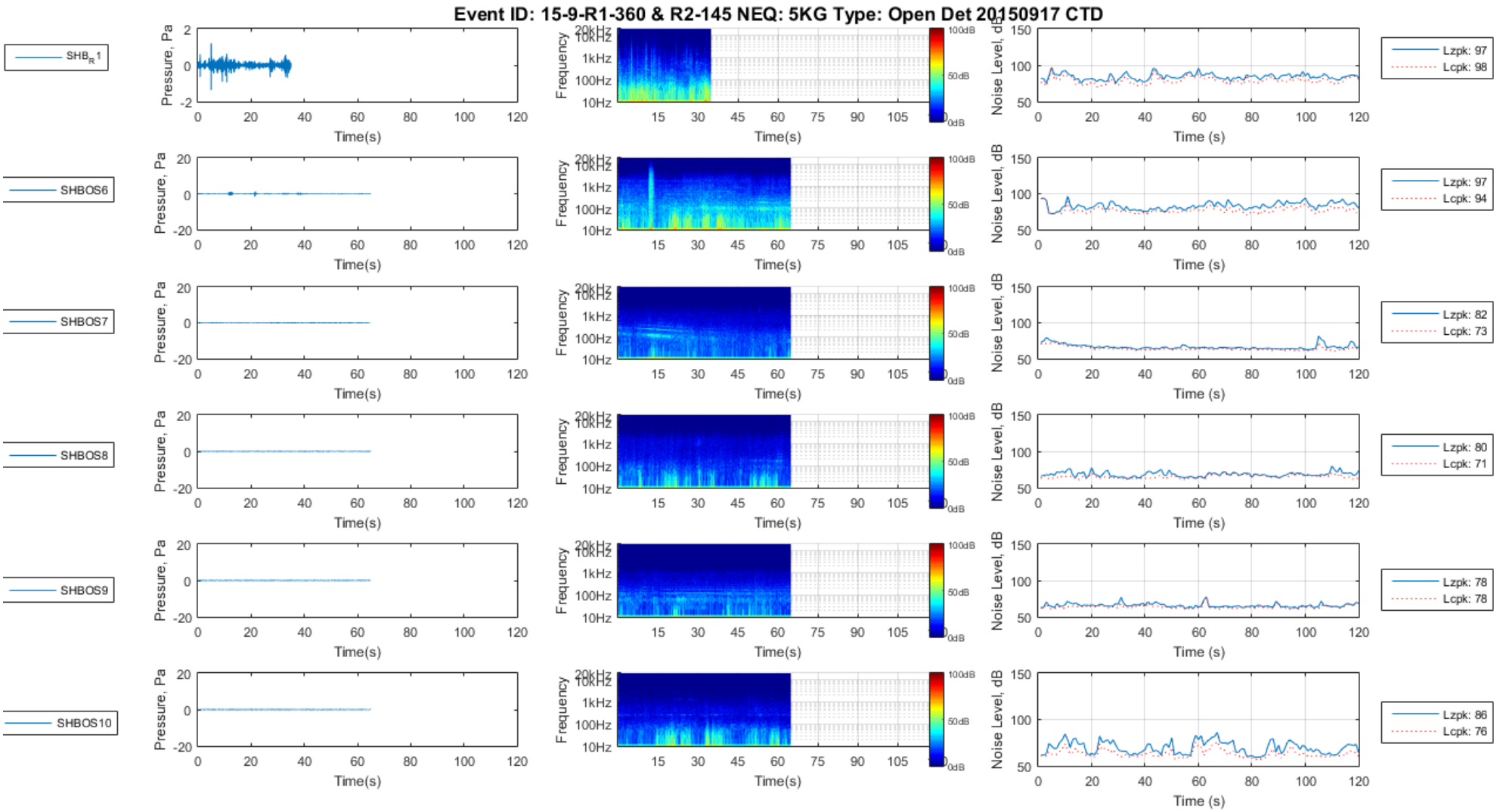


FIGURE 2.1177: SHB_OS 6 - 10 15-9-R1-360 & R2-145

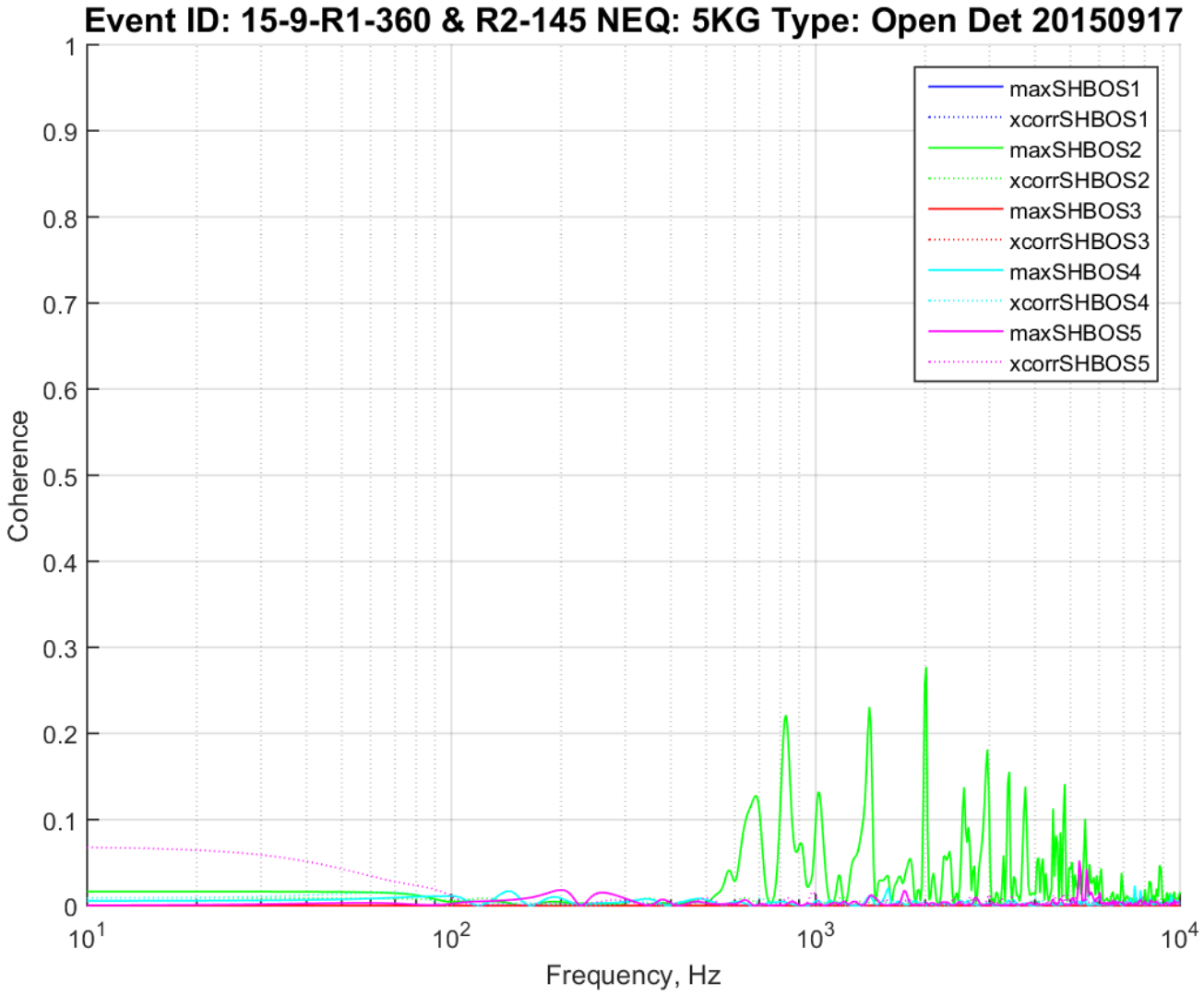


FIGURE 2.1178: COHERENCE SHB_OS 1 - 5 15-9-R1-360 & R2-145

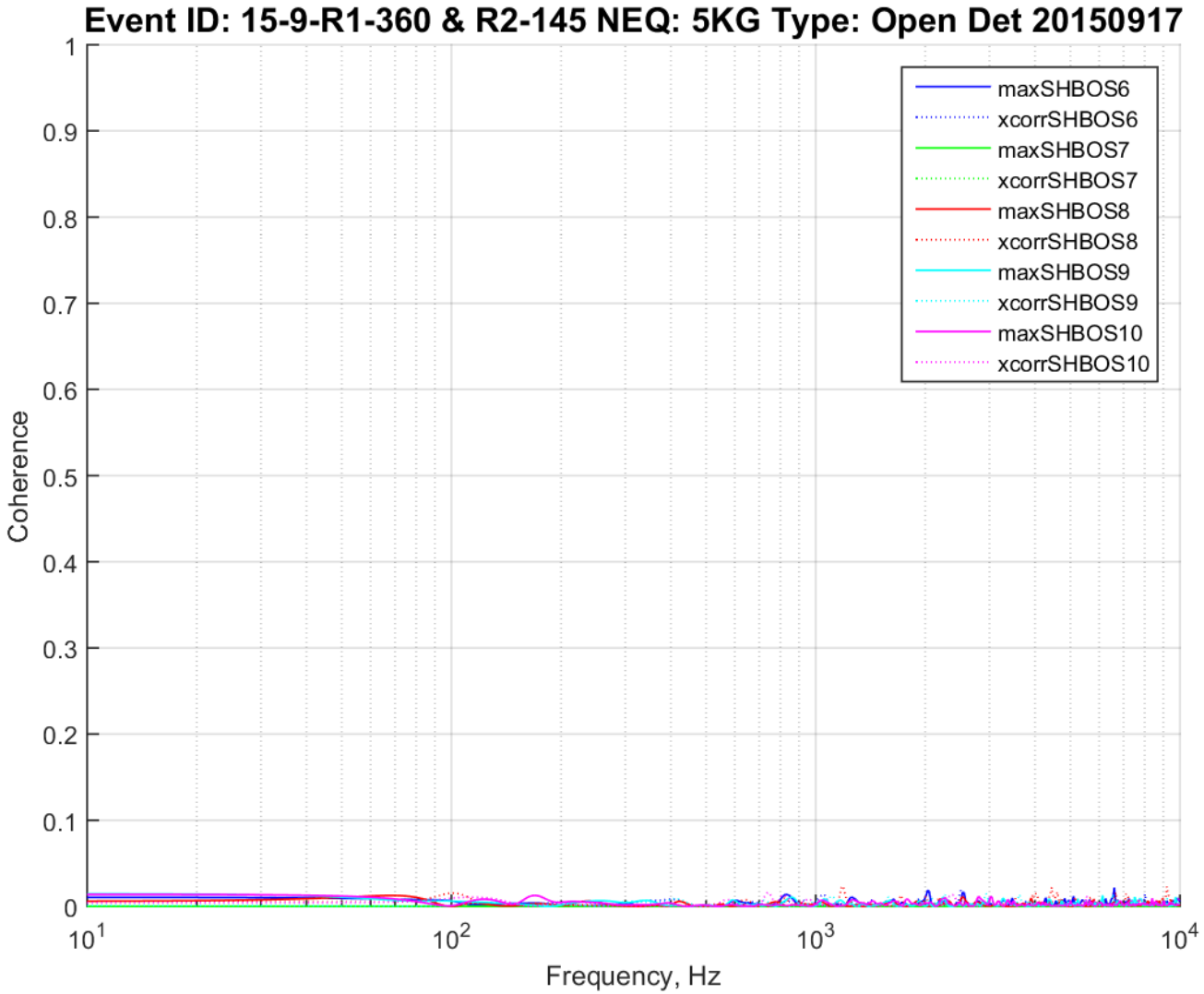


FIGURE 2.1179: COHERENCE SHB_OS 6 - 10 15-9-R1-360 & R2-145CTD

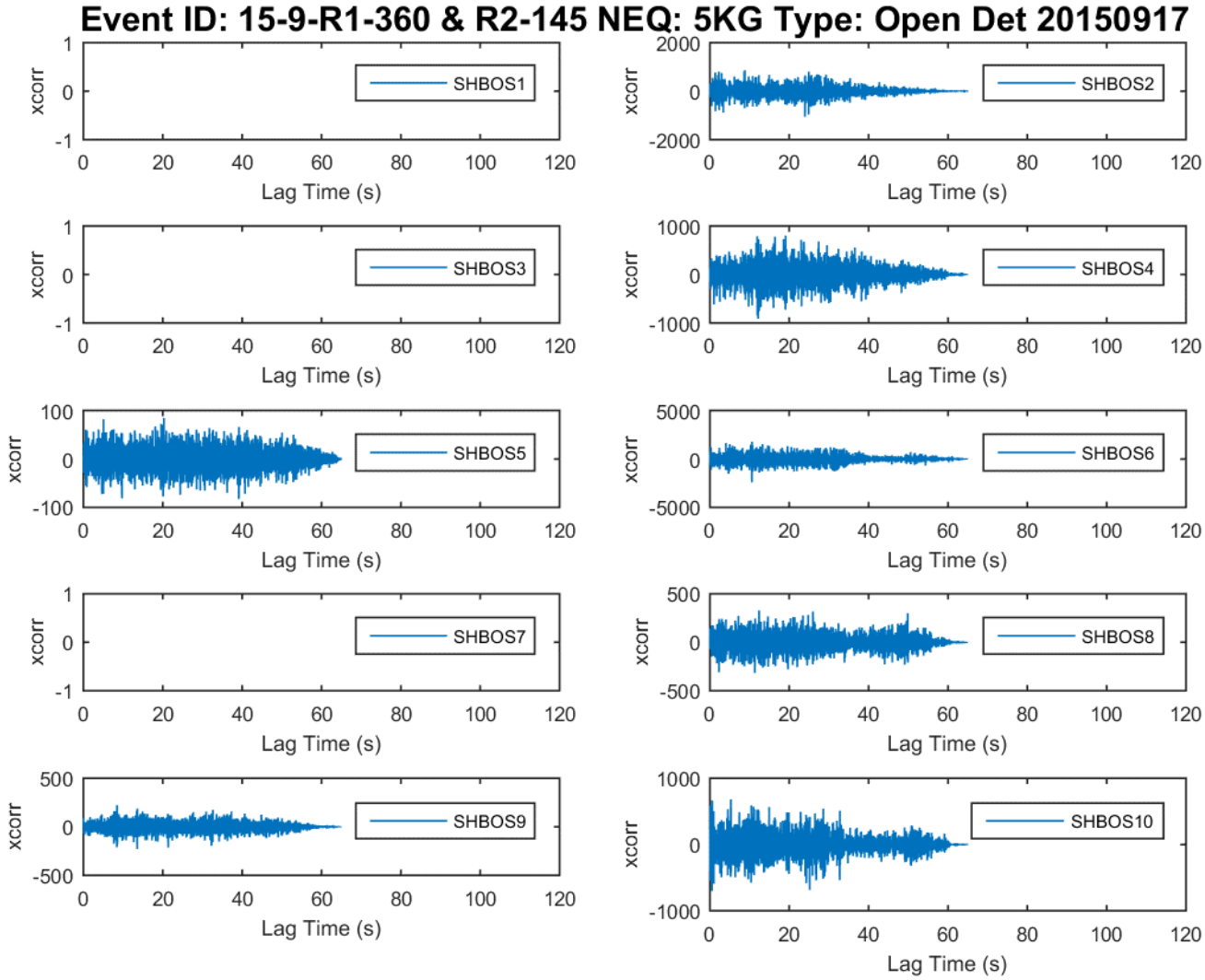


FIGURE 2.1180: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-360 & R2-145

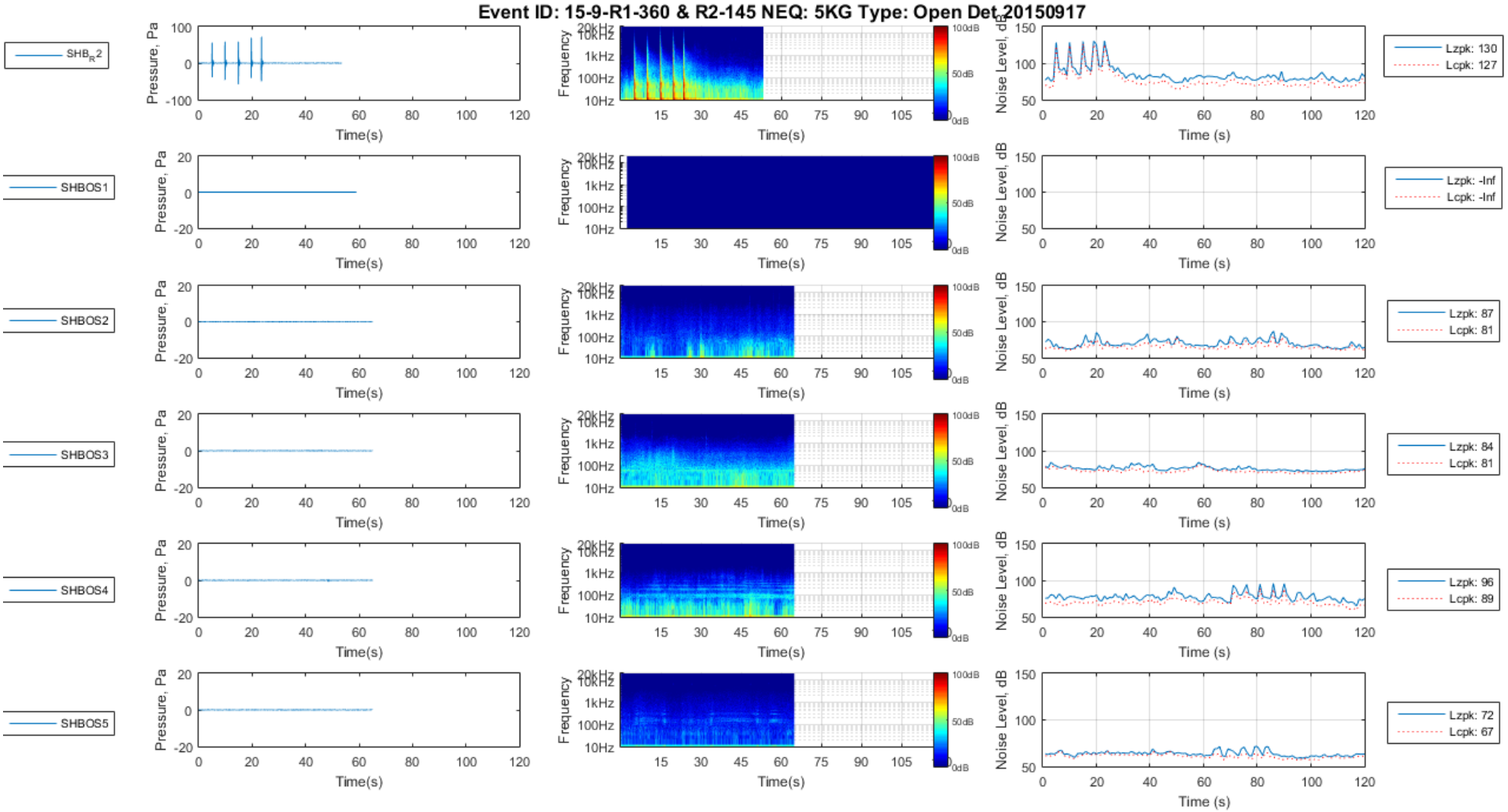


FIGURE 2.1181: SHB_OS 1 - 5 15-9-R1-360 & R2-145

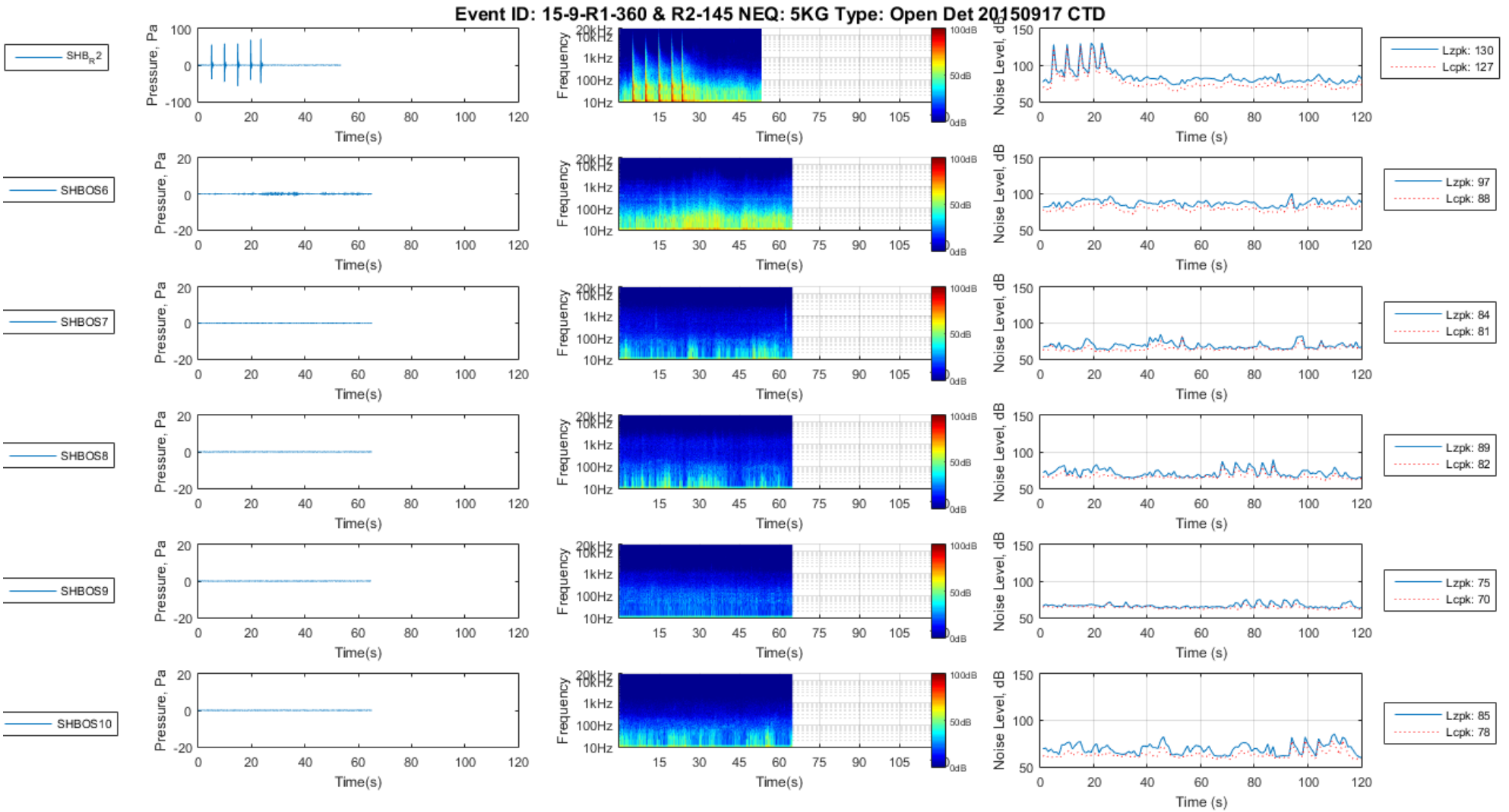


FIGURE 2.1182: SHB_OS 6 - 10 15-9-R1-360 & R2-145

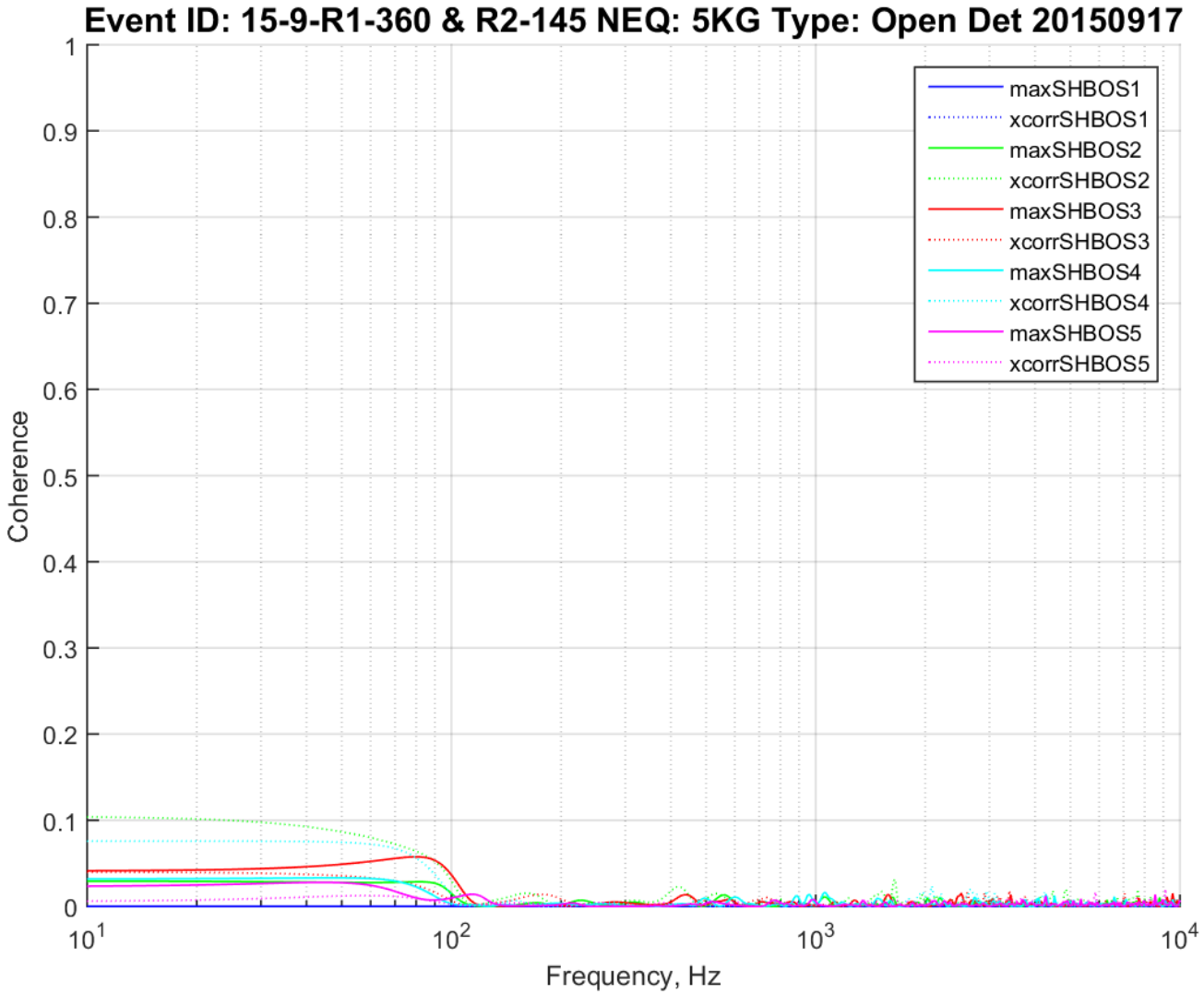


FIGURE 2.1183: COHERENCE SHB_OS 1 - 5 15-9-R1-360 & R2-145

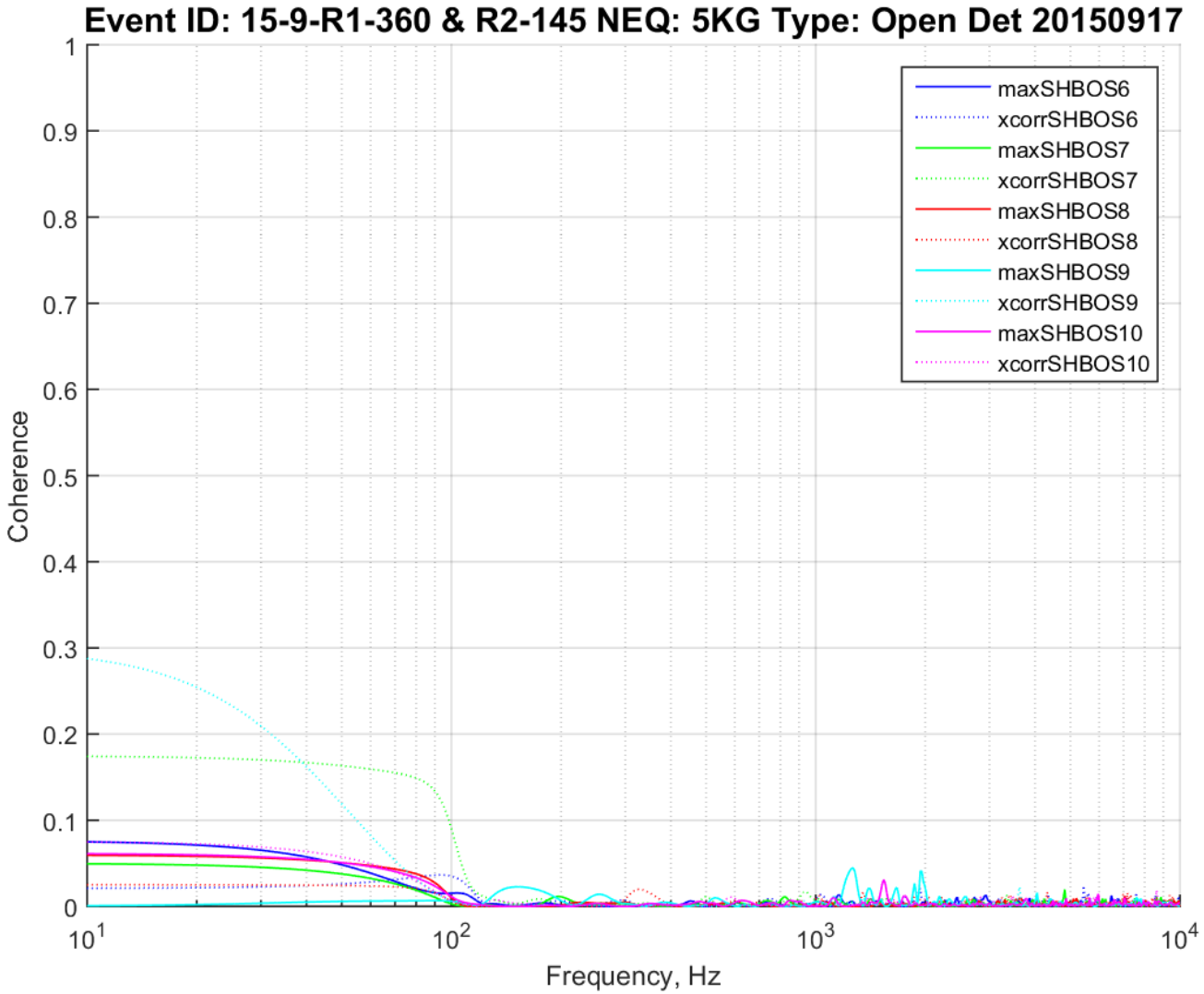


FIGURE 2.1184: COHERENCE SHB_OS 6 - 10 15-9-R1-360 & R2-145CTD

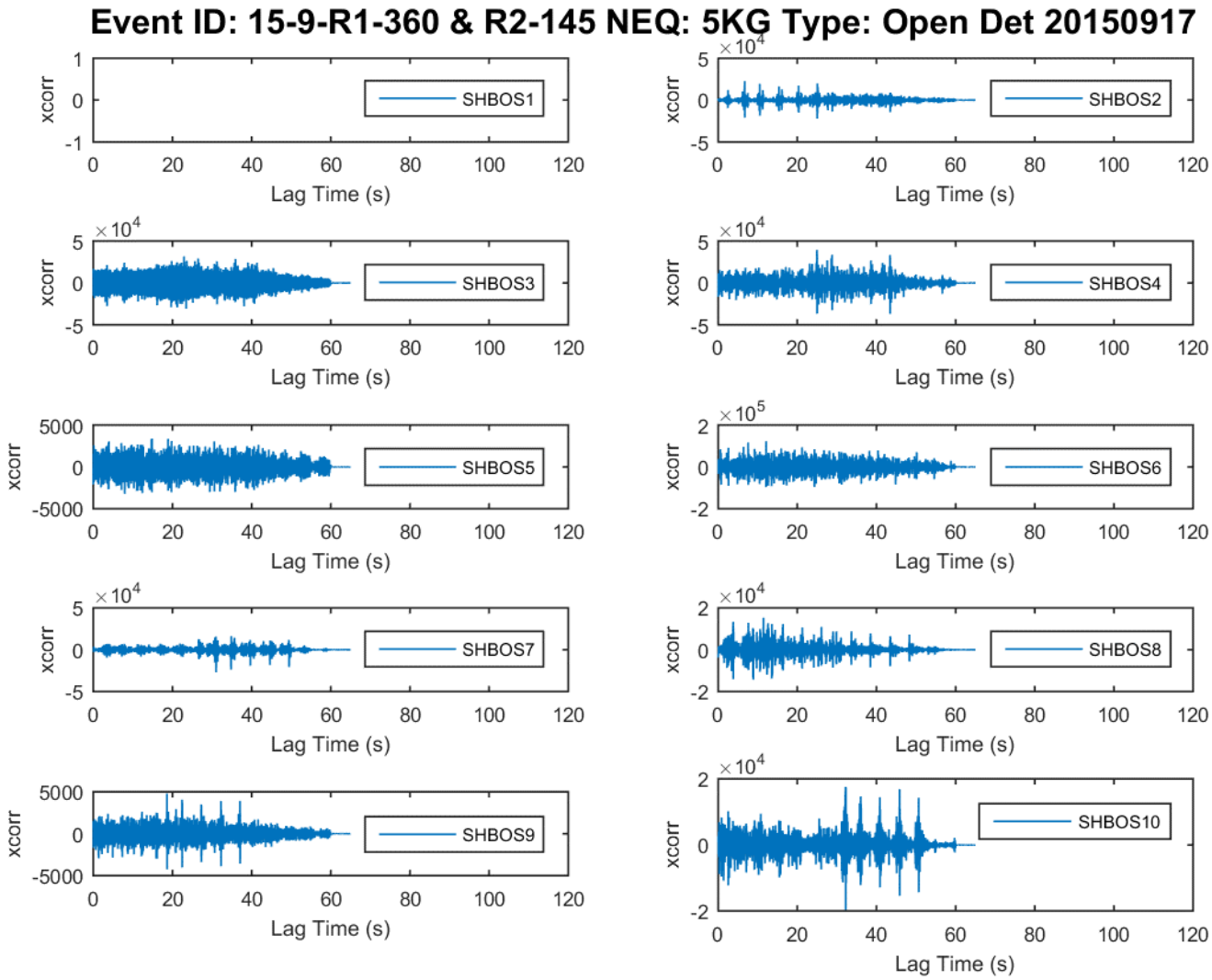


FIGURE 2.1185: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-360 & R2-145

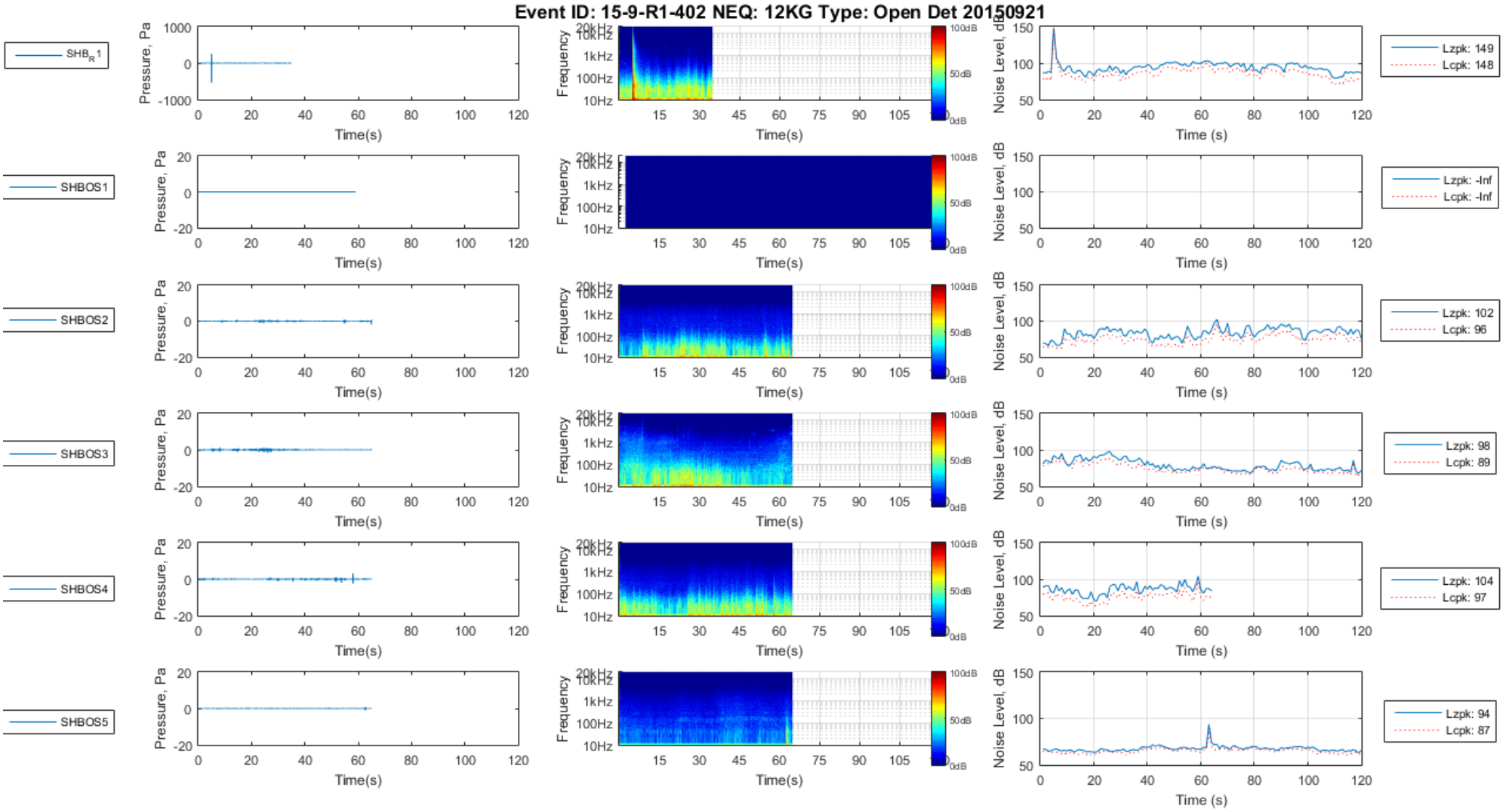


FIGURE 2.1186: SHB_OS 1 - 5 15-9-R1-402

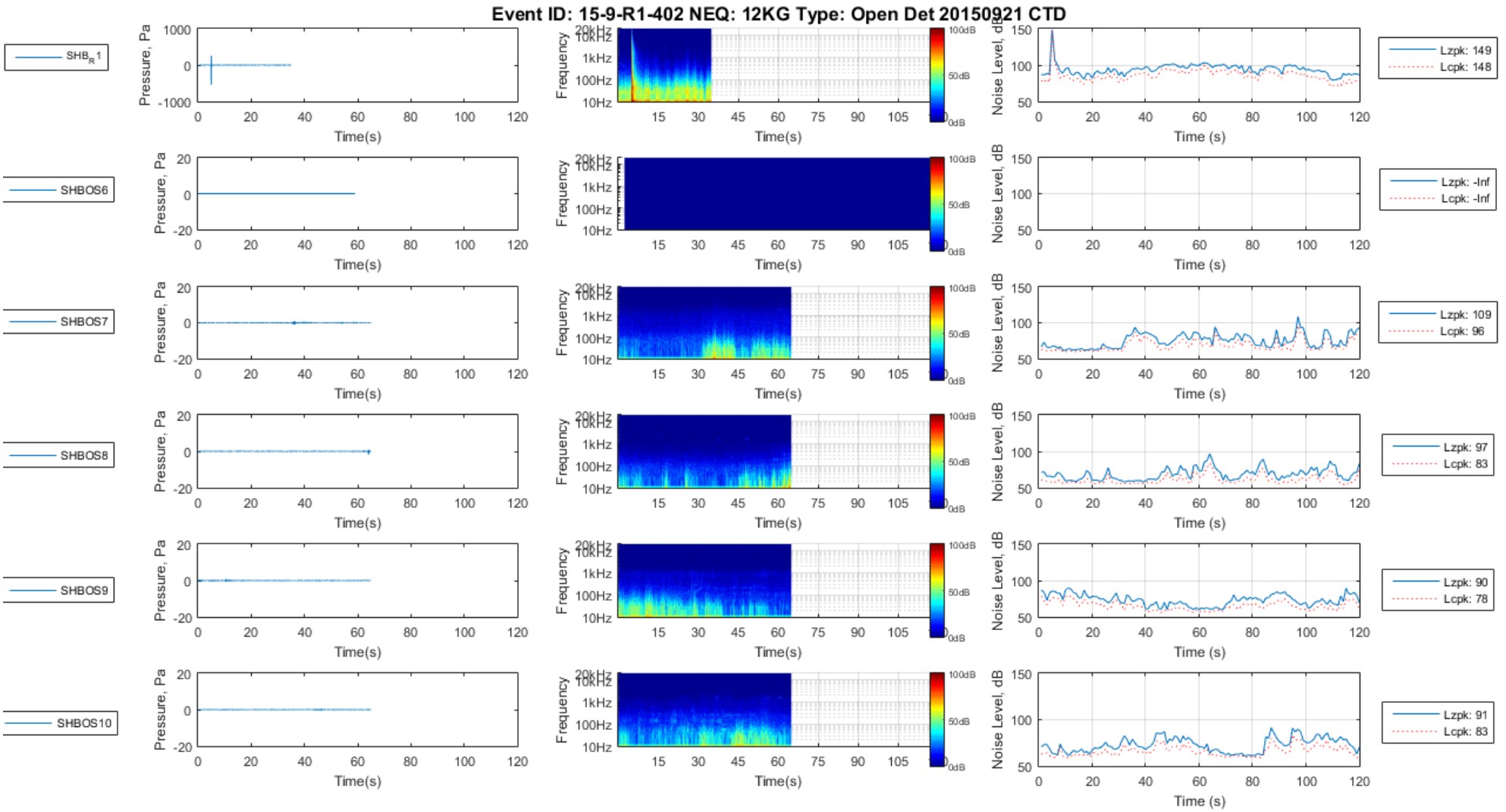


FIGURE 2.1187: SHB_OS 6 - 10 15-9-R1-402

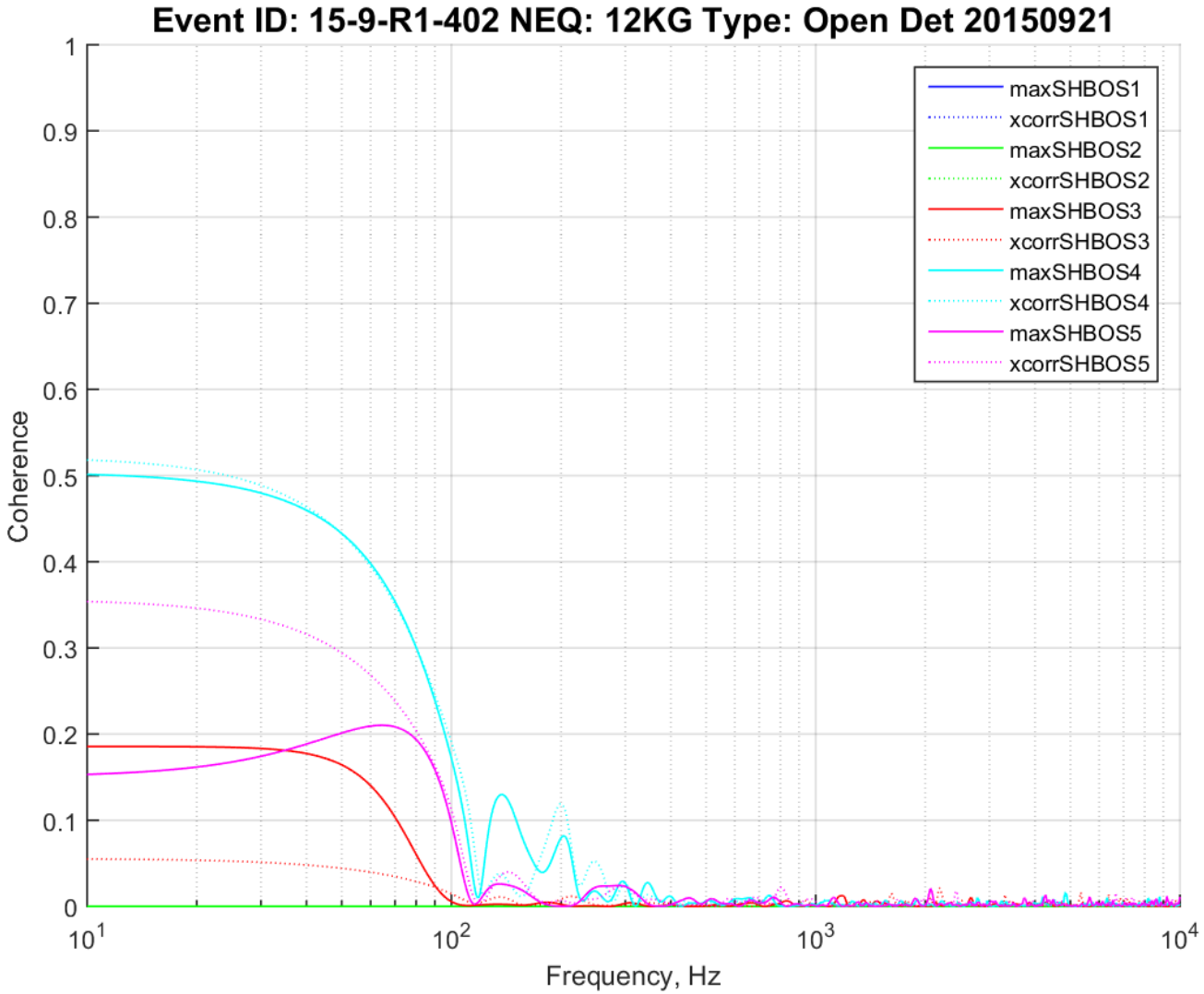


FIGURE 2.1188: COHERENCE SHB_OS 1 - 5 15-9-R1-402

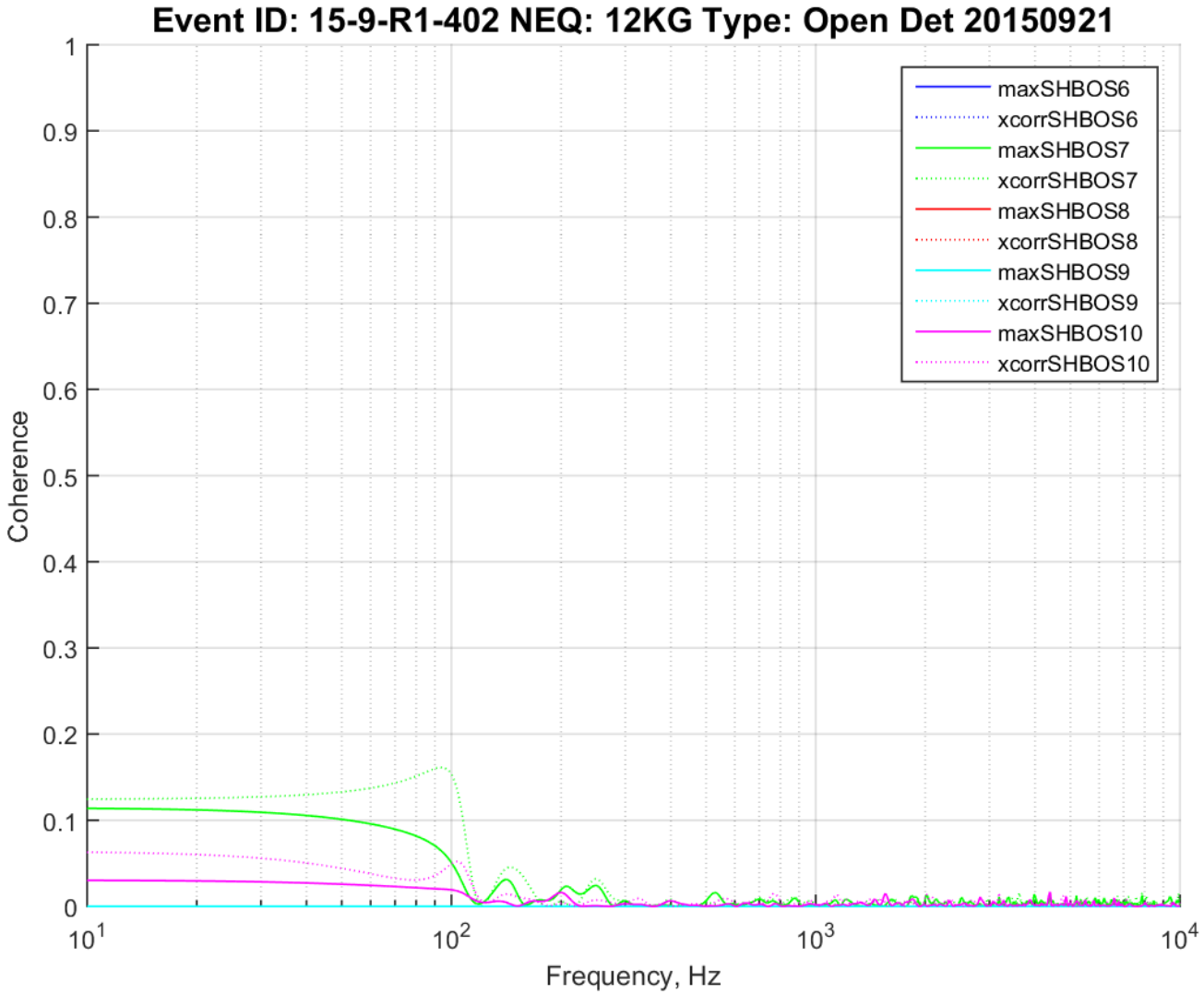


FIGURE 2.1189: COHERENCE SHB_OS 6 - 10 15-9-R1-402CTD

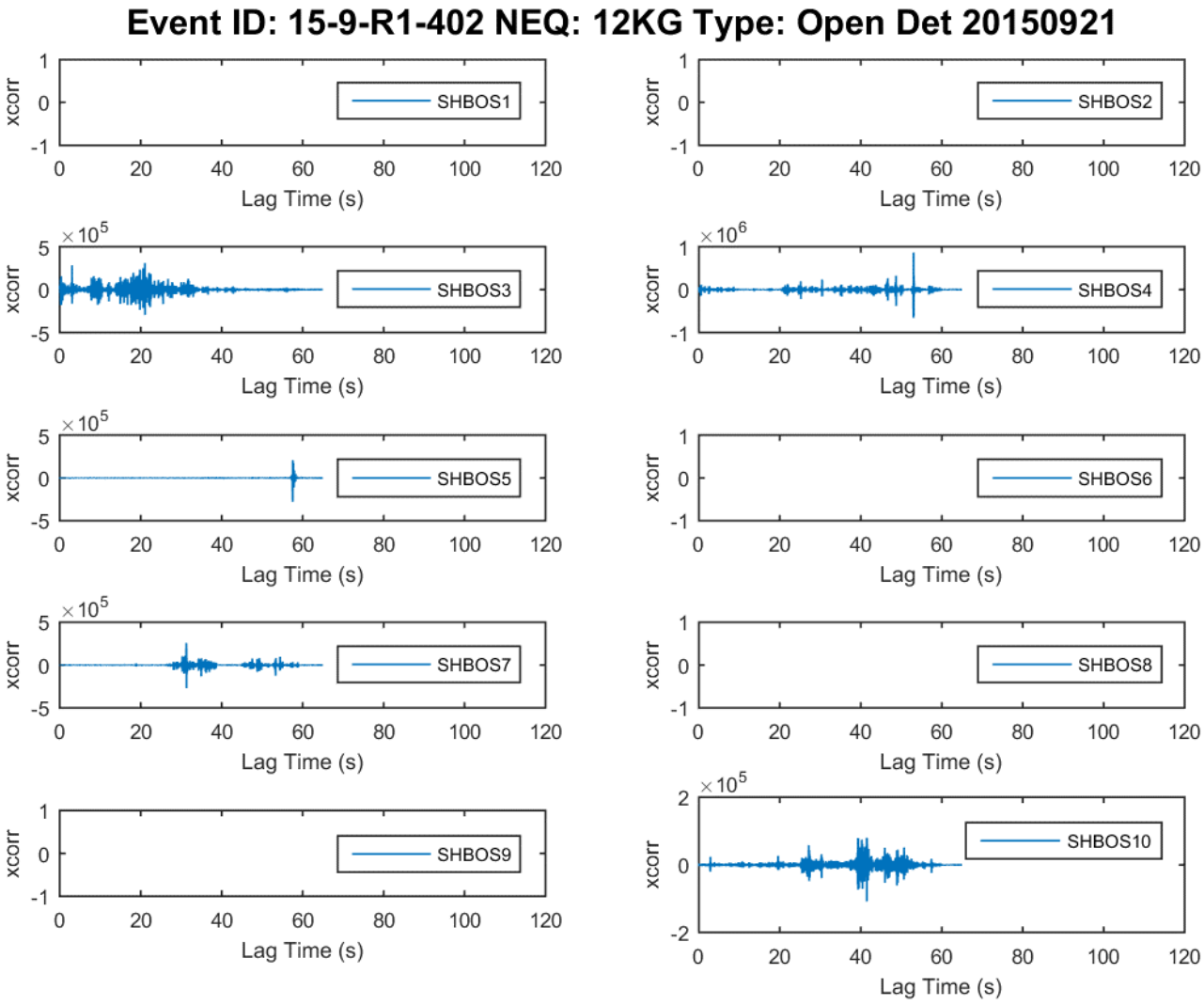


FIGURE 2.1190: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-402

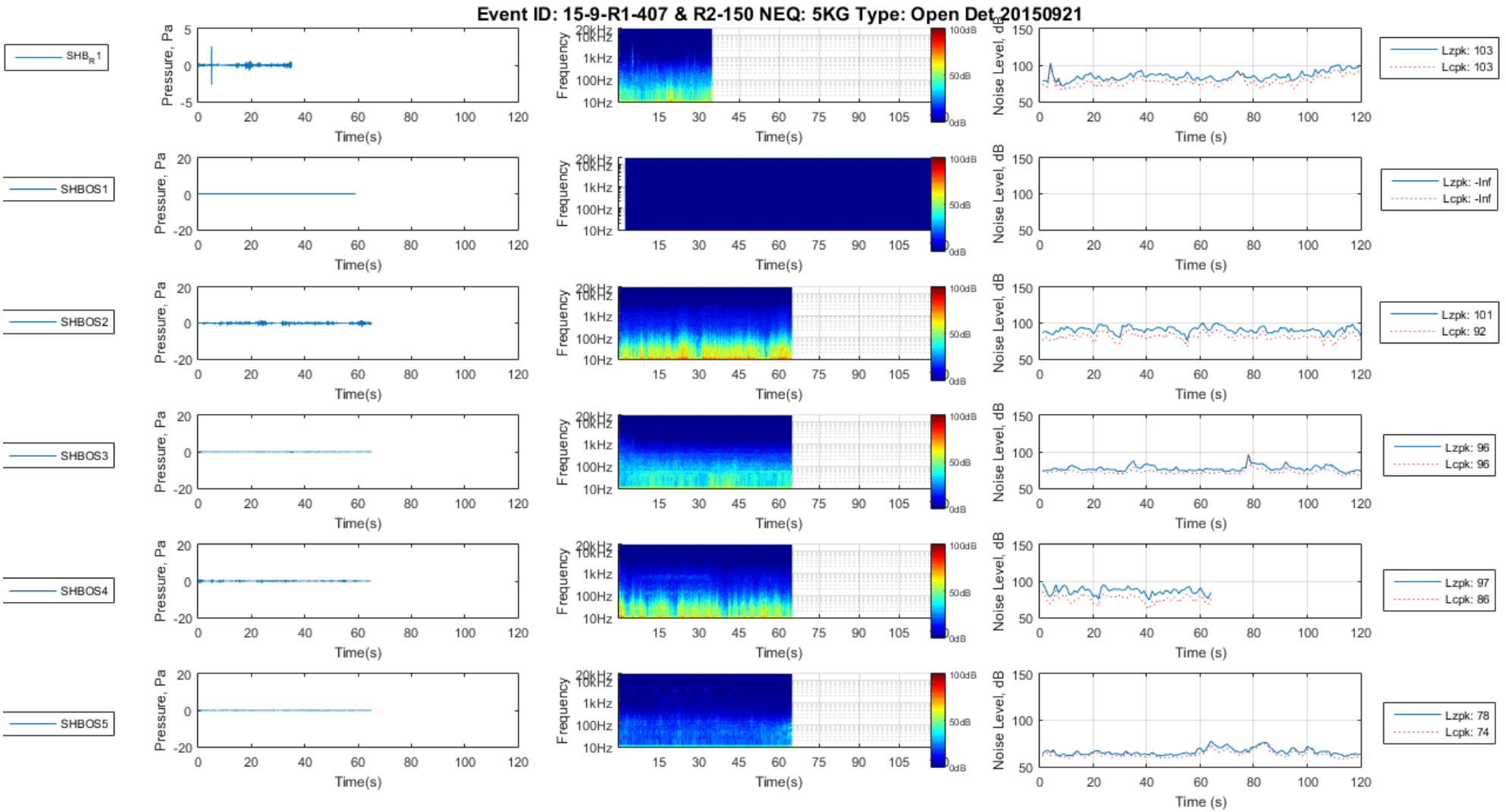


FIGURE 2.1191: SHB_OS 1 - 5 15-9-R1-407 & R2-150

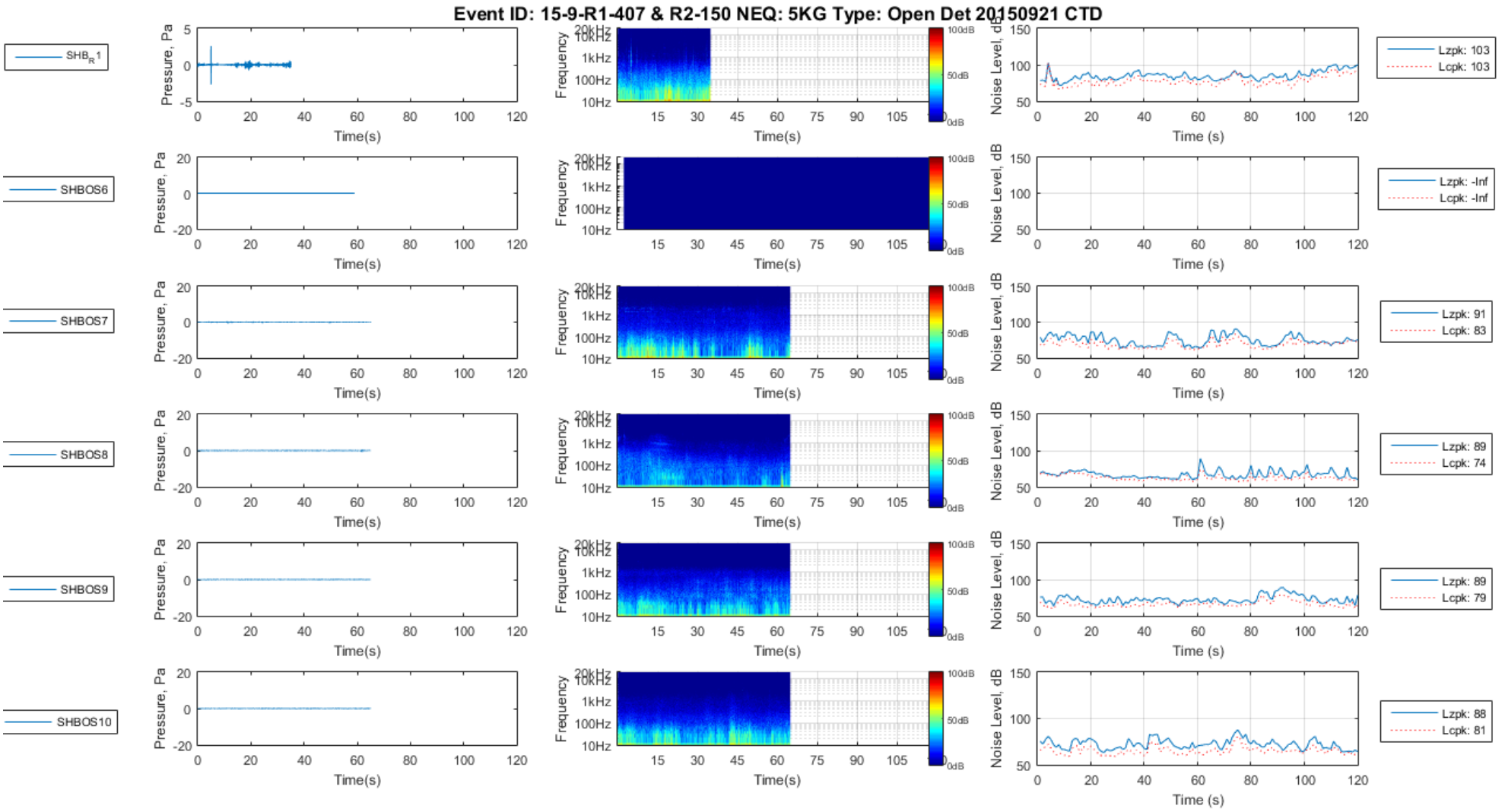


FIGURE 2.1192: SHB_OS 6 - 10 15-9-R1-407 & R2-150

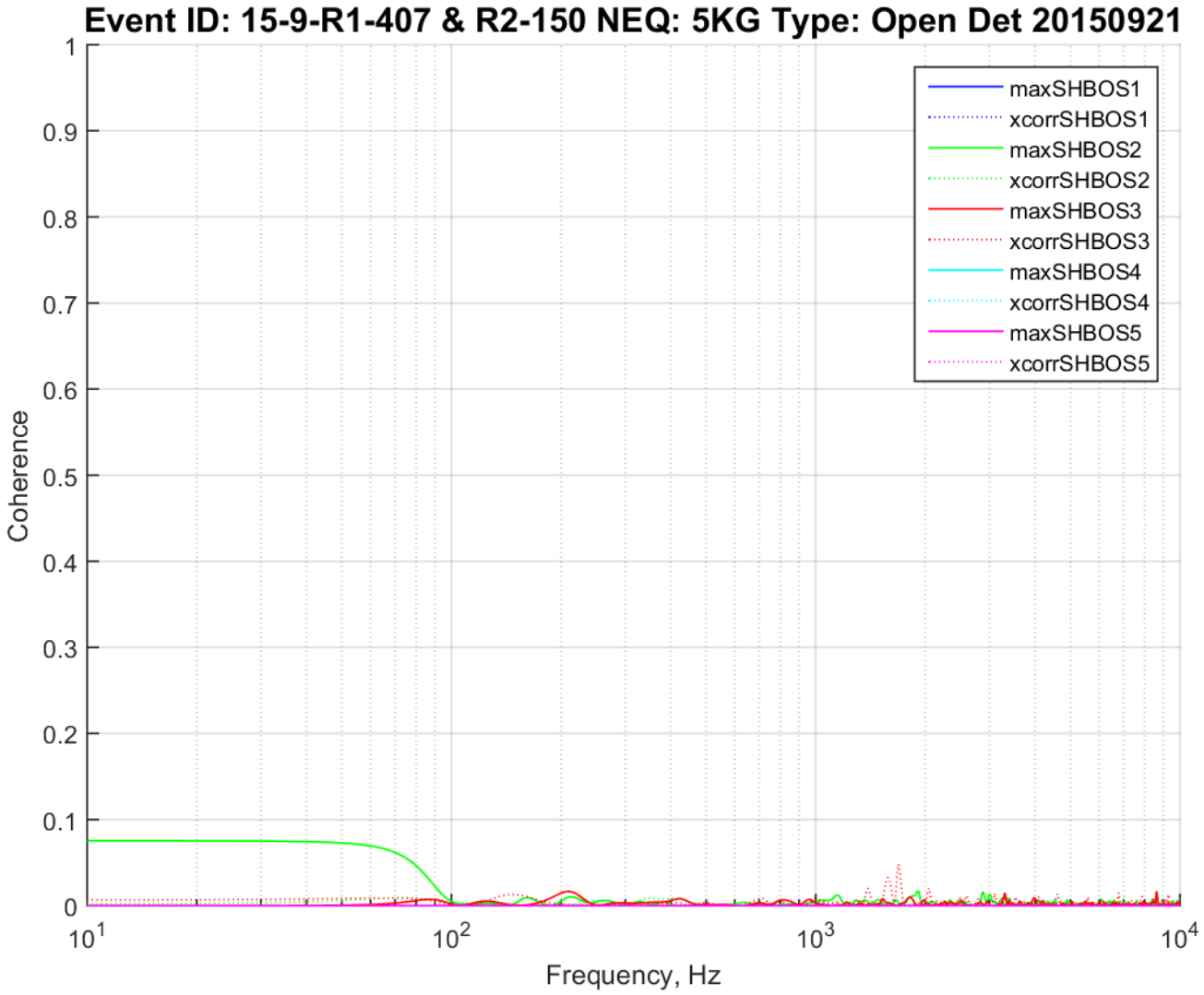


FIGURE 2.1193: COHERENCE SHB_OS 1 - 5 15-9-R1-407 & R2-150

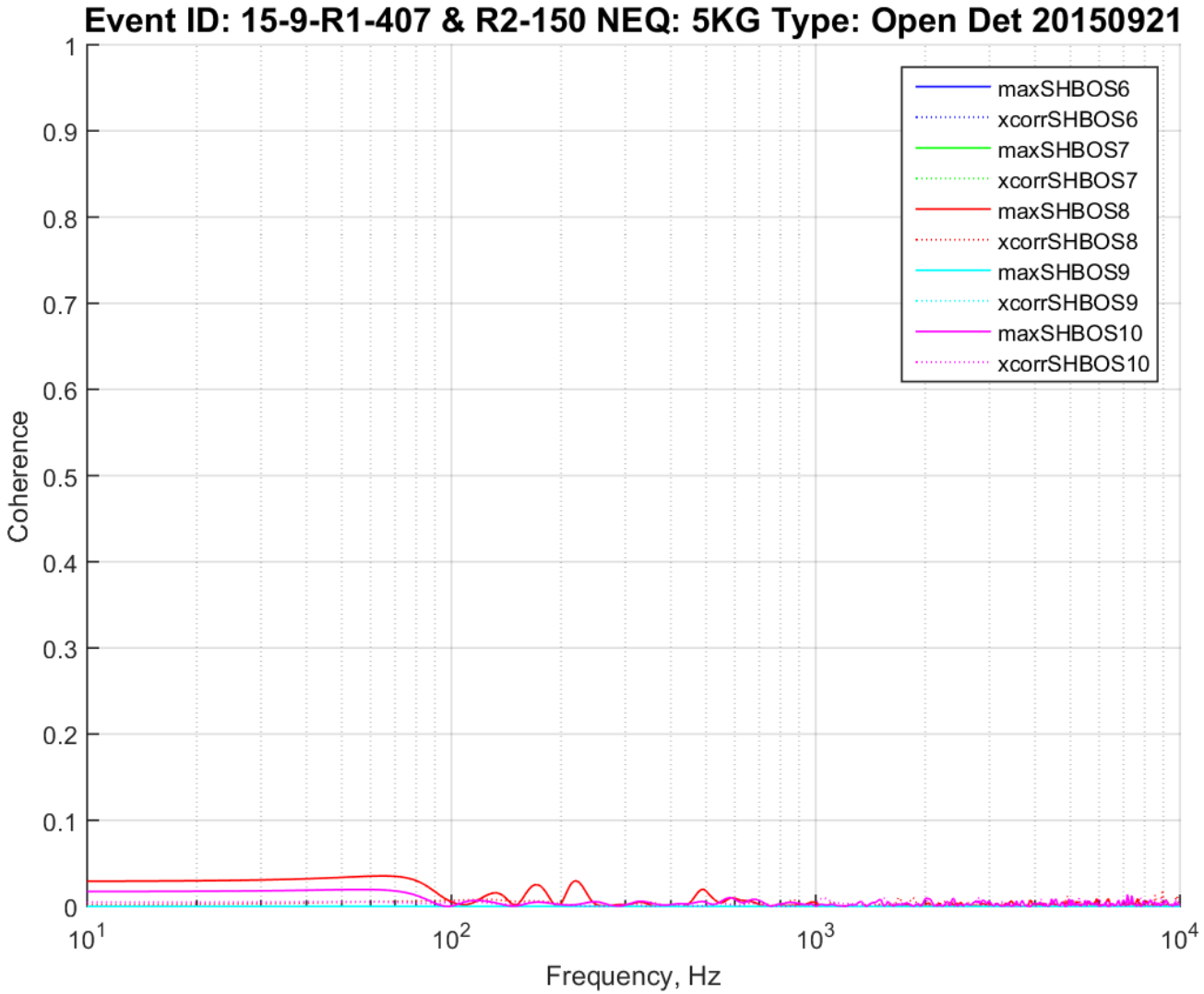


FIGURE 2.1194: COHERENCE SHB_OS 6 - 10 15-9-R1-407 & R2-150CTD

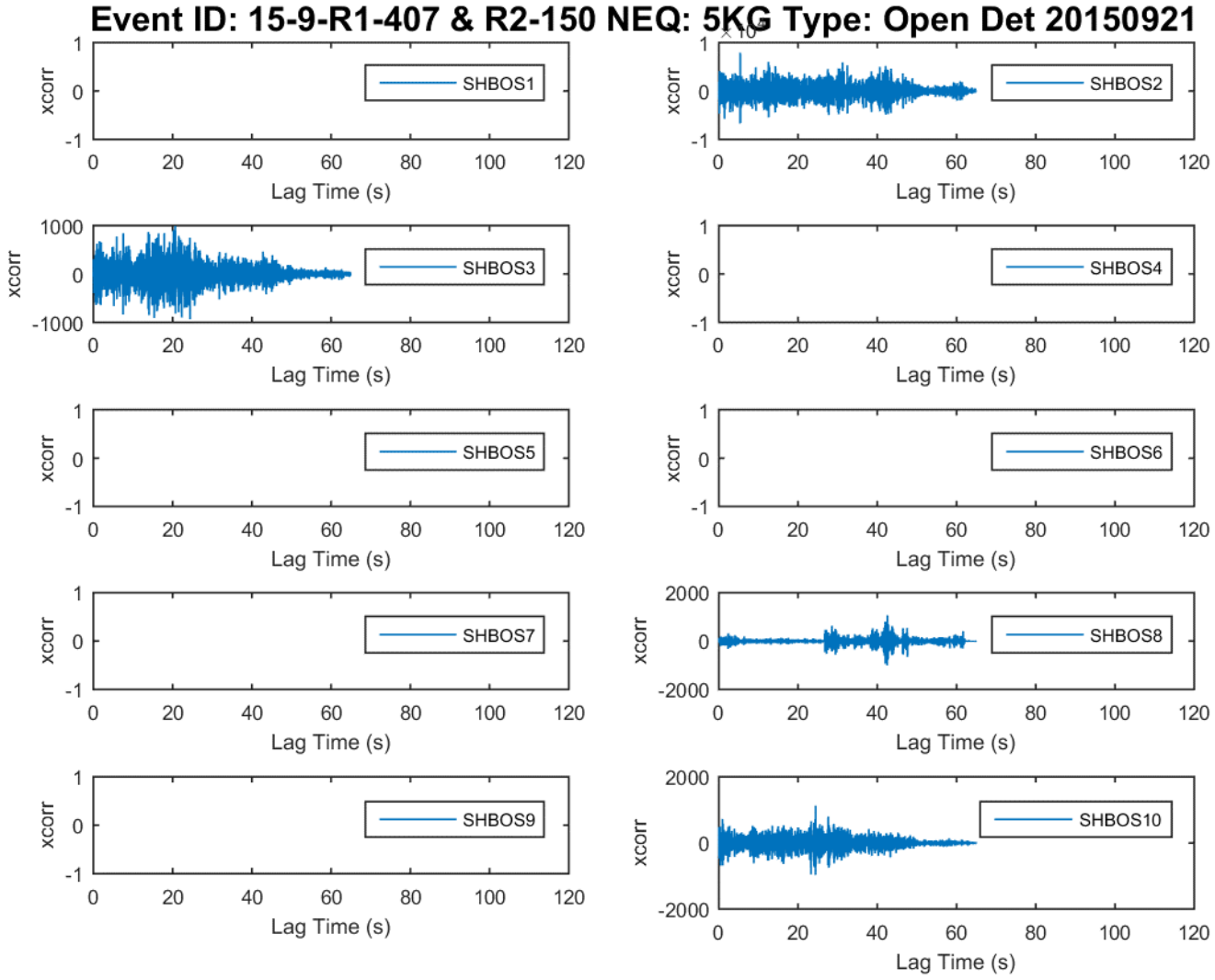


FIGURE 2.1195: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-407 & R2-150

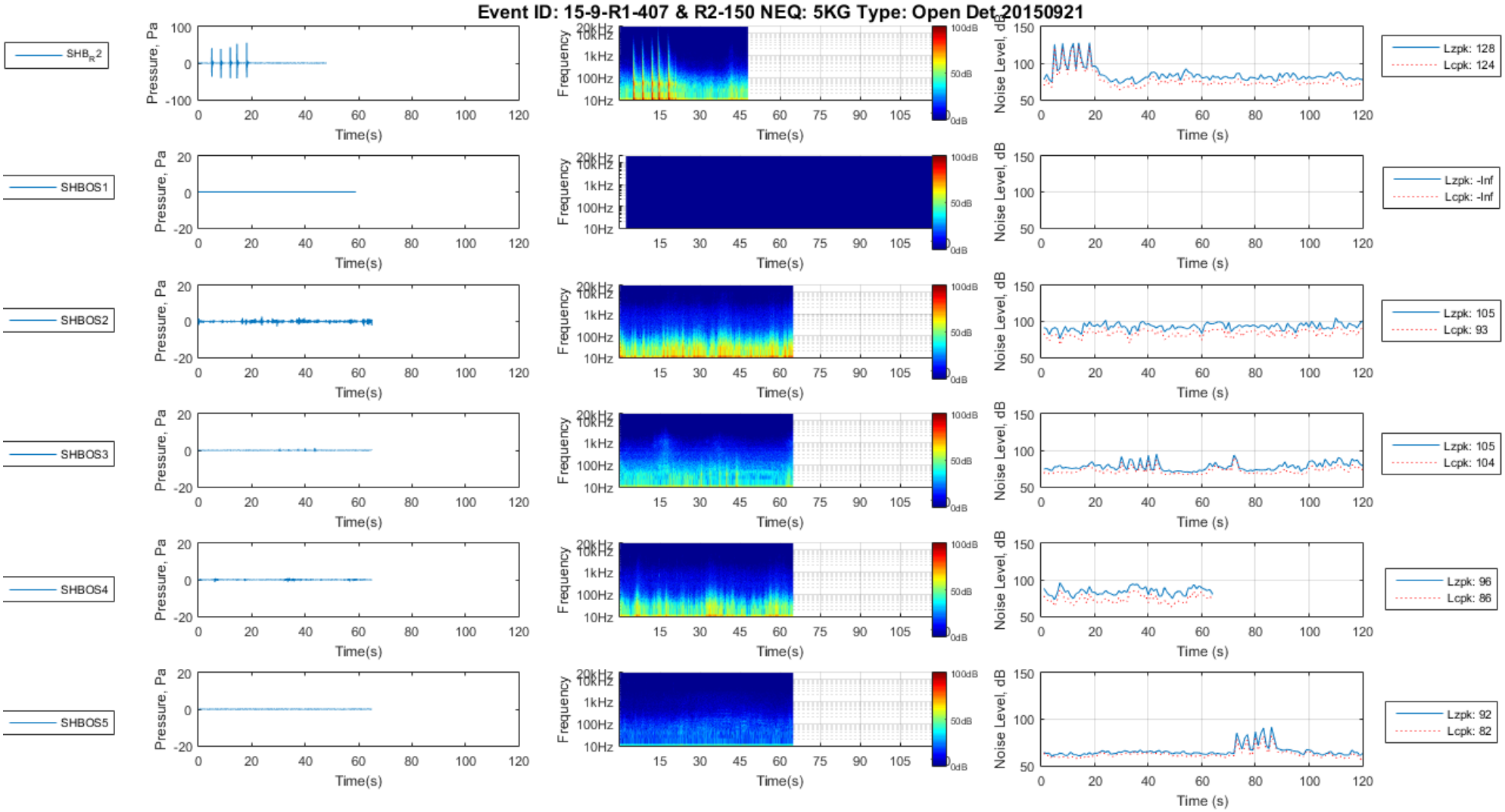


FIGURE 2.1196: SHB_OS 1 - 5 15-9-R1-407 & R2-150

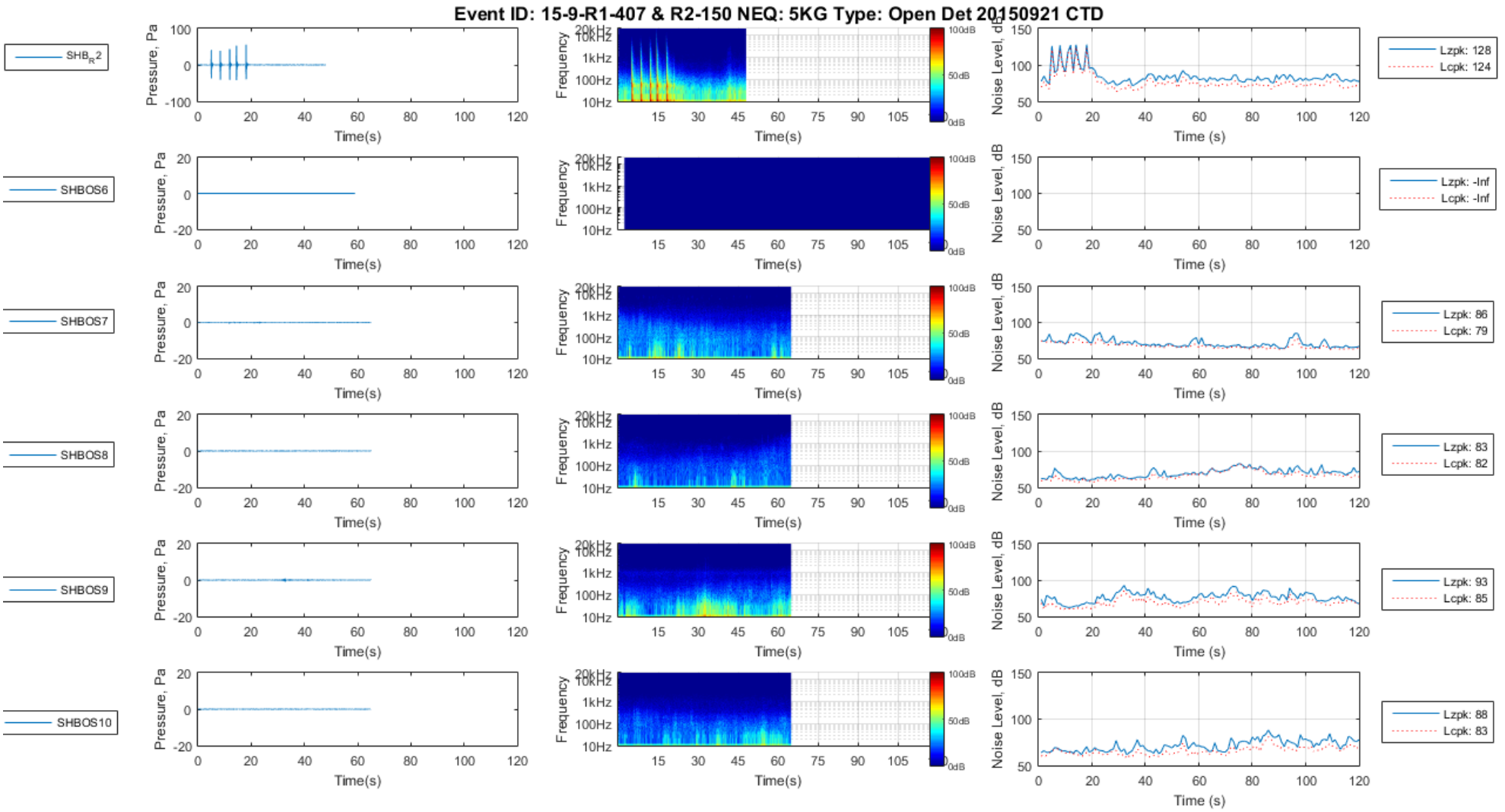


FIGURE 2.1197: SHB_OS 6 - 10 15-9-R1-407 & R2-150

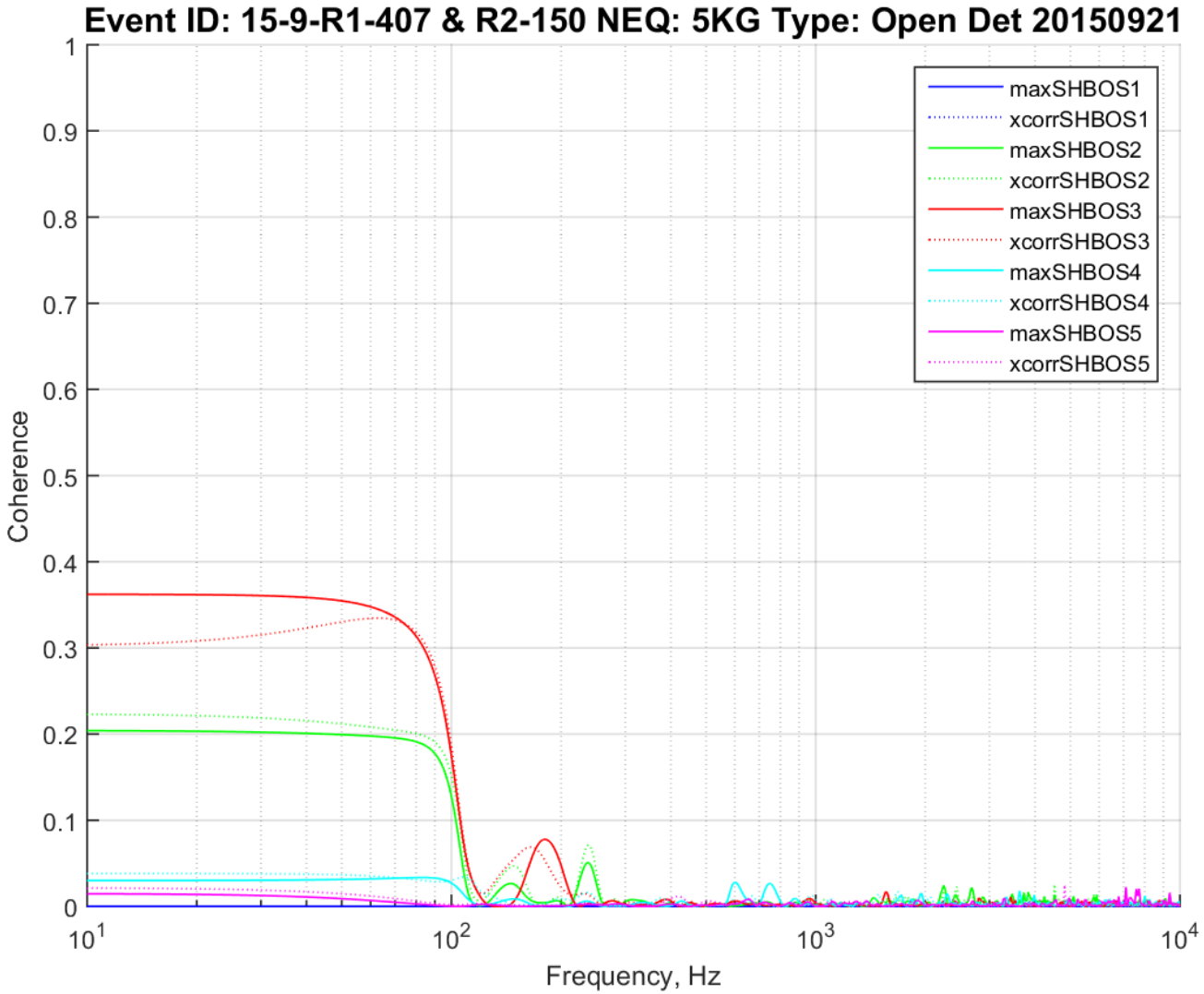


FIGURE 2.1198: COHERENCE SHB_OS 1 - 5 15-9-R1-407 & R2-150

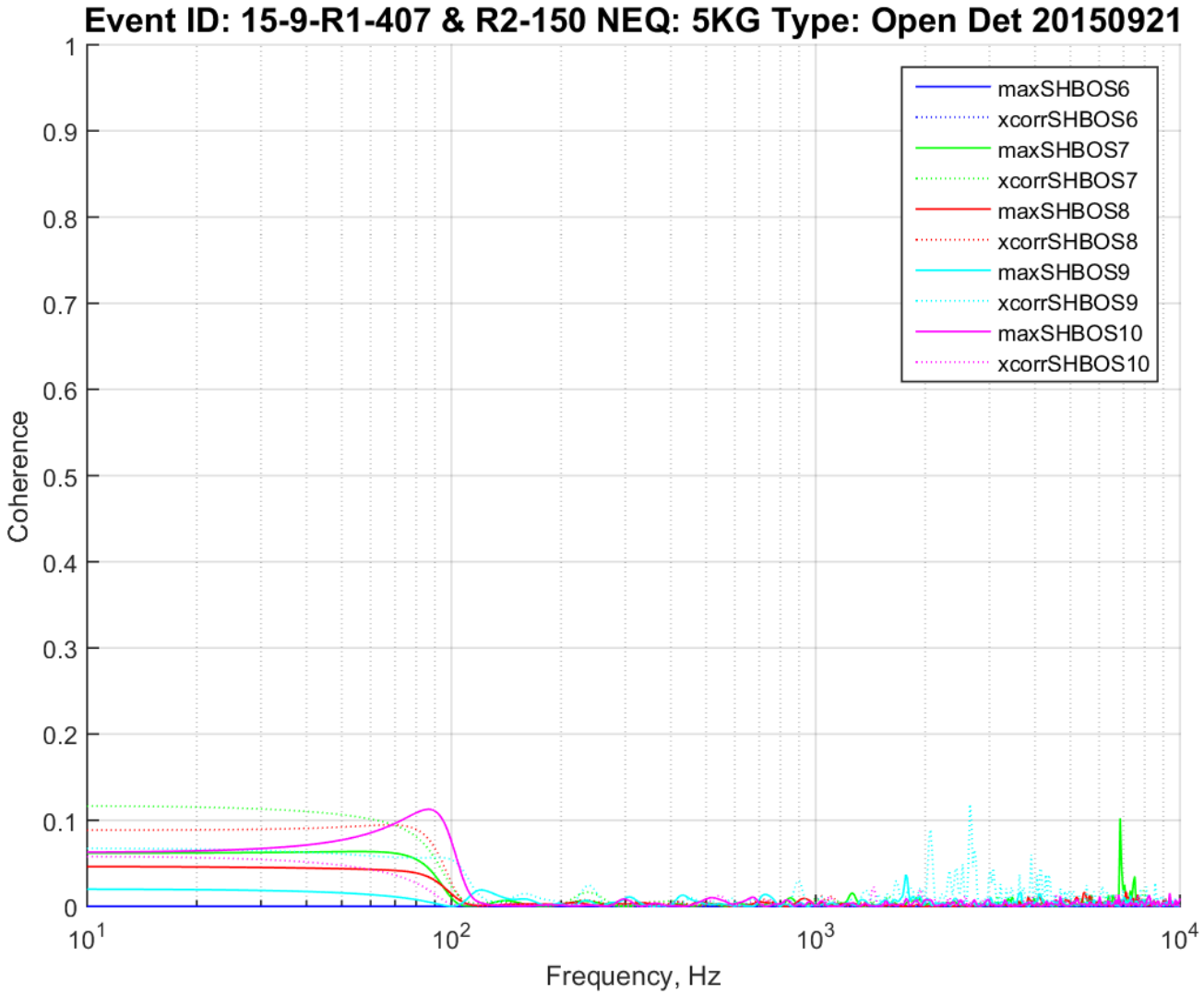


FIGURE 2.1199: COHERENCE SHB_OS 6 - 10 15-9-R1-407 & R2-150CTD

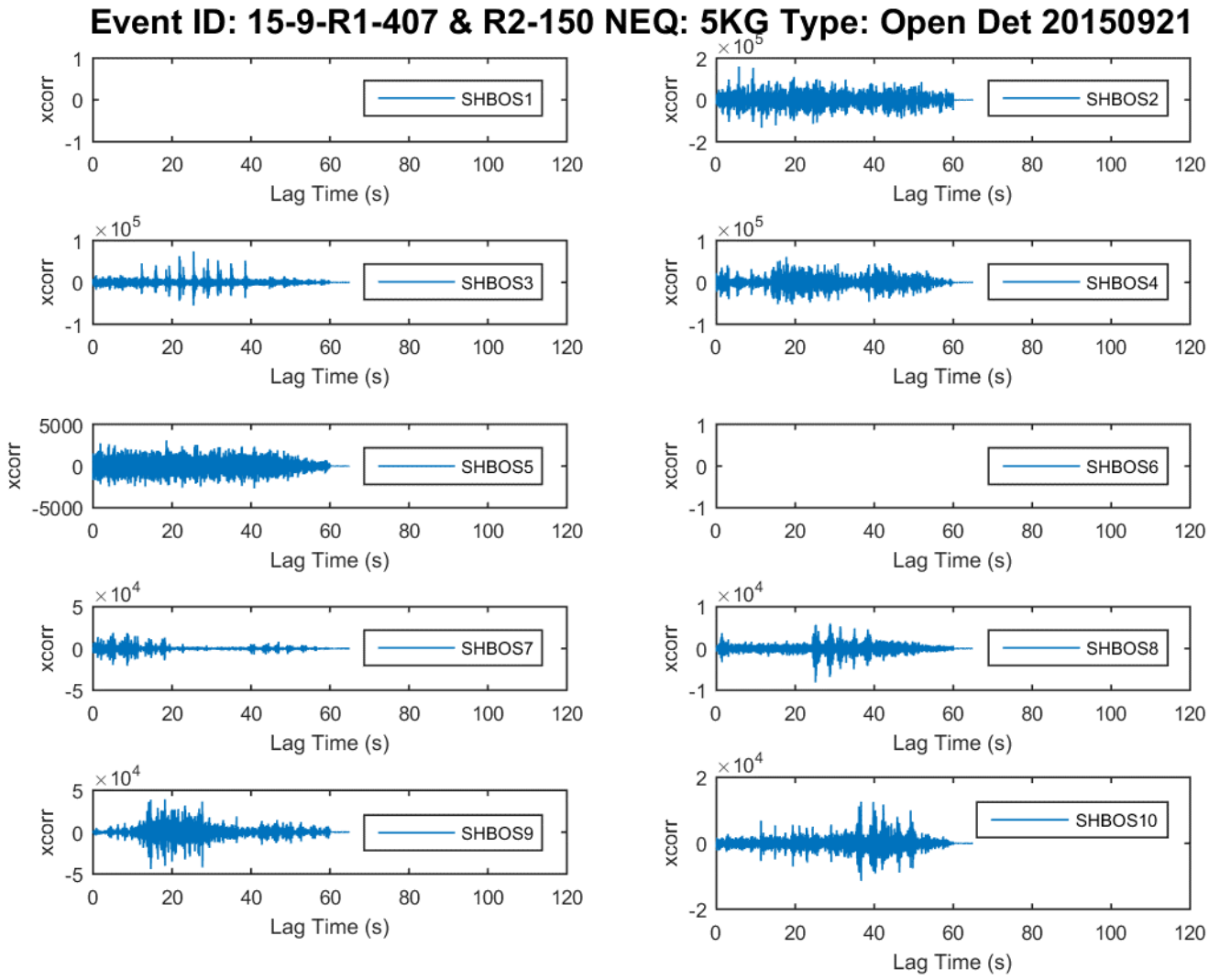


FIGURE 2.1200: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-407 & R2-150

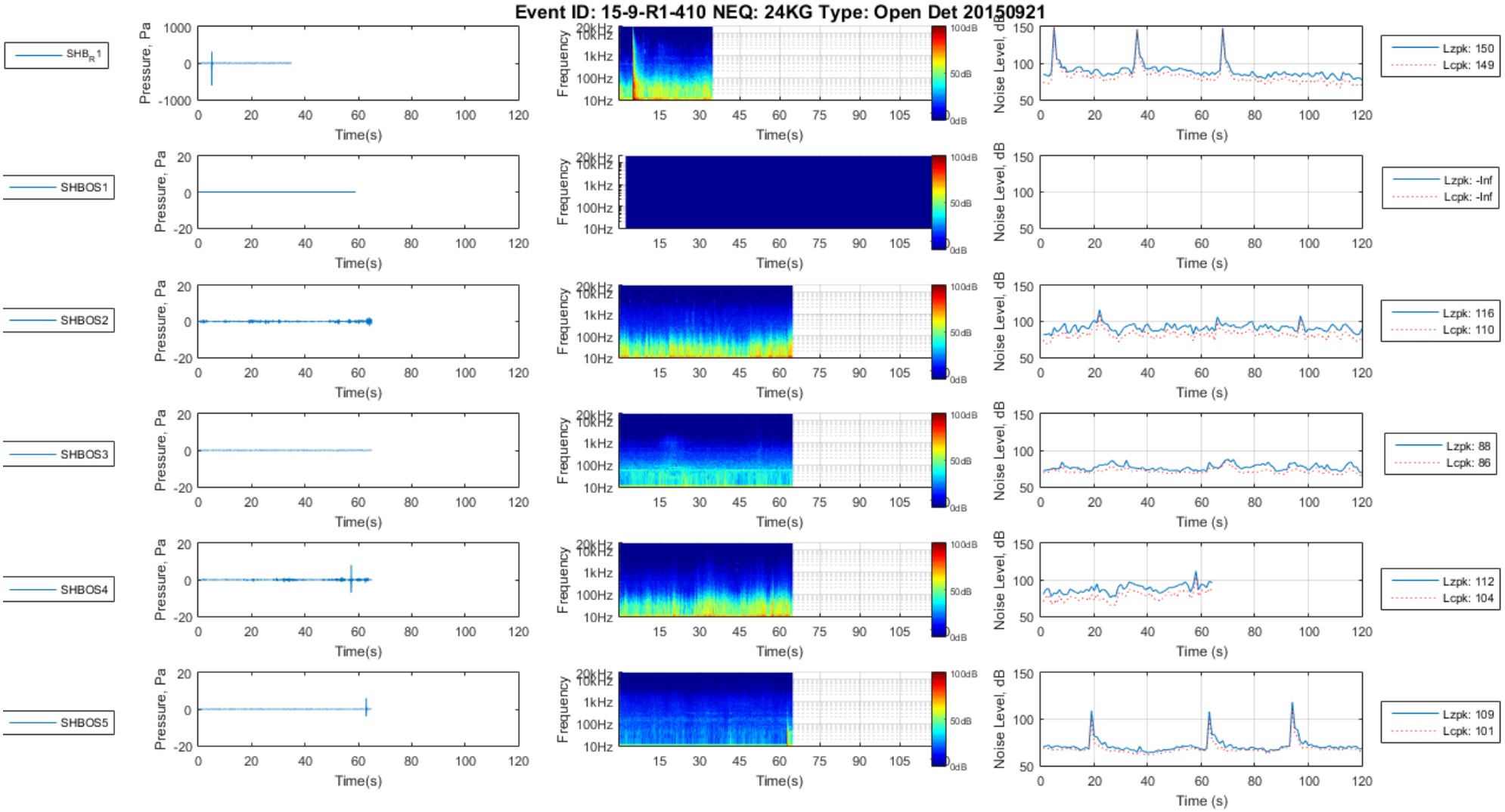


FIGURE 2.1201: SHB_OS 1 - 5 15-9-R1-410

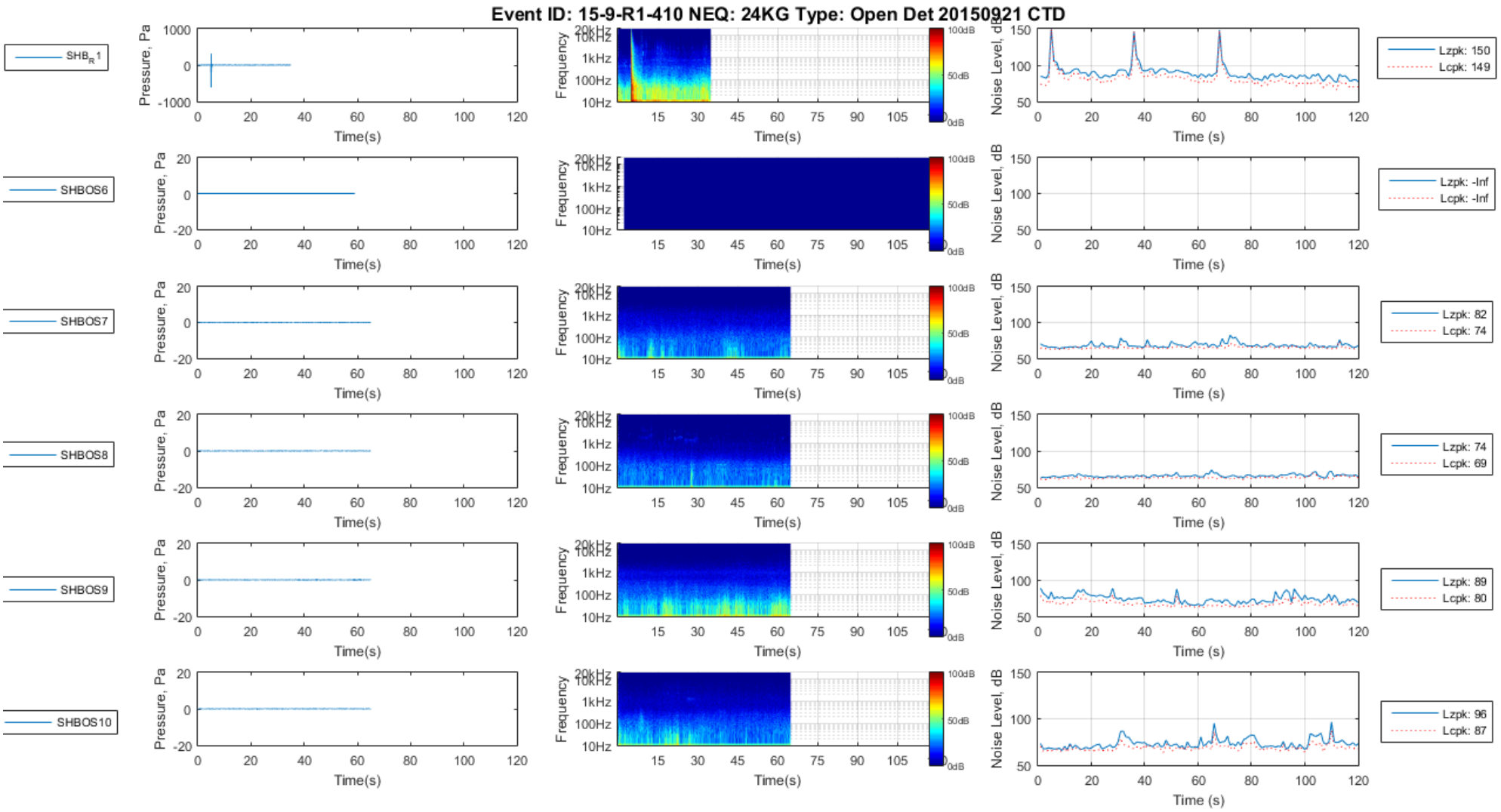


FIGURE 2.1202: SHB_OS 6 - 10 15-9-R1-410

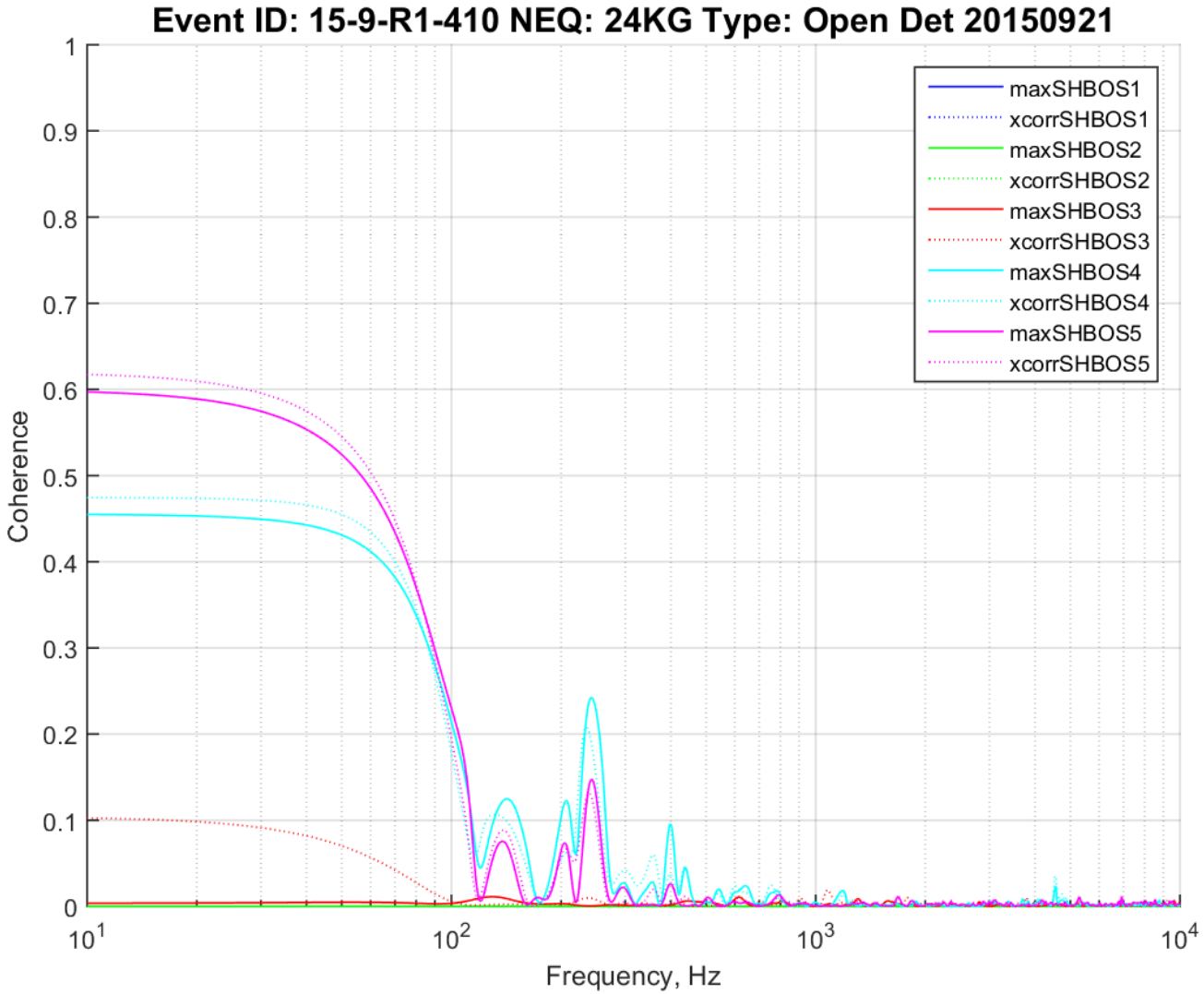


FIGURE 2.1203: COHERENCE SHB_OS 1 - 5 15-9-R1-410

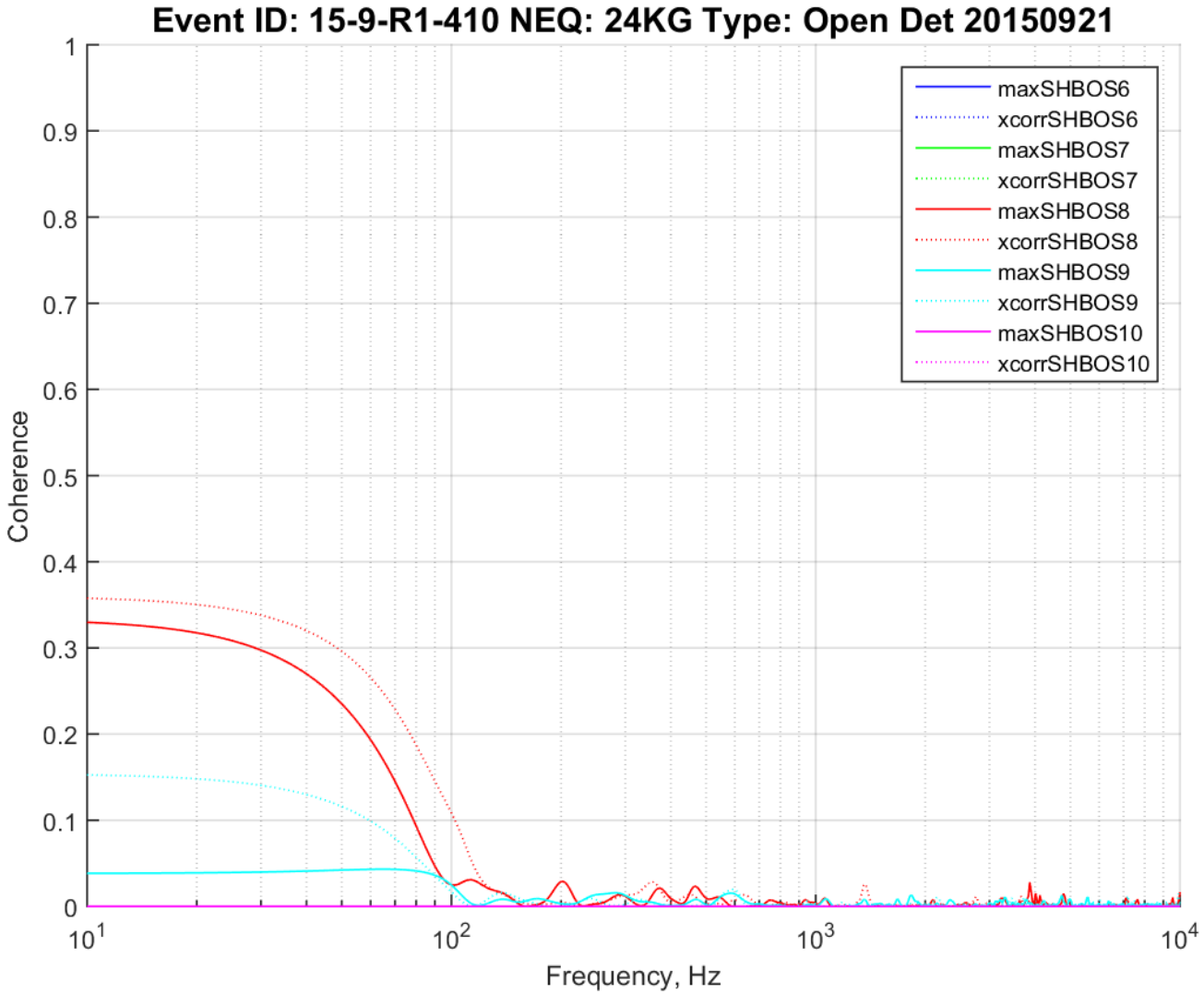


FIGURE 2.1204: COHERENCE SHB_OS 6 - 10 15-9-R1-410CTD

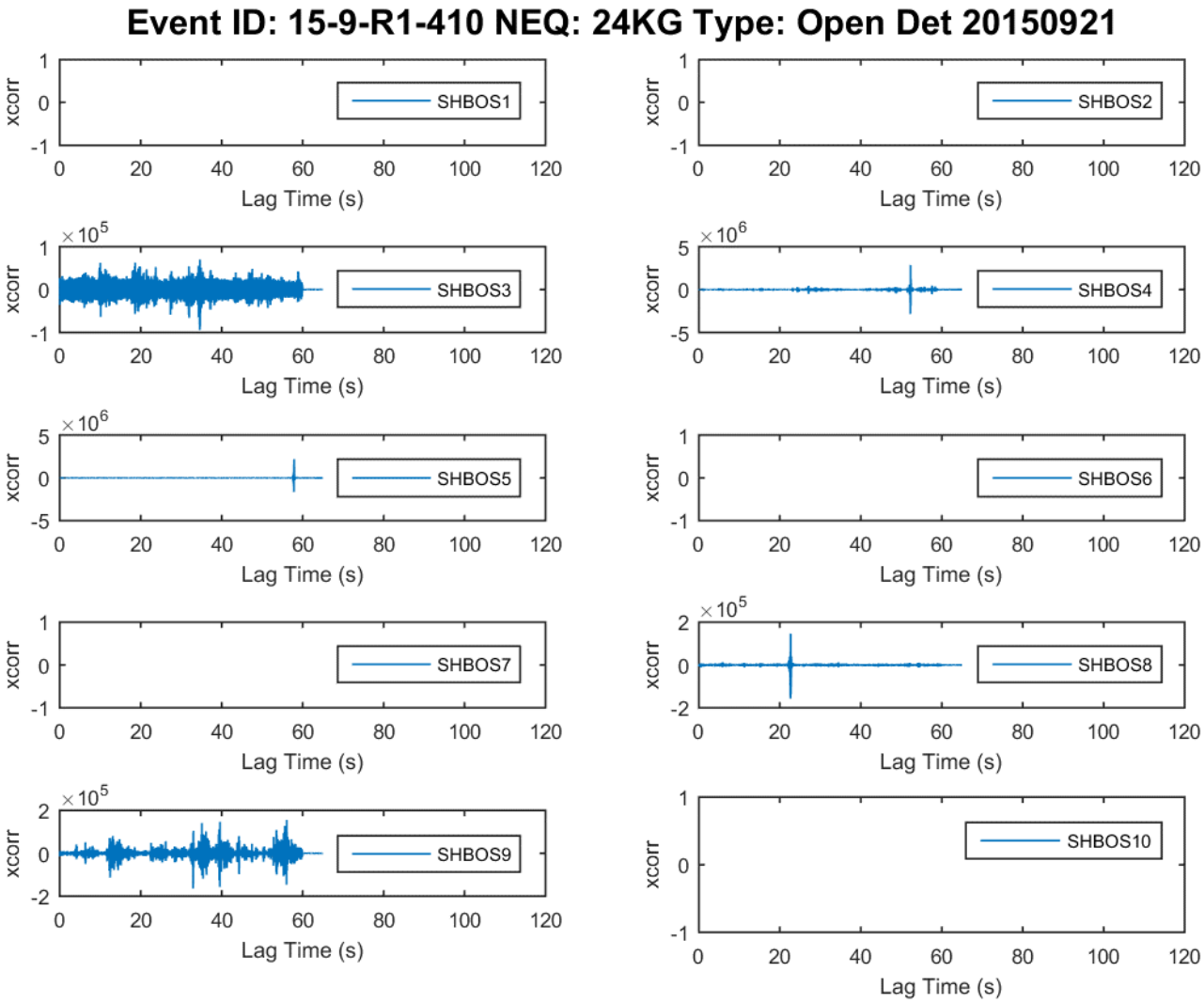


FIGURE 2.1205: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-410

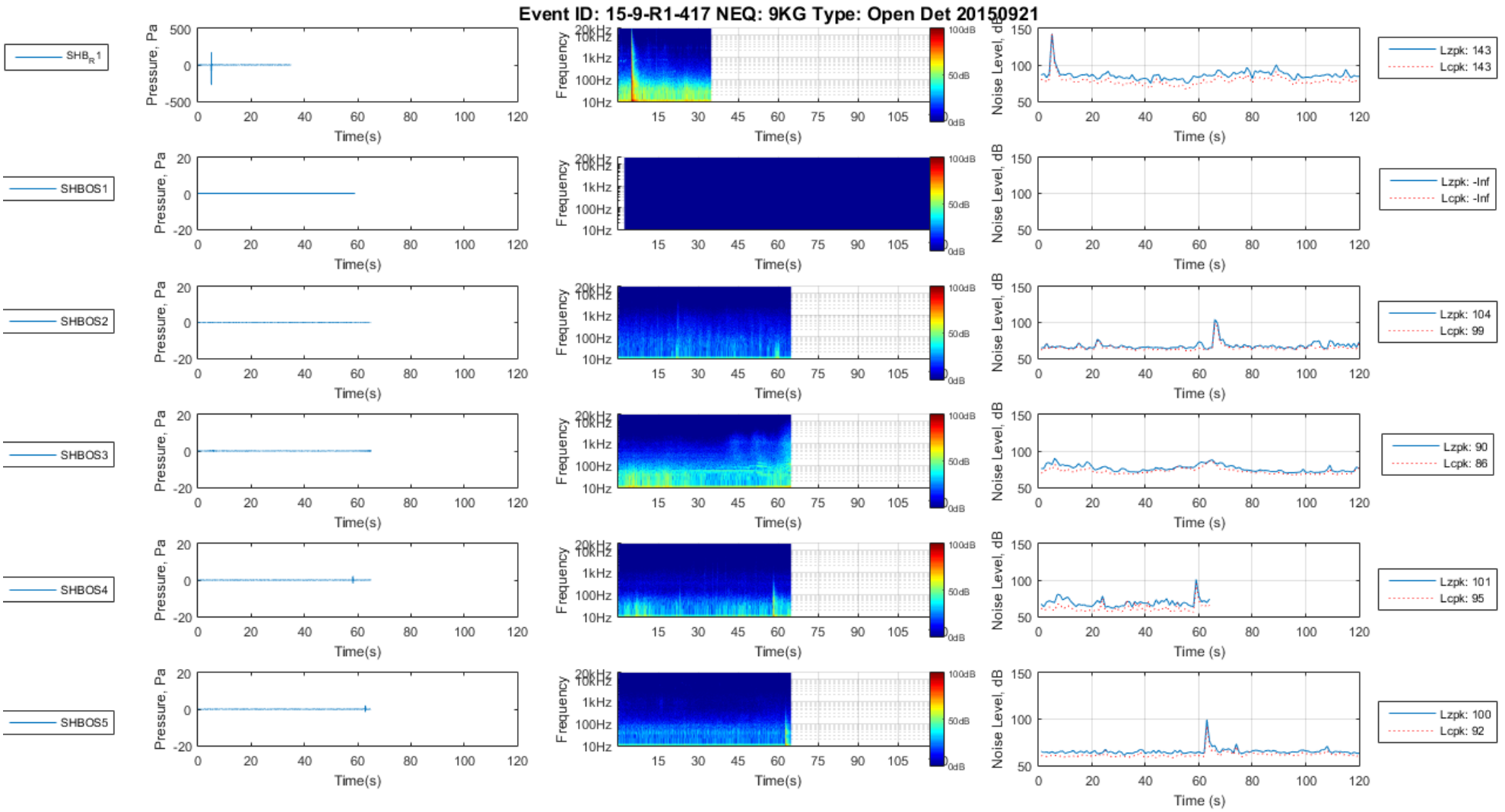


FIGURE 2.1206: SHB_OS 1 - 5 15-9-R1-417

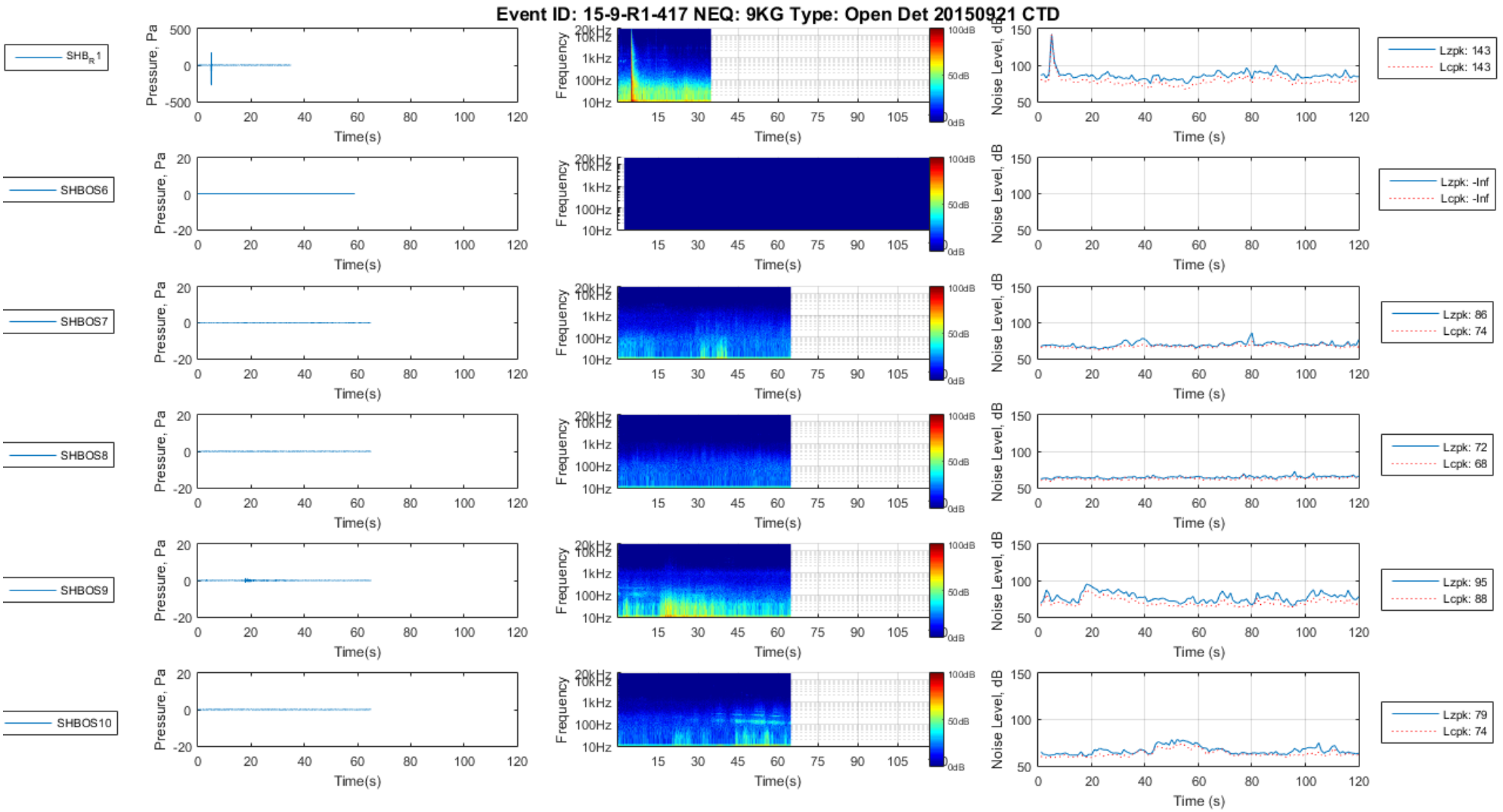


FIGURE 2.1207: SHB_OS 6 - 10 15-9-R1-417

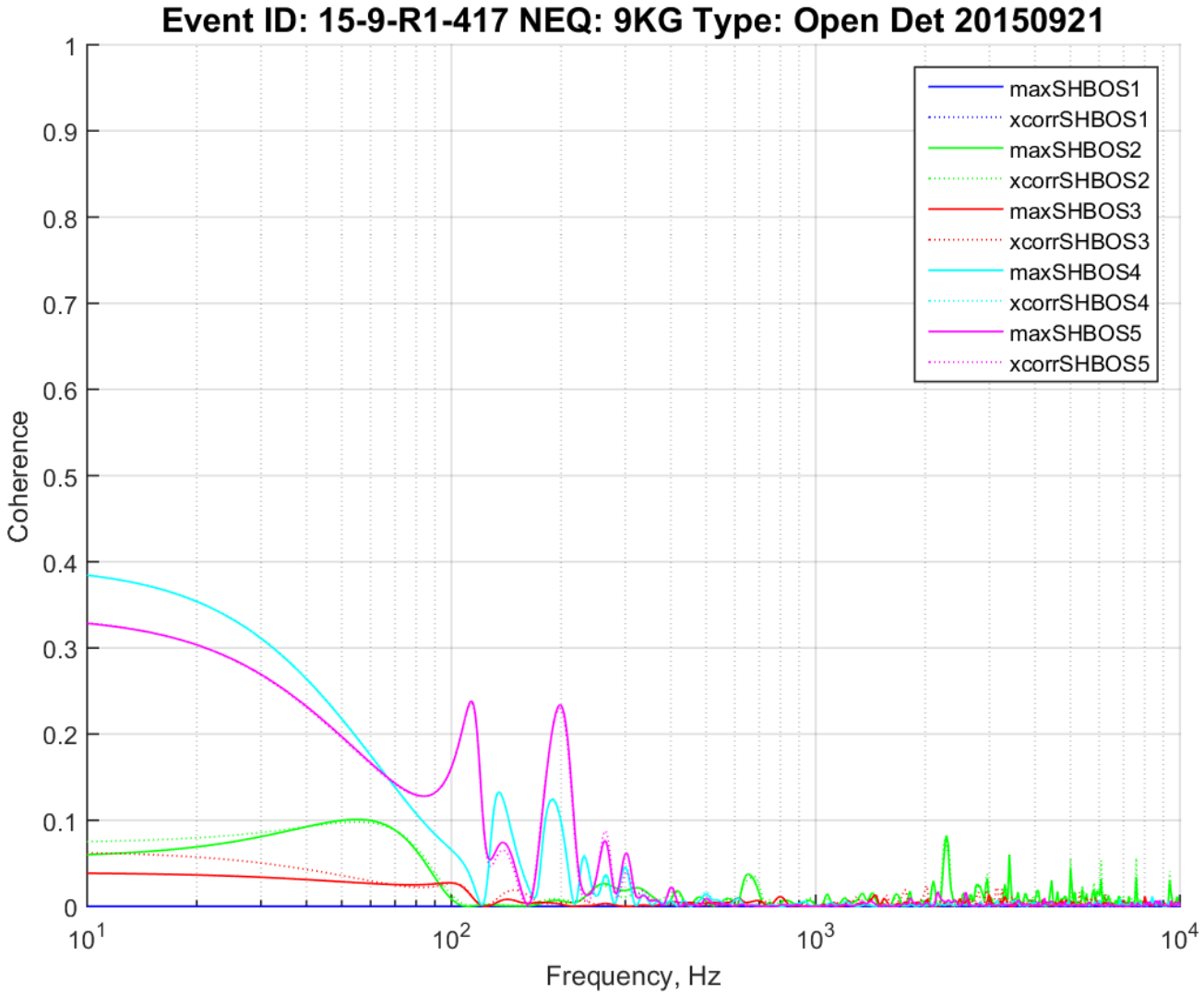


FIGURE 2.1208: COHERENCE SHB_OS 1 - 5 15-9-R1-417

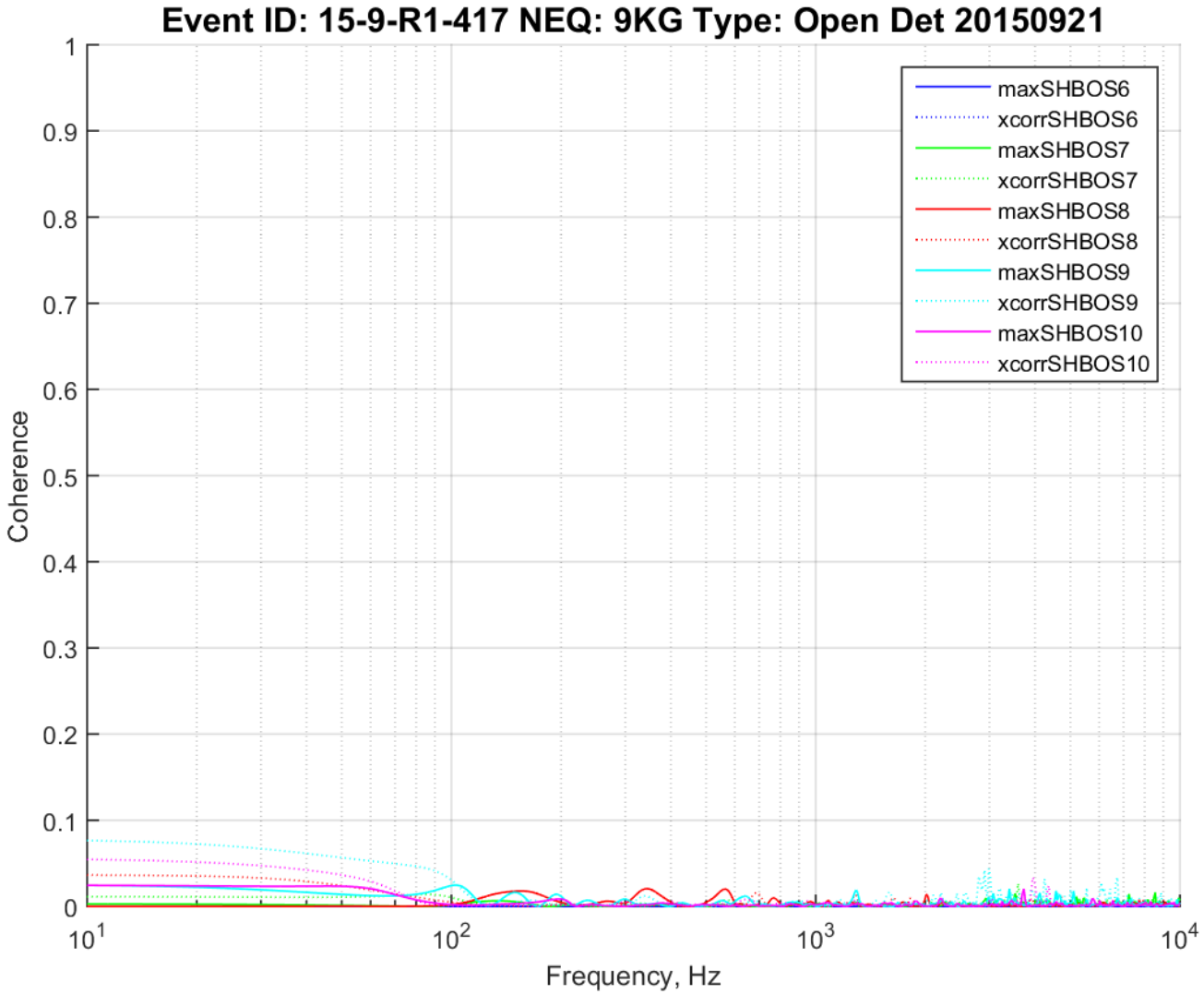


FIGURE 2.1209: COHERENCE SHB_OS 6 - 10 15-9-R1-417CTD

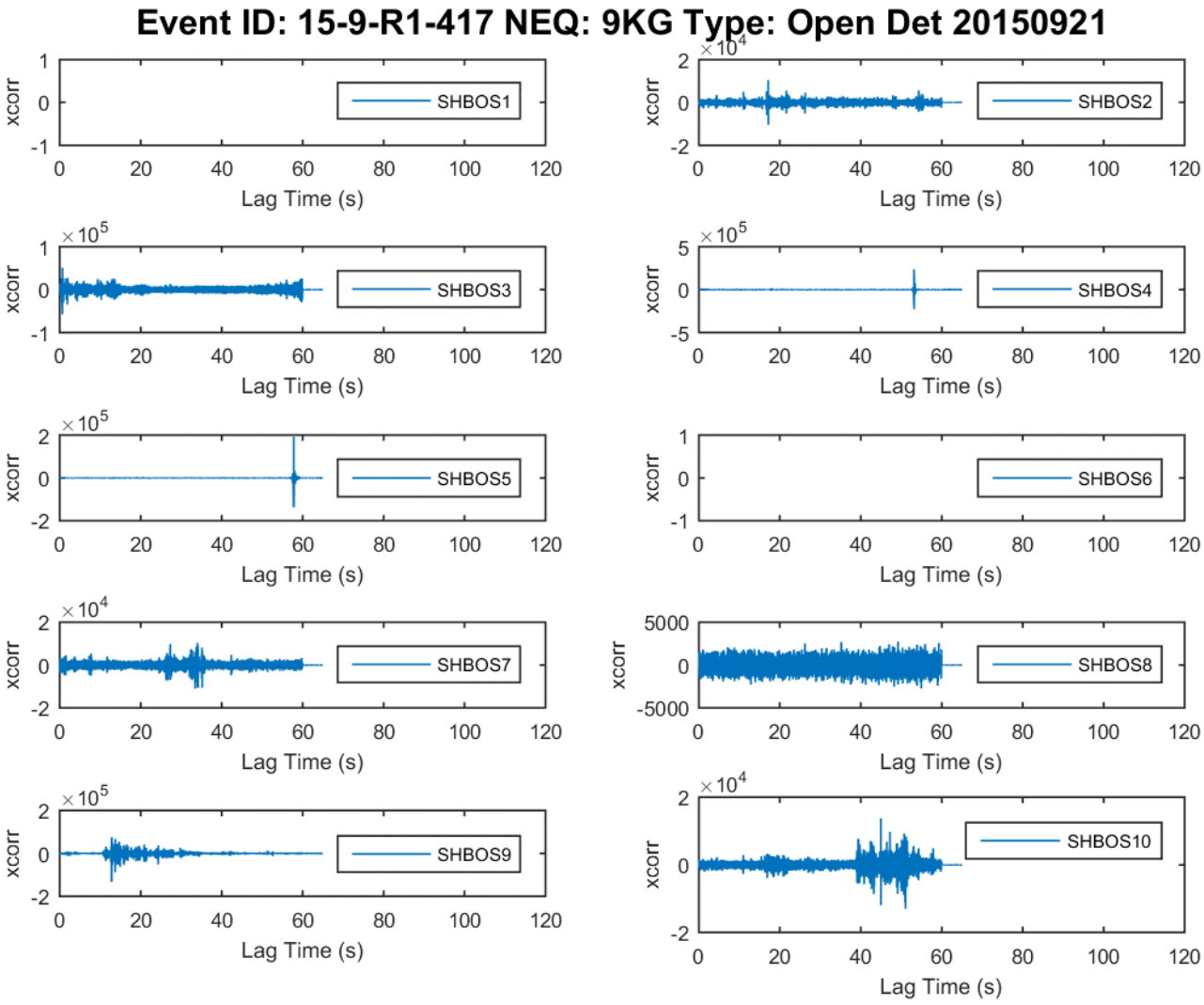


FIGURE 2.1210: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-417

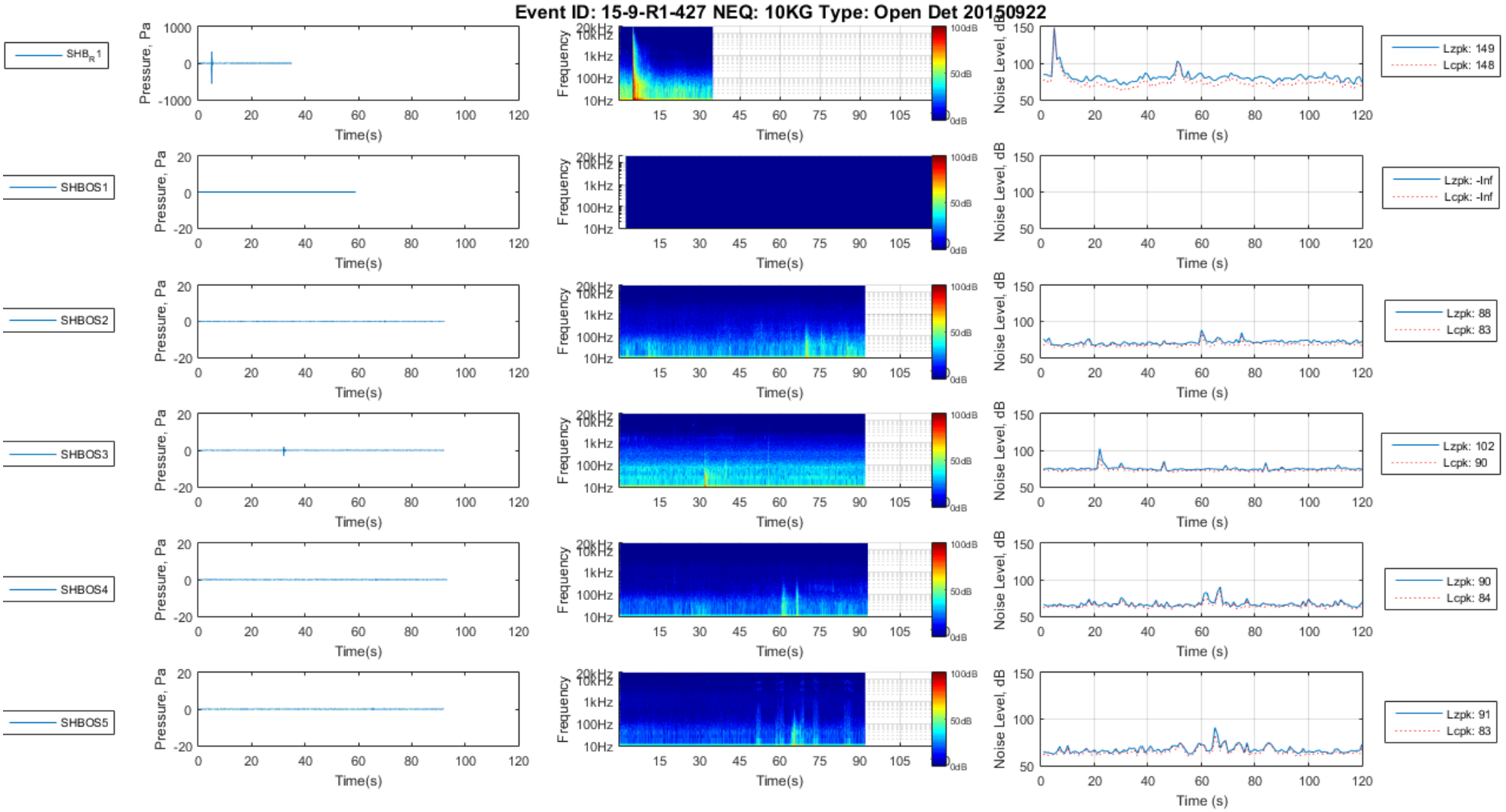


FIGURE 2.1211: SHB_OS 1 - 5 15-9-R1-427

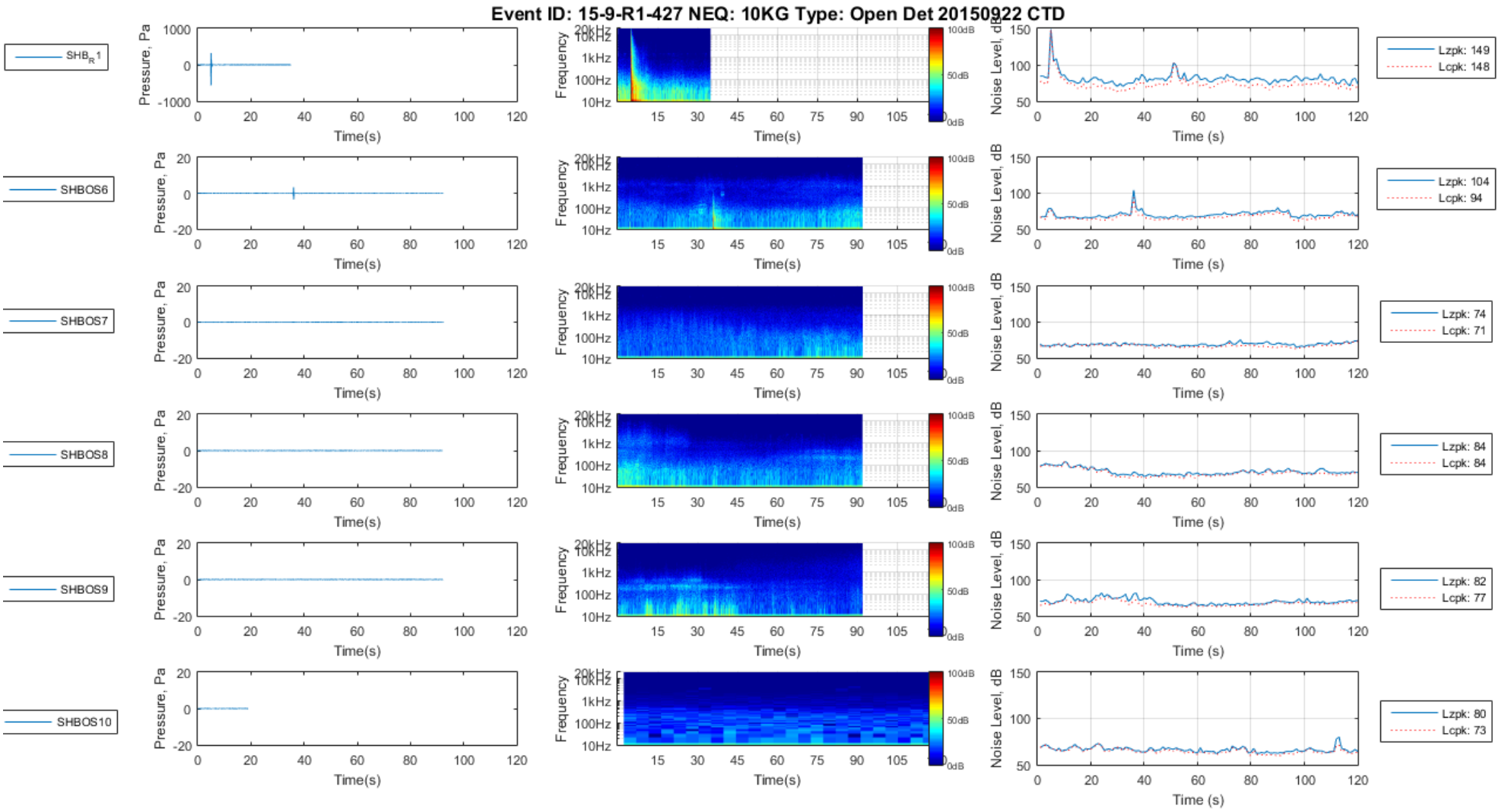


FIGURE 2.1212: SHB_OS 6 - 10 15-9-R1-427

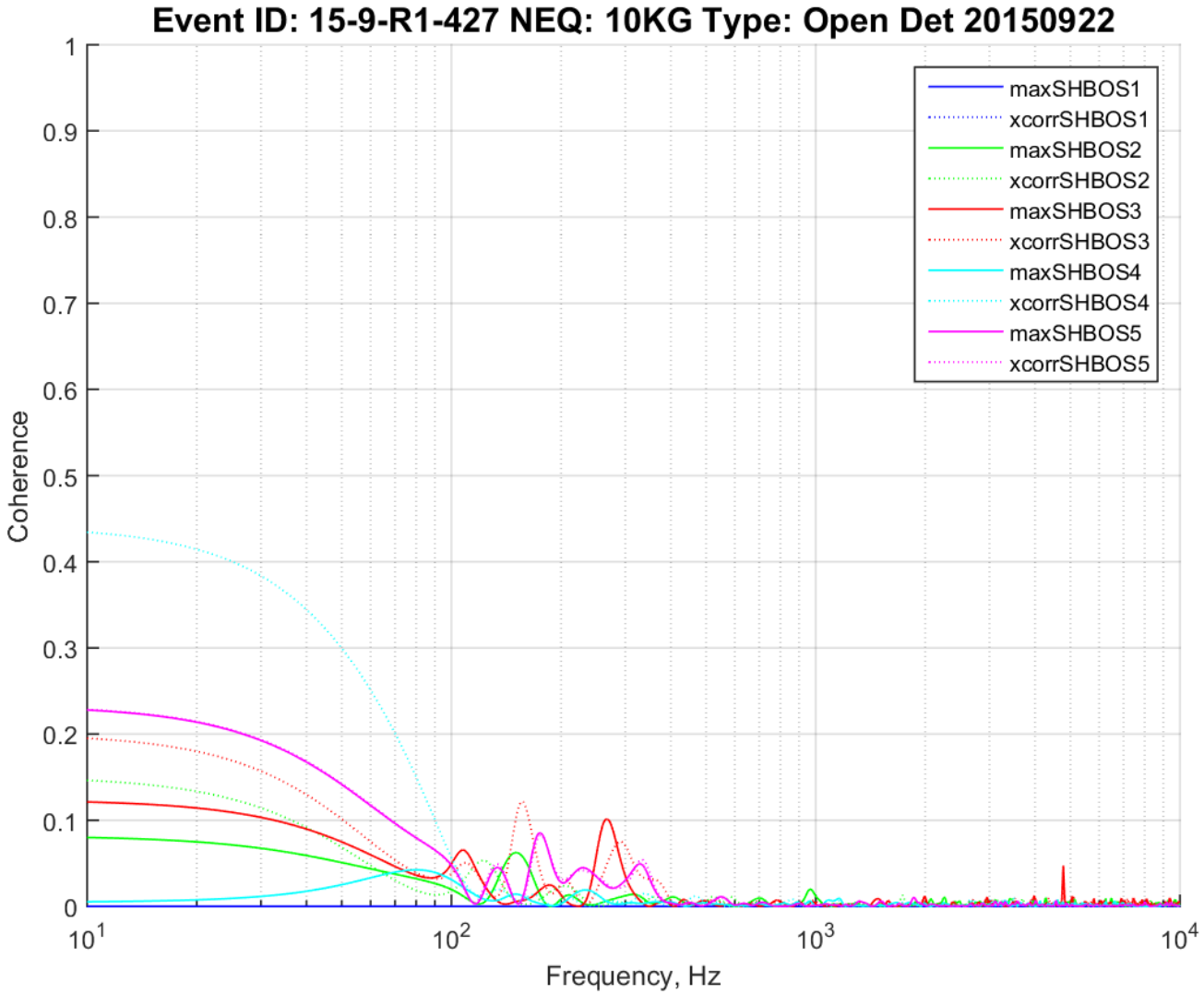


FIGURE 2.1213: COHERENCE SHB_OS 1 - 5 15-9-R1-427

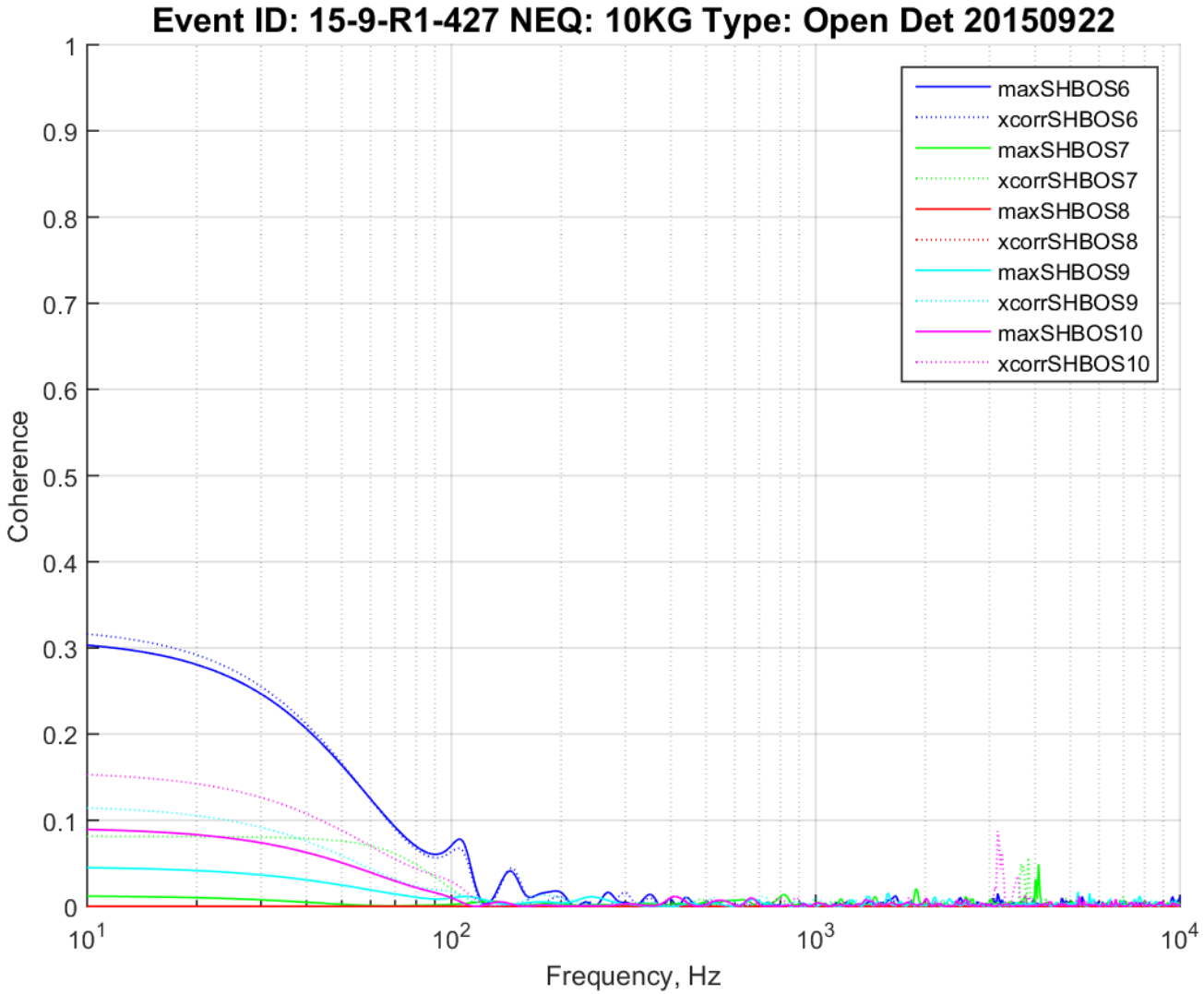


FIGURE 2.1214: COHERENCE SHB_OS 6 - 10 15-9-R1-427CTD

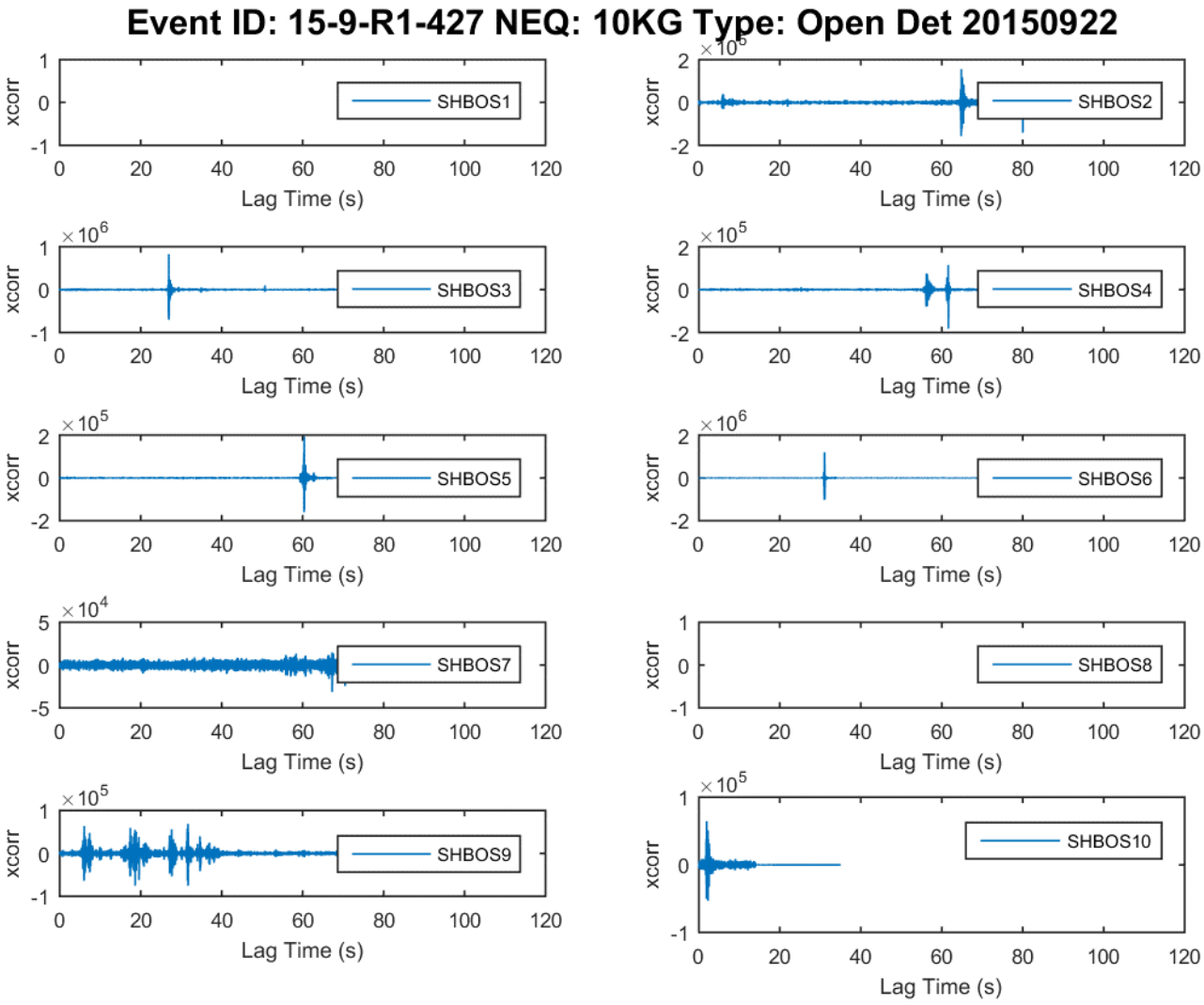


FIGURE 2.1215: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-427

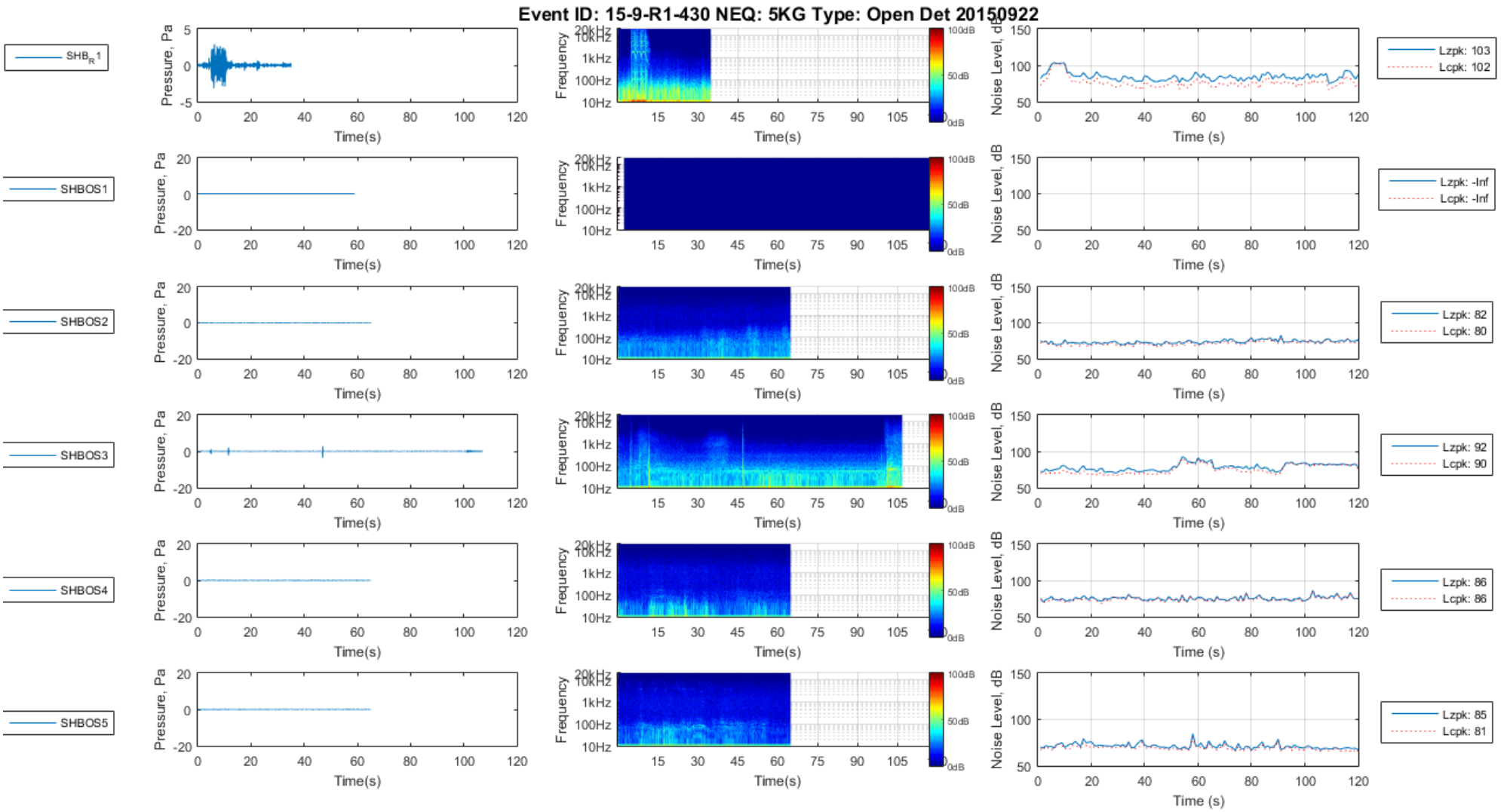


FIGURE 2.1216: SHB_OS 1 - 5 15-9-R1-430

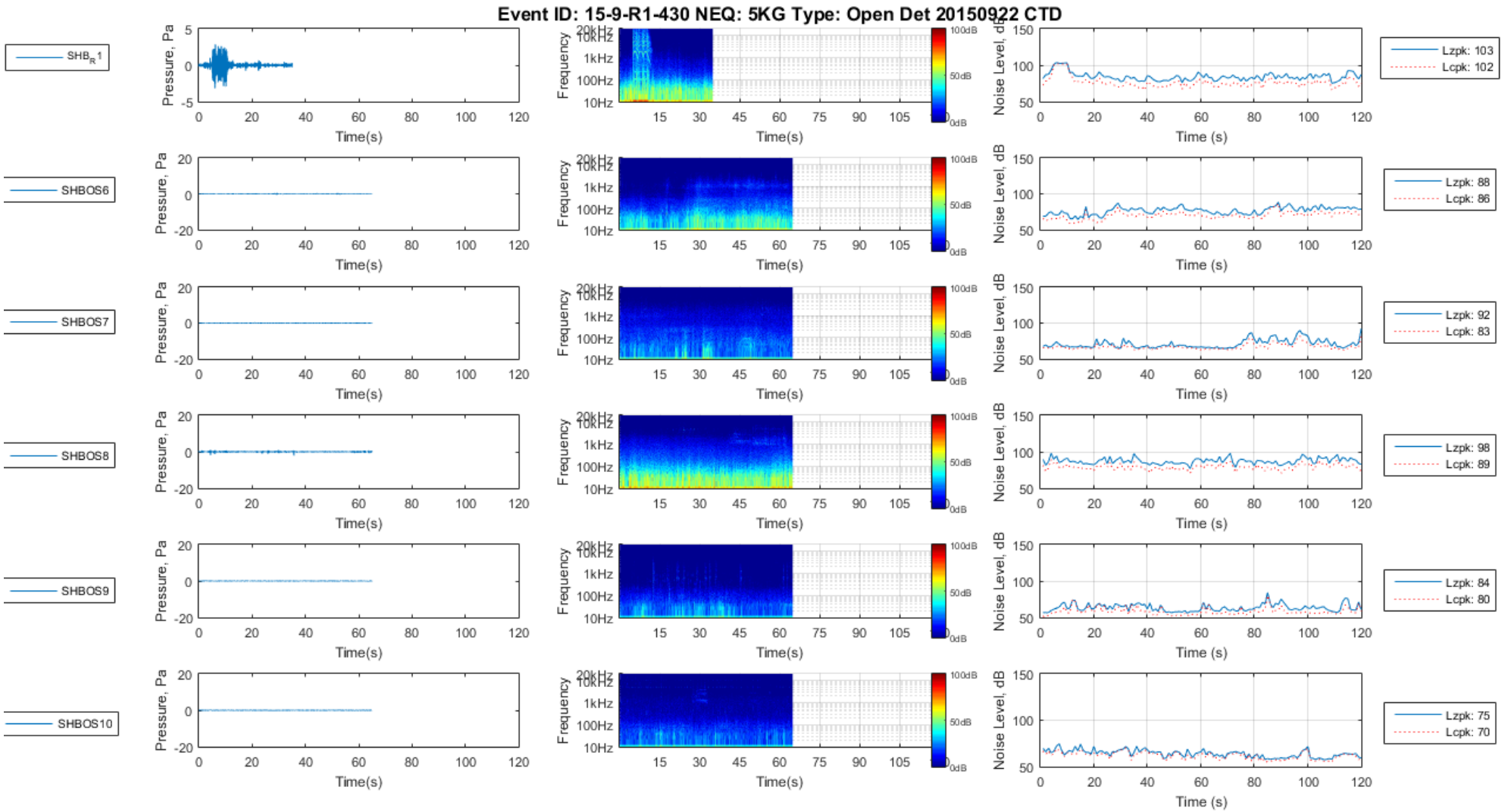


FIGURE 2.1217: SHB_OS 6 - 10 15-9-R1-430

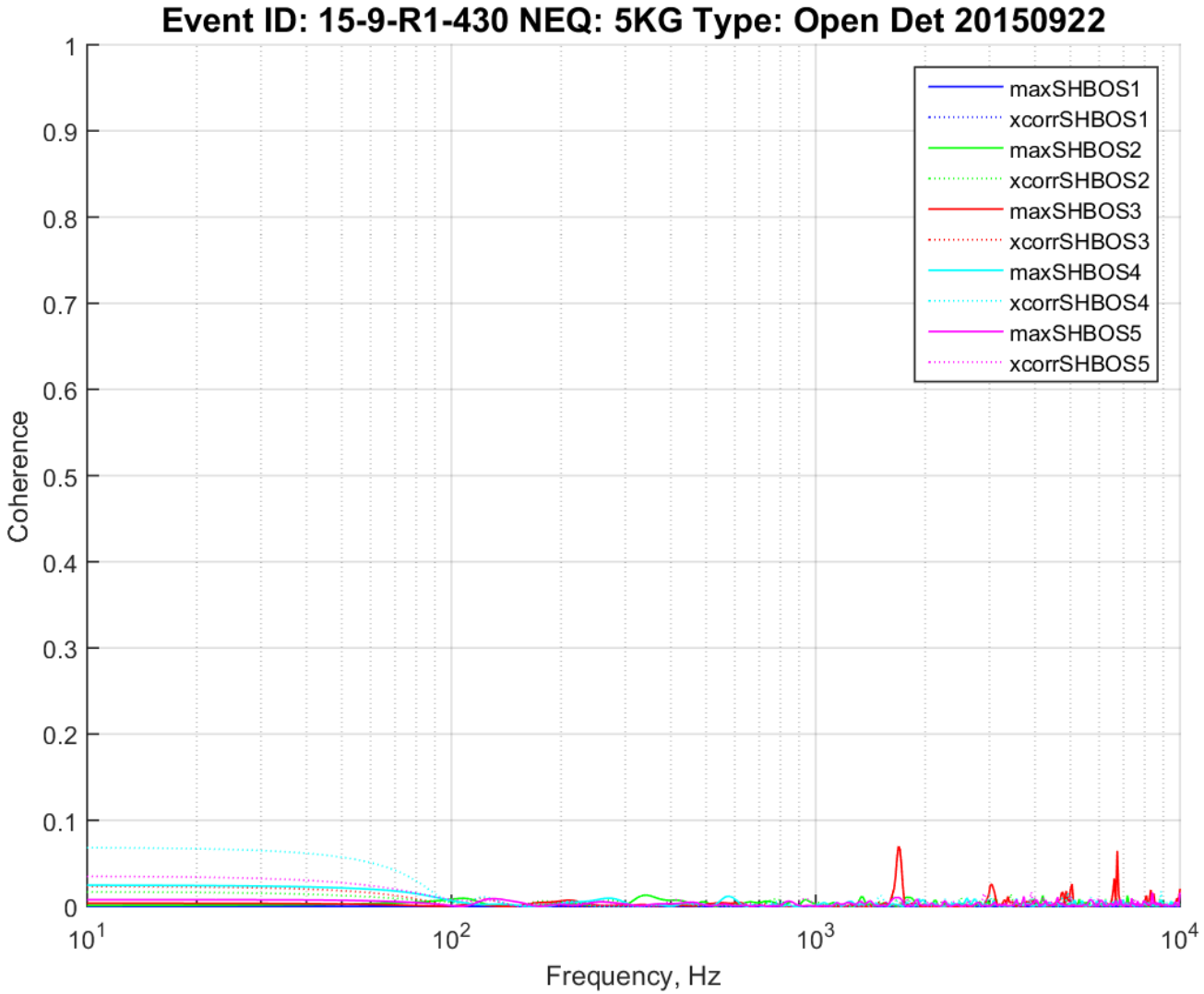


FIGURE 2.1218: COHERENCE SHB_OS 1 - 5 15-9-R1-430

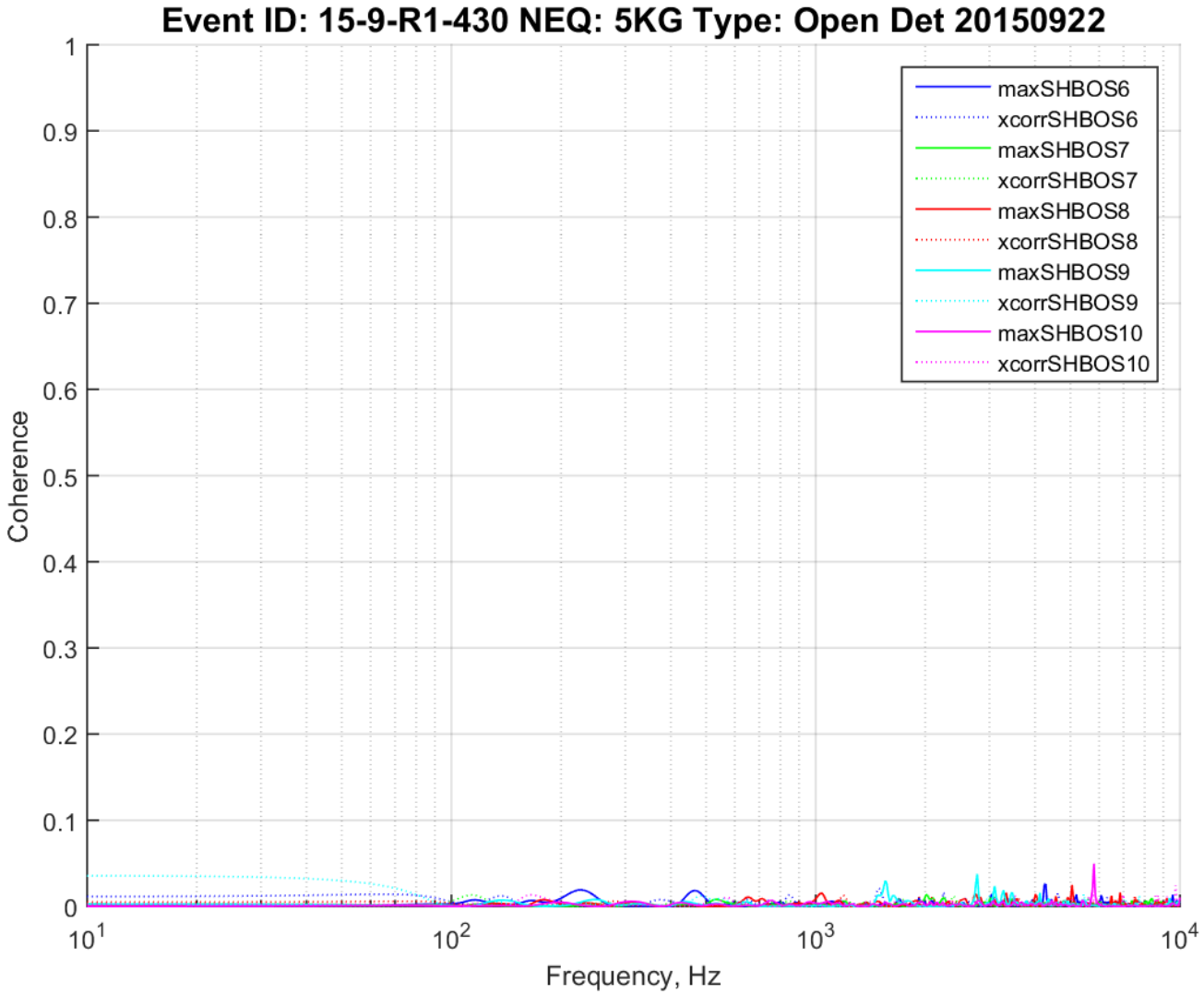


FIGURE 2.1219: COHERENCE SHB_OS 6 - 10 15-9-R1-430CTD

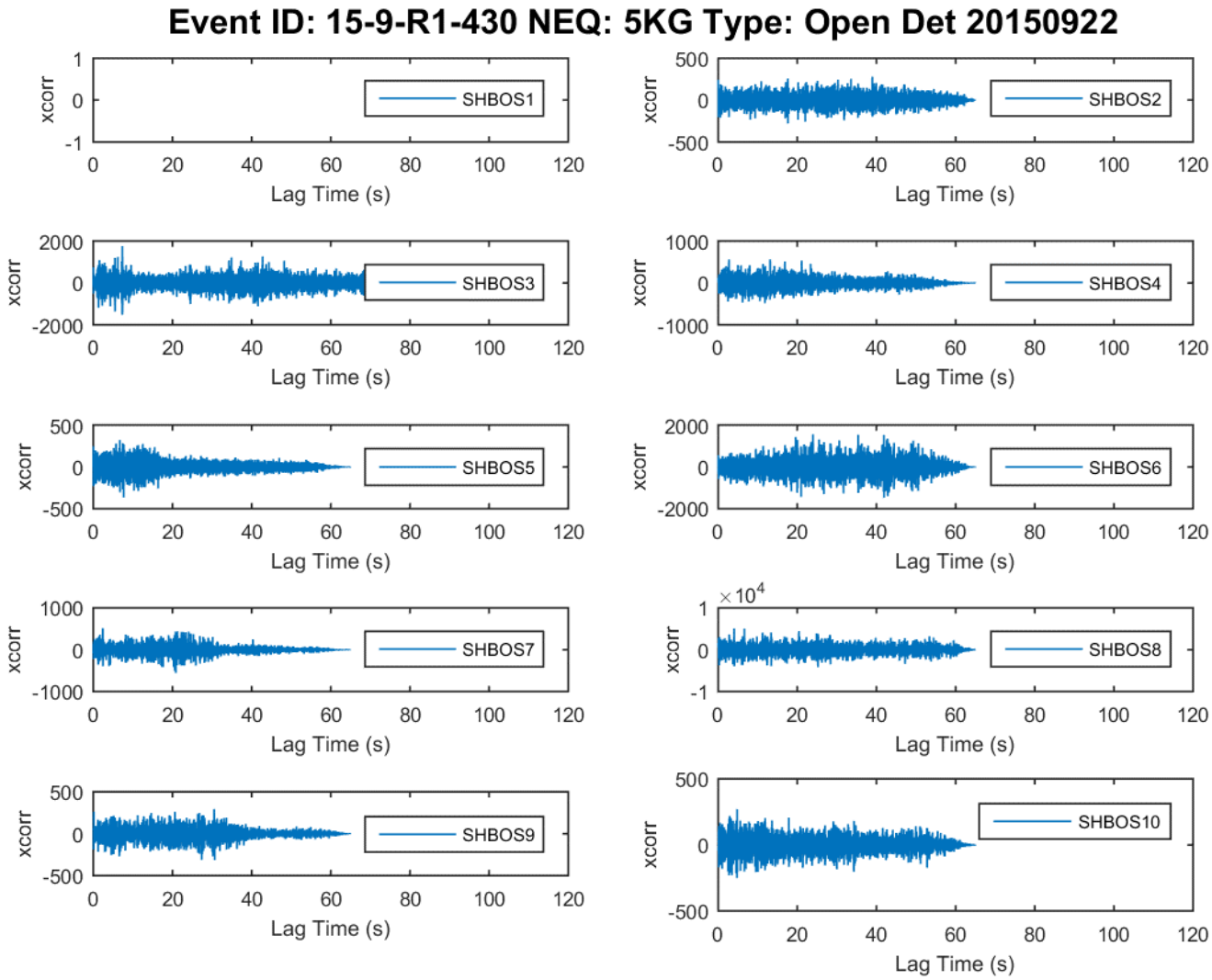


FIGURE 2.1220: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-430

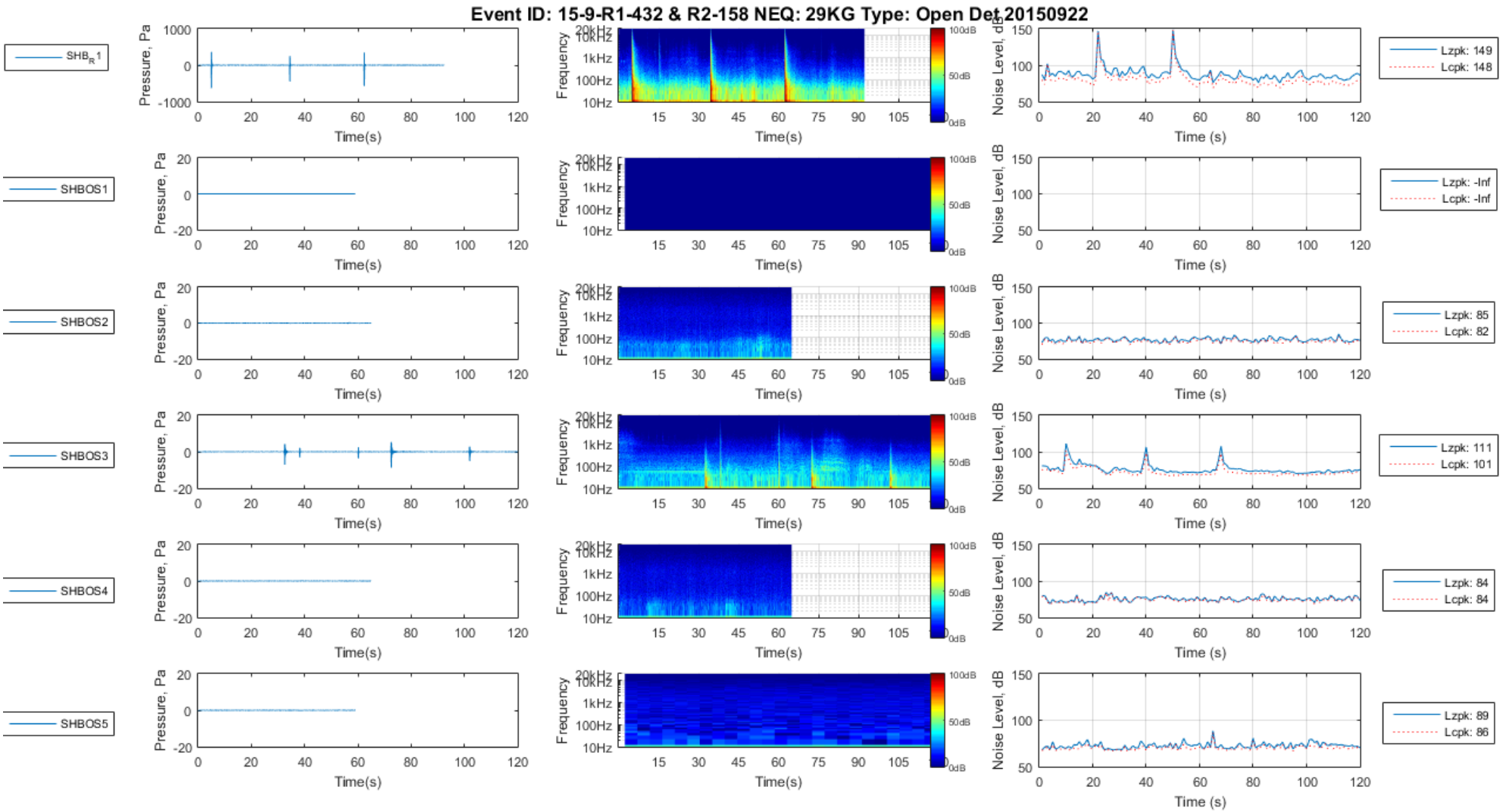


FIGURE 2.1221: SHB_OS 1 - 5 15-9-R1-432 & R2-158

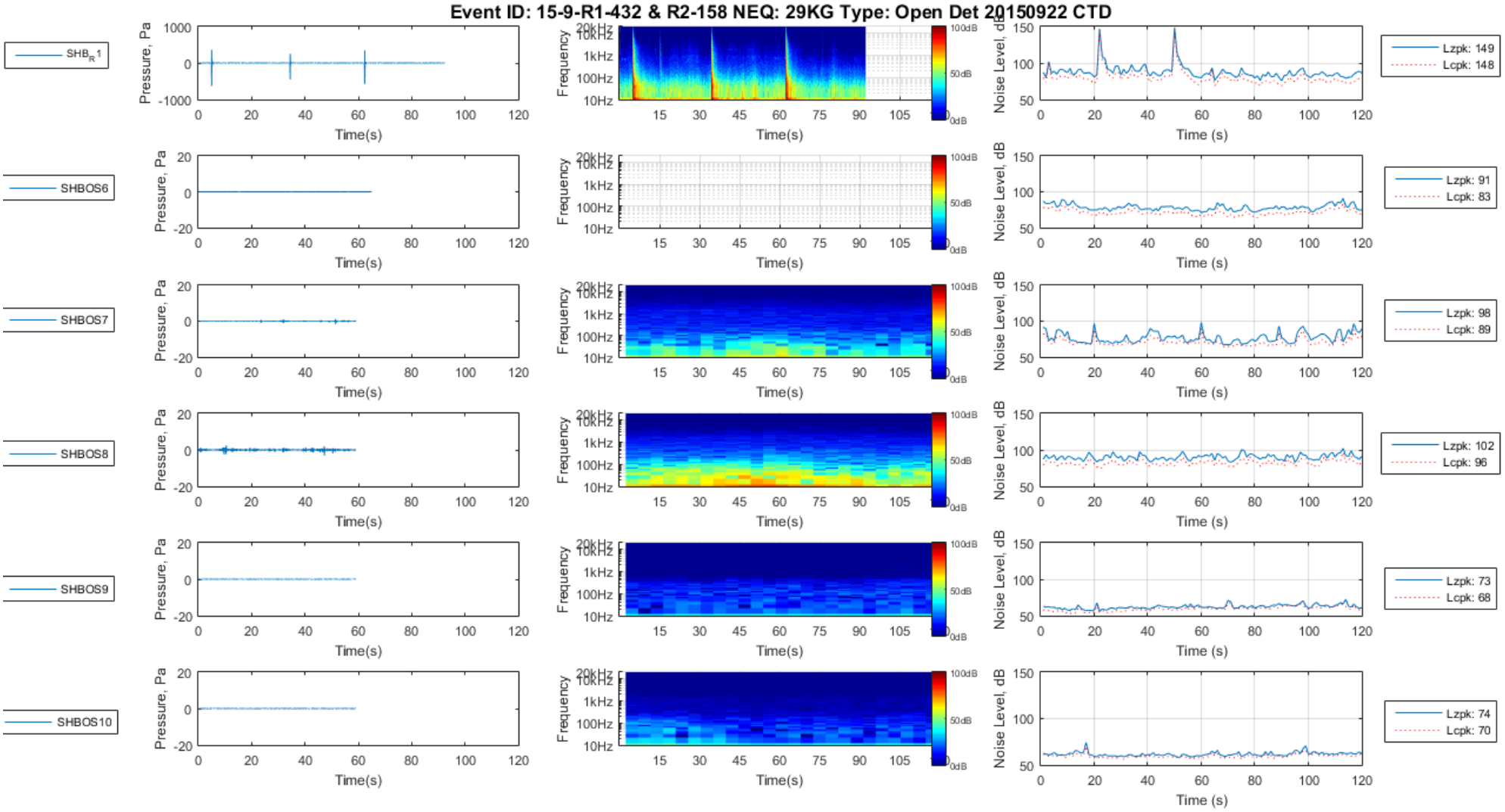


FIGURE 2.1222: SHB_OS 6 - 10 15-9-R1-432 & R2-158

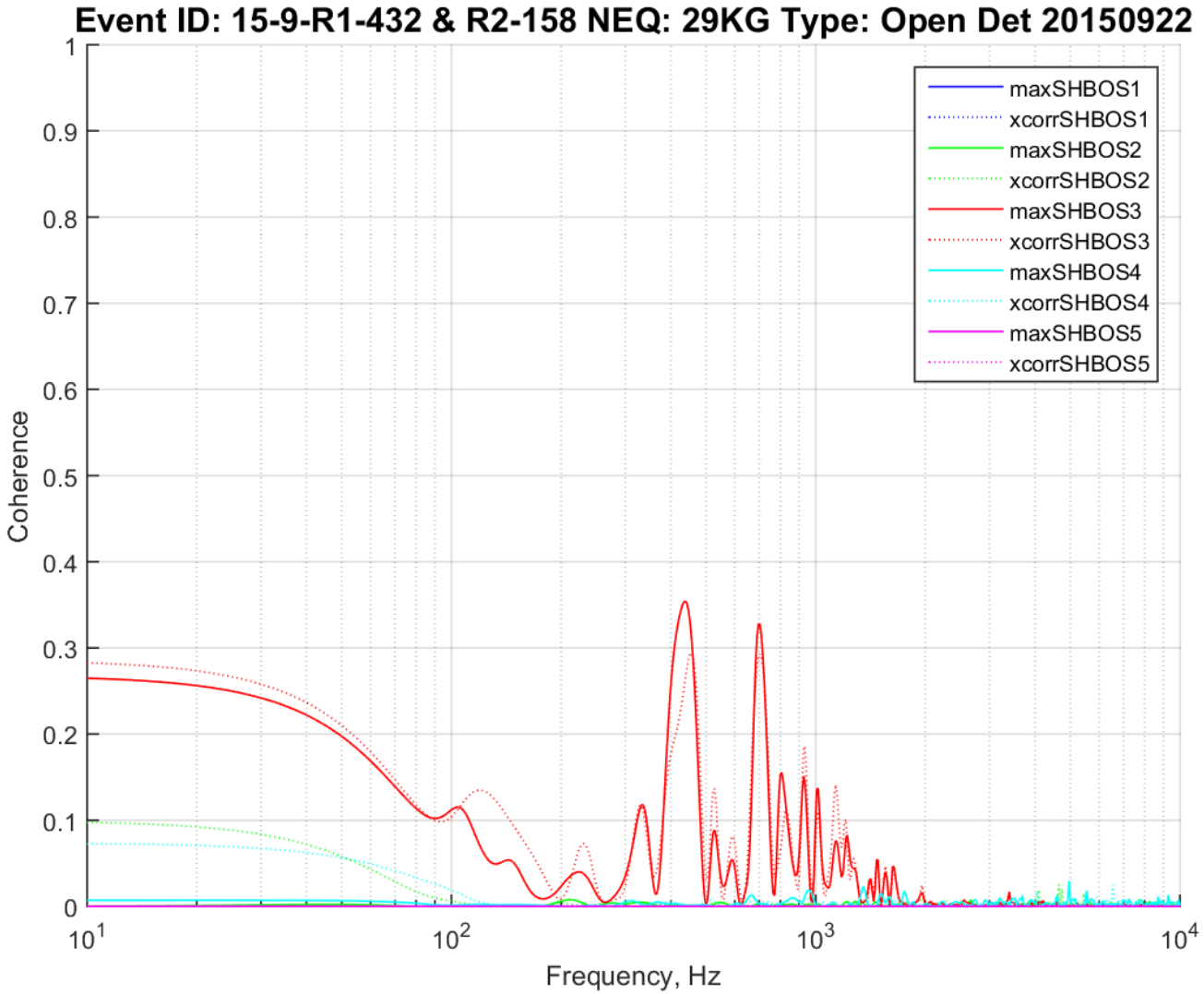


FIGURE 2.1223: COHERENCE SHB_OS 1 - 5 15-9-R1-432 & R2-158

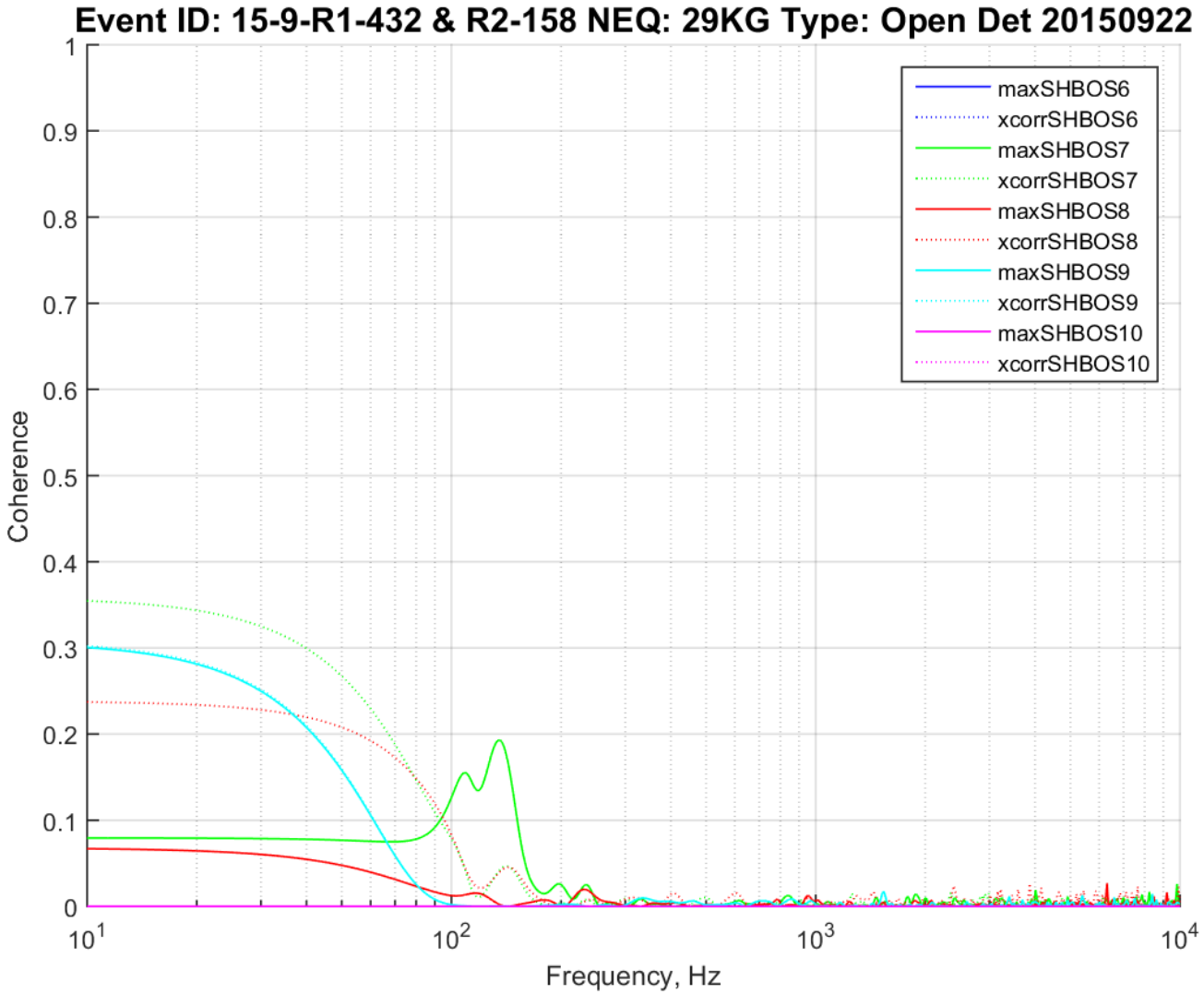


FIGURE 2.1224: COHERENCE SHB_OS 6 - 10 15-9-R1-432 & R2-158CTD

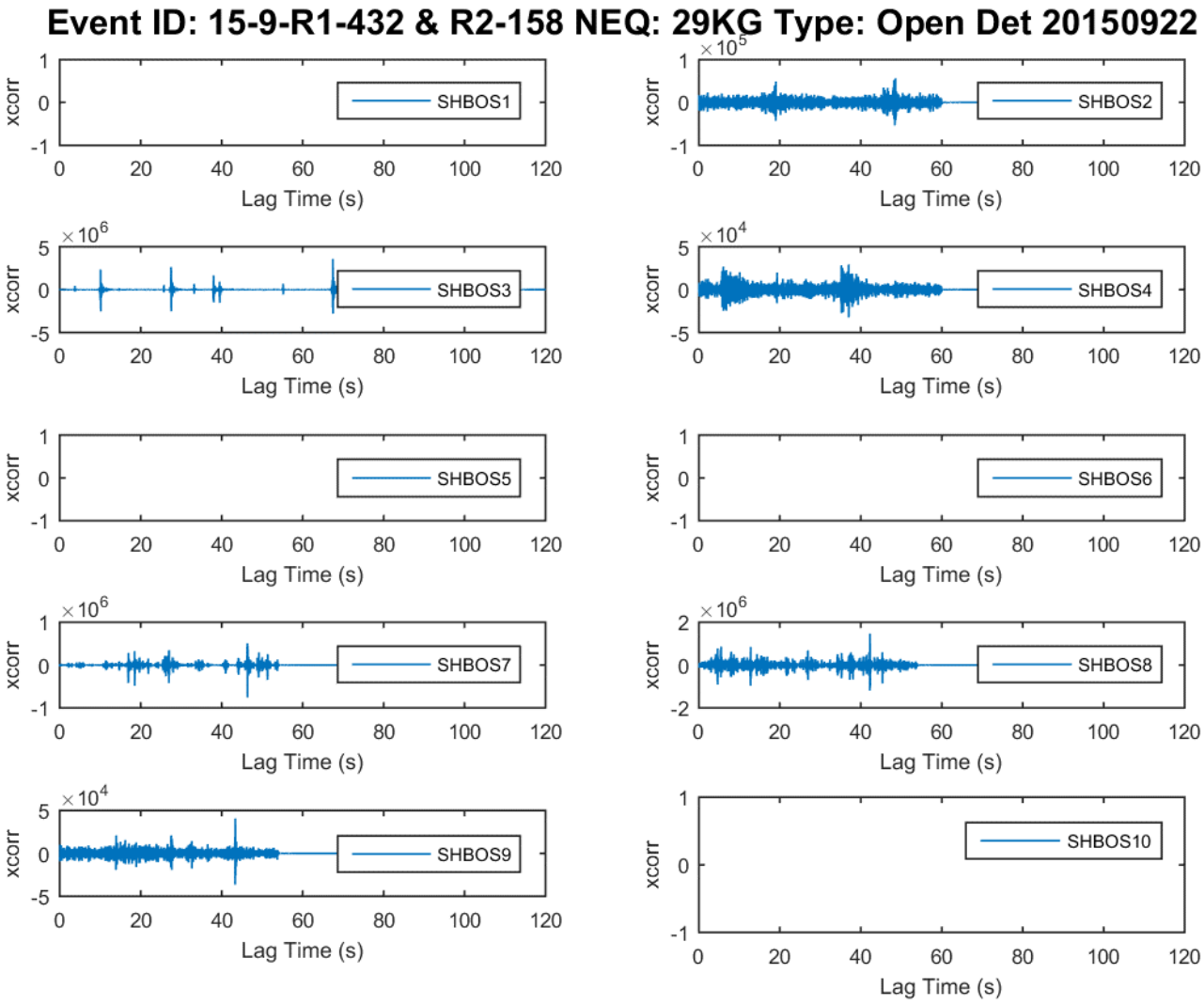


FIGURE 2.1225: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-432 & R2-158

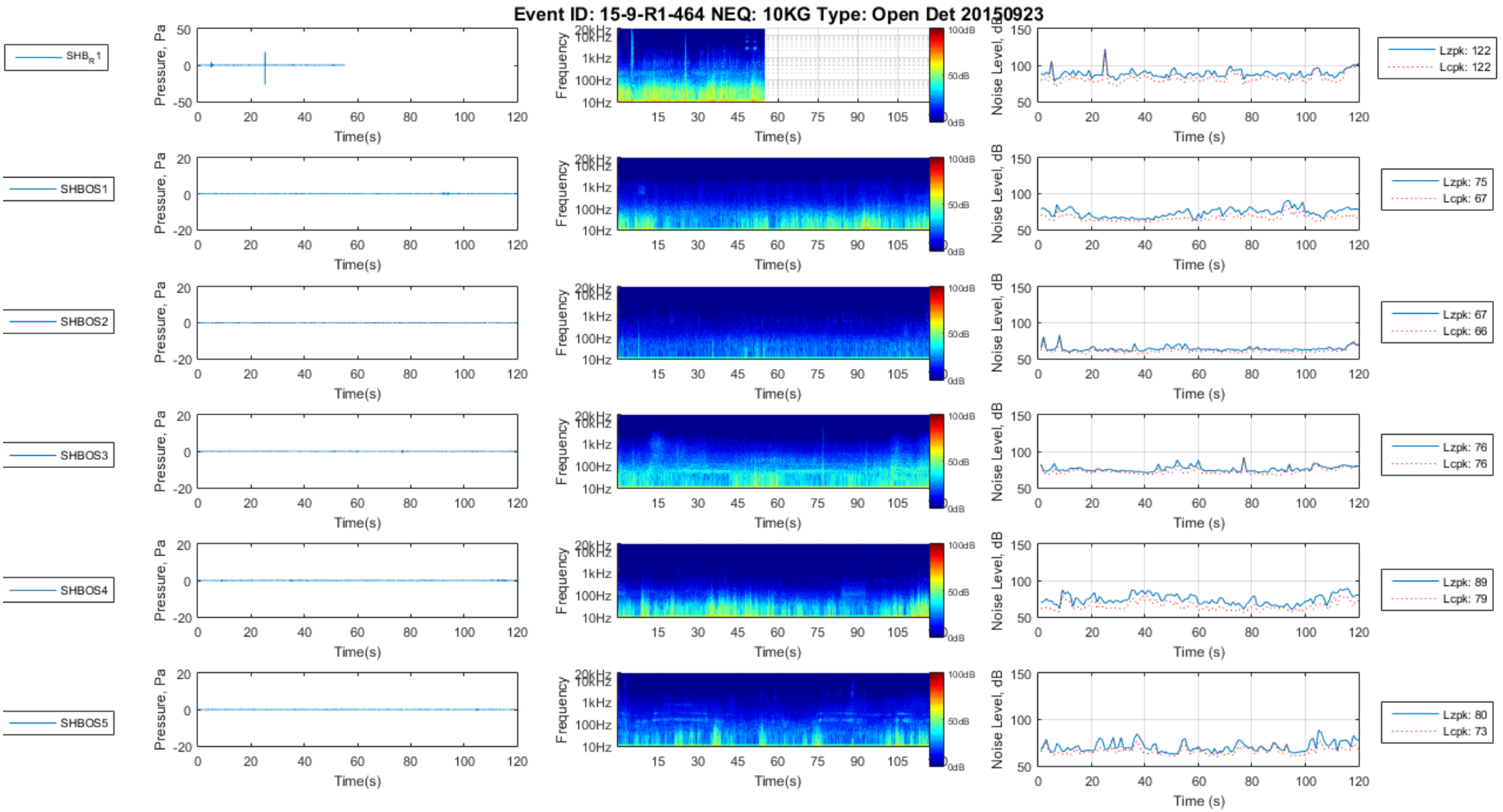


FIGURE 2.1226: SHB_OS 1 - 5 15-9-R1-464

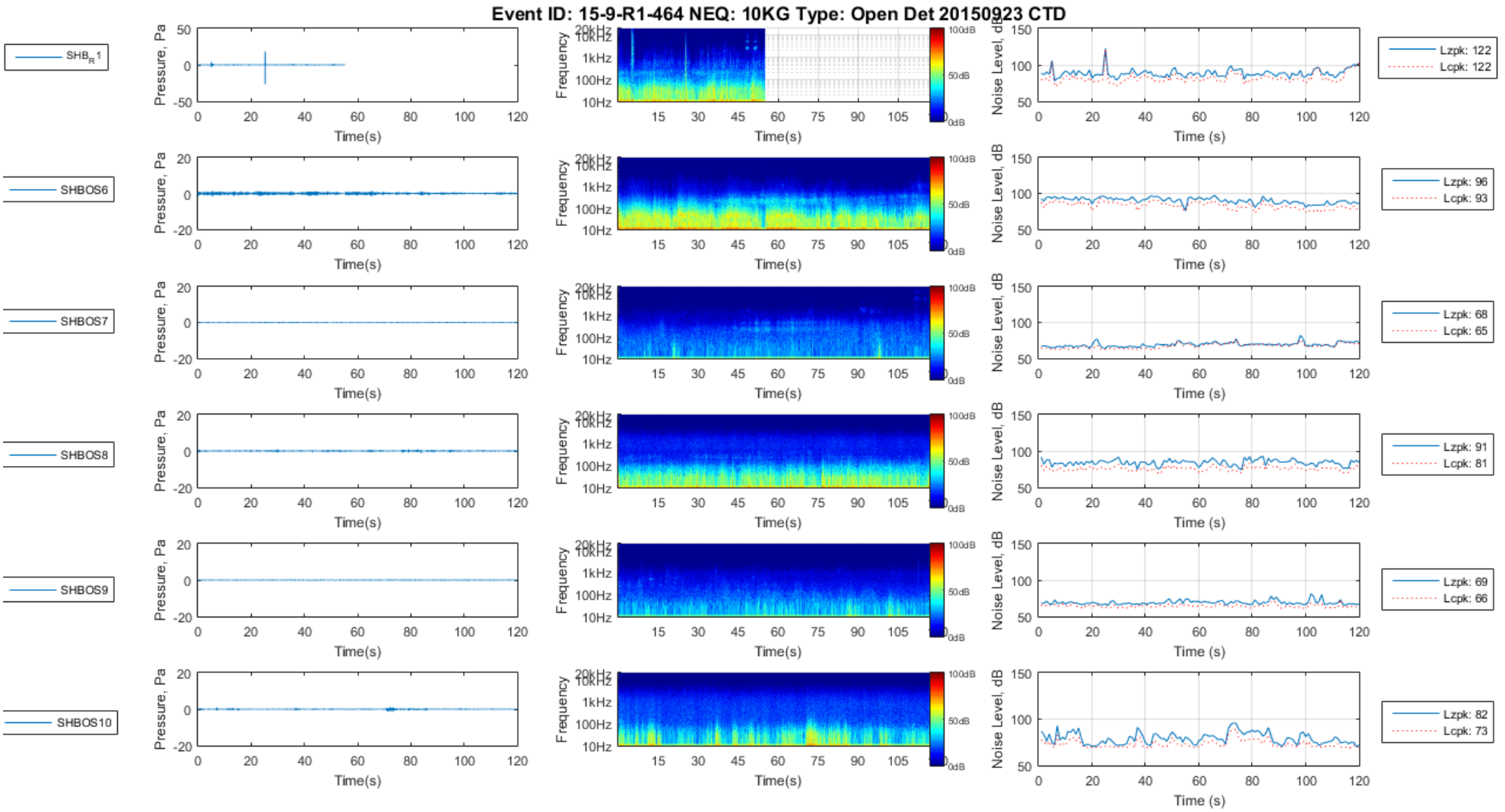


FIGURE 2.1227: SHB_OS 6 - 10 15-9-R1-464

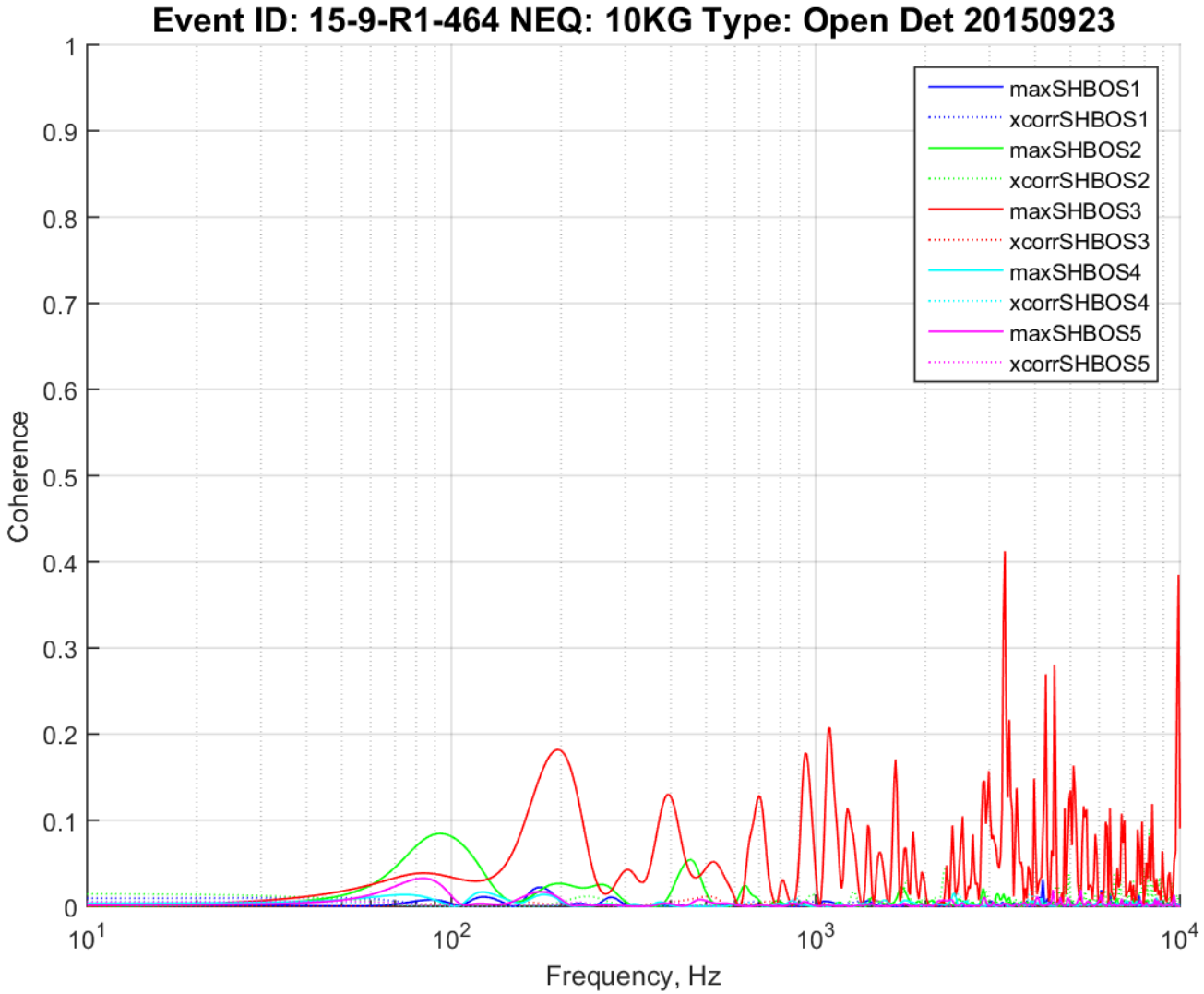


FIGURE 2.1228: COHERENCE SHB_OS 1 - 5 15-9-R1-464

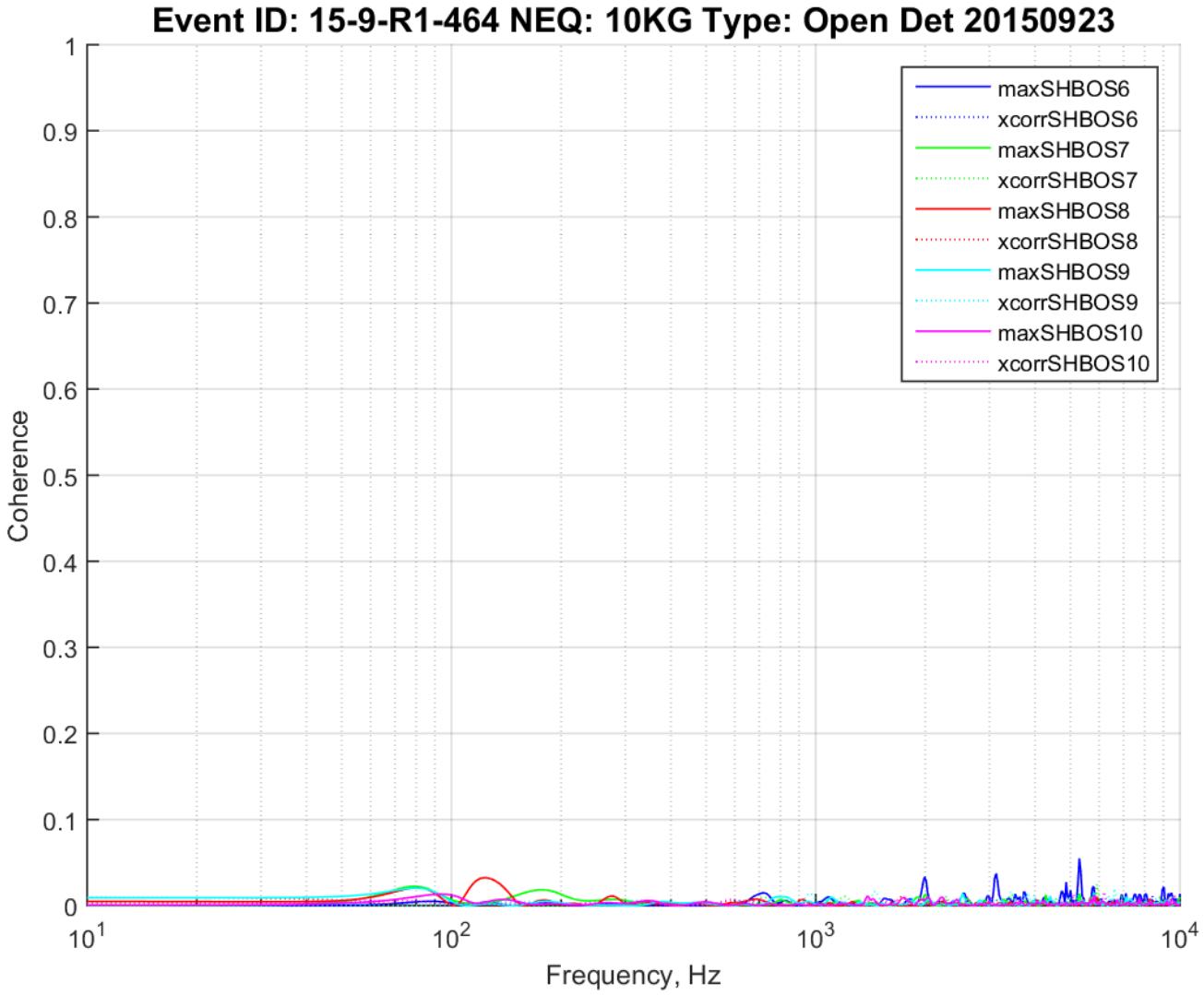


FIGURE 2.1229: COHERENCE SHB_OS 6 - 10 15-9-R1-464CTD

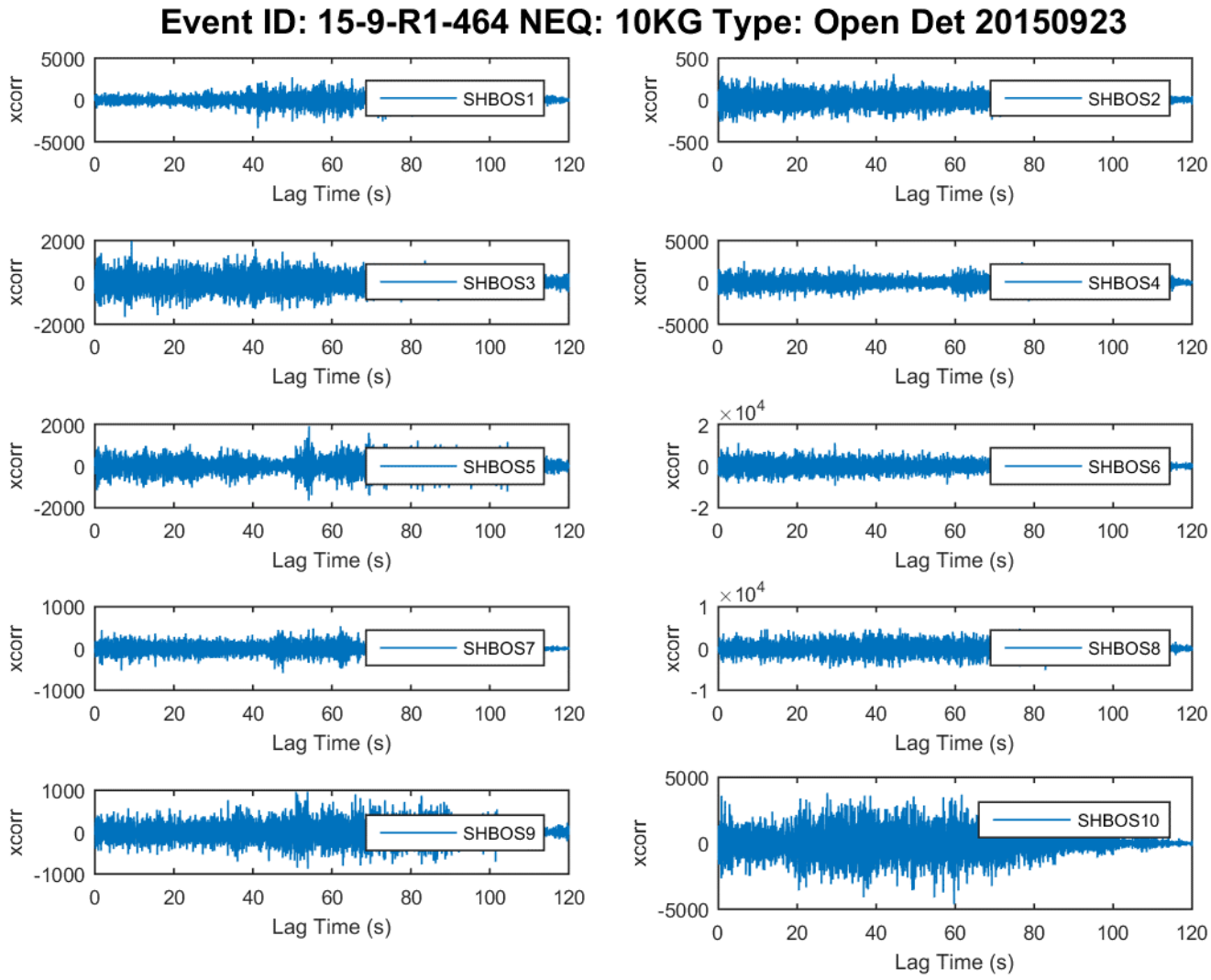


FIGURE 2.1230: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-464

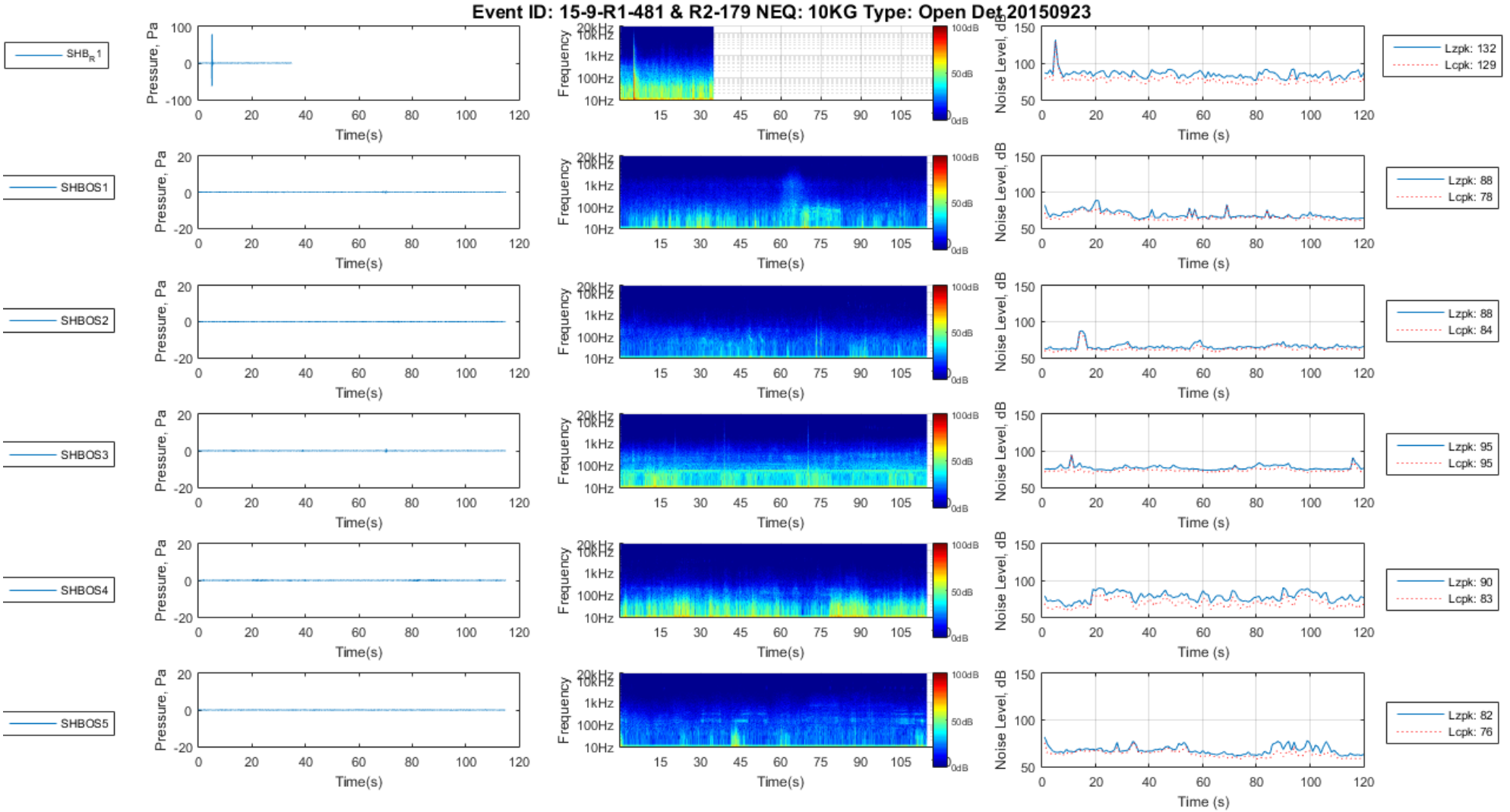


FIGURE 2.1231: SHB_OS 1 - 5 15-9-R1-481 & R2-179

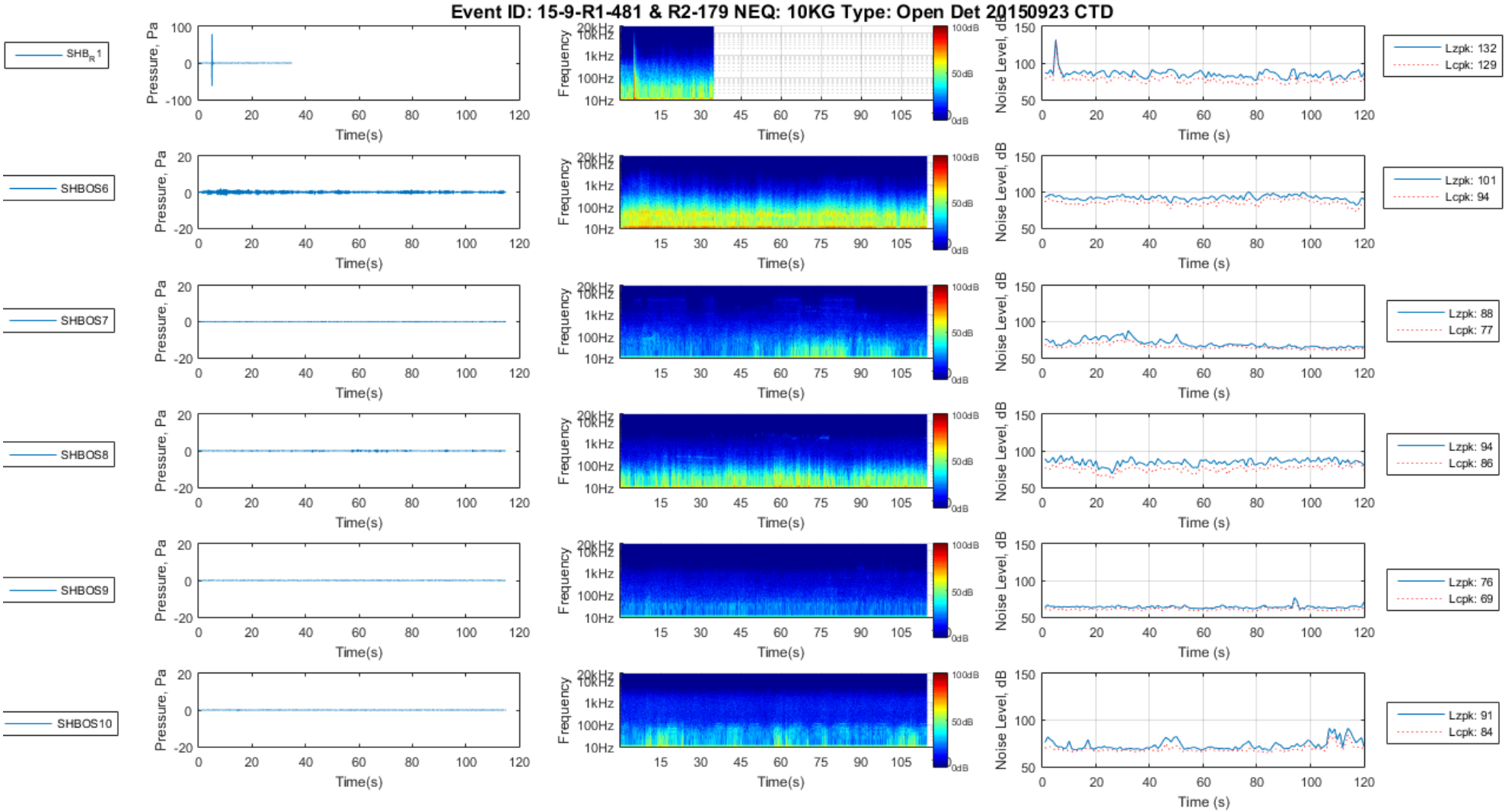


FIGURE 2.1232: SHB_OS 6 - 10 15-9-R1-481 & R2-179

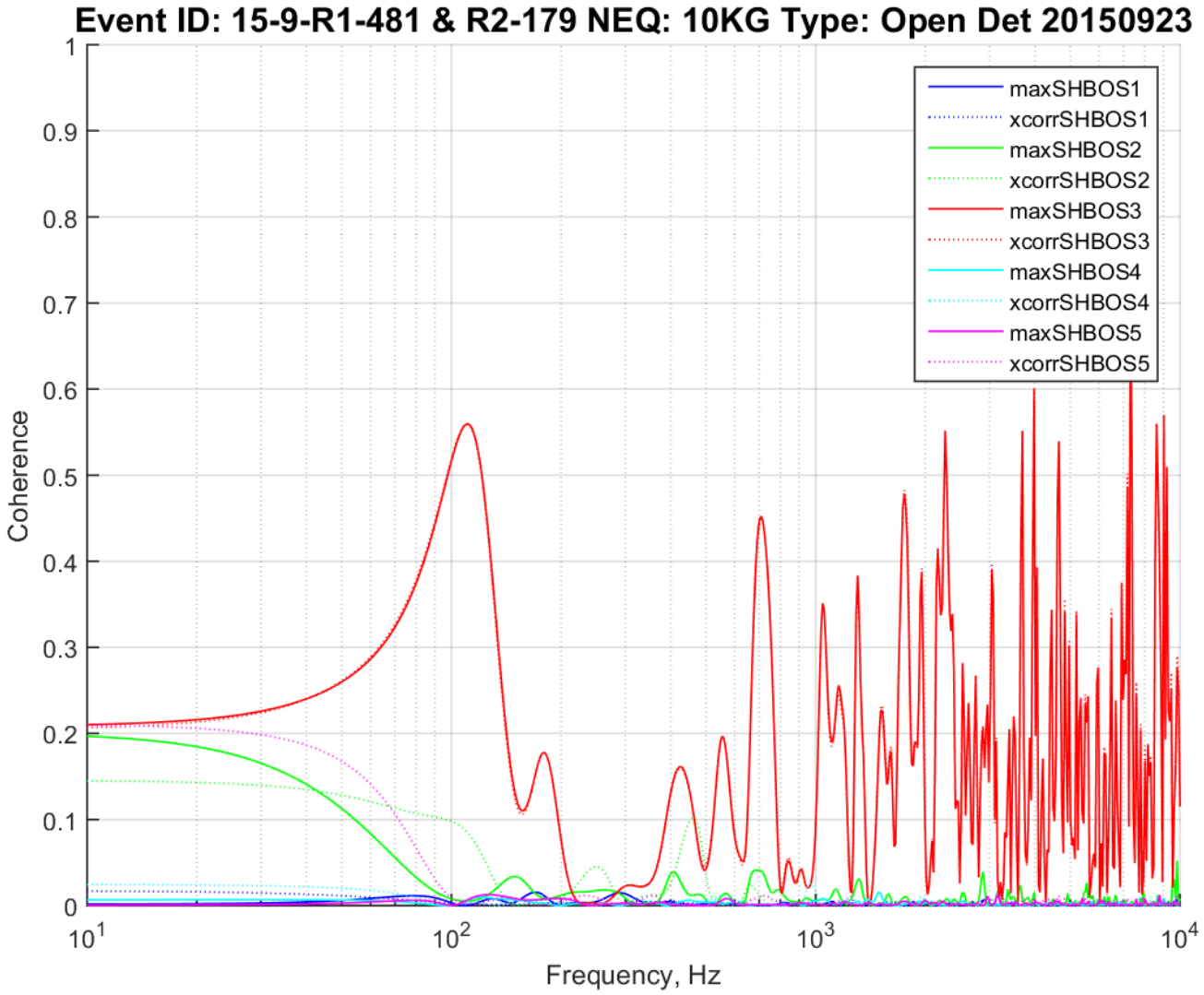


FIGURE 2.1233: COHERENCE SHB_OS 1 - 5 15-9-R1-481 & R2-179

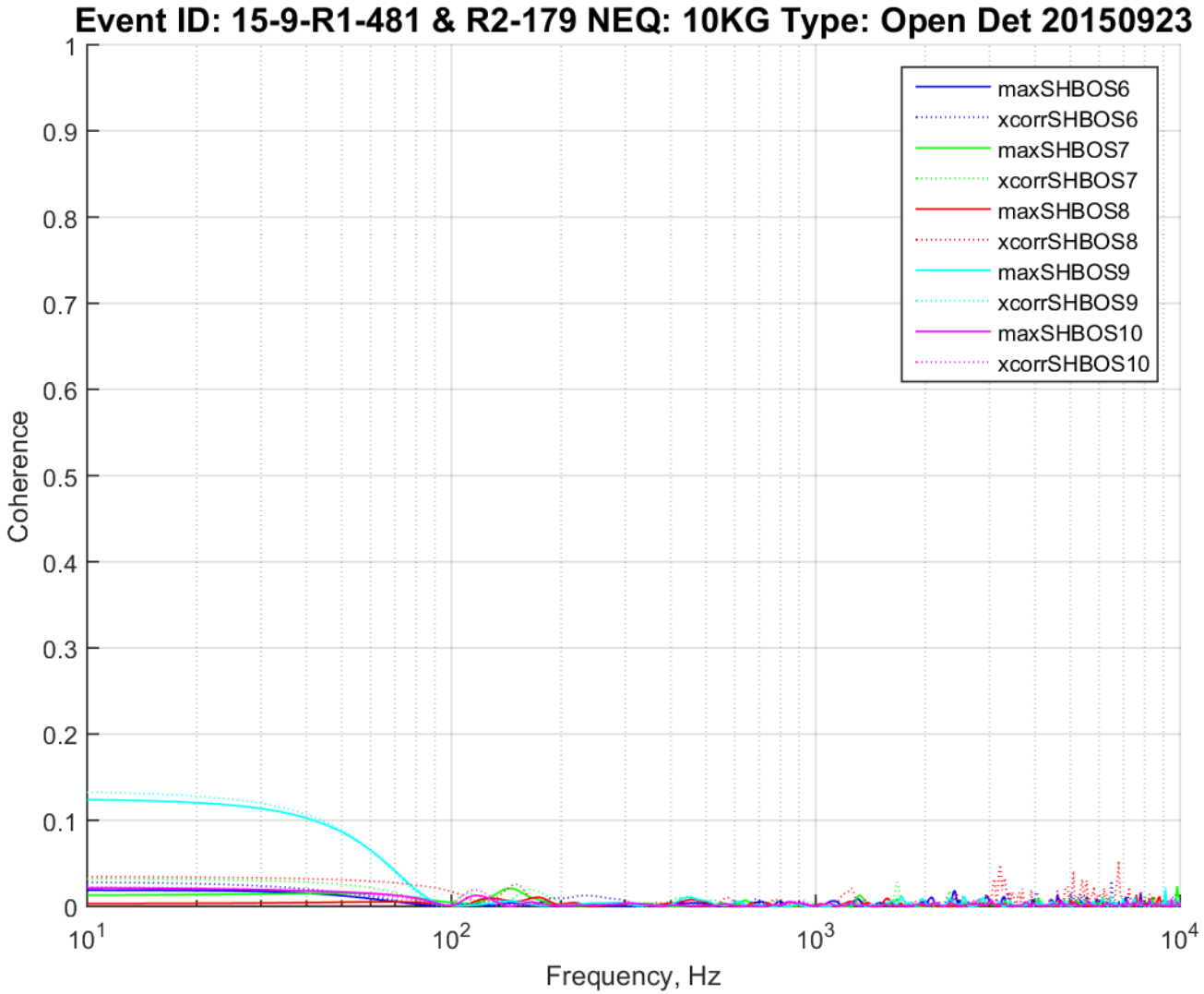


FIGURE 2.1234: COHERENCE SHB_OS 6 - 10 15-9-R1-481 & R2-179CTD

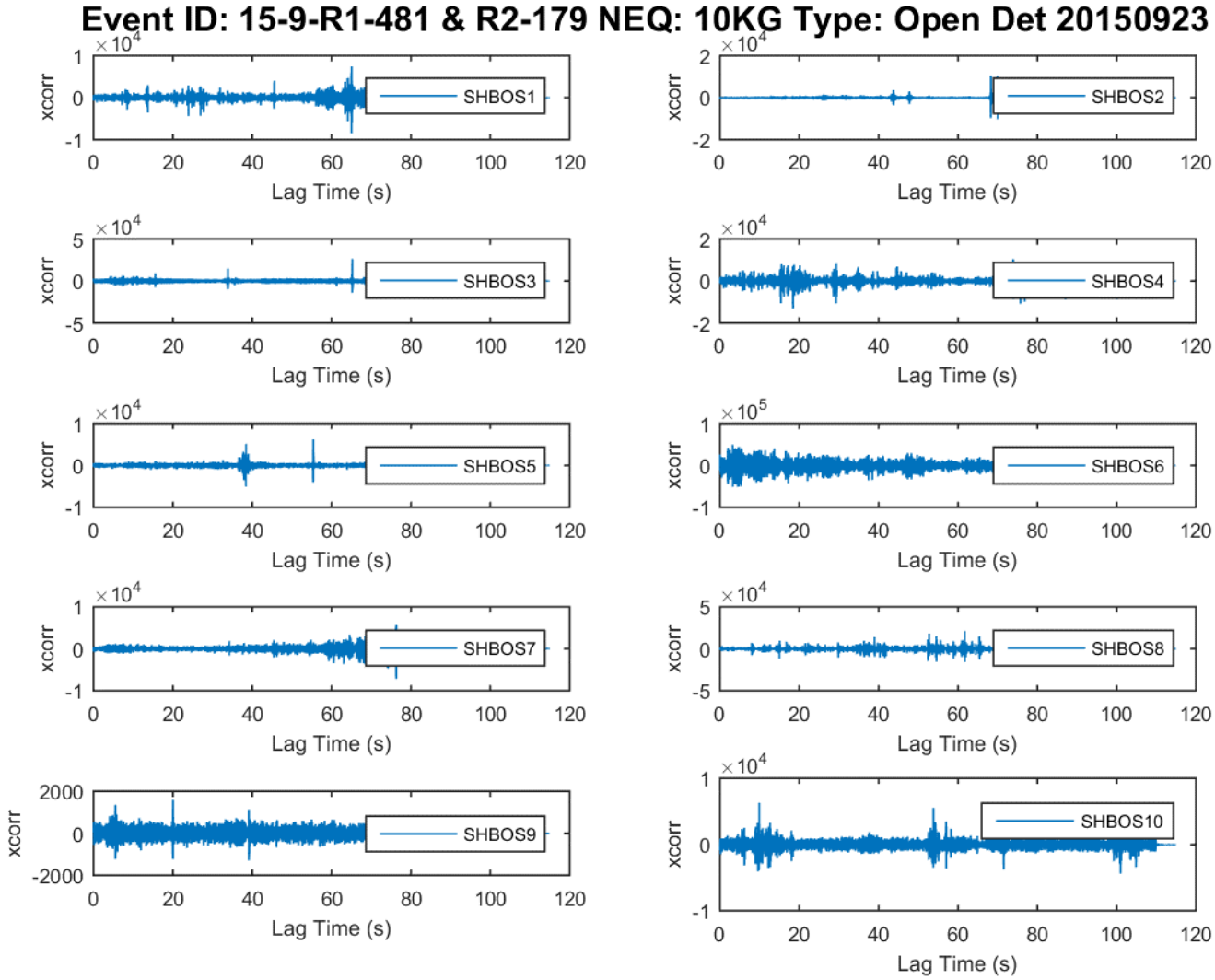


FIGURE 2.1235: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-481 & R2-179

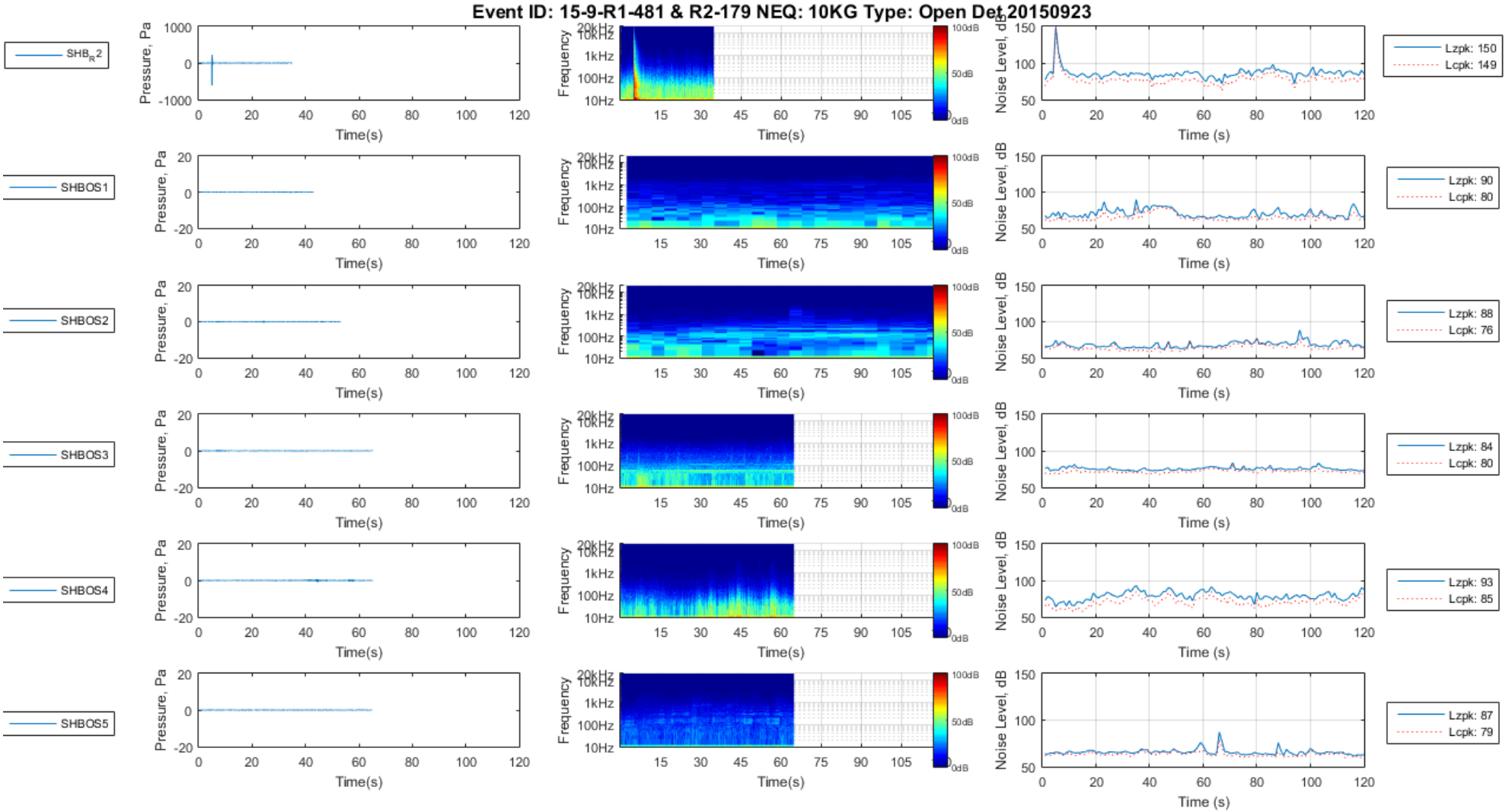


FIGURE 2.1236: SHB_OS 1 - 5 15-9-R1-481 & R2-179

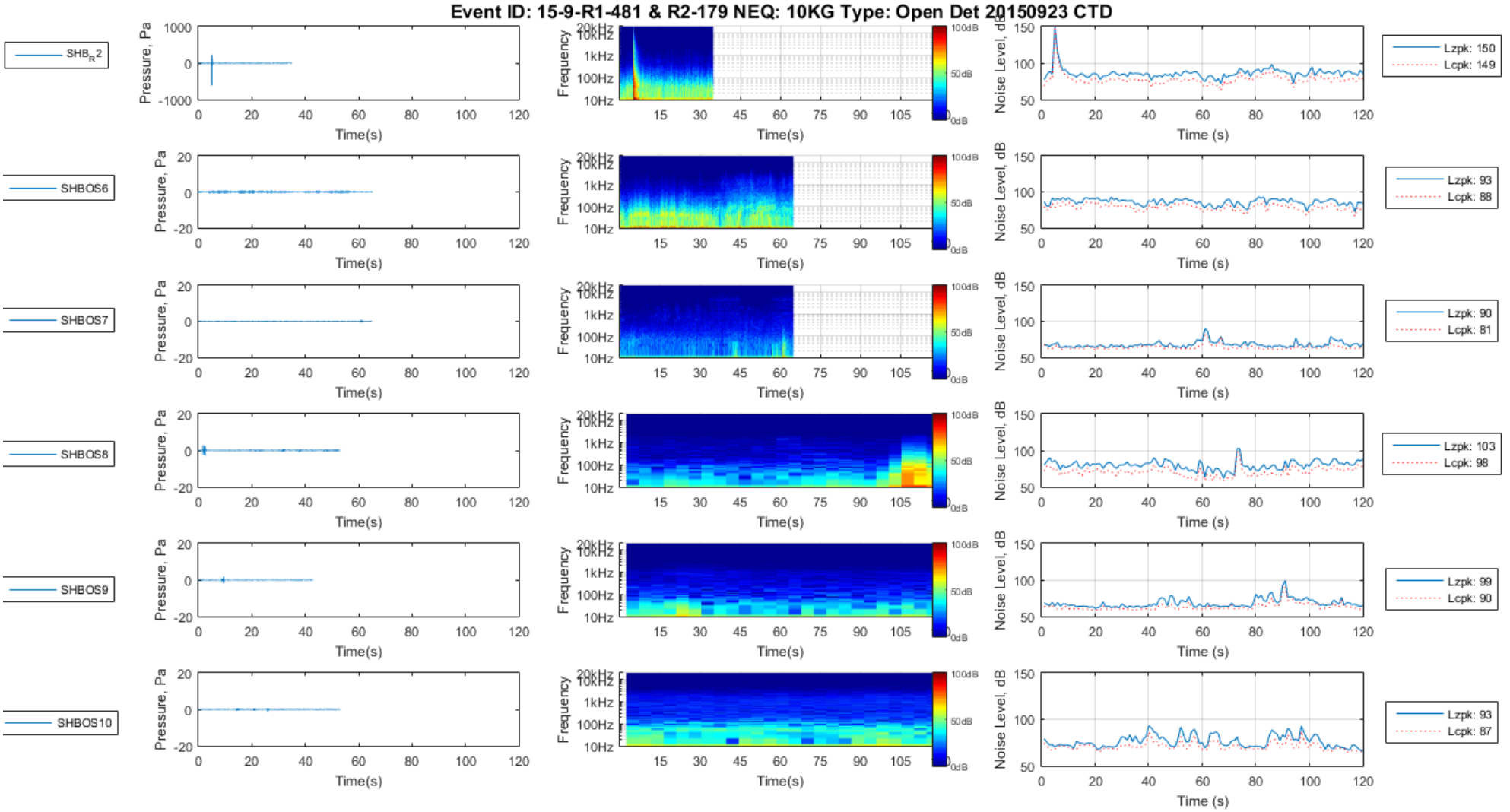


FIGURE 2.1237: SHB_OS 6 - 10 15-9-R1-481 & R2-179

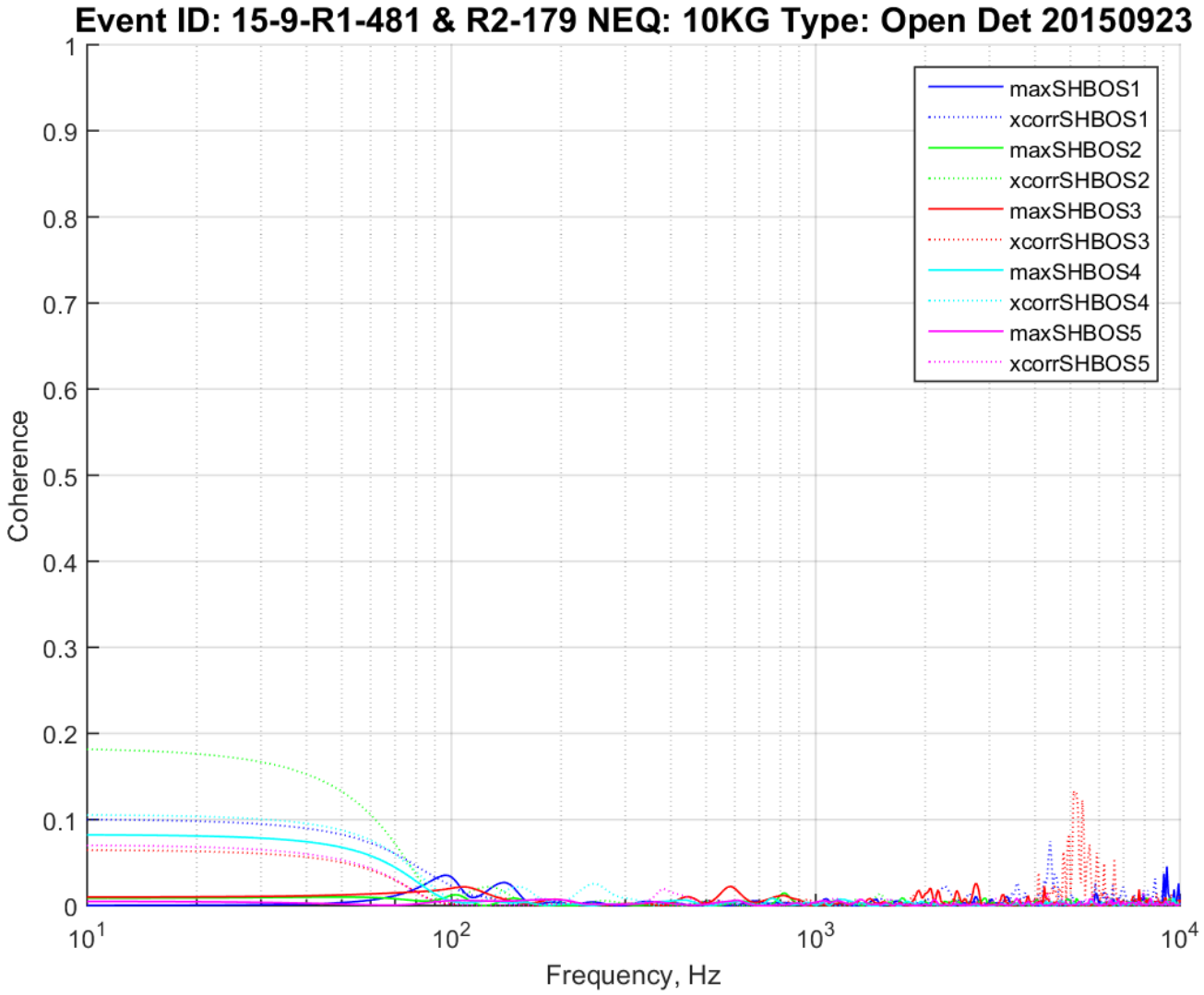


FIGURE 2.1238: COHERENCE SHB_OS 1 - 5 15-9-R1-481 & R2-179

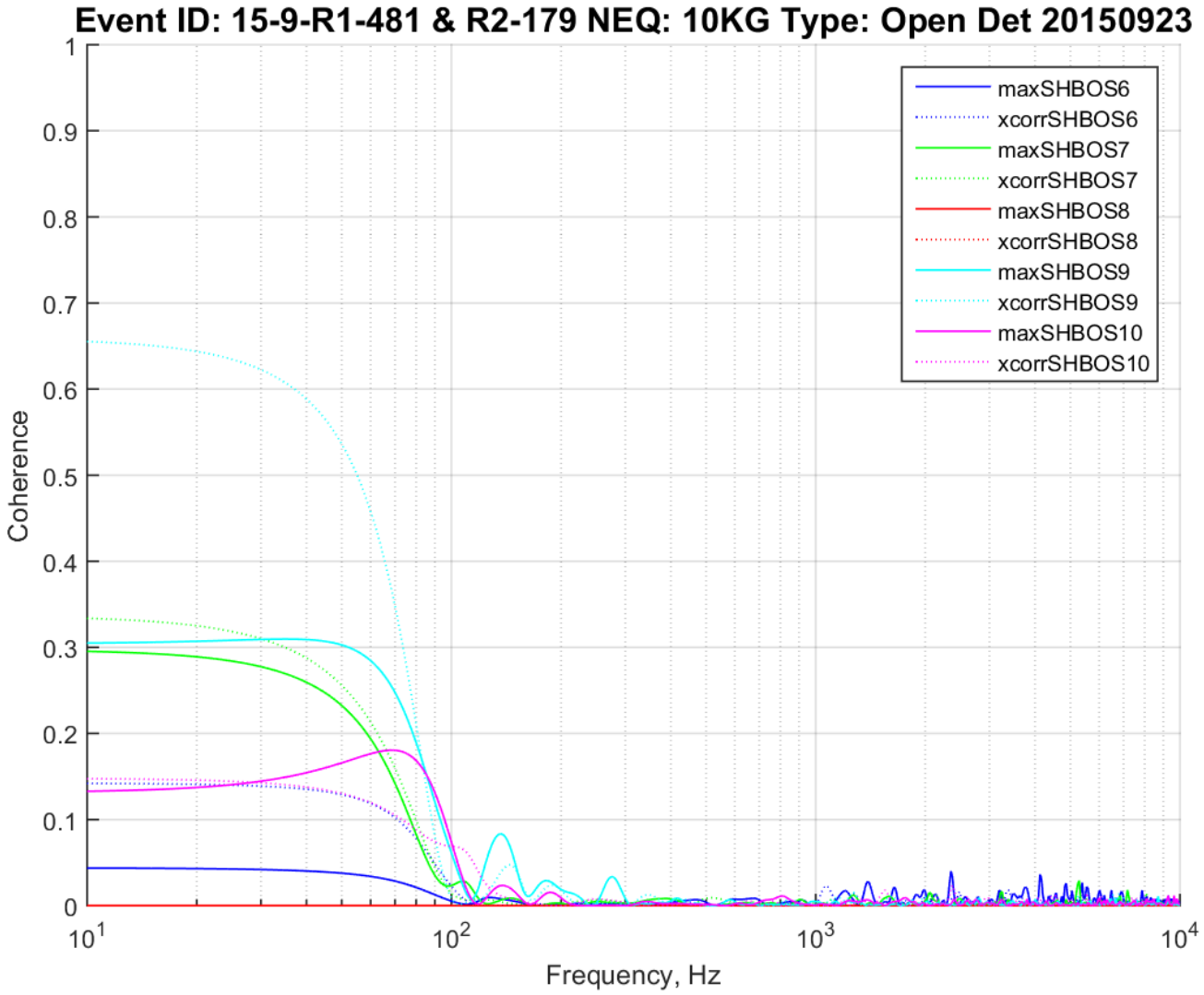


FIGURE 2.1239: COHERENCE SHB_OS 6 - 10 15-9-R1-481 & R2-179CTD

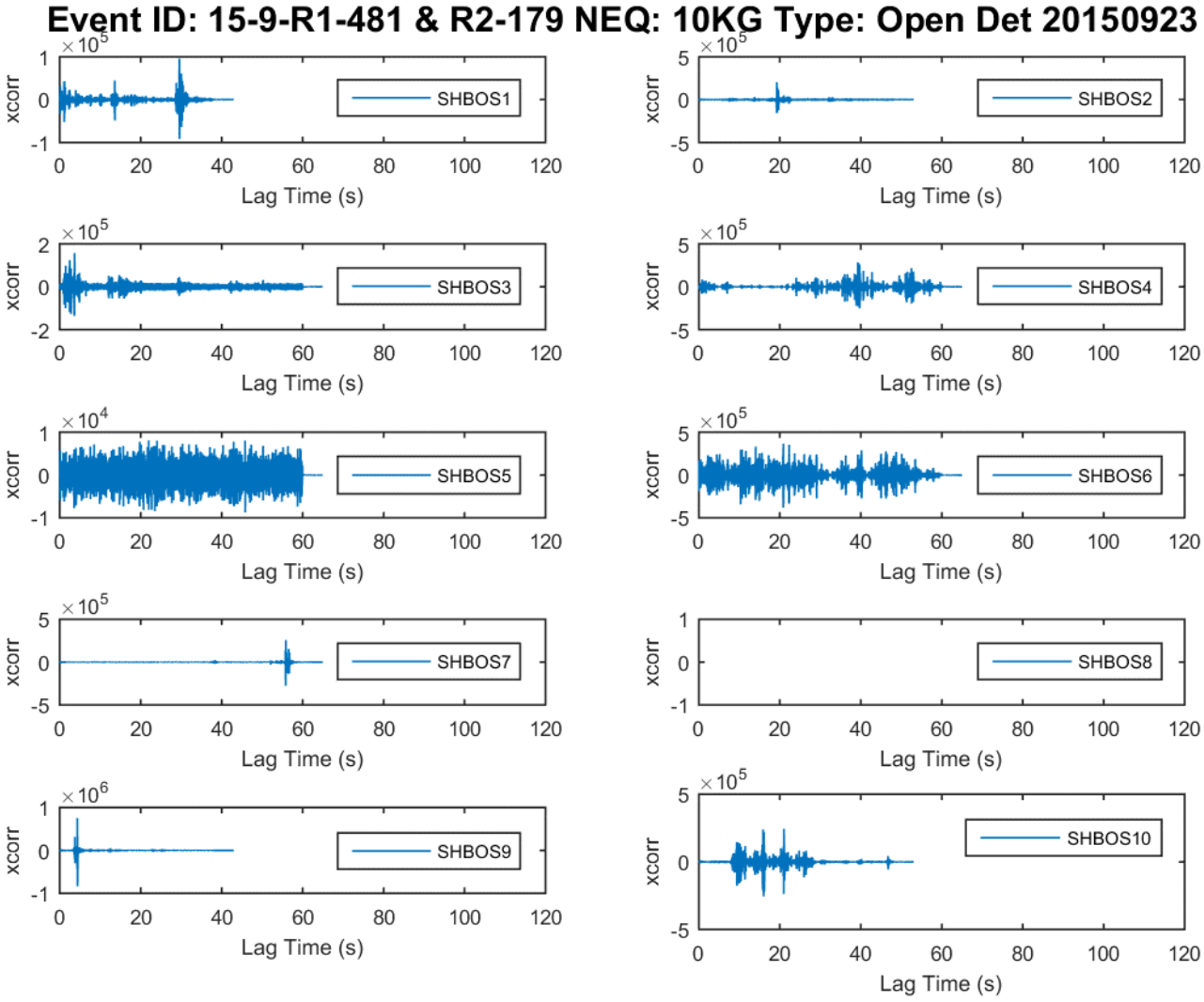


FIGURE 2.1240: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-481 & R2-179

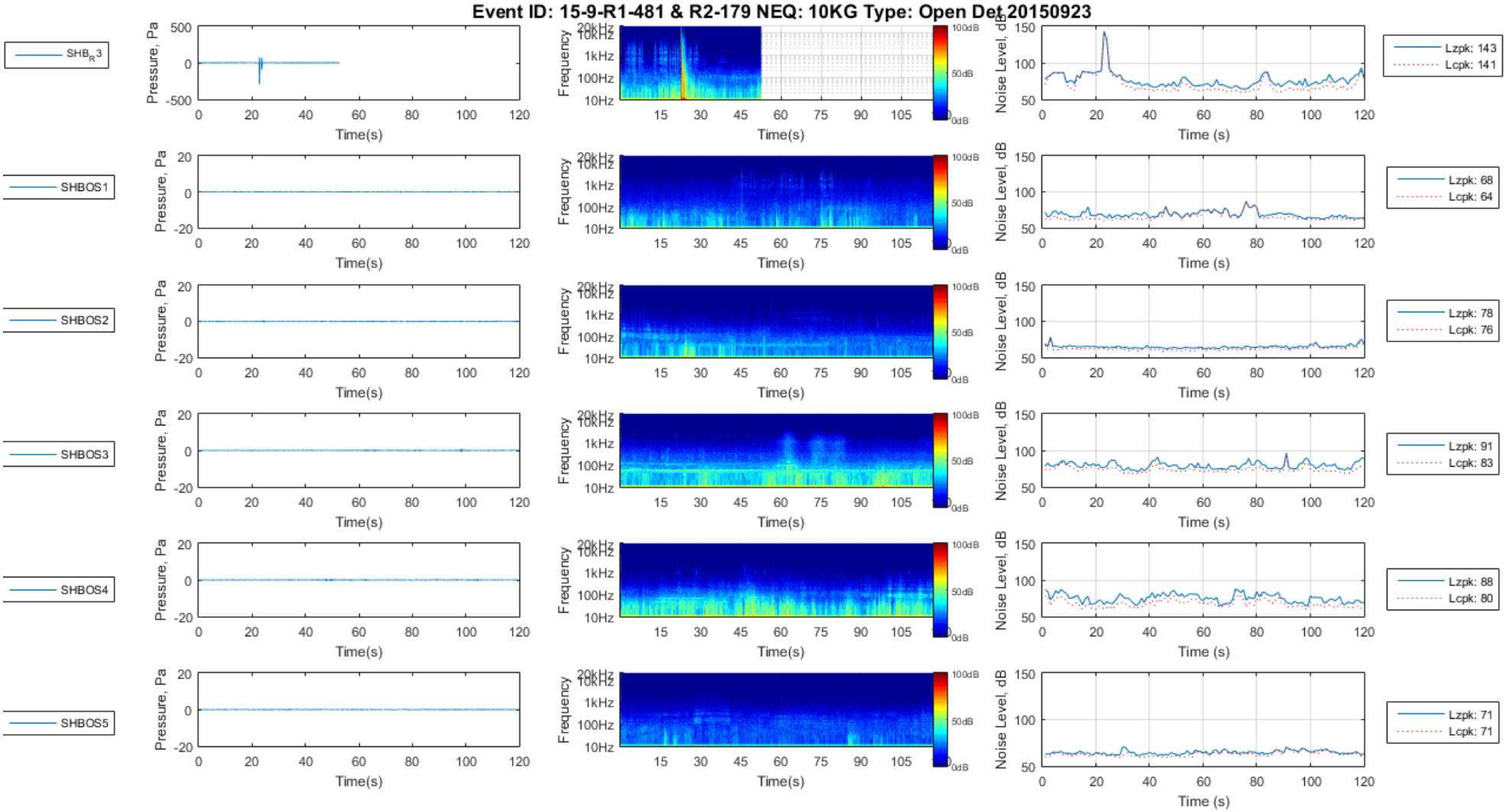


FIGURE 2.1241: SHB_OS 1 - 5 15-9-R1-481 & R2-179

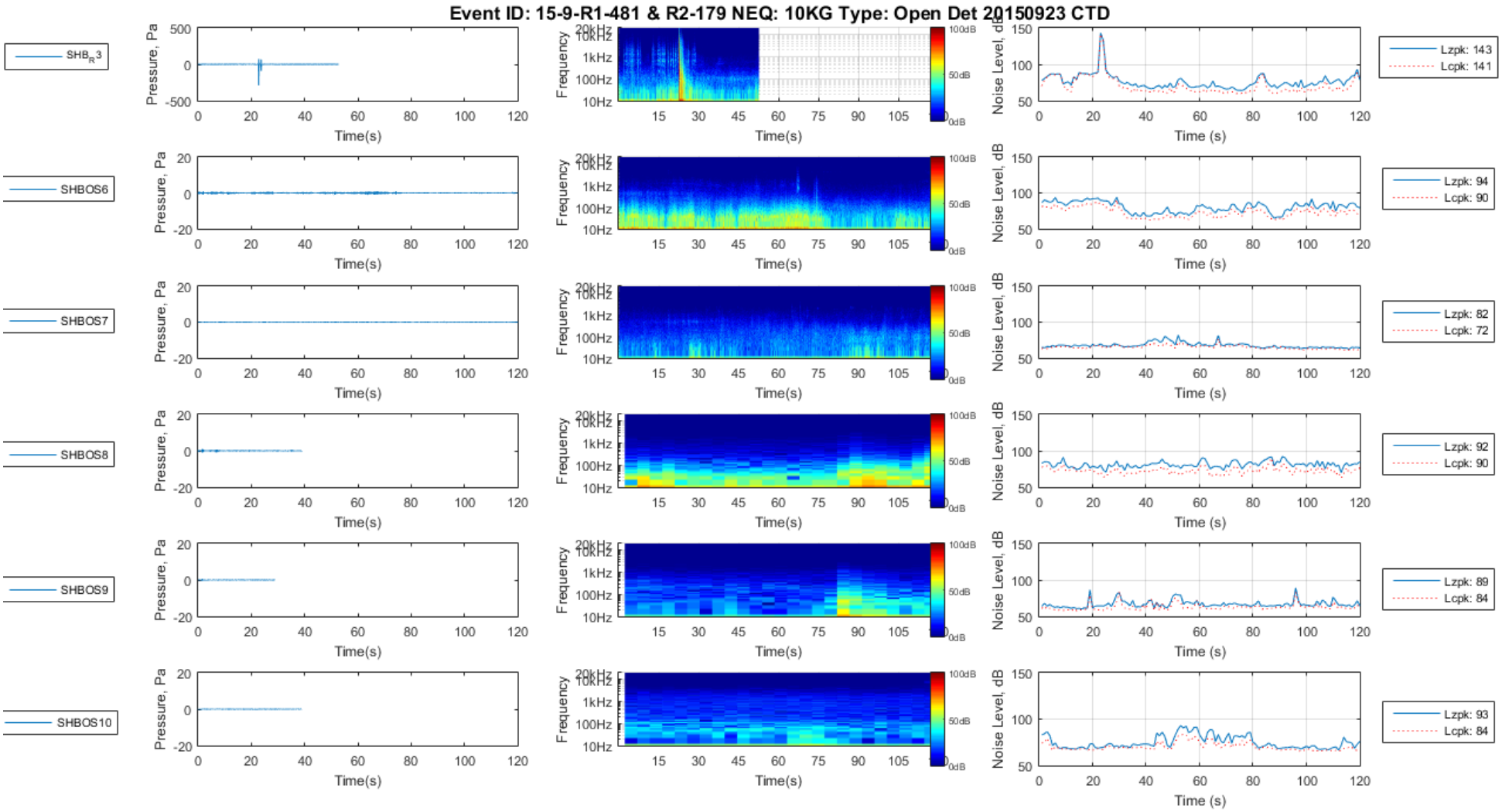


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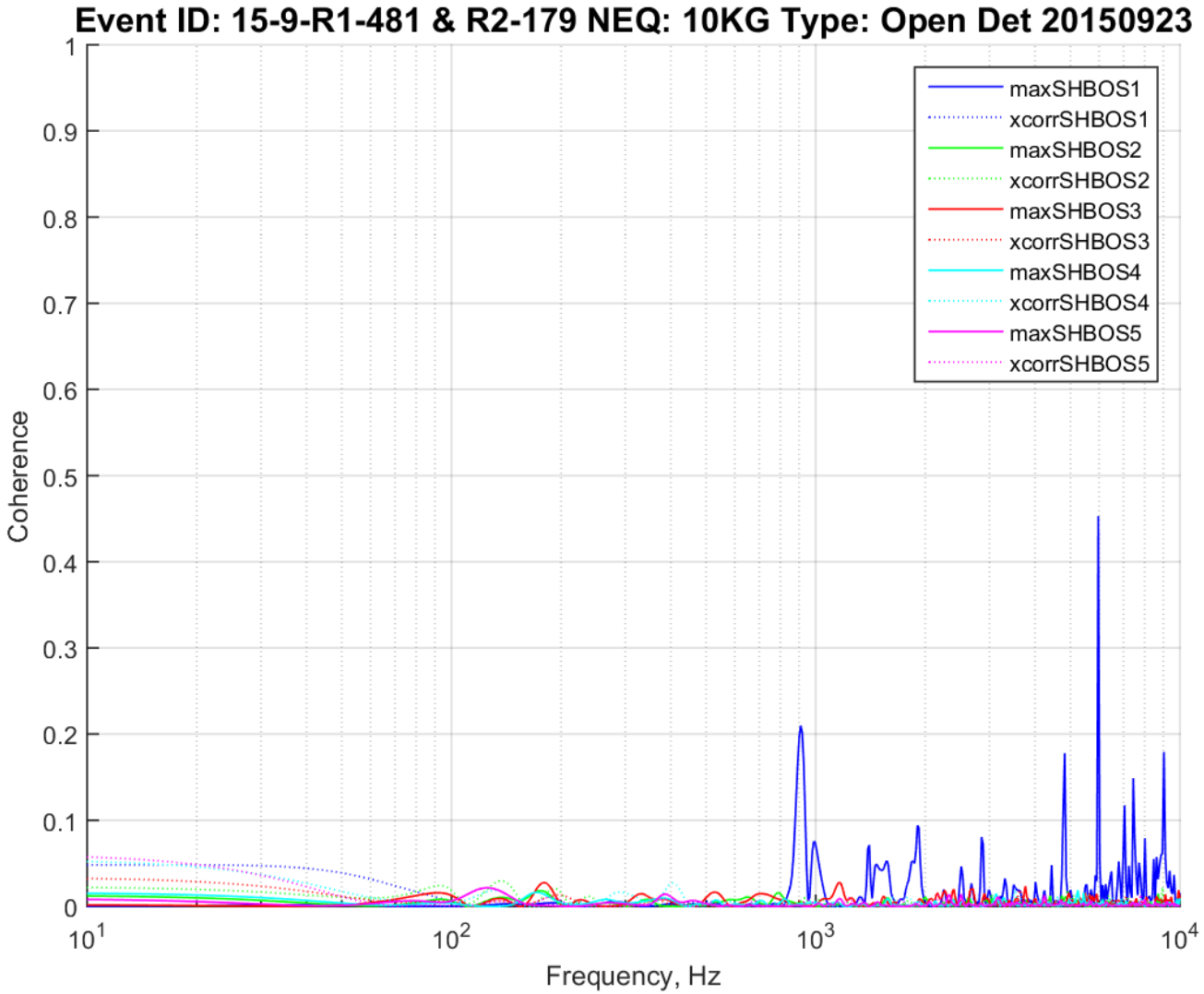


FIGURE 2.1243: COHERENCE SHB_OS 1 - 5 15-9-R1-481 & R2-179

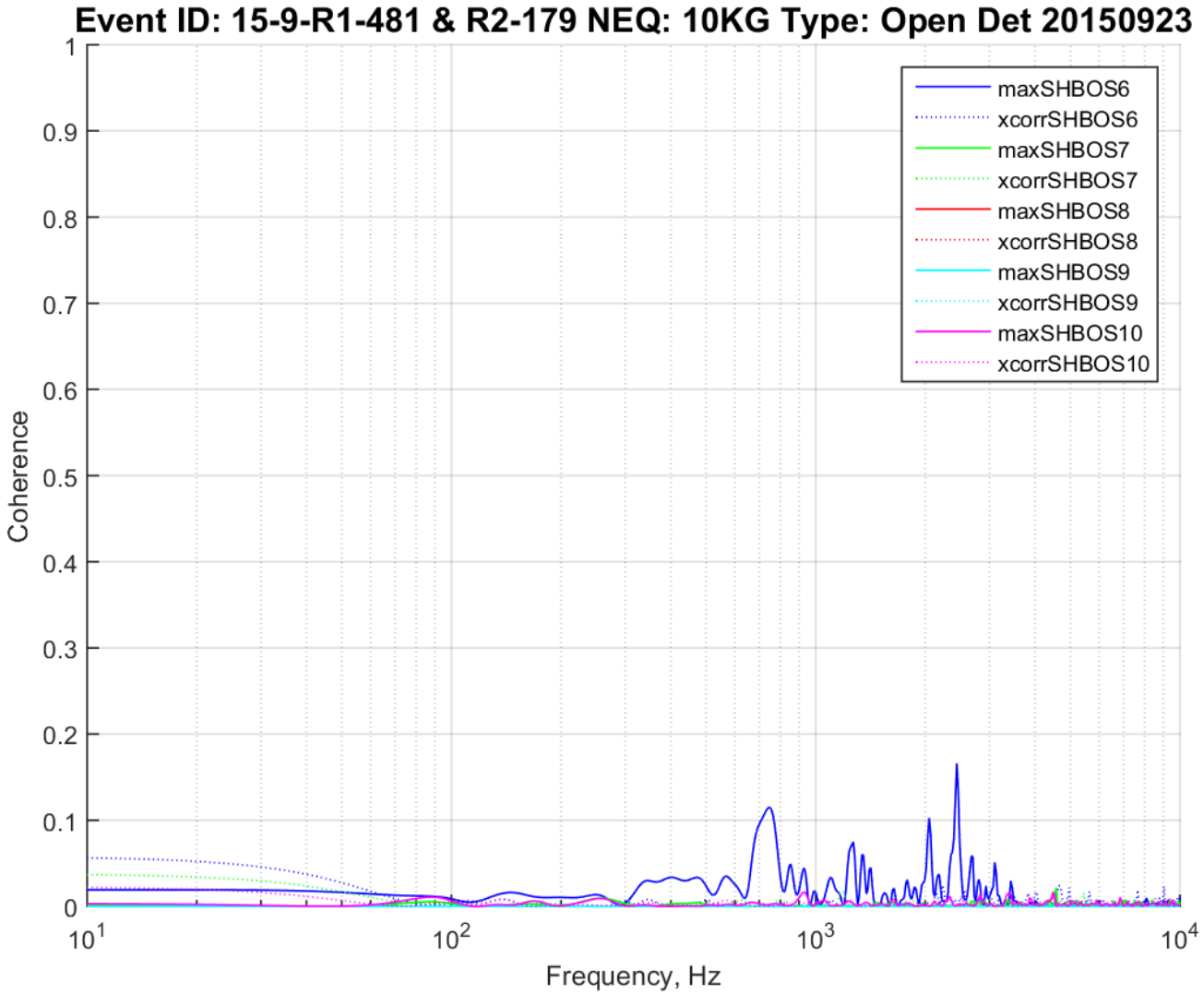


FIGURE 2.1244: COHERENCE SHB_OS 6 - 10 15-9-R1-481 & R2-179CTD

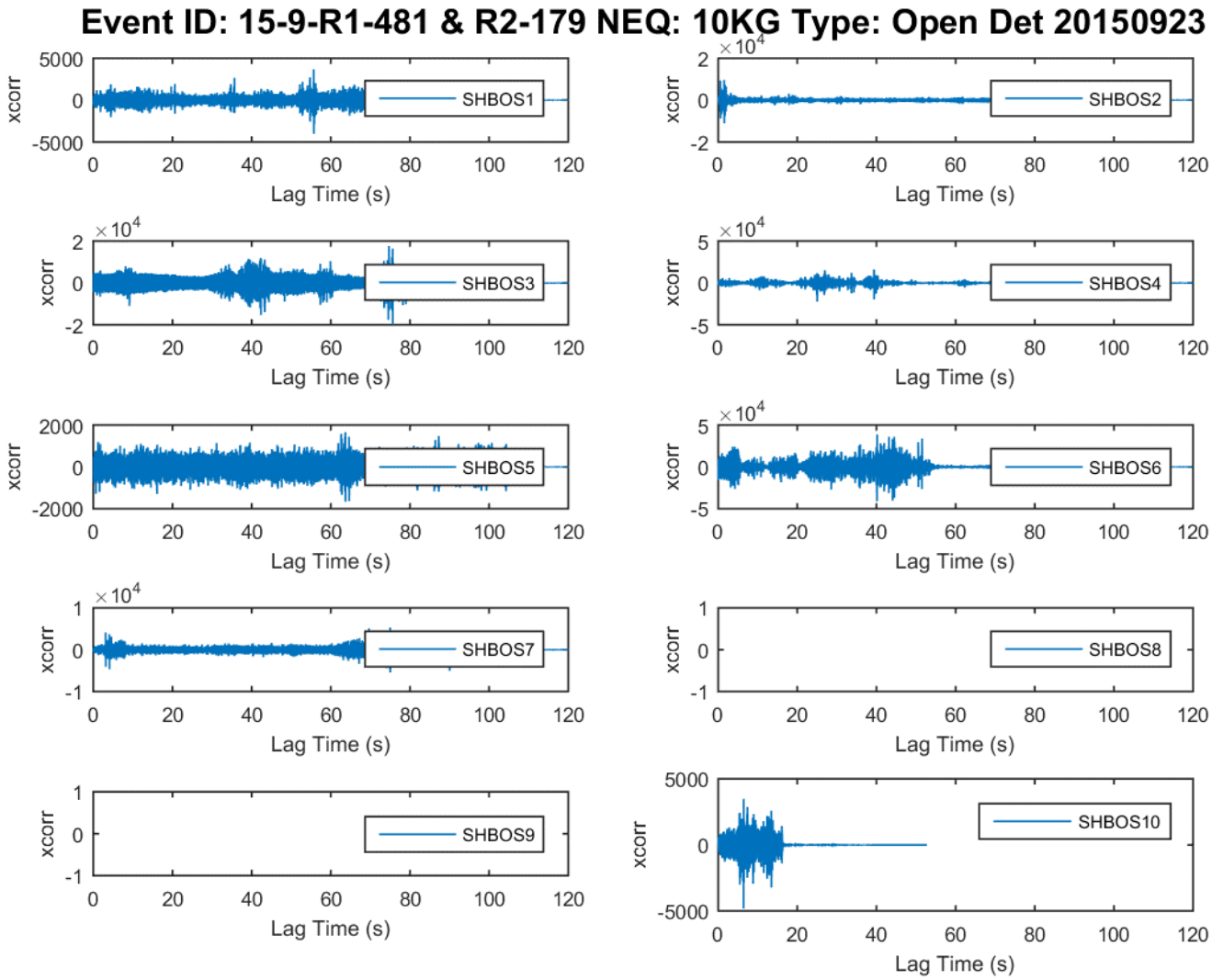


FIGURE 2.1245: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-481 & R2-179

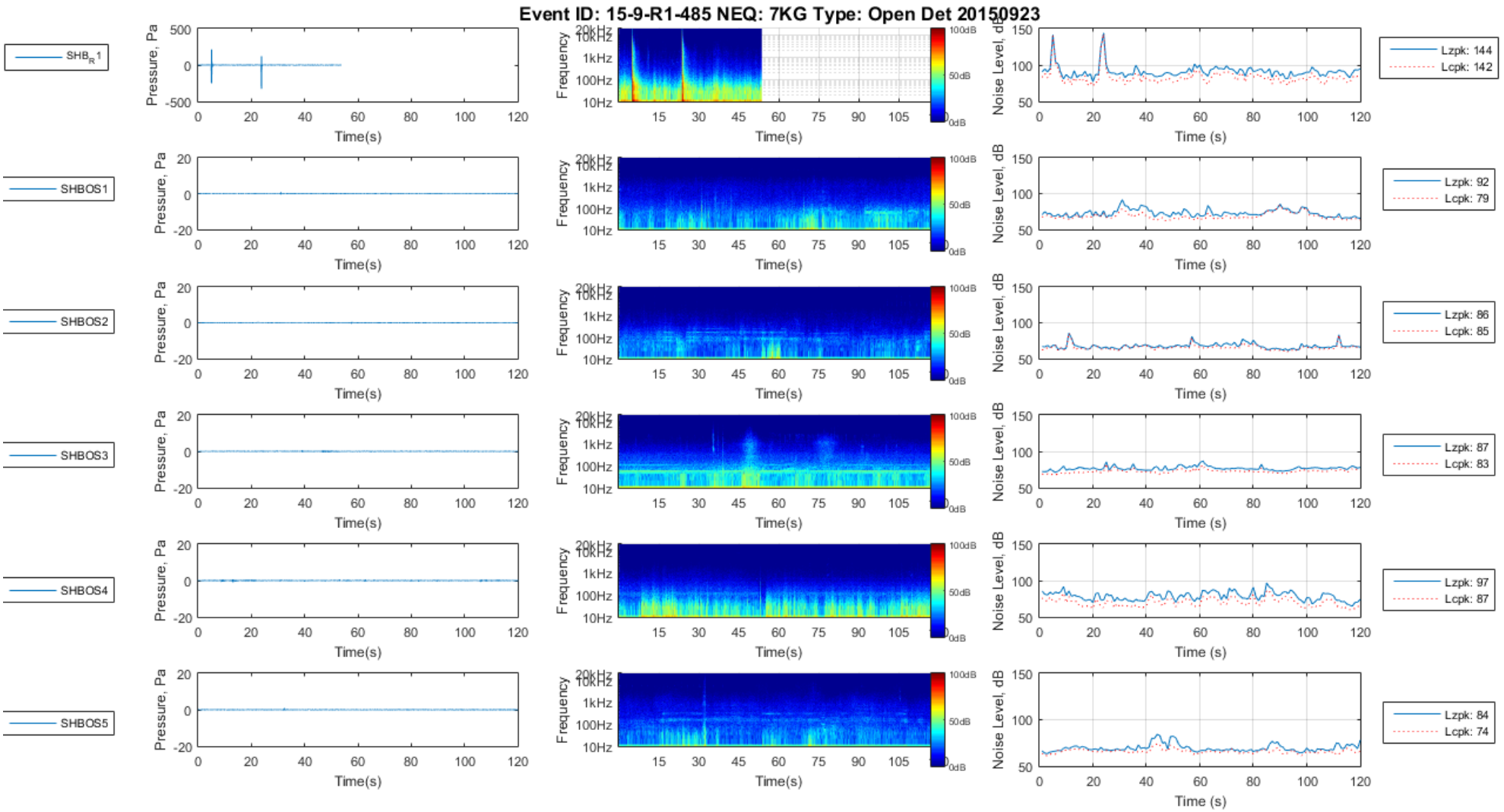


FIGURE 2.1246: SHB_OS 1 - 5 15-9-R1-485

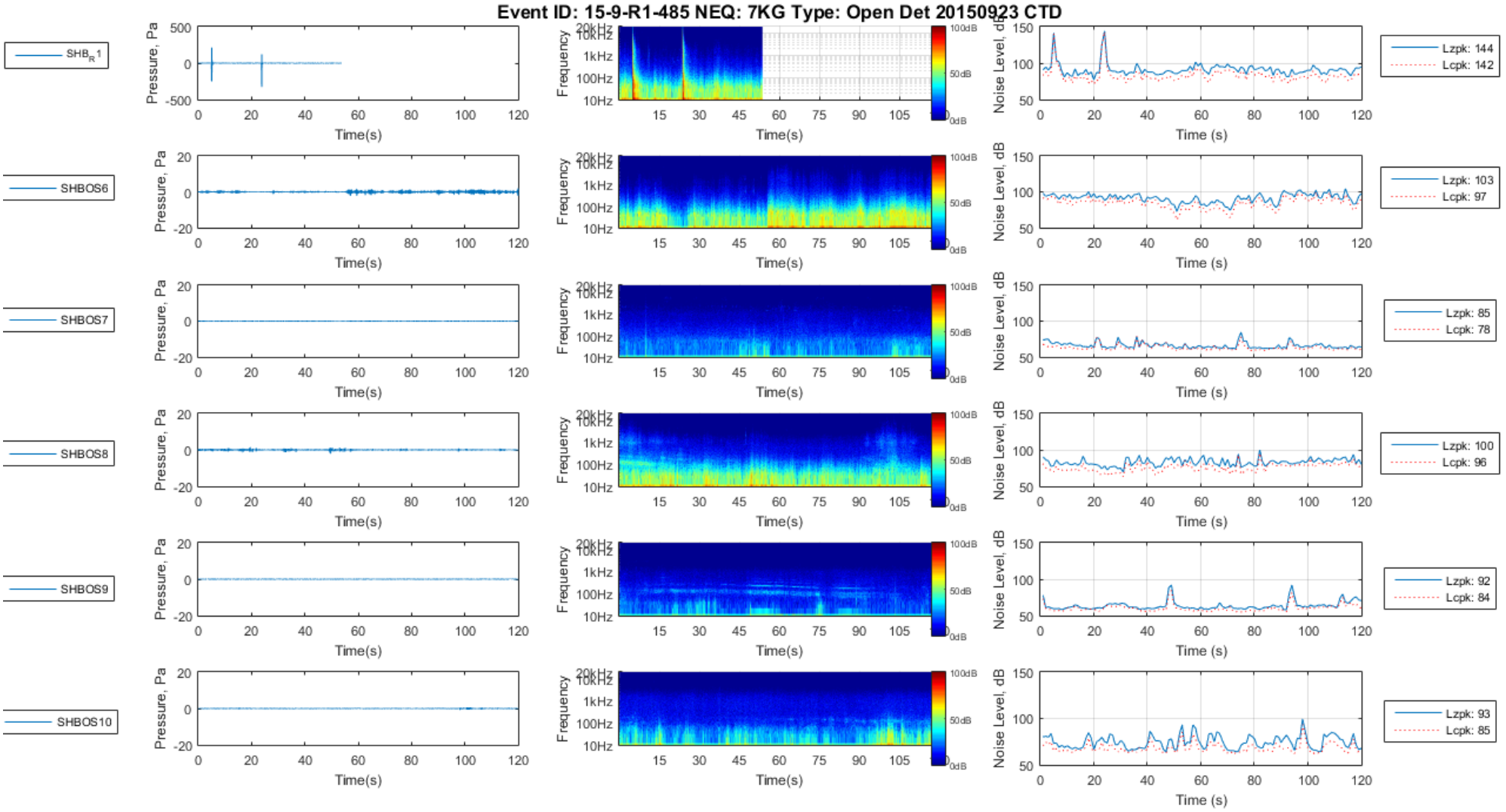


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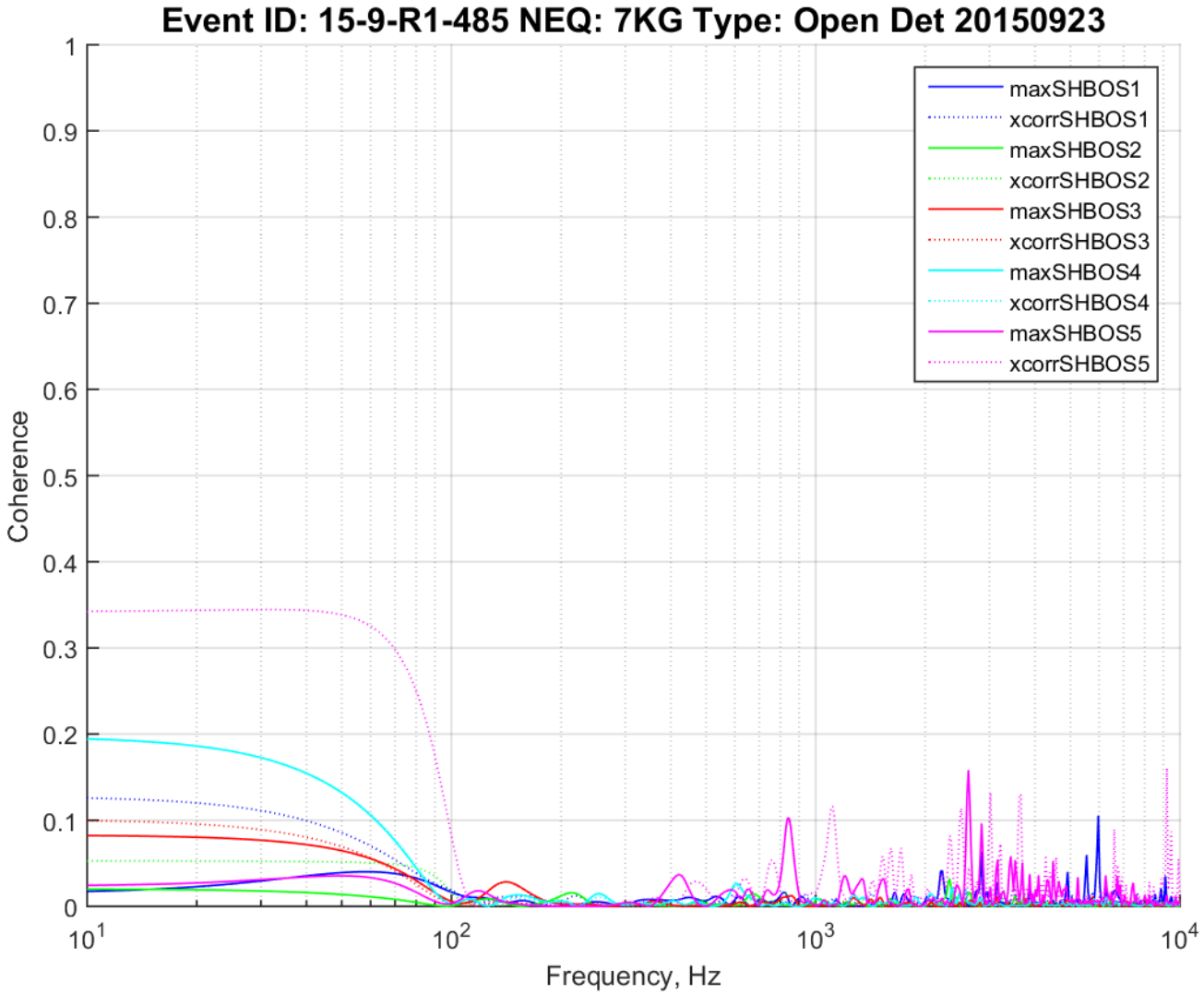


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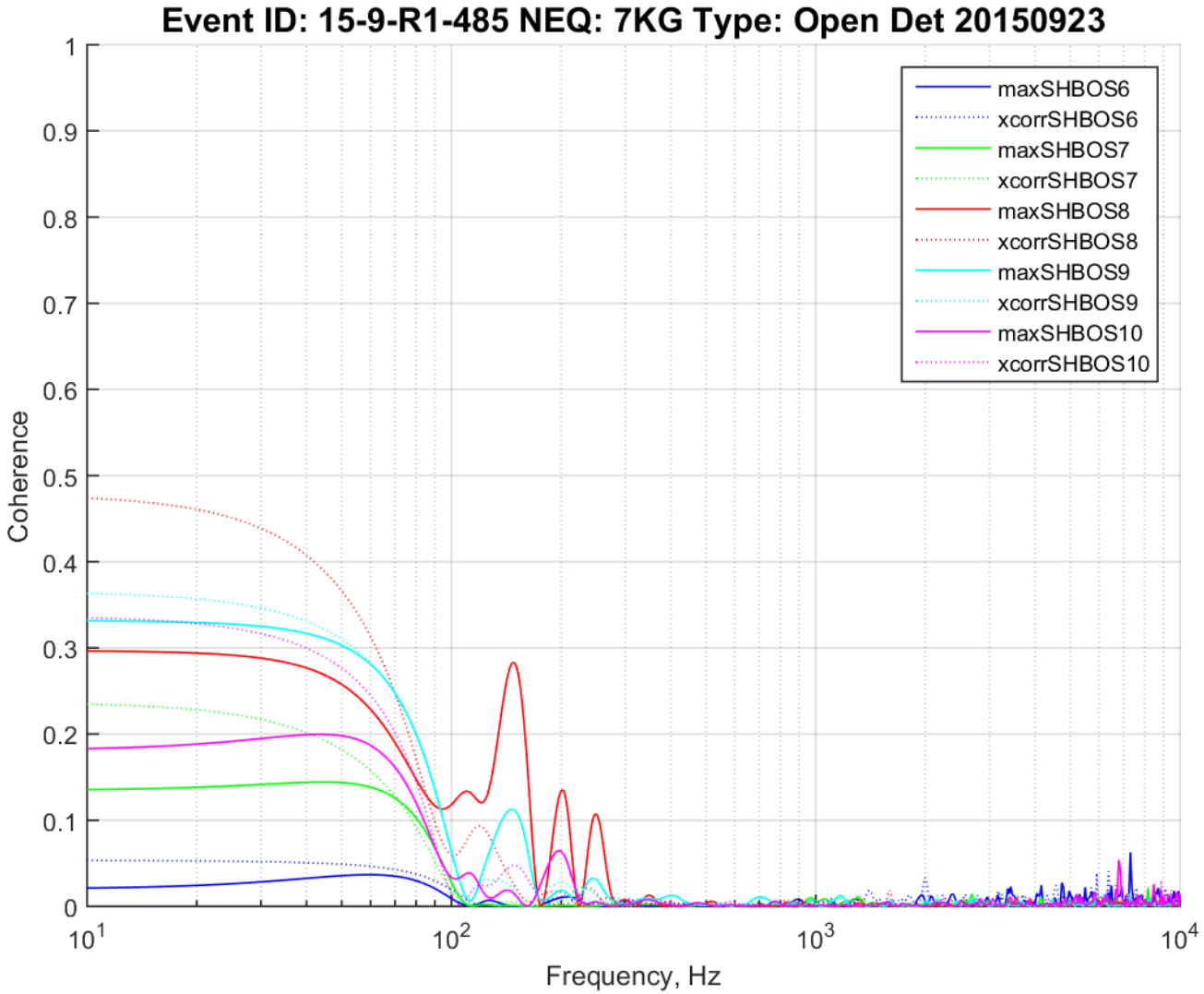


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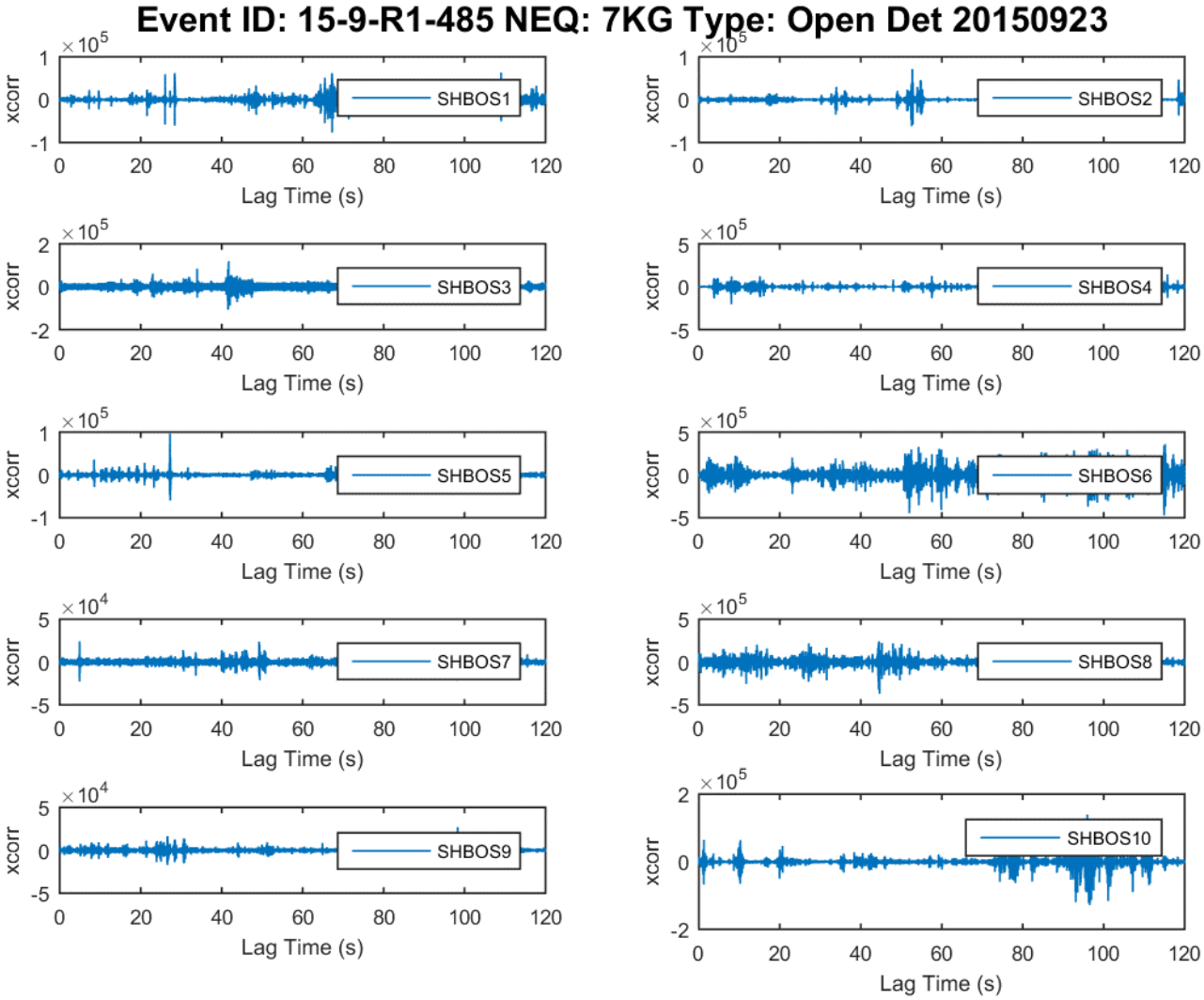


FIGURE 2.1250: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-485

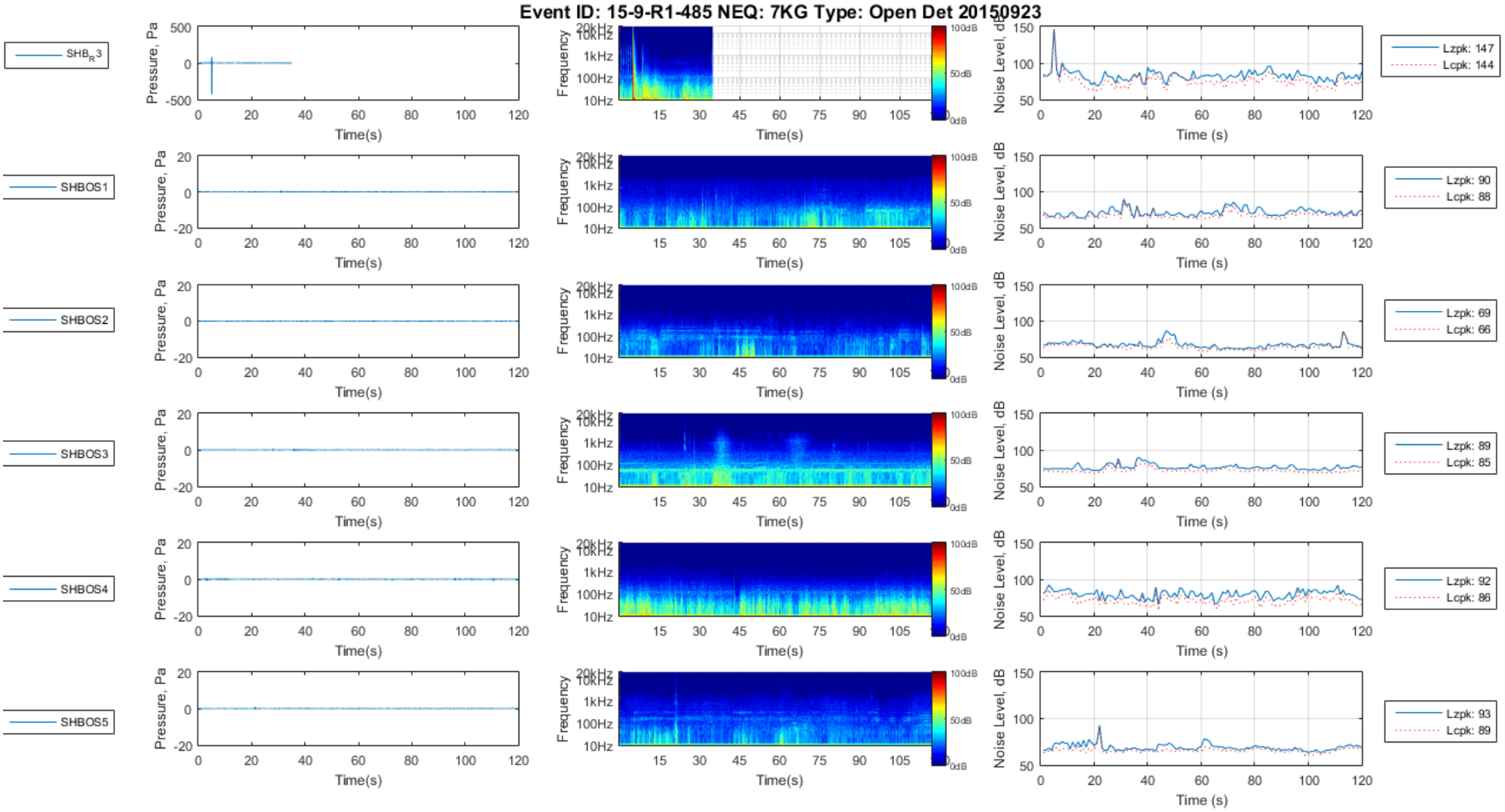


FIGURE 2.1251: SHB_OS 1 - 5 15-9-R1-485

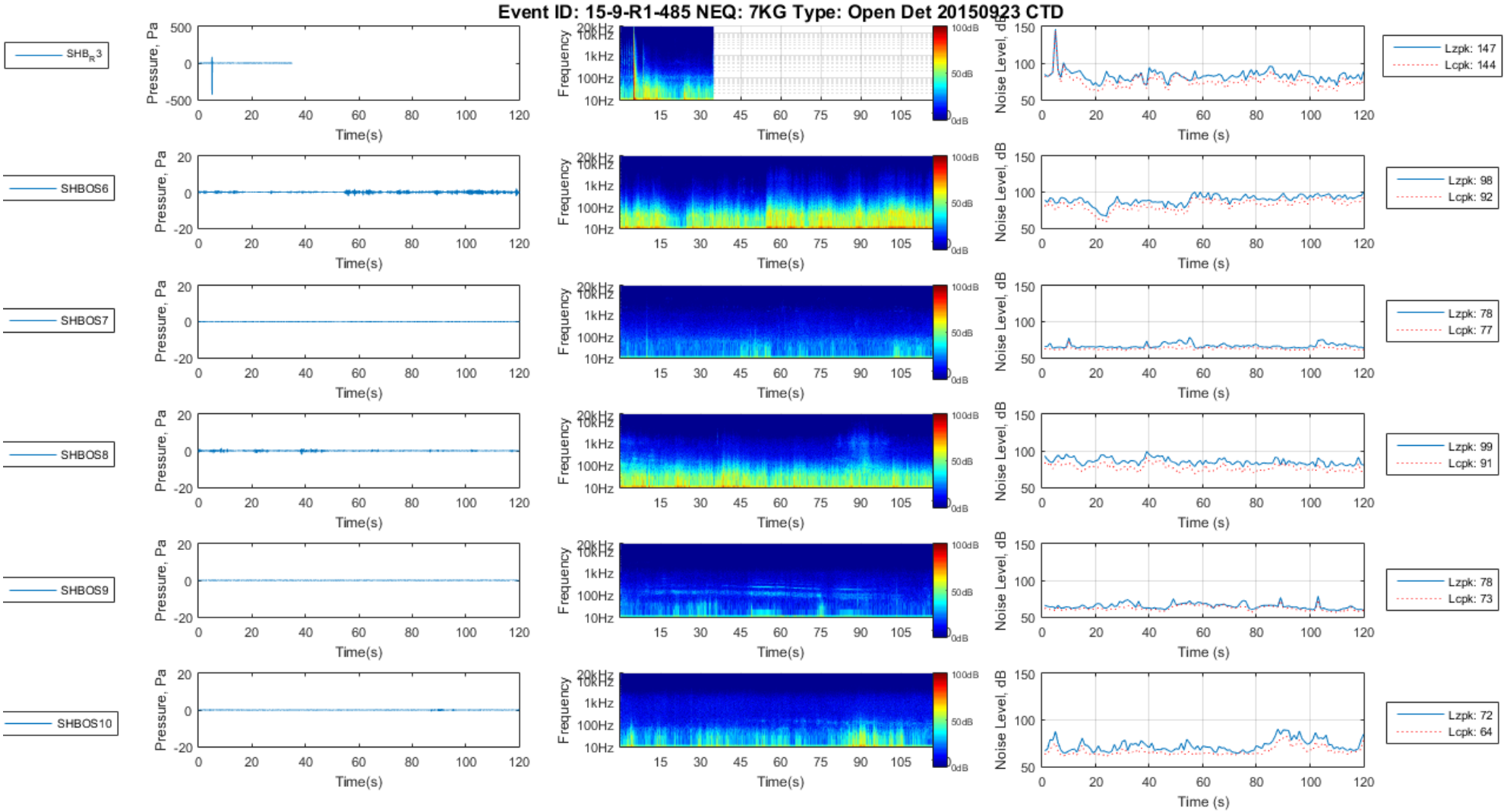


FIGURE 2.1252: SHB_OS 6 - 10 15-9-R1-485

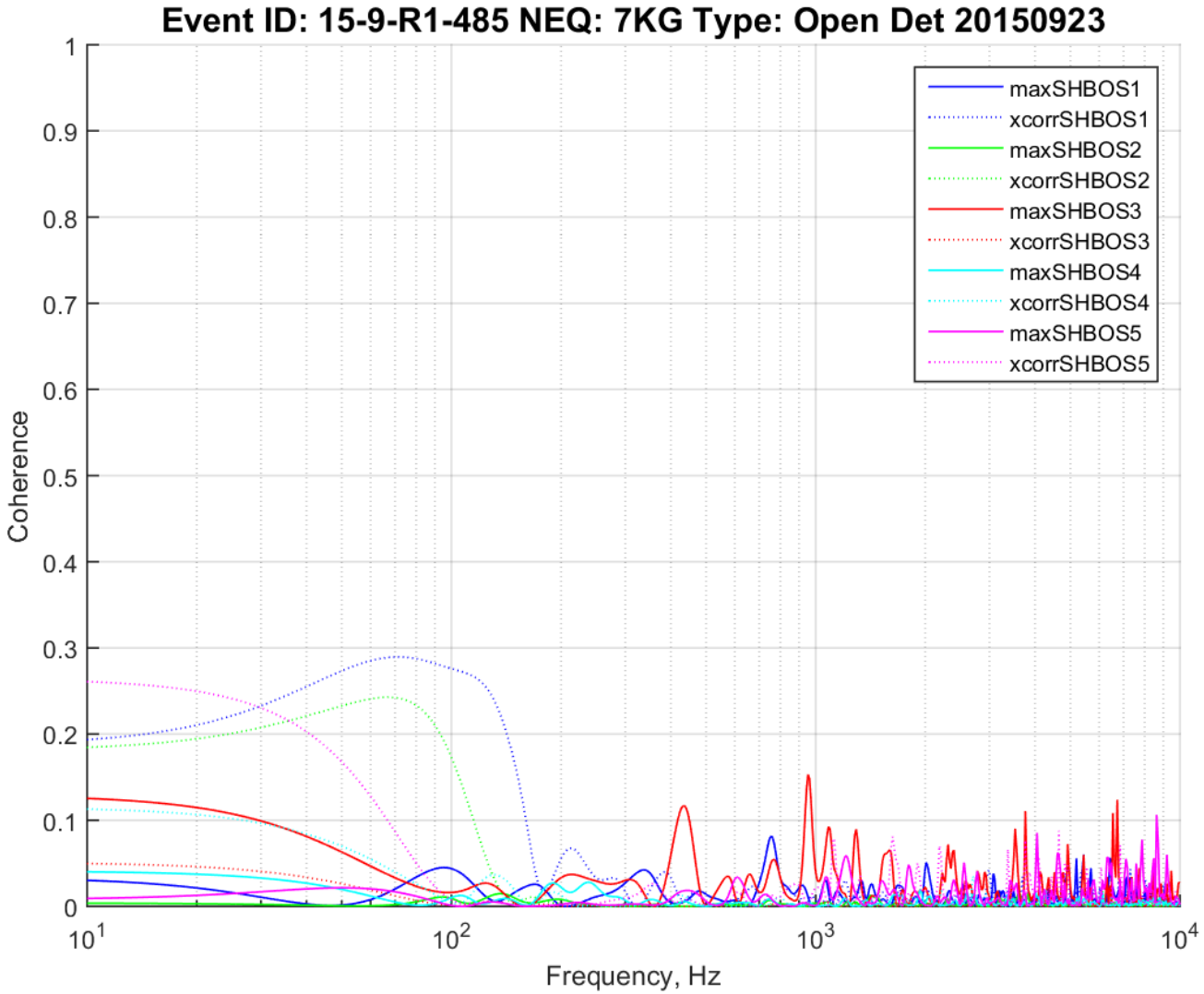


FIGURE 2.1253: COHERENCE SHB_OS 1 - 5 15-9-R1-485

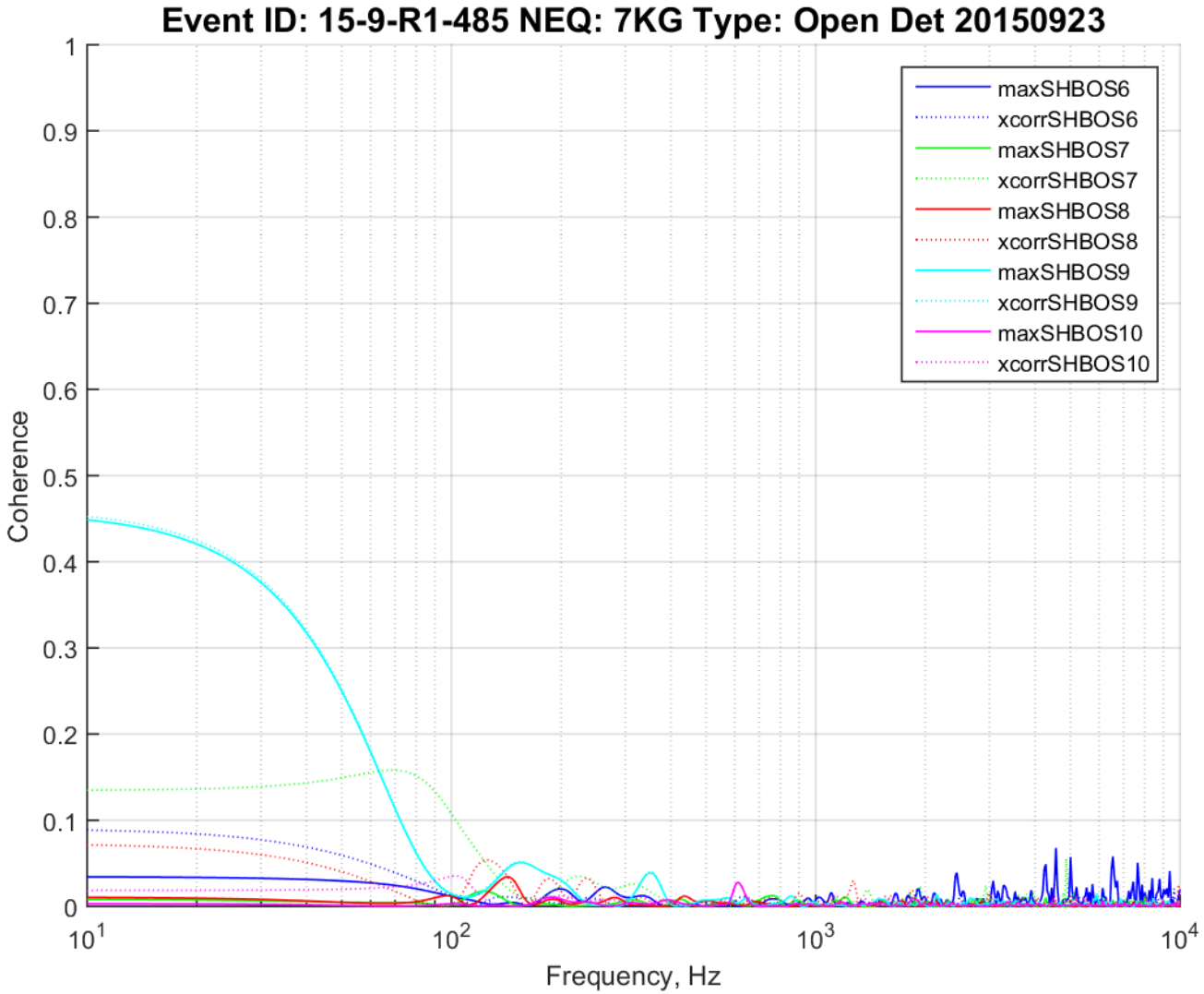


FIGURE 2.1254: COHERENCE SHB_OS 6 - 10 15-9-R1-485CTD

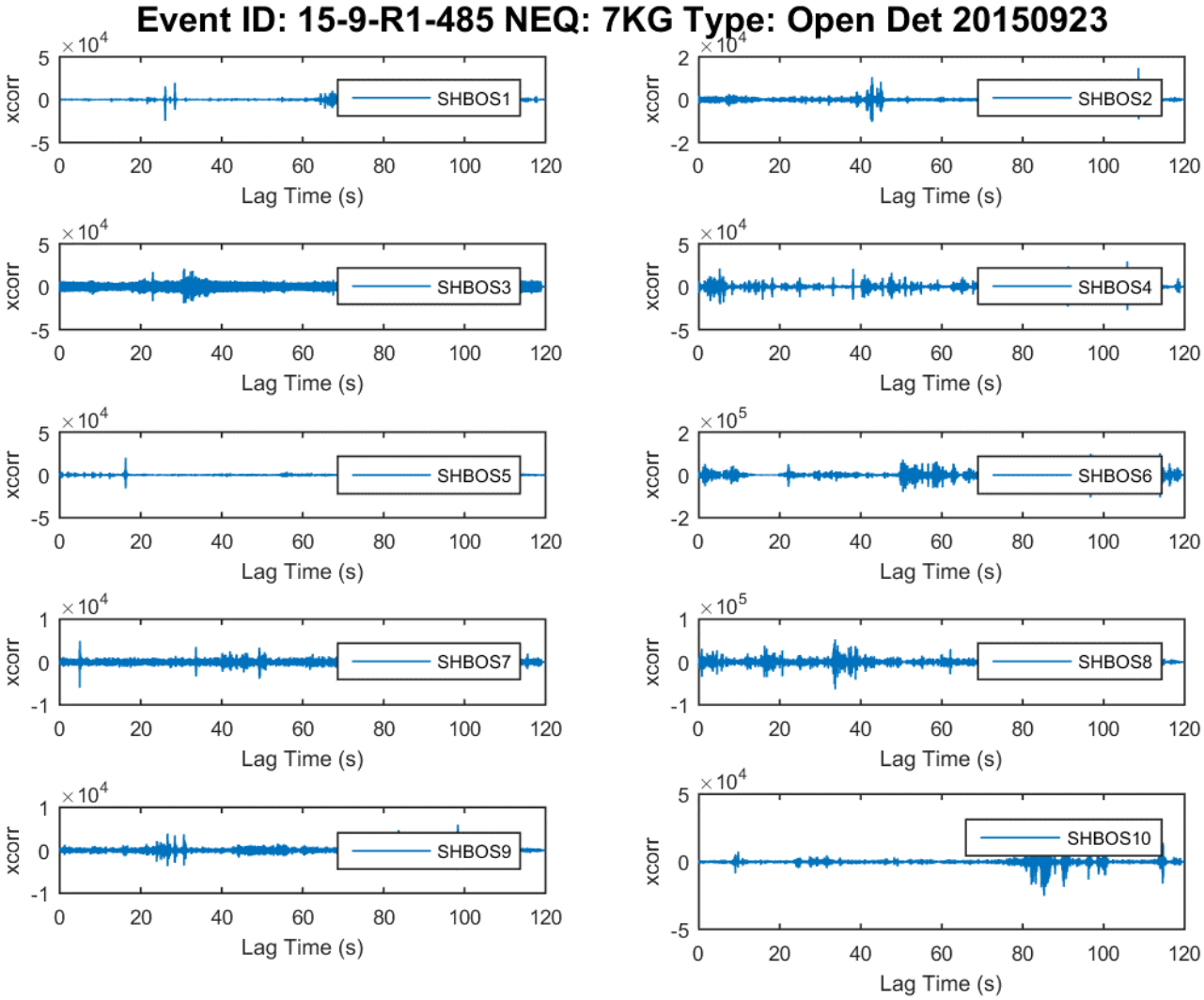


FIGURE 2.1255: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-485

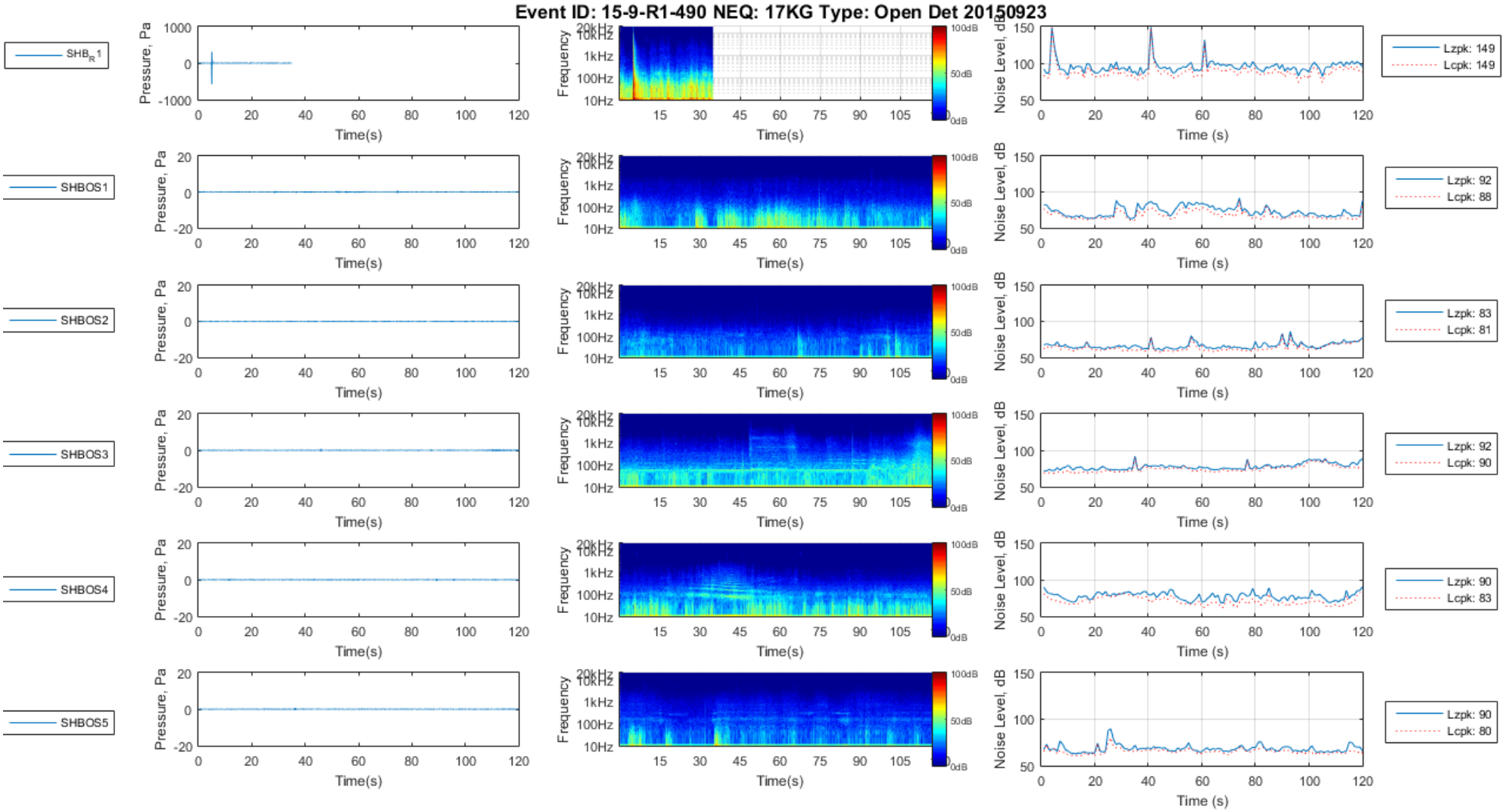


FIGURE 2.1256: SHB_OS 1 - 5 15-9-R1-490

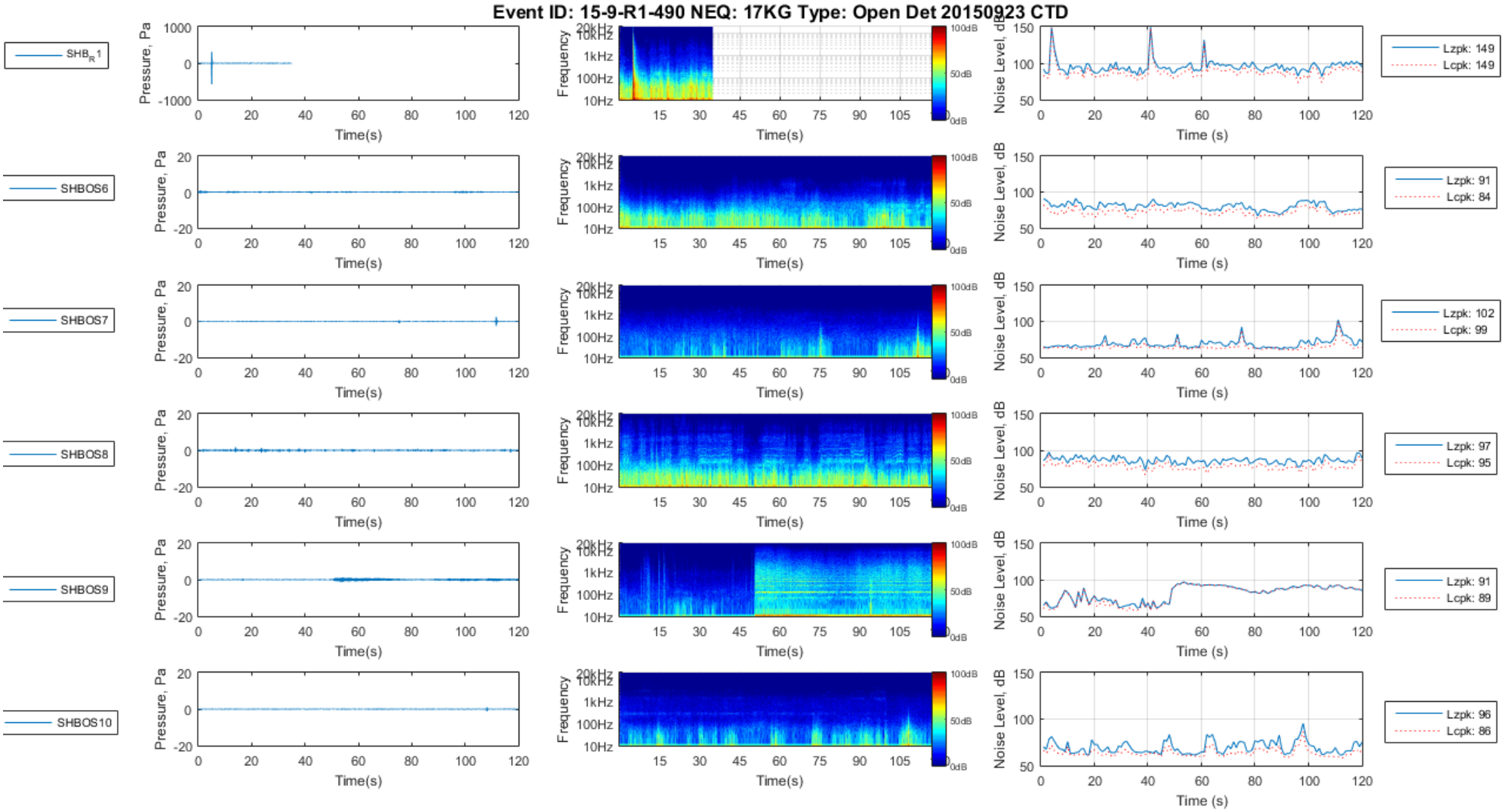


FIGURE 2.1257: SHB_OS 6 - 10 15-9-R1-490

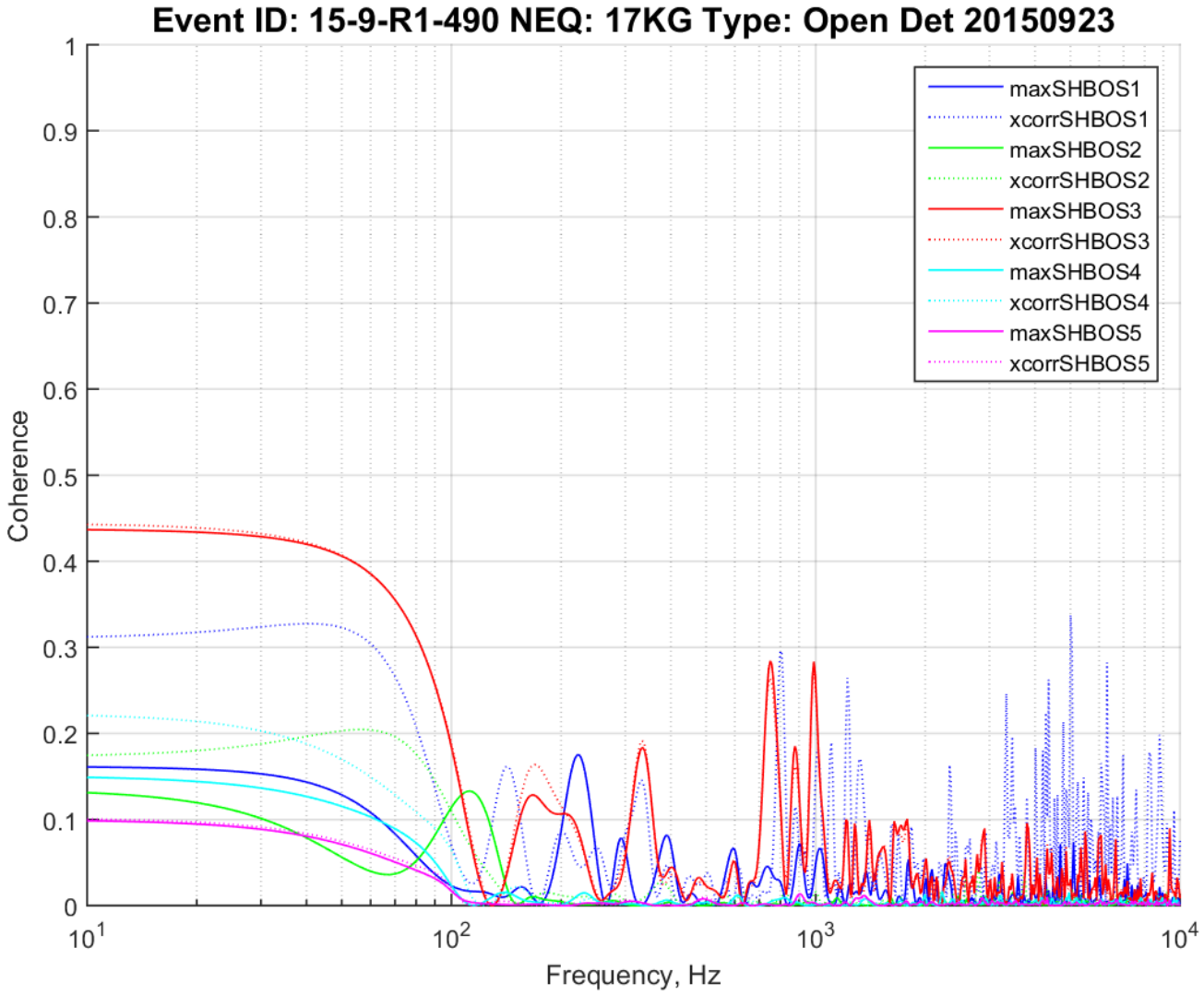


FIGURE 2.1258: COHERENCE SHB_OS 1 - 5 15-9-R1-490

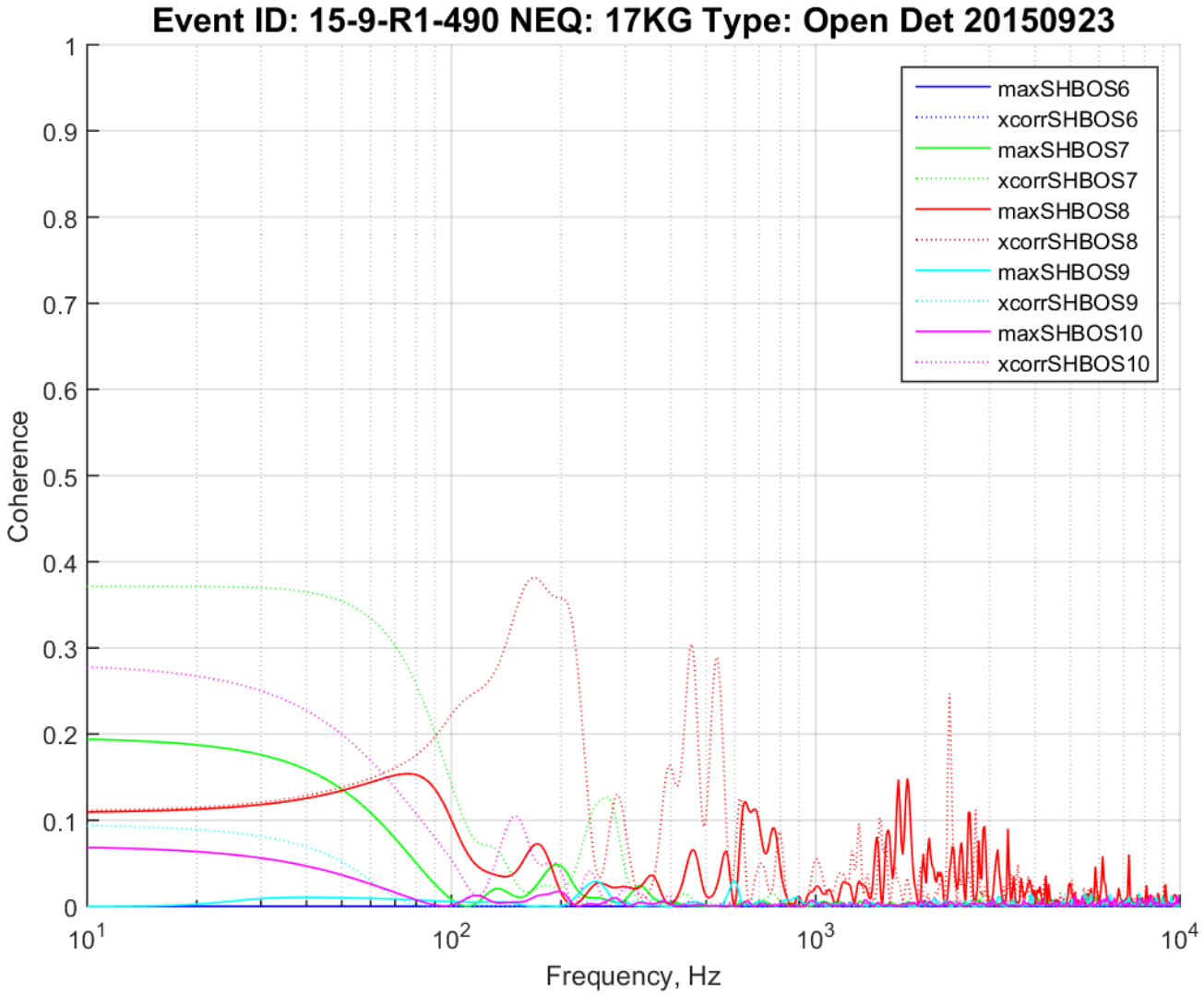


FIGURE 2.1259: COHERENCE SHB_OS 6 - 10 15-9-R1-490CTD

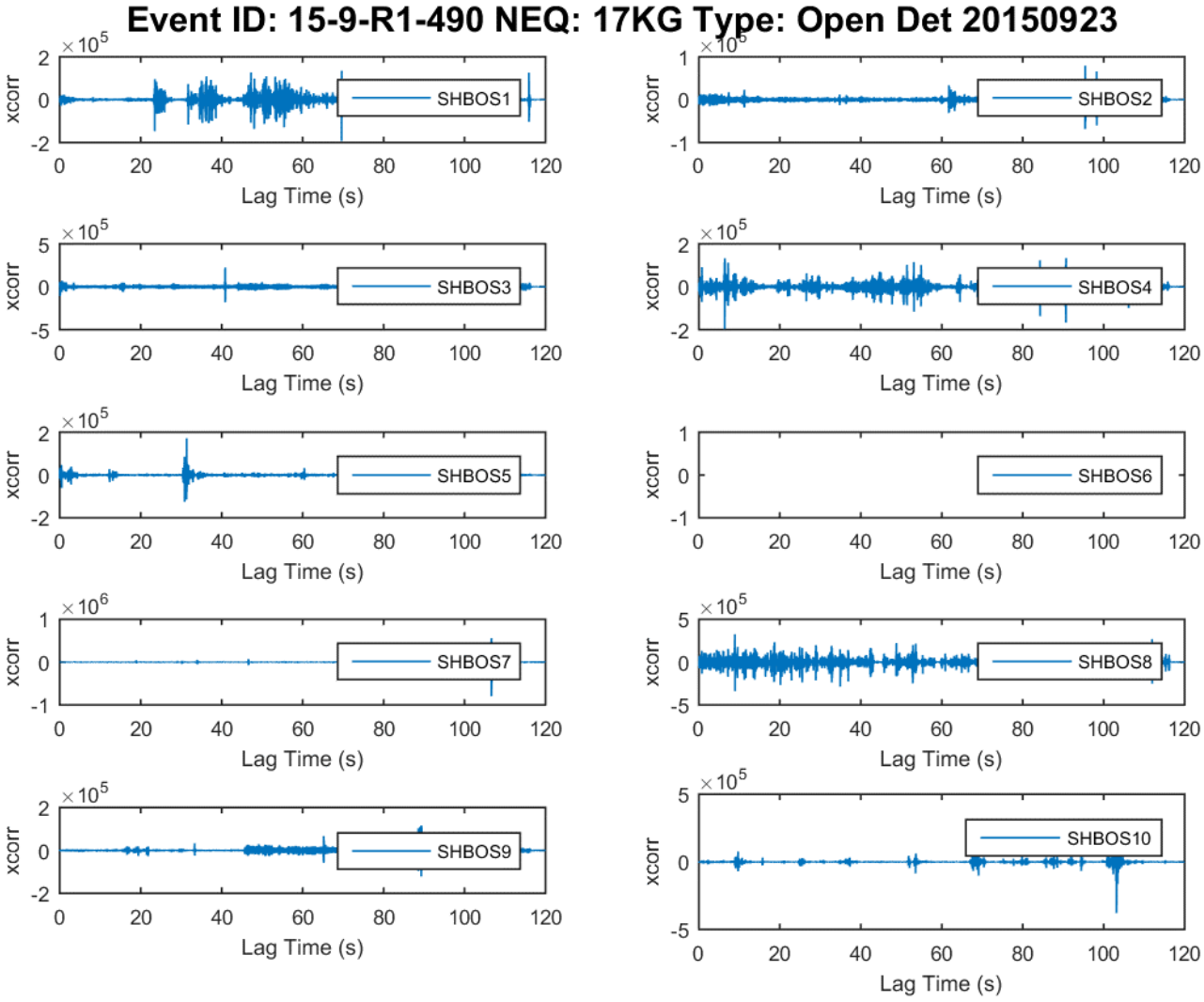


FIGURE 2.1260: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-490

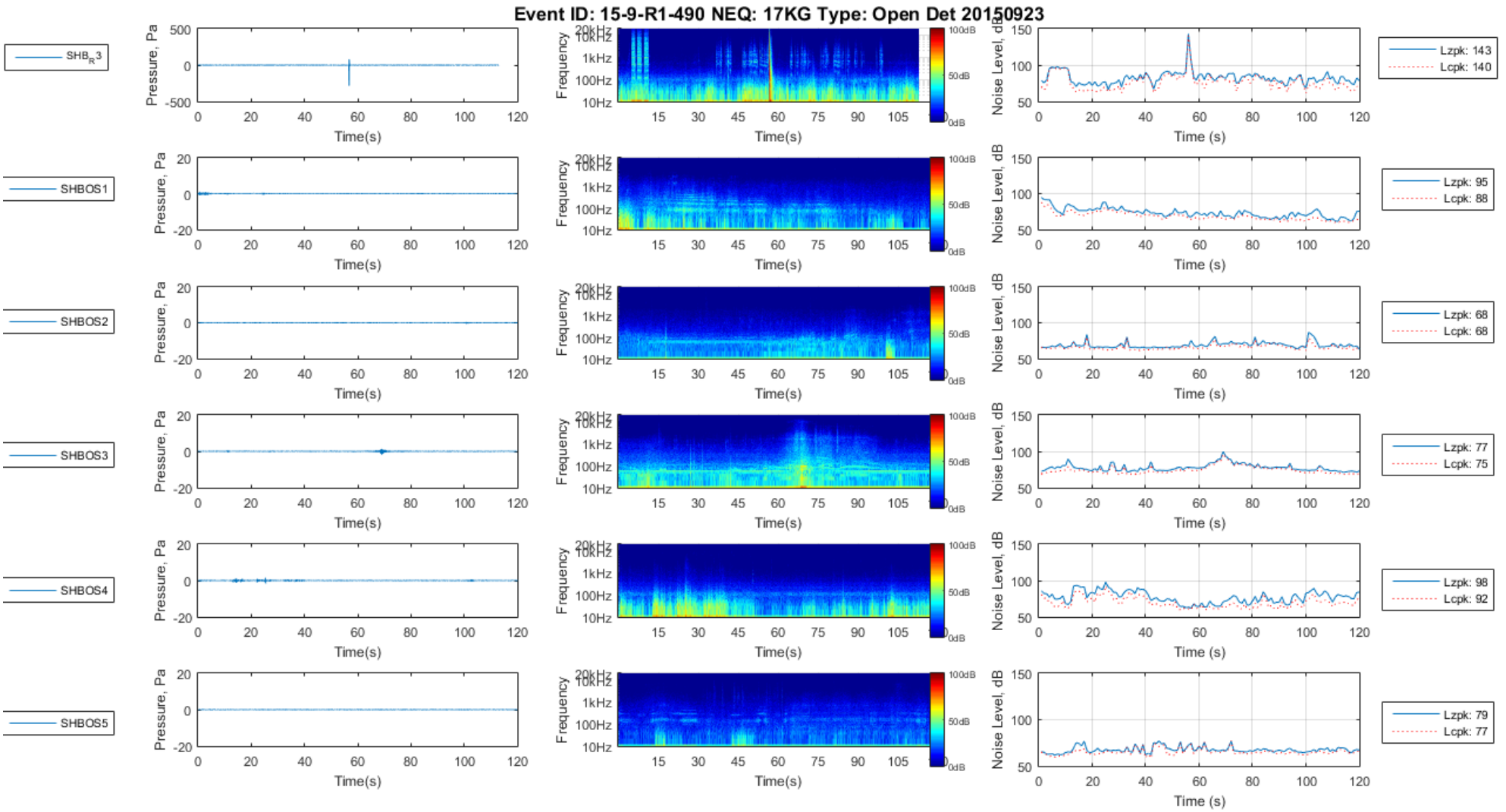


FIGURE 2.1261: SHB_OS 1 - 5 15-9-R1-490

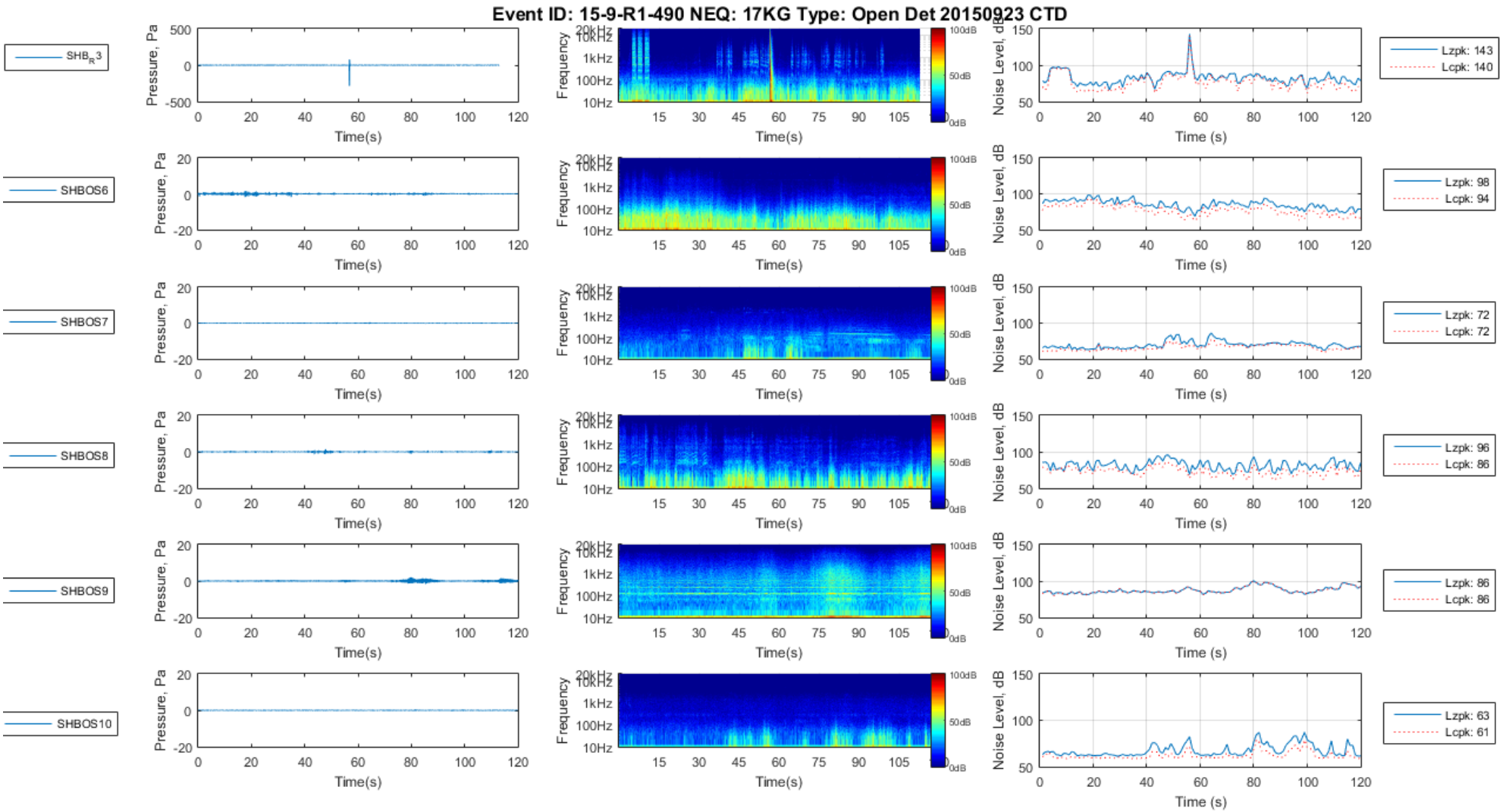


FIGURE 2.1262: SHB_OS 6 - 10 15-9-R1-490

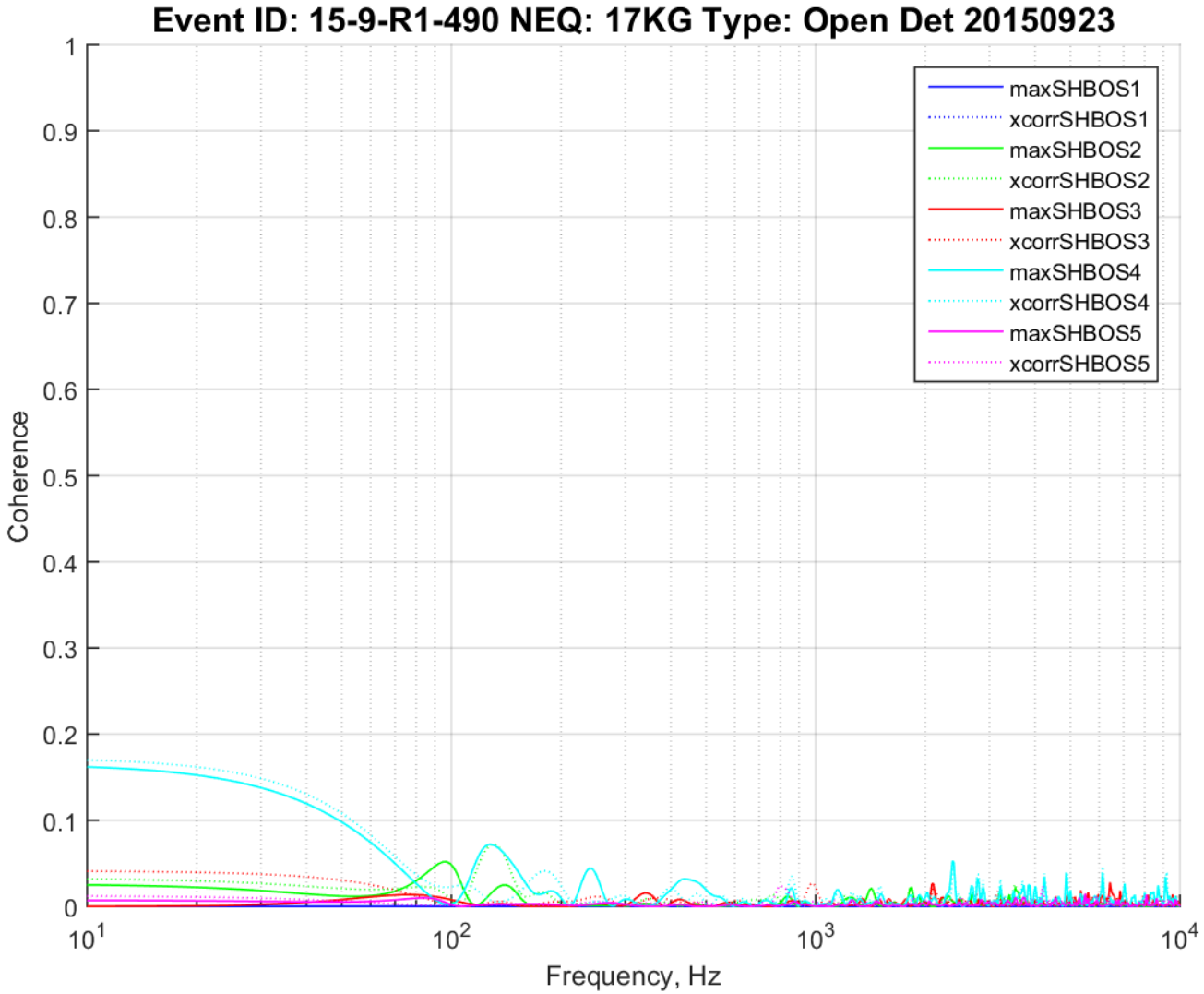


FIGURE 2.1263: COHERENCE SHB_OS 1 - 5 15-9-R1-490

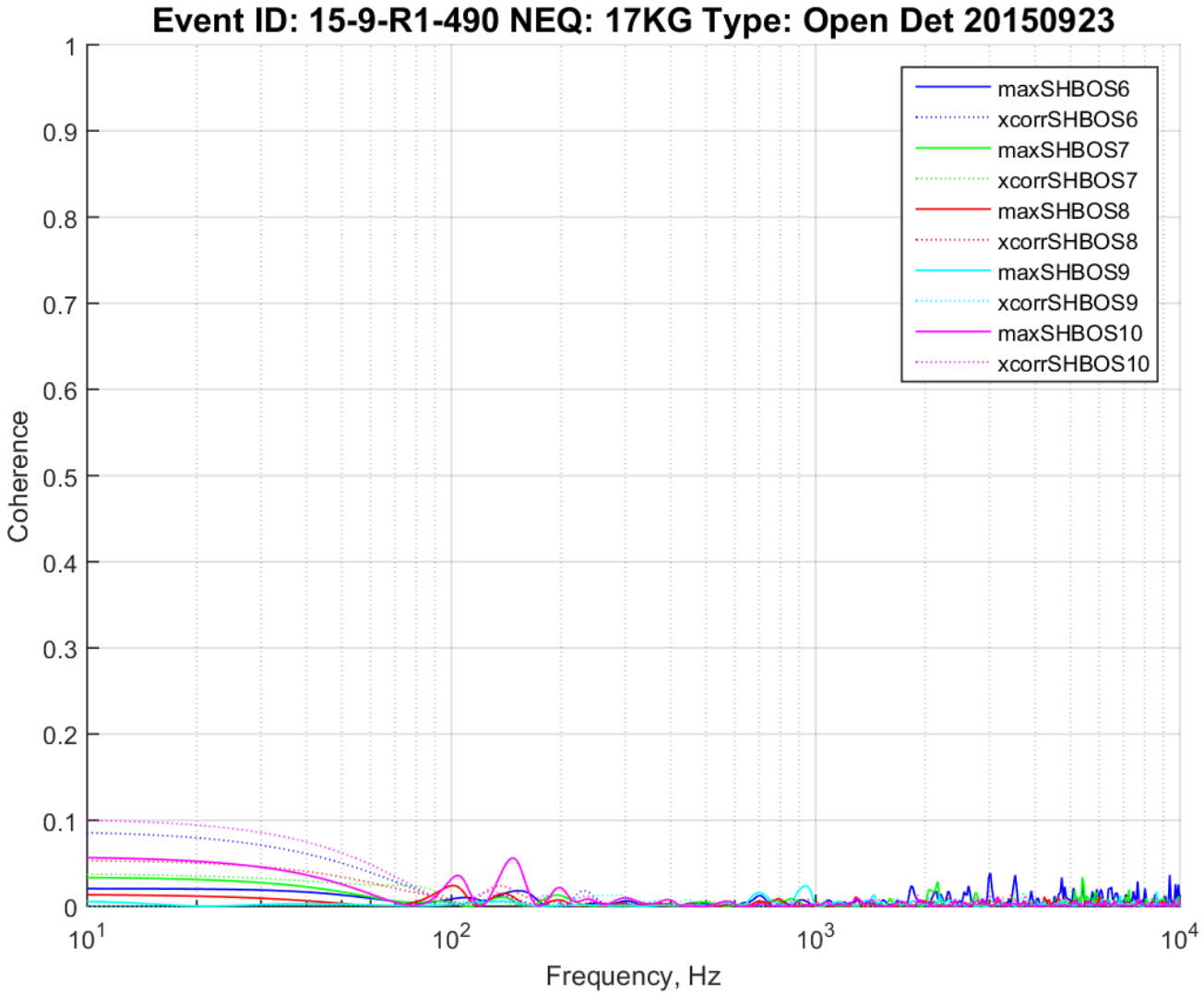


FIGURE 2.1264: COHERENCE SHB_OS 6 - 10 15-9-R1-490CTD

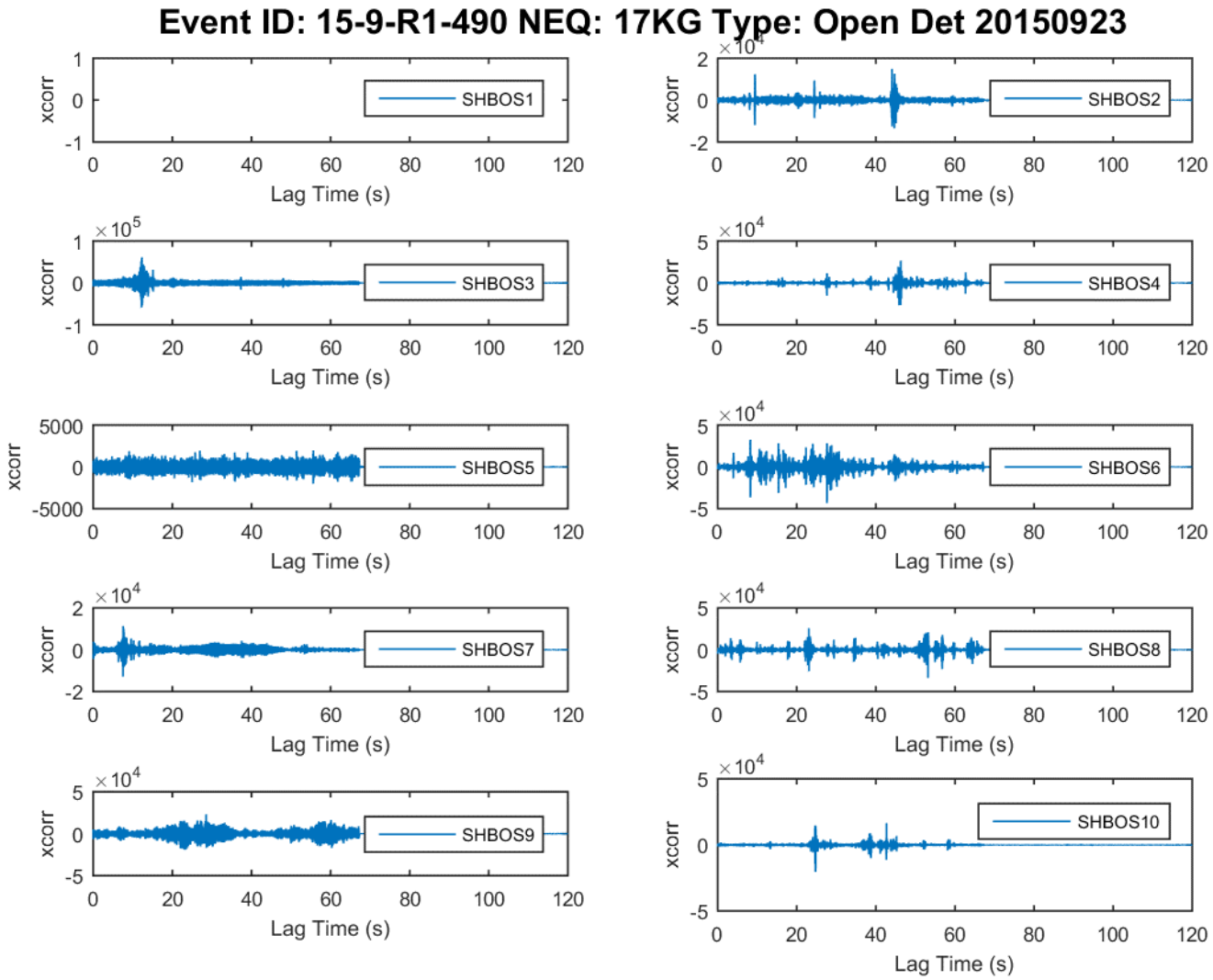


FIGURE 2.1265: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-490

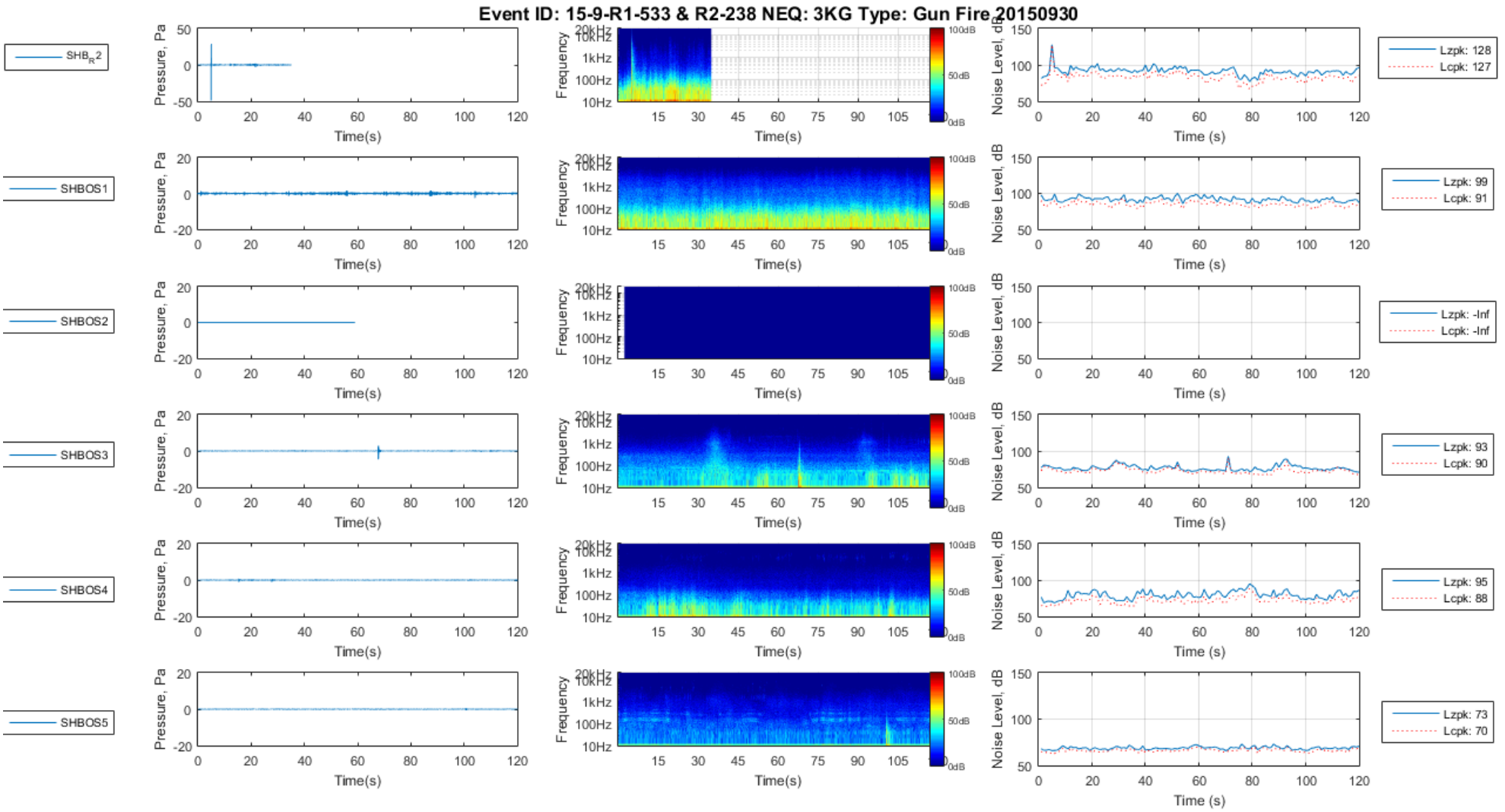


FIGURE 2.1266: SHB_OS 1 - 5 15-9-R1-533 & R2-238

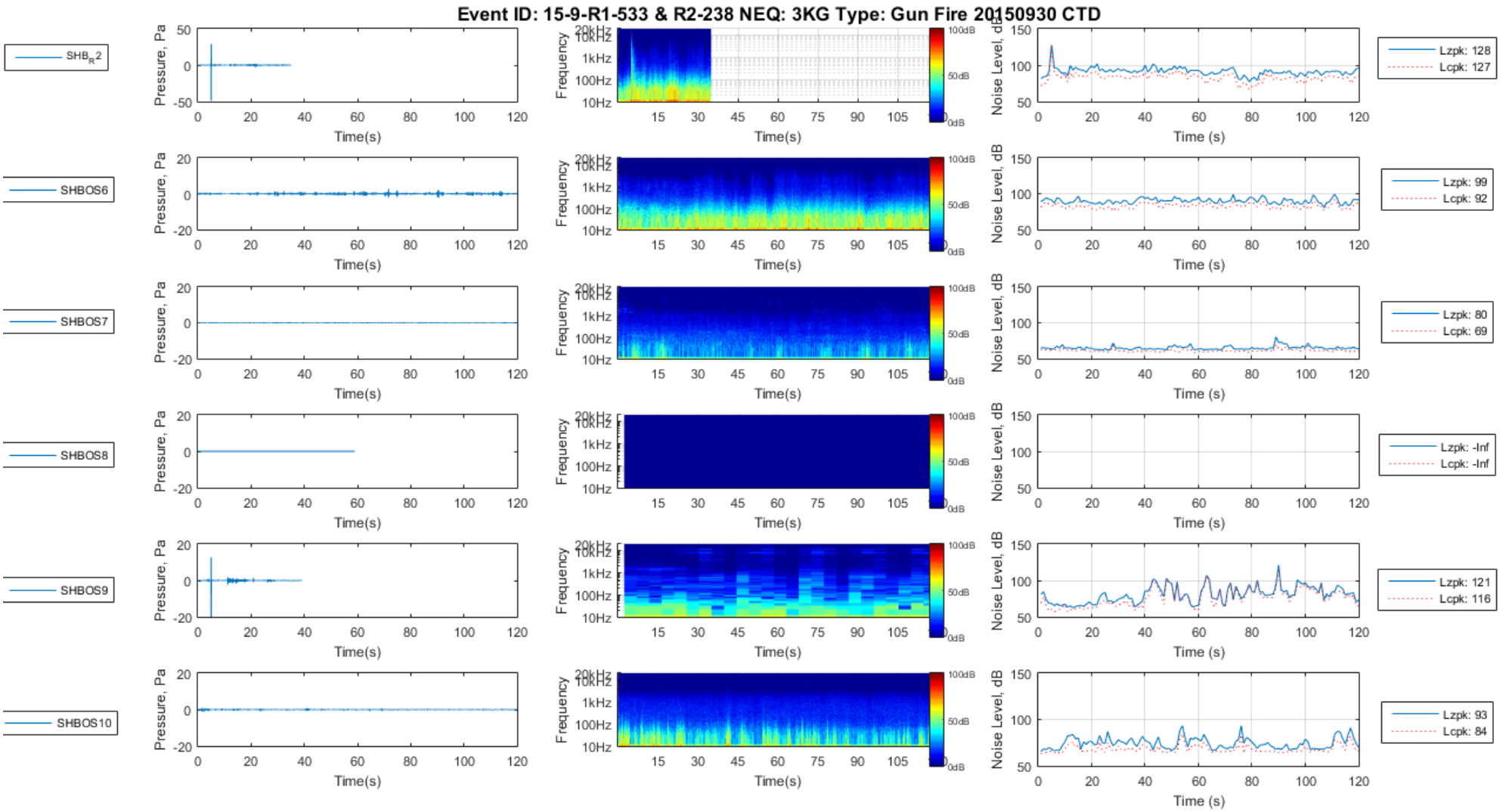


FIGURE 2.1267: SHB_OS 6 - 10 15-9-R1-533 & R2-238

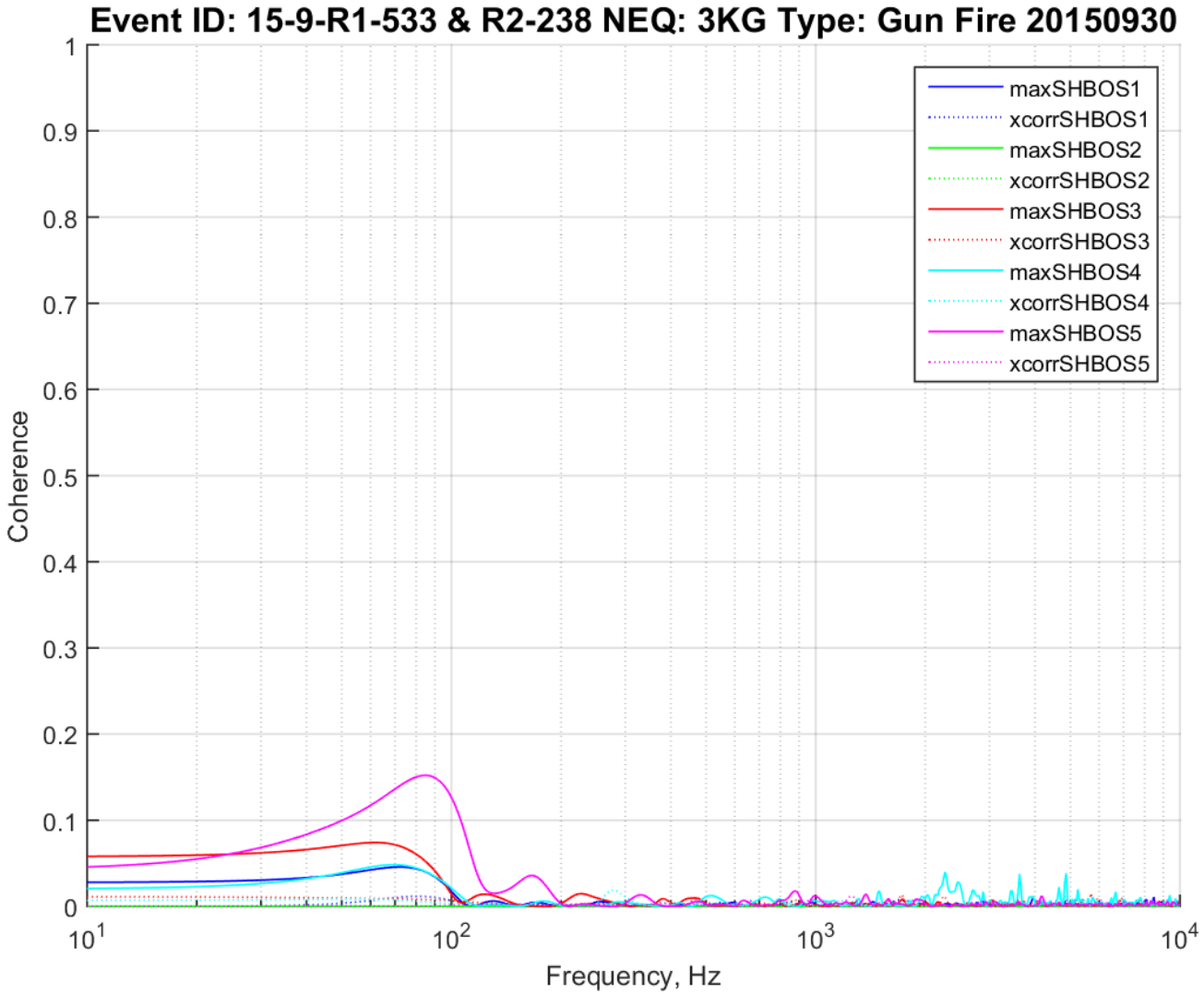


FIGURE 2.1268: COHERENCE SHB_OS 1 - 5 15-9-R1-533 & R2-238

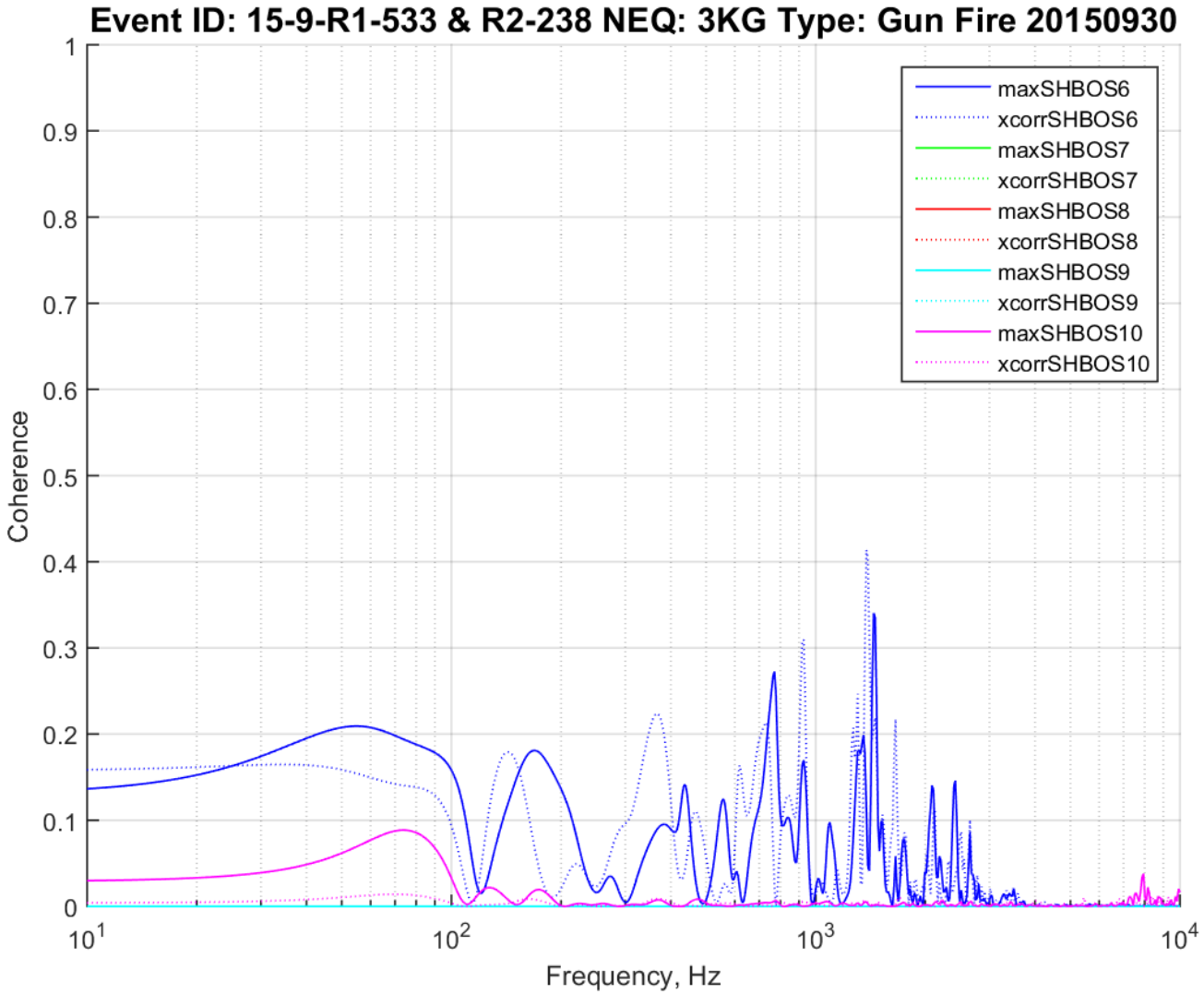


FIGURE 2.1269: COHERENCE SHB_OS 6 - 10 15-9-R1-533 & R2-238CTD

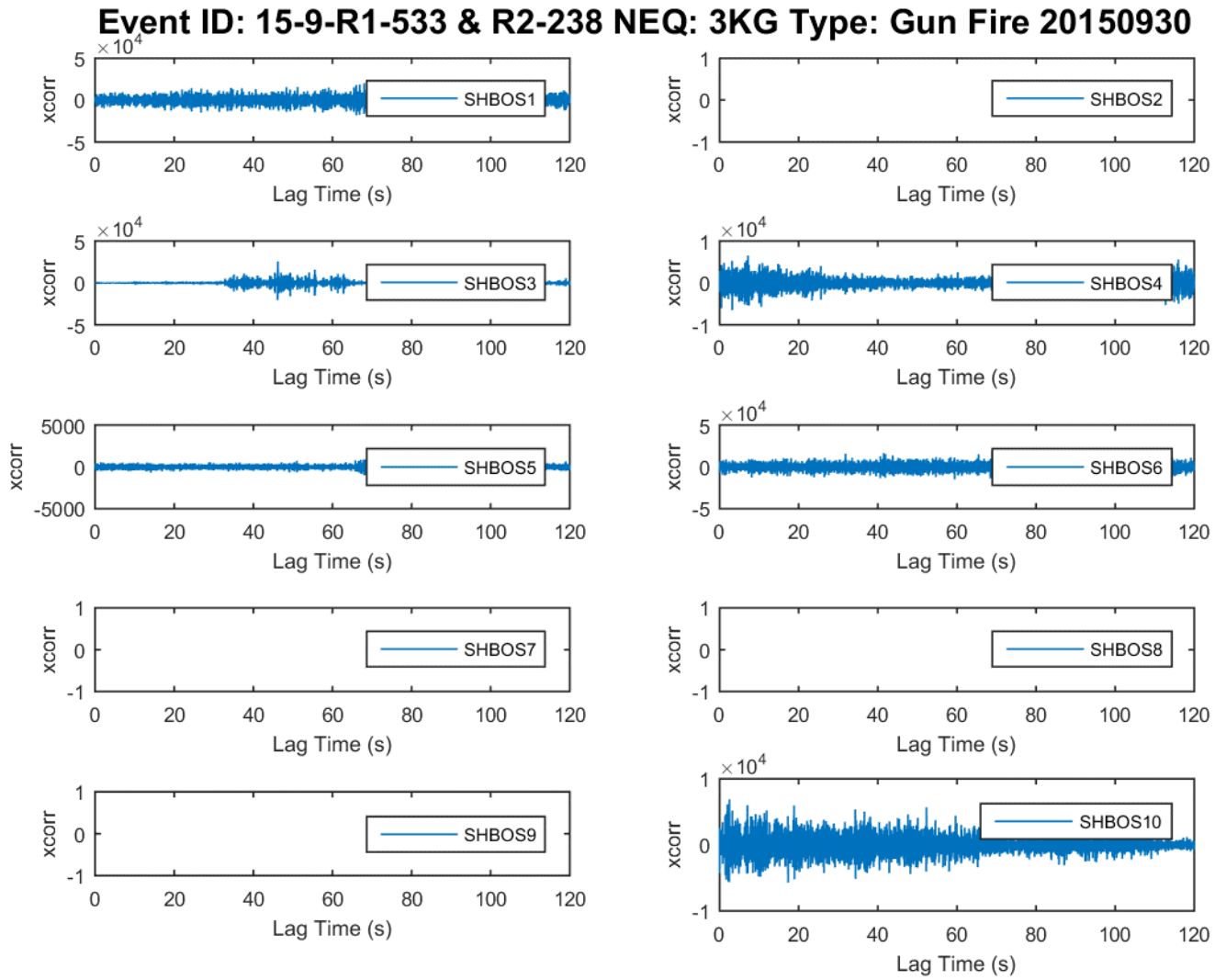


FIGURE 2.1270: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-533 & R2-238

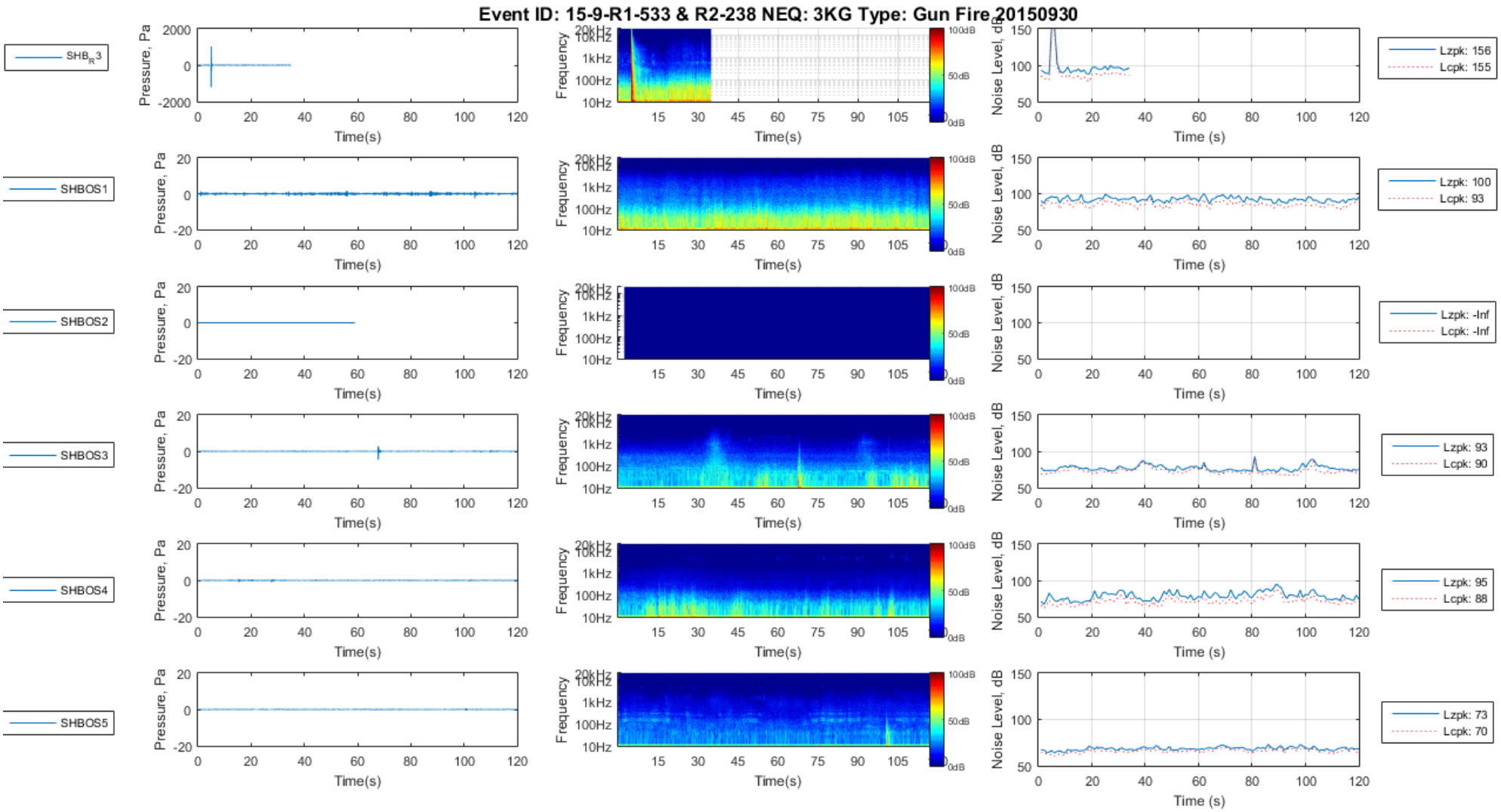


FIGURE 2.1271: SHB_OS 1 - 5 15-9-R1-533 & R2-238

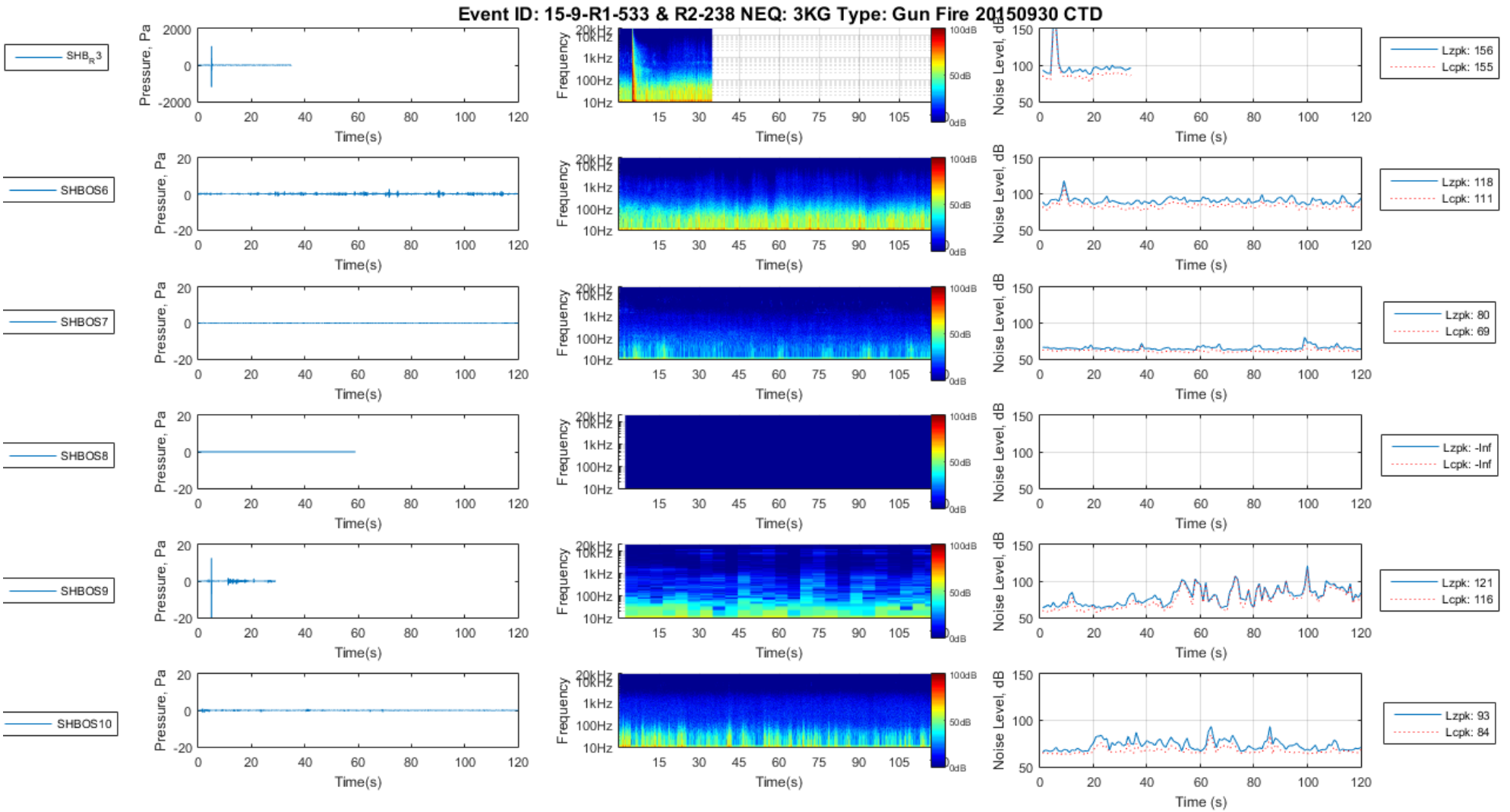


FIGURE 2.1272: SHB_OS 6 - 10 15-9-R1-533 & R2-238

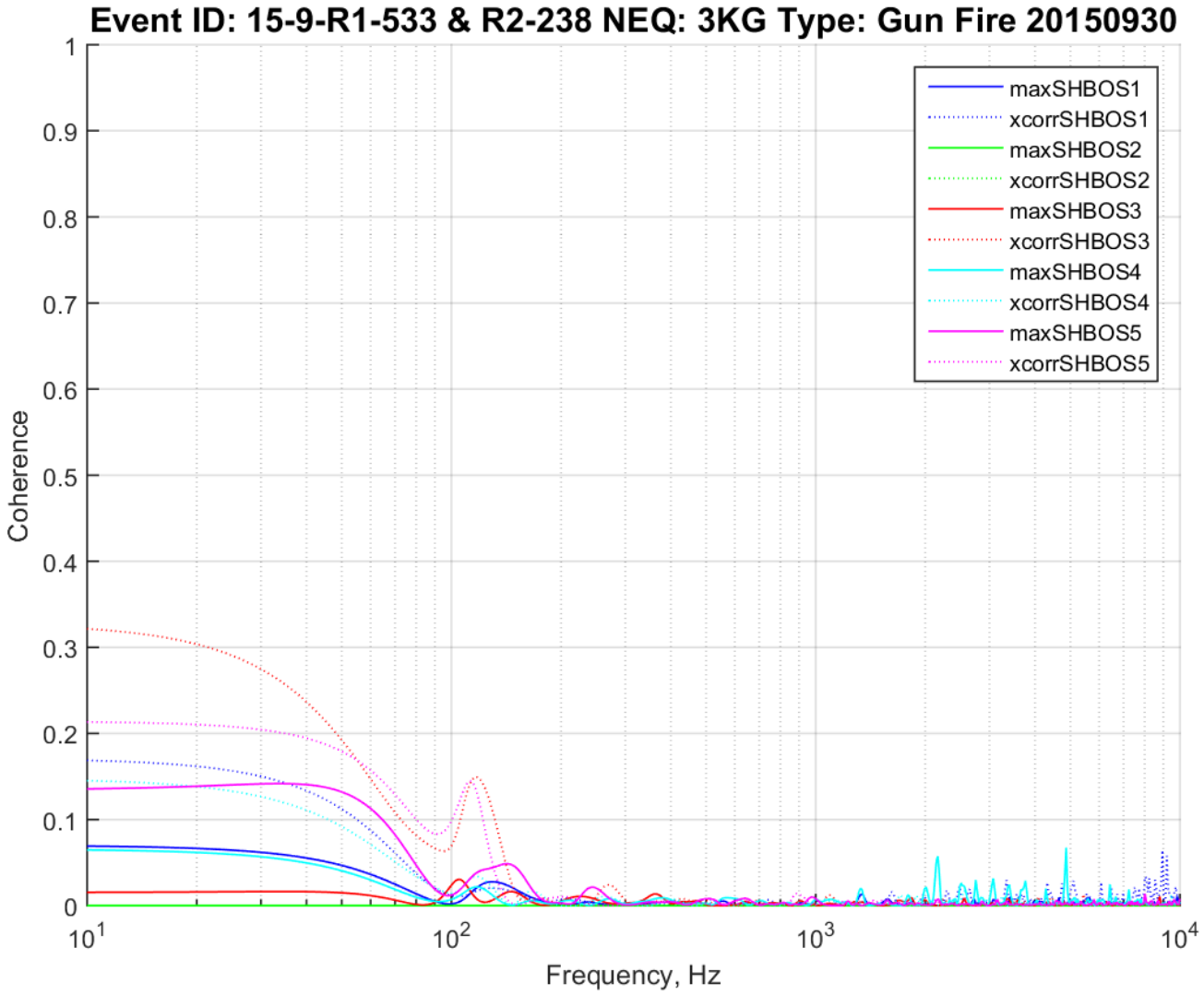


FIGURE 2.1273: COHERENCE SHB_OS 1 - 5 15-9-R1-533 & R2-238

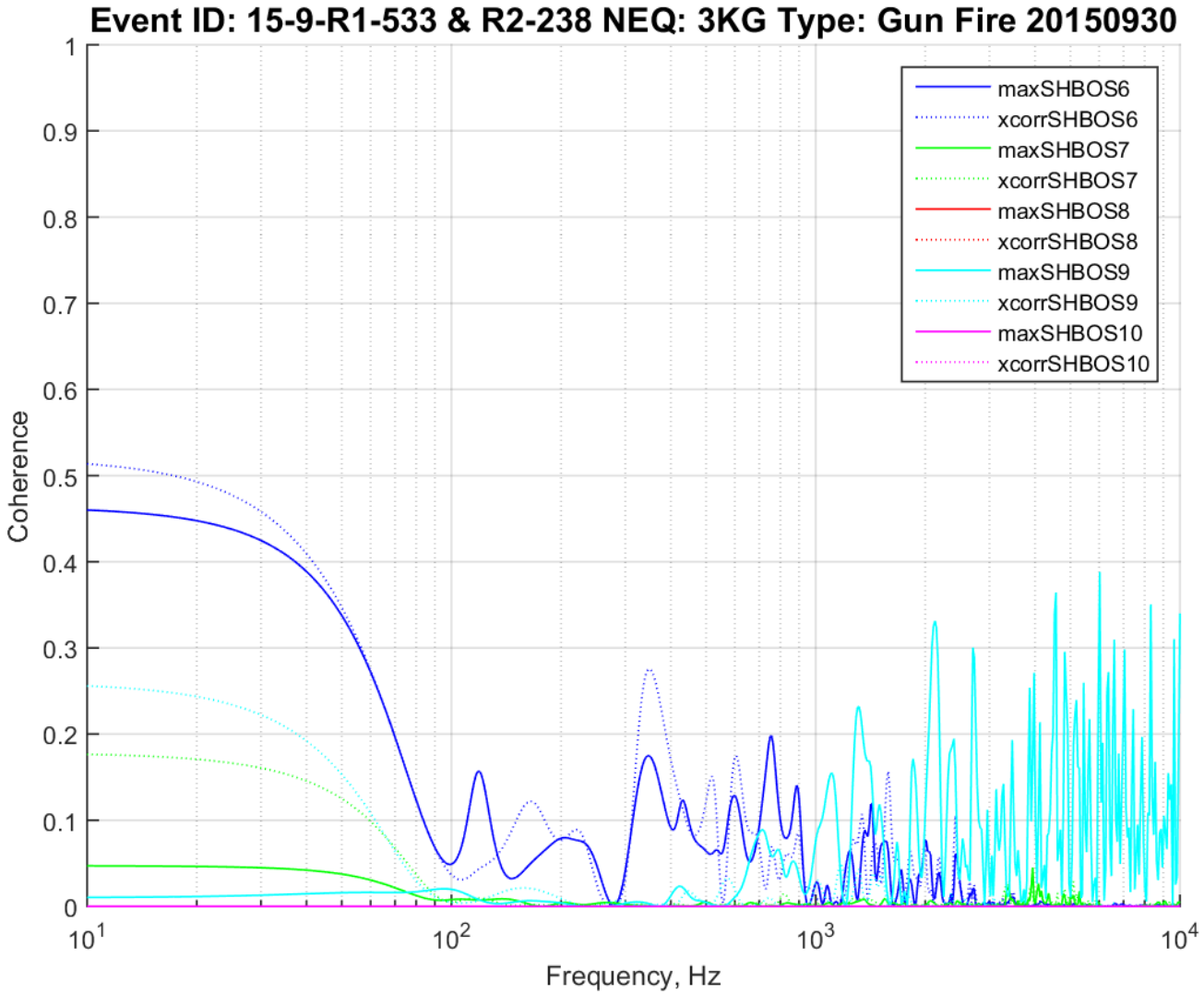


FIGURE 2.1274: COHERENCE SHB_OS 6 - 10 15-9-R1-533 & R2-238CTD

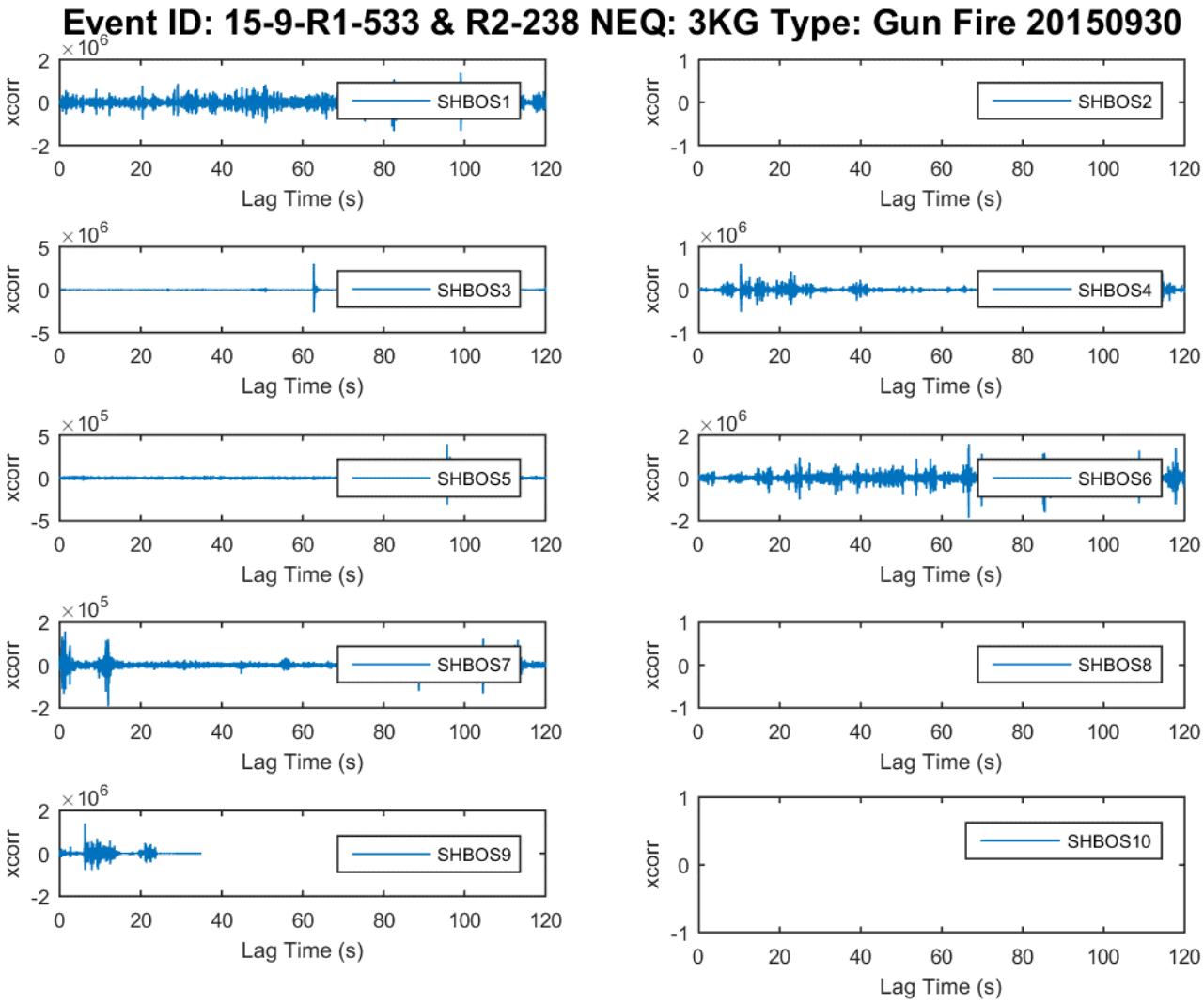


FIGURE 2.1275: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-533 & R2-238

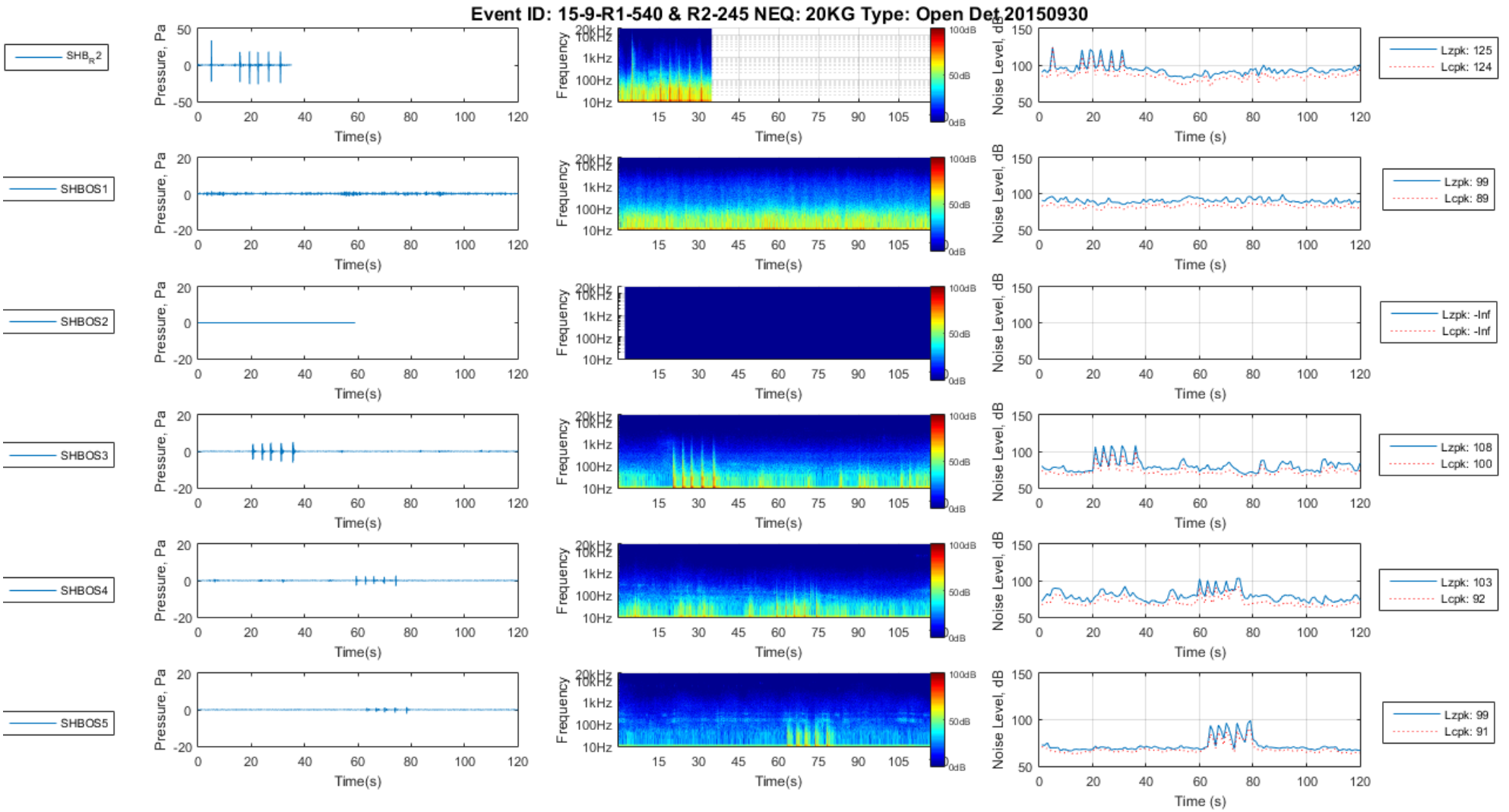


FIGURE 2.1276: SHB_OS 1 - 5 15-9-R1-540 & R2-245

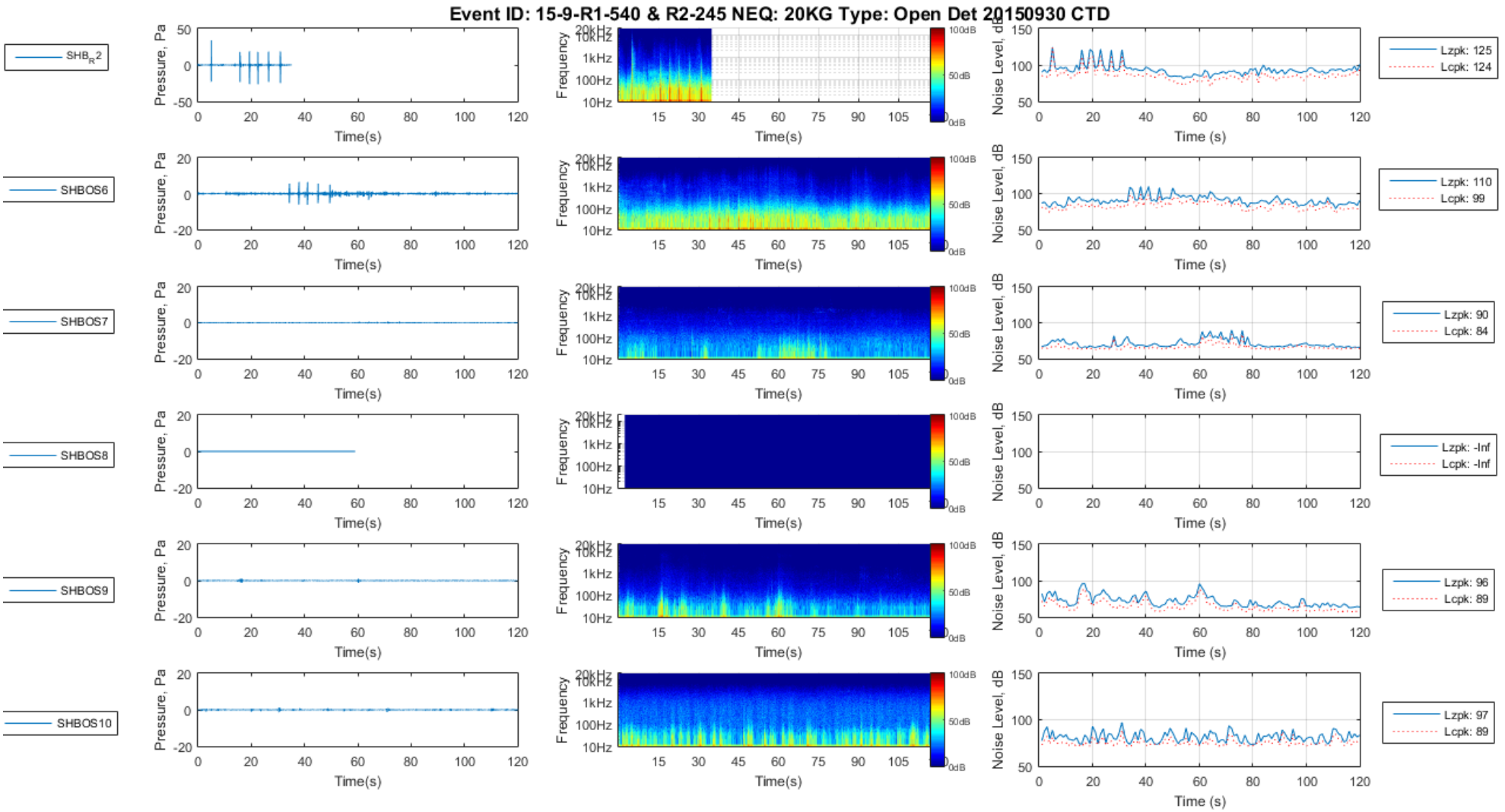


FIGURE 2.1277: SHB_OS 6 - 10 15-9-R1-540 & R2-245

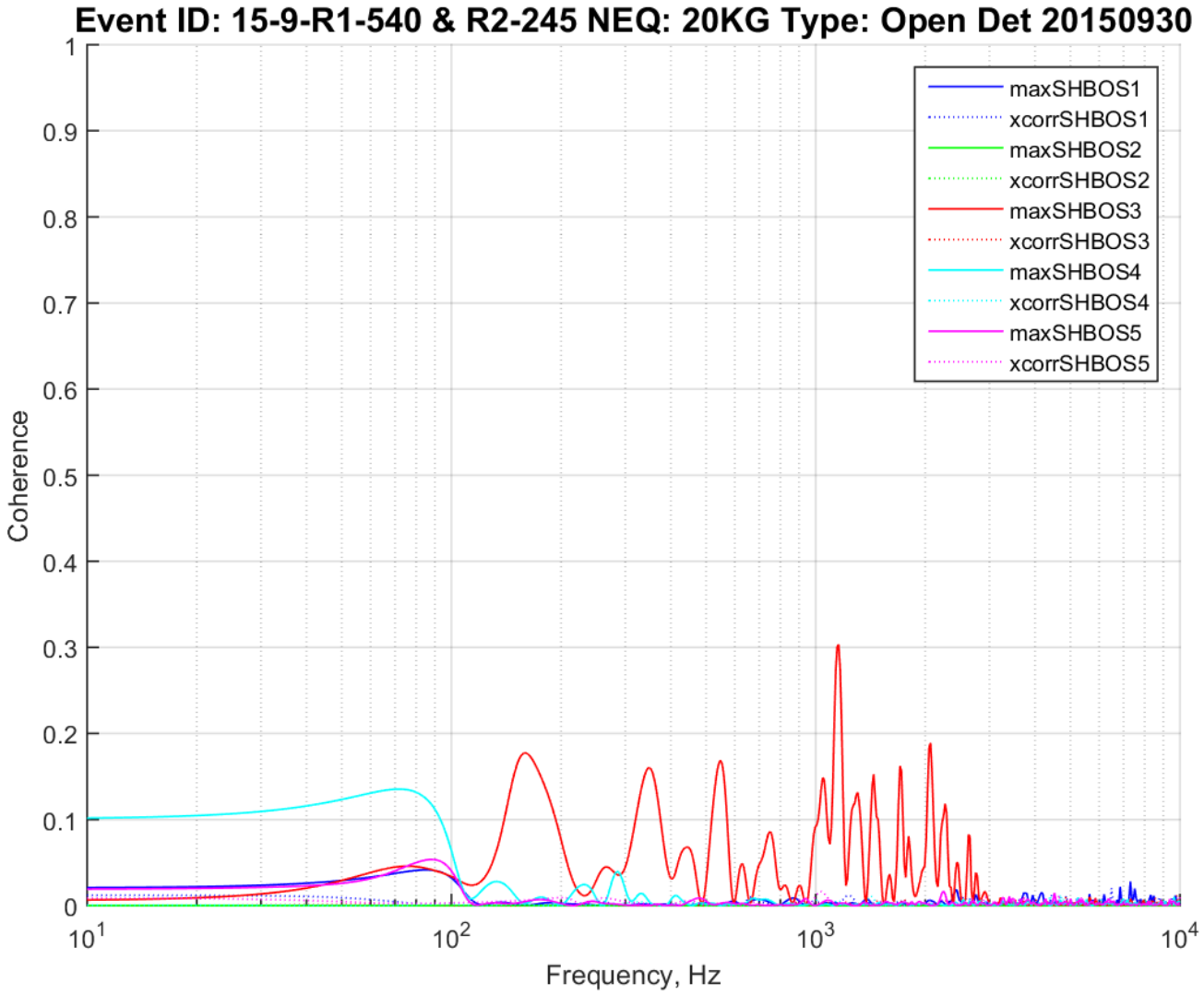


FIGURE 2.1278: COHERENCE SHB_OS 1 - 5 15-9-R1-540 & R2-245

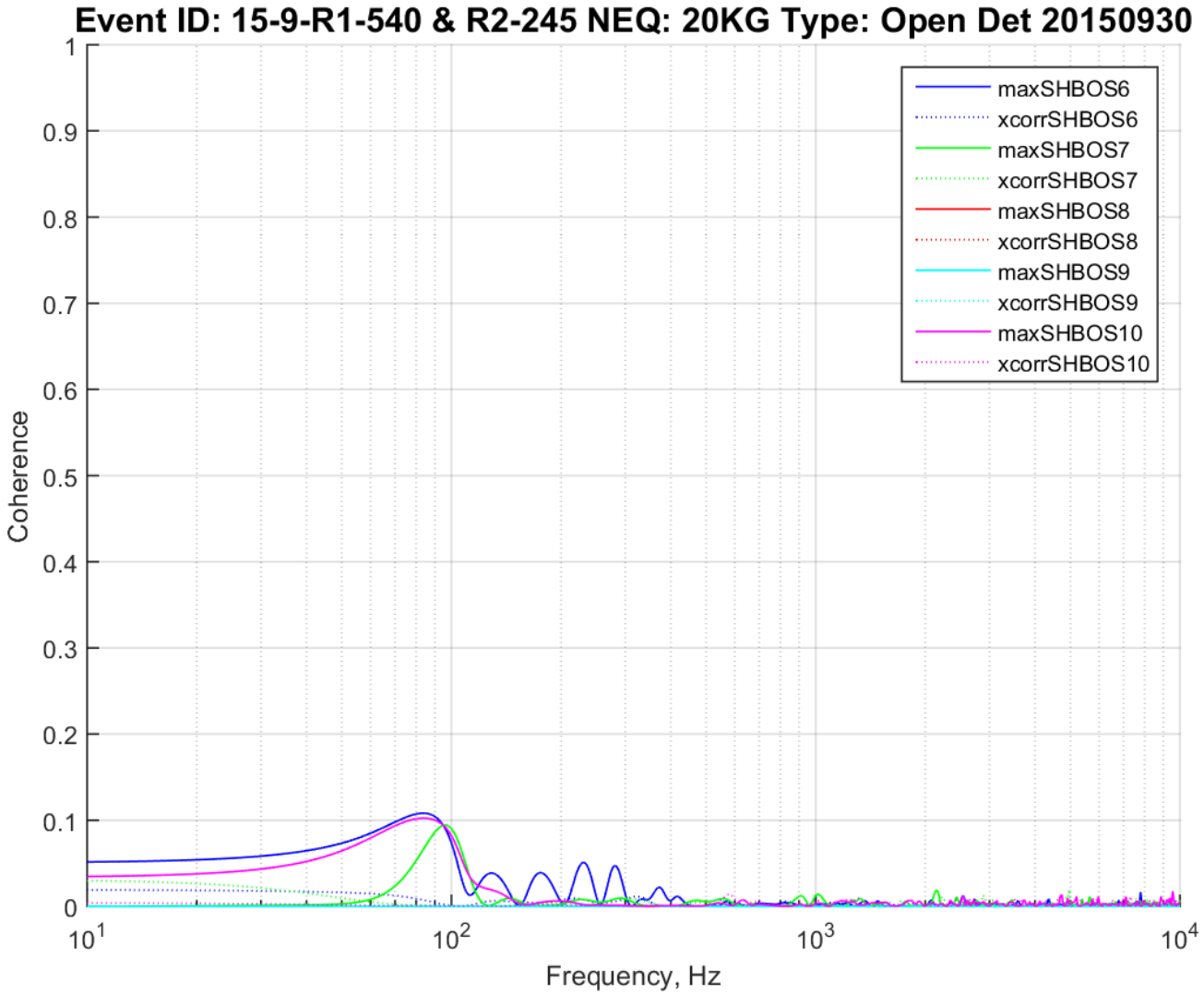


FIGURE 2.1279: COHERENCE SHB_OS 6 - 10 15-9-R1-540 & R2-245CTD

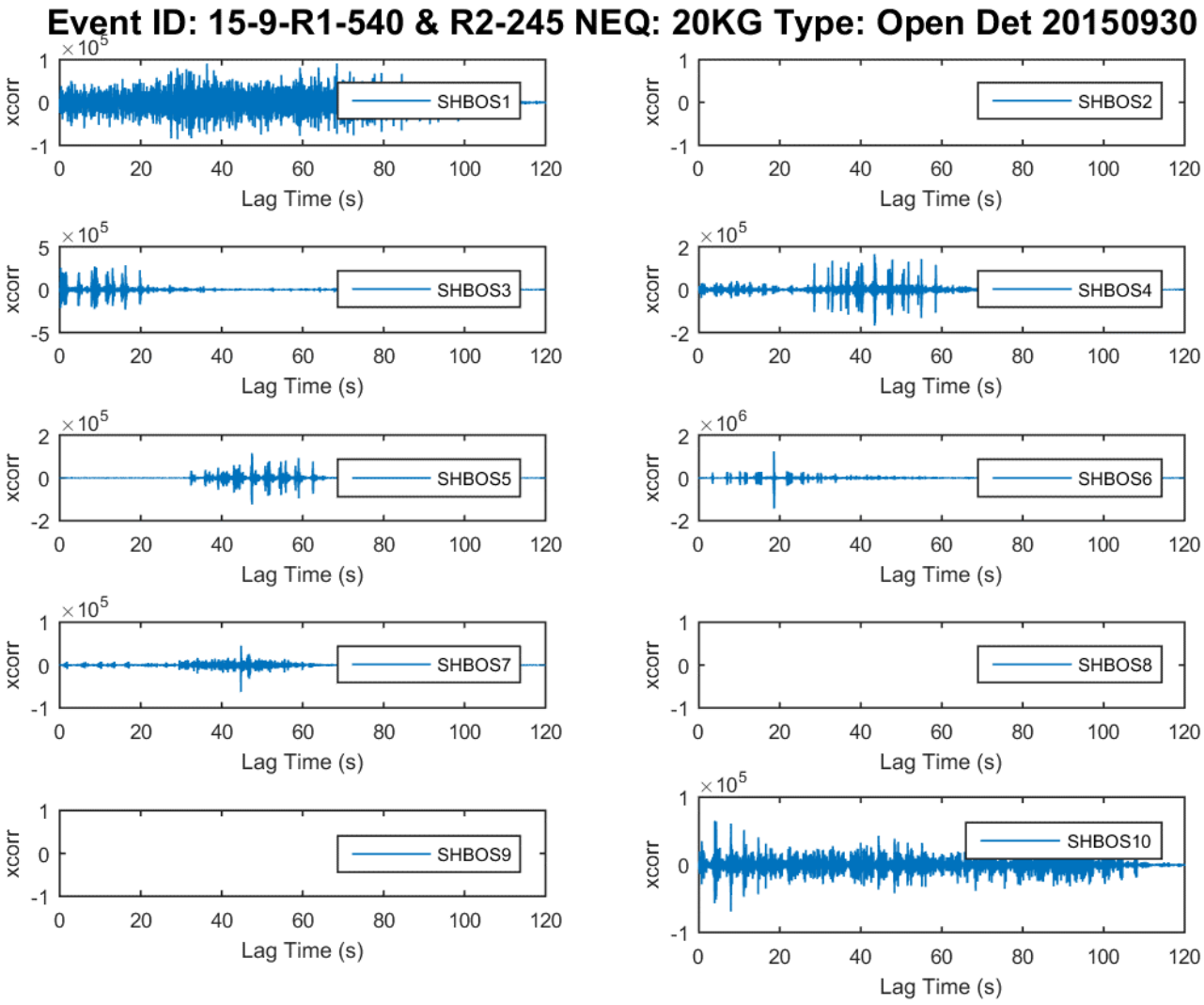


FIGURE 2.1280: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-540 & R2-245

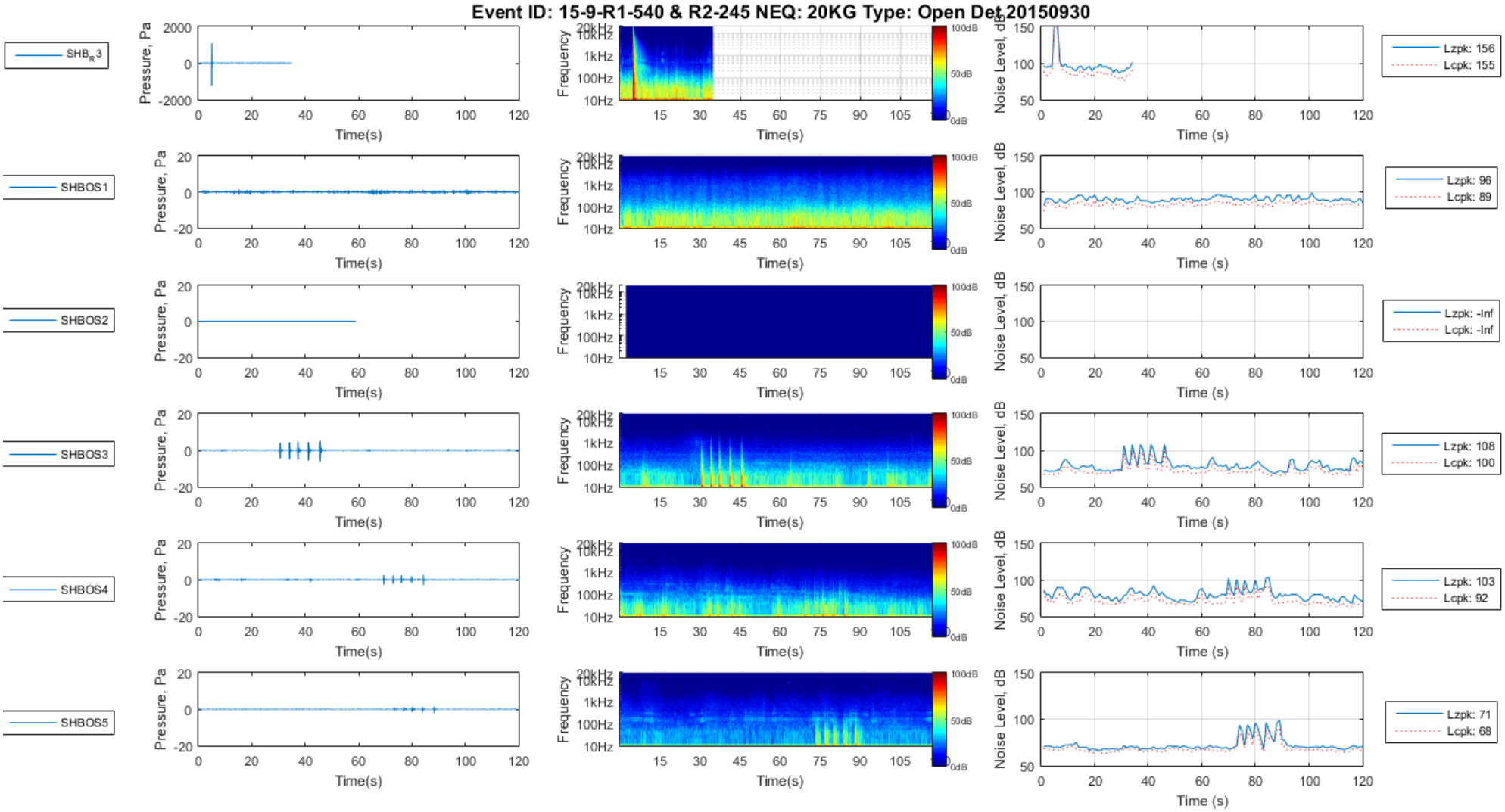


FIGURE 2.1281: SHB_OS 1 - 5 15-9-R1-540 & R2-245

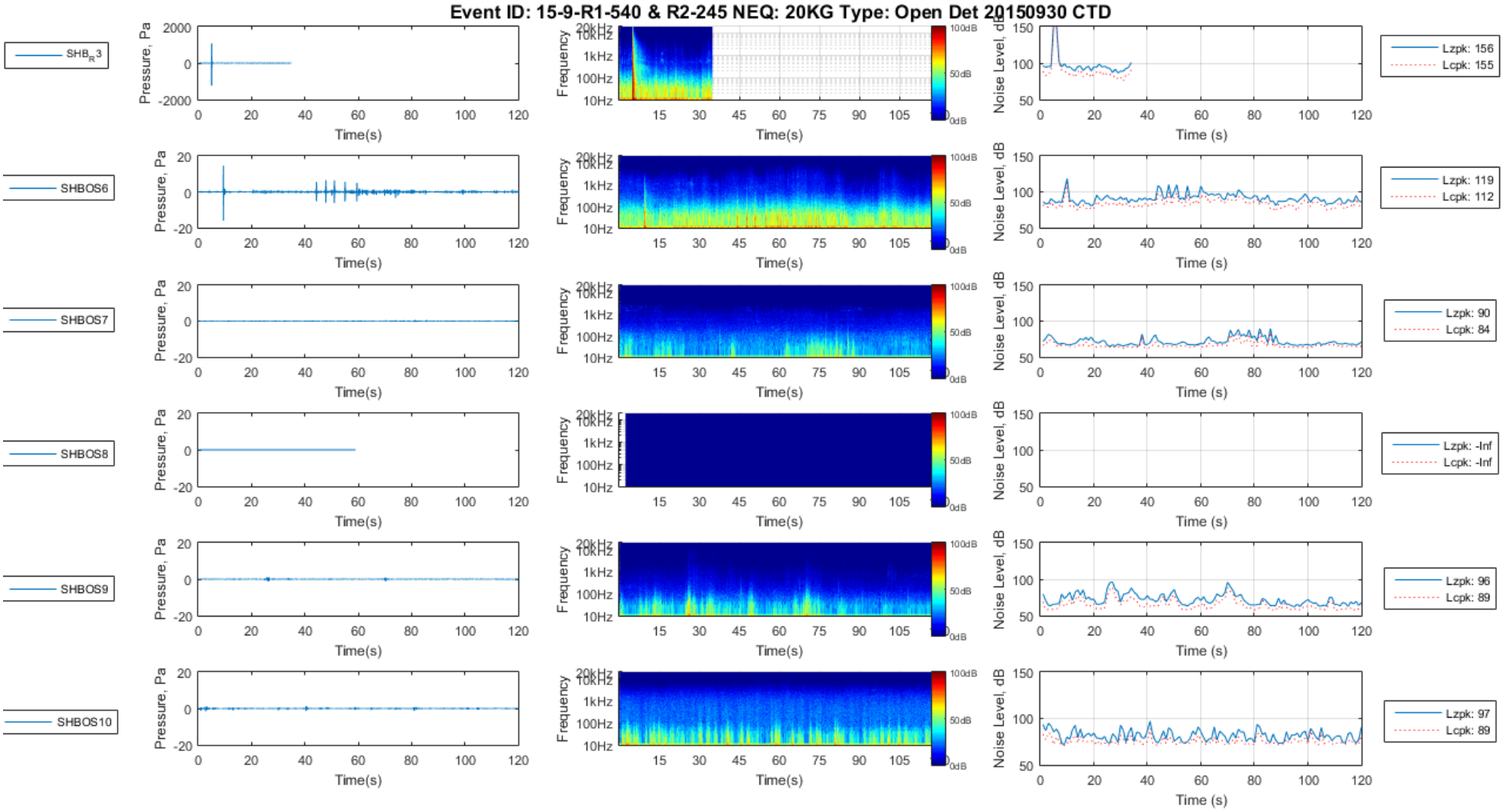


FIGURE 2.1282: SHB_OS 6 - 10 15-9-R1-540 & R2-245

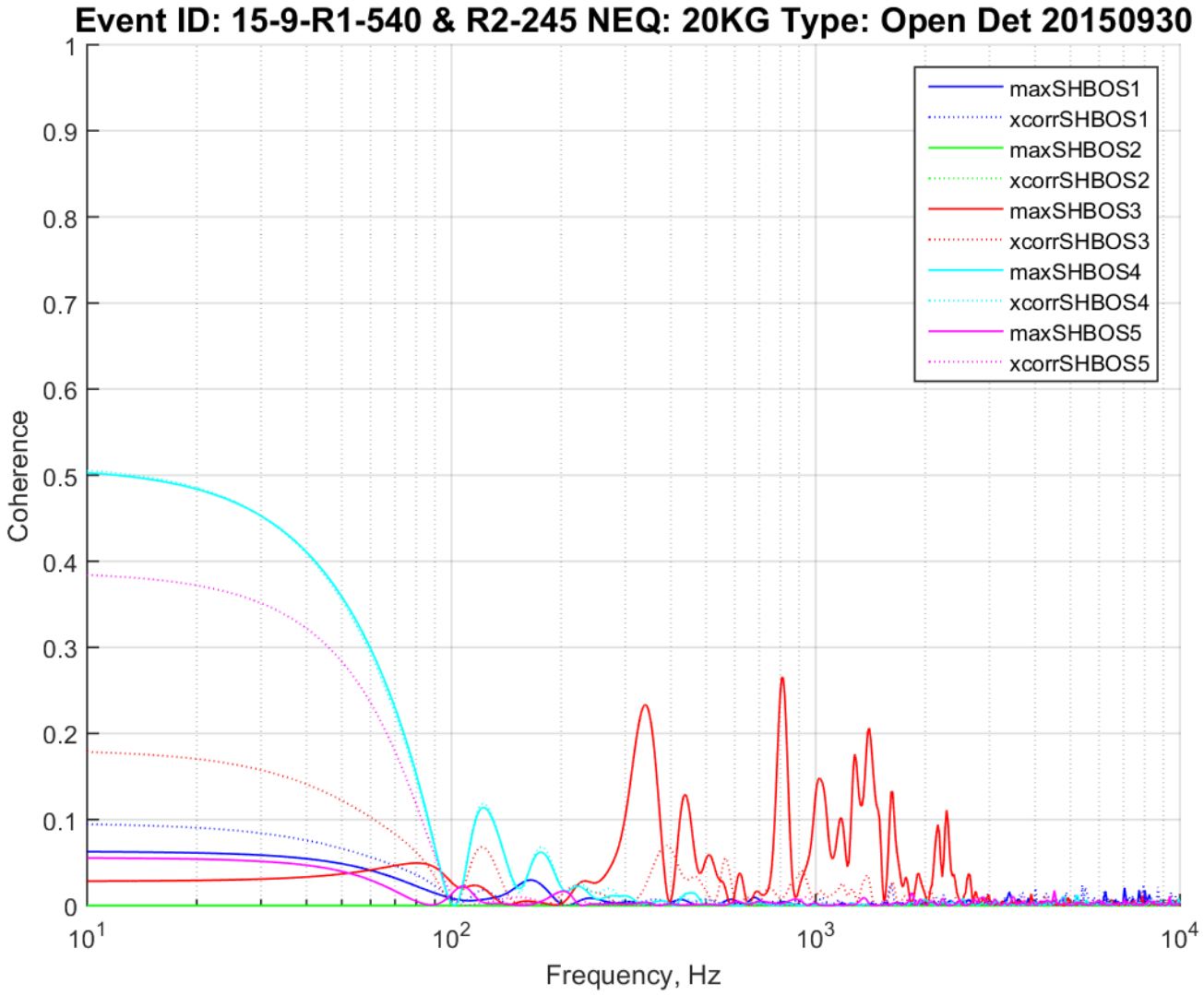


FIGURE 2.1283: COHERENCE SHB_OS 1 - 5 15-9-R1-540 & R2-245

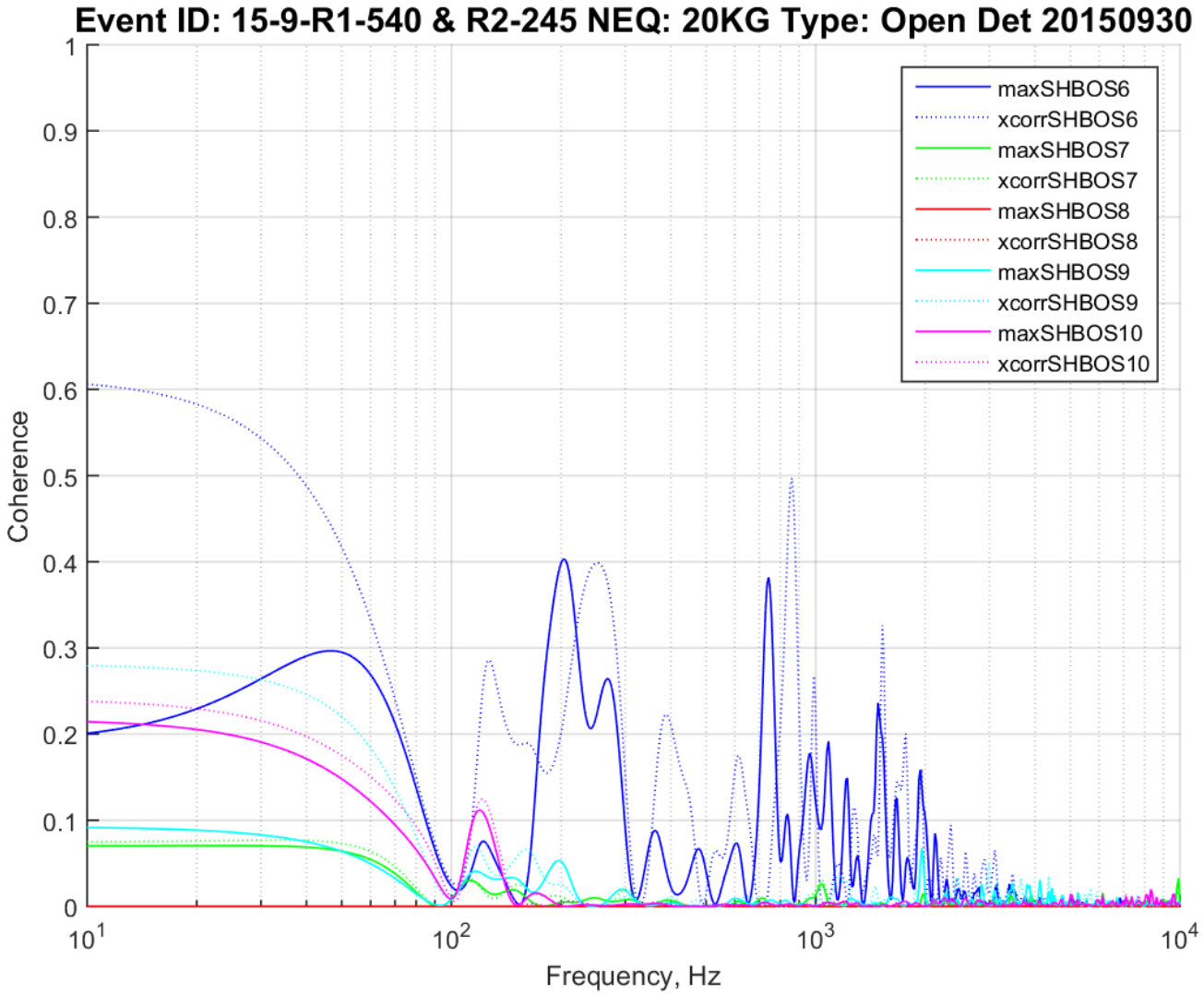


FIGURE 2.1284: COHERENCE SHB_OS 6 - 10 15-9-R1-540 & R2-245CTD

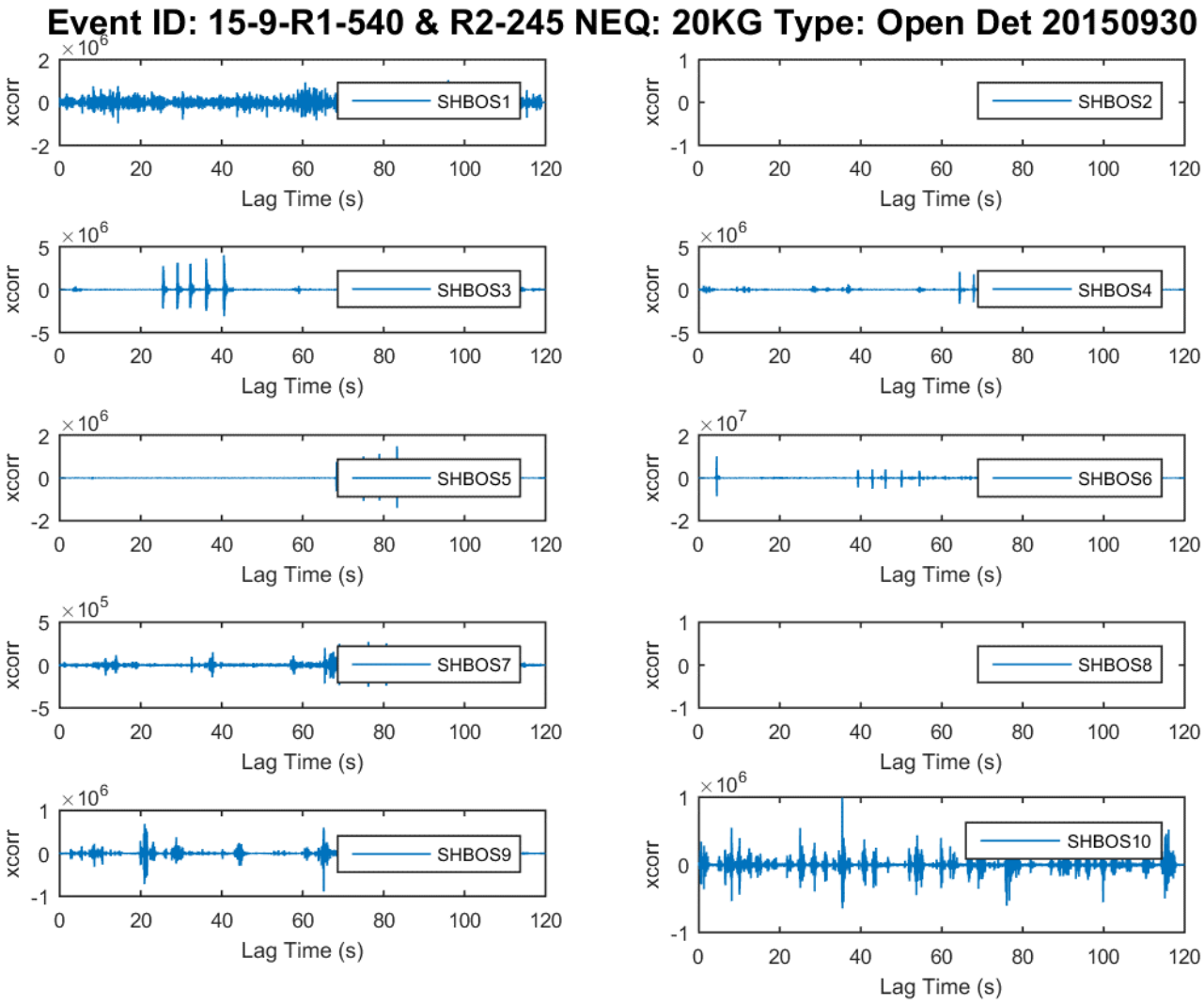


FIGURE 2.1285: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-540 & R2-245

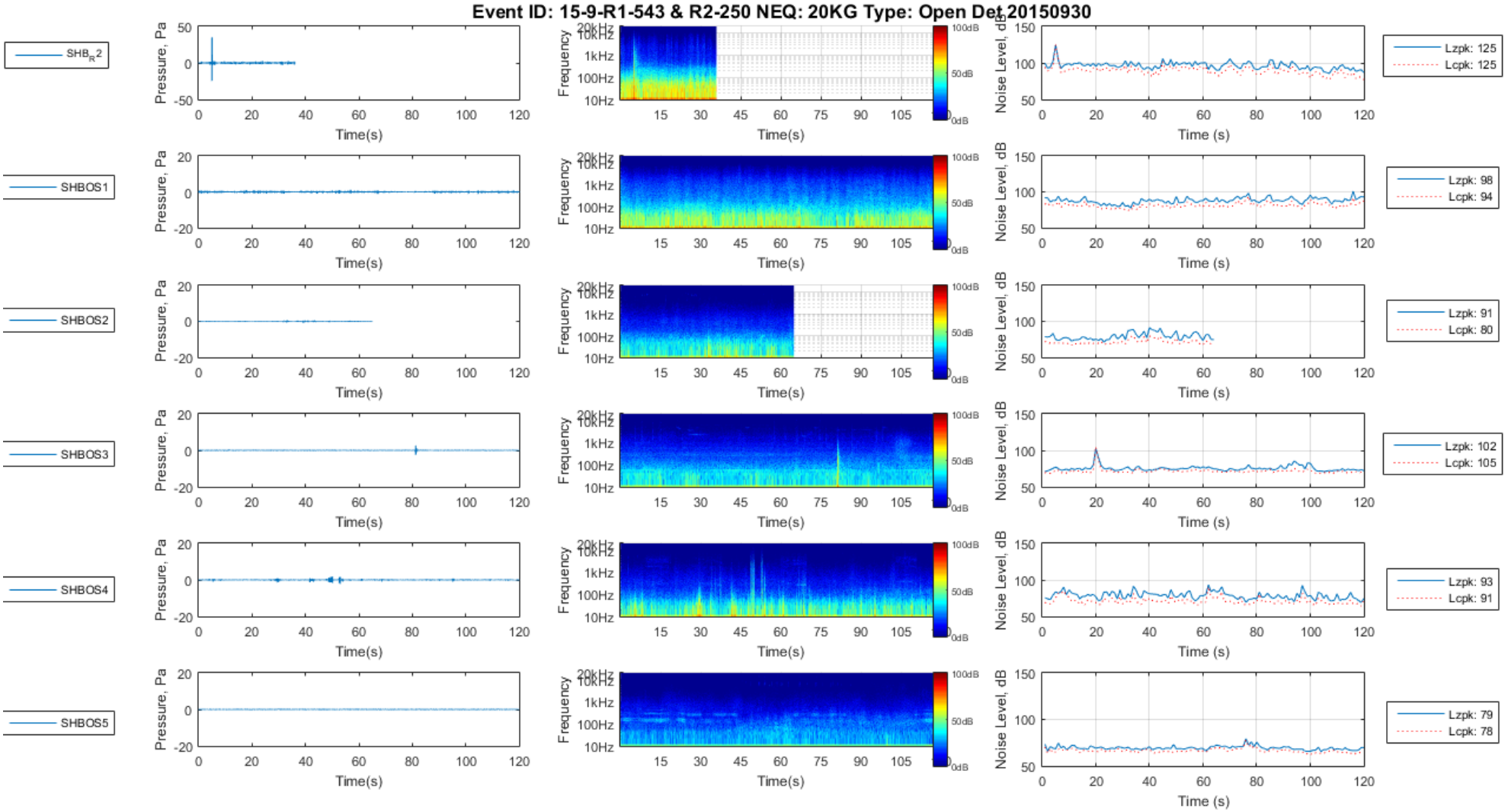


FIGURE 2.1286: SHB_OS 1 - 5 15-9-R1-543 & R2-250

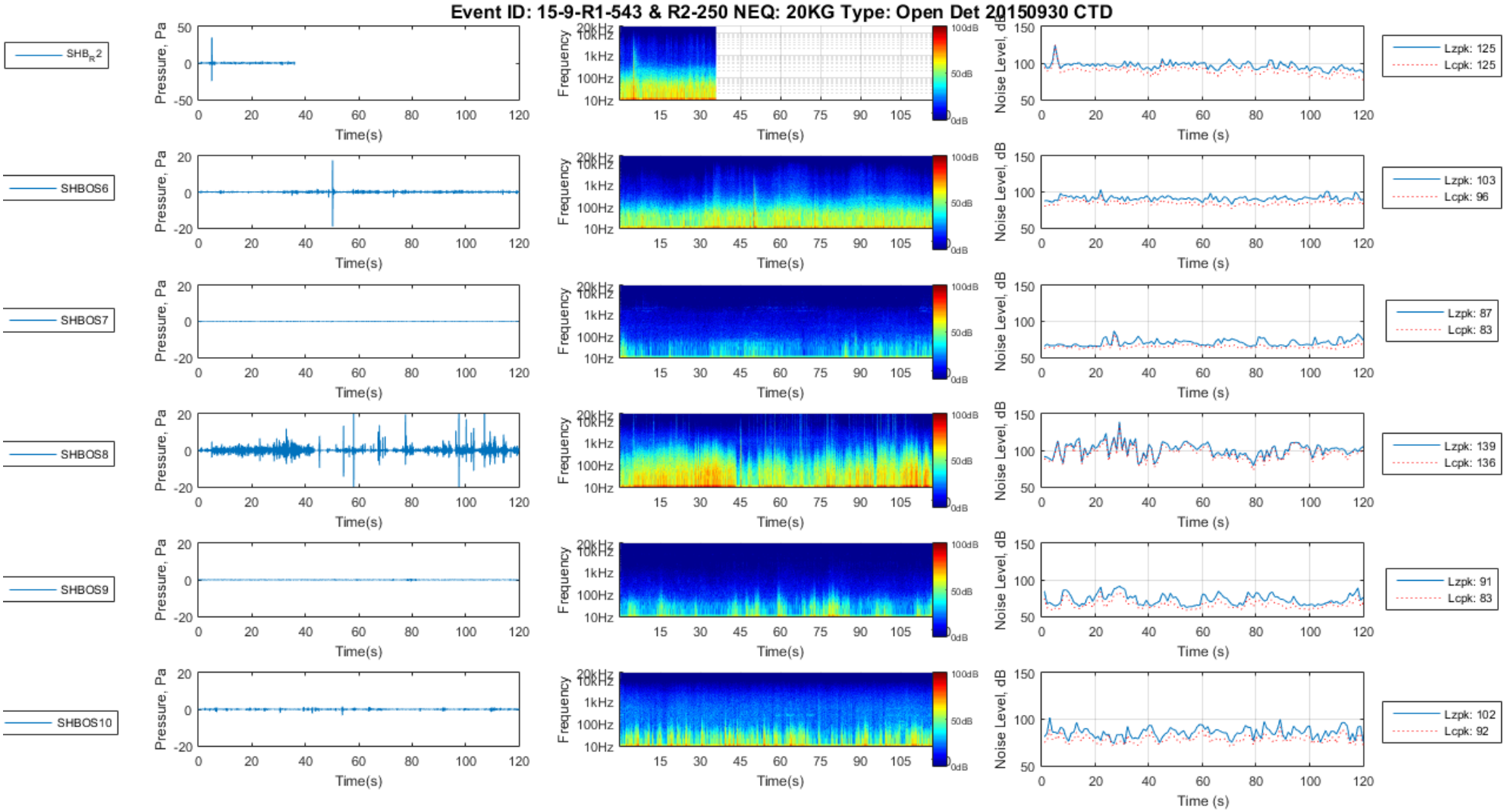


FIGURE 2.1287: SHB_OS 6 - 10 15-9-R1-543 & R2-250

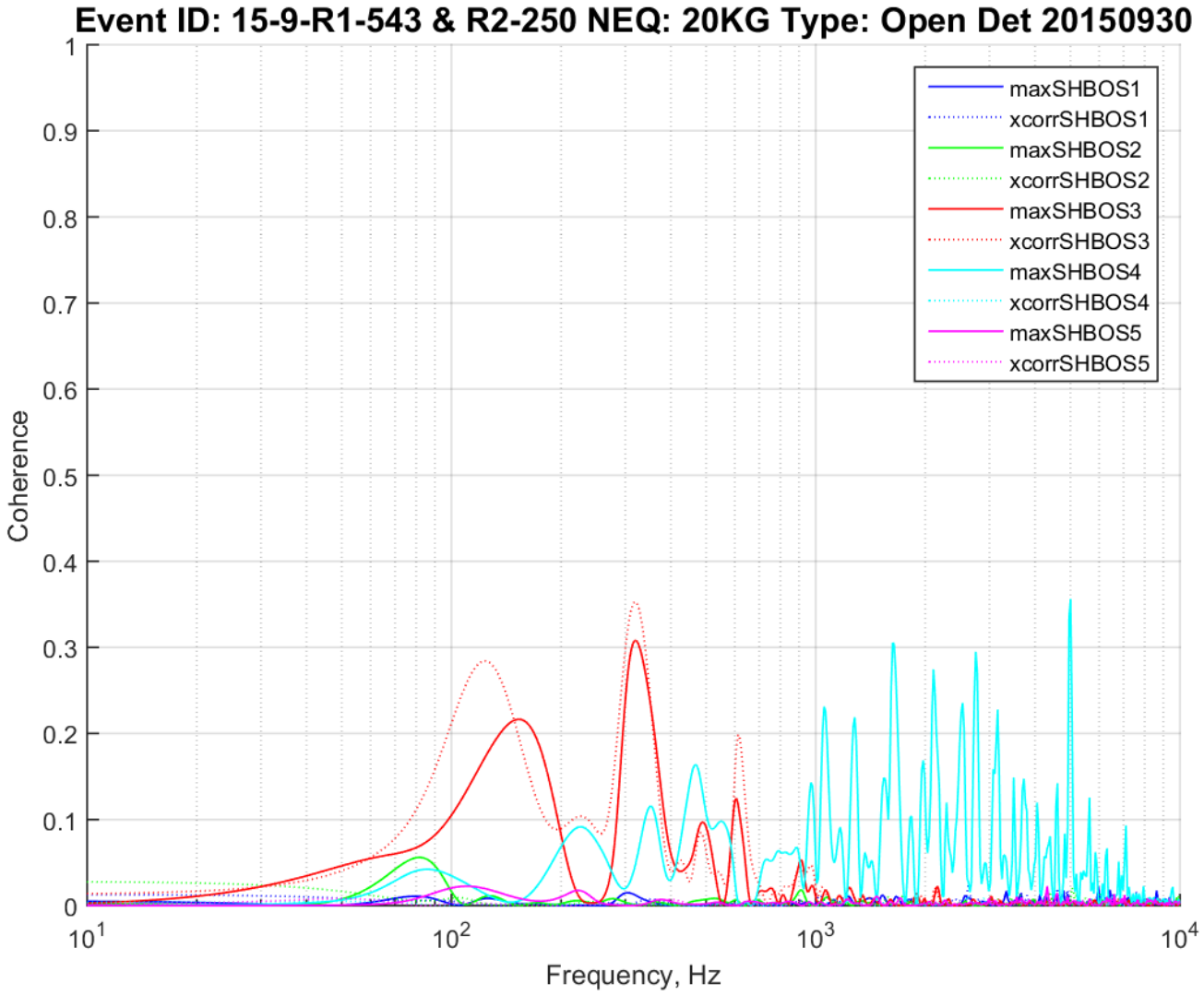


FIGURE 2.1288: COHERENCE SHB_OS 1 - 5 15-9-R1-543 & R2-250

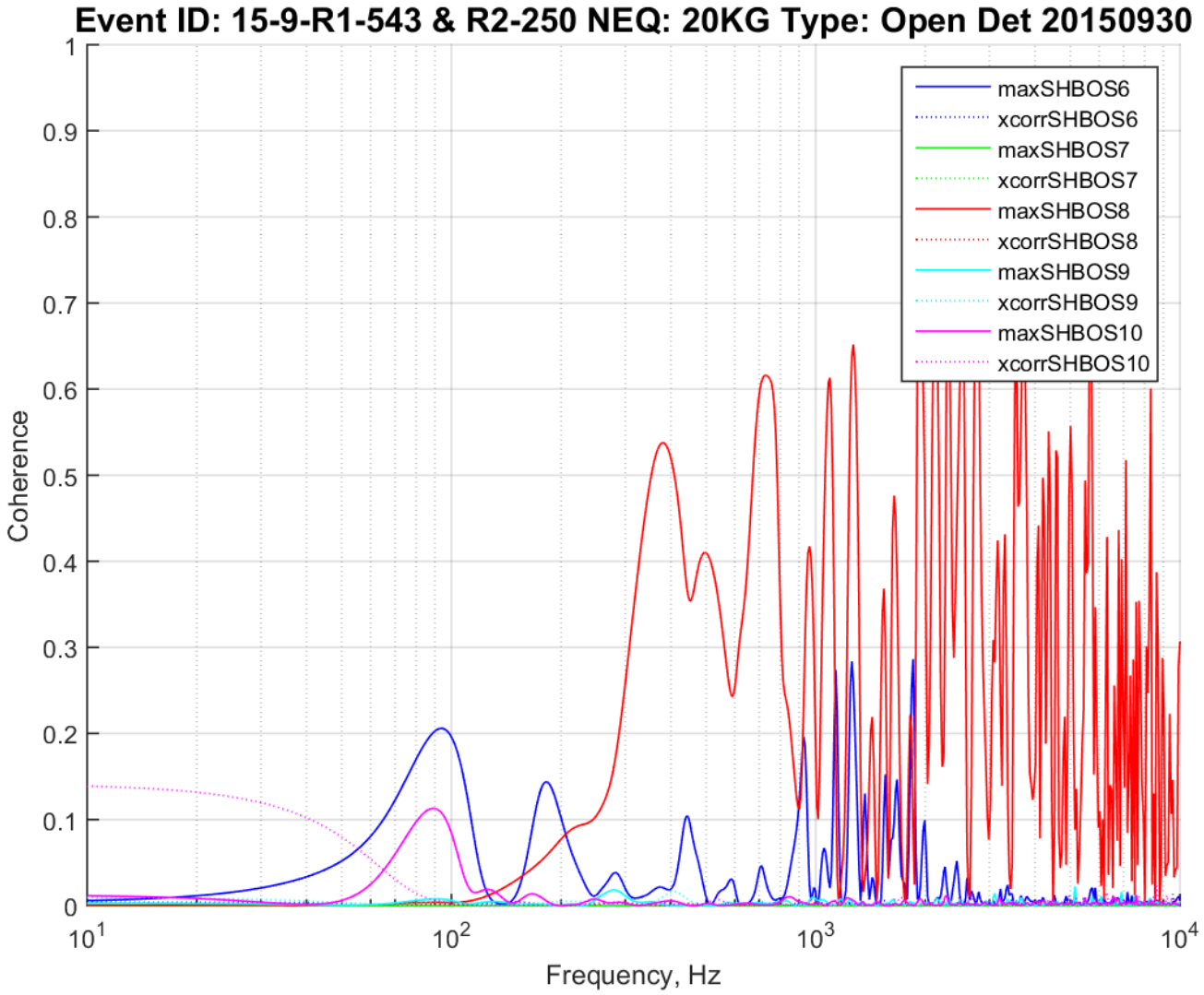


FIGURE 2.1289: COHERENCE SHB_OS 6 - 10 15-9-R1-543 & R2-250CTD

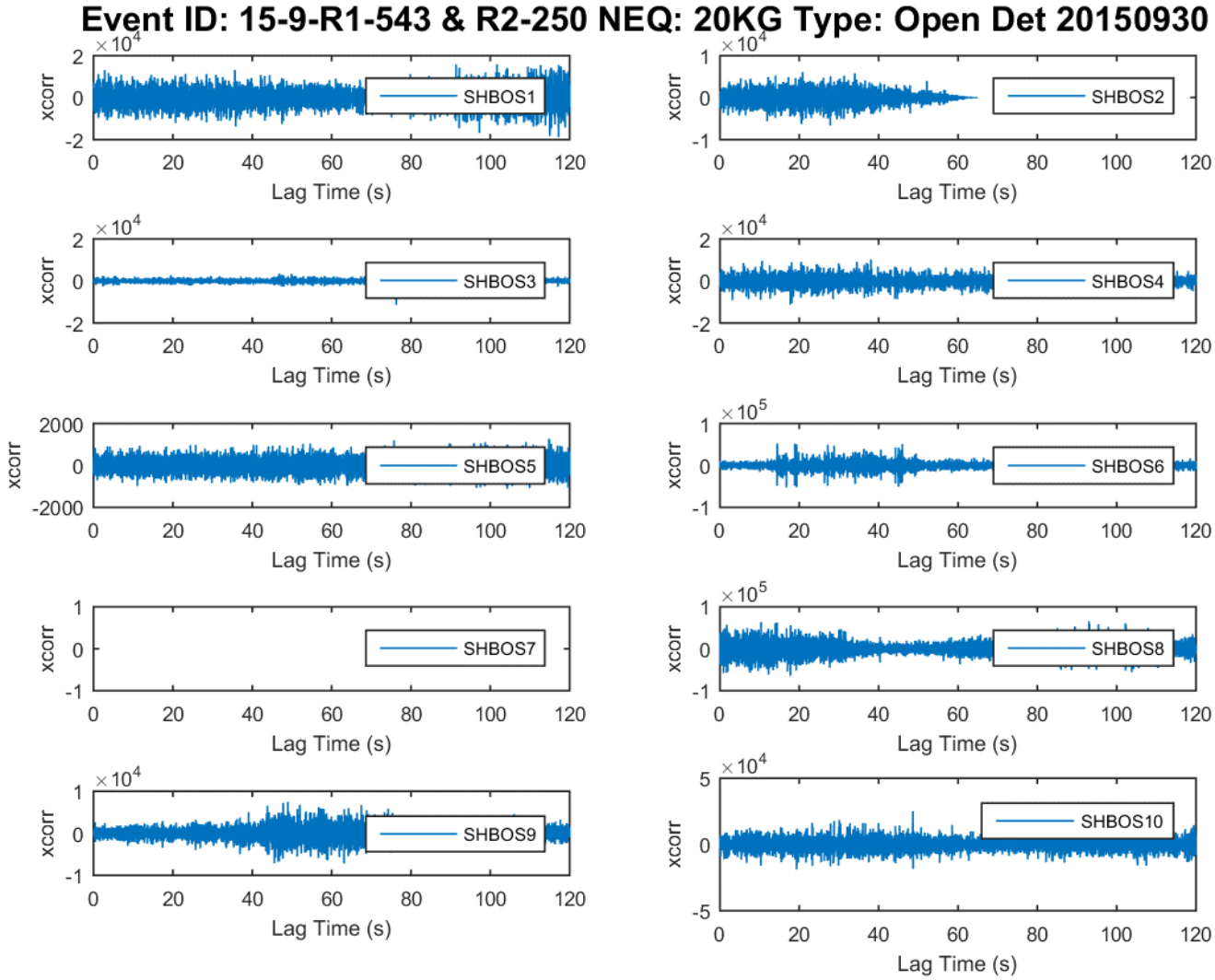


FIGURE 2.1290: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-543 & R2-250

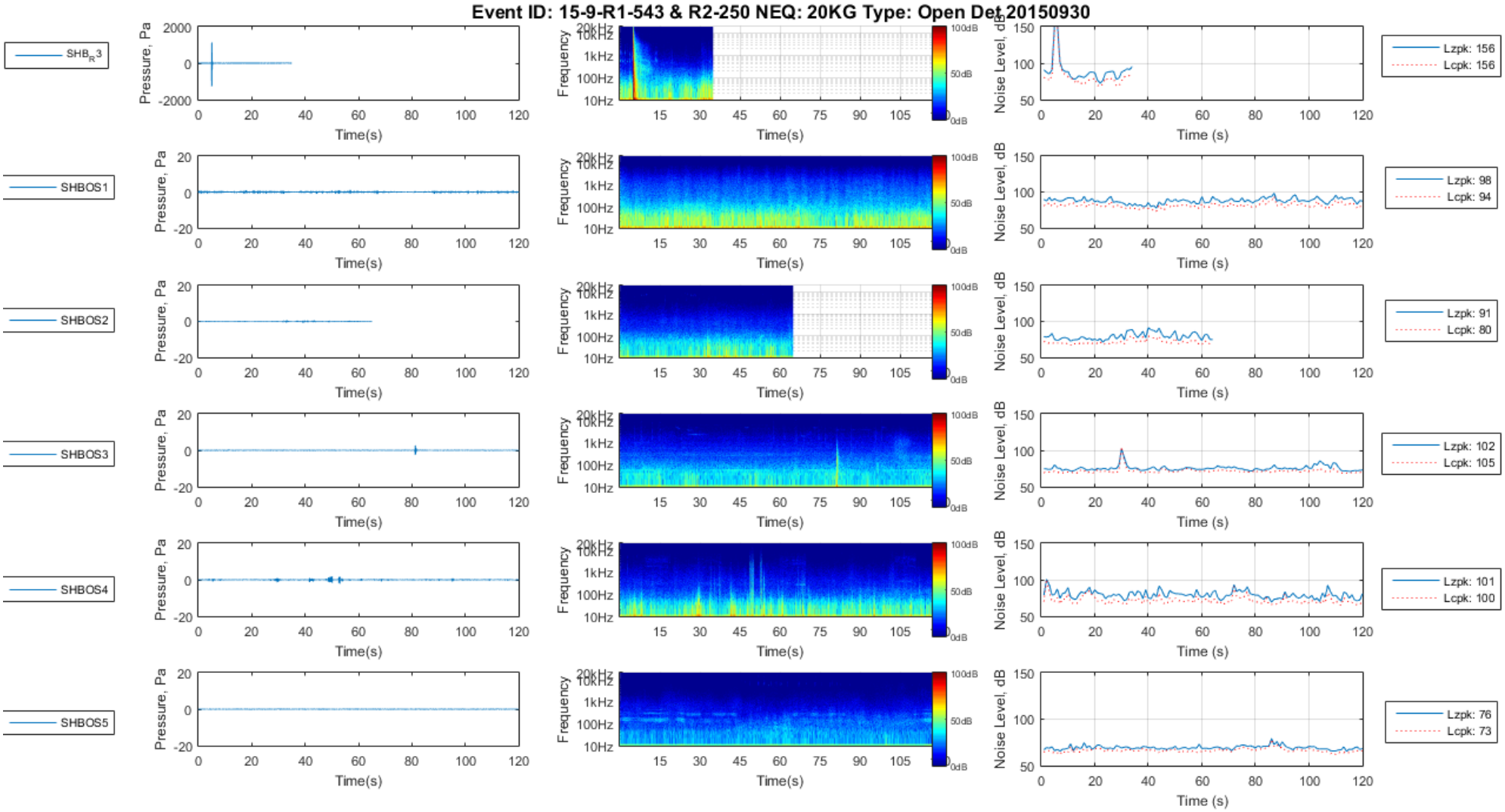


FIGURE 2.1291: SHB_OS 1 - 5 15-9-R1-543 & R2-250

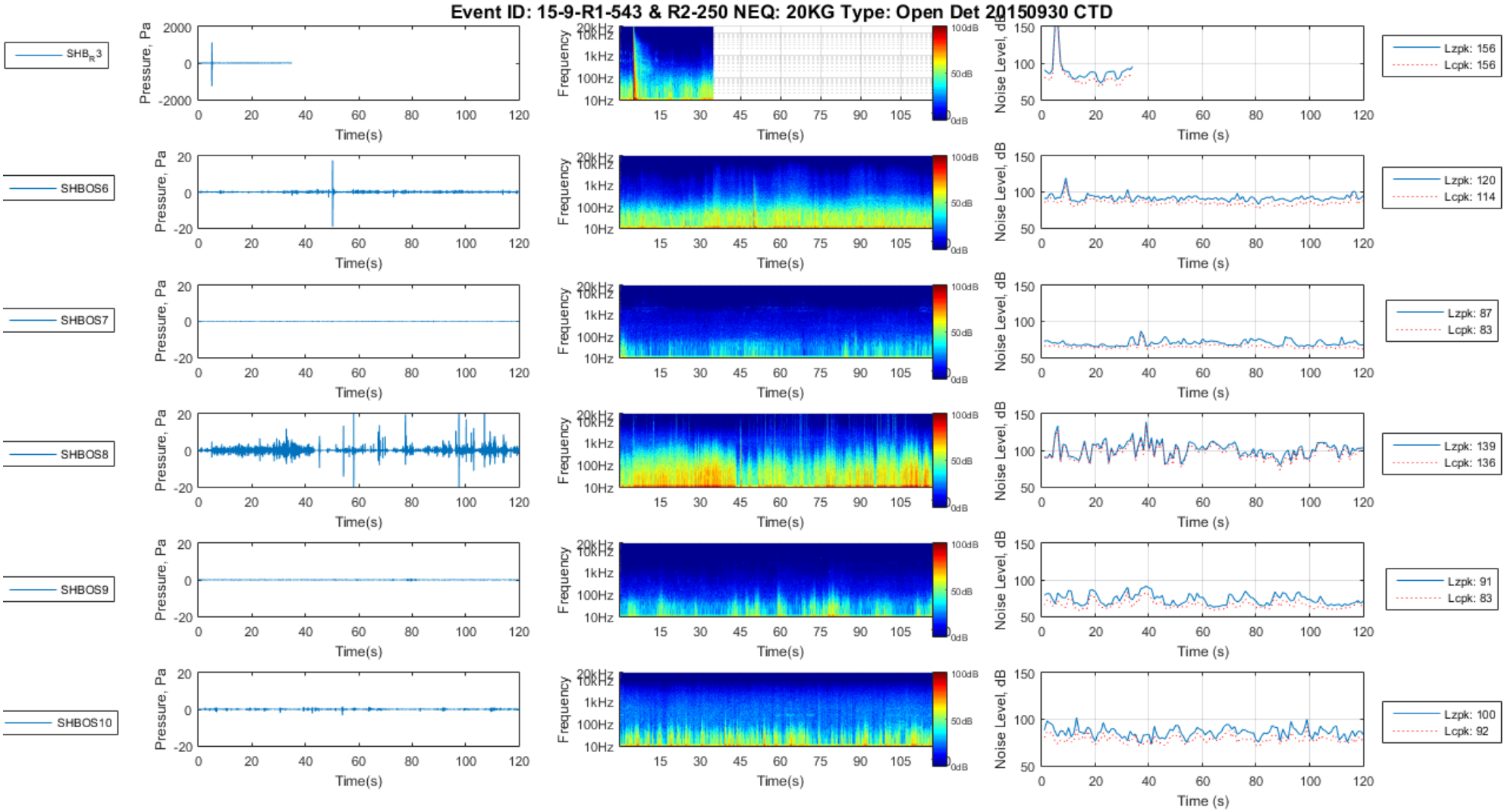


FIGURE 2.1292: SHB_OS 6 - 10 15-9-R1-543 & R2-250

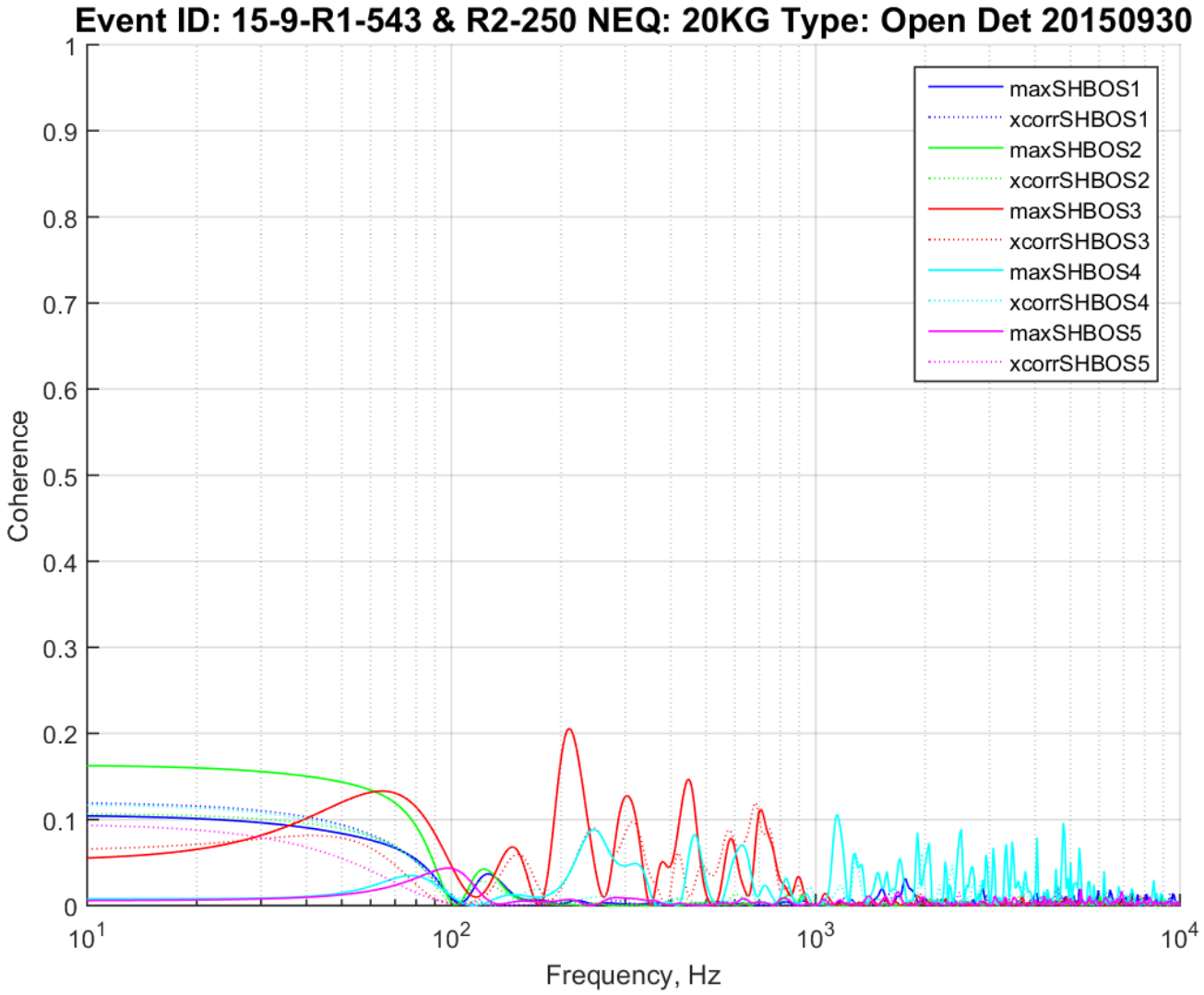


FIGURE 2.1293: COHERENCE SHB_OS 1 - 5 15-9-R1-543 & R2-250

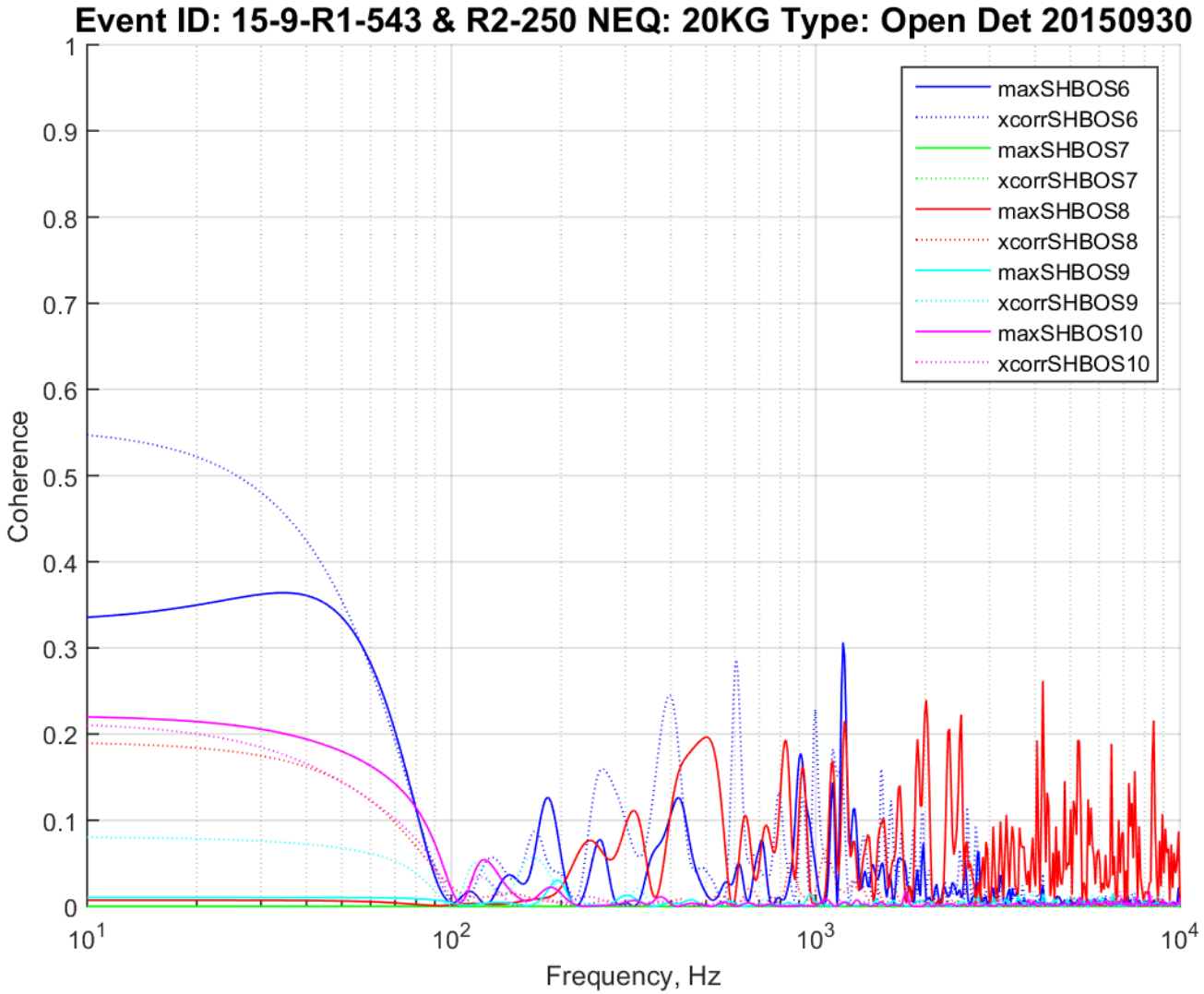


FIGURE 2.1294: COHERENCE SHB_OS 6 - 10 15-9-R1-543 & R2-250CTD

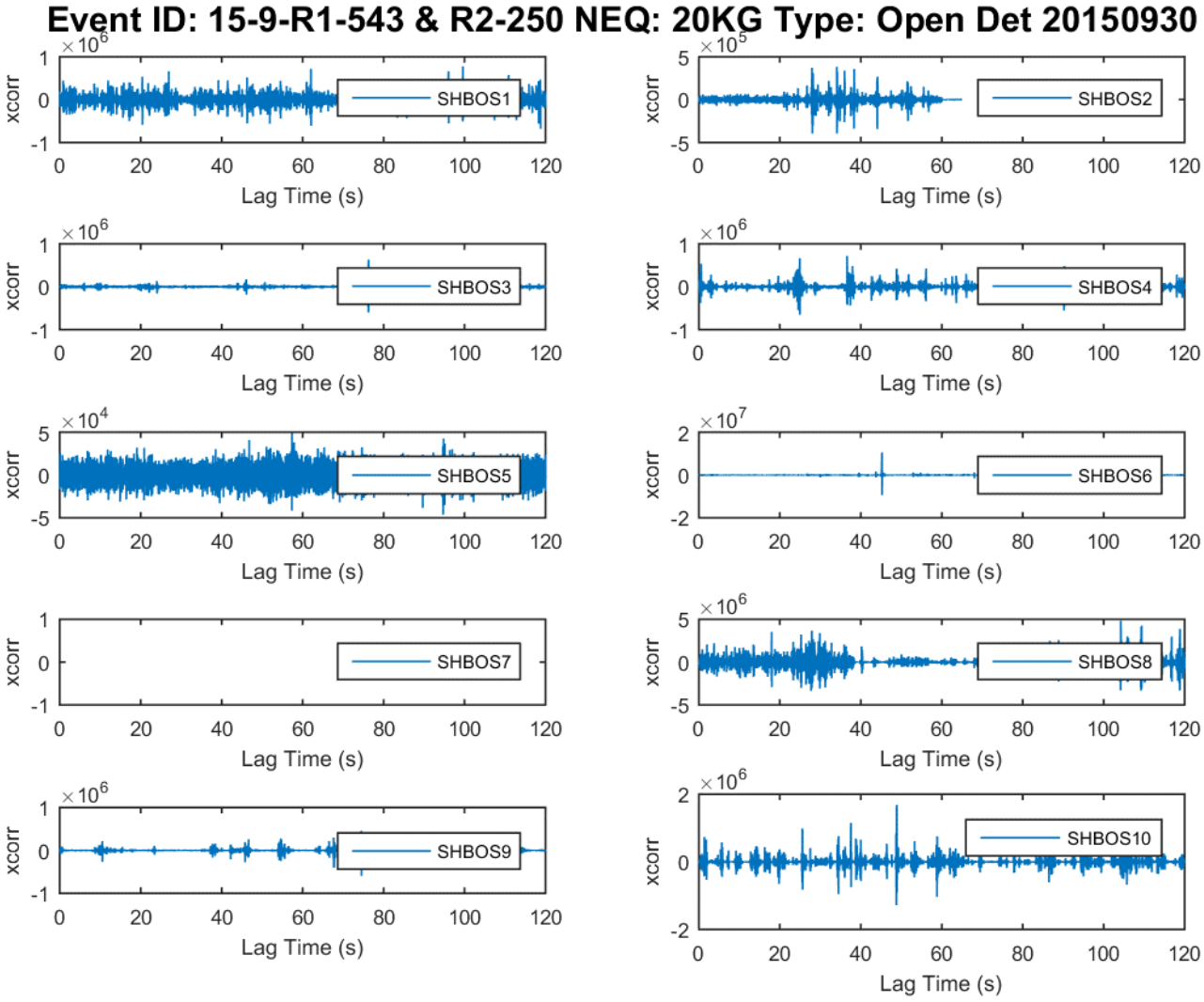


FIGURE 2.1295: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-543 & R2-250

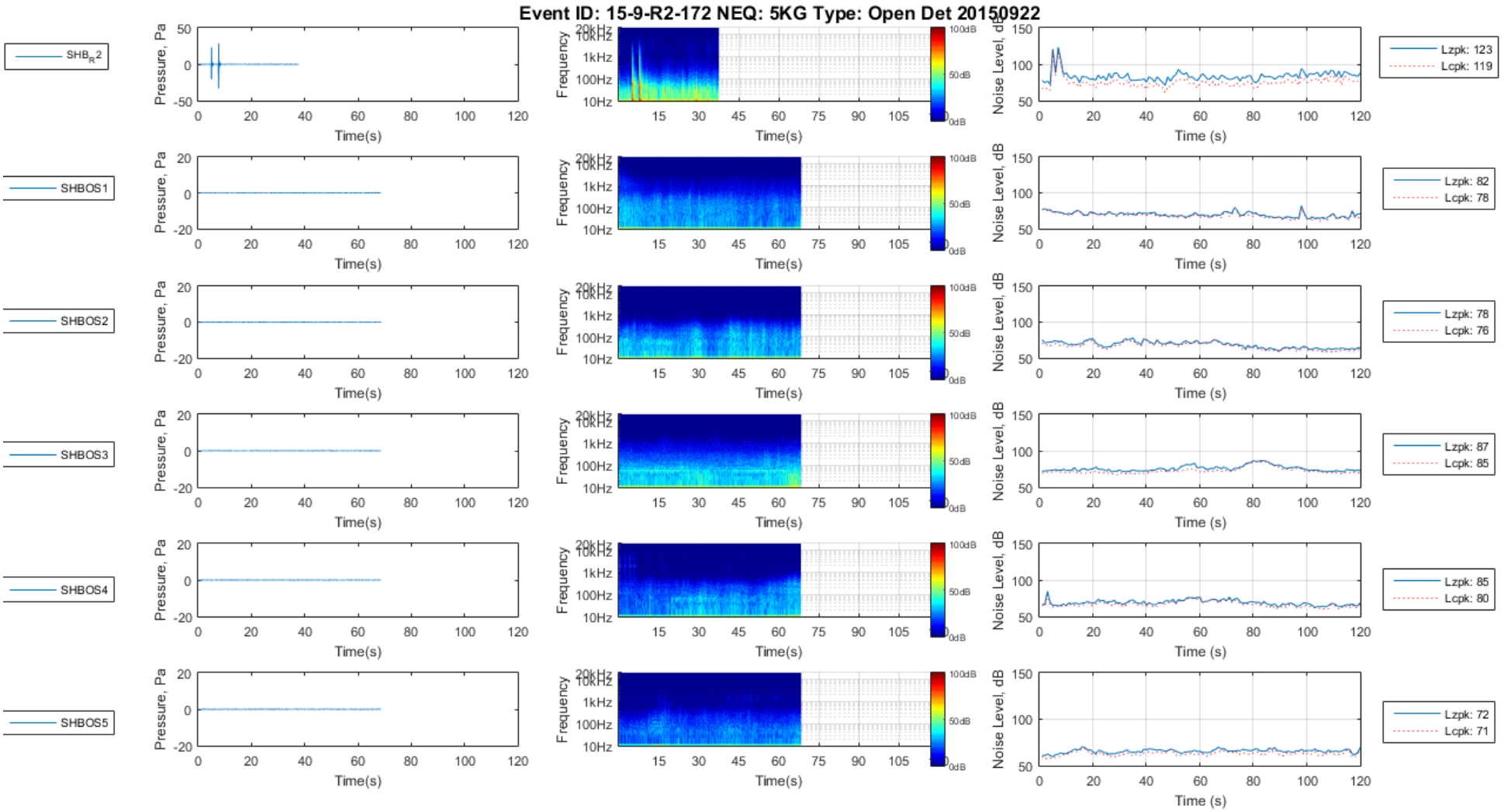


FIGURE 2.1296: SHB_OS 1 - 5 15-9-R2-172

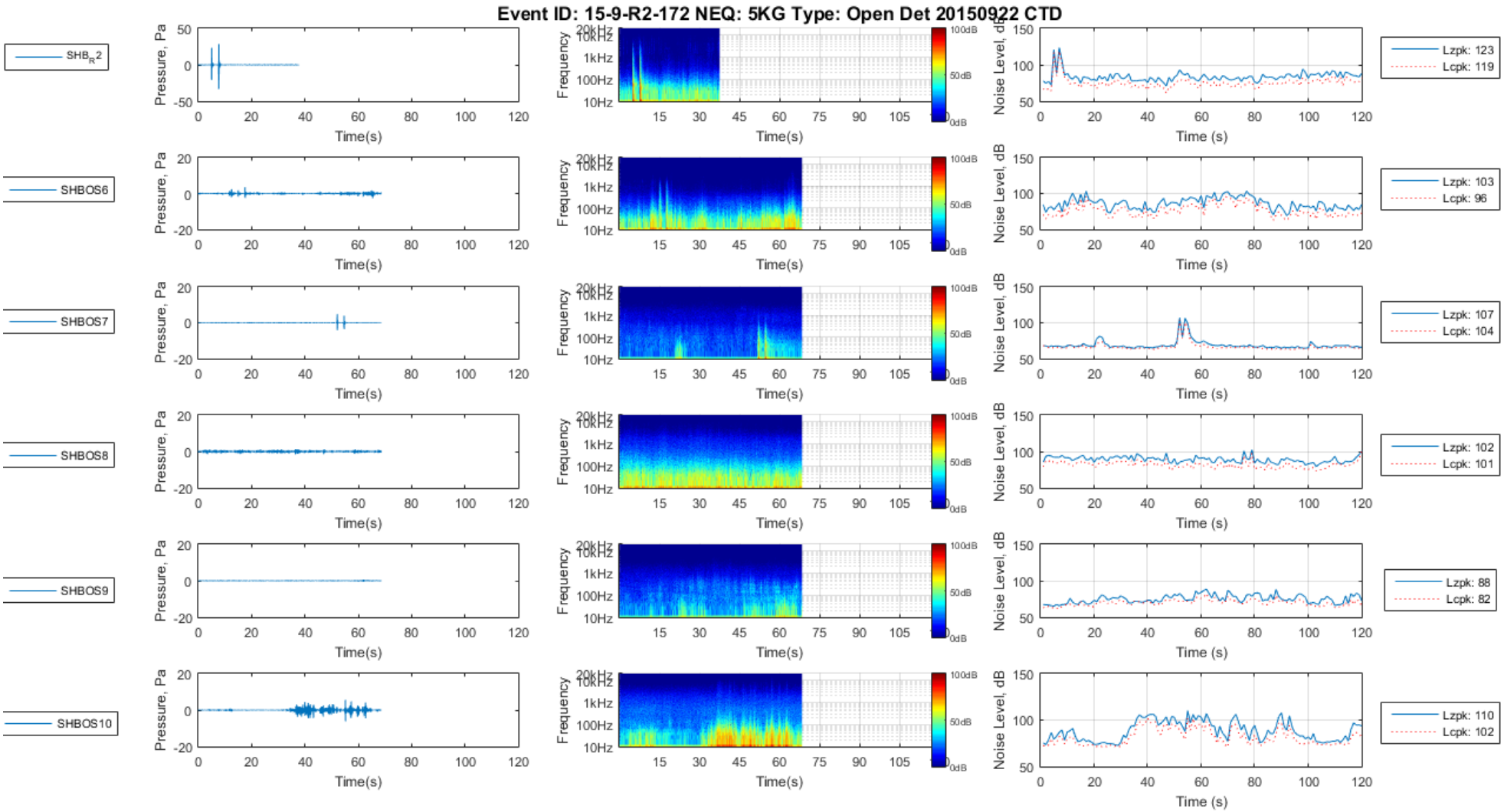


FIGURE 2.1297: SHB_OS 6 - 10 15-9-R2-172

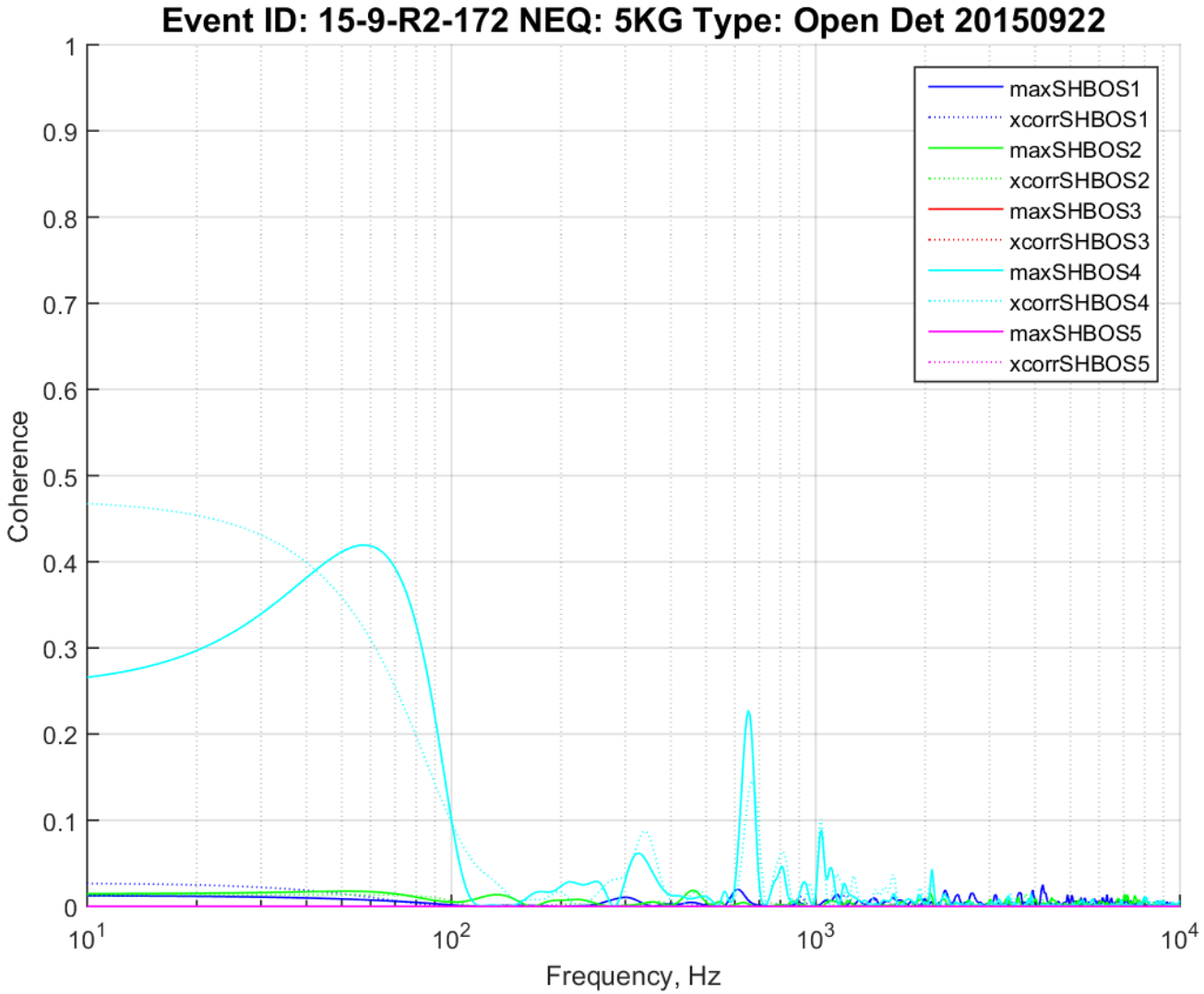


FIGURE 2.1298: COHERENCE SHB_OS 1 - 5 15-9-R2-172

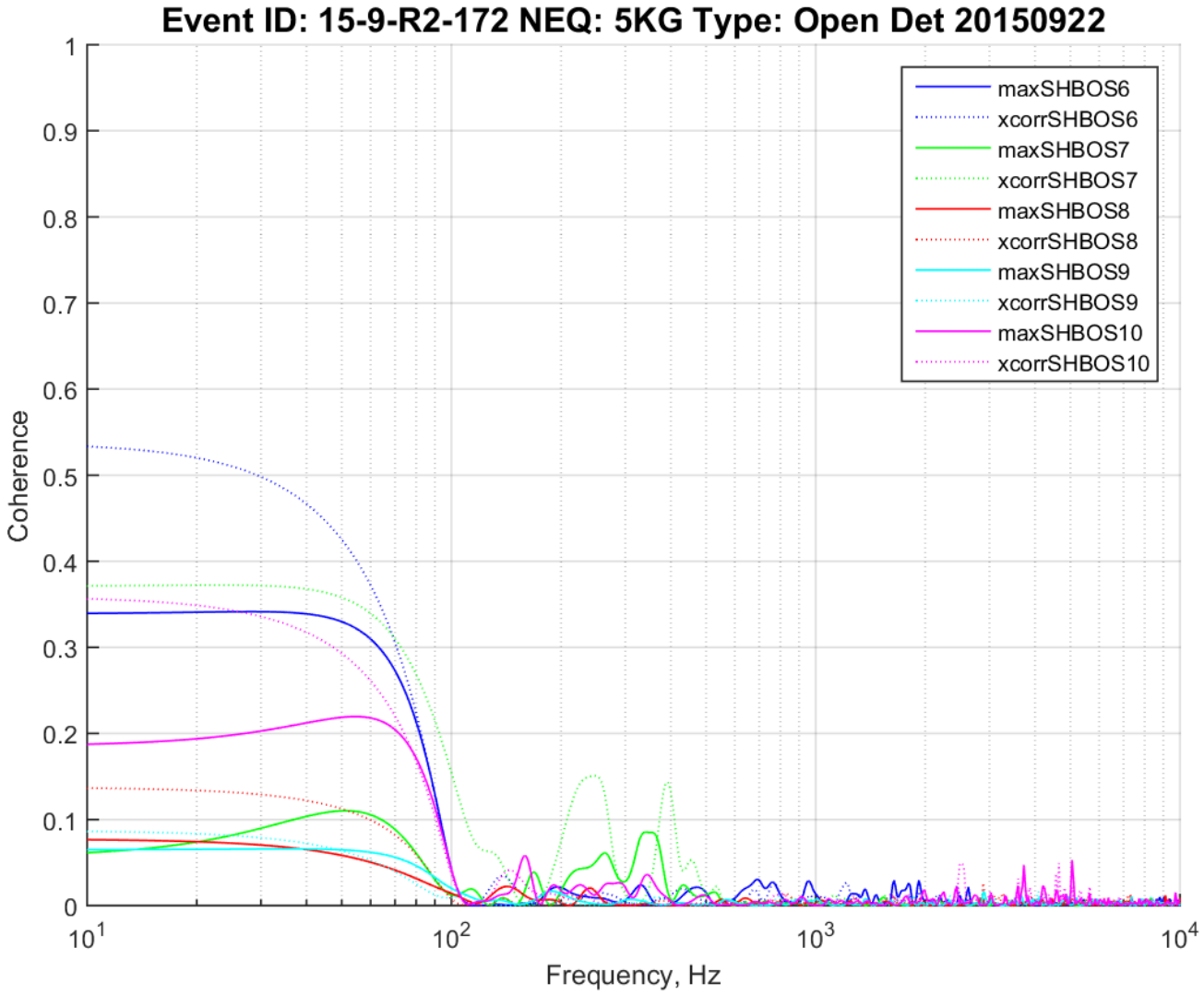


FIGURE 2.1299: COHERENCE SHB_OS 6 - 10 15-9-R2-172CTD

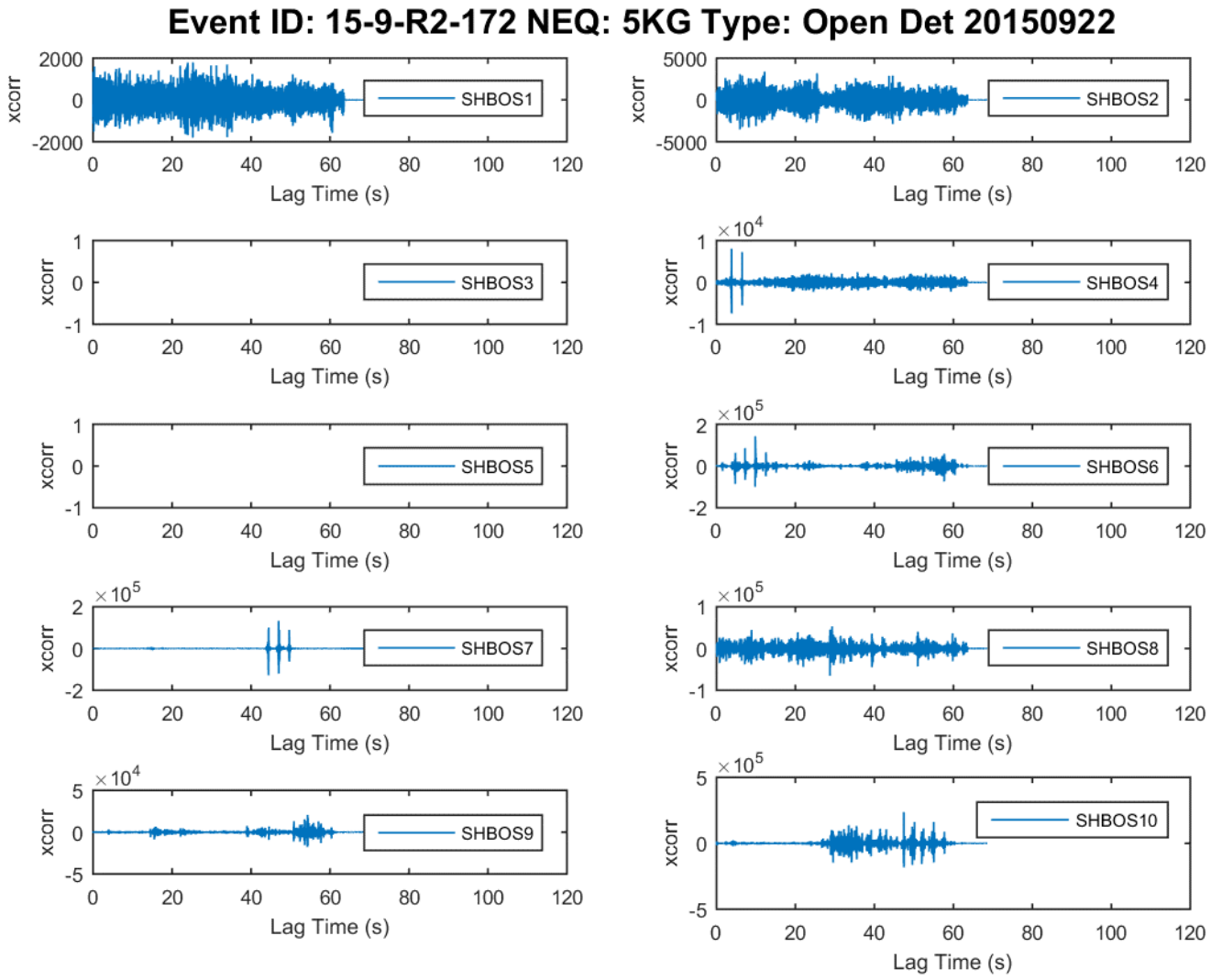


FIGURE 2.1300: CROSS CORRELATION SHB_OS 1 - 10 15-9-R2-172

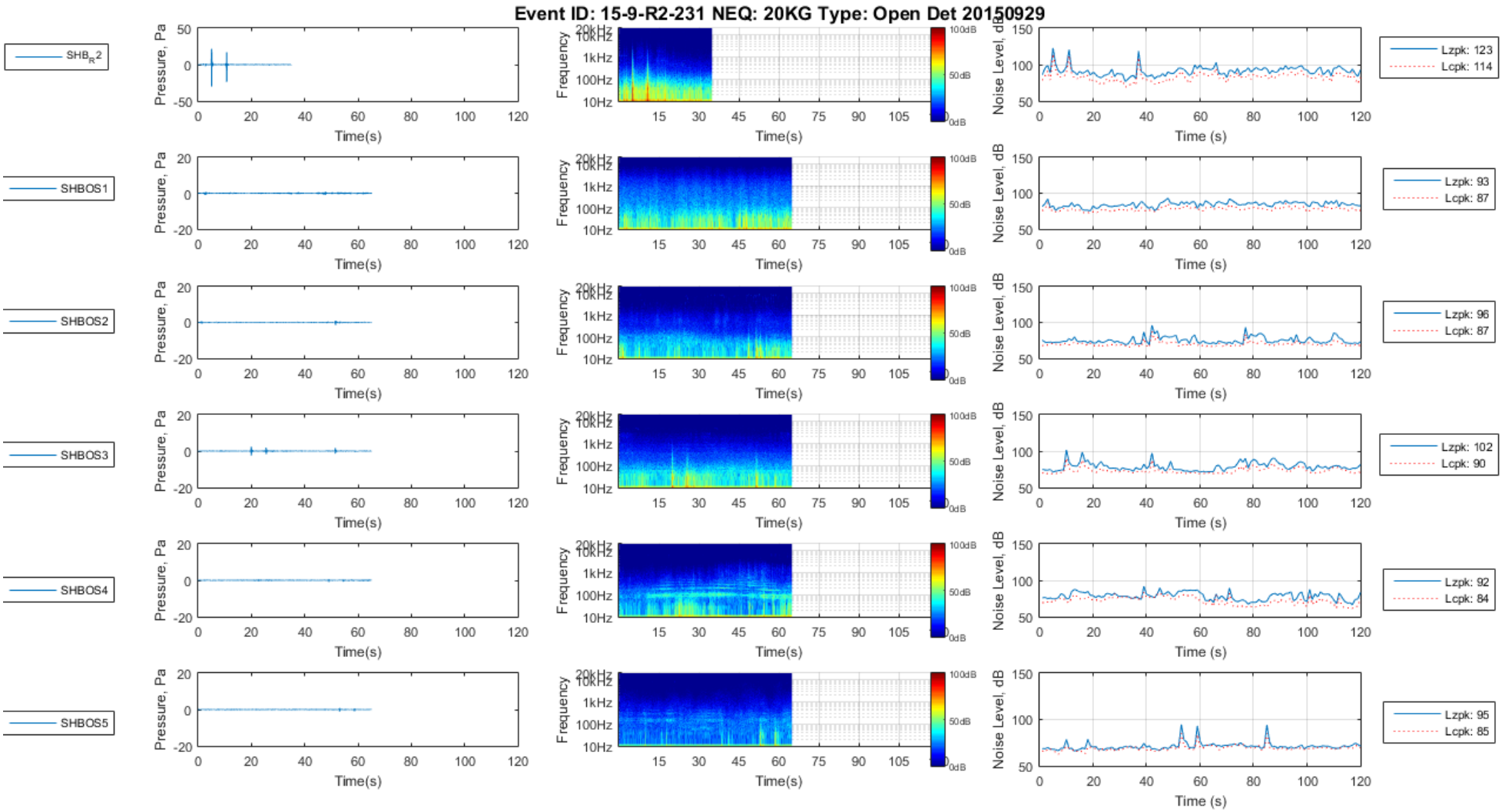


FIGURE 2.1301: SHB_OS 1 - 5 15-9-R2-231

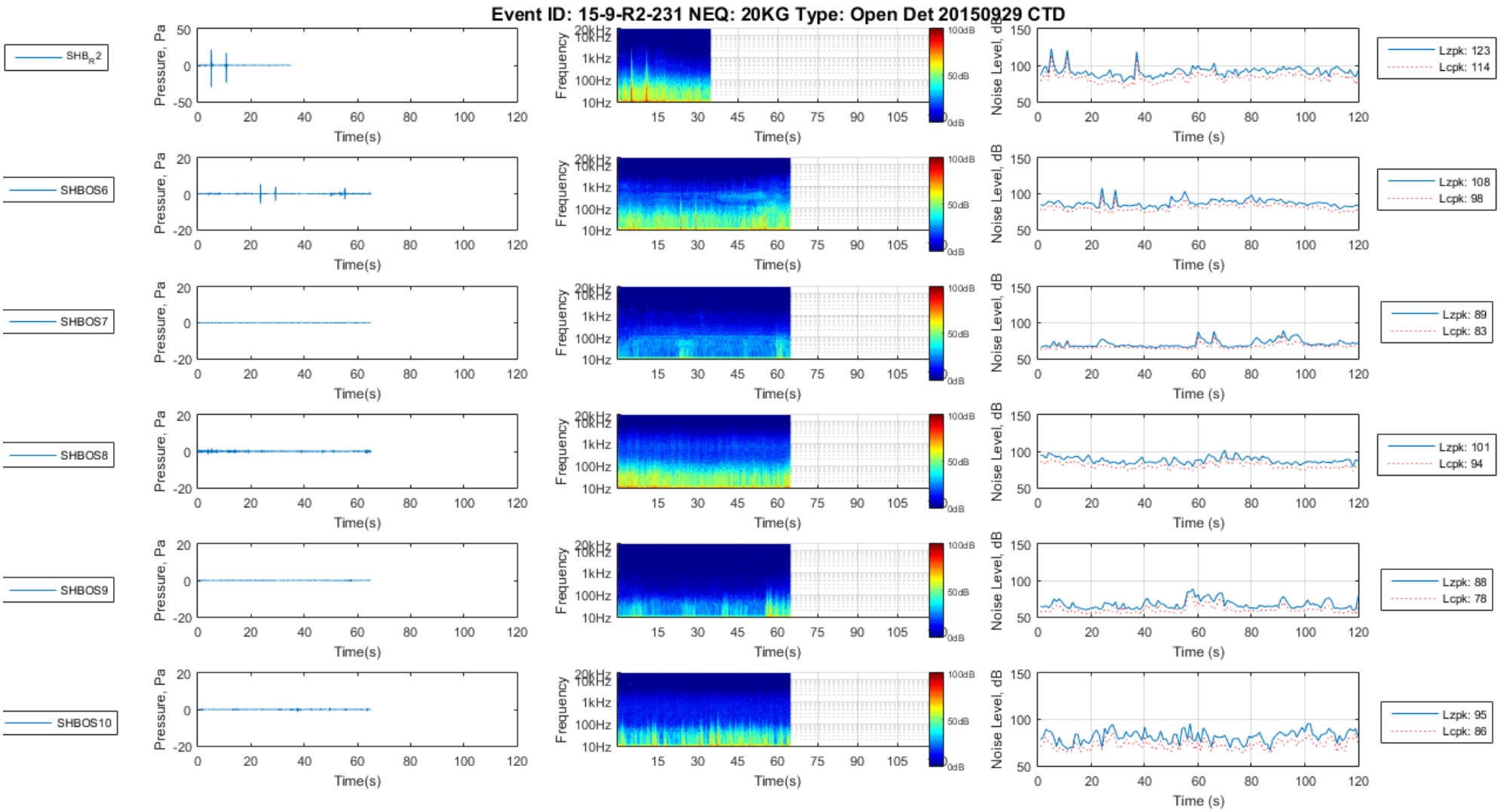


FIGURE 2.1302: SHB_OS 6 - 10 15-9-R2-231

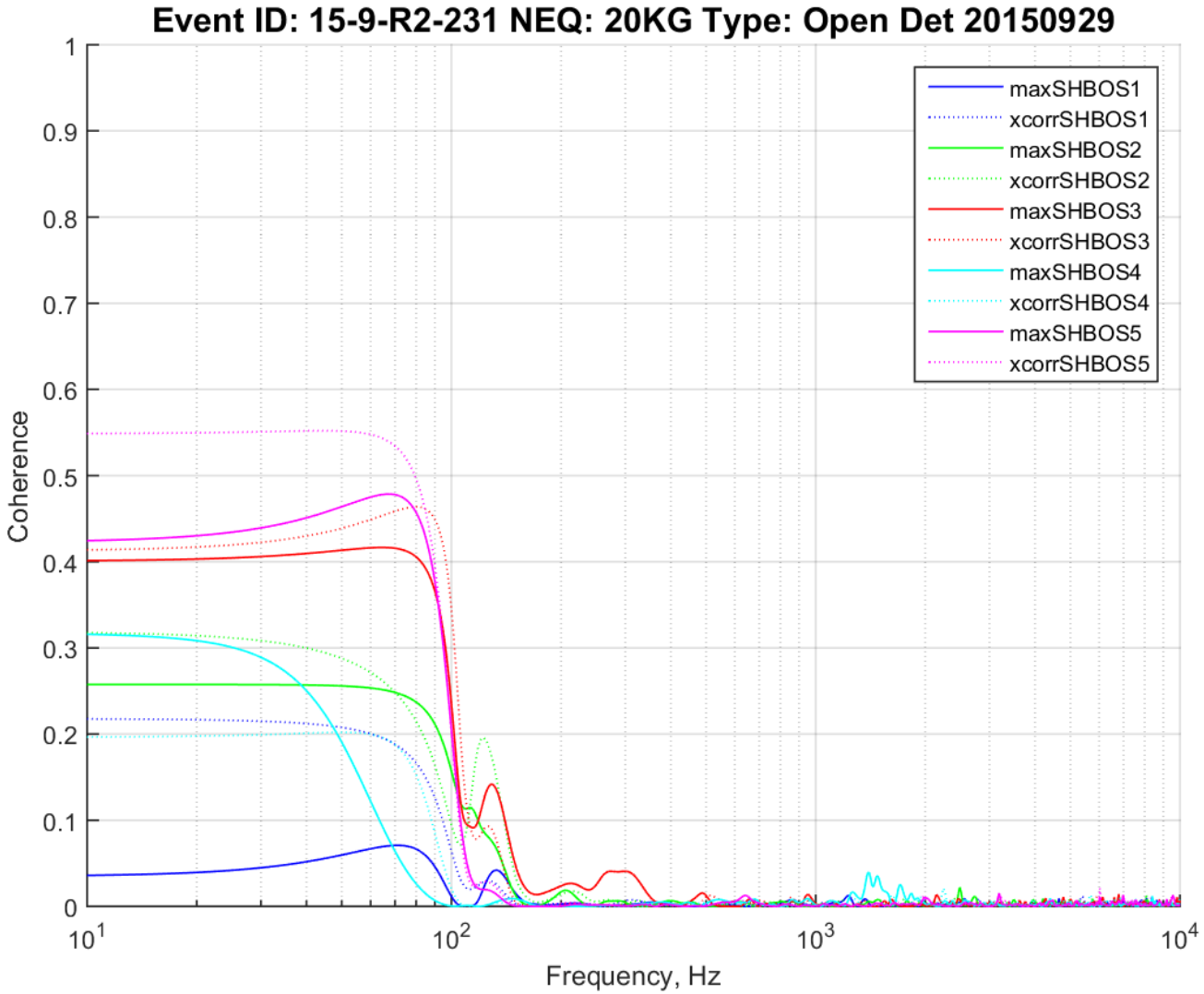


FIGURE 2.1303: COHERENCE SHB_OS 1 - 5 15-9-R2-231

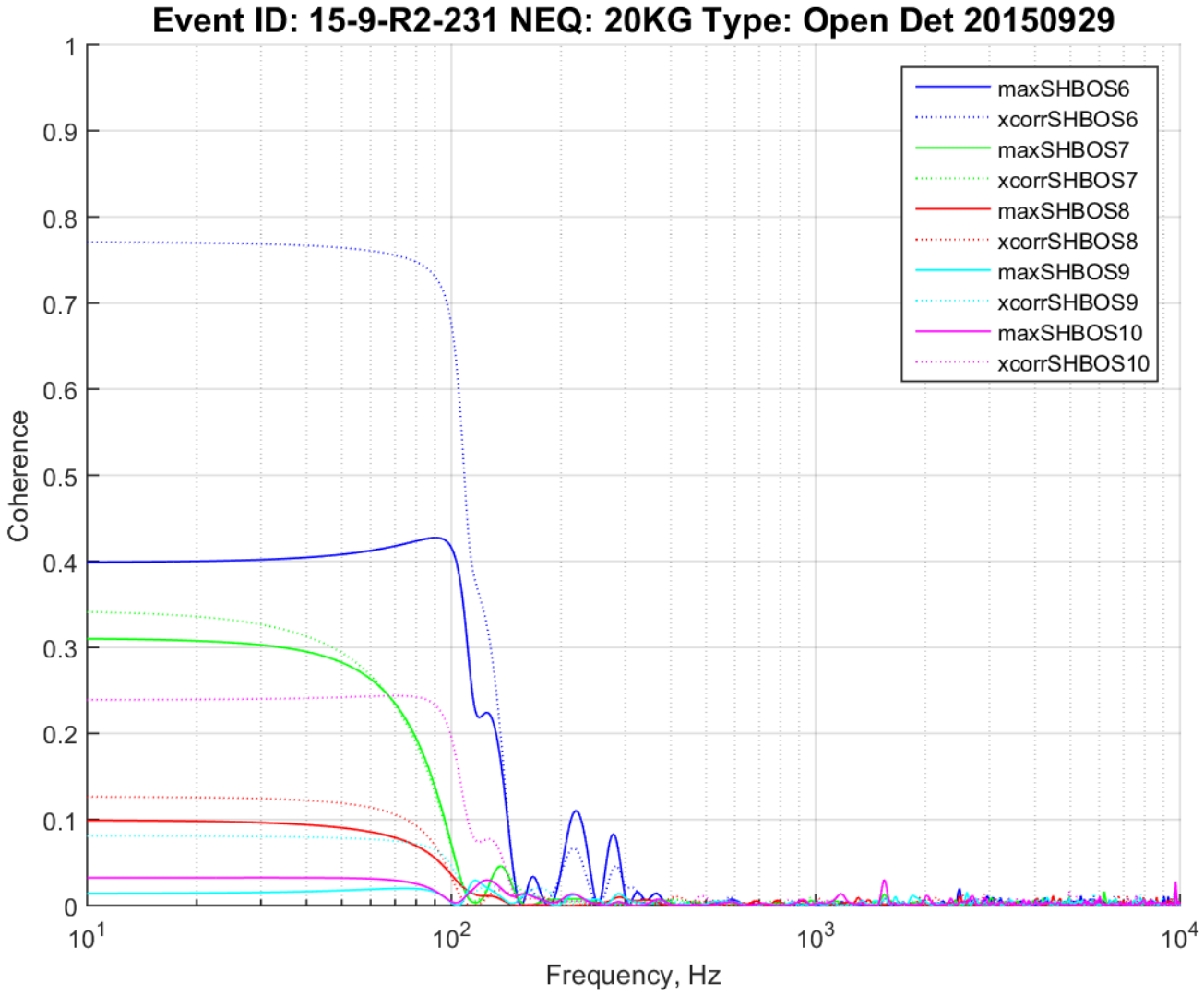


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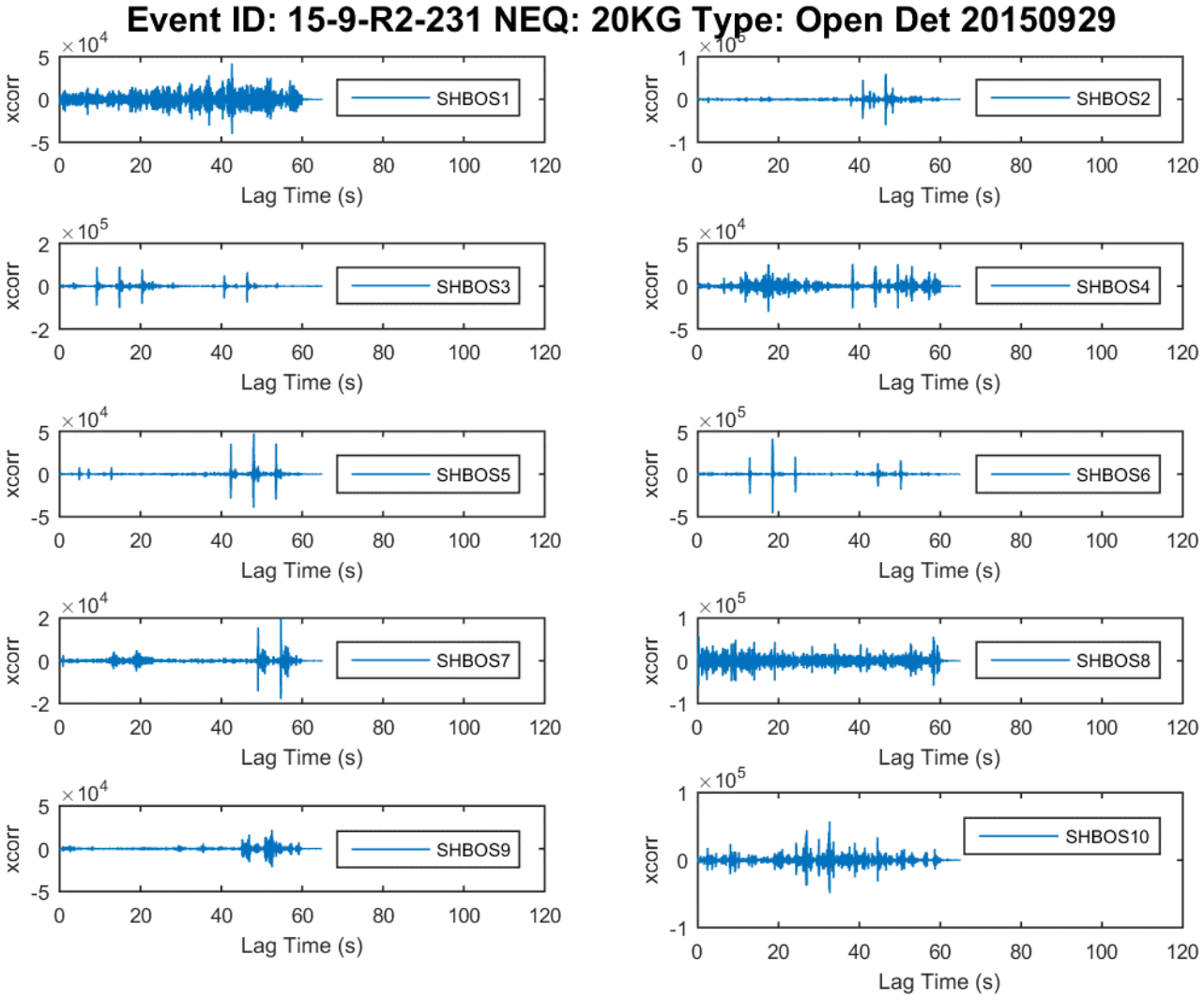


FIGURE 2.1305: CROSS CORRELATION SHB_OS 1 - 10 15-9-R2-231

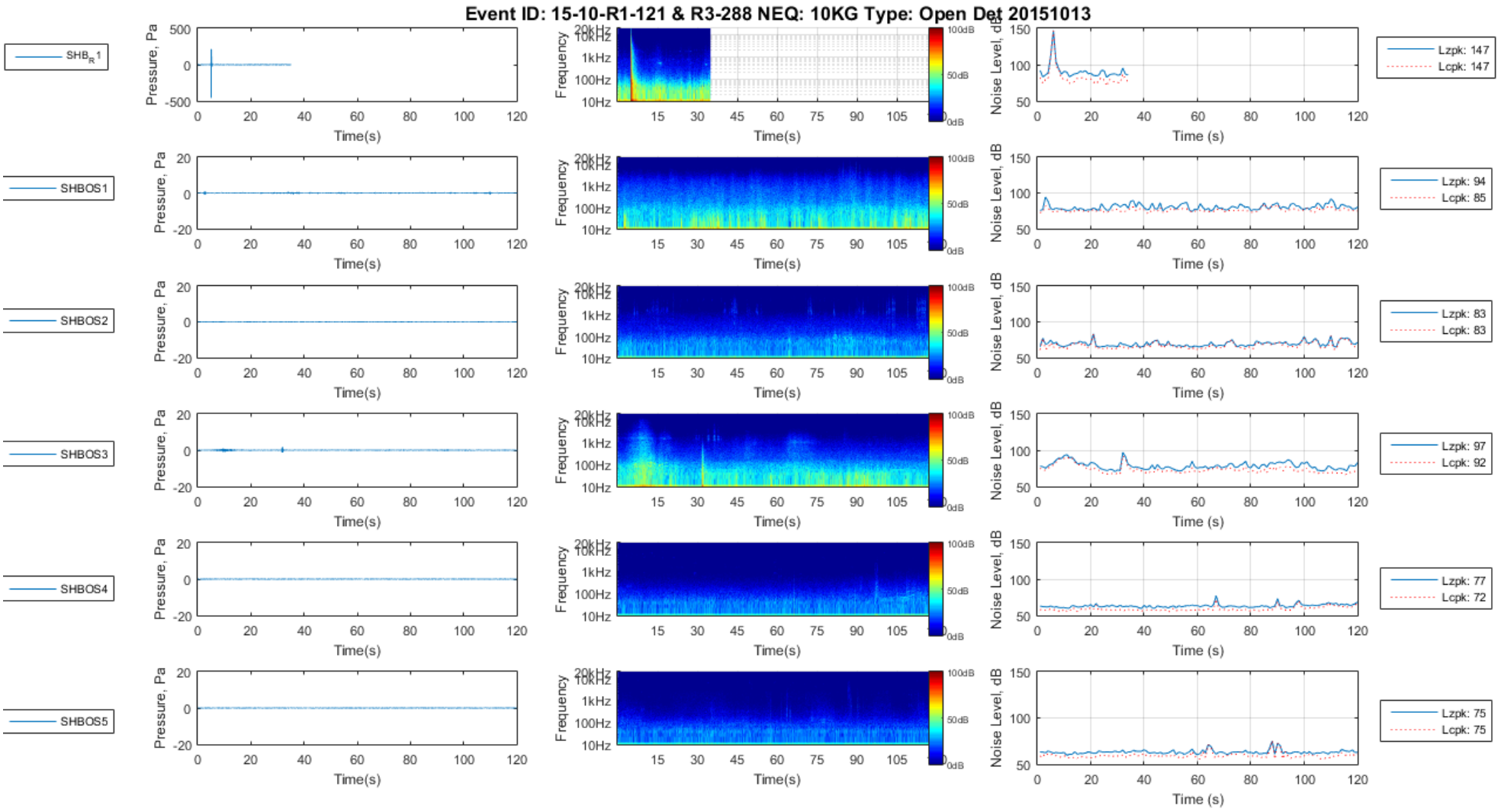


FIGURE 2.1306: SHB_OS 1 - 5 15-10-R1-121 & R3-288

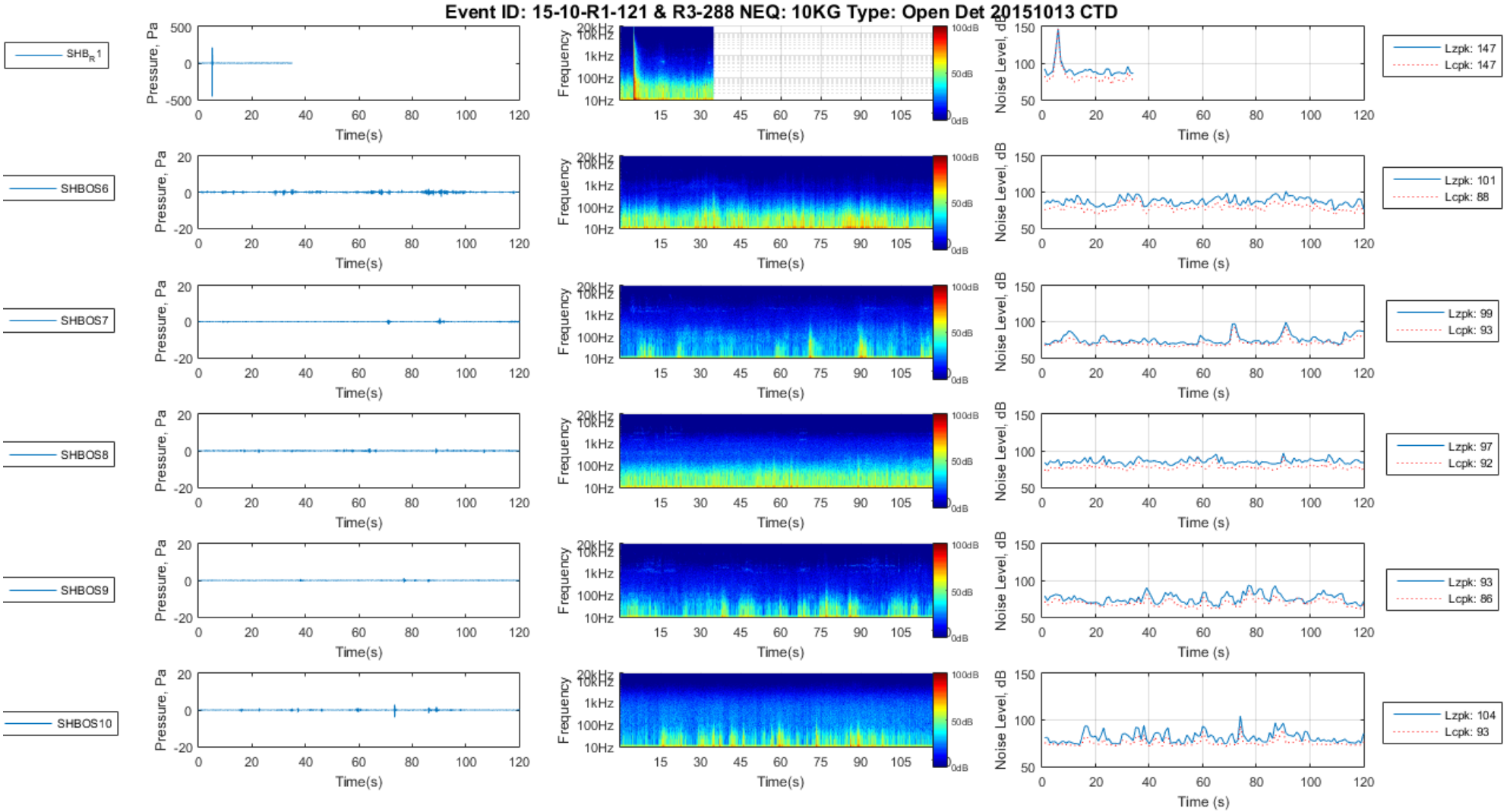


FIGURE 2.1307: SHB_OS 6 - 10 15-10-R1-121 & R3-288

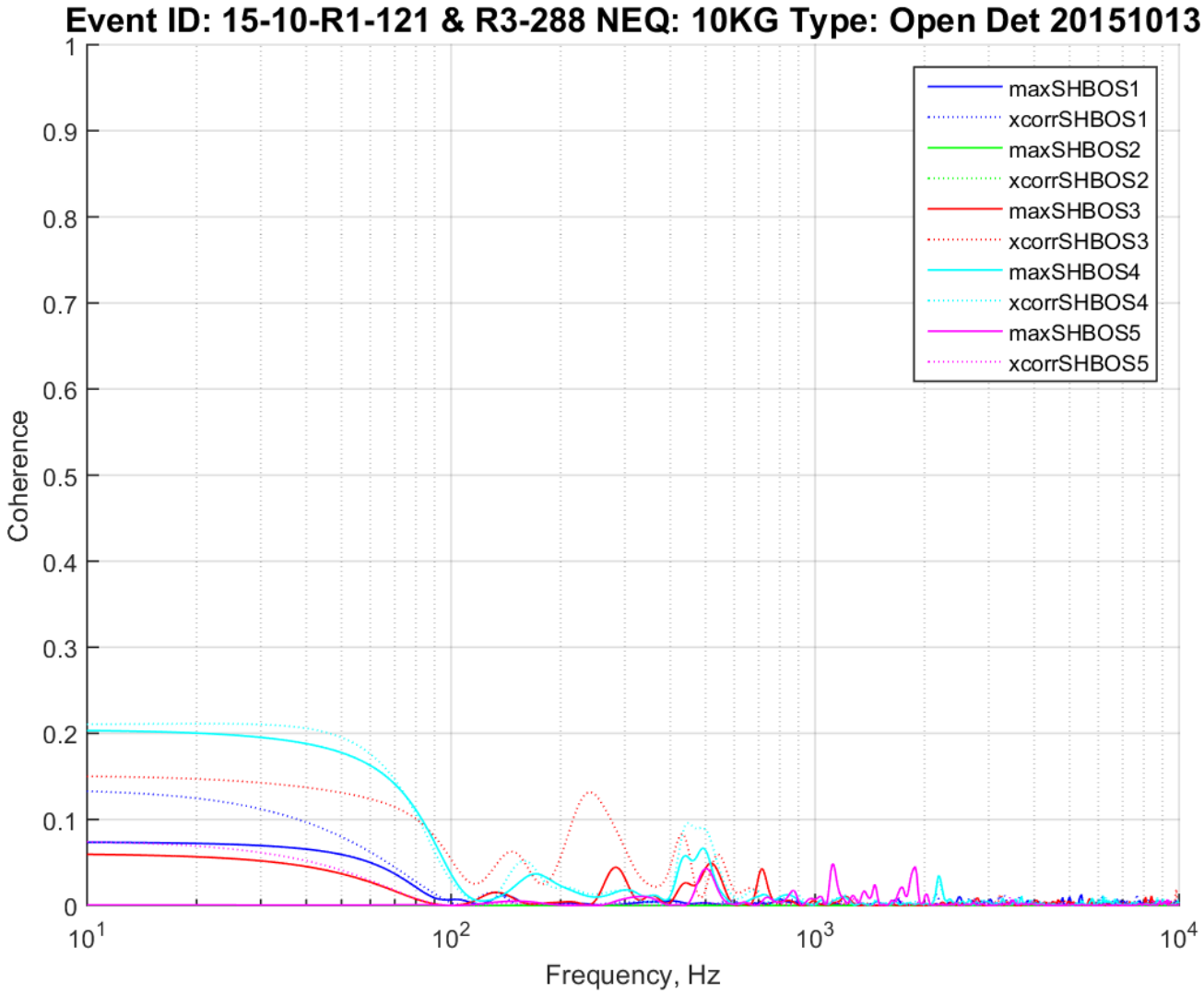


FIGURE 2.1308: COHERENCE SHB_OS 1 - 5 15-10-R1-121 & R3-288

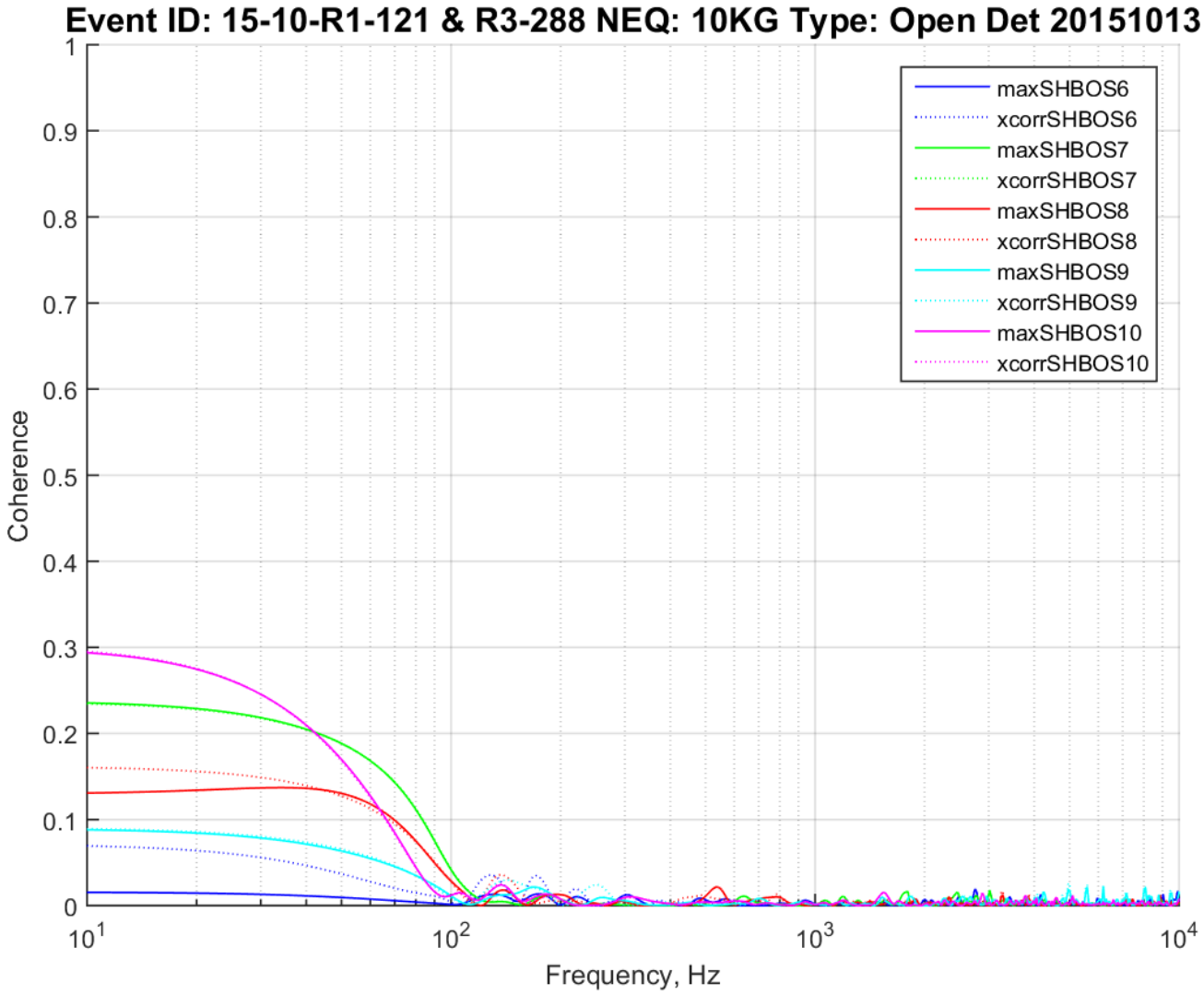


FIGURE 2.1309: COHERENCE SHB_OS 6 - 10 15-10-R1-121 & R3-288CTD

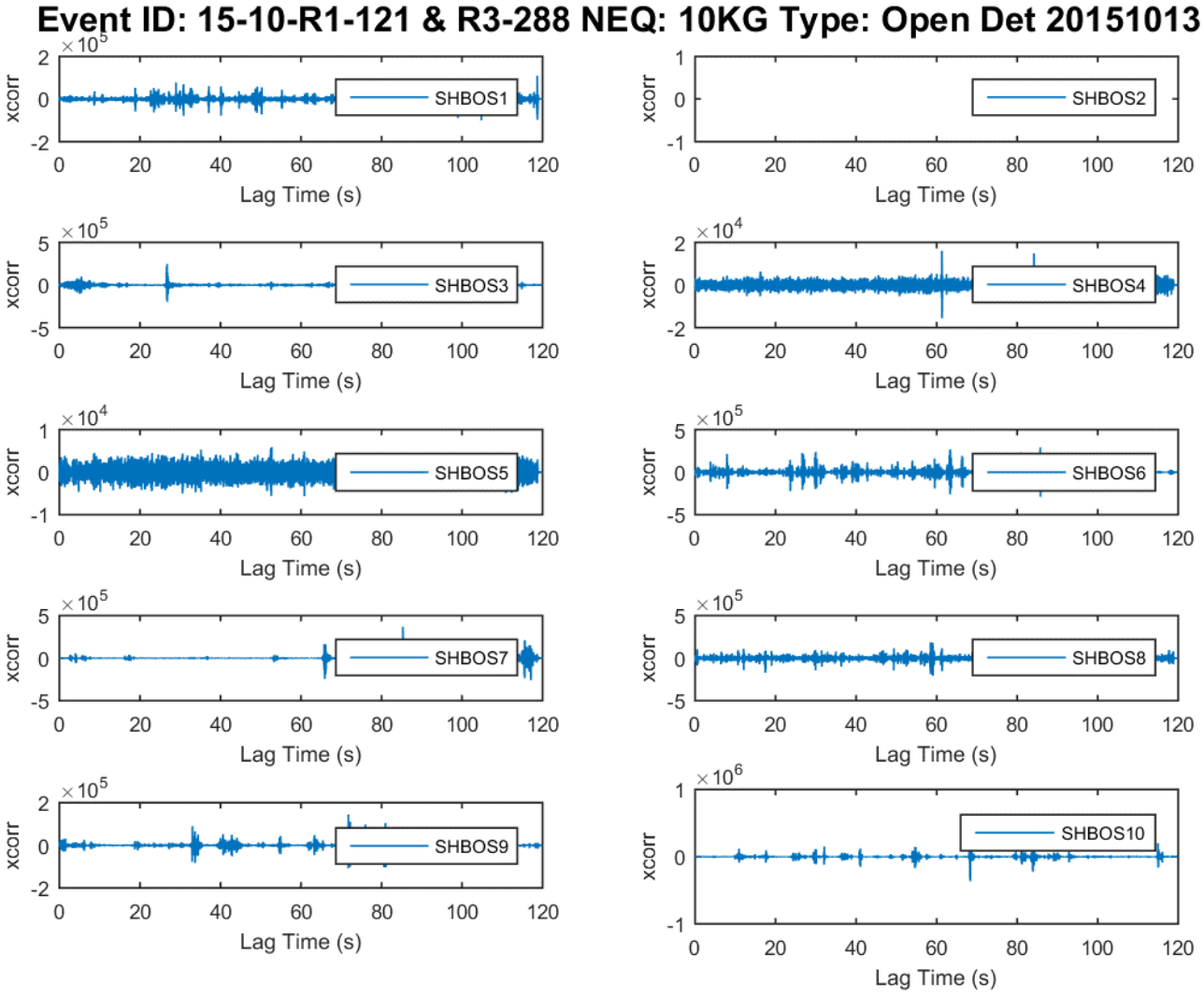


FIGURE 2.1310: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-121 & R3-288

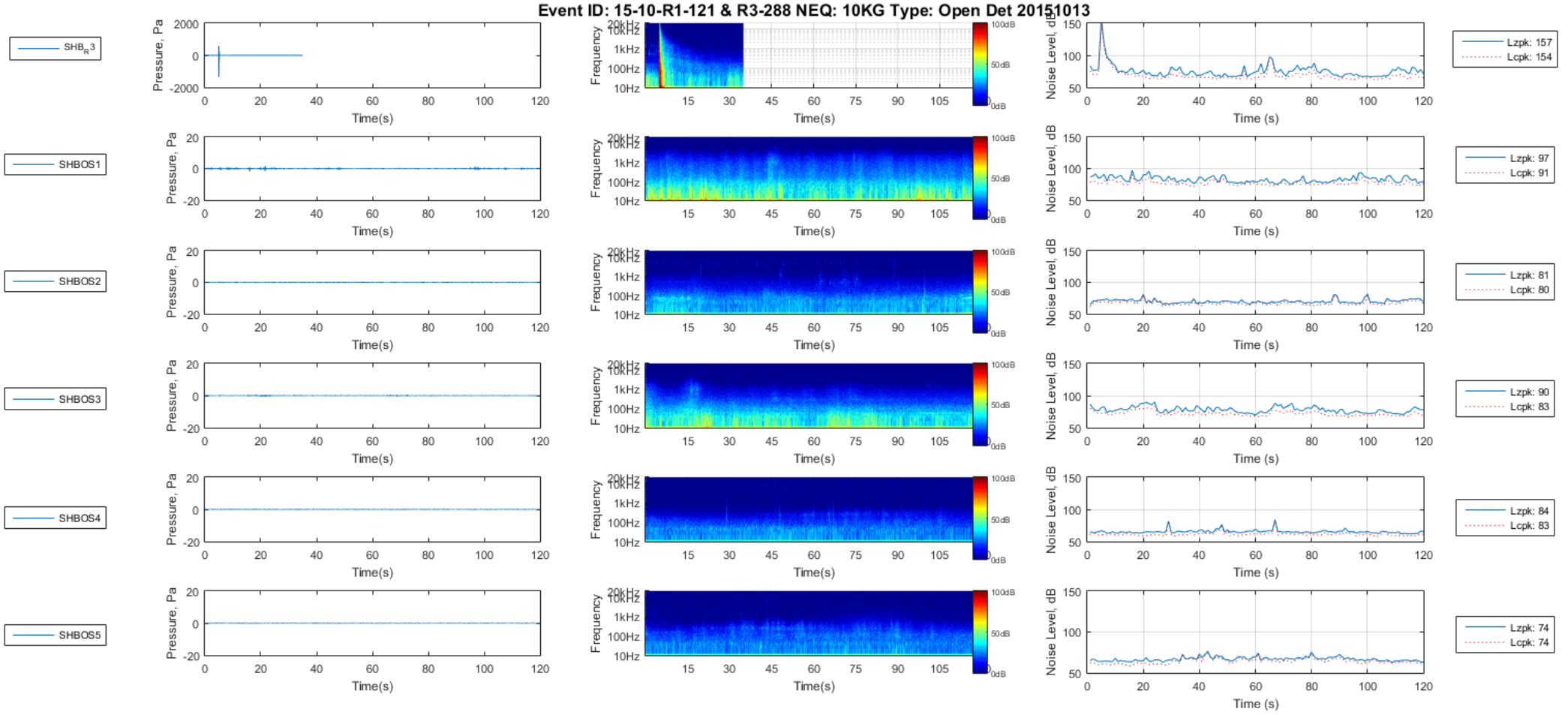


FIGURE 2.1311: SHB_OS 1 - 5 15-10-R1-121 & R3-288

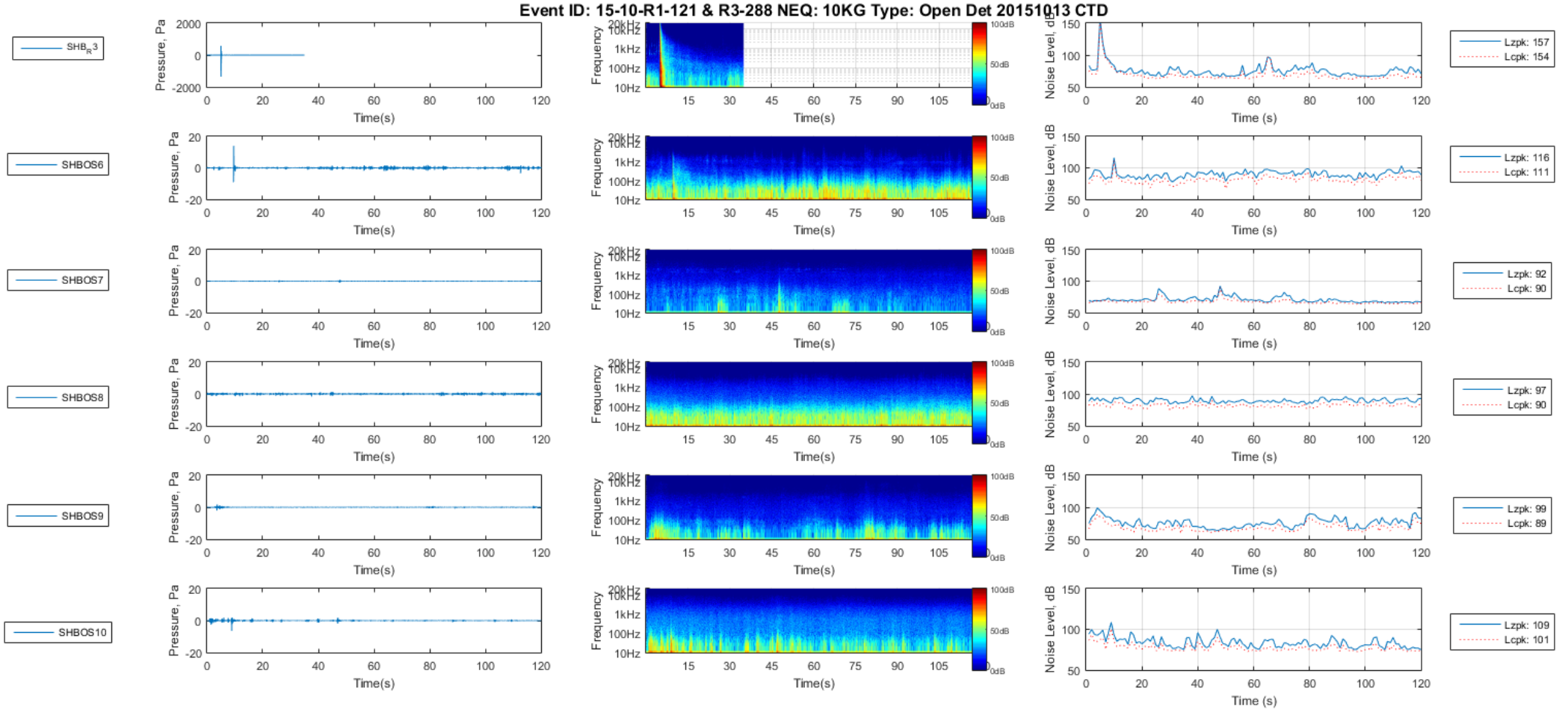


FIGURE 2.1312: SHB_OS 6 - 10 15-10-R1-121 & R3-288

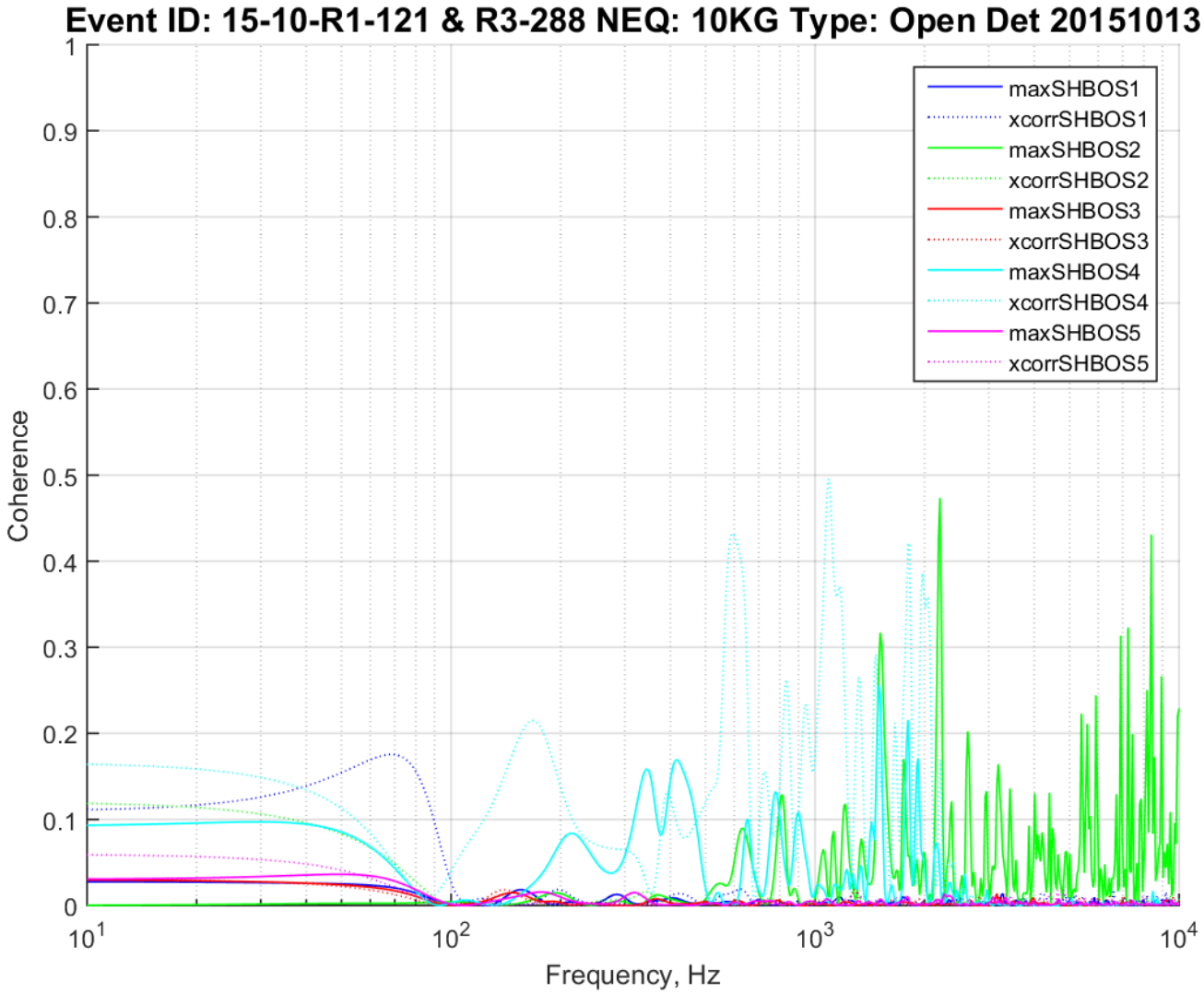


FIGURE 2.1313: COHERENCE SHB_OS 1 - 5 15-10-R1-121 & R3-288

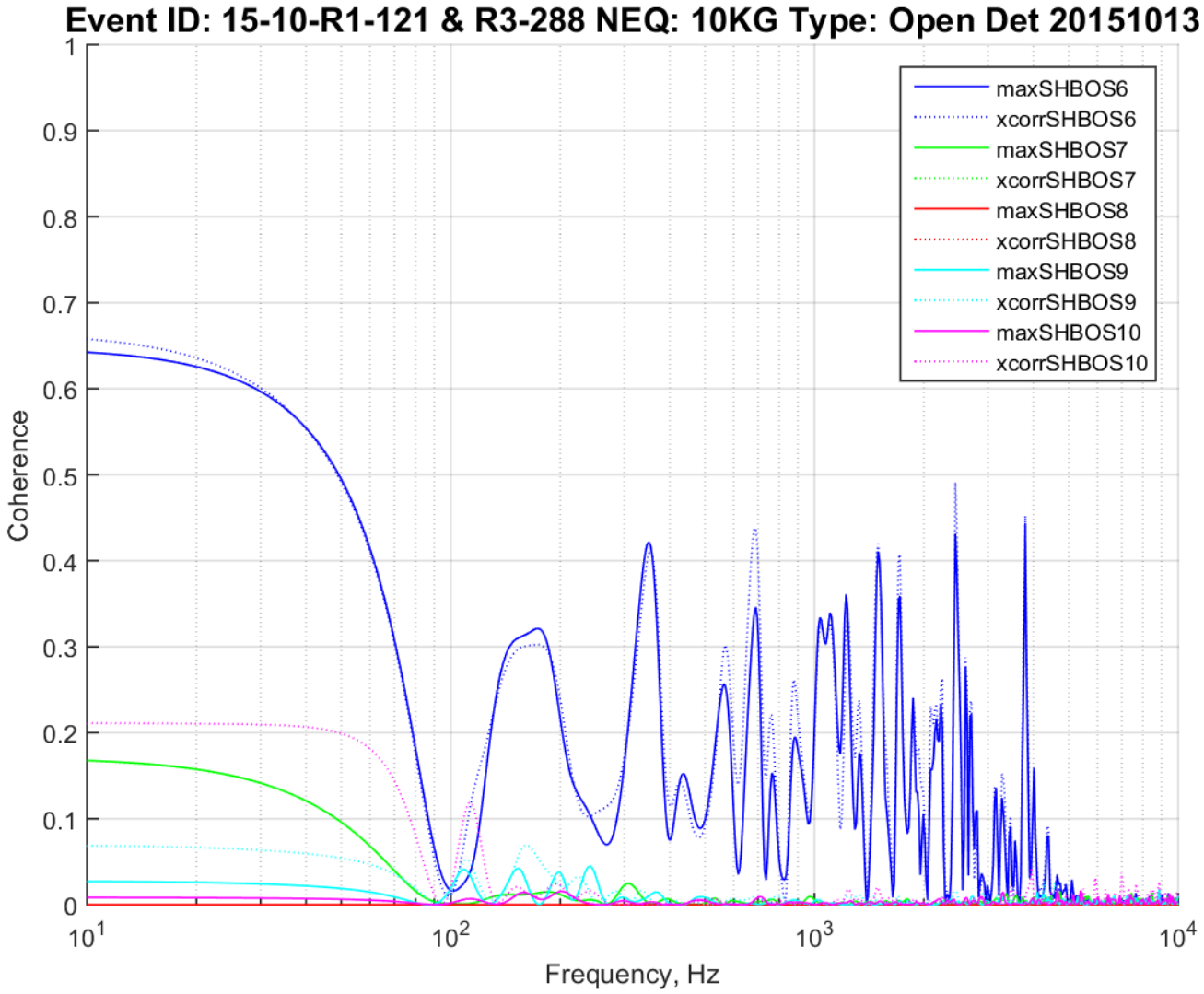


FIGURE 2.1314: COHERENCE SHB_OS 6 - 10 15-10-R1-121 & R3-288CTD

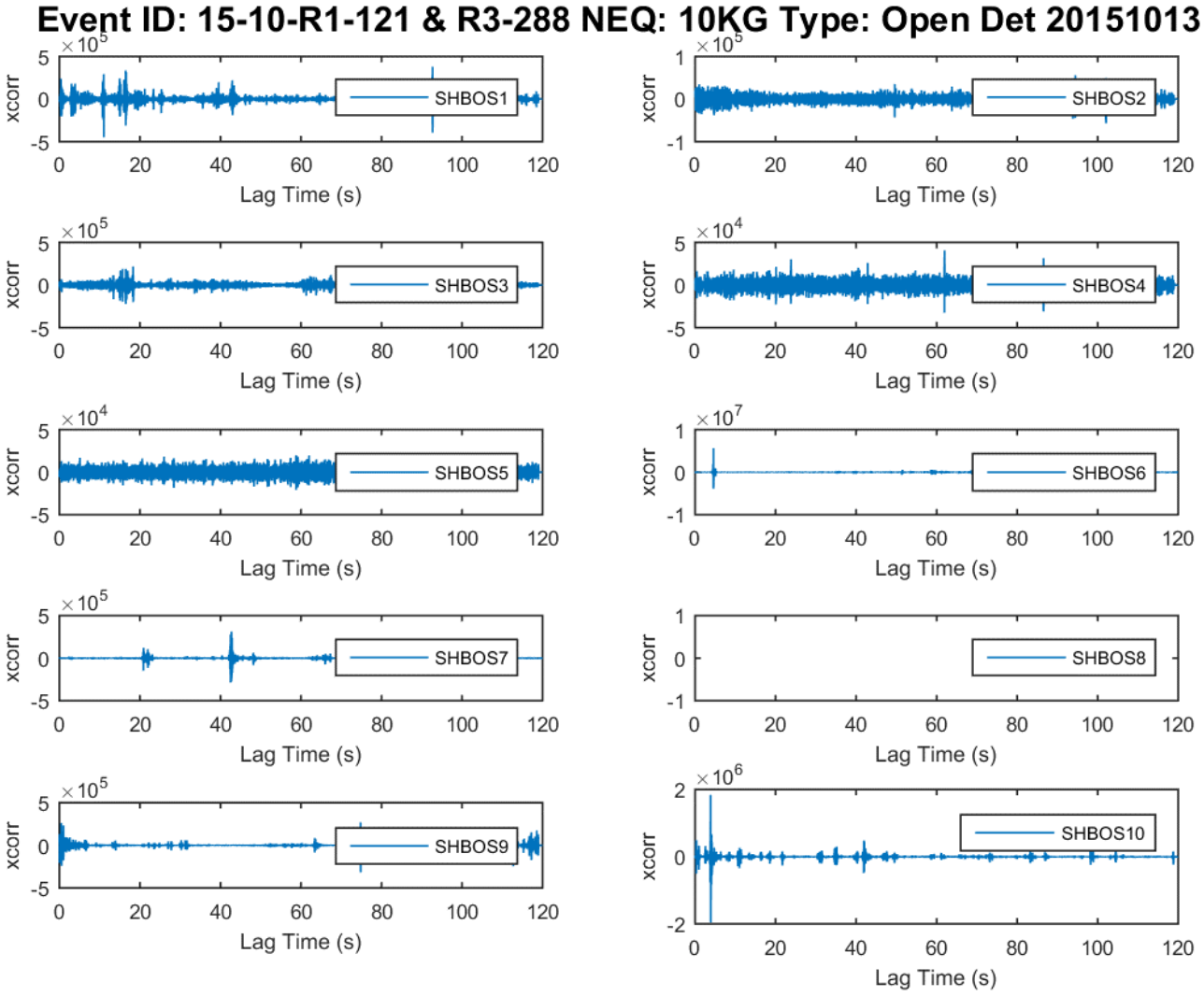


FIGURE 2.1315: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-121 & R3-288

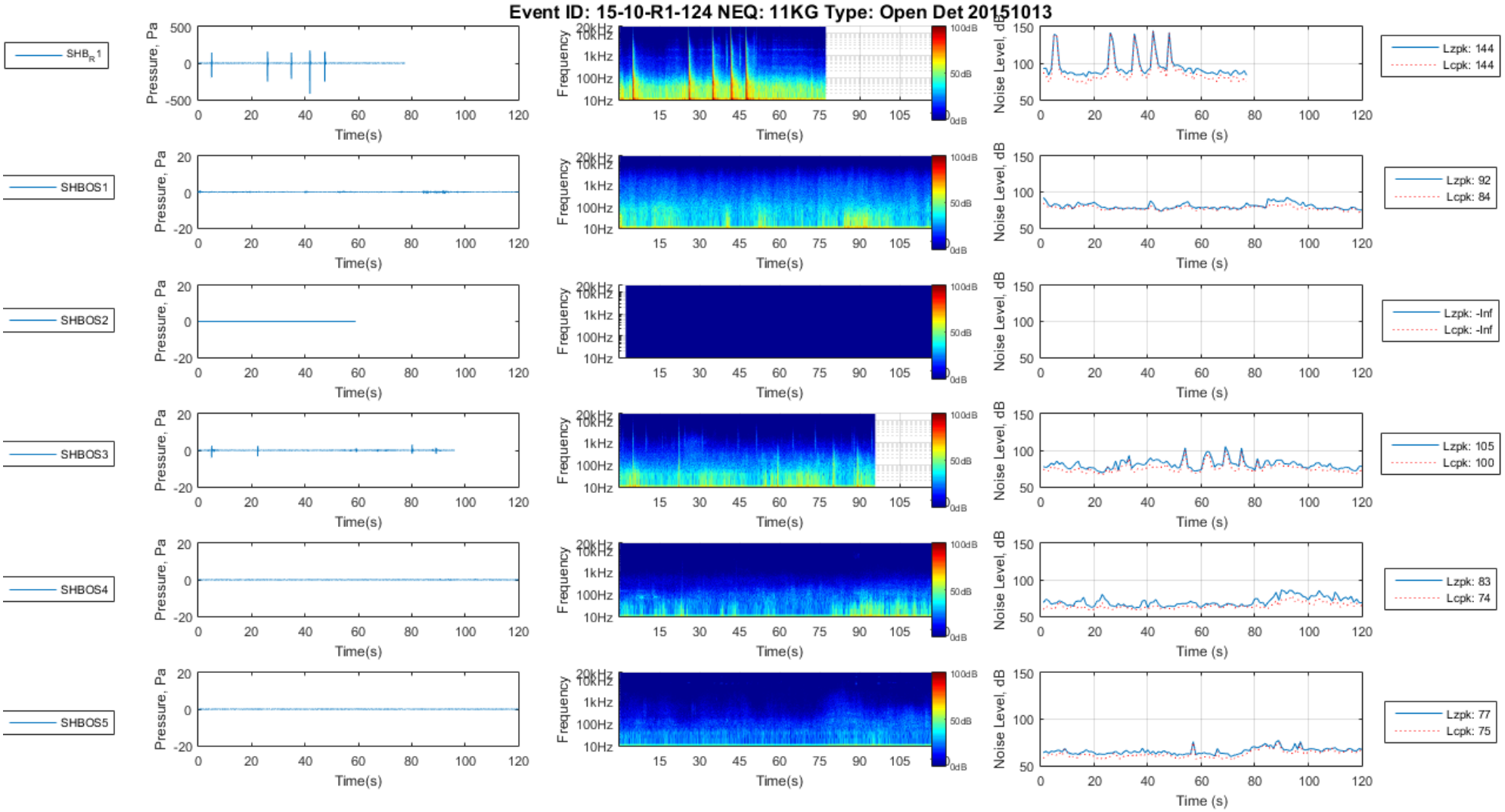


FIGURE 2.1316: SHB_OS 1 - 5 15-10-R1-124

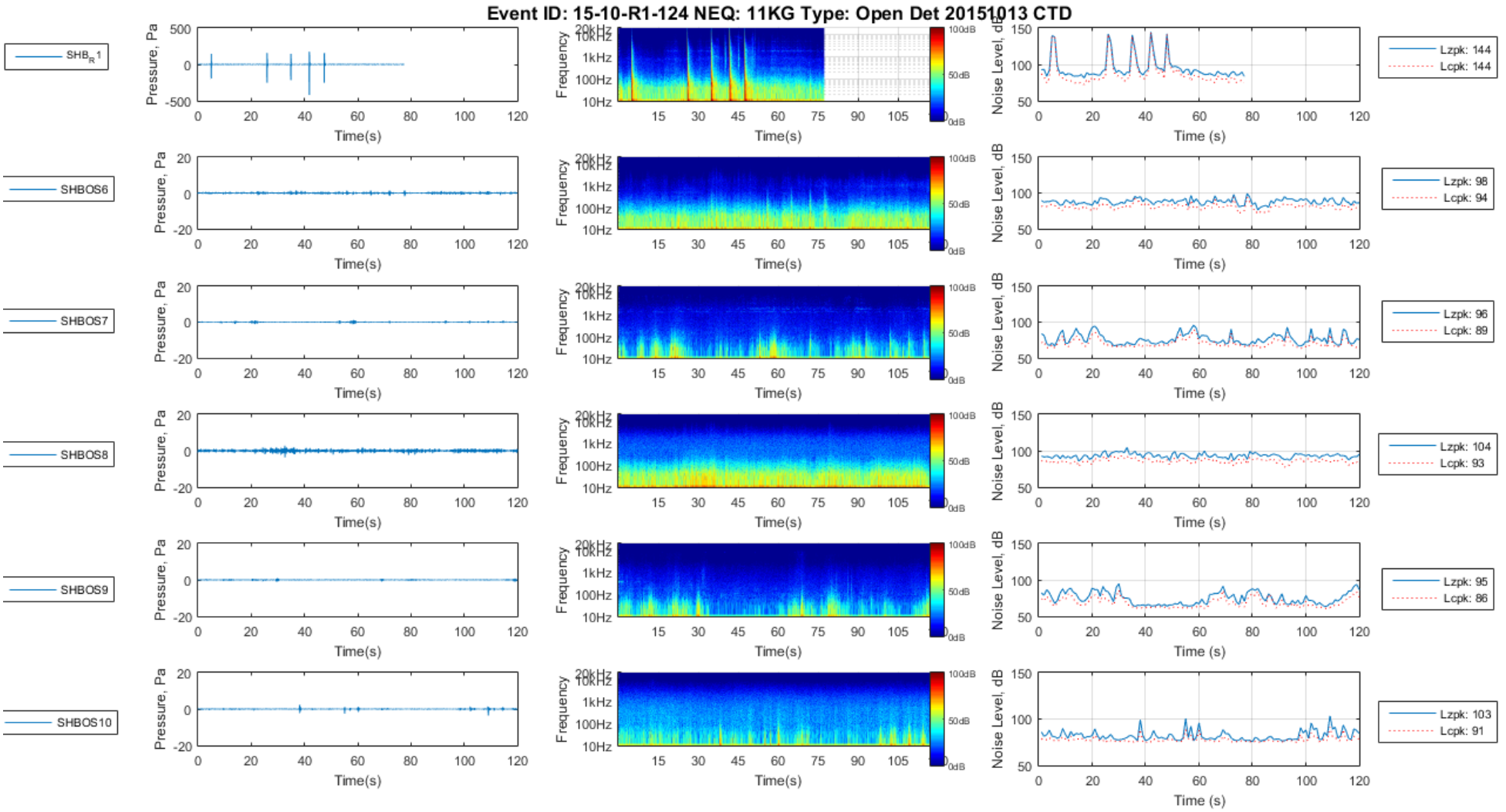


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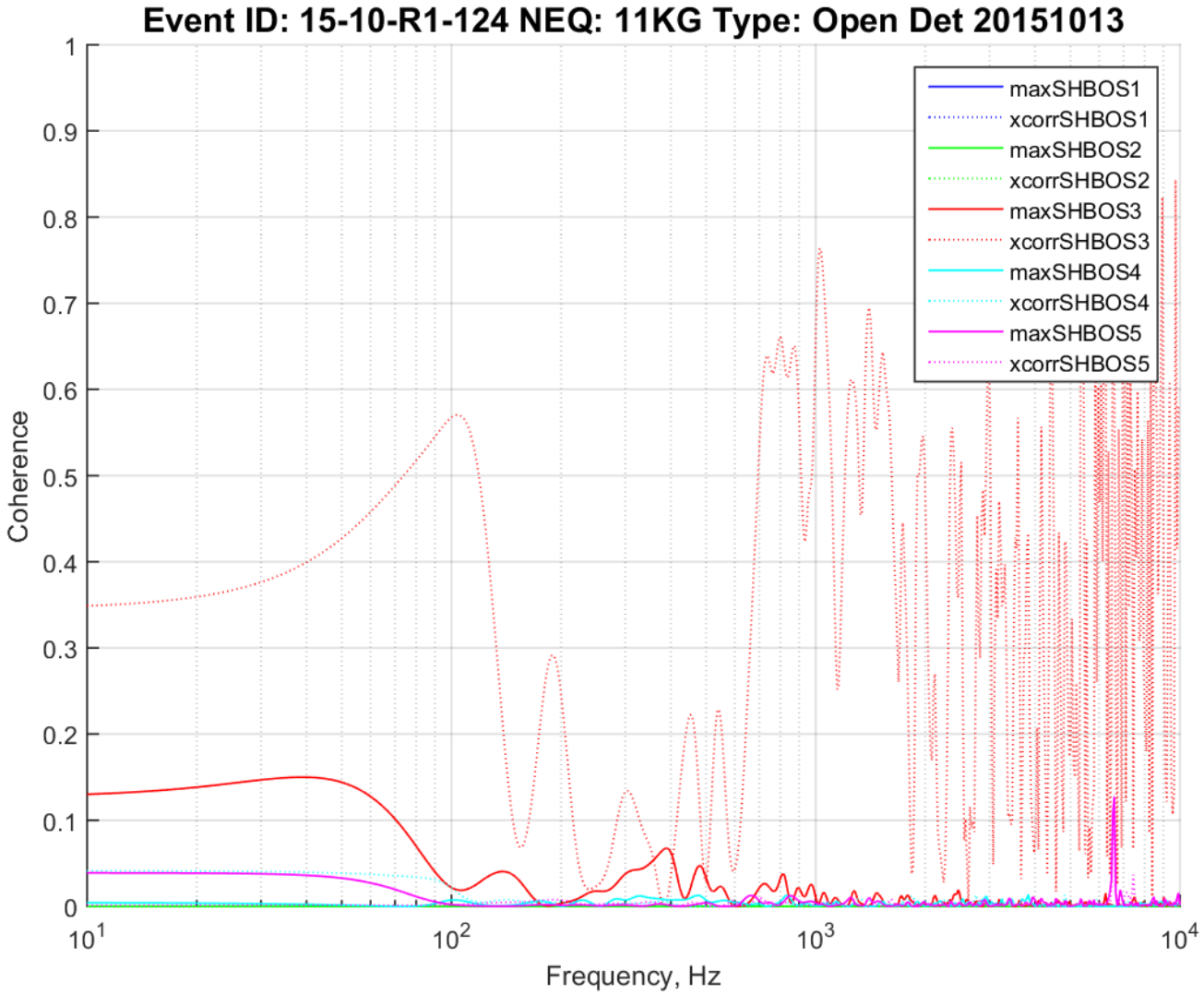


FIGURE 2.1318: COHERENCE SHB_OS 1 - 5 15-10-R1-124

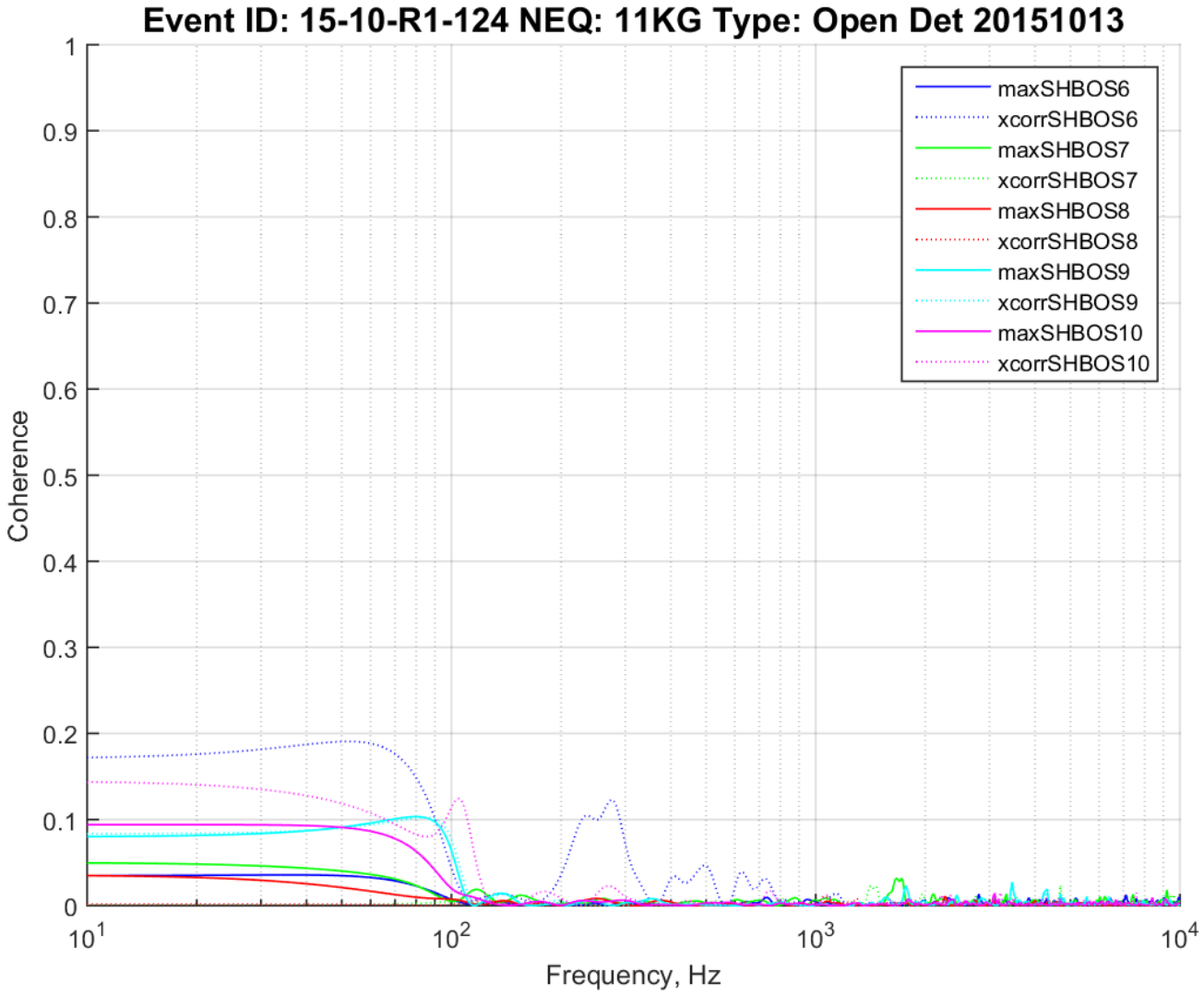


FIGURE 2.1319: COHERENCE SHB_OS 6 - 10 15-10-R1-124CTD

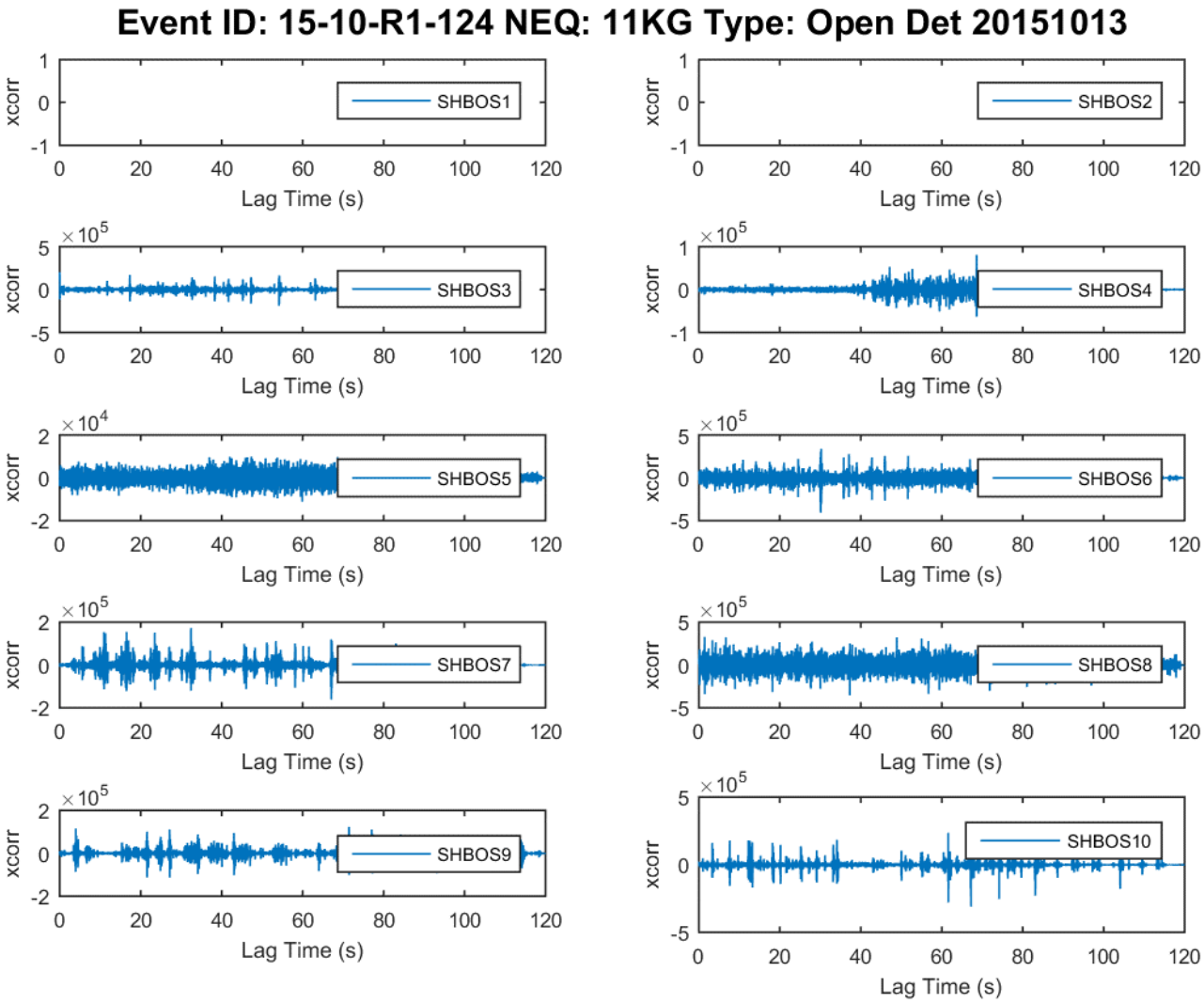


FIGURE 2.1320: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-124

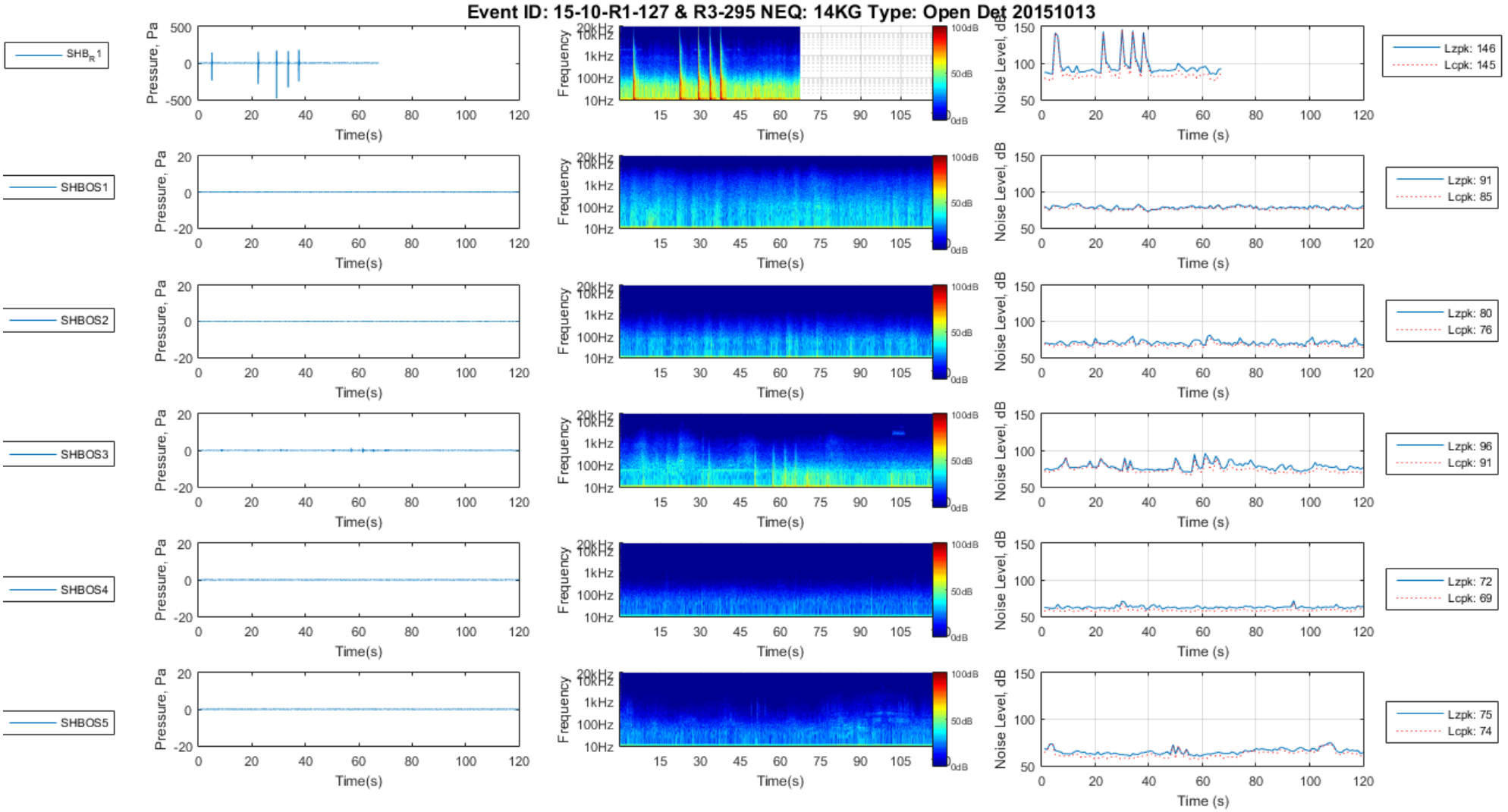


FIGURE 2.1321: SHB_OS 1 - 5 15-10-R1-127 & R3-295

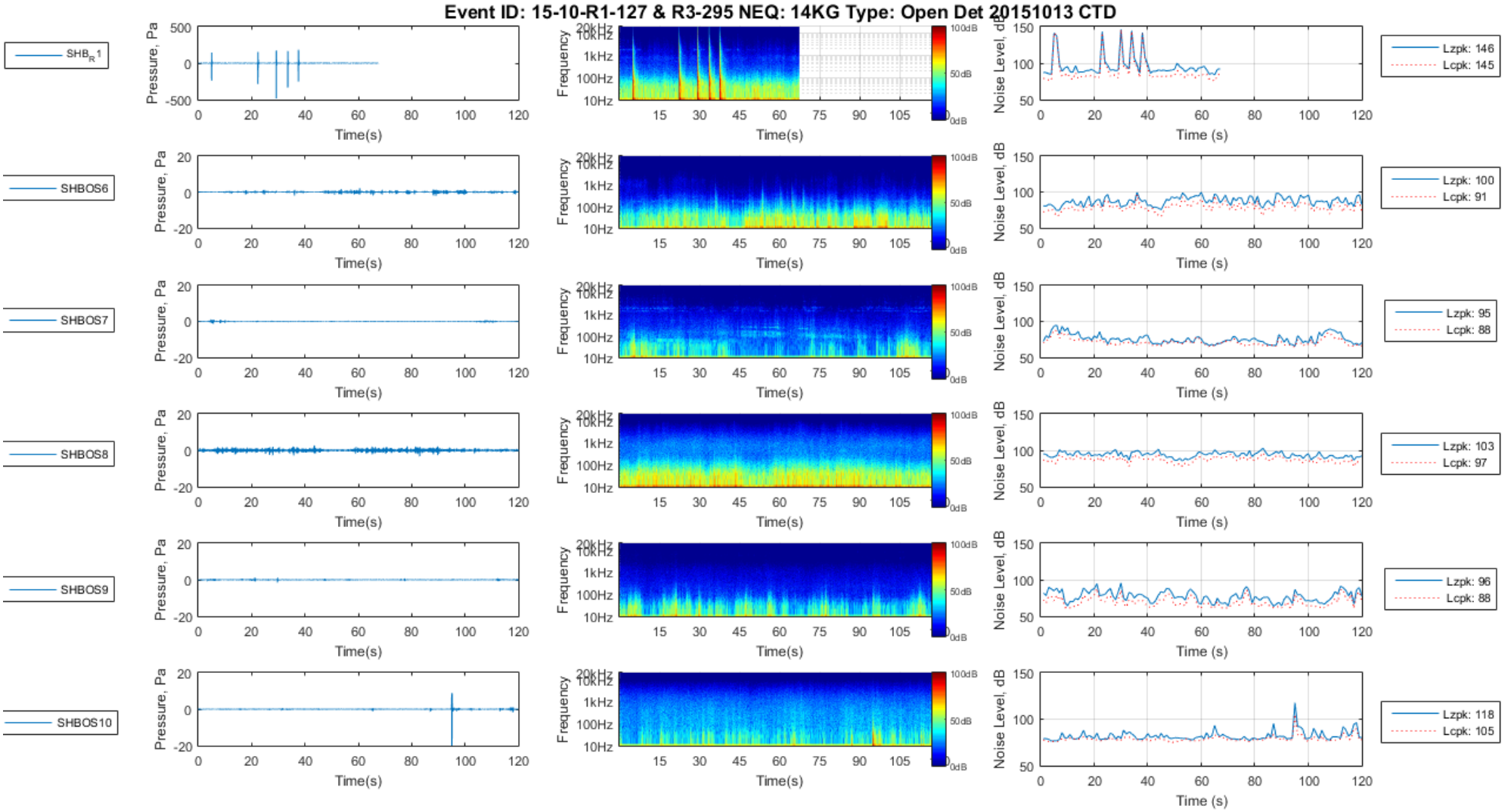


FIGURE 2.1322: SHB_OS 6 - 10 15-10-R1-127 & R3-295

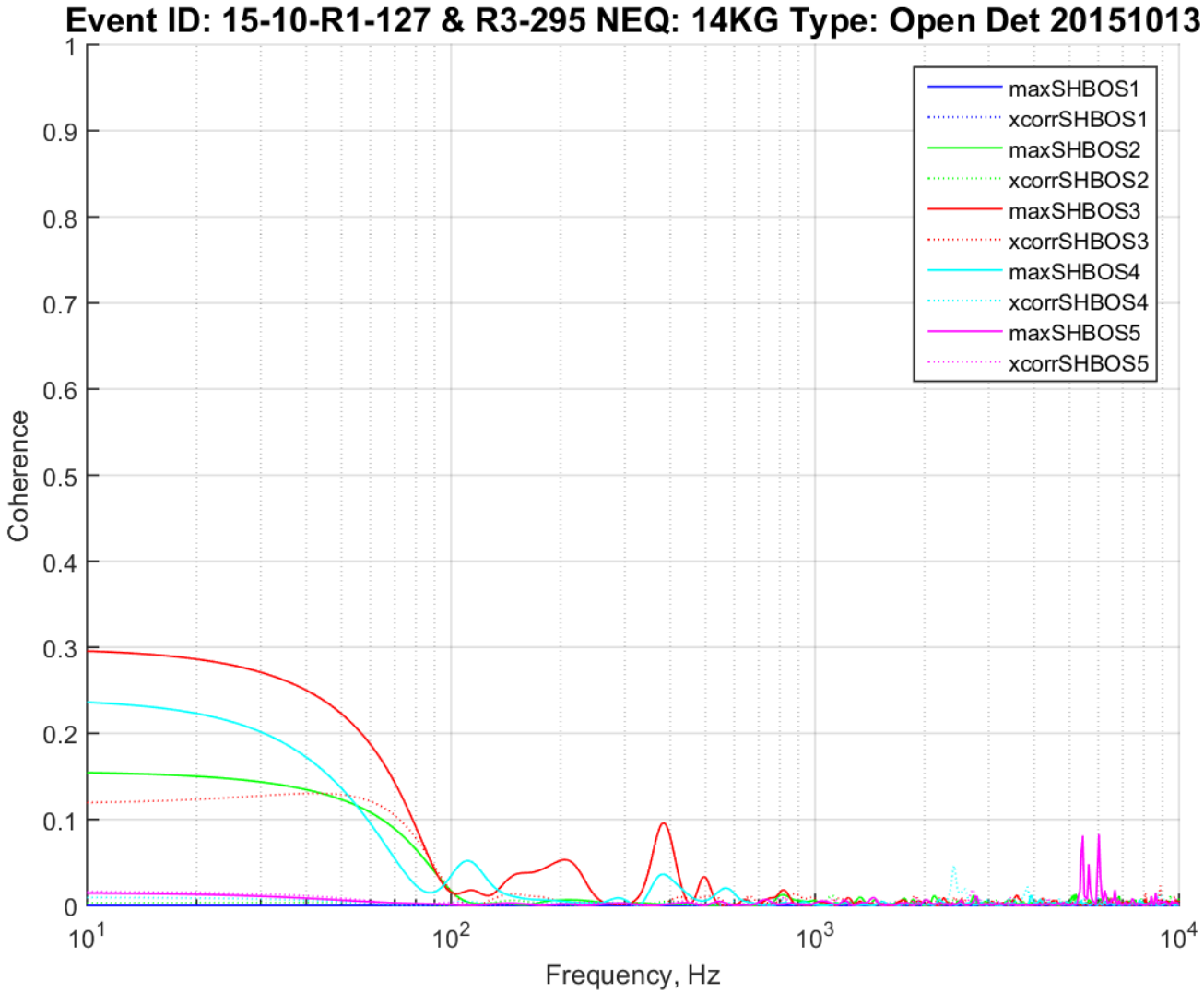


FIGURE 2.1323: COHERENCE SHB_OS 1 - 5 15-10-R1-127 & R3-295

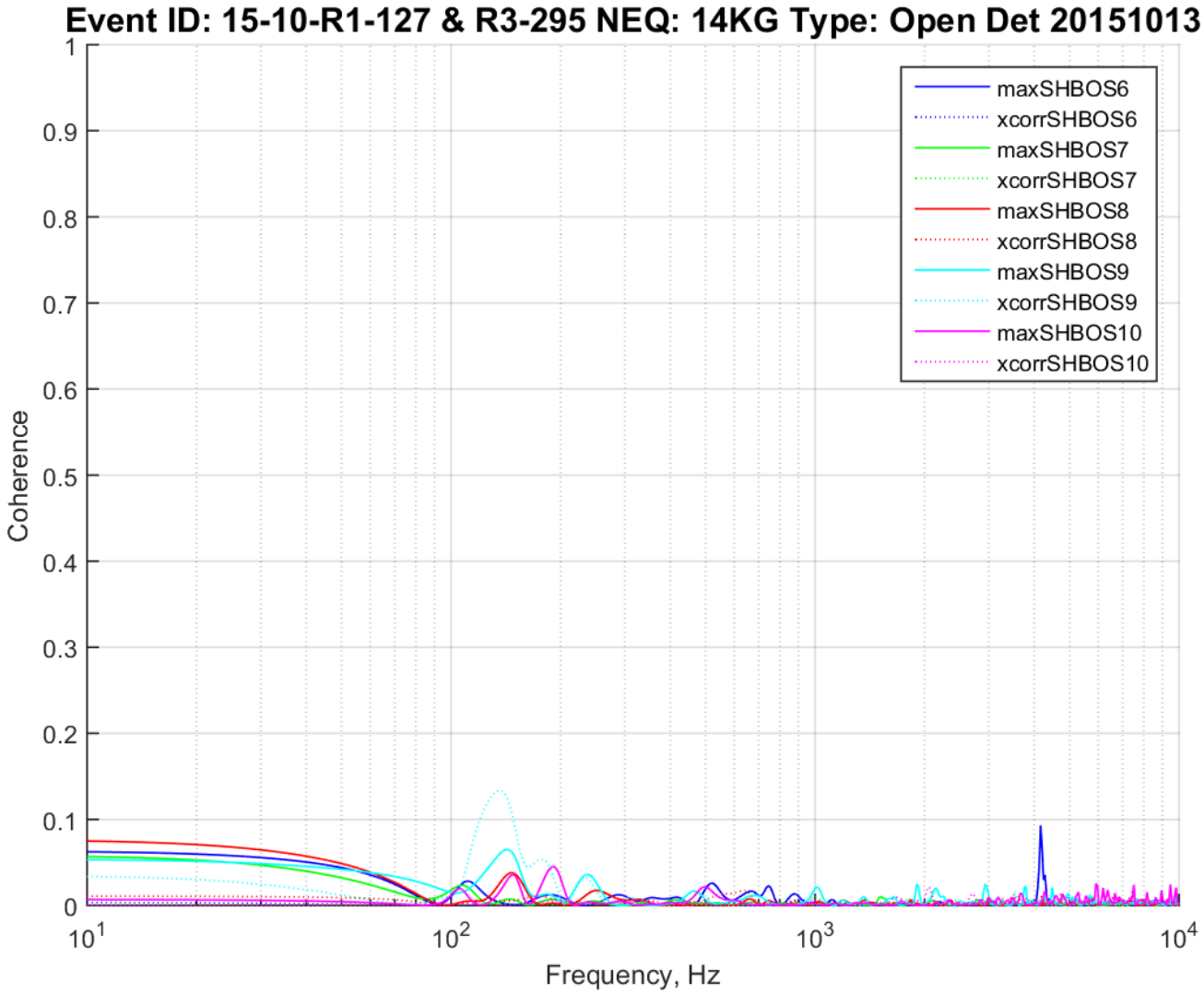


FIGURE 2.1324: COHERENCE SHB_OS 6 - 10 15-10-R1-127 & R3-295CTD

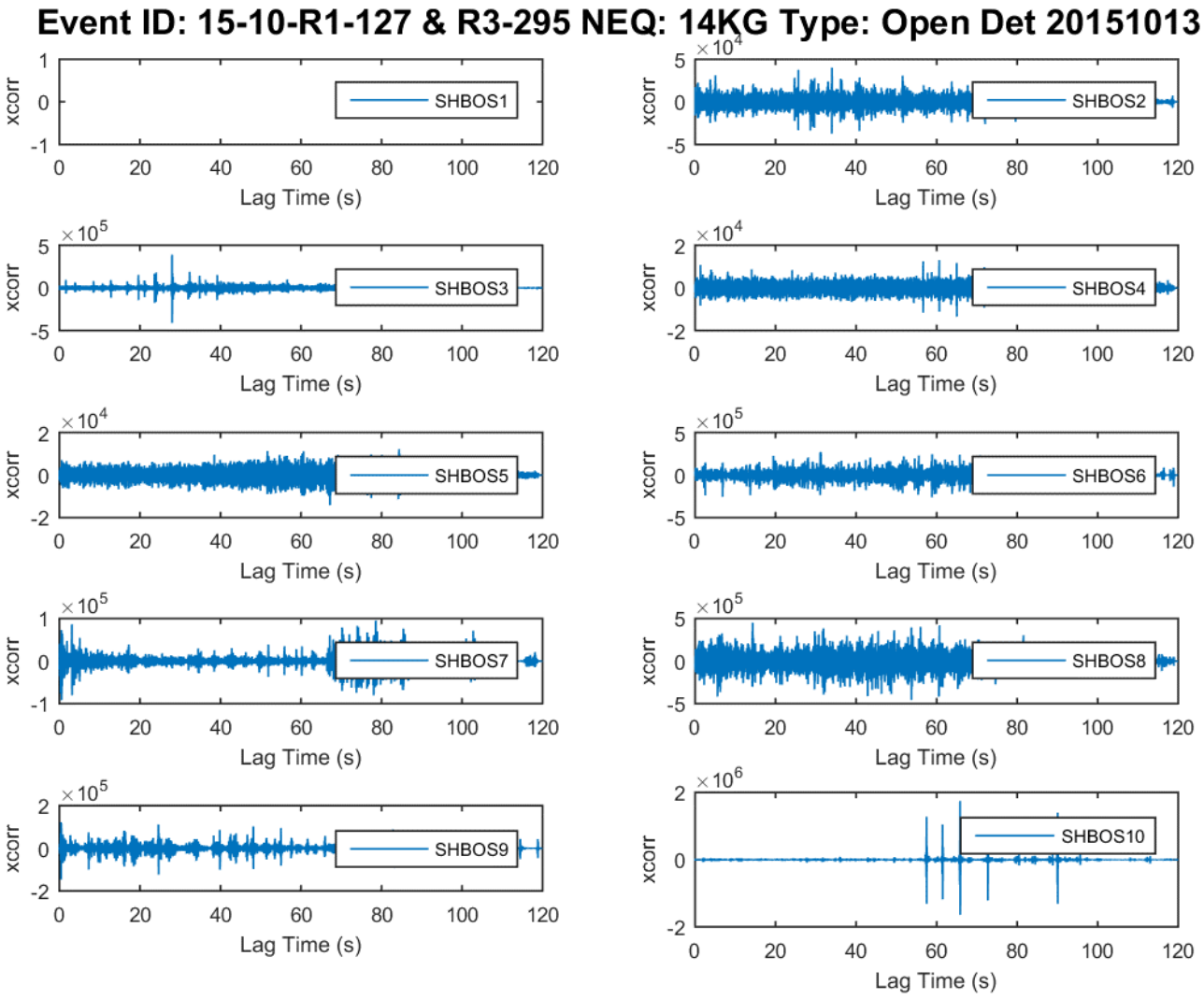


FIGURE 2.1325: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-127 & R3-295

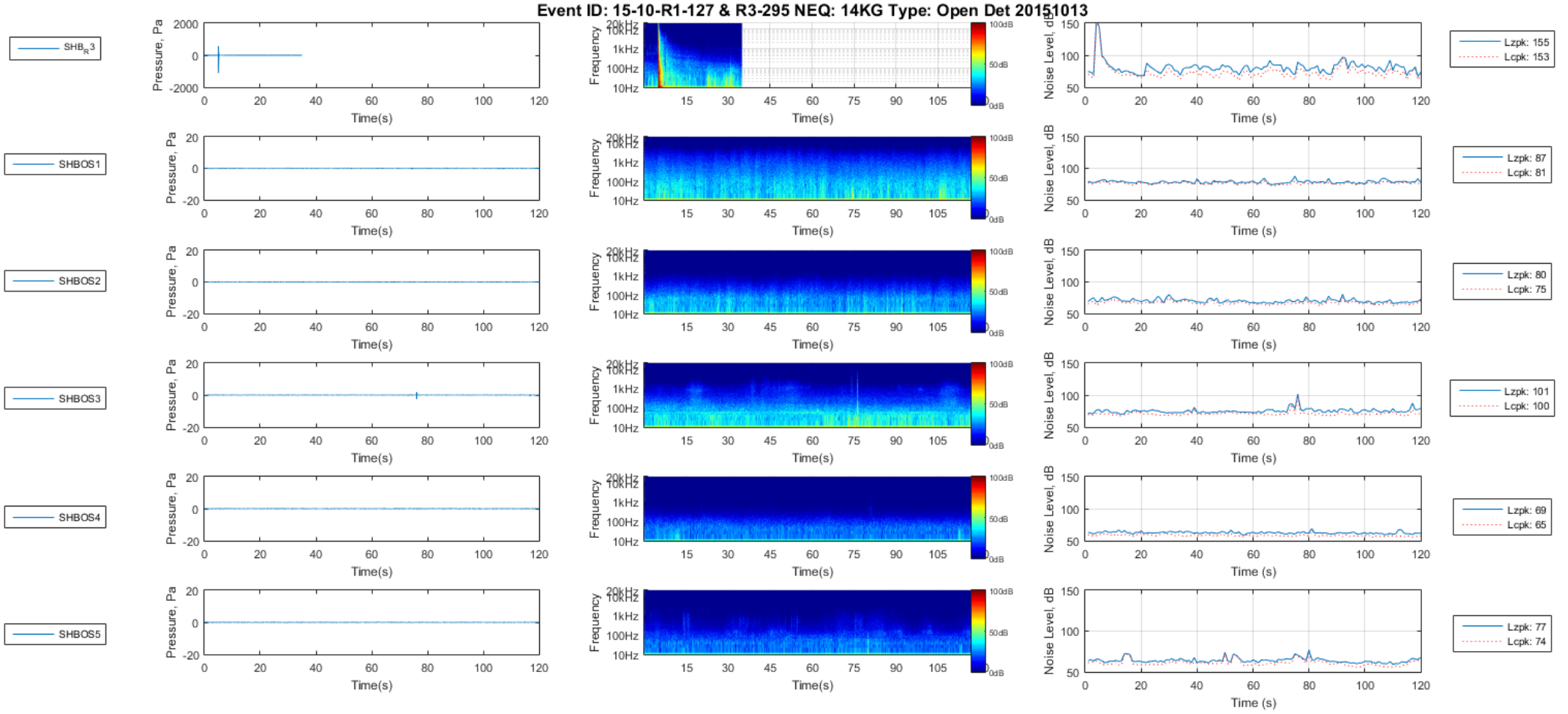


FIGURE 2.1326: SHB_OS 1 - 5 15-10-R1-127 & R3-295

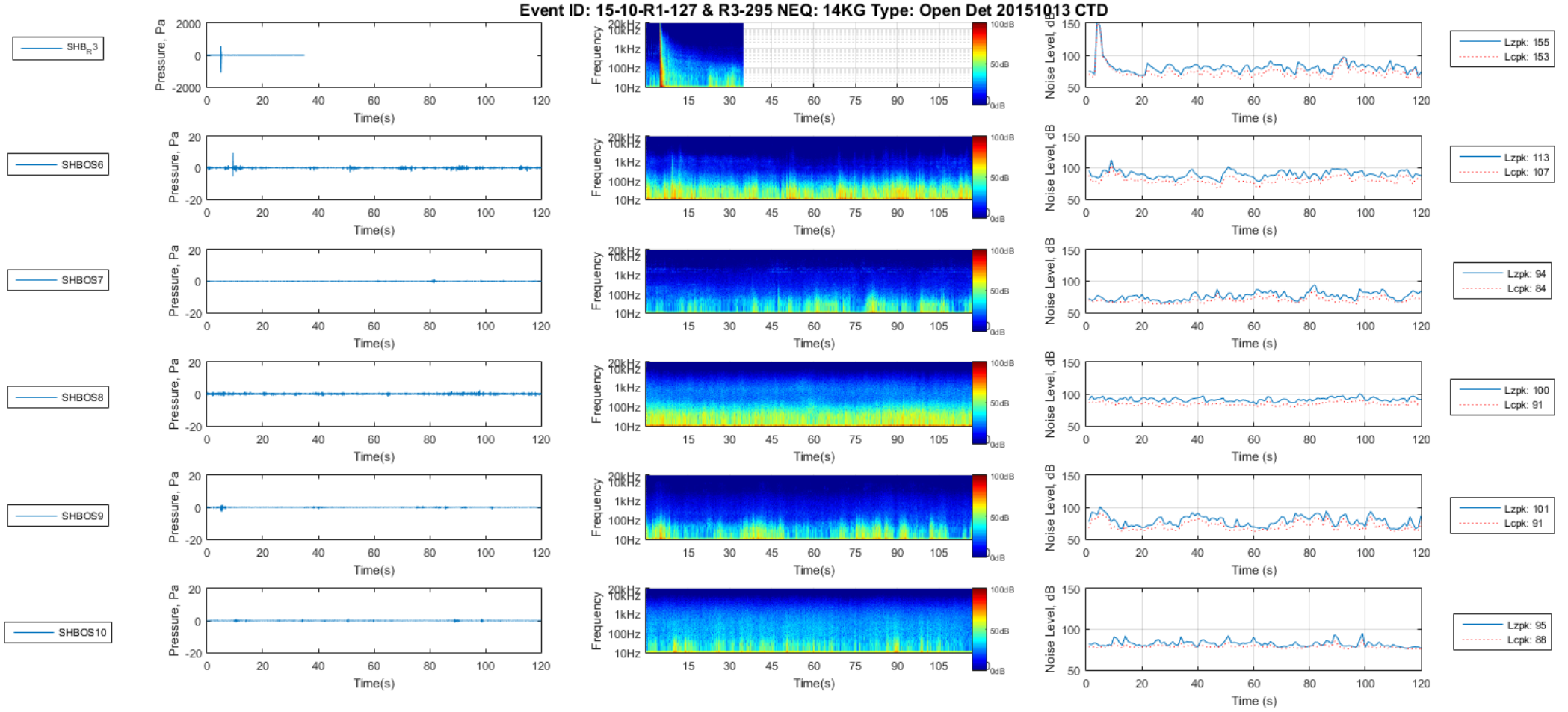


FIGURE 2.1327: SHB_OS 6 - 10 15-10-R1-127 & R3-295

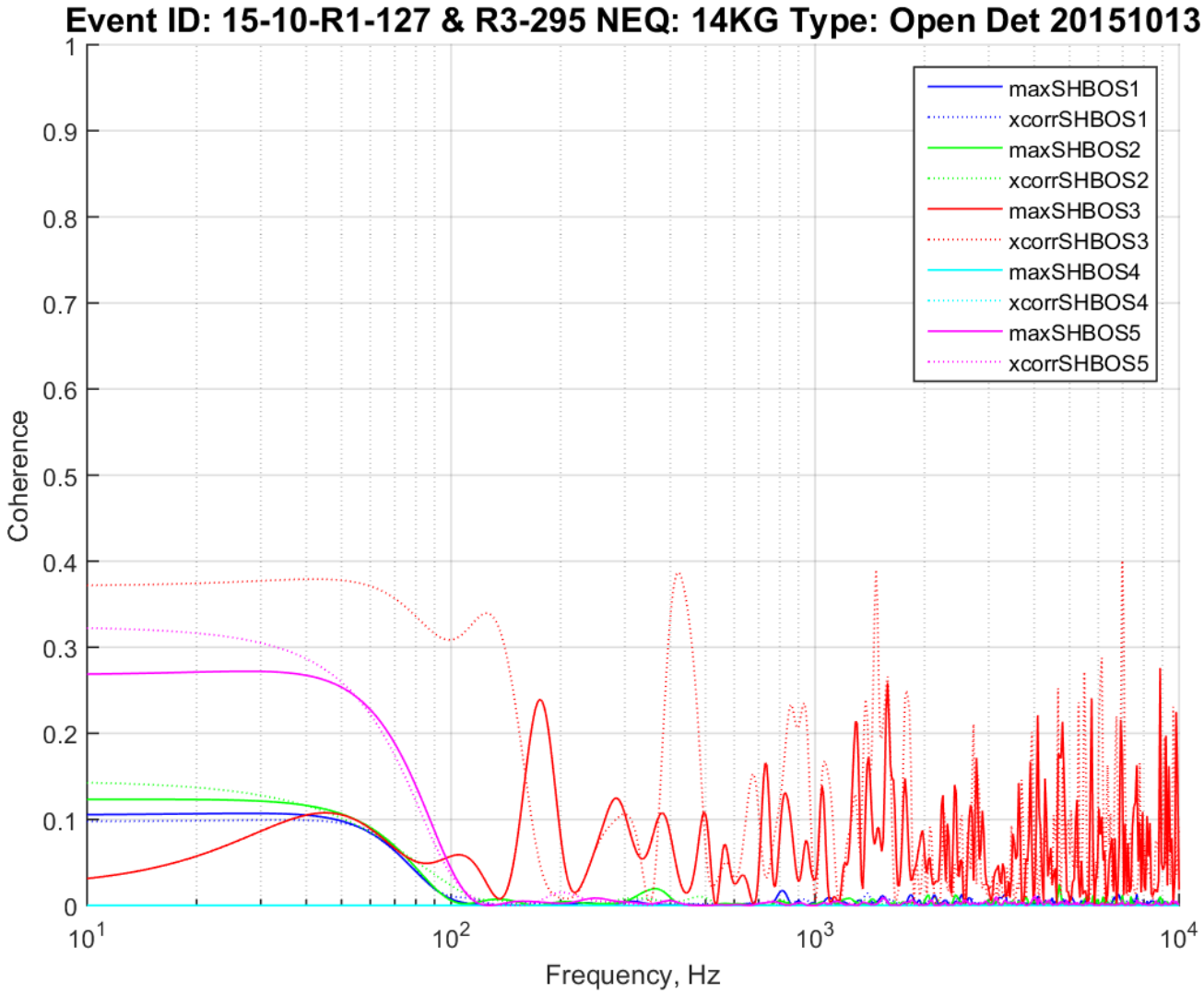


FIGURE 2.1328: COHERENCE SHB_OS 1 - 5 15-10-R1-127 & R3-295

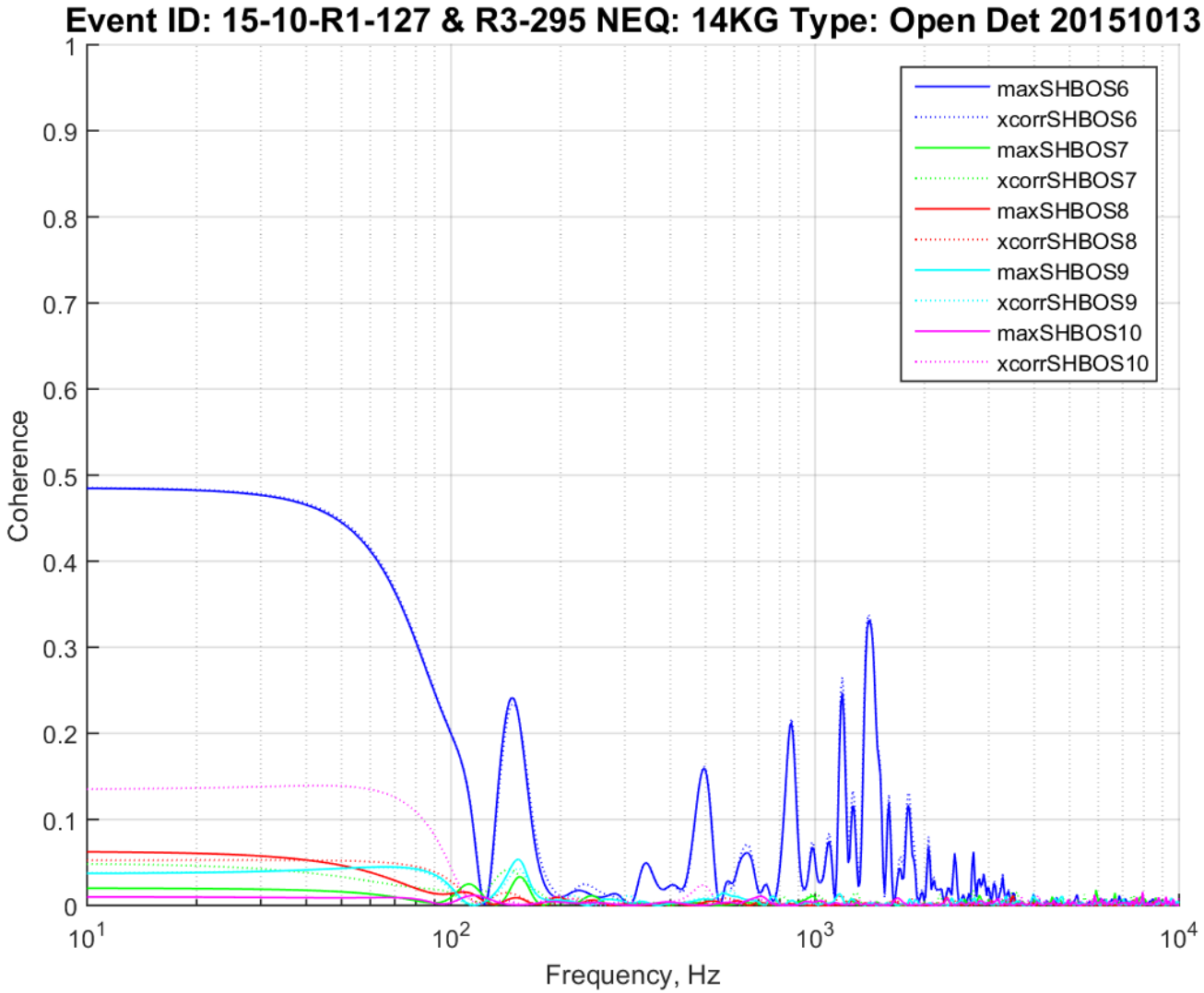


FIGURE 2.1329: COHERENCE SHB_OS 6 - 10 15-10-R1-127 & R3-295CTD

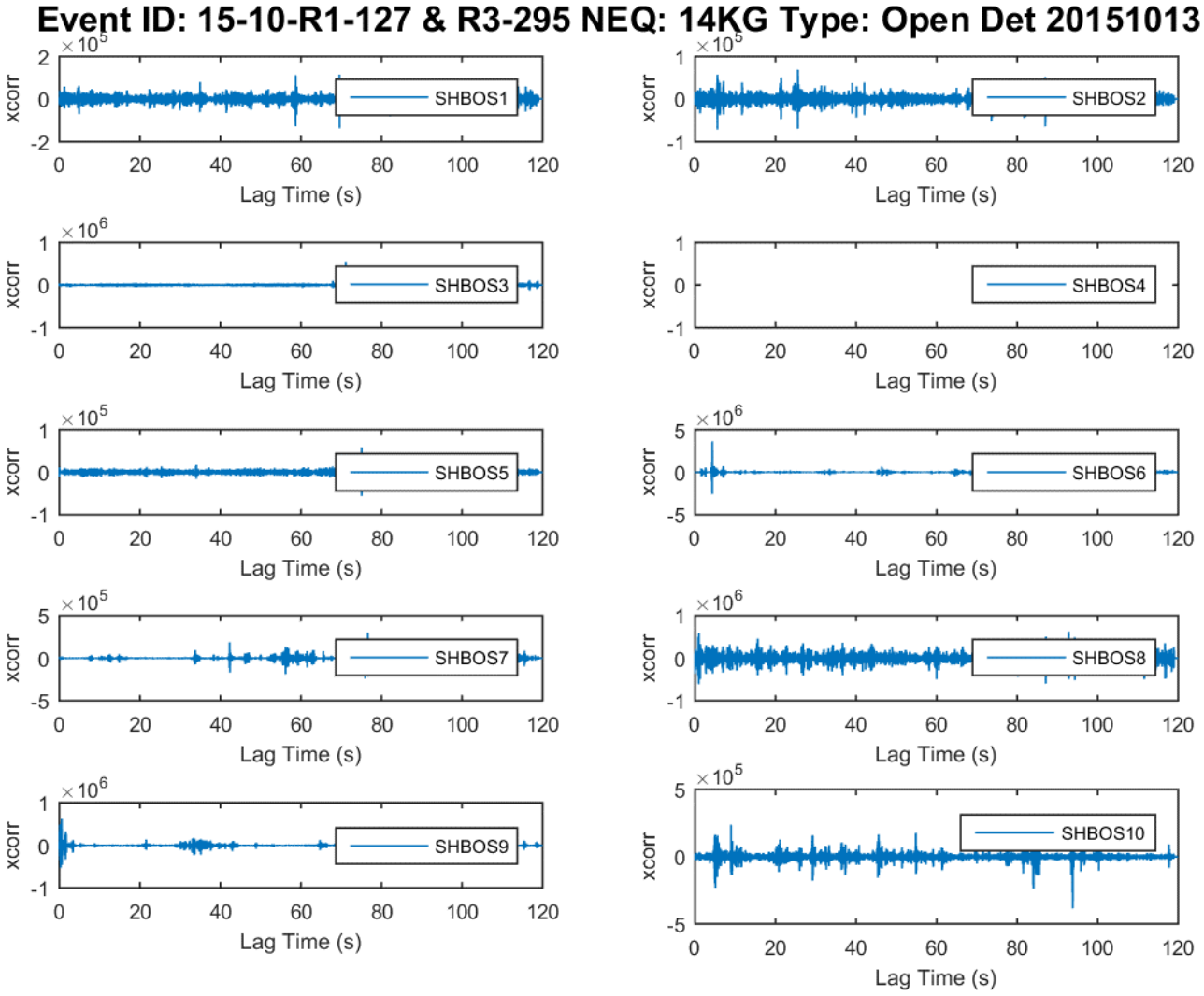


FIGURE 2.1330: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-127 & R3-295

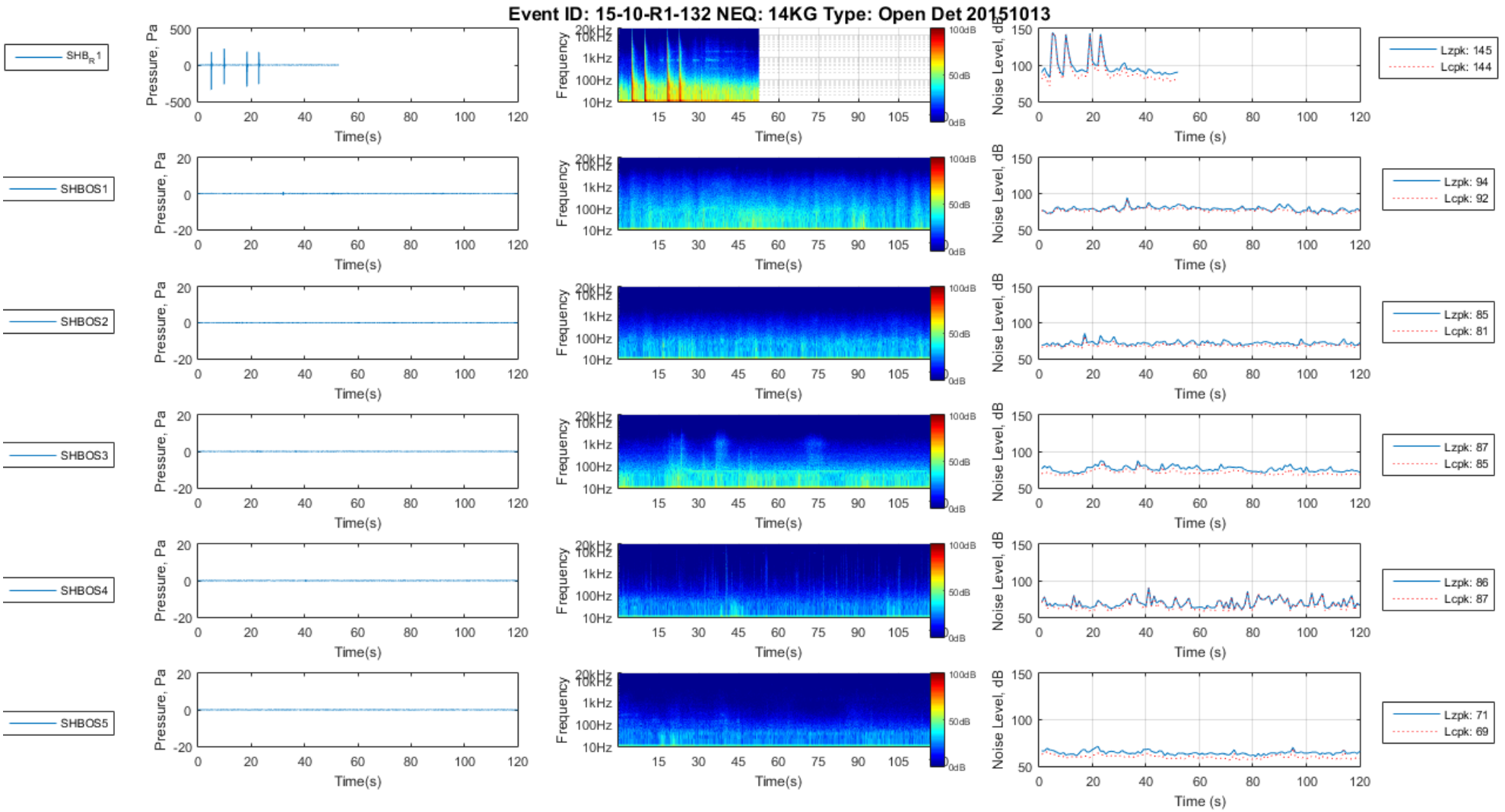


FIGURE 2.1331: SHB_OS 1 - 5 15-10-R1-132

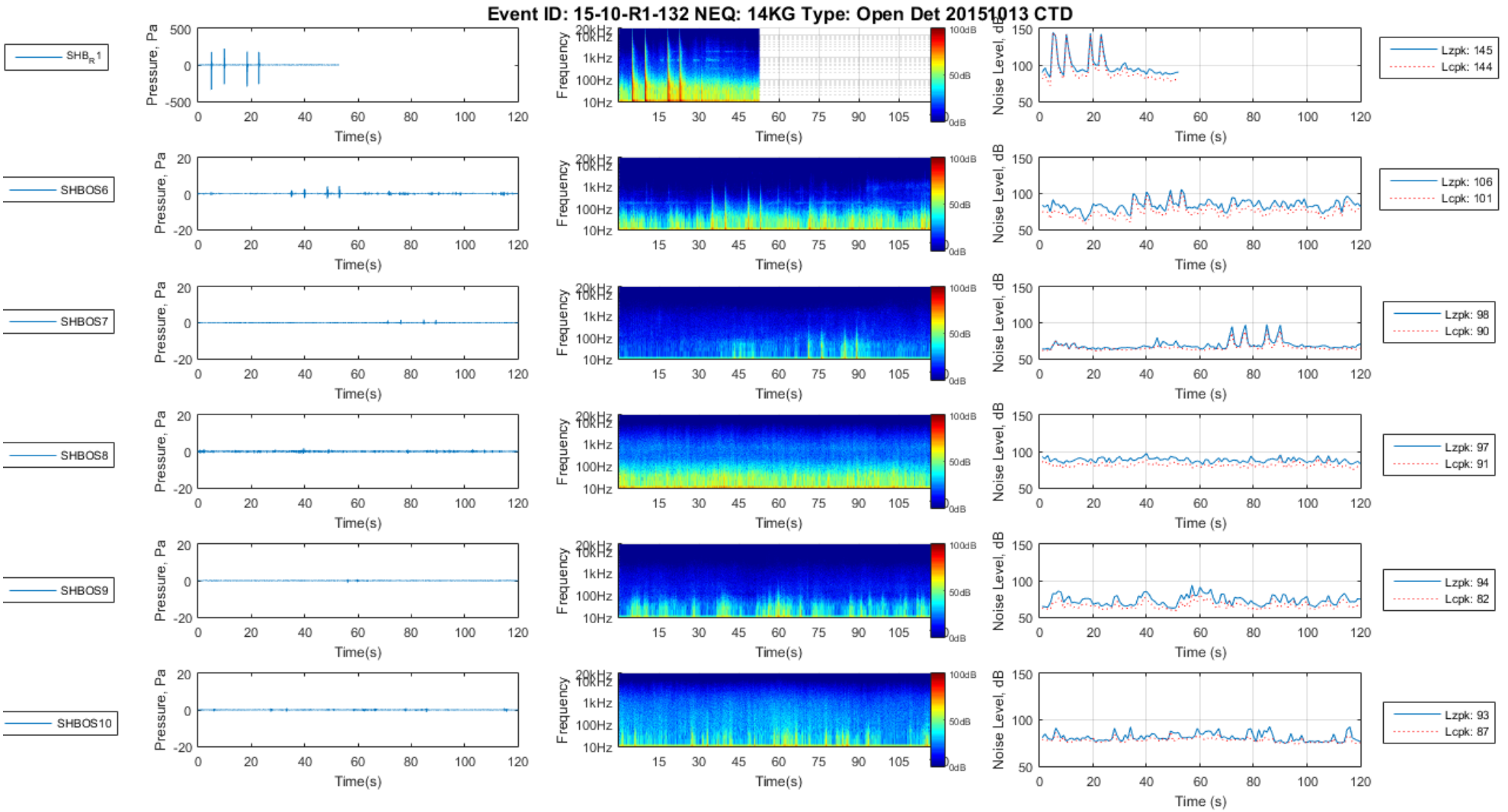


FIGURE 2.1332: SHB_OS 6 - 10 15-10-R1-132

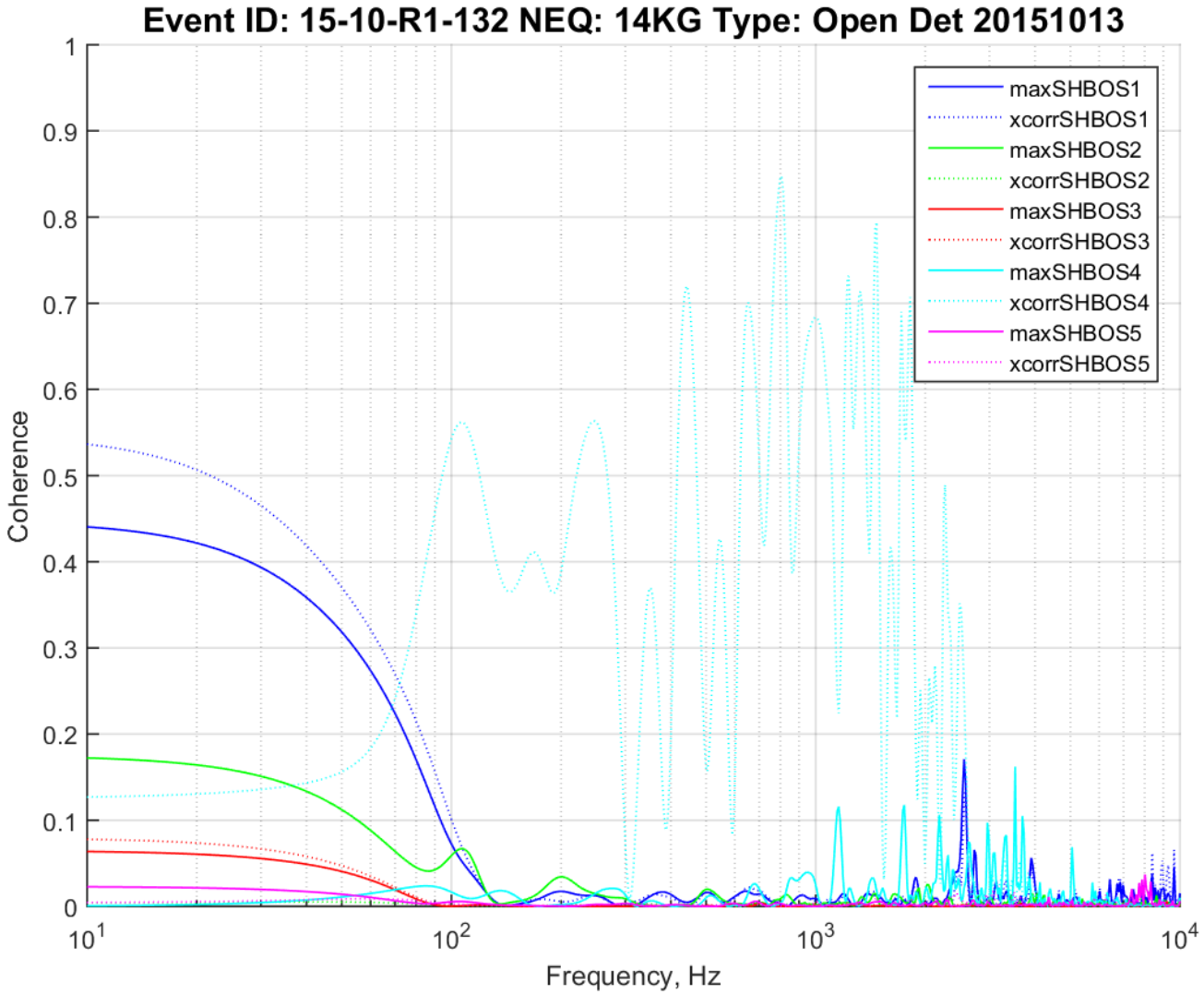


FIGURE 2.1333: COHERENCE SHB_OS 1 - 5 15-10-R1-132

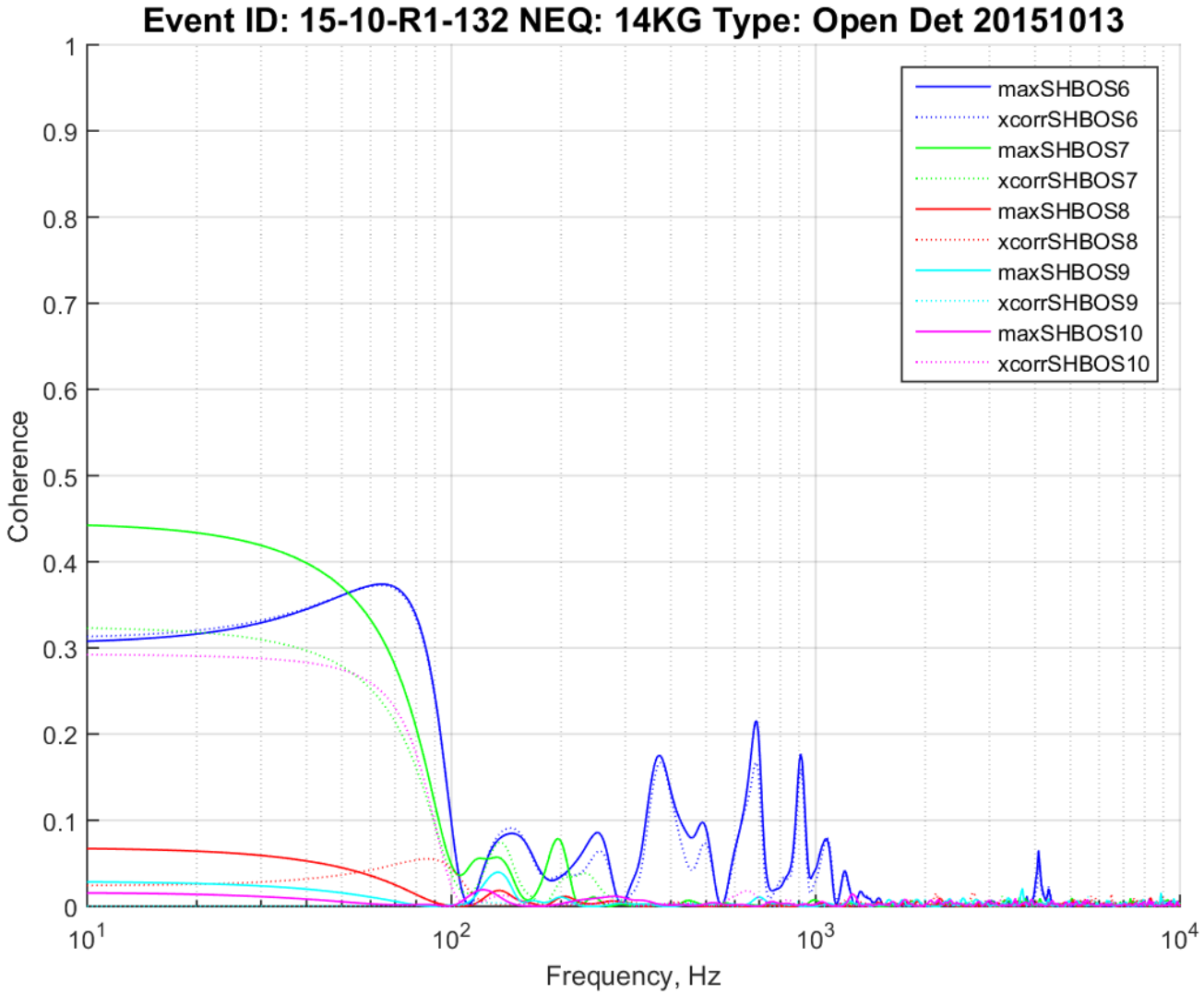


FIGURE 2.1334: COHERENCE SHB_OS 6 - 10 15-10-R1-132CTD

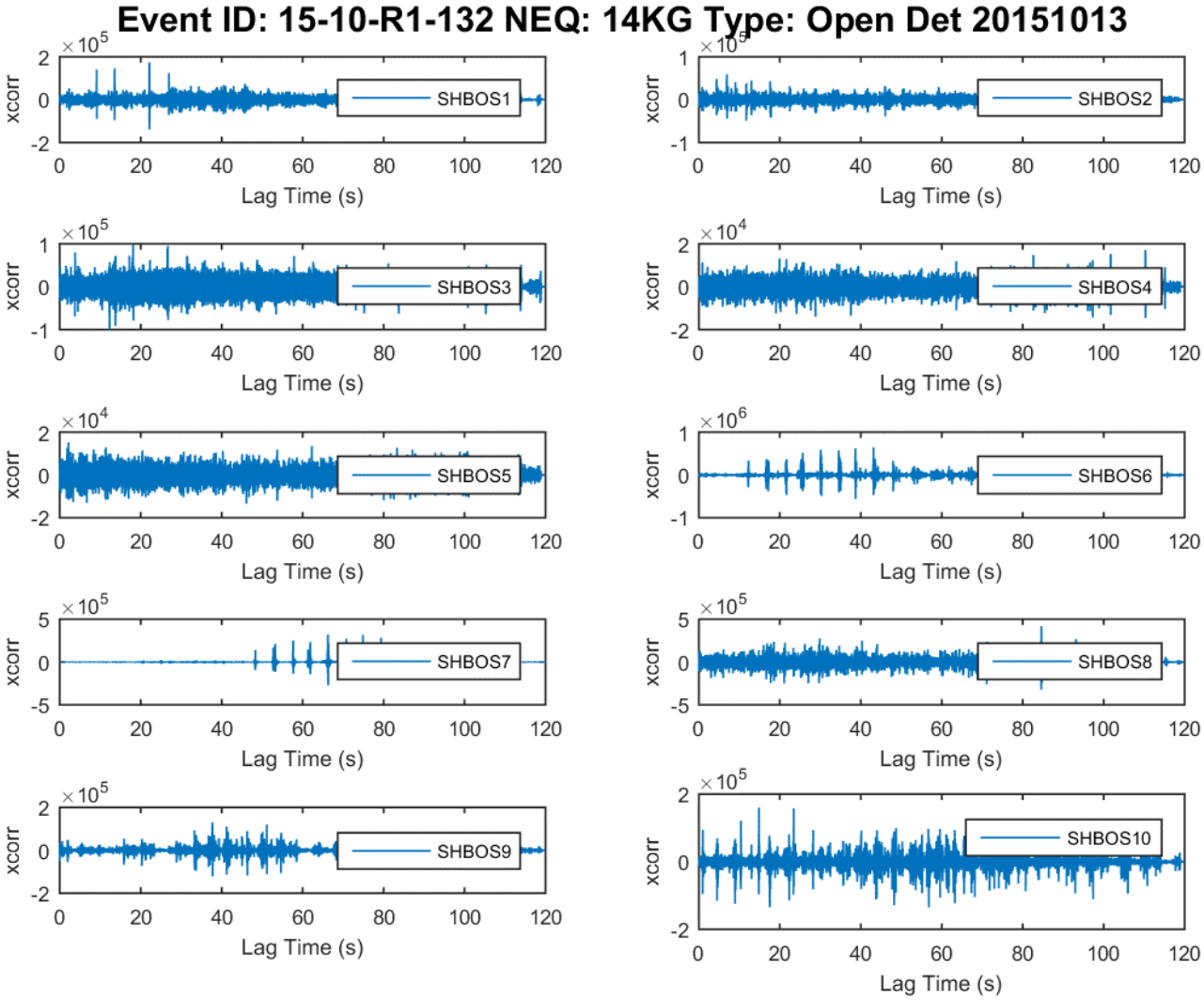


FIGURE 2.1335: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-132

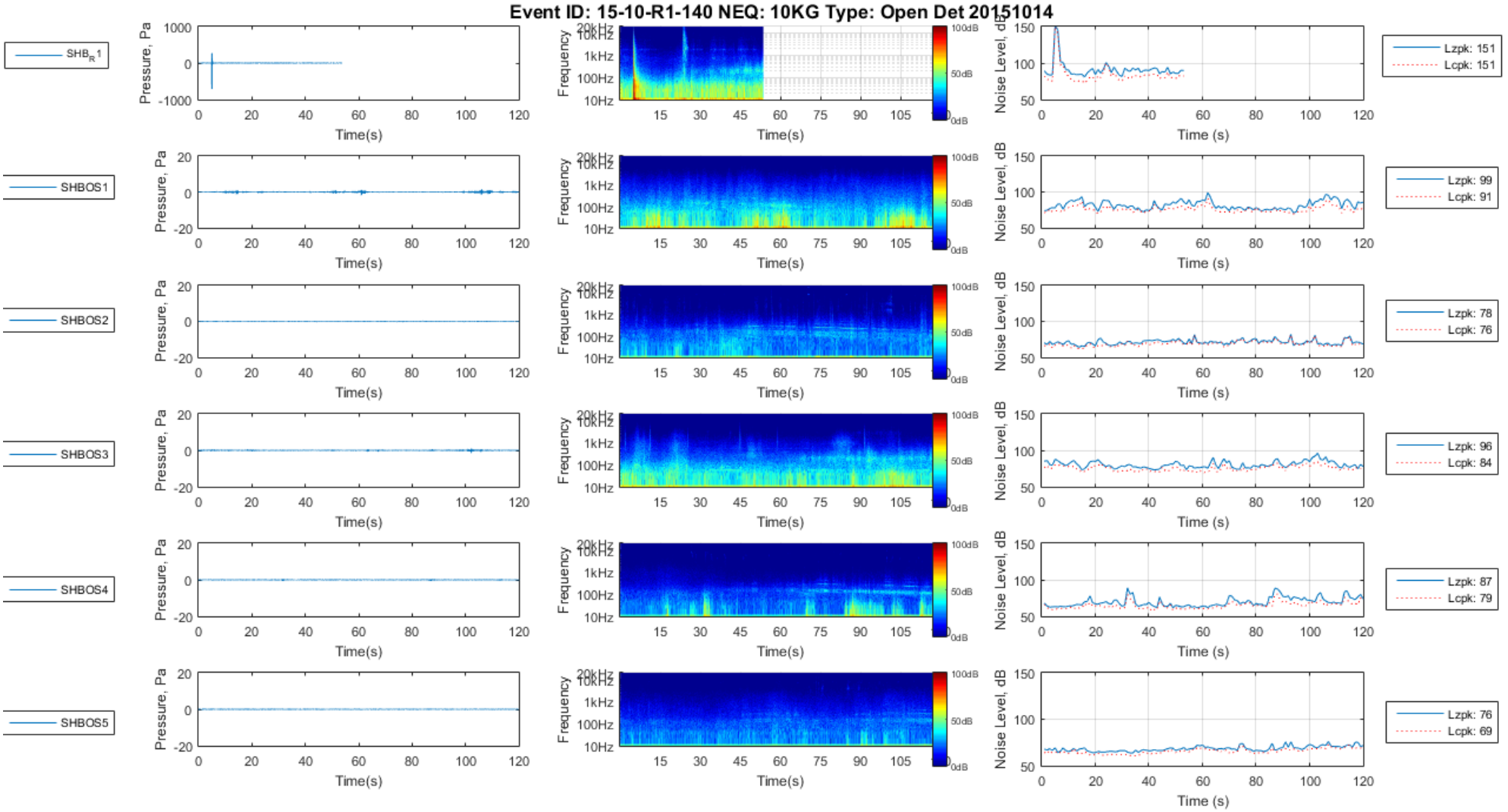


FIGURE 2.1336: SHB_OS 1 - 5 15-10-R1-140

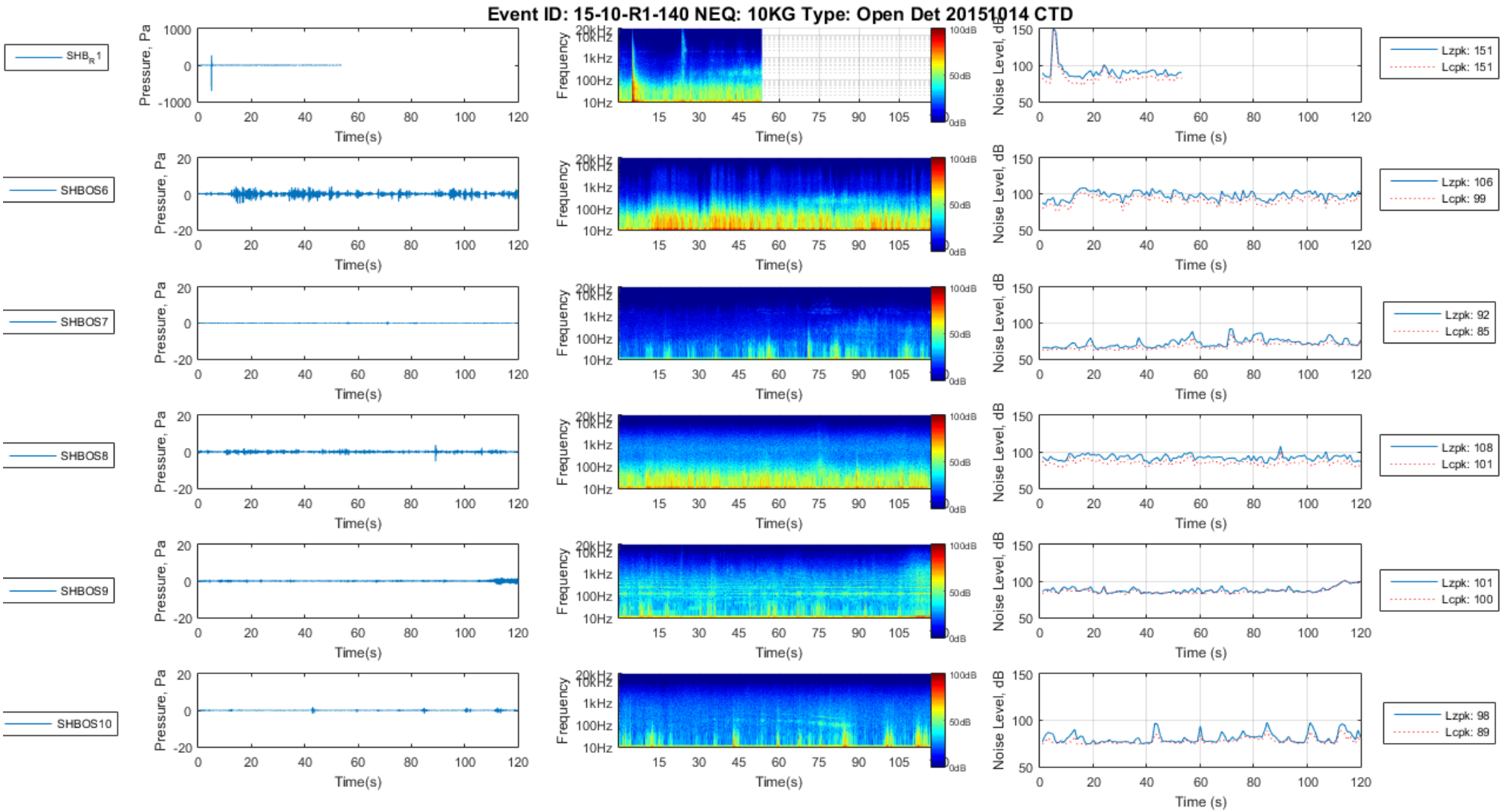


FIGURE 2.1337: SHB_OS 6 - 10 15-10-R1-140

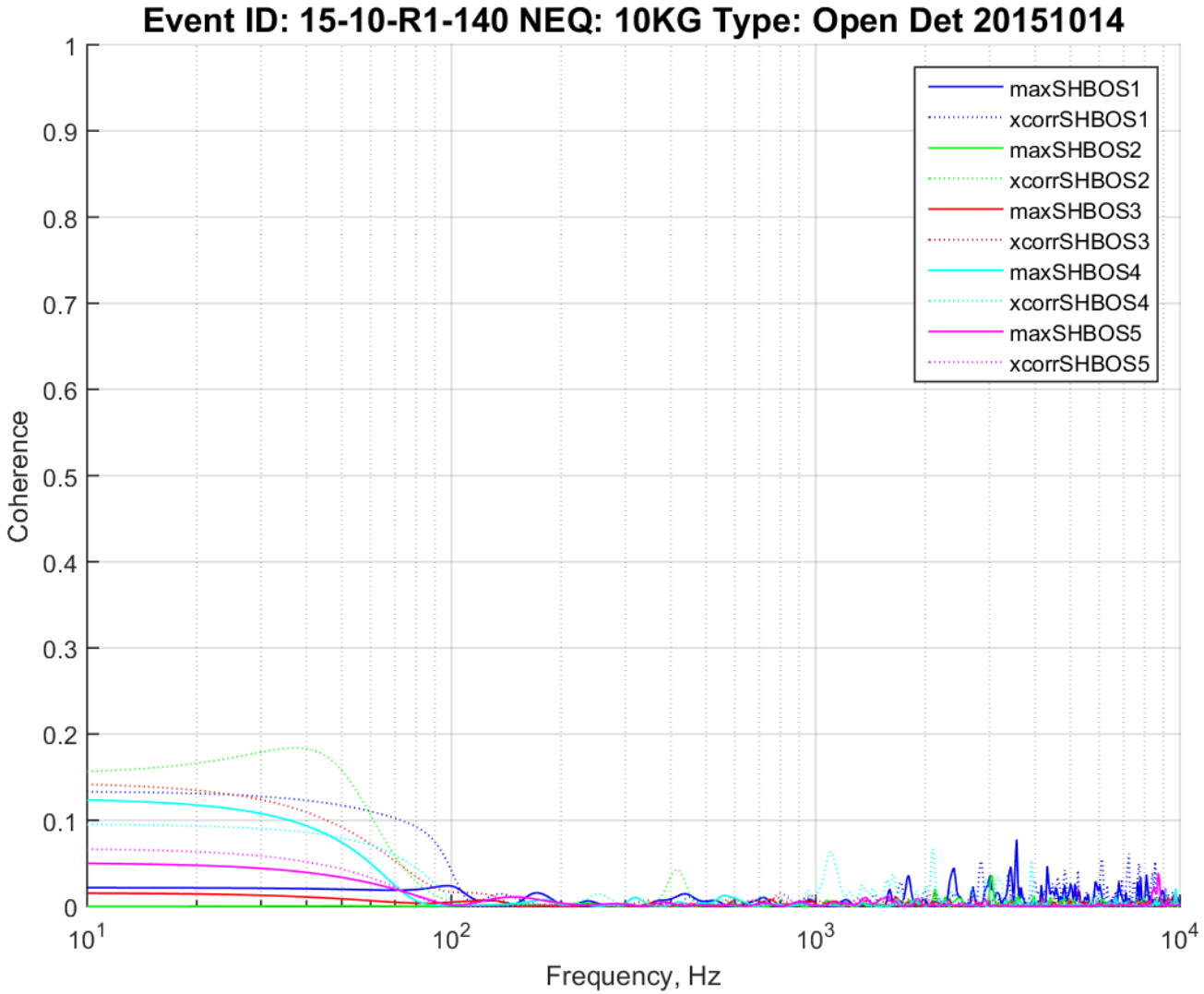


FIGURE 2.1338: COHERENCE SHB_OS 1 - 5 15-10-R1-140

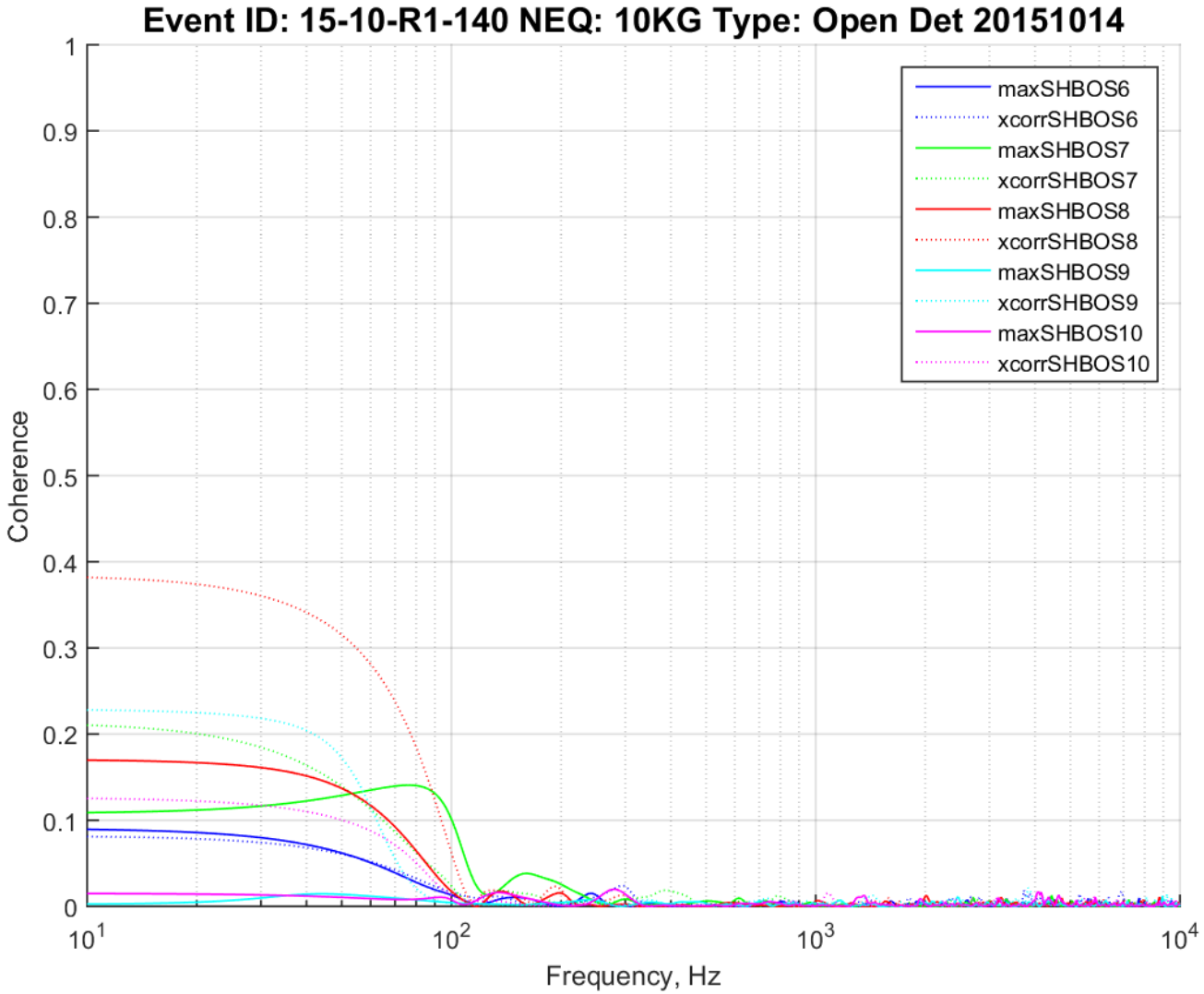


FIGURE 2.1339: COHERENCE SHB_OS 6 - 10 15-10-R1-140CTD

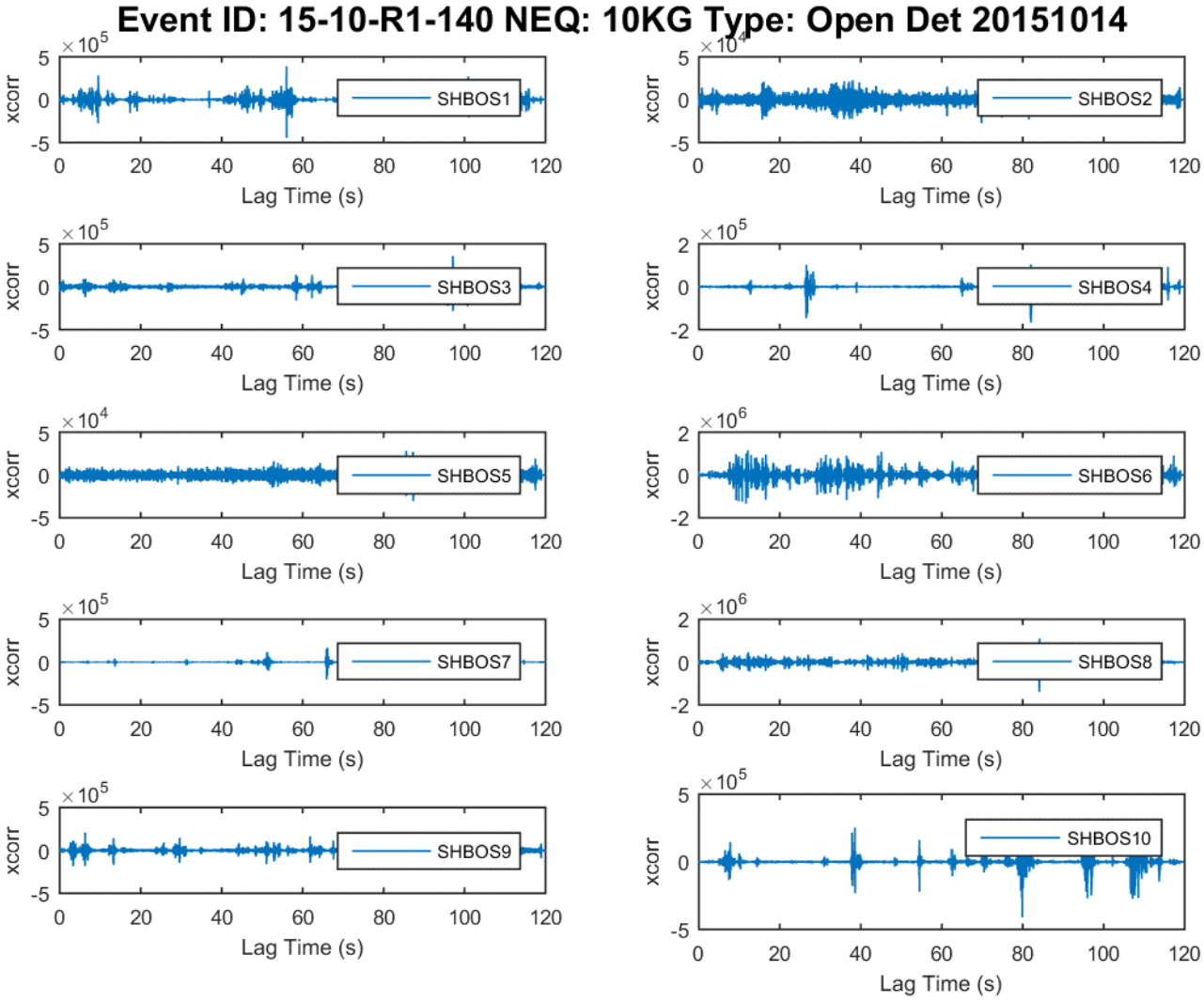


FIGURE 2.1340: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-140

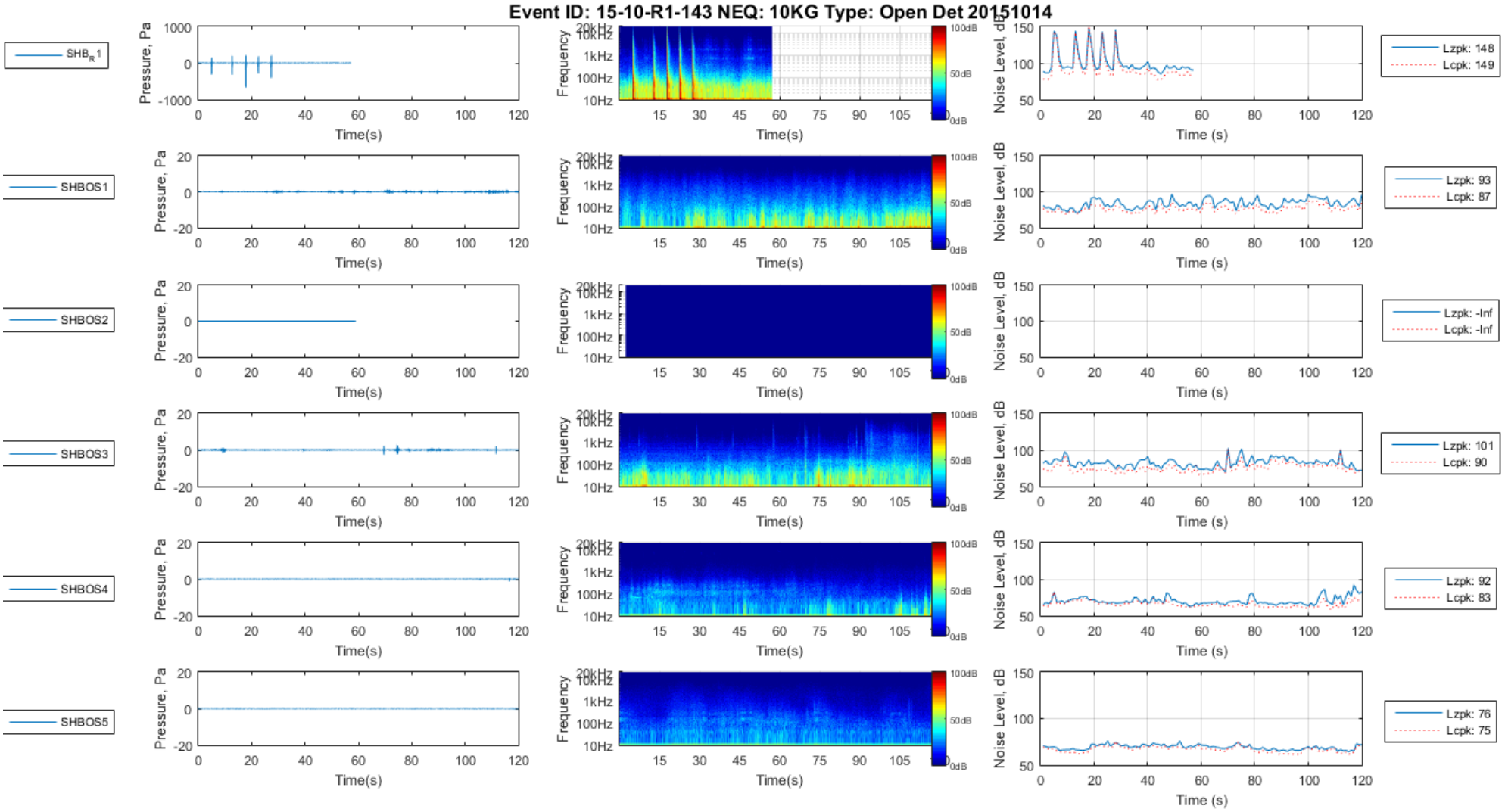


FIGURE 2.1341: SHB_OS 1 - 5 15-10-R1-143

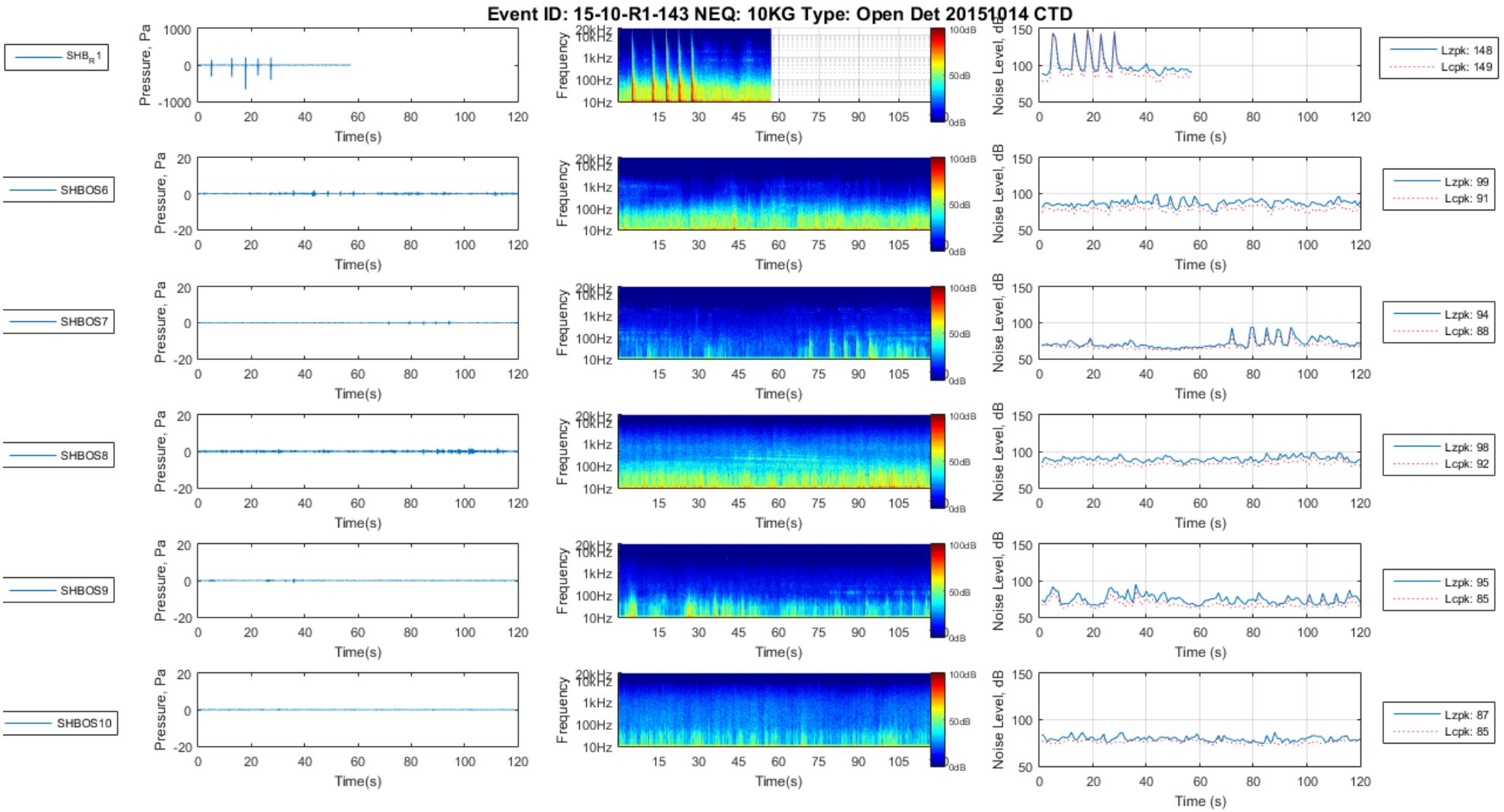


FIGURE 2.1342: SHB_OS 6 - 10 15-10-R1-143

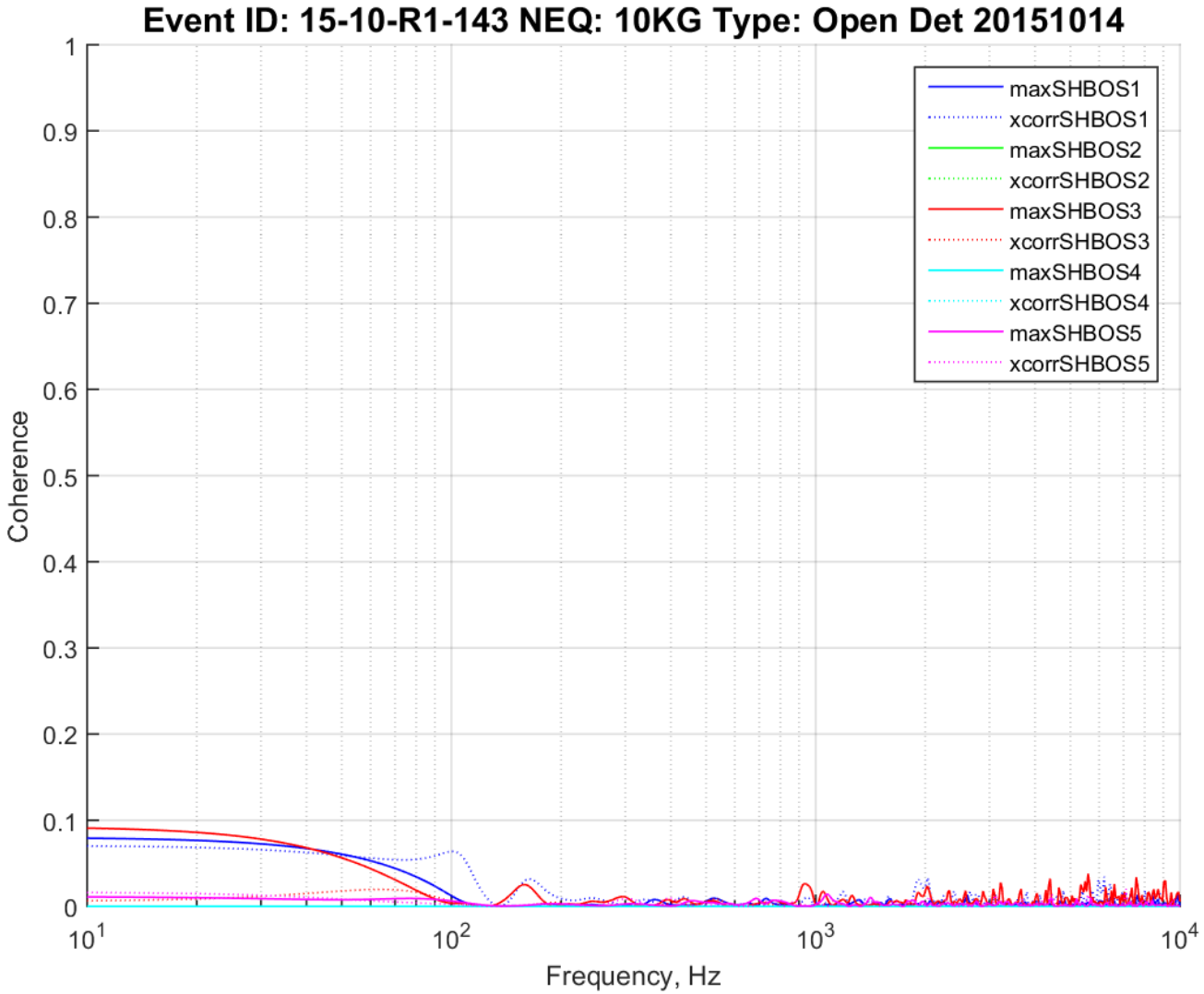


FIGURE 2.1343: COHERENCE SHB_OS 1 - 5 15-10-R1-143

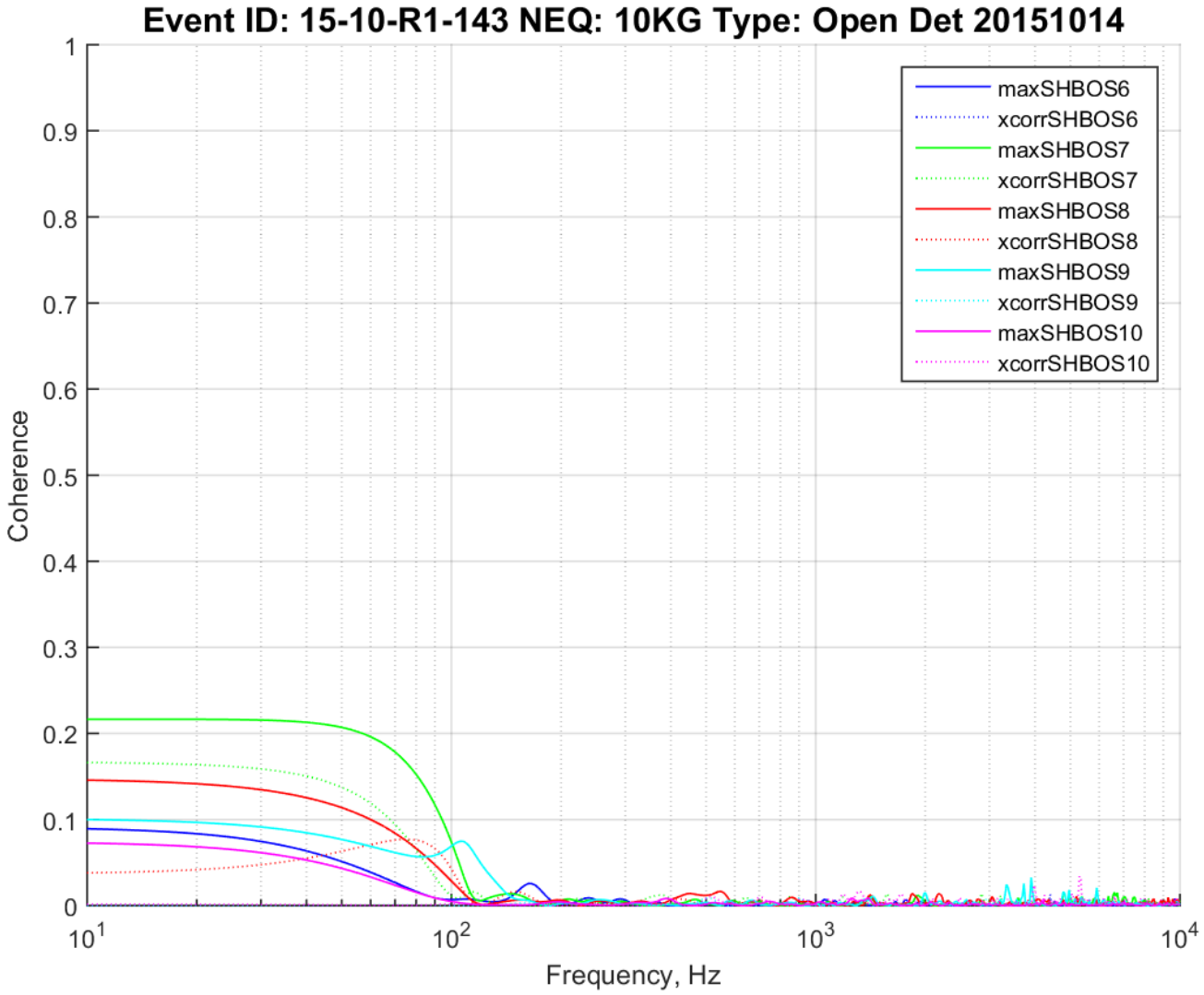


FIGURE 2.1344: COHERENCE SHB_OS 6 - 10 15-10-R1-143CTD

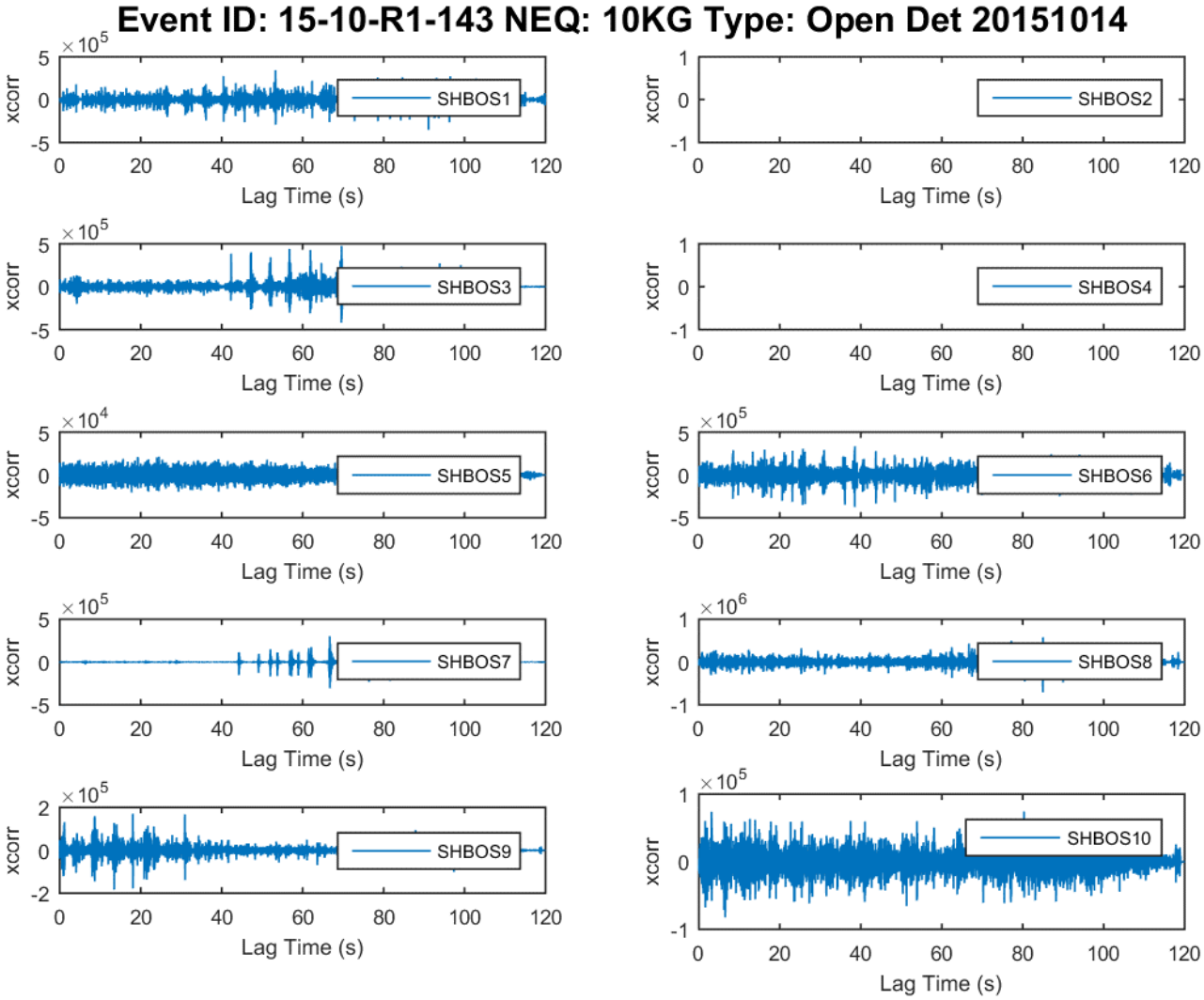


FIGURE 2.1345: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-143

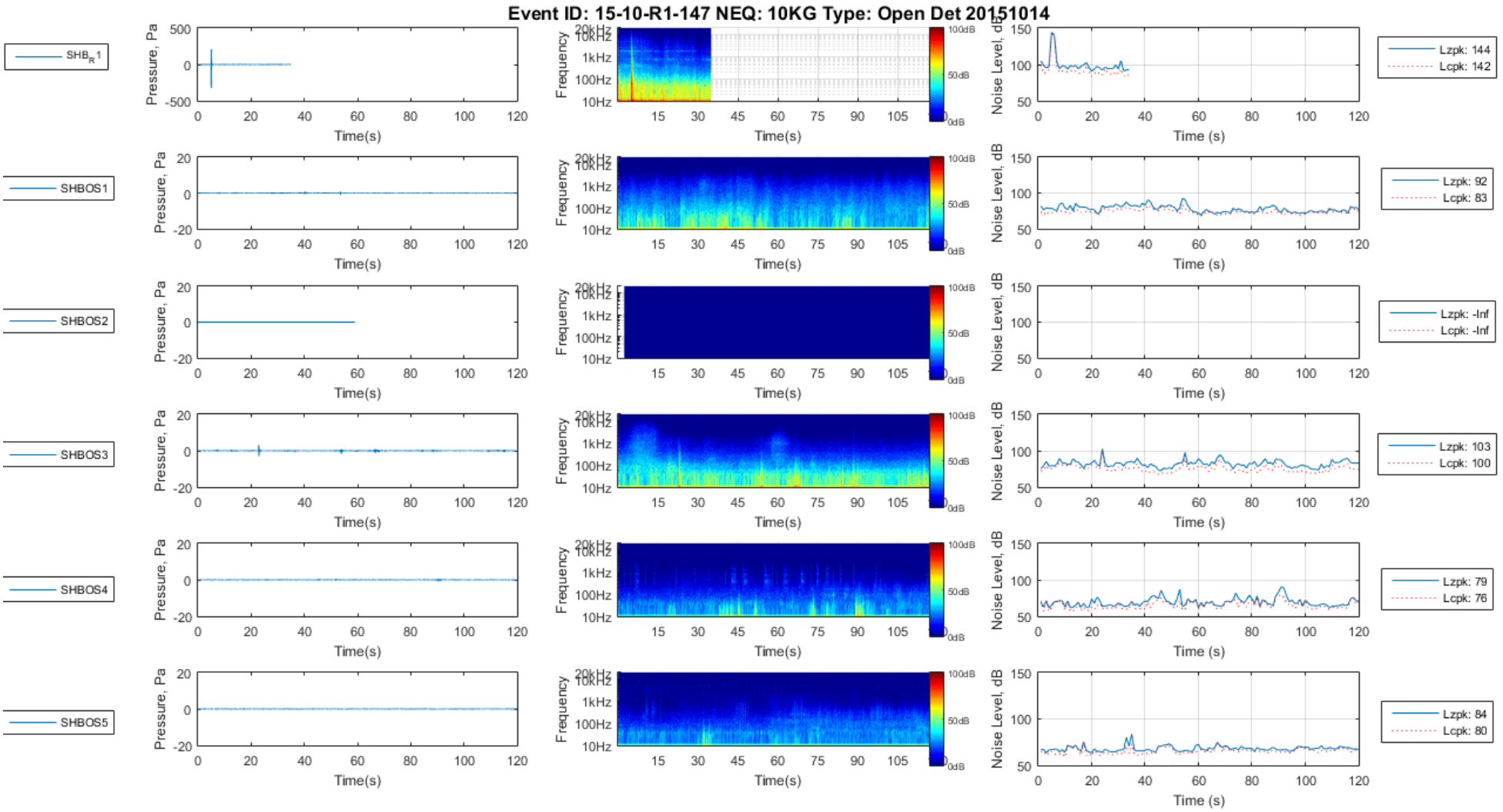


FIGURE 2.1346: SHB_OS 1 - 5 15-10-R1-147

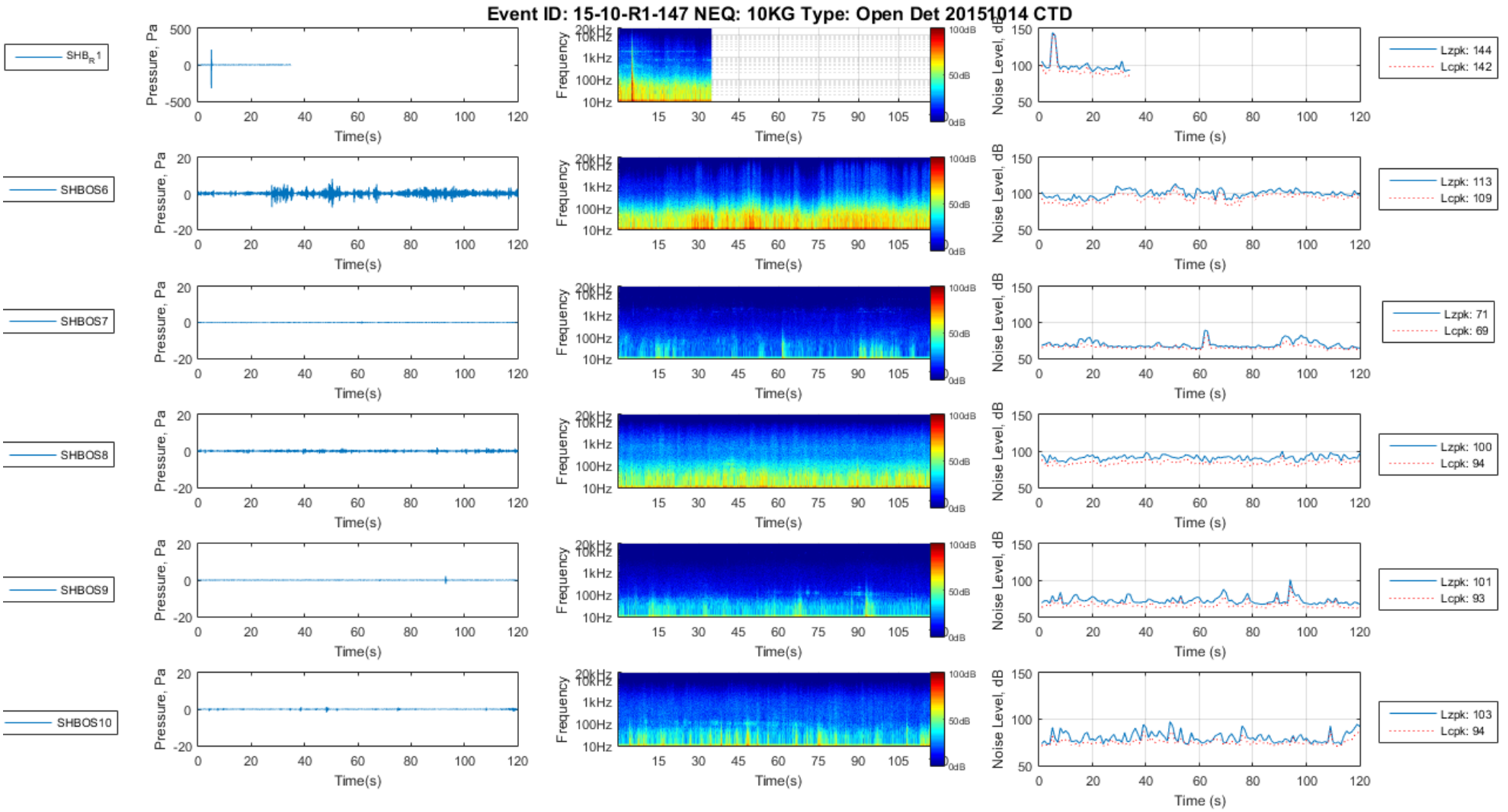


FIGURE 2.1347: SHB_OS 6 - 10 15-10-R1-147

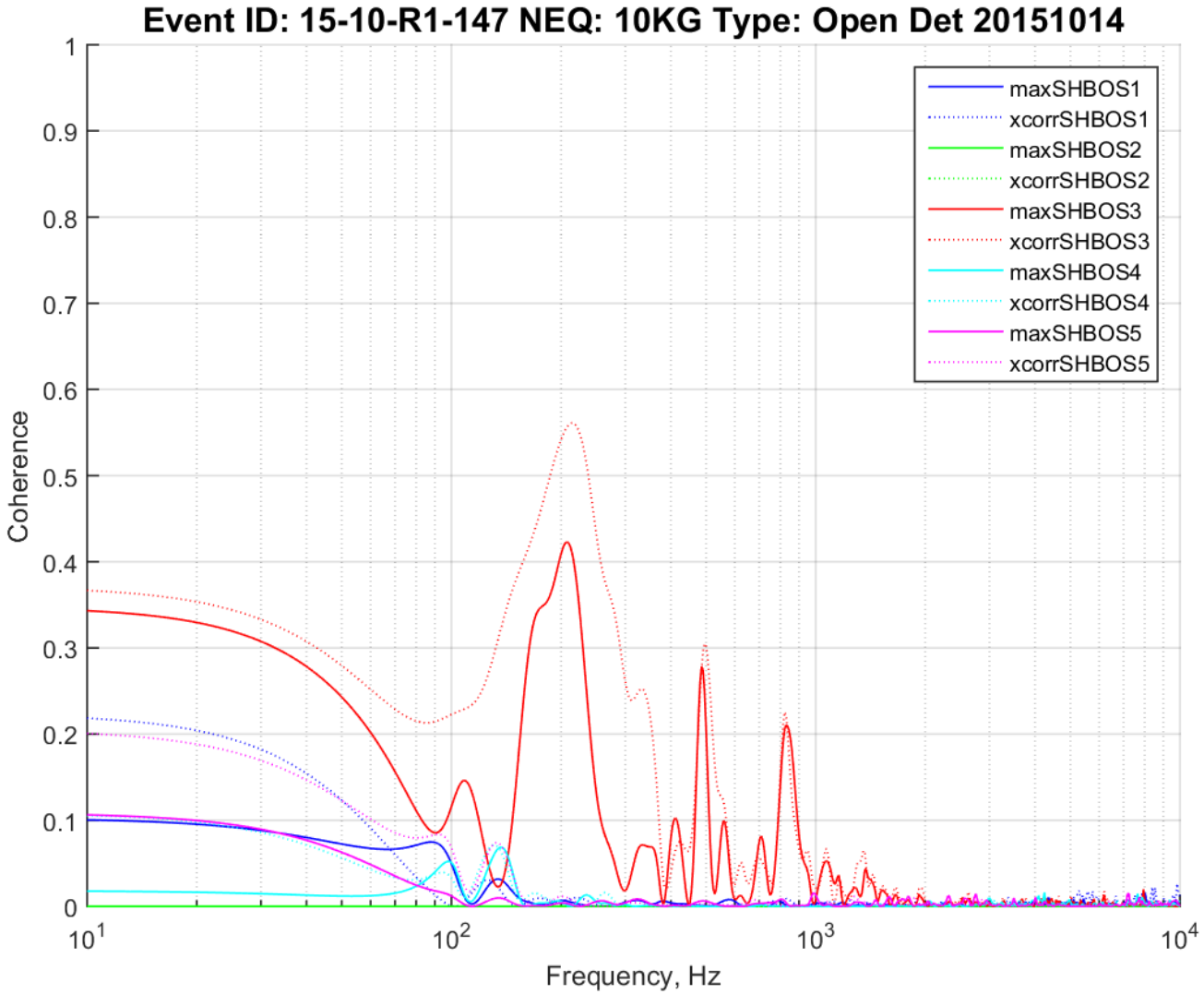


FIGURE 2.1348: COHERENCE SHB_OS 1 - 5 15-10-R1-147

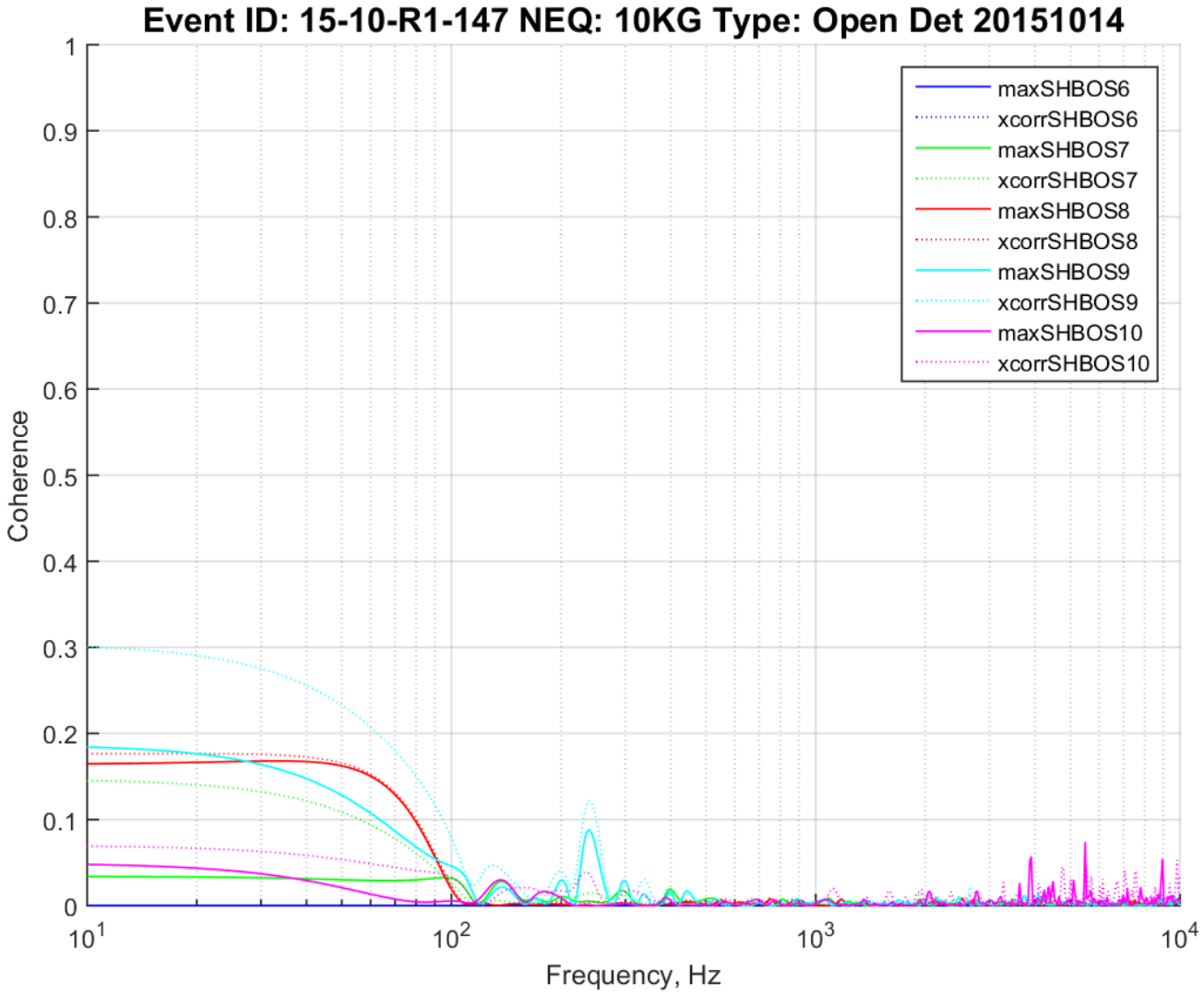


FIGURE 2.1349: COHERENCE SHB_OS 6 - 10 15-10-R1-147CTD

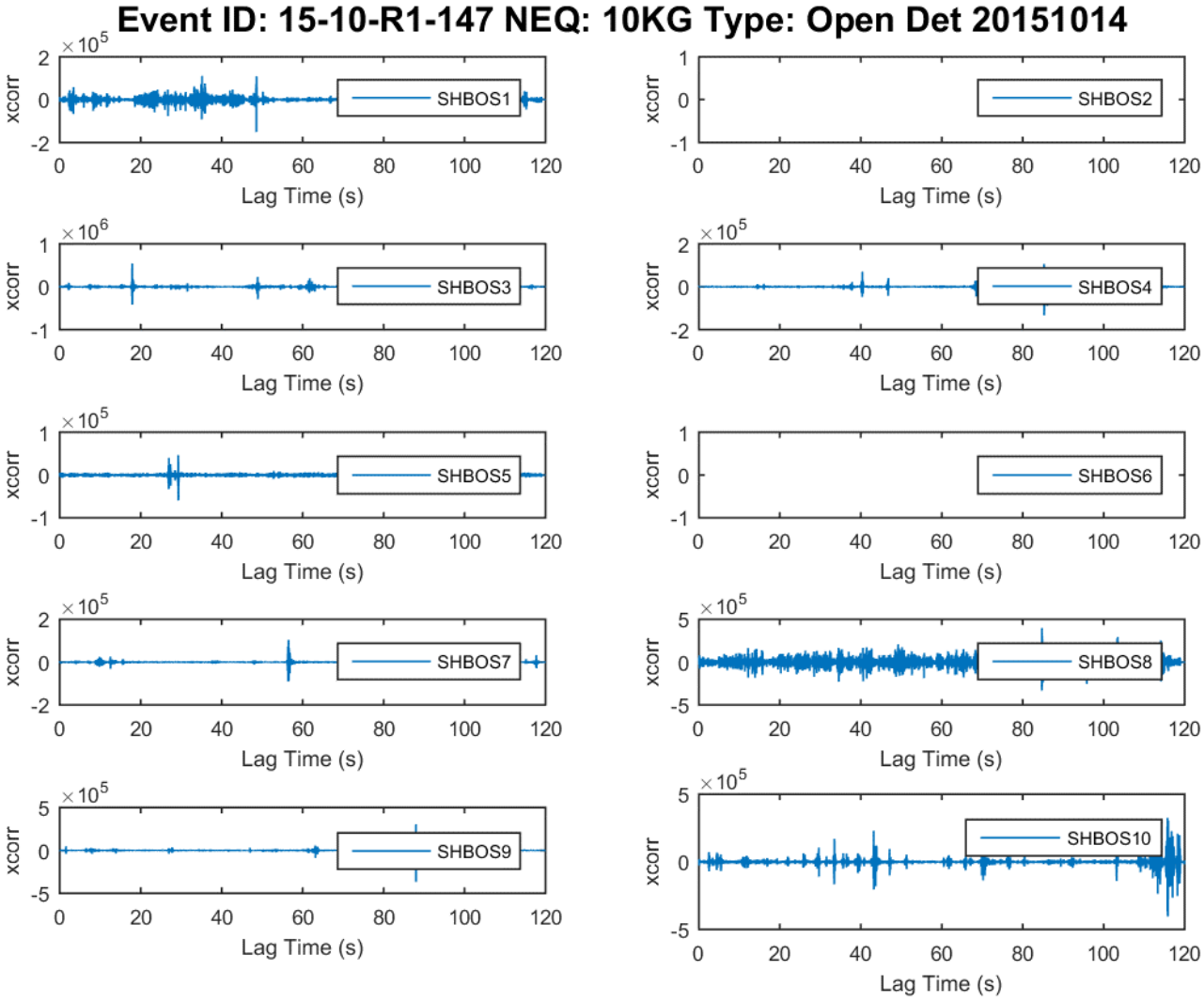


FIGURE 2.1350: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-147

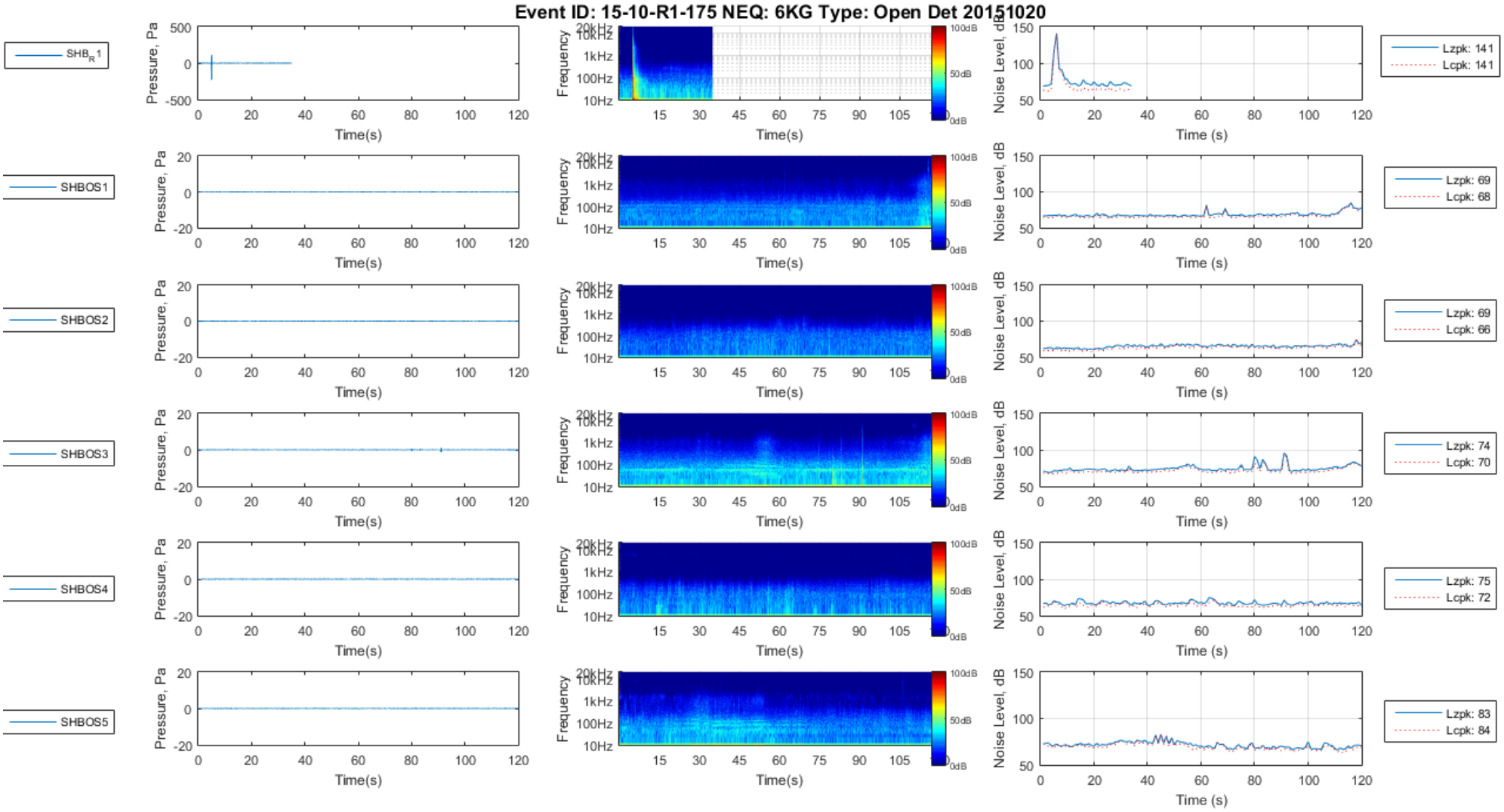


FIGURE 2.1351: SHB_OS 1 - 5 15-10-R1-175

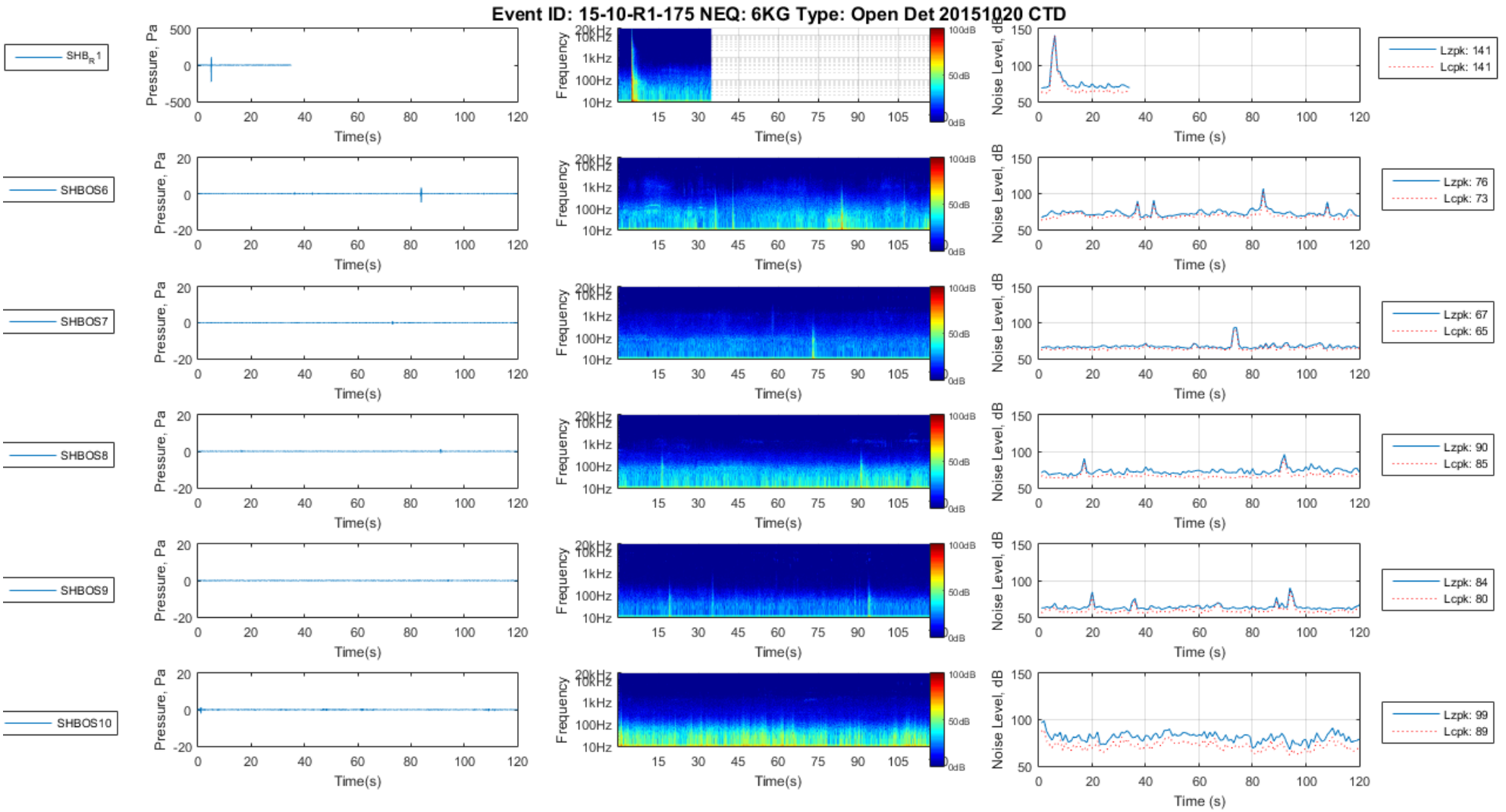


FIGURE 2.1352: SHB_OS 6 - 10 15-10-R1-175

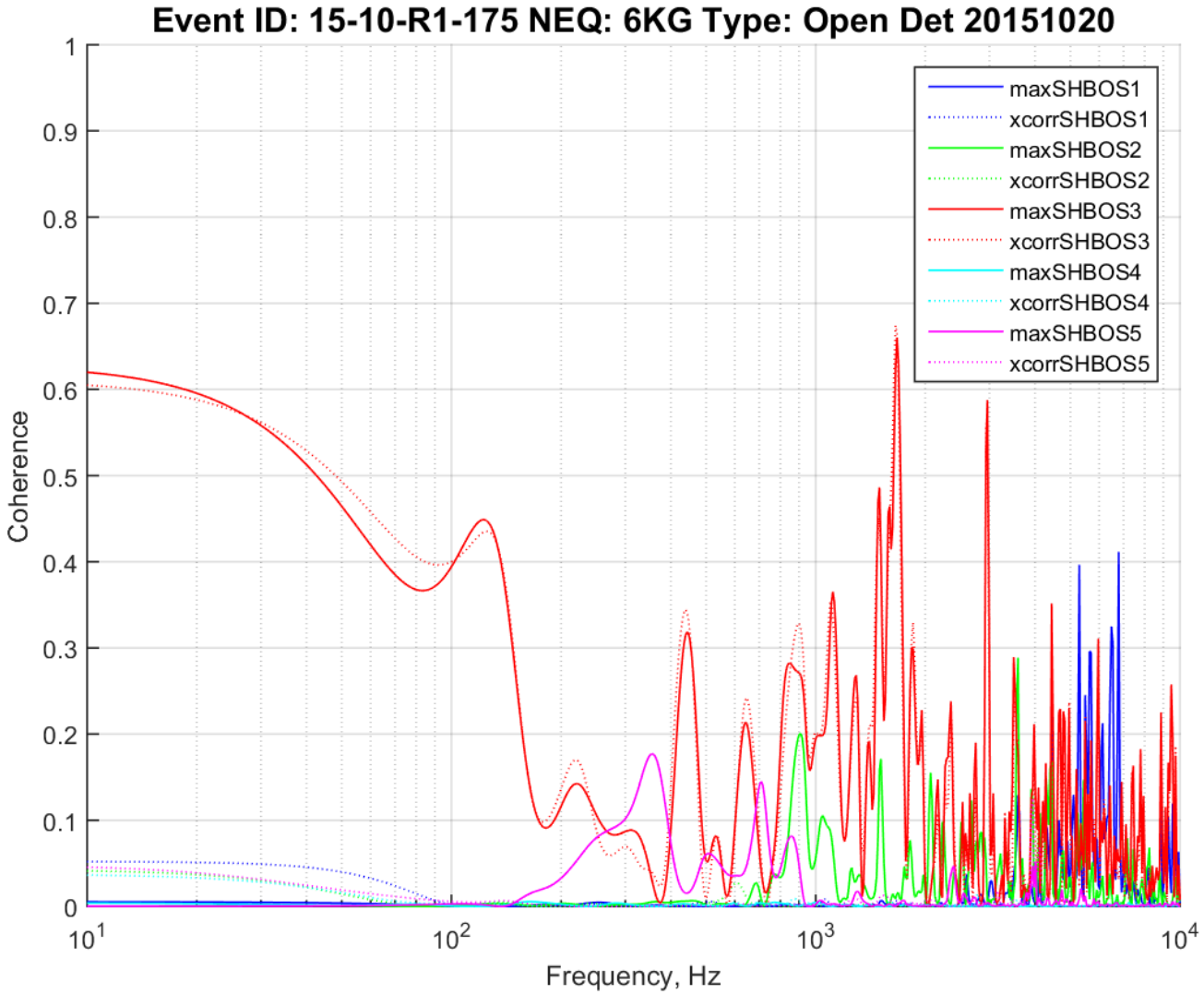


FIGURE 2.1353: COHERENCE SHB_OS 1 - 5 15-10-R1-175

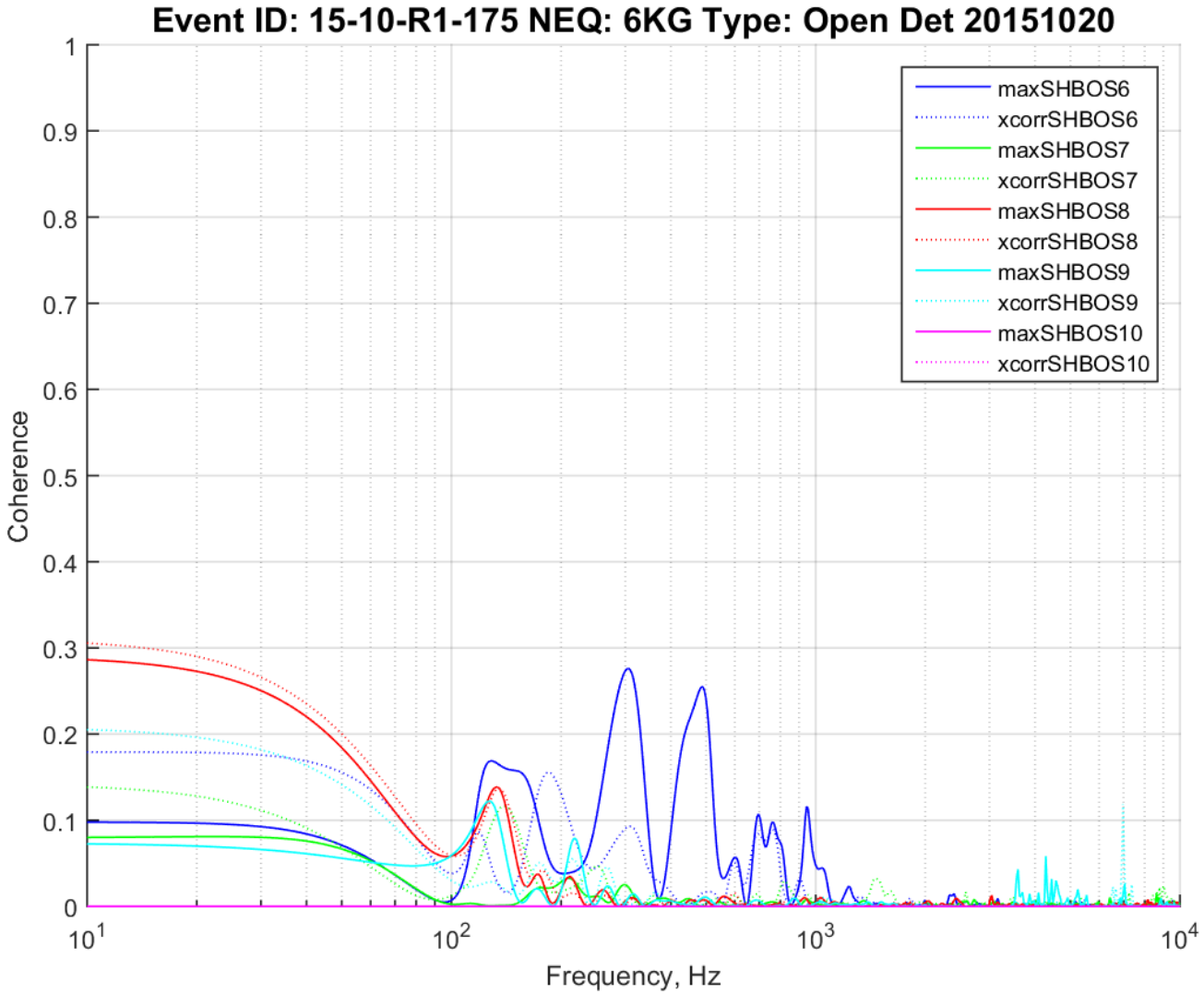


FIGURE 2.1354: COHERENCE SHB_OS 6 - 10 15-10-R1-175CTD

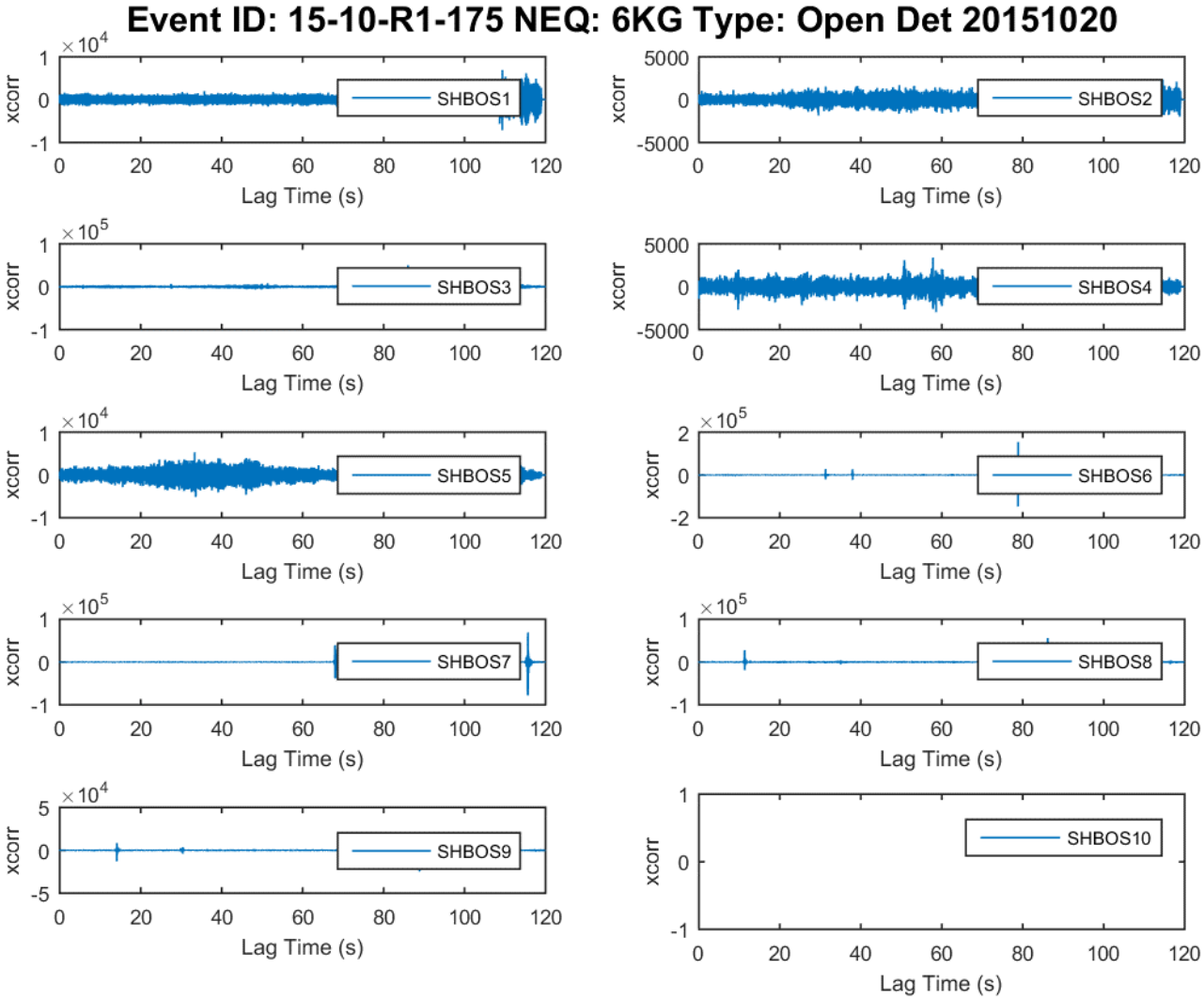


FIGURE 2.1355: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-175

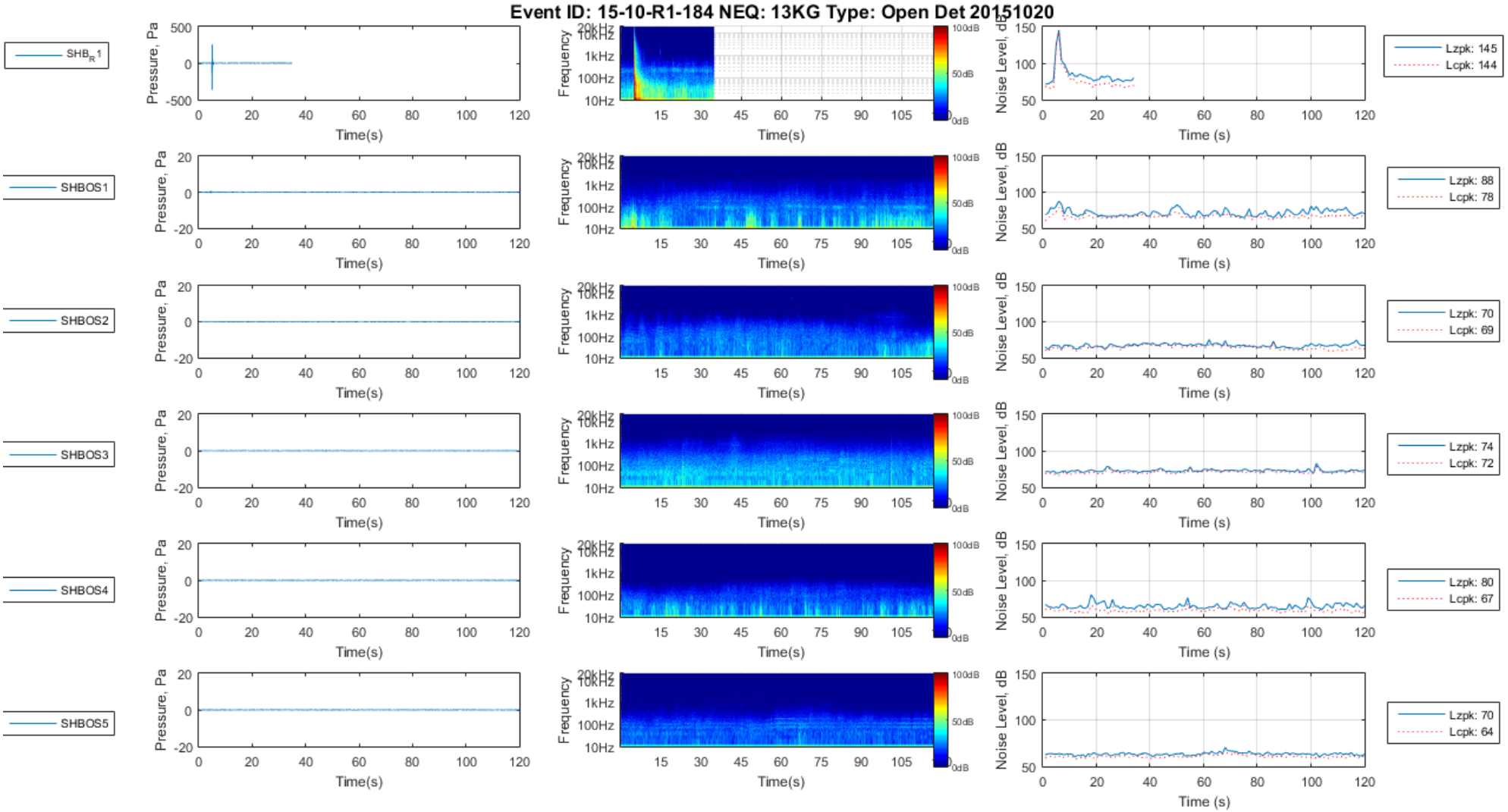


FIGURE 2.1356: SHB_OS 1 - 5 15-10-R1-184

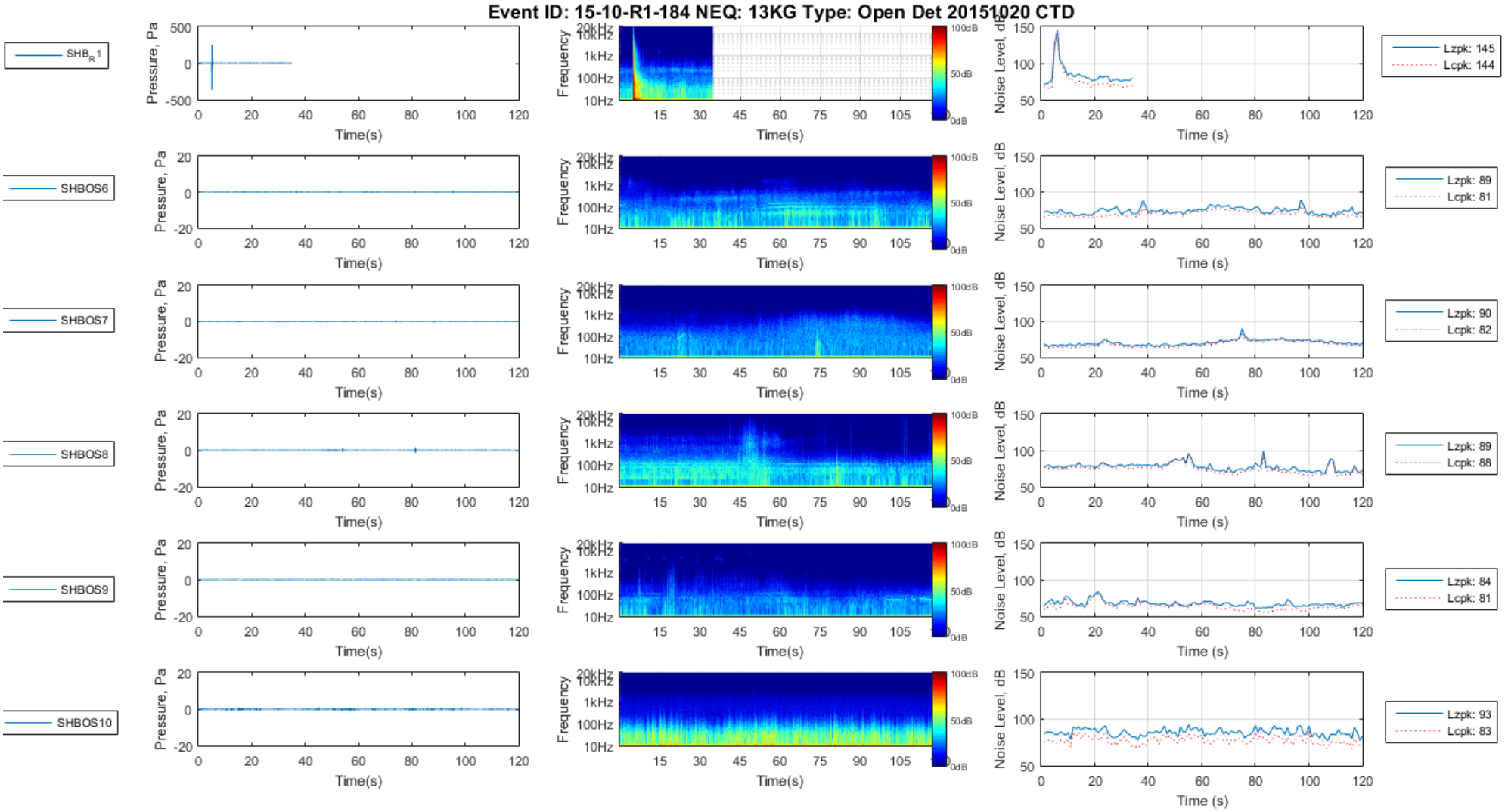


FIGURE 2.1357: SHB_OS 6 - 10 15-10-R1-184

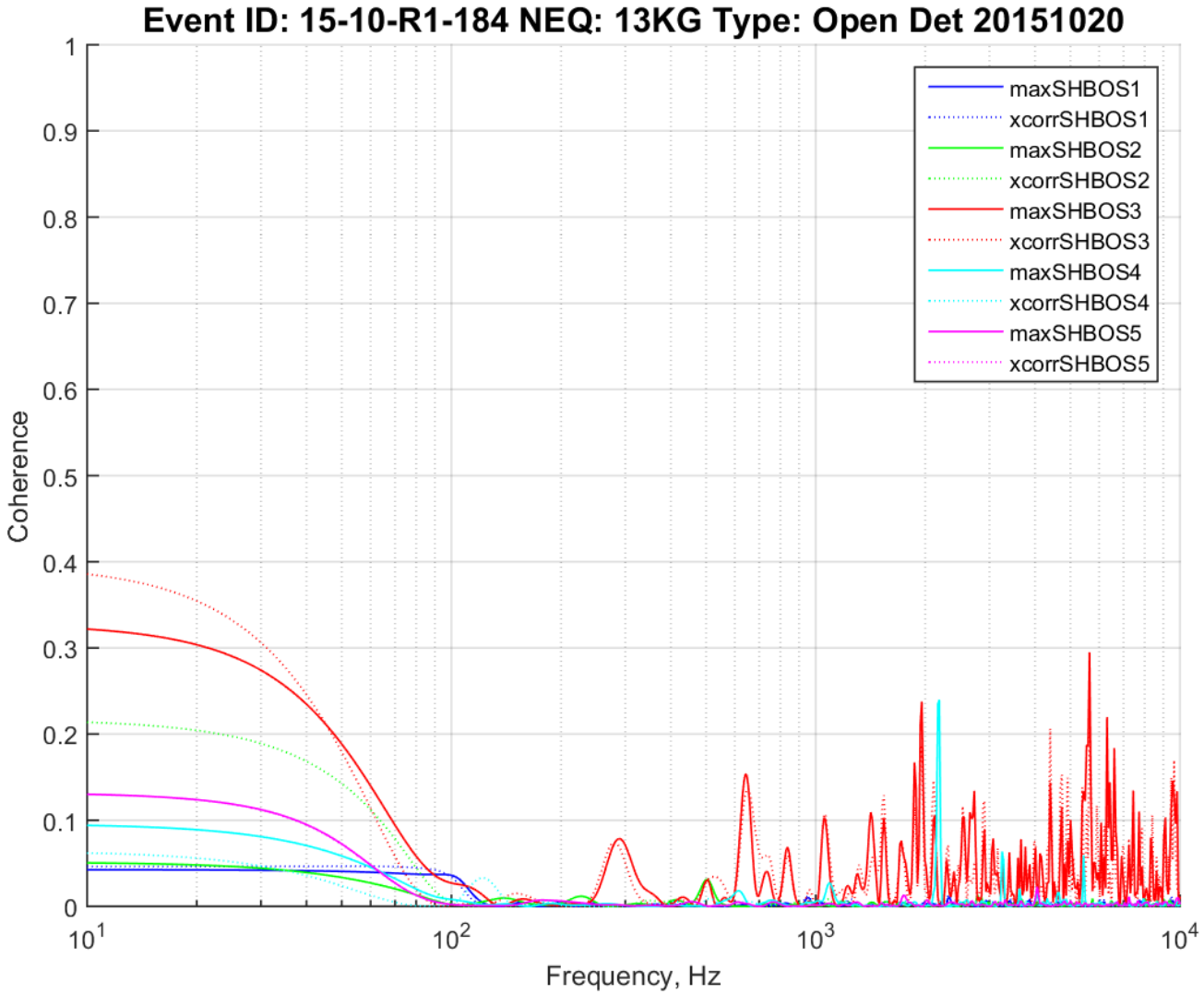


FIGURE 2.1358: COHERENCE SHB_OS 1 - 5 15-10-R1-184

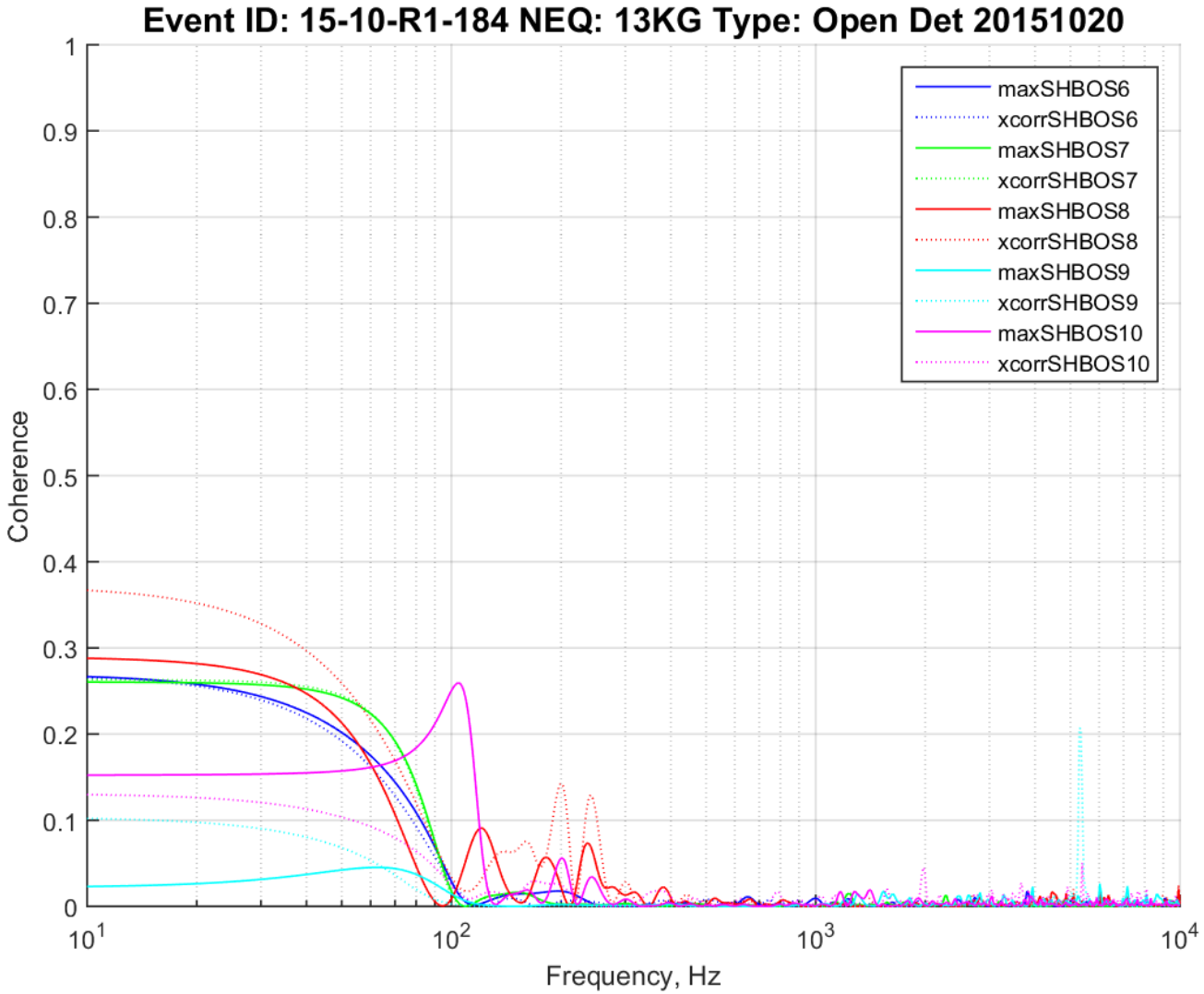


FIGURE 2.1359: COHERENCE SHB_OS 6 - 10 15-10-R1-184CTD

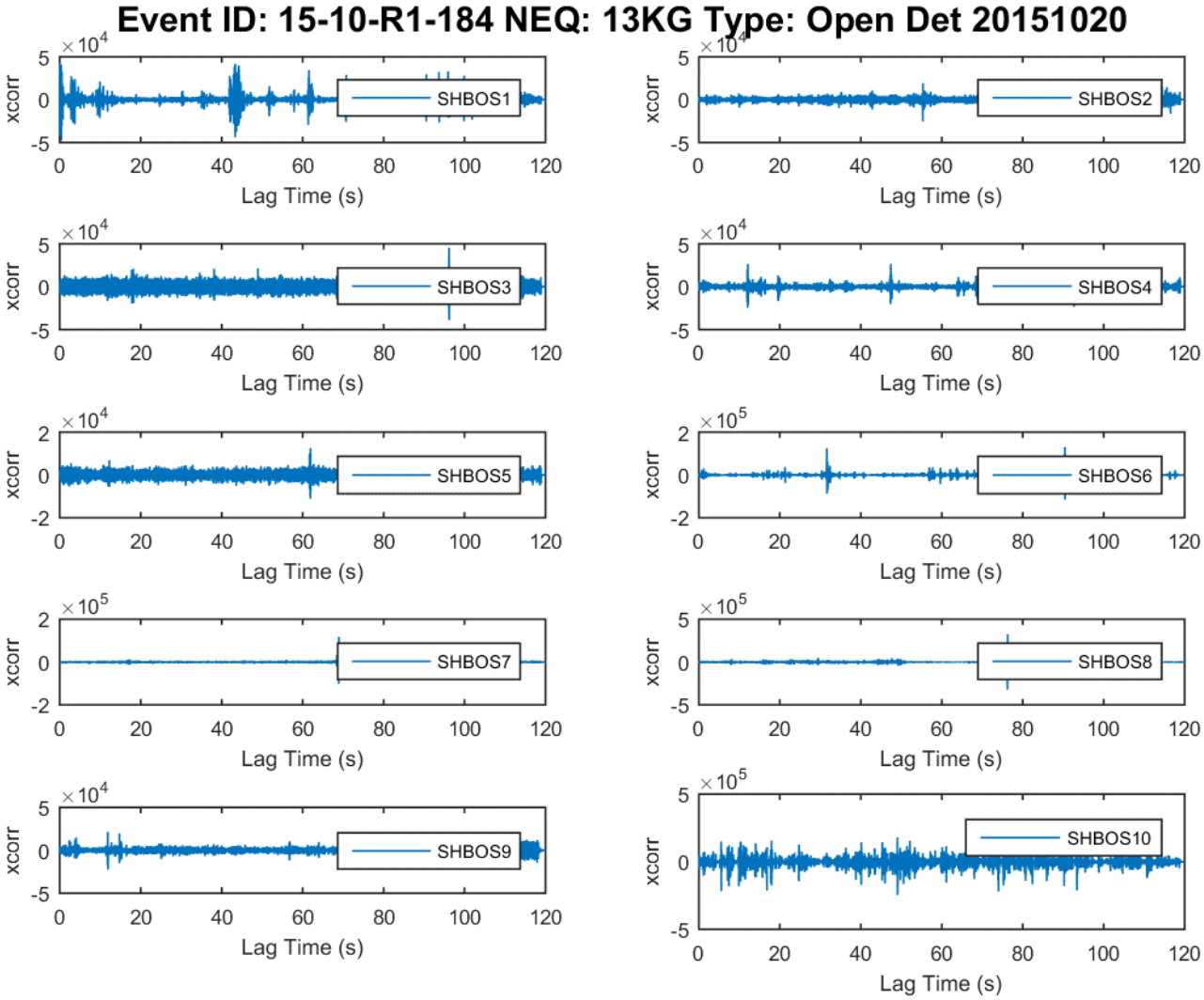
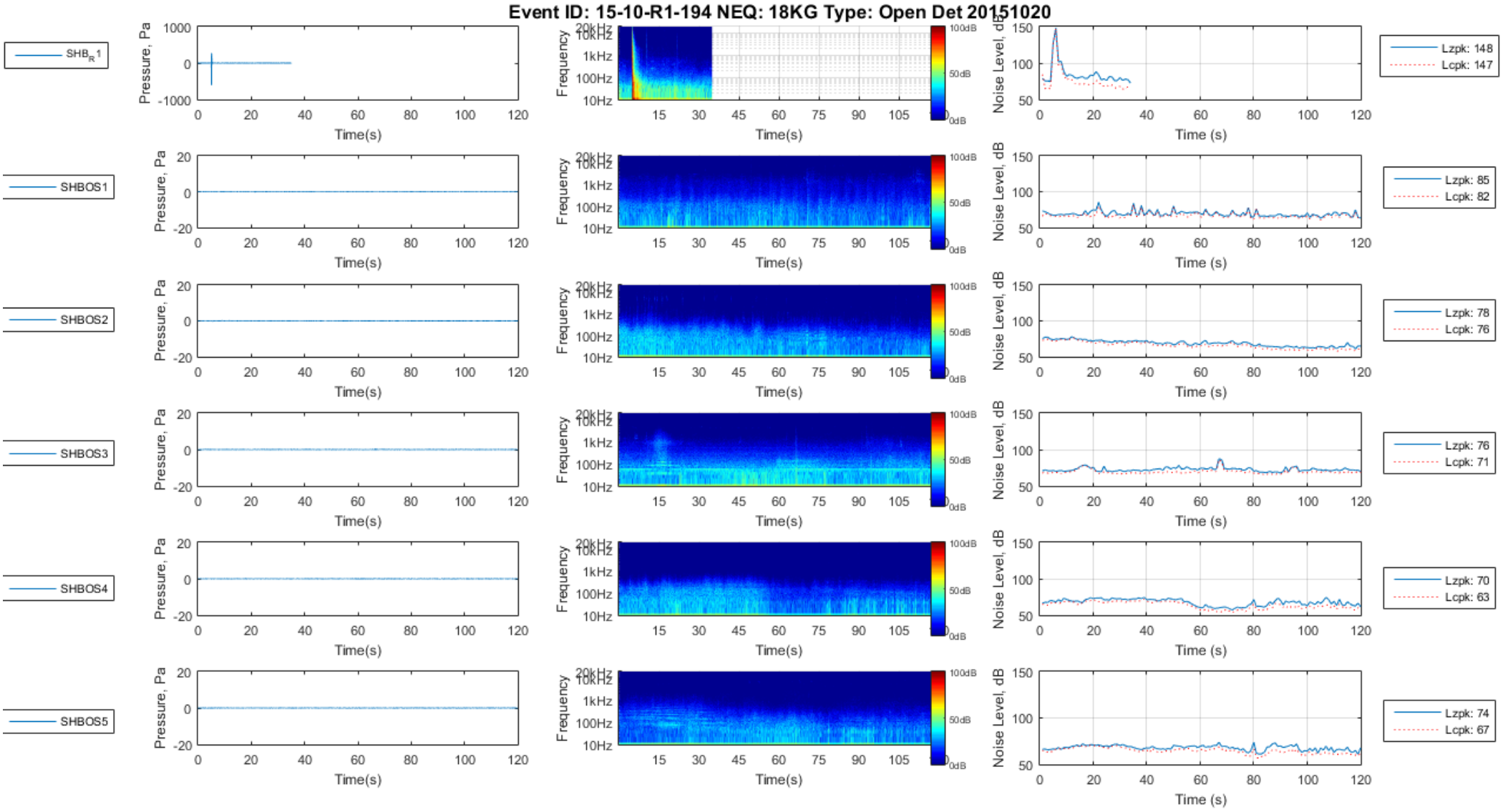
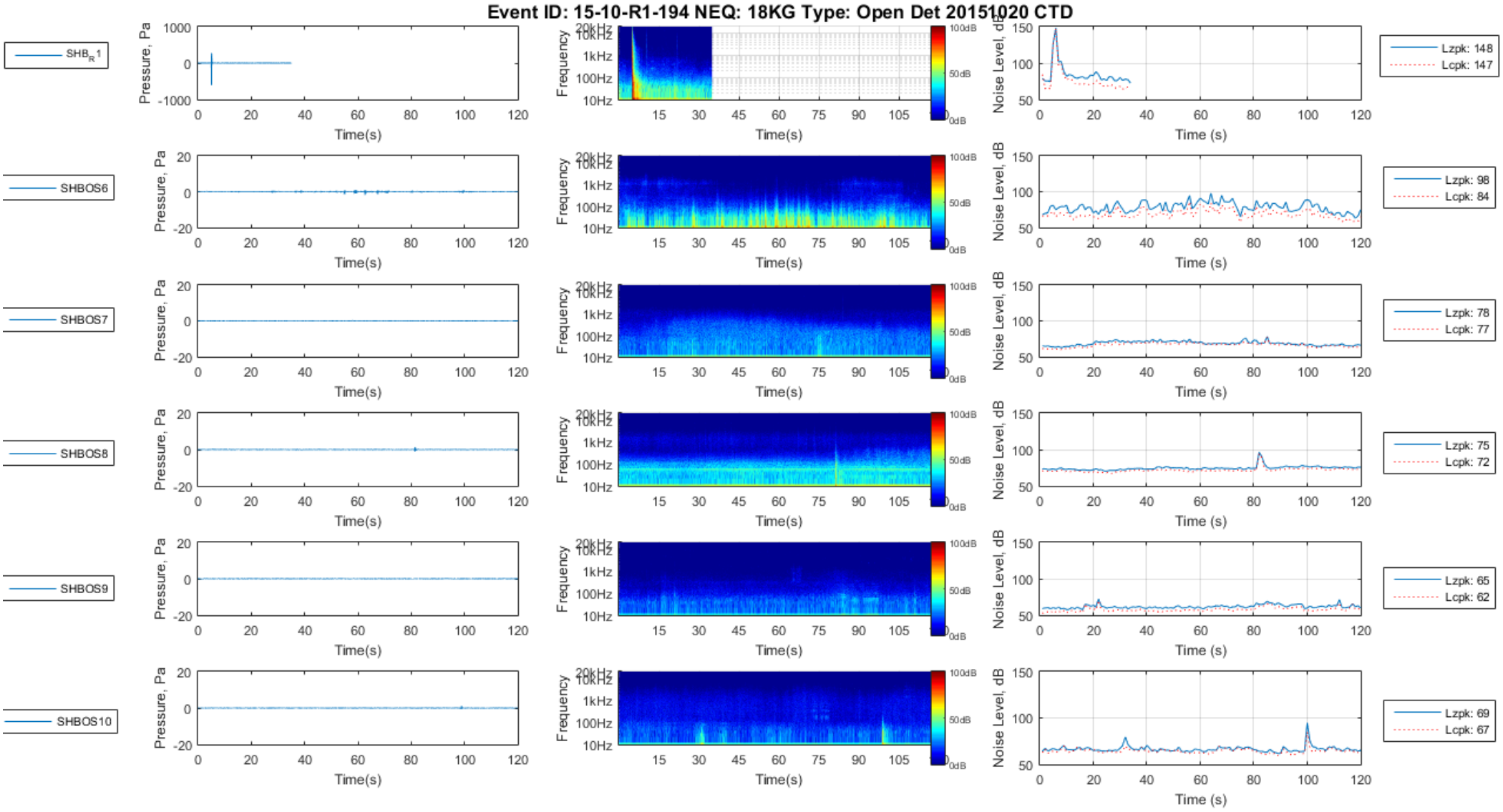


FIGURE 2.1360: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-184


Event ID: 15-10-R1-194 NEQ: 18KG Type: Open Det 20151020
SHB_R 1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 148
Lcpk: 147
Lzpk: 85
Lcpk: 82
Lzpk: 78
Lcpk: 76
Lzpk: 76
Lcpk: 71
Lzpk: 70
Lcpk: 63
Lzpk: 74
Lcpk: 67


Event ID: 15-10-R1-194 NEQ: 18KG Type: Open Det 20151020 CTD
SHB_R 1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Frequency
Noise Level, dB
Time(s)
Time (s)
Lzpk: 148
Lcpk: 147
Lzpk: 98
Lcpk: 84
Lzpk: 78
Lcpk: 77
Lzpk: 75
Lcpk: 72
Lzpk: 65
Lcpk: 62
Lzpk: 69
Lcpk: 67

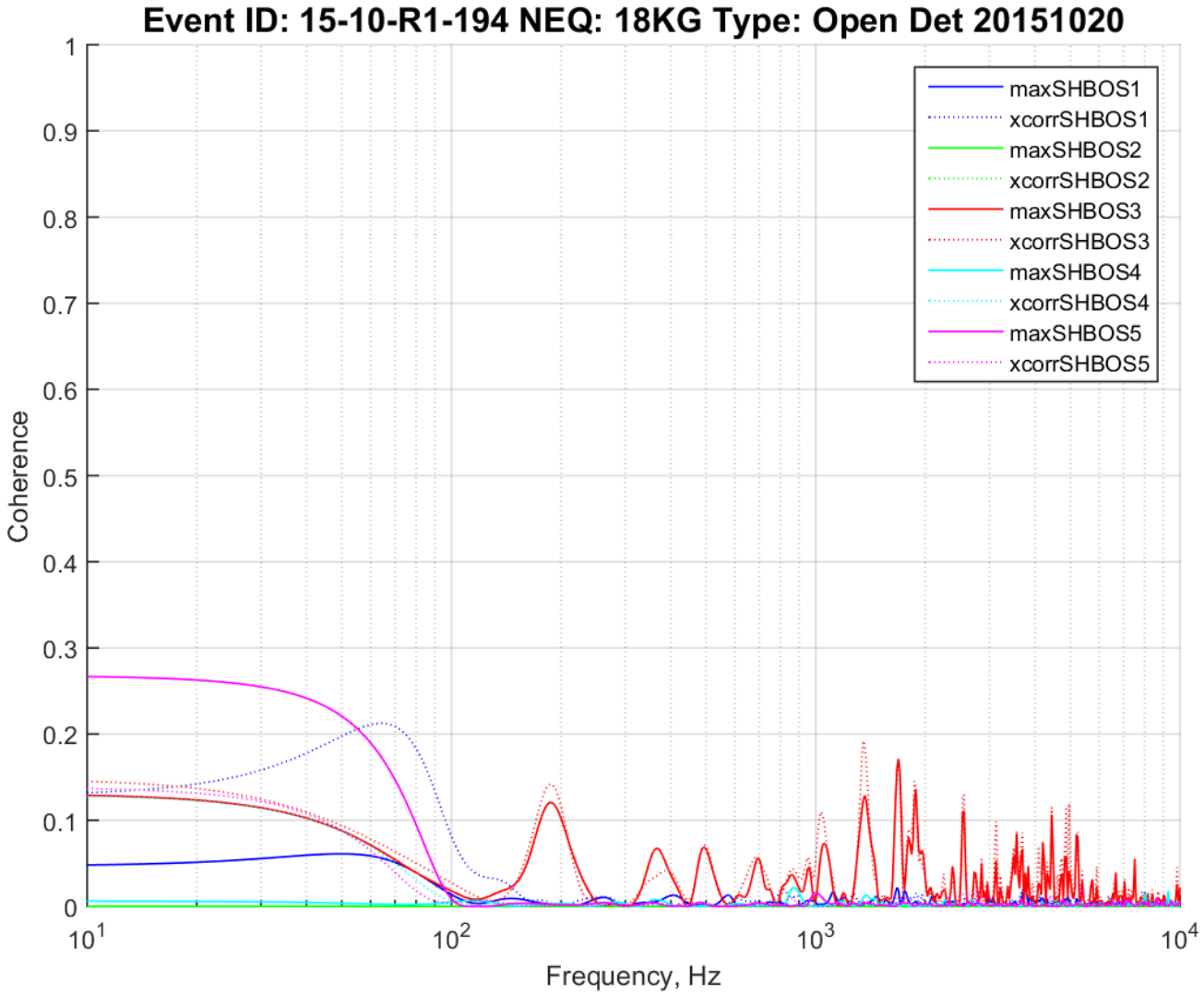


FIGURE 2.1363: COHERENCE SHB_OS 1 - 5 15-10-R1-194

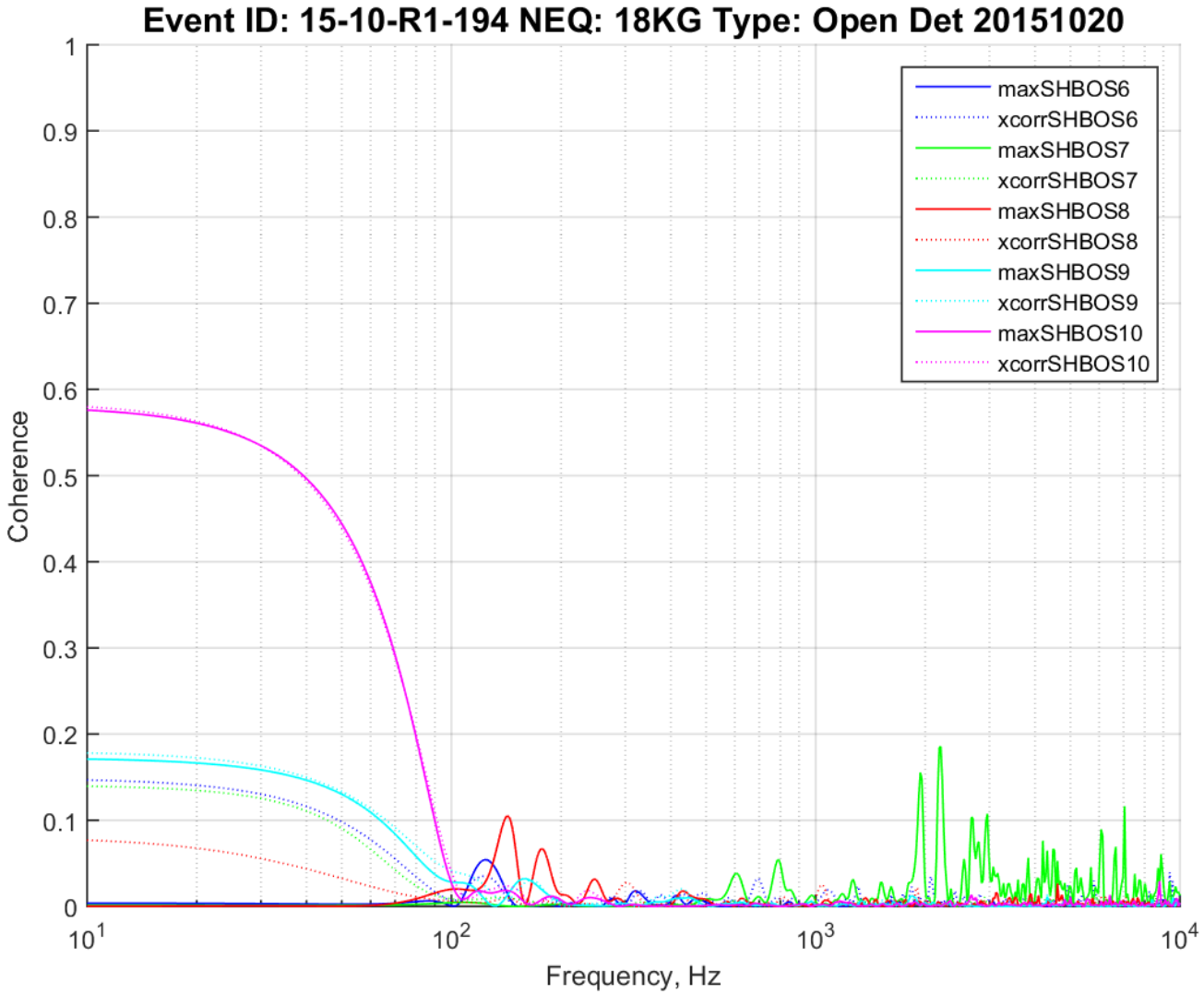


FIGURE 2.1364: COHERENCE SHB_OS 6 - 10 15-10-R1-194CTD

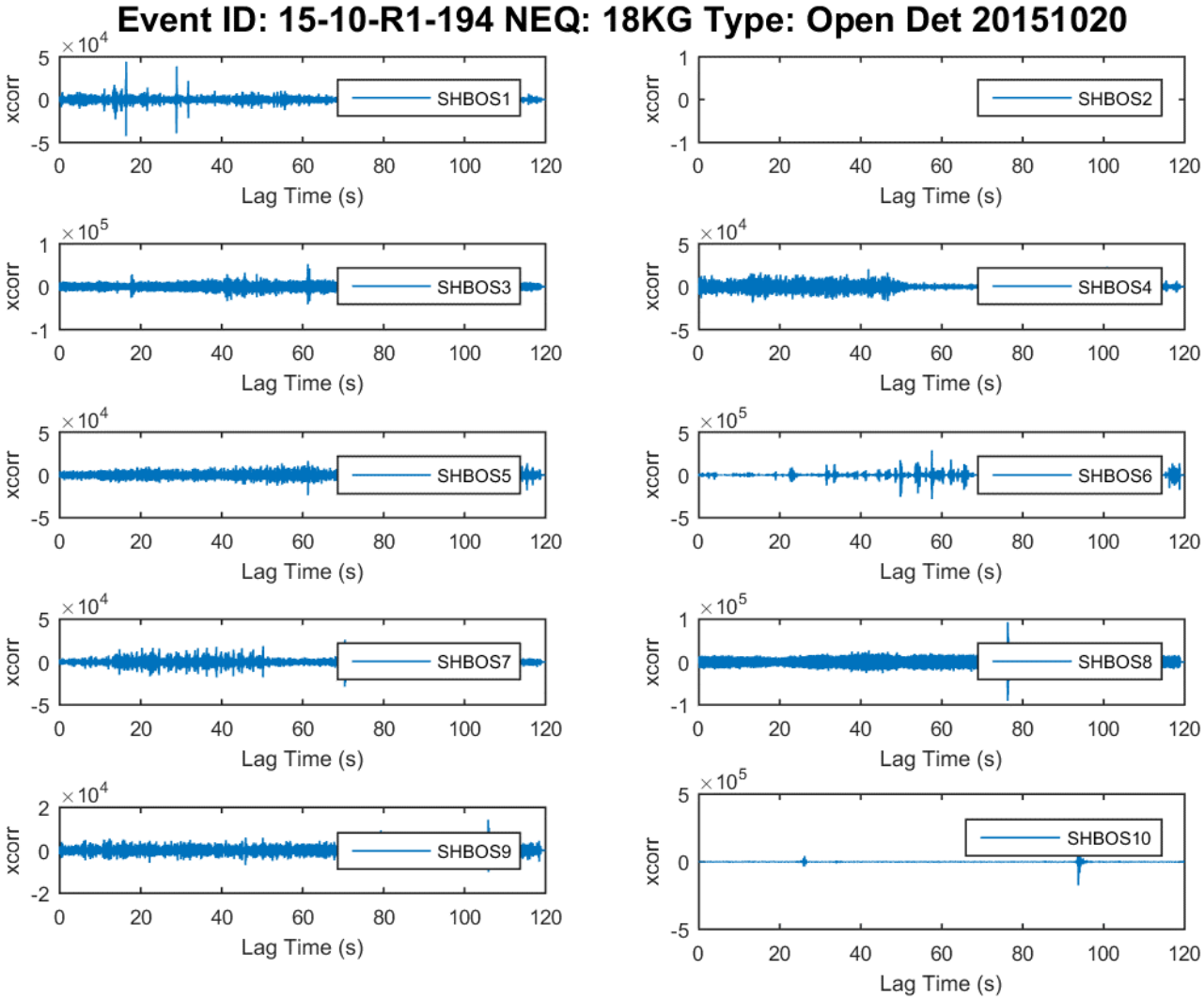
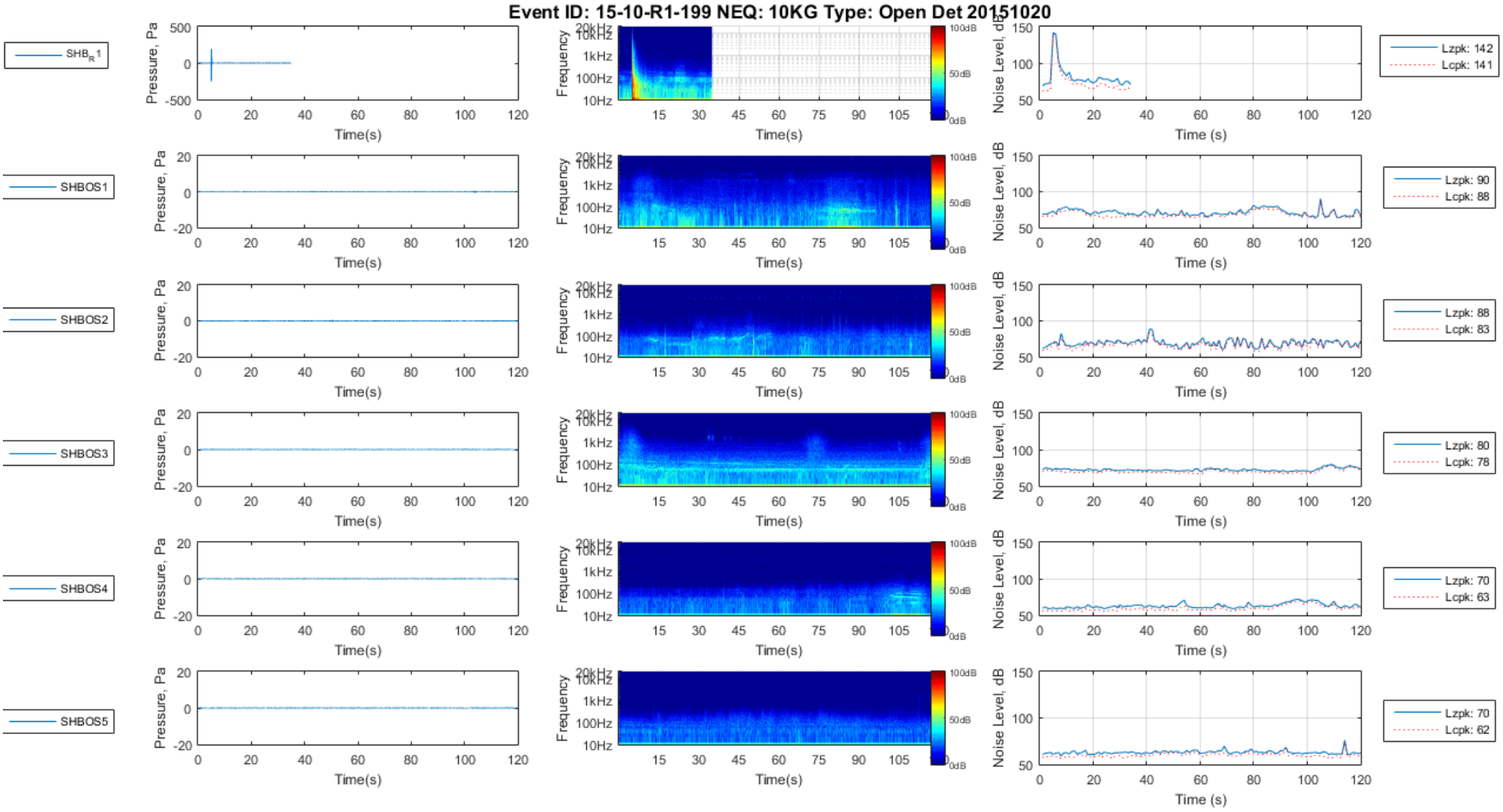
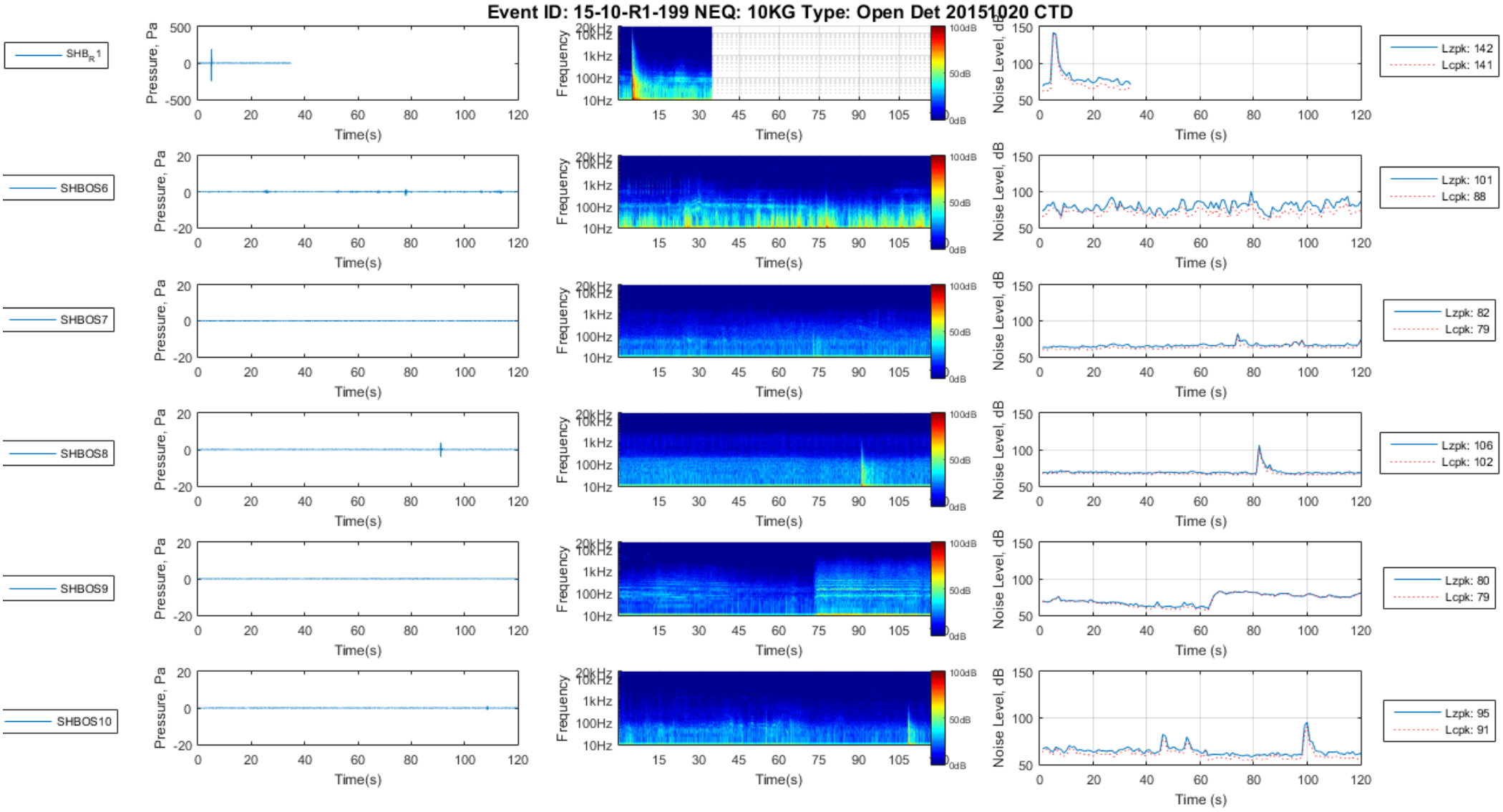


FIGURE 2.1365: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-194


Event ID: 15-10-R1-199 NEQ: 10KG Type: Open Det 20151020
SHB_R 1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 142
Lcpk: 141
Lzpk: 90
Lcpk: 88
Lzpk: 88
Lcpk: 83
Lzpk: 80
Lcpk: 78
Lzpk: 70
Lcpk: 63
Lzpk: 70
Lcpk: 62


Event ID: 15-10-R1-199 NEQ: 10KG Type: Open Det 20151020 CTD
SHB_R^1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 142
Lcpk: 141
Lzpk: 101
Lcpk: 88
Lzpk: 82
Lcpk: 79
Lzpk: 106
Lcpk: 102
Lzpk: 80
Lcpk: 79
Lzpk: 95
Lcpk: 91

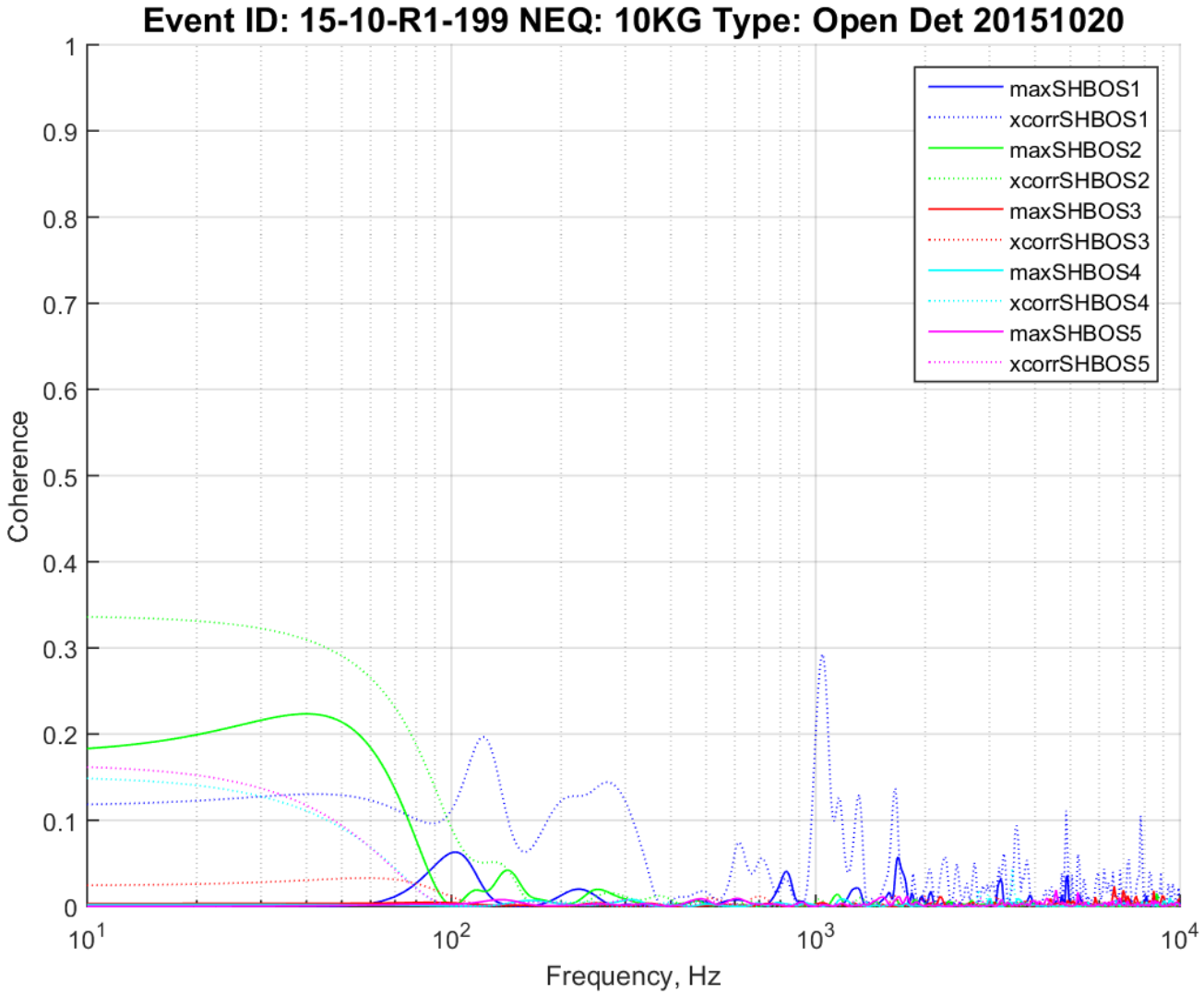


FIGURE 2.1368: COHERENCE SHB_OS 1 - 5 15-10-R1-199

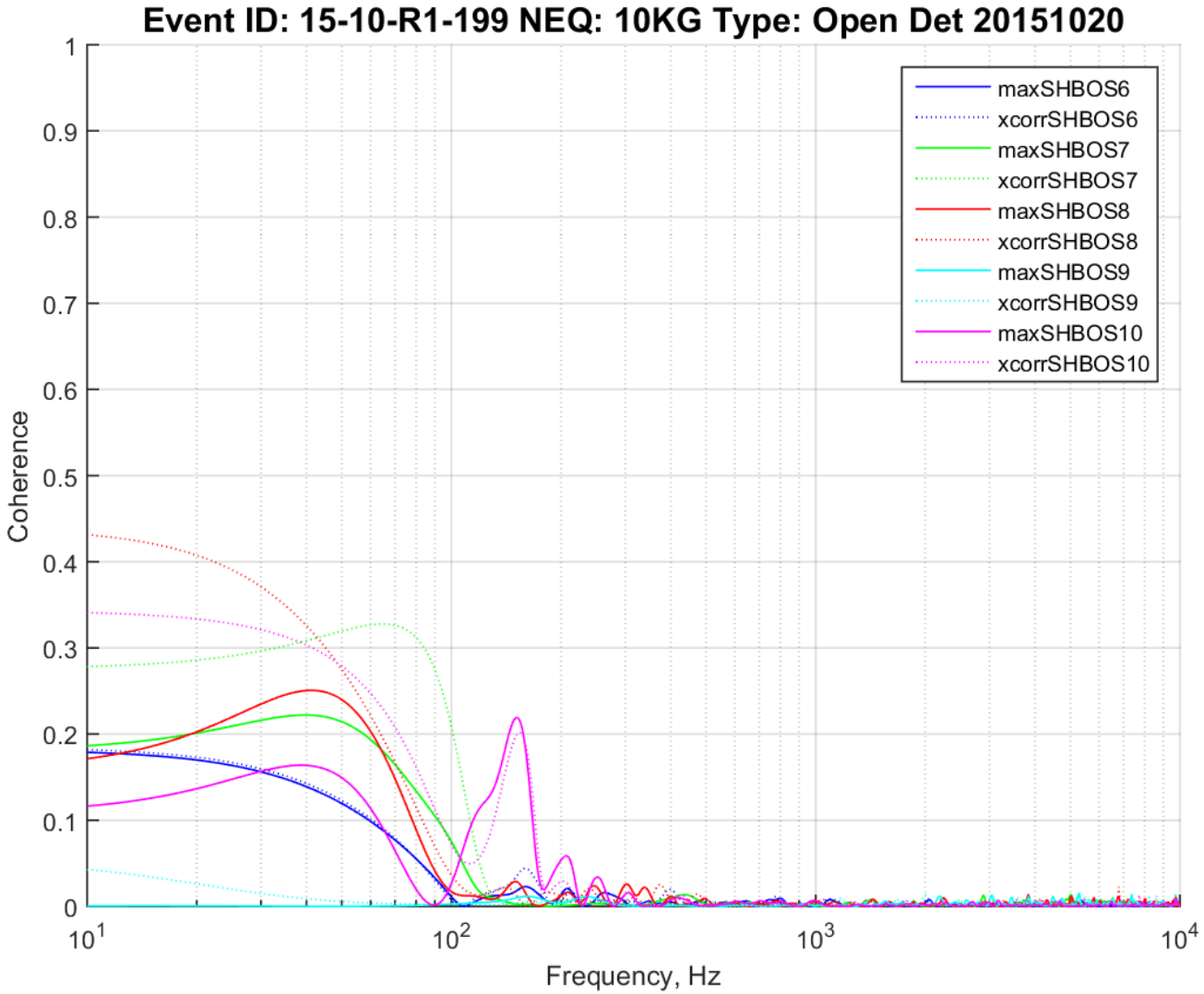


FIGURE 2.1369: COHERENCE SHB_OS 6 - 10 15-10-R1-199CTD

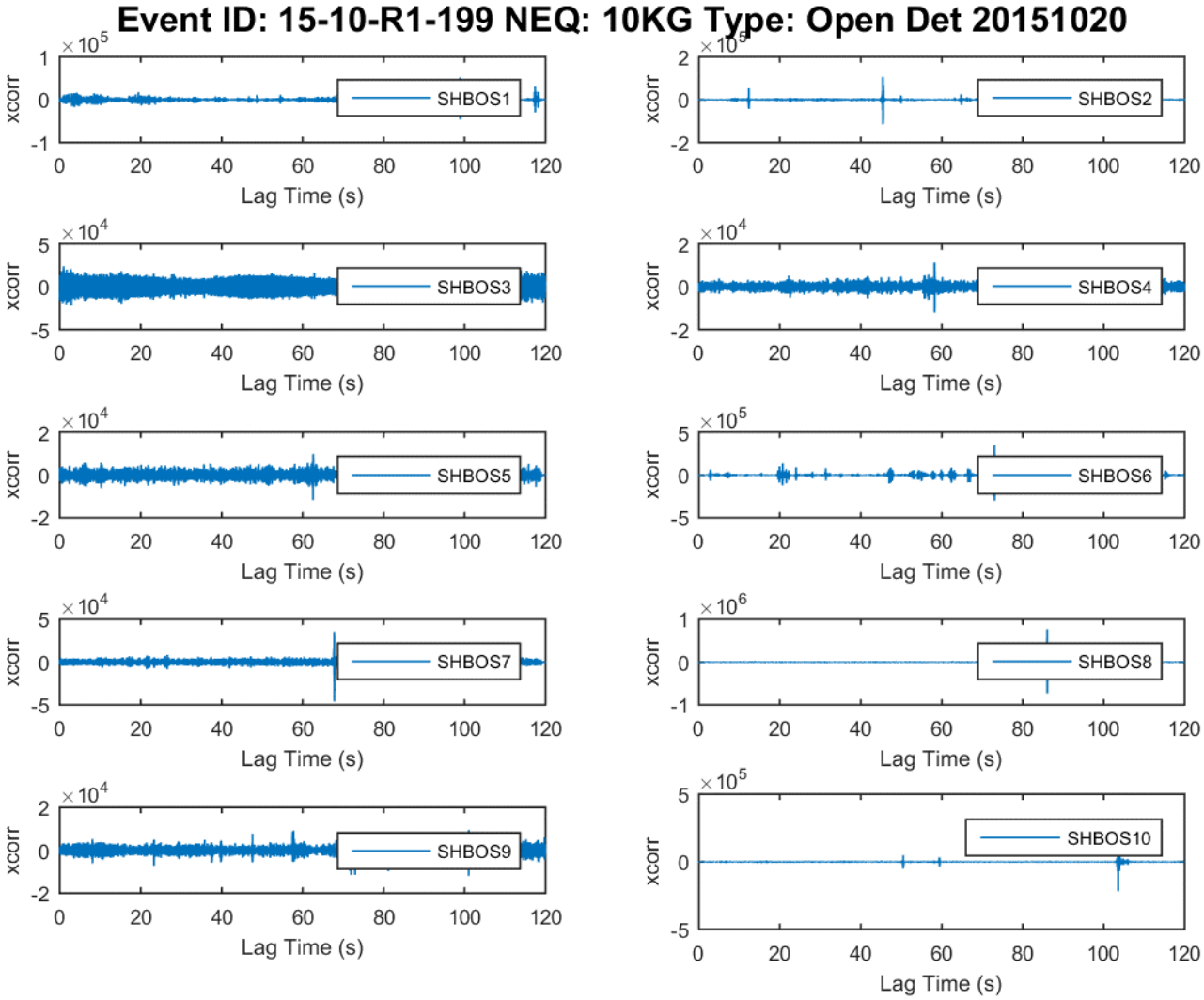
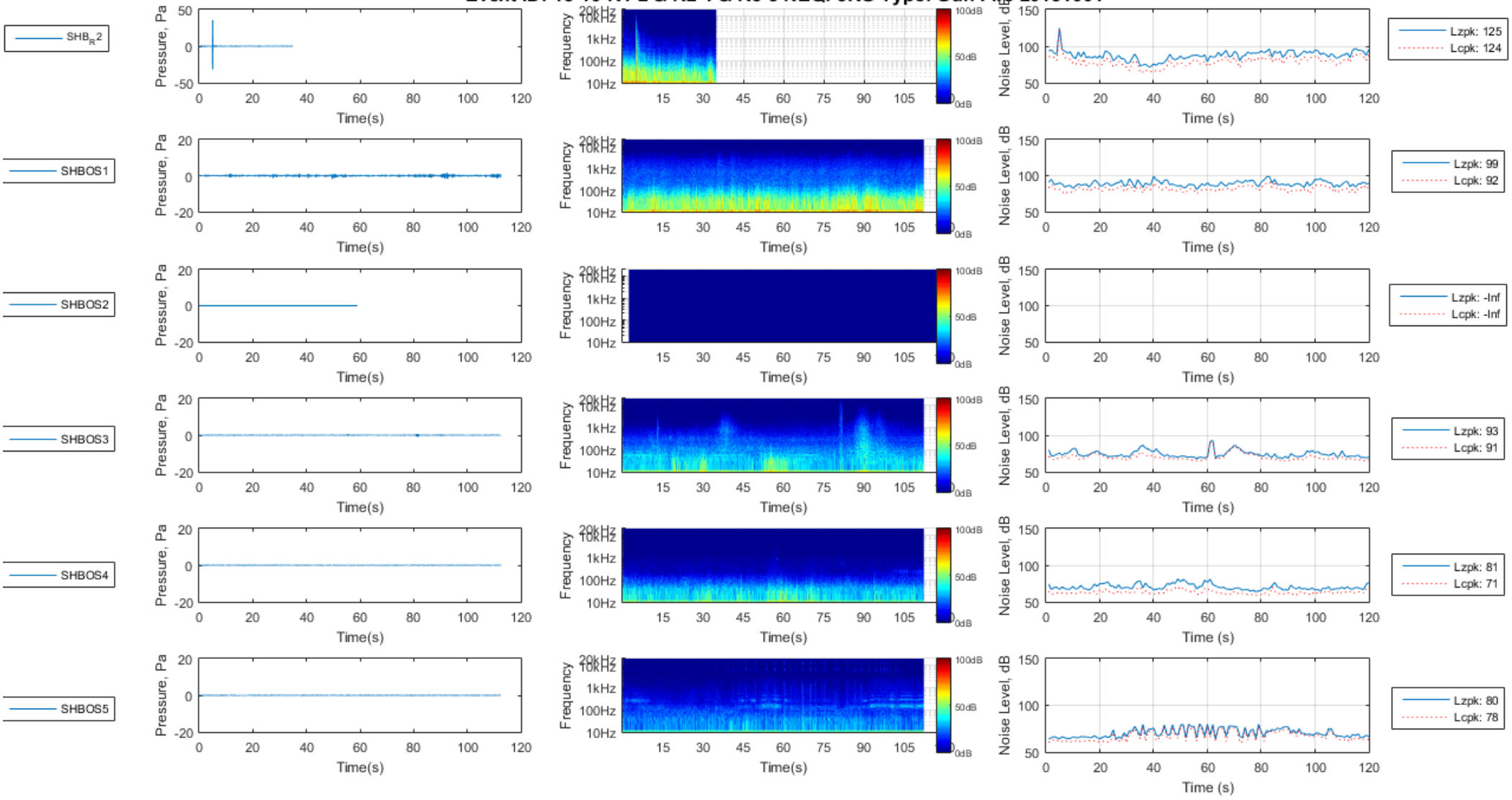
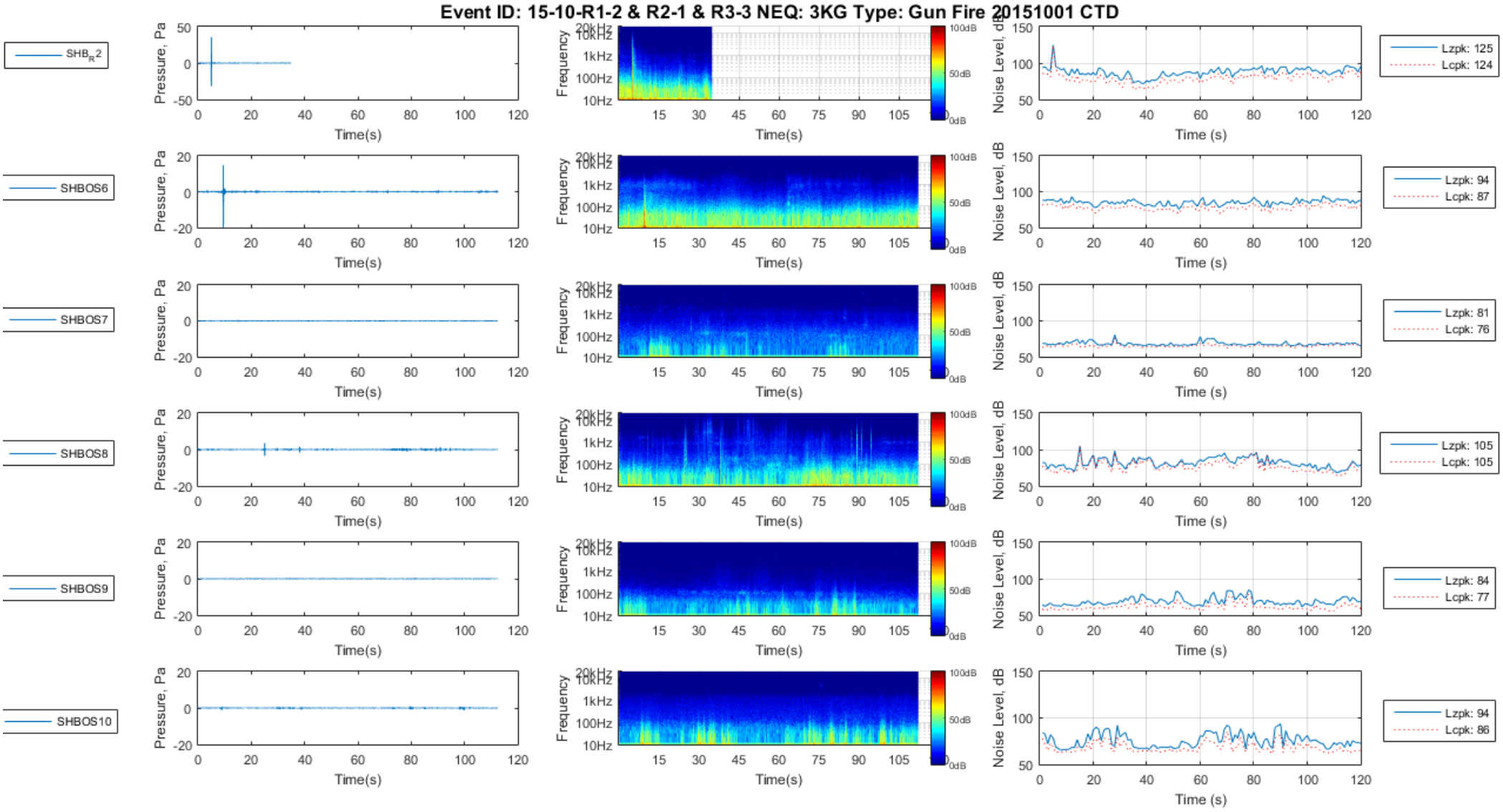


FIGURE 2.1370: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-199


Event ID: 15-10-R1-2 & R2-1 & R3-3 NEQ: 3KG Type: Gun Fire 20151001
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 125
Lcpk: 124
Lzpk: 99
Lcpk: 92
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 93
Lcpk: 91
Lzpk: 81
Lcpk: 71
Lzpk: 80
Lcpk: 78


Event ID: 15-10-R1-2 & R2-1 & R3-3 NEQ: 3KG Type: Gun Fire 20151001 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 125
Lcpk: 124
Lzpk: 94
Lcpk: 87
Lzpk: 81
Lcpk: 76
Lzpk: 105
Lcpk: 105
Lzpk: 84
Lcpk: 77
Lzpk: 94
Lcpk: 86

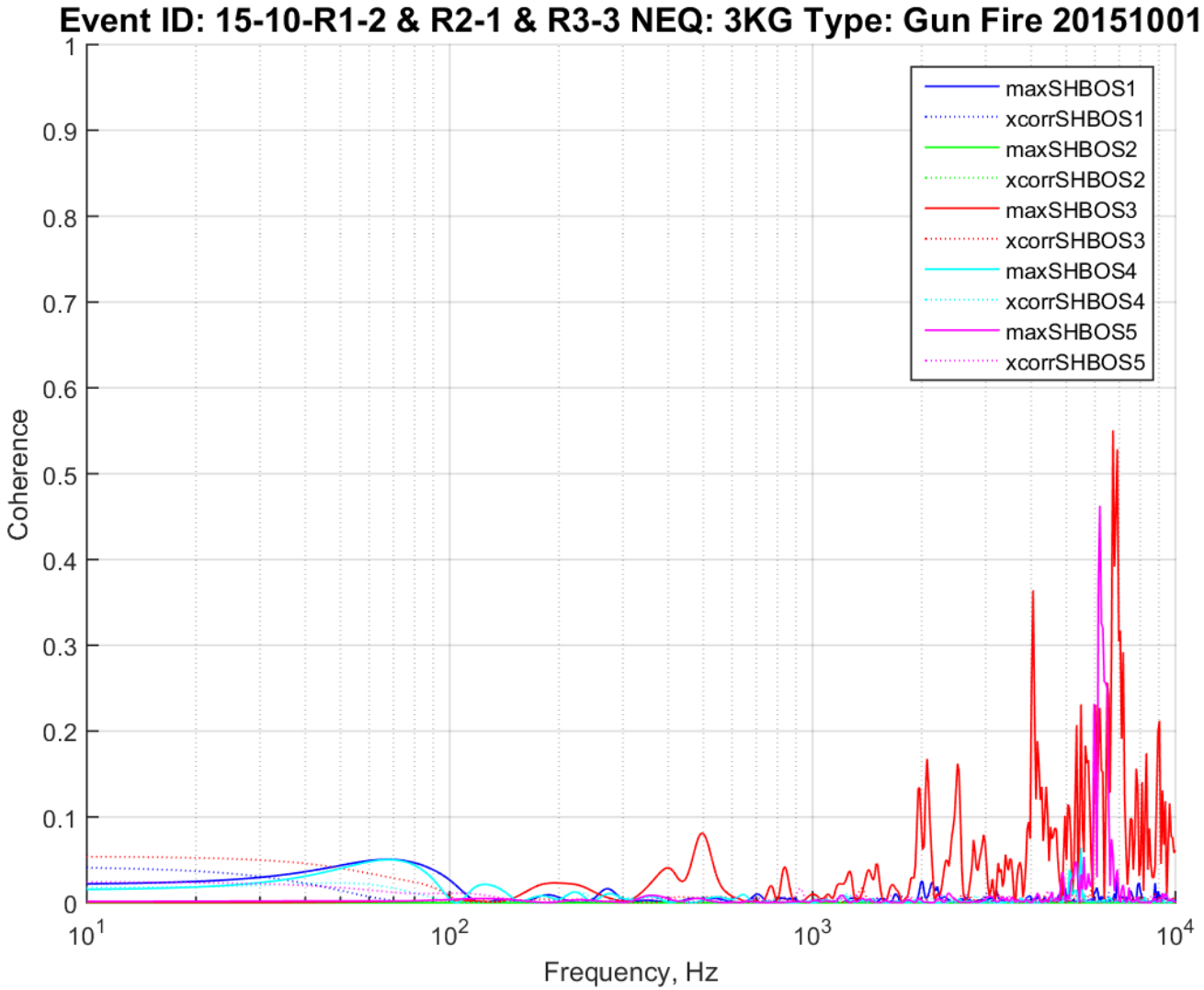


FIGURE 2.1373: COHERENCE SHB_OS 1 - 5 15-10-R1-2 & R2-1 & R3-3

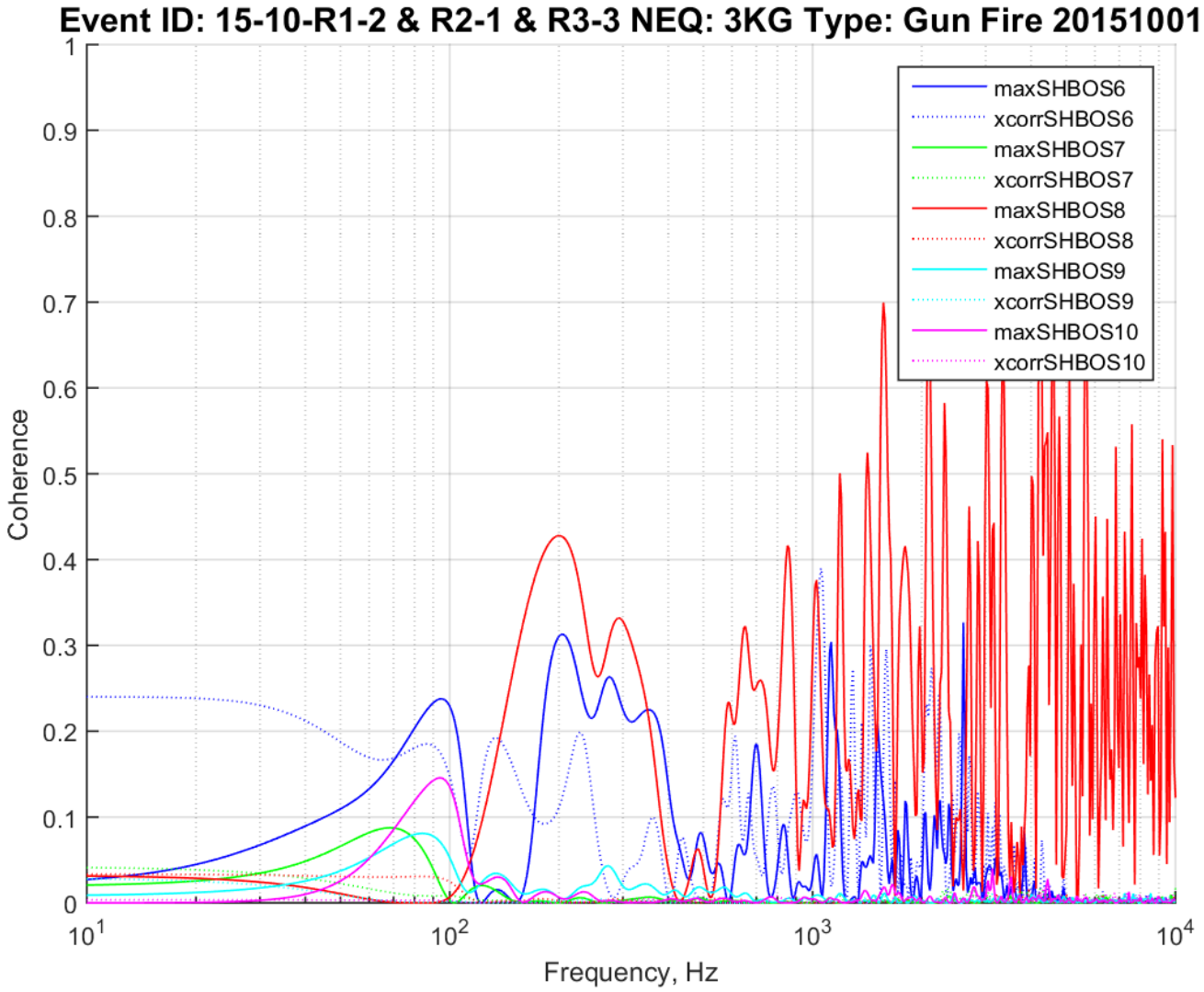


FIGURE 2.1374: COHERENCE SHB_OS 6 - 10 15-10-R1-2 & R2-1 & R3-3CTD

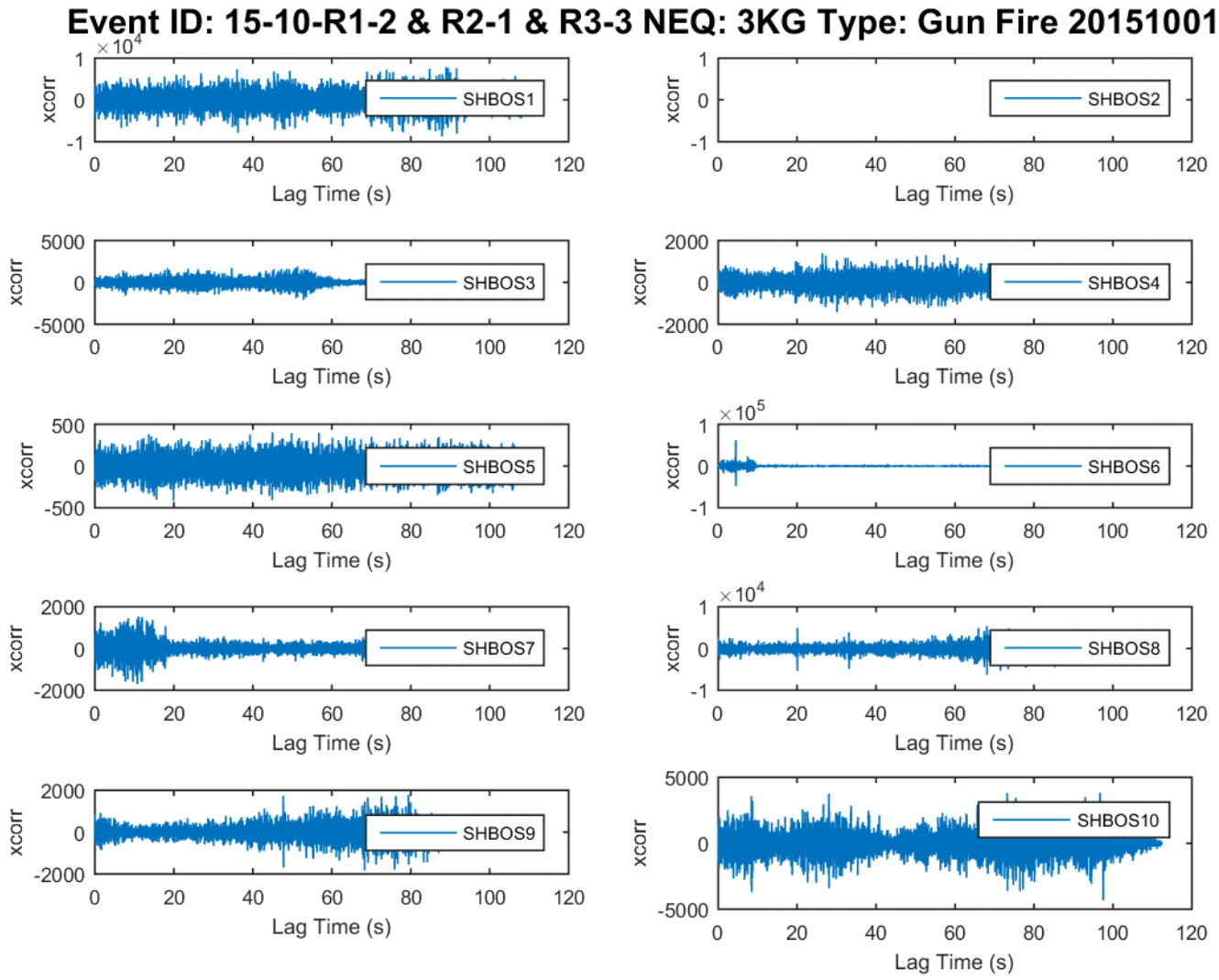
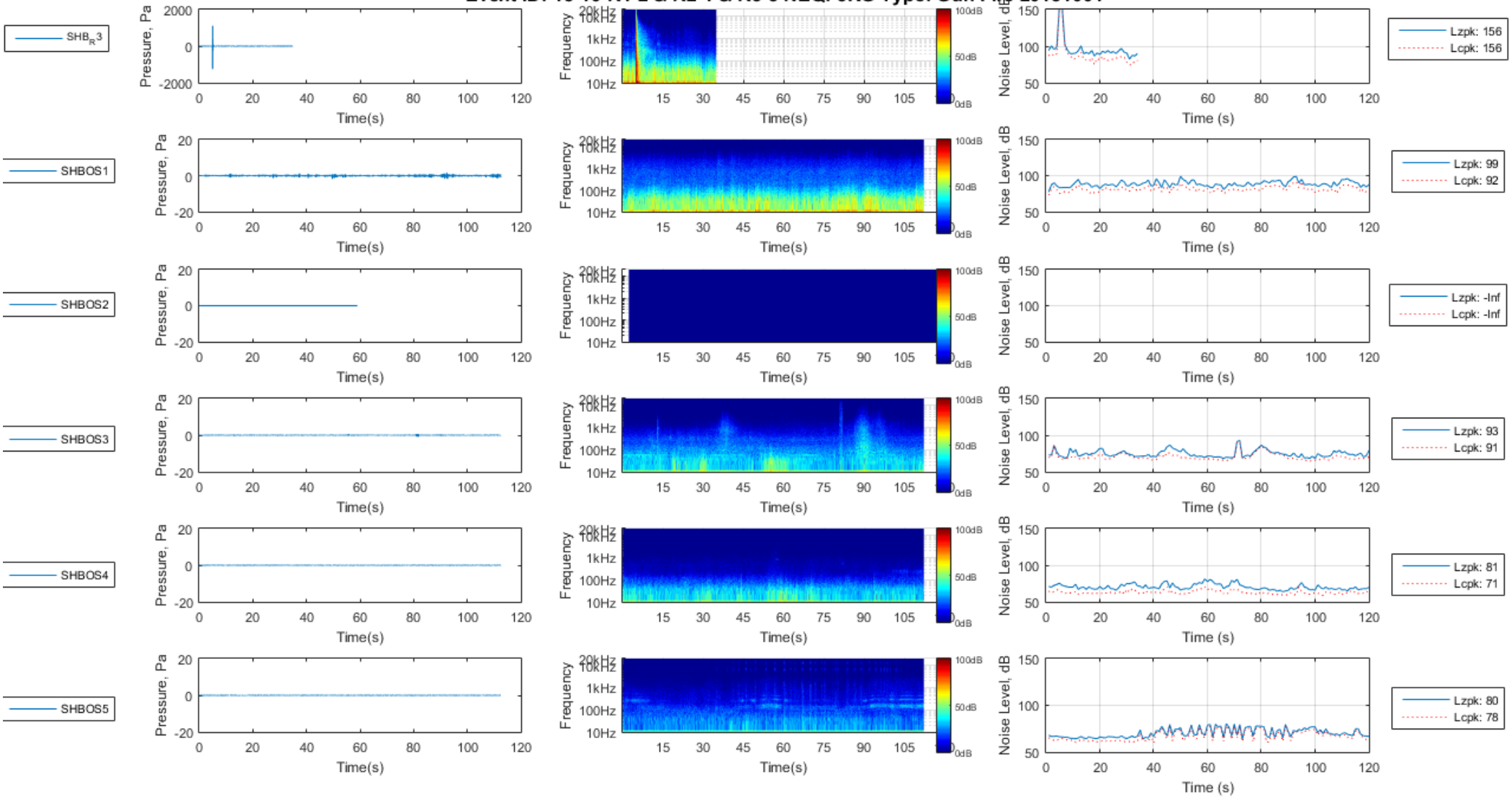
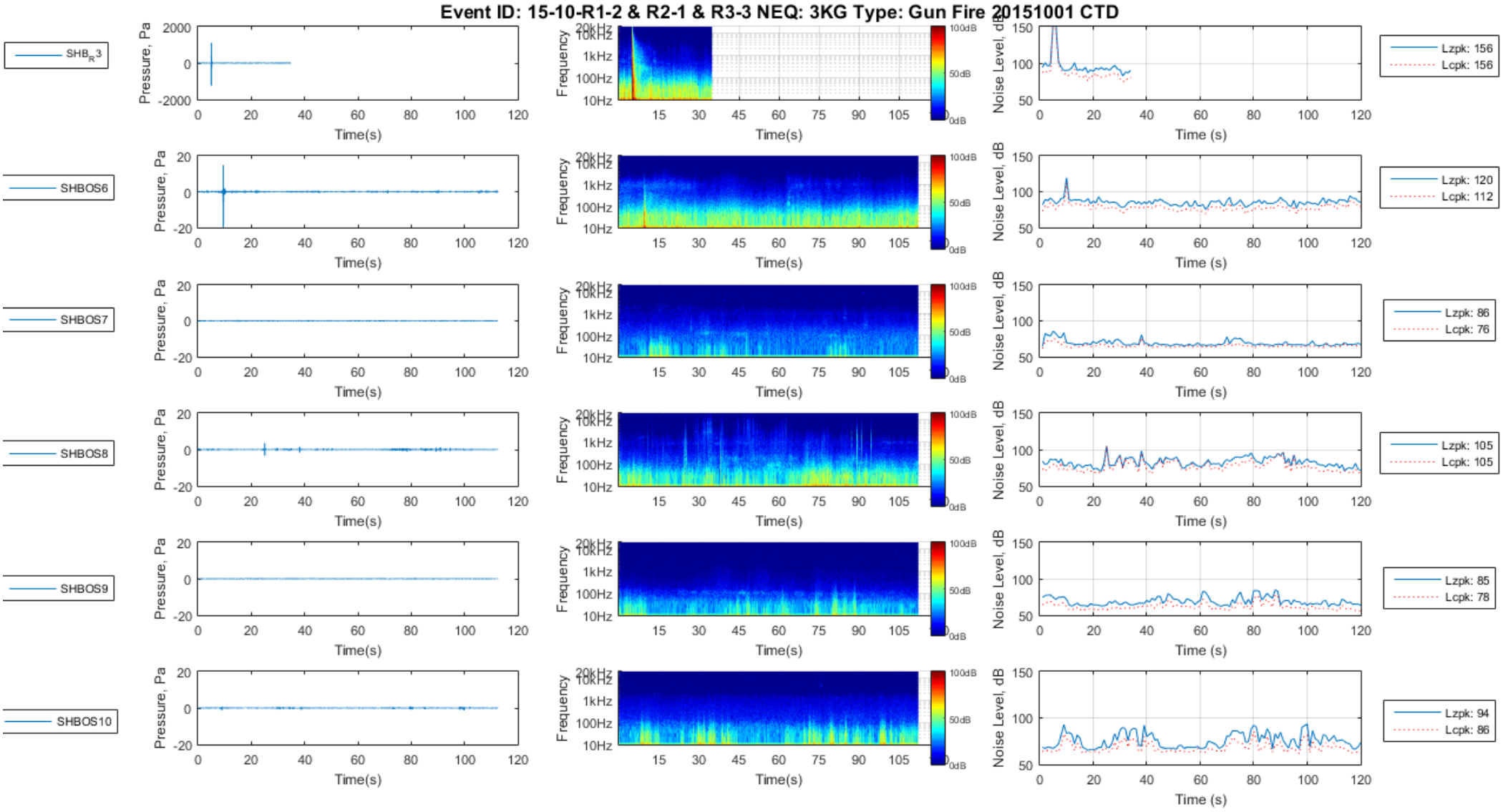


FIGURE 2.1375: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-2 & R2-1 & R3-3


Event ID: 15-10-R1-2 & R2-1 & R3-3 NEQ: 3KG Type: Gun Fire 20151001
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
Noise Level, dB
Time (s)
Lzpk: 156
Lcpk: 156
Lzpk: 99
Lcpk: 92
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 93
Lcpk: 91
Lzpk: 81
Lcpk: 71
Lzpk: 80
Lcpk: 78


Event ID: 15-10-R1-2 & R2-1 & R3-3 NEQ: 3KG Type: Gun Fire 20151001 CTD
SHB$_R$3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 156
Lcpk: 156
Lzpk: 120
Lcpk: 112
Lzpk: 86
Lcpk: 76
Lzpk: 105
Lcpk: 105
Lzpk: 85
Lcpk: 78
Lzpk: 94
Lcpk: 86

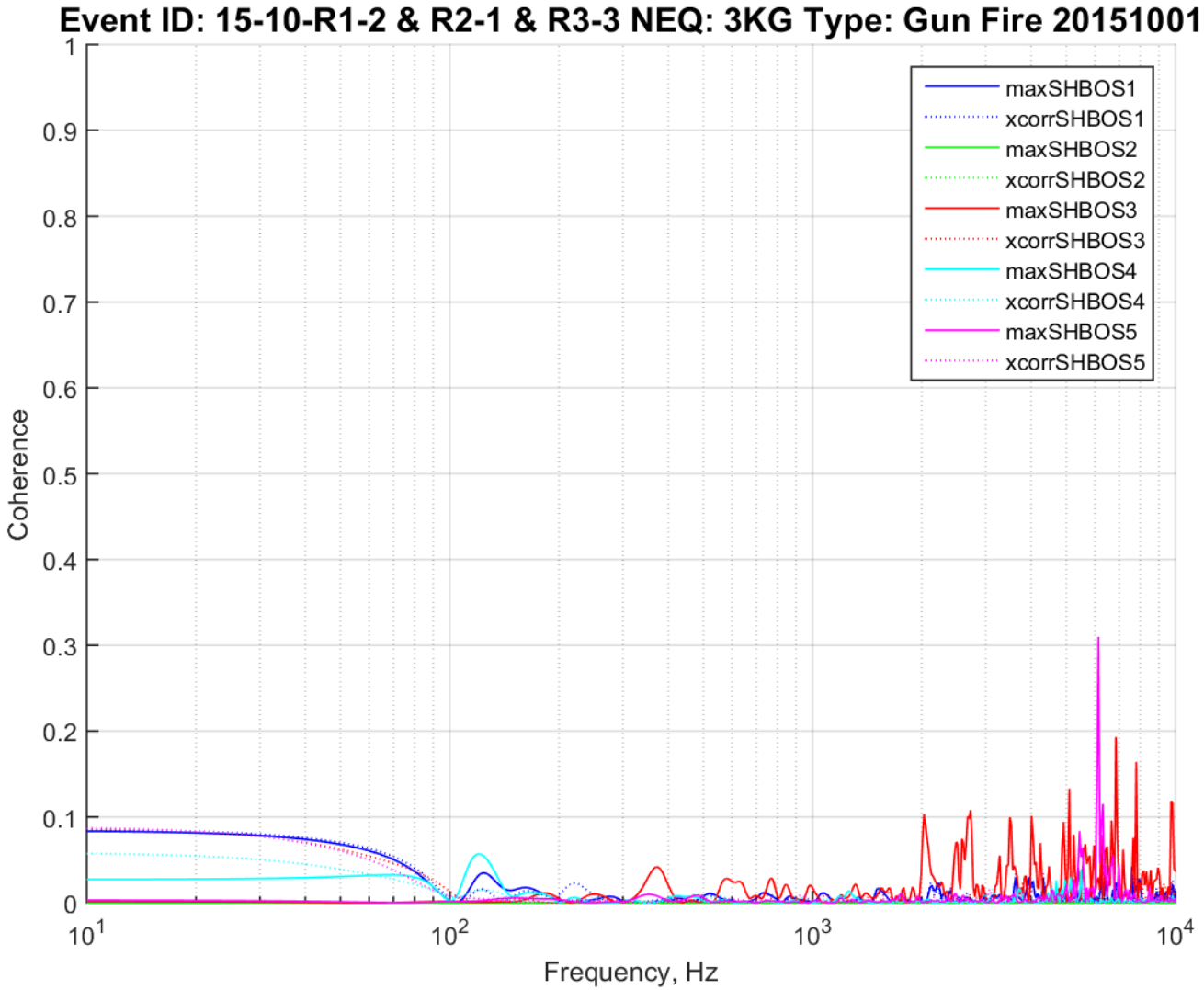


FIGURE 2.1378: COHERENCE SHB_OS 1 - 5 15-10-R1-2 & R2-1 & R3-3

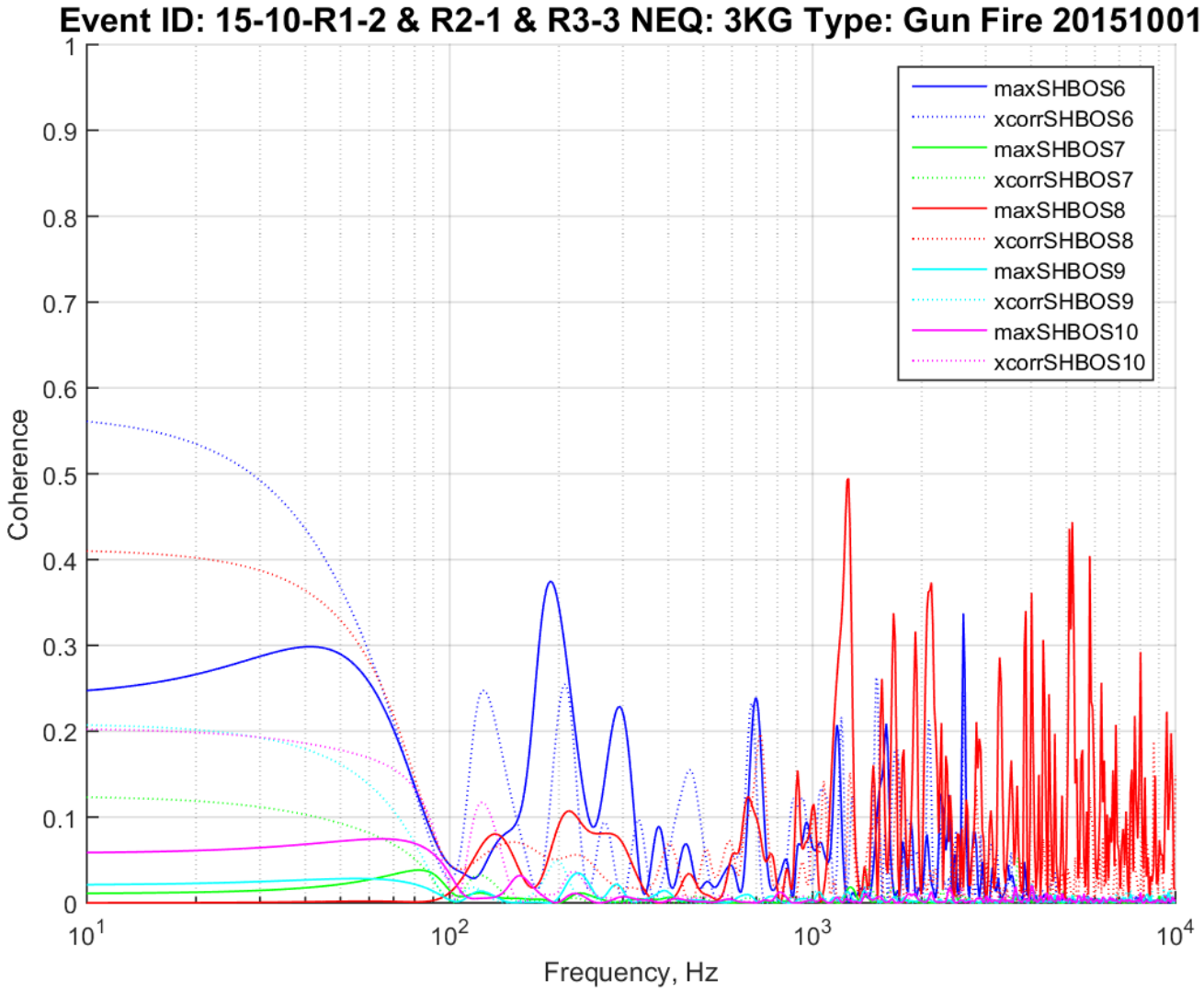


FIGURE 2.1379: COHERENCE SHB_OS 6 - 10 15-10-R1-2 & R2-1 & R3-3CTD

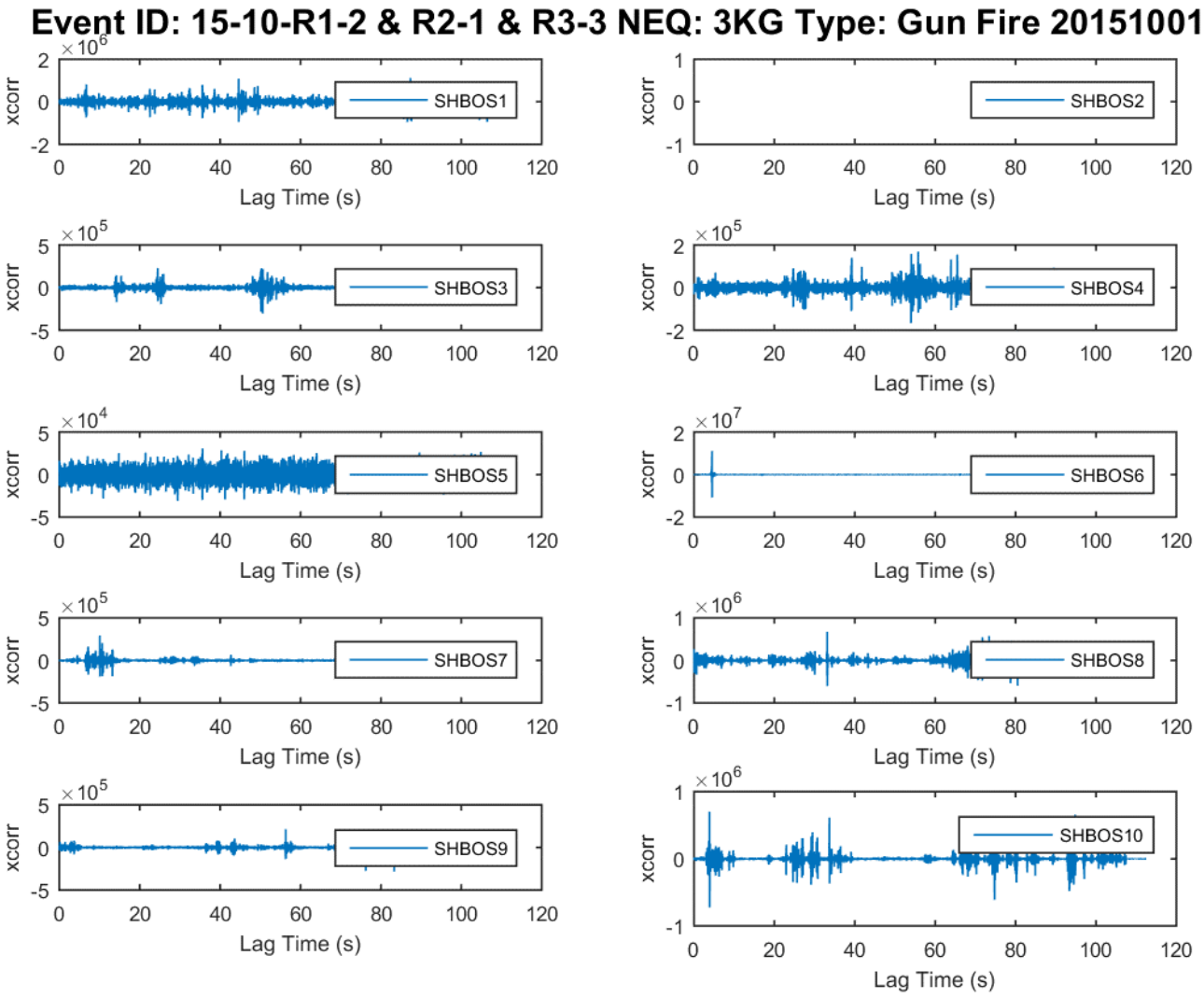
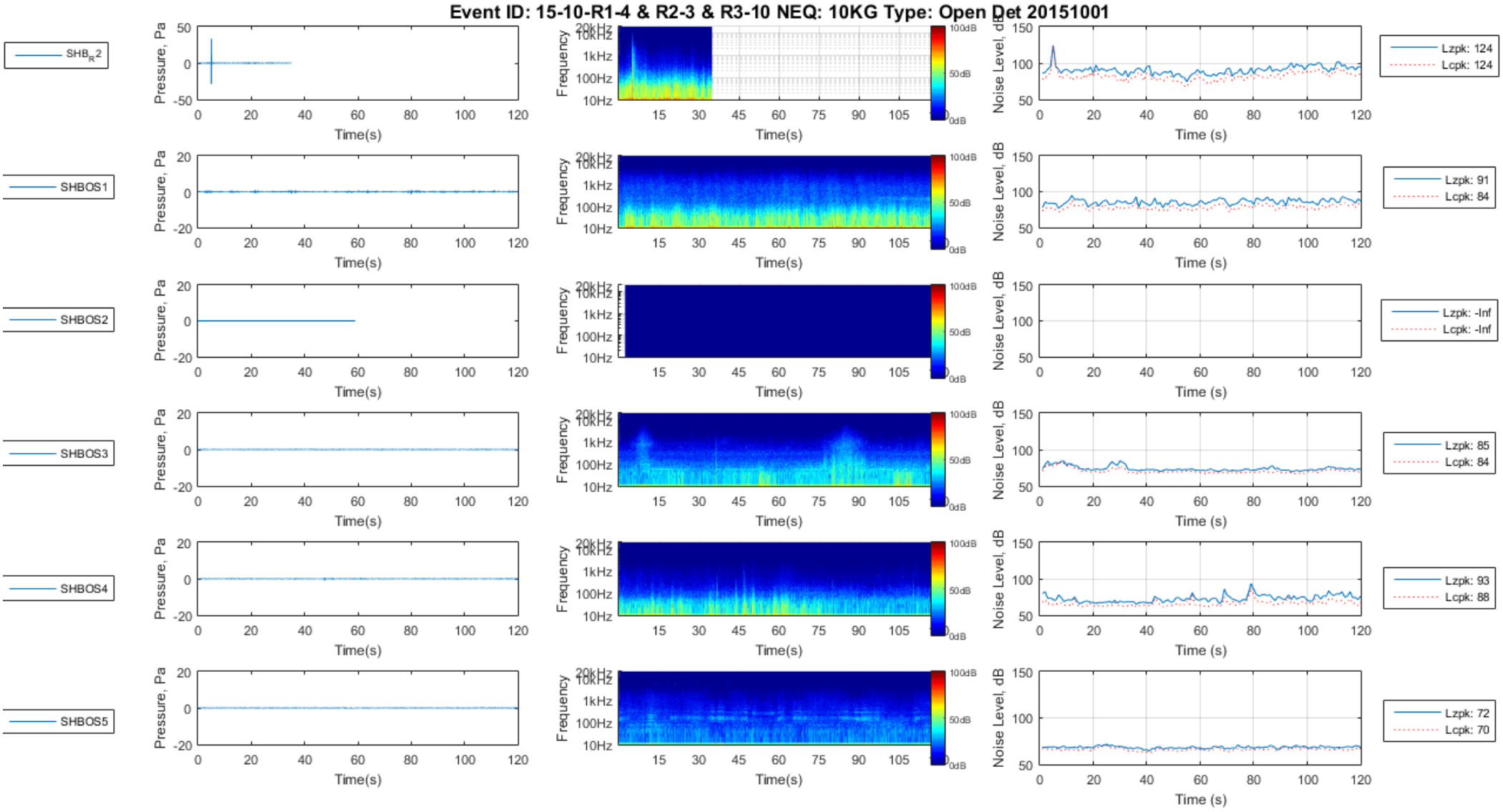
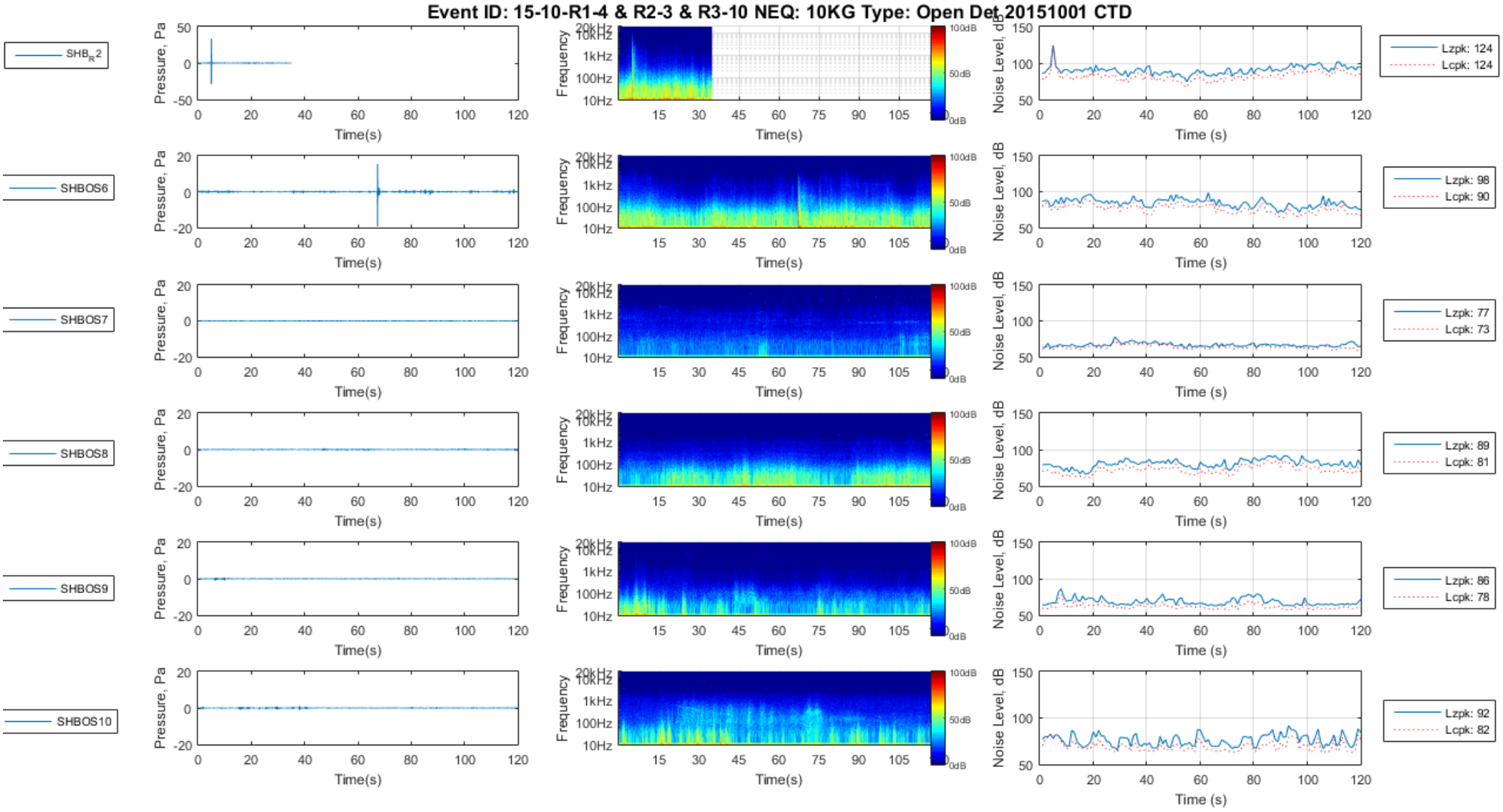


FIGURE 2.1380: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-2 & R2-1 & R3-3


Event ID: 15-10-R1-4 & R2-3 & R3-10 NEQ: 10KG Type: Open Det 20151001
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 124
Lcpk: 124
Lzpk: 91
Lcpk: 84
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 85
Lcpk: 84
Lzpk: 93
Lcpk: 88
Lzpk: 72
Lcpk: 70


Event ID: 15-10-R1-4 & R2-3 & R3-10 NEQ: 10KG Type: Open Det 20151001 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 124
Lcpk: 124
Lzpk: 98
Lcpk: 90
Lzpk: 77
Lcpk: 73
Lzpk: 89
Lcpk: 81
Lzpk: 86
Lcpk: 78
Lzpk: 92
Lcpk: 82

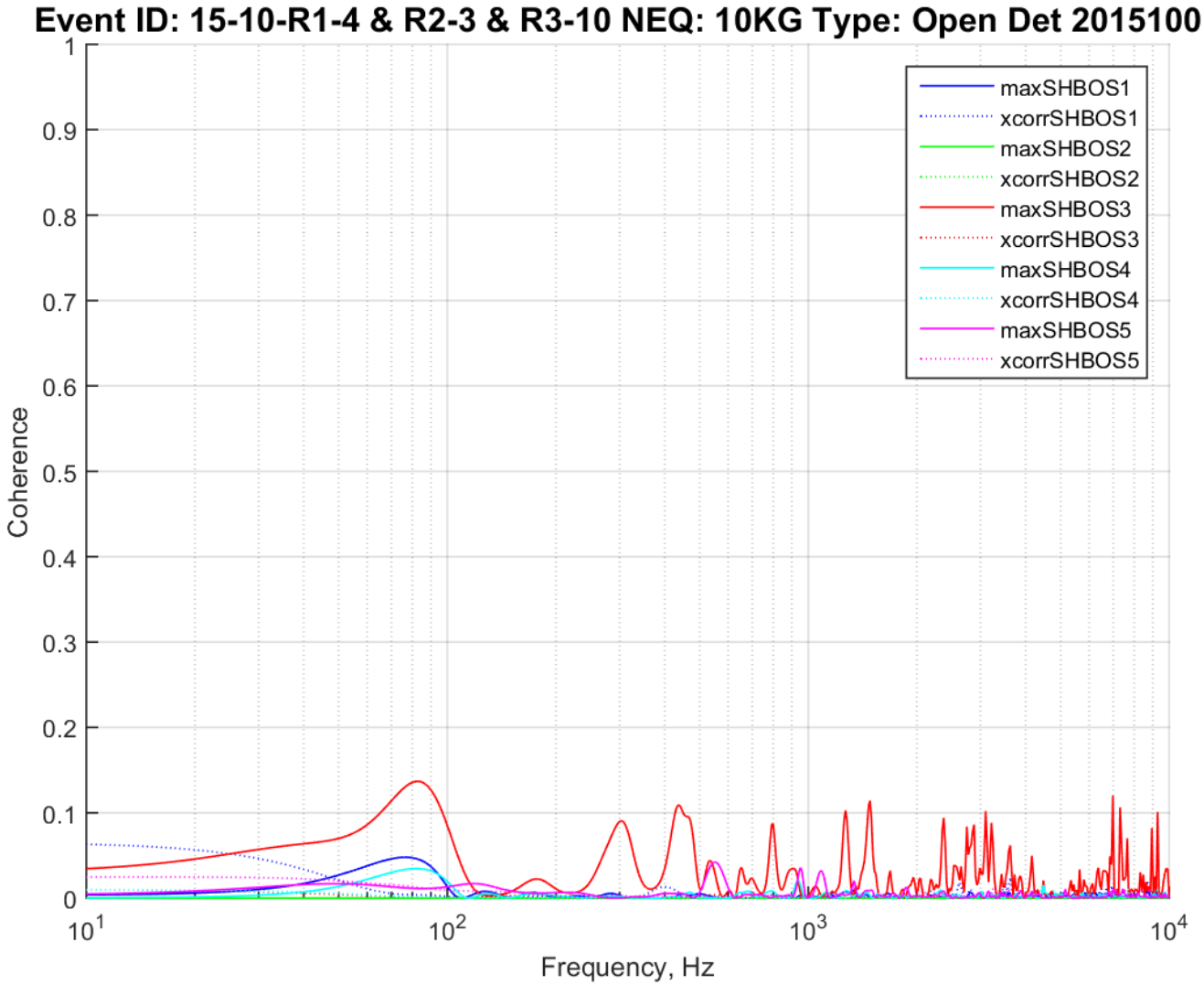


FIGURE 2.1383: COHERENCE SHB_OS 1 - 5 15-10-R1-4 & R2-3 & R3-10

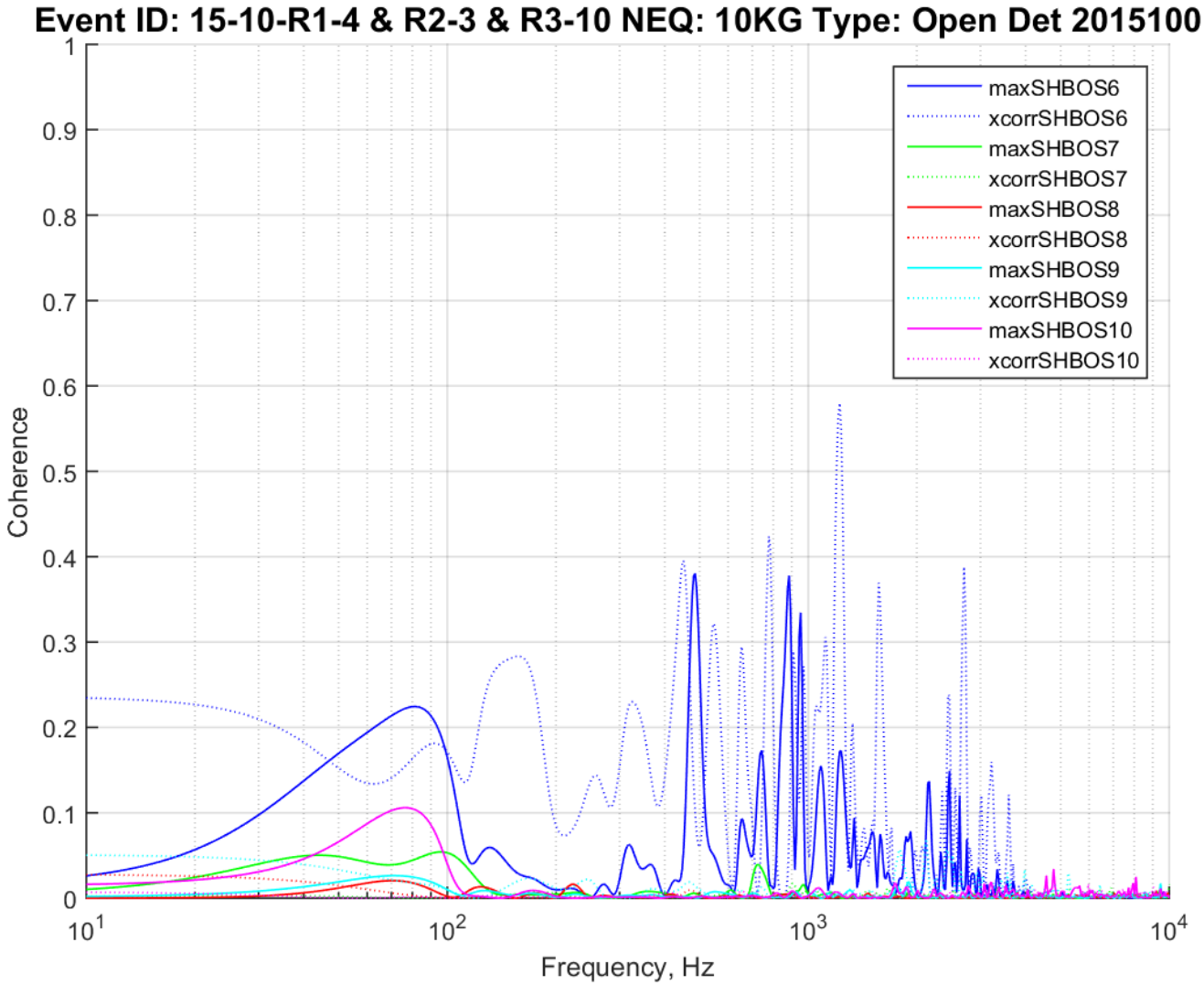


FIGURE 2.1384: COHERENCE SHB_OS 6 - 10 15-10-R1-4 & R2-3 & R3-10CTD

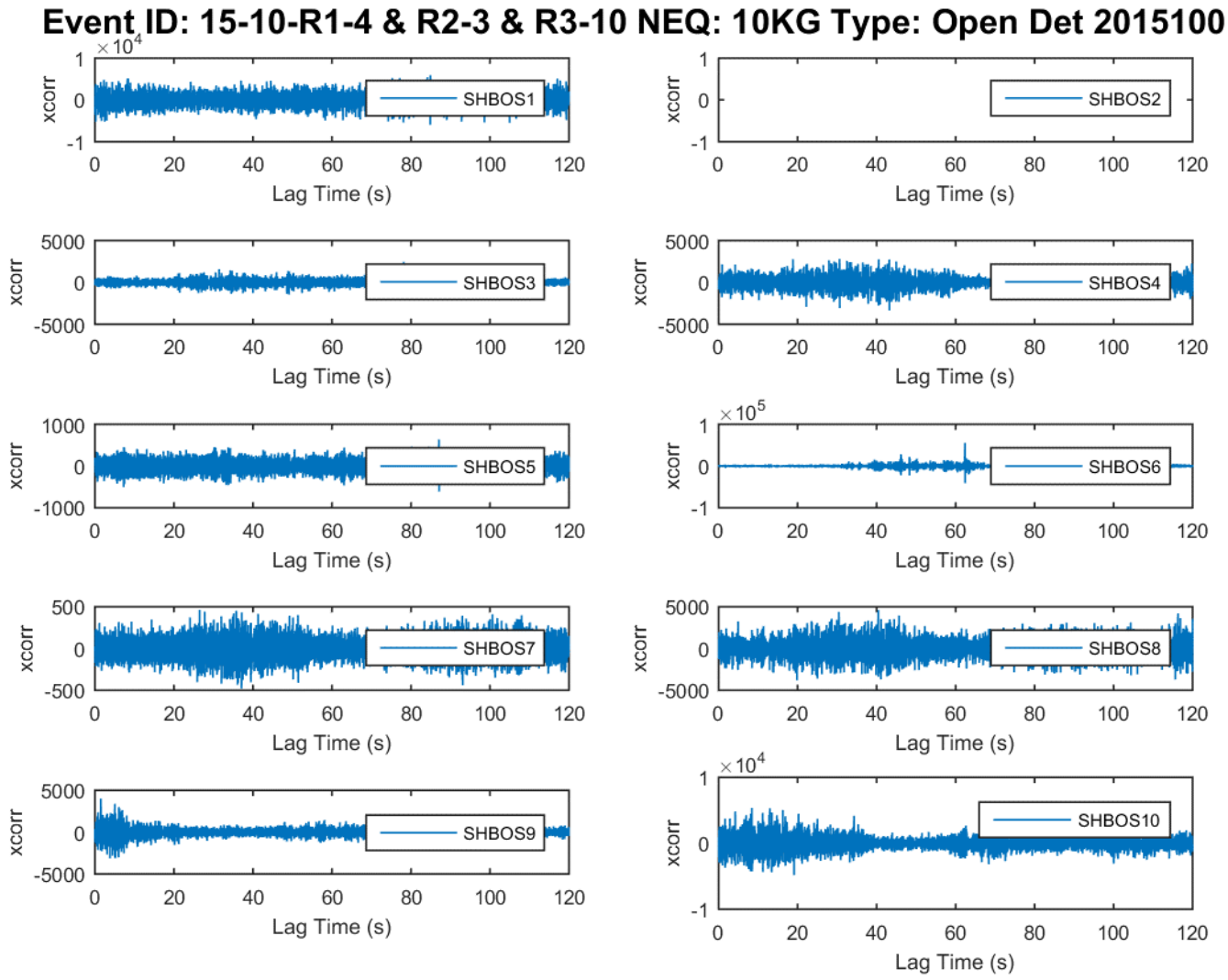
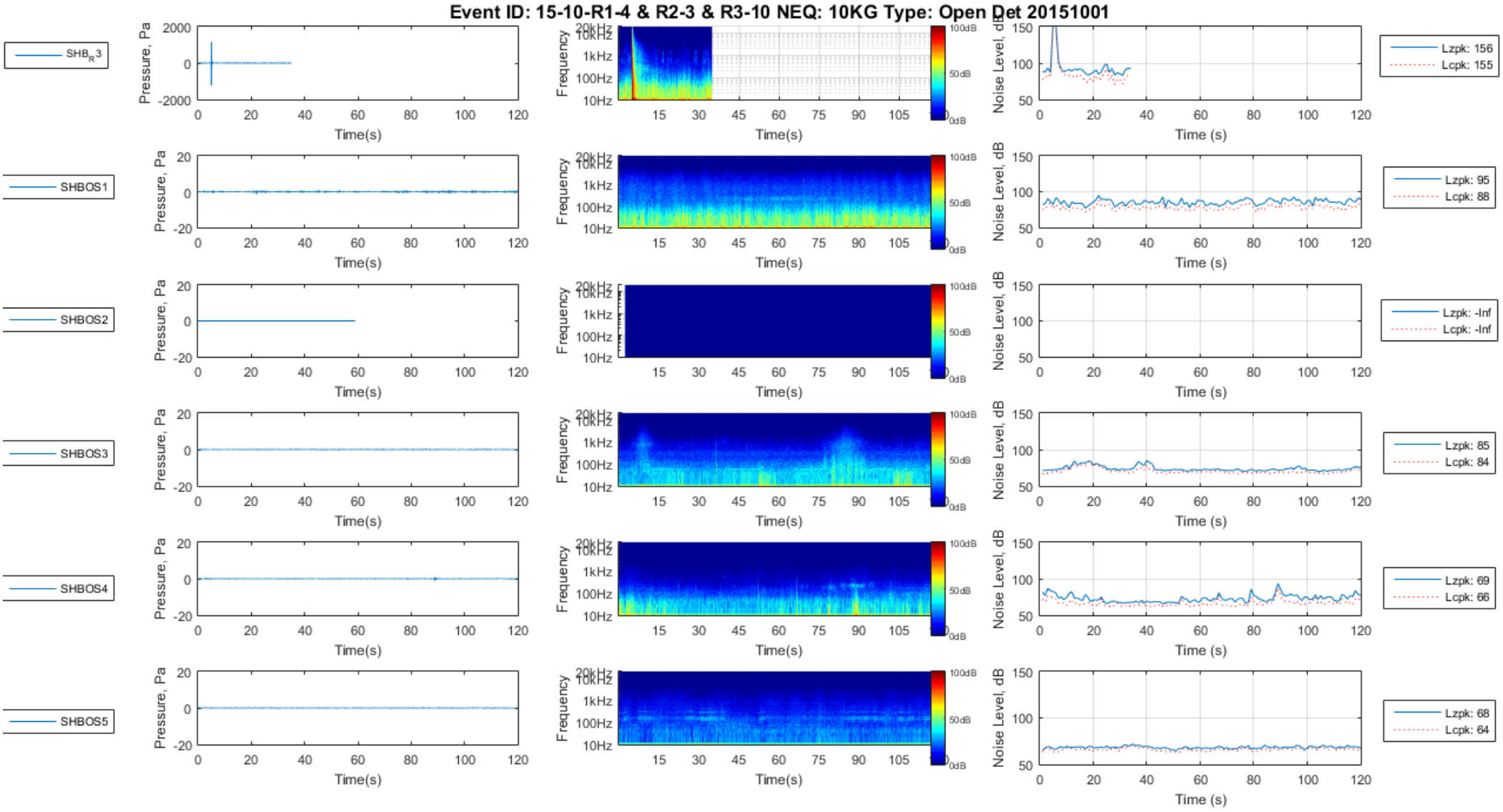
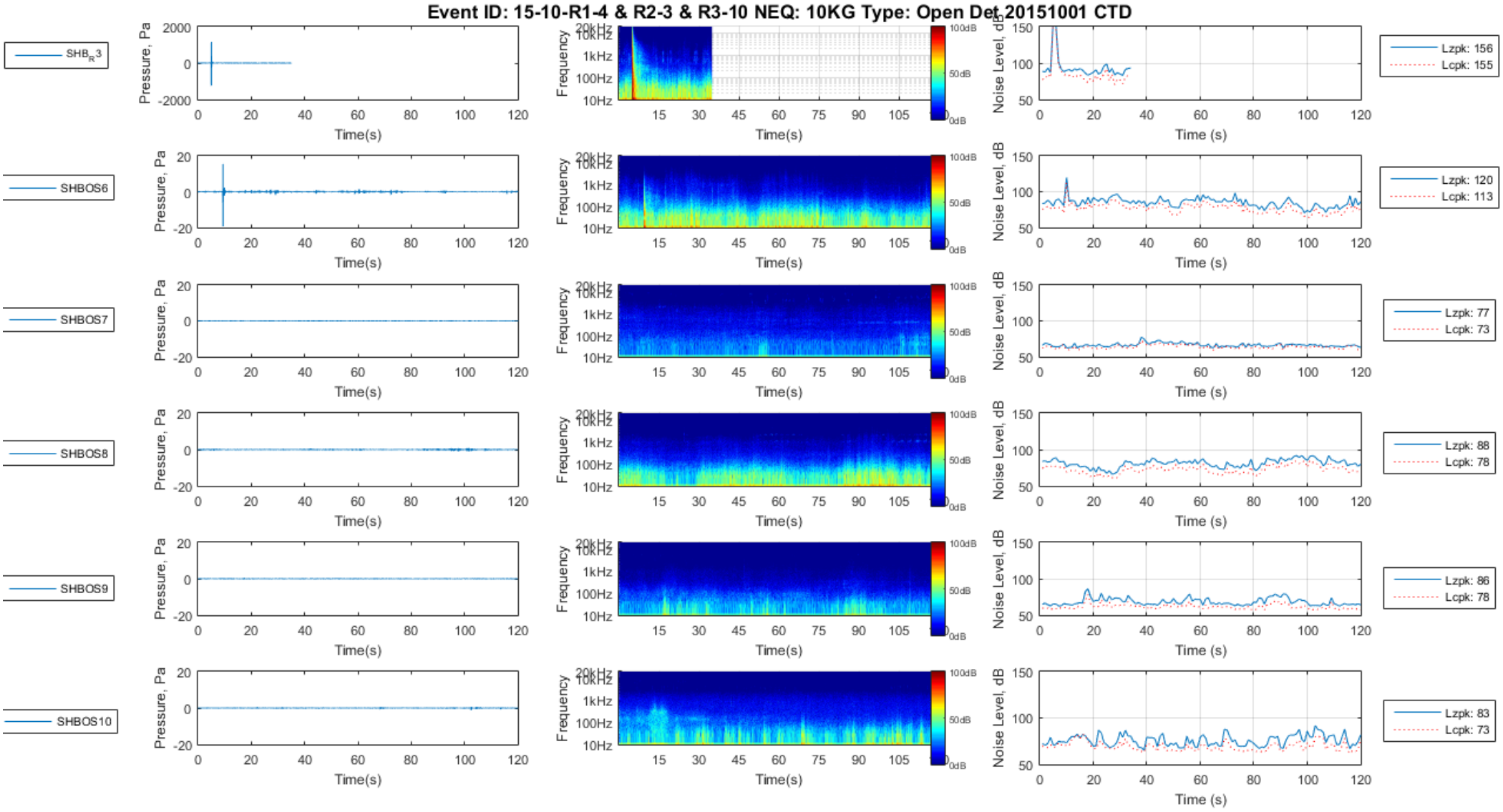


FIGURE 2.1385: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-4 & R2-3 & R3-10


Event ID: 15-10-R1-4 & R2-3 & R3-10 NEQ: 10KG Type: Open Det 20151001
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 156
Lcpk: 155
Lzpk: 95
Lcpk: 88
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 85
Lcpk: 84
Lzpk: 69
Lcpk: 66
Lzpk: 68
Lcpk: 64


Event ID: 15-10-R1-4 & R2-3 & R3-10 NEQ: 10KG Type: Open Det 20151001 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 156
Lcpk: 155
Lzpk: 120
Lcpk: 113
Lzpk: 77
Lcpk: 73
Lzpk: 88
Lcpk: 78
Lzpk: 86
Lcpk: 78
Lzpk: 83
Lcpk: 73

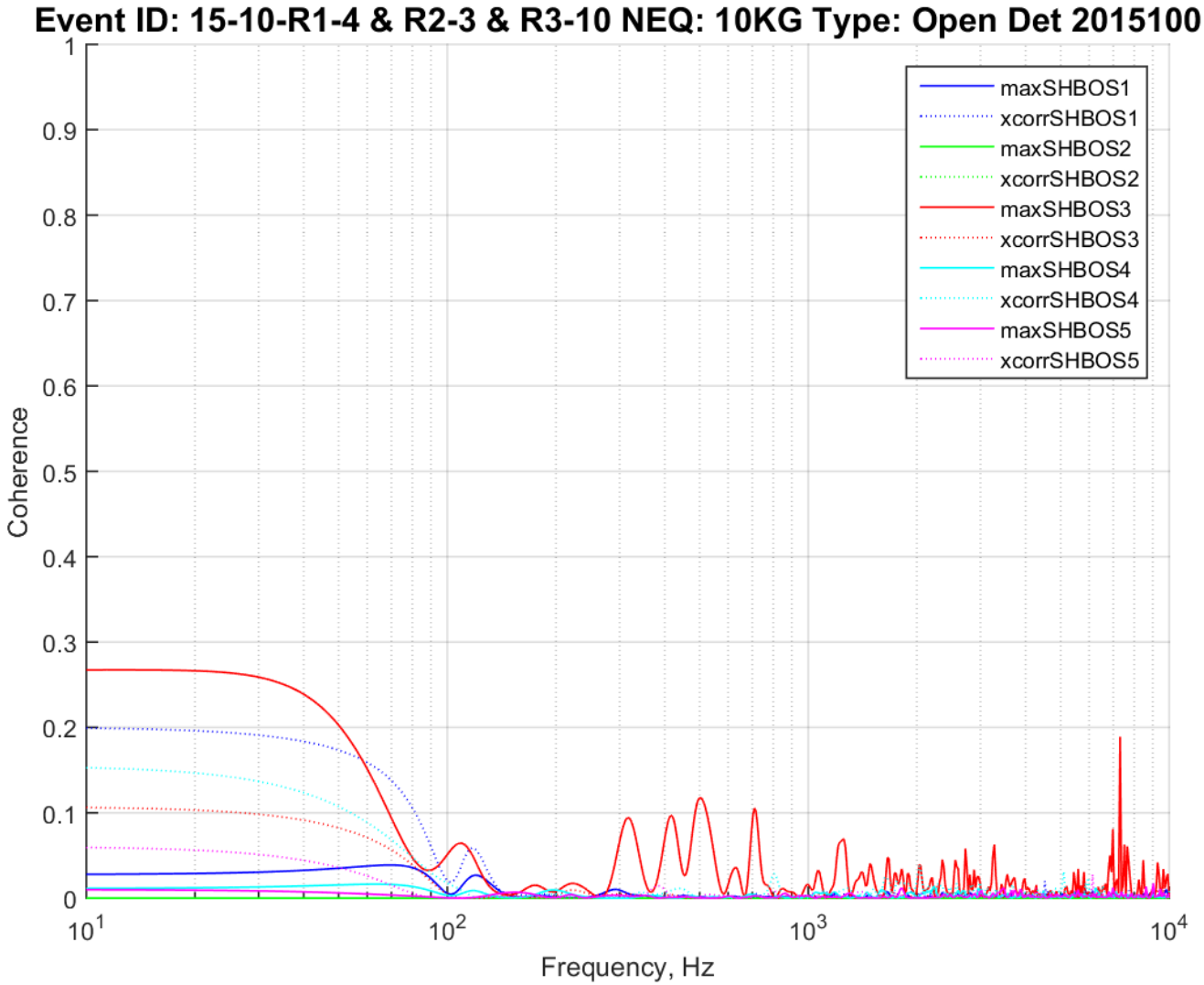


FIGURE 2.1388: COHERENCE SHB_OS 1 - 5 15-10-R1-4 & R2-3 & R3-10

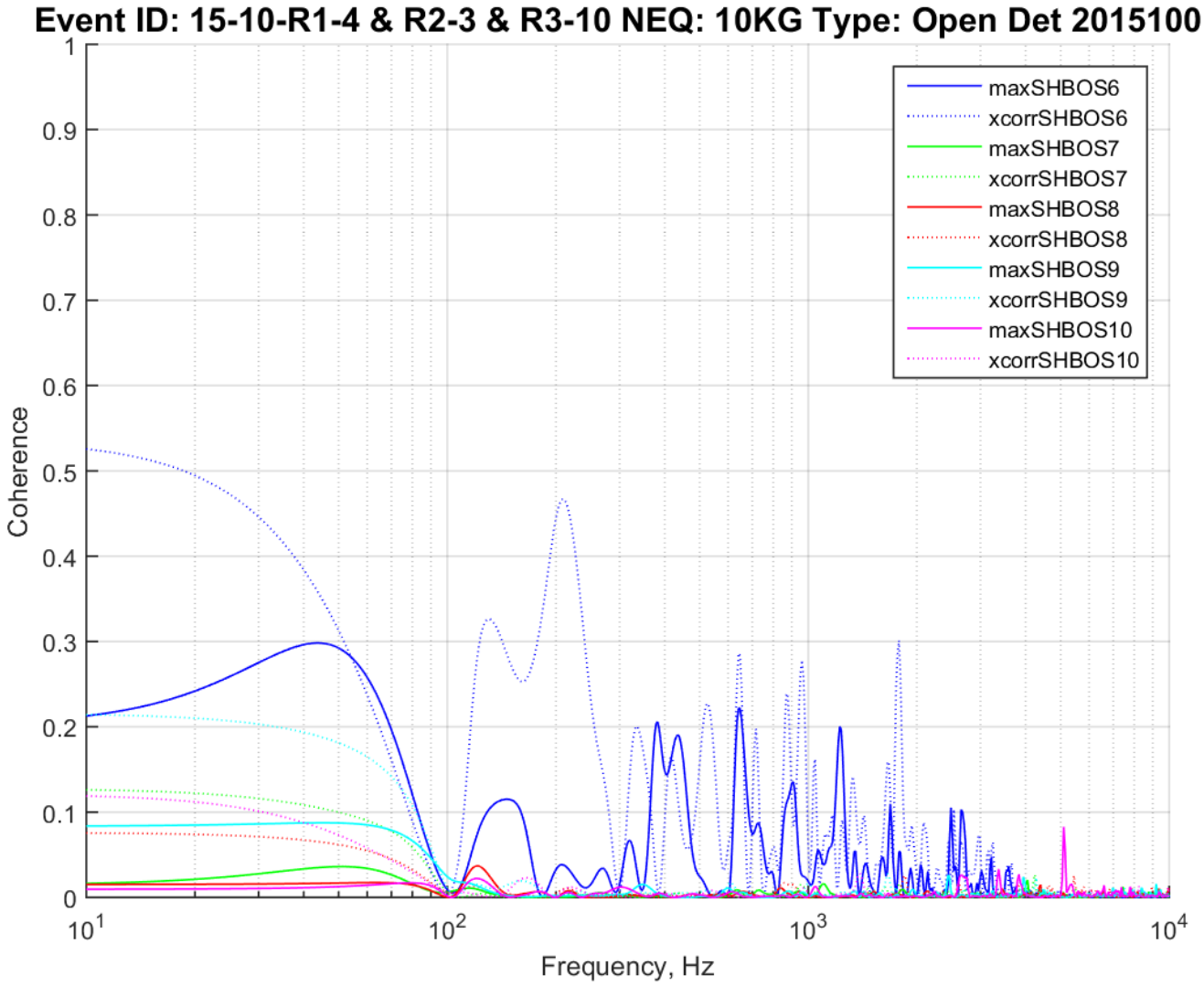


FIGURE 2.1389: COHERENCE SHB_OS 6 - 10 15-10-R1-4 & R2-3 & R3-10CTD

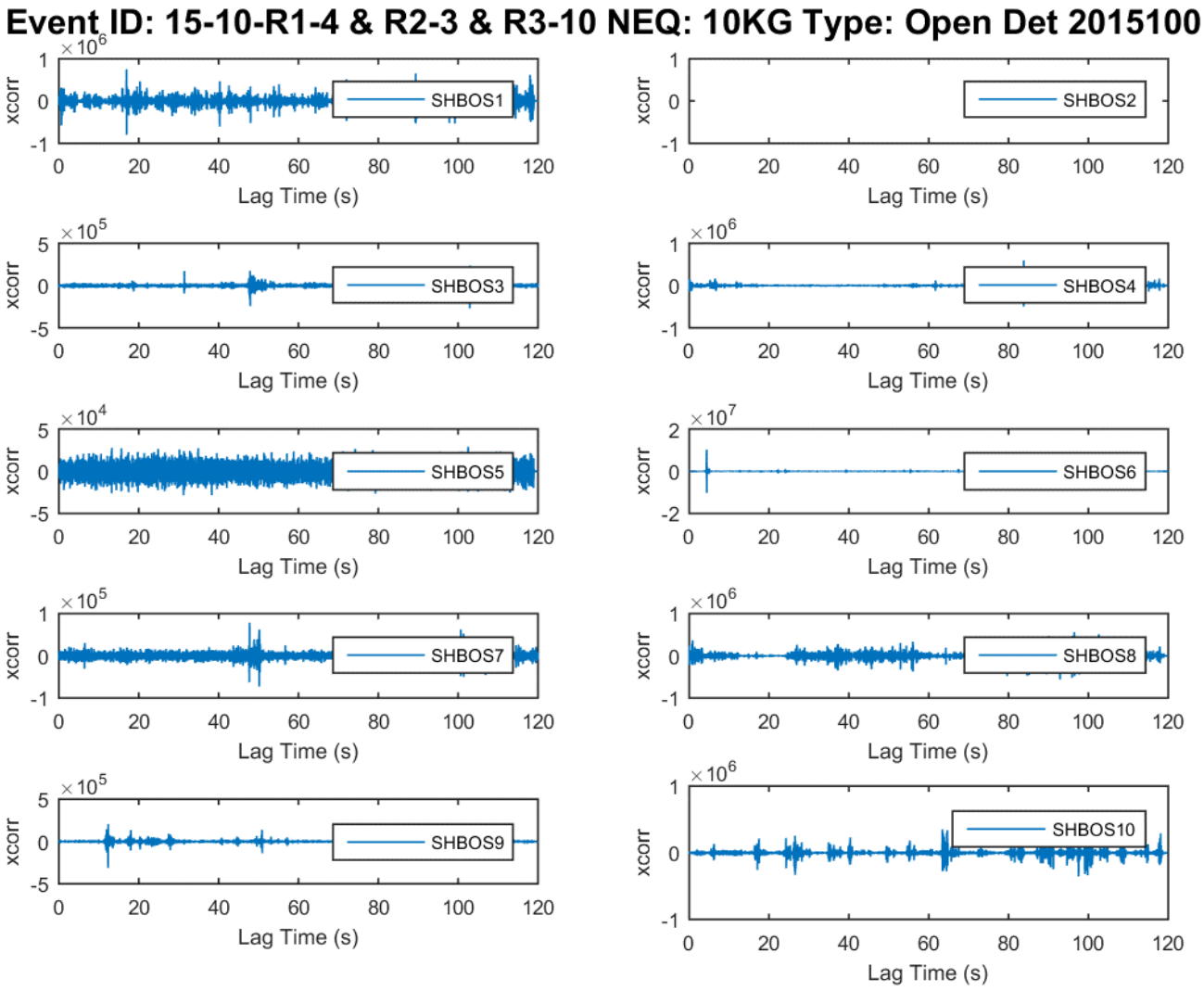
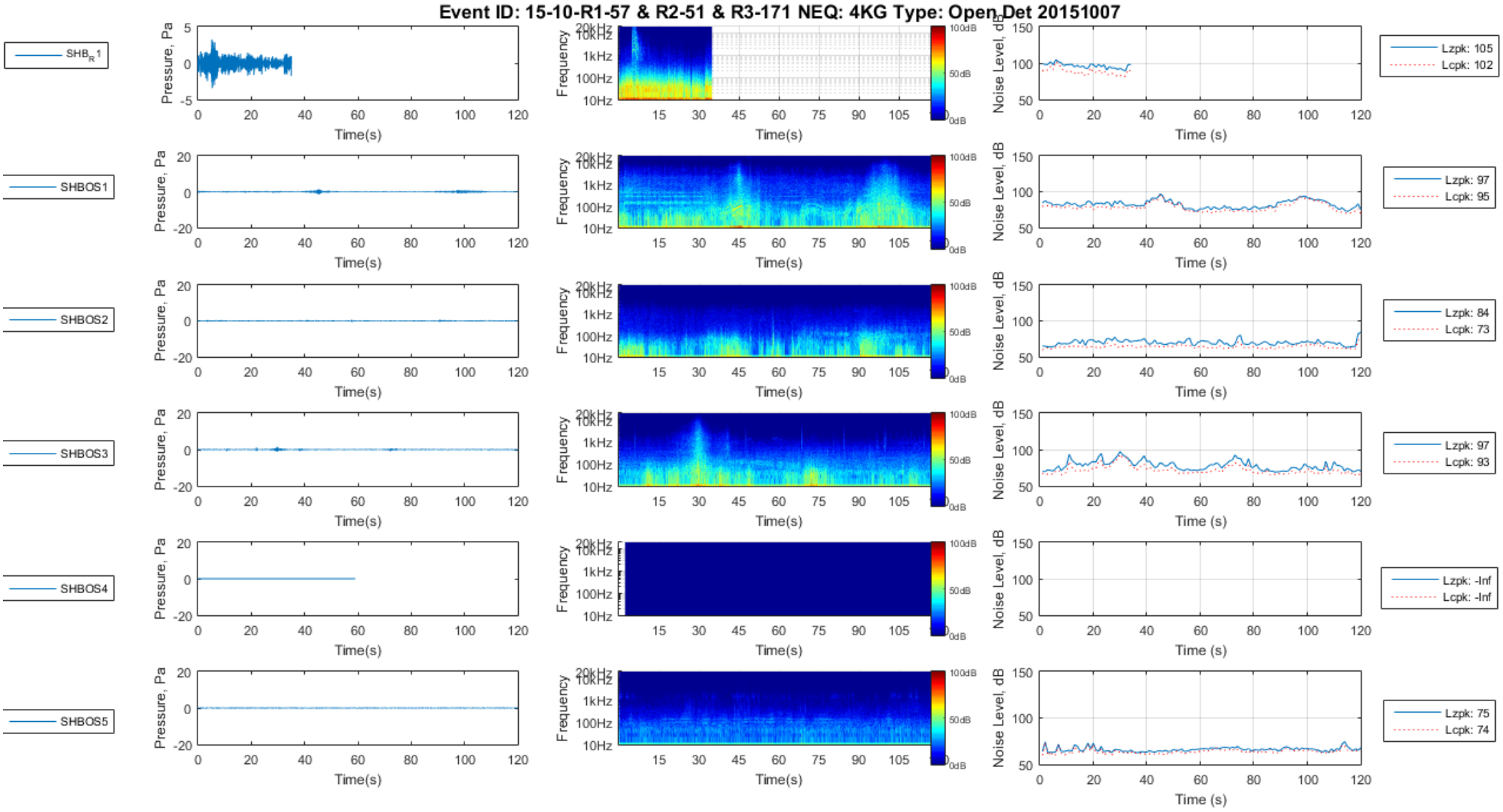
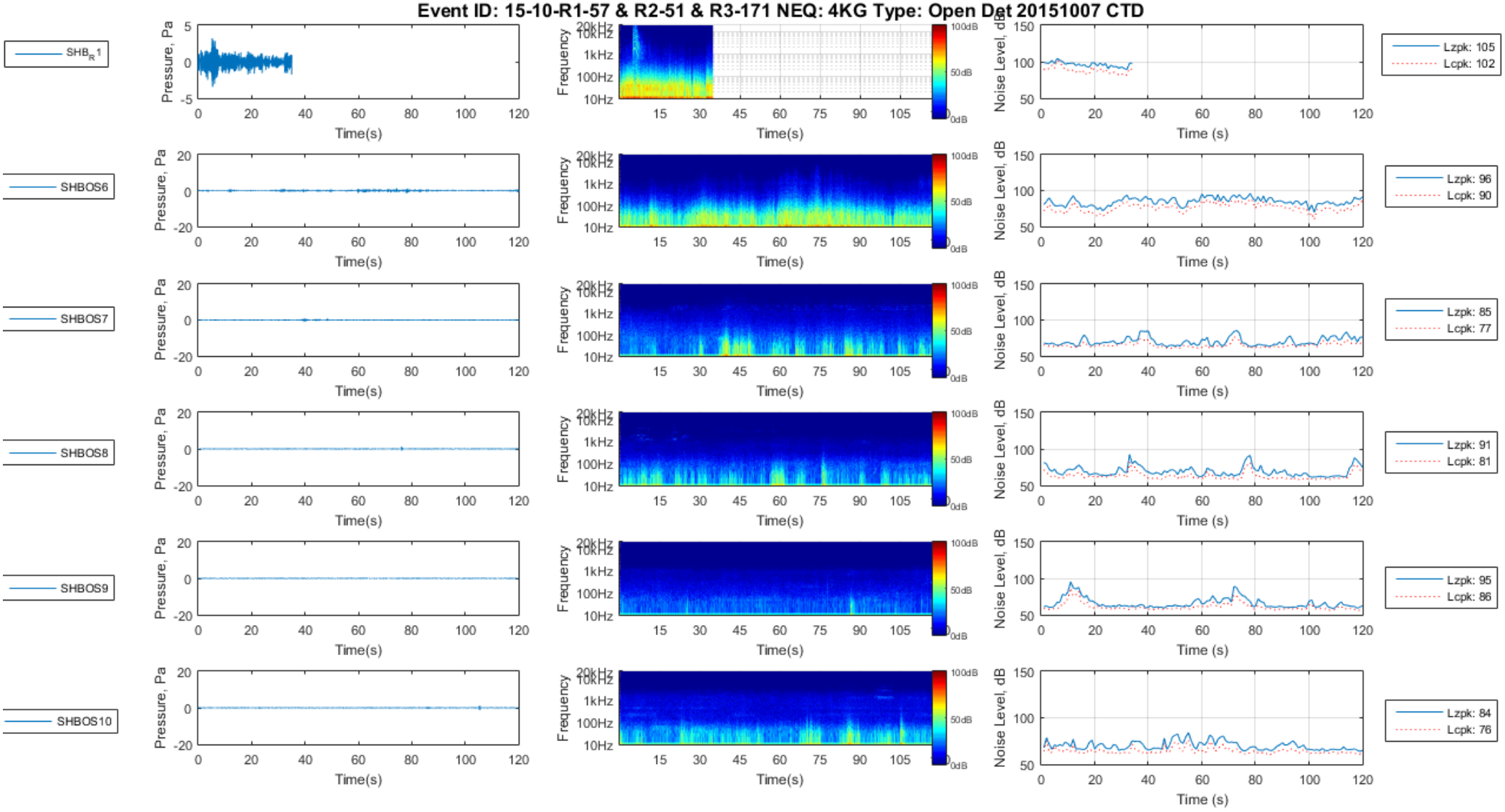


FIGURE 2.1390: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-4 & R2-3 & R3-10


Event ID: 15-10-R1-57 & R2-51 & R3-171 NEQ: 4KG Type: Open Det 20151007
SHB_R 1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 105
Lcpk: 102
Lzpk: 97
Lcpk: 95
Lzpk: 84
Lcpk: 73
Lzpk: 97
Lcpk: 93
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 75
Lcpk: 74


Event ID: 15-10-R1-57 & R2-51 & R3-171 NEQ: 4KG Type: Open Det 20151007 CTD
SHB$_R$ [1]
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 105
Lcpk: 102
Lzpk: 96
Lcpk: 90
Lzpk: 85
Lcpk: 77
Lzpk: 91
Lcpk: 81
Lzpk: 95
Lcpk: 86
Lzpk: 84
Lcpk: 76

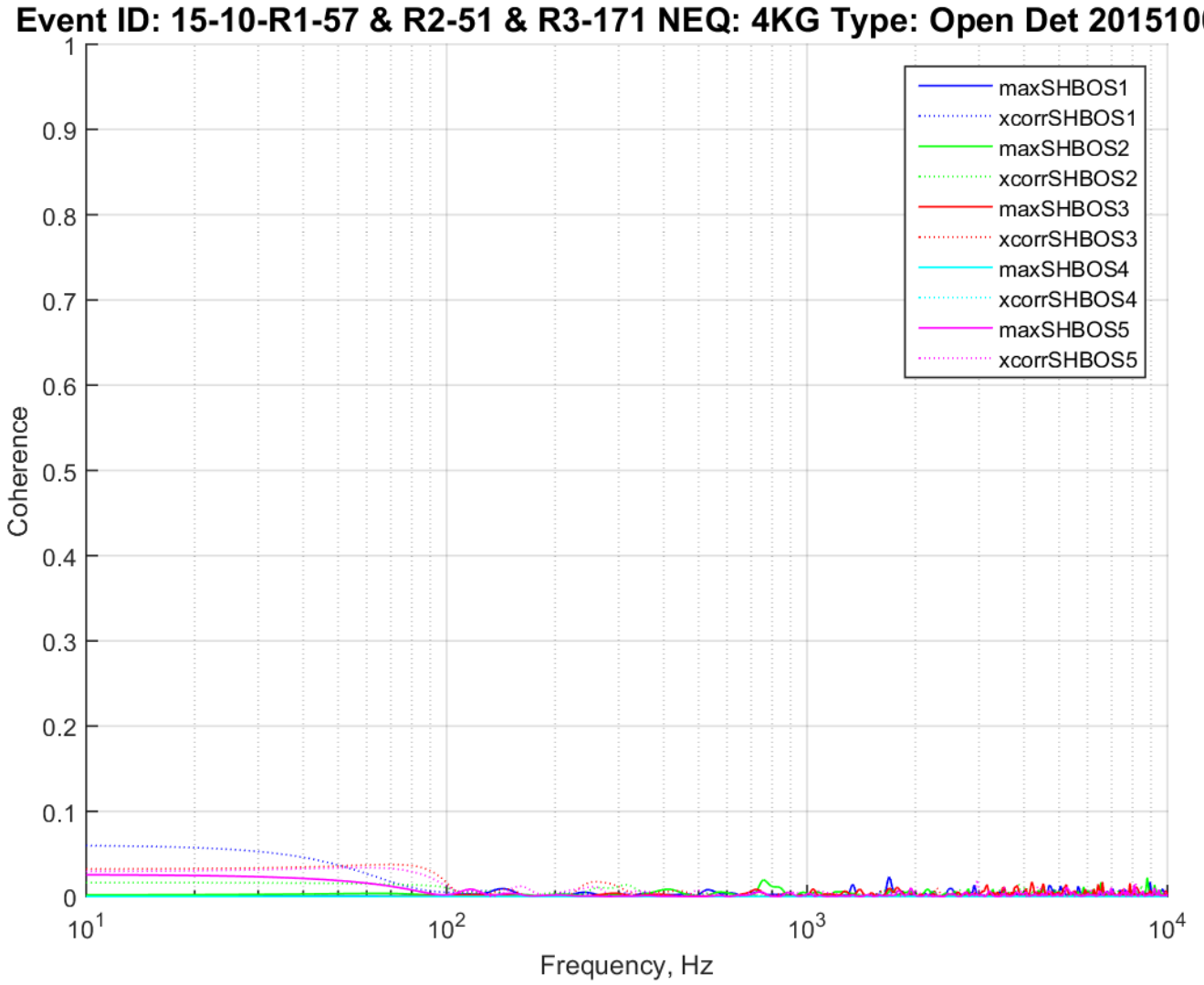


FIGURE 2.1393: COHERENCE SHB_OS 1 - 5 15-10-R1-57 & R2-51 & R3-171

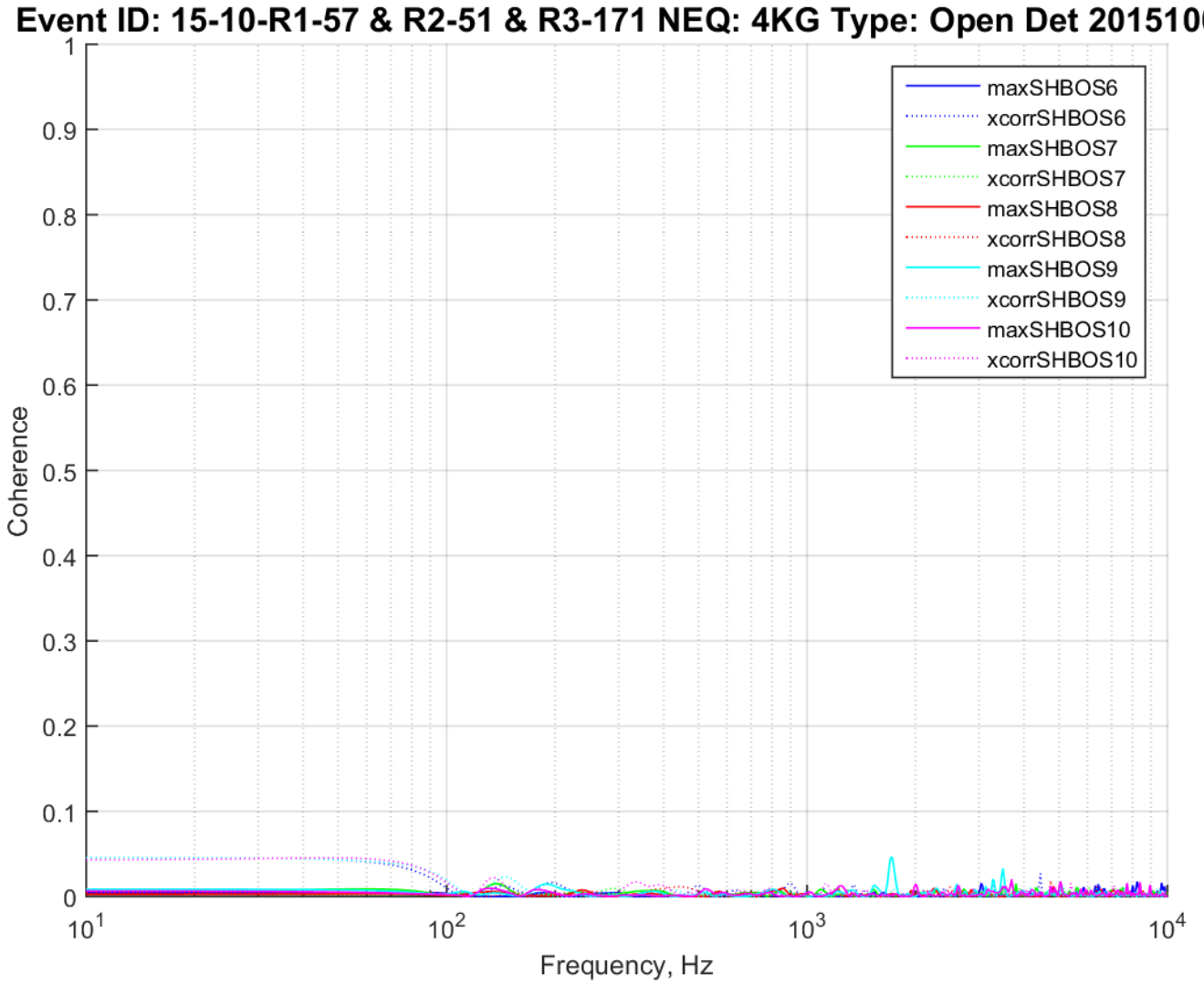


FIGURE 2.1394: COHERENCE SHB_OS 6 - 10 15-10-R1-57 & R2-51 & R3-171CTD

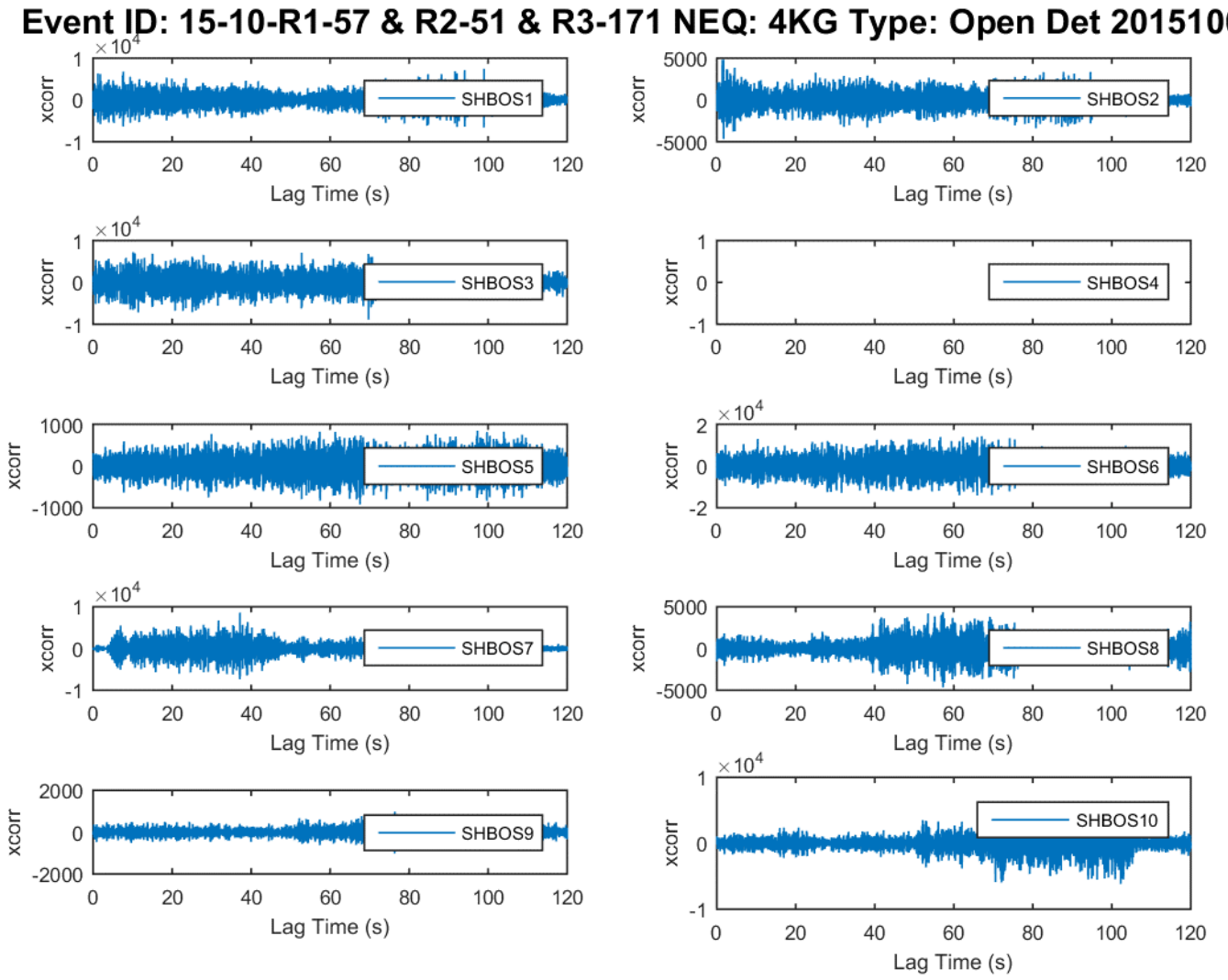
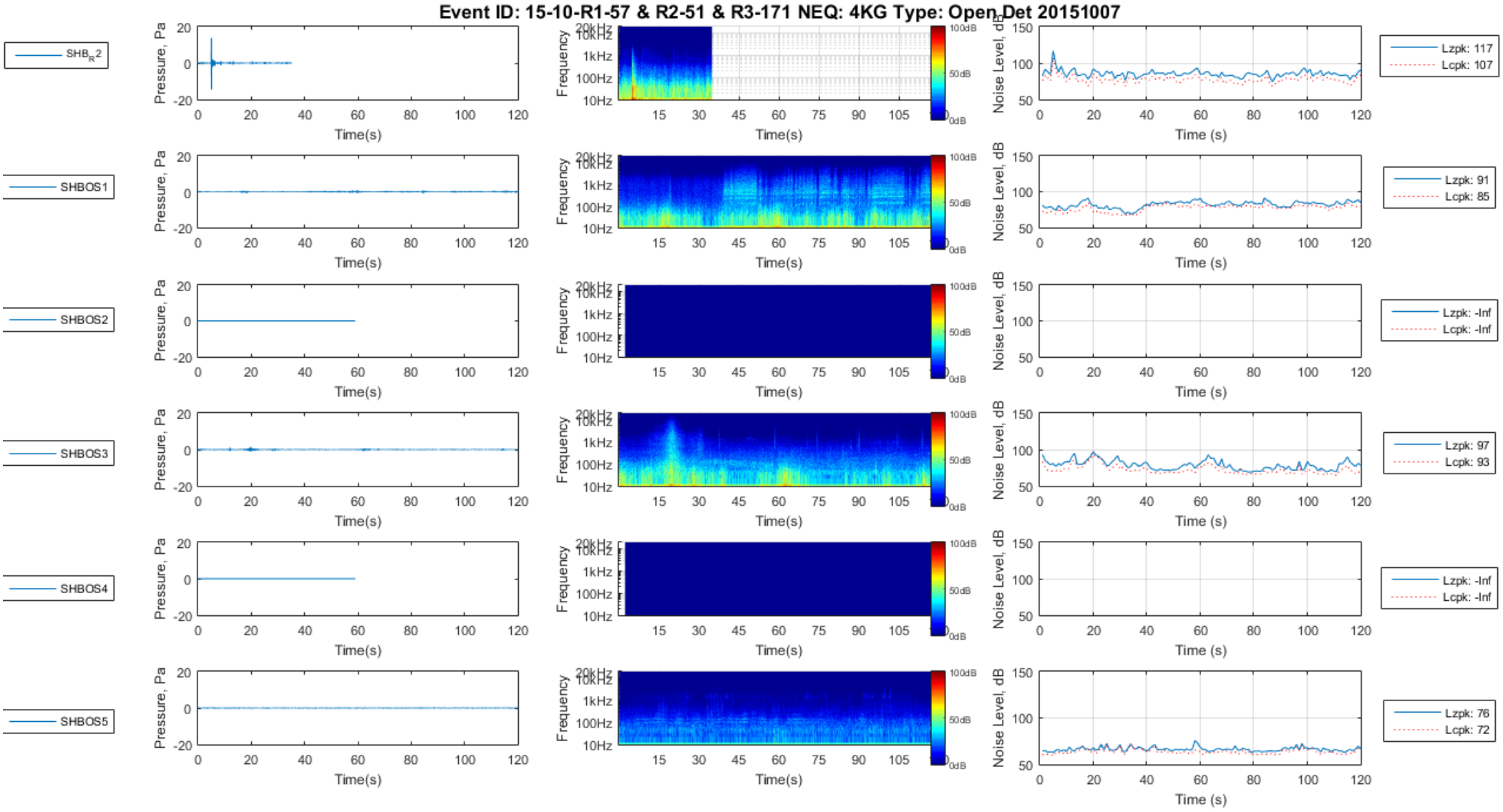
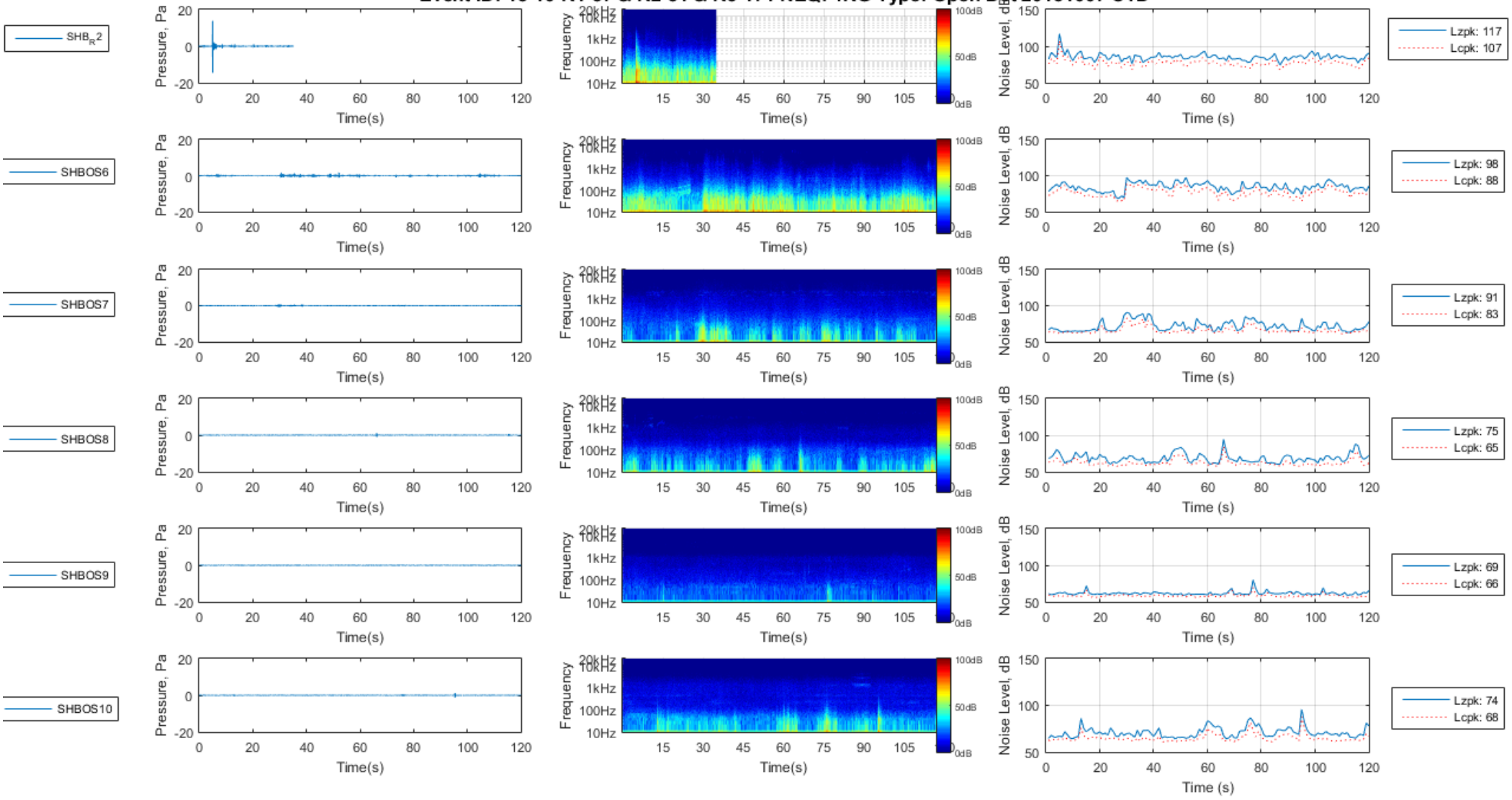


FIGURE 2.1395: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-57 & R2-51 & R3-171


Event ID: 15-10-R1-57 & R2-51 & R3-171 NEQ: 4KG Type: Open Det 20151007
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 117
Lcpk: 107
Lzpk: 91
Lcpk: 85
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 97
Lcpk: 93
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 76
Lcpk: 72


Event ID: 15-10-R1-57 & R2-51 & R3-171 NEQ: 4KG Type: Open Det 20151007 CTD
SHB$_R$2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 117
Lcpk: 107
Lzpk: 98
Lcpk: 88
Lzpk: 91
Lcpk: 83
Lzpk: 75
Lcpk: 65
Lzpk: 69
Lcpk: 66
Lzpk: 74
Lcpk: 68

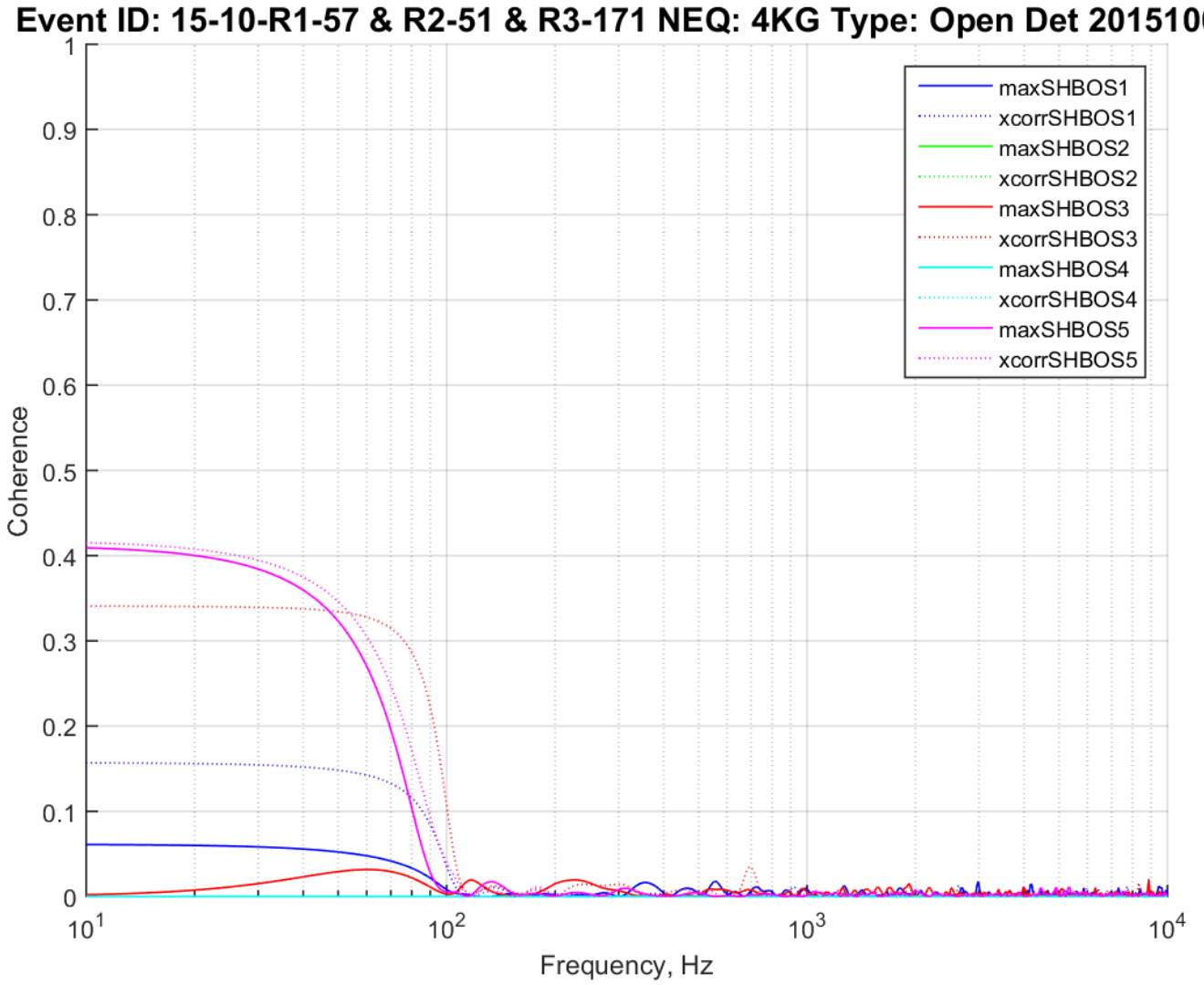


FIGURE 2.1398: COHERENCE SHB_OS 1 - 5 15-10-R1-57 & R2-51 & R3-171

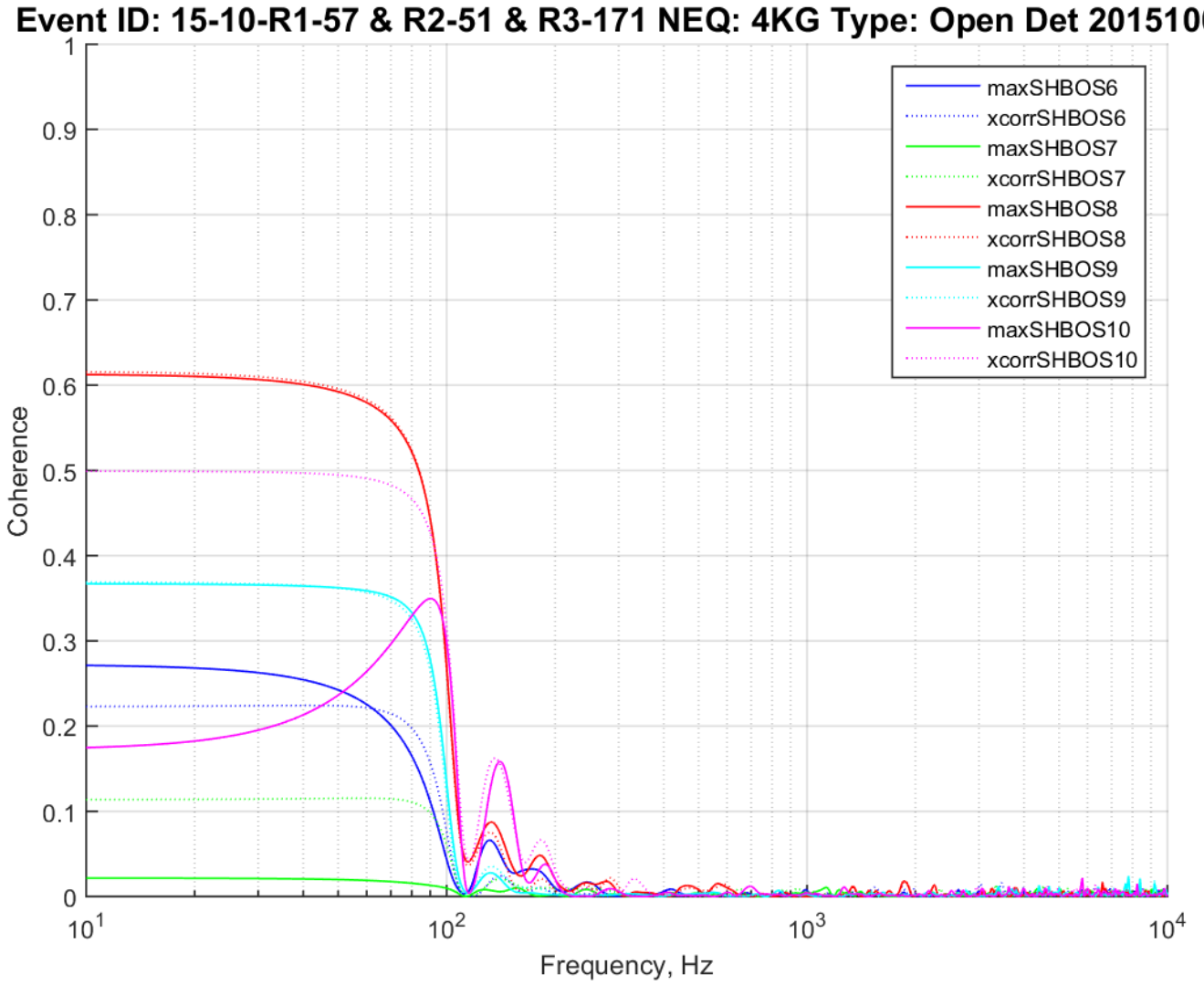


FIGURE 2.1399: COHERENCE SHB_OS 6 - 10 15-10-R1-57 & R2-51 & R3-171CTD

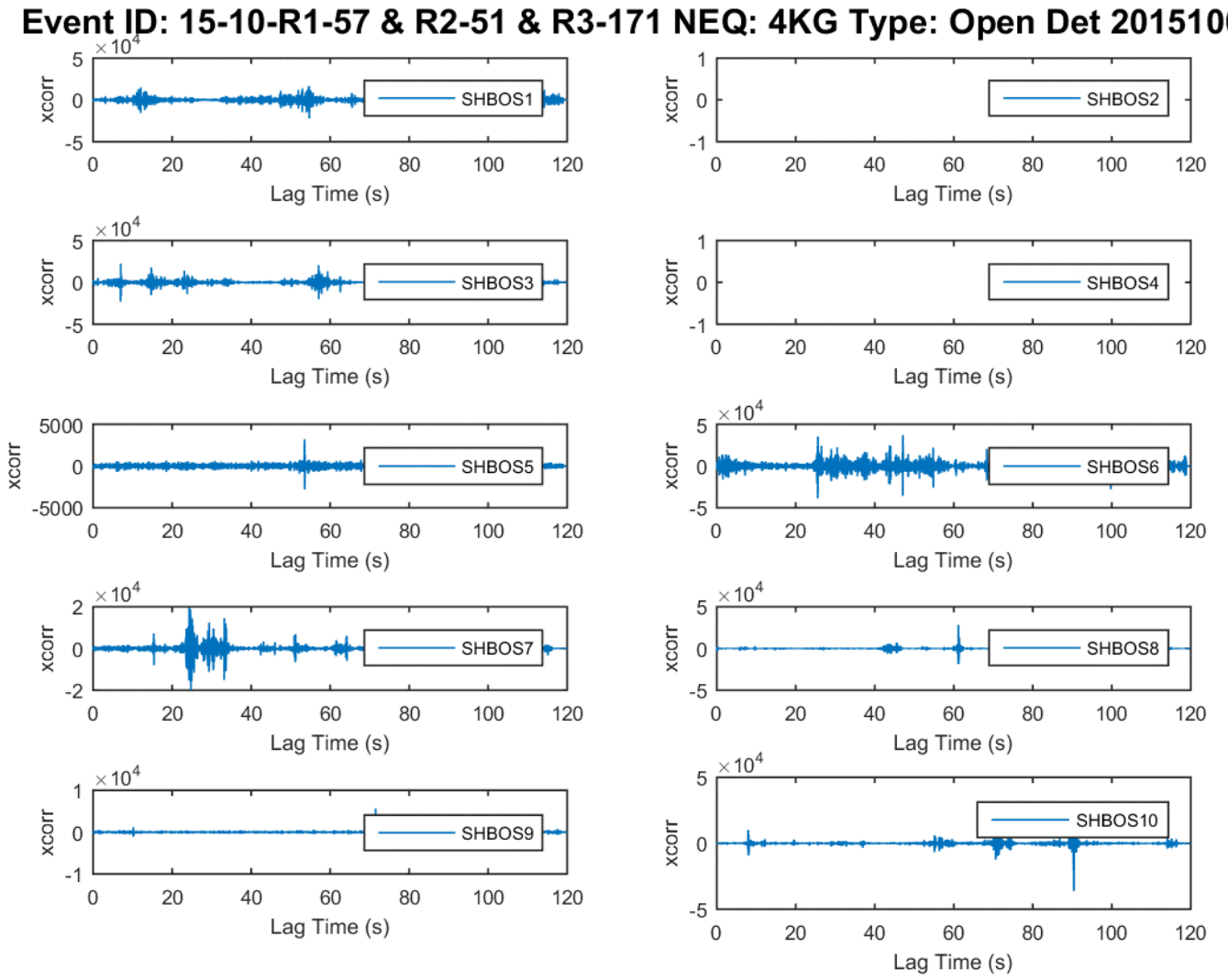


FIGURE 2.1400: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-57 & R2-51 & R3-171

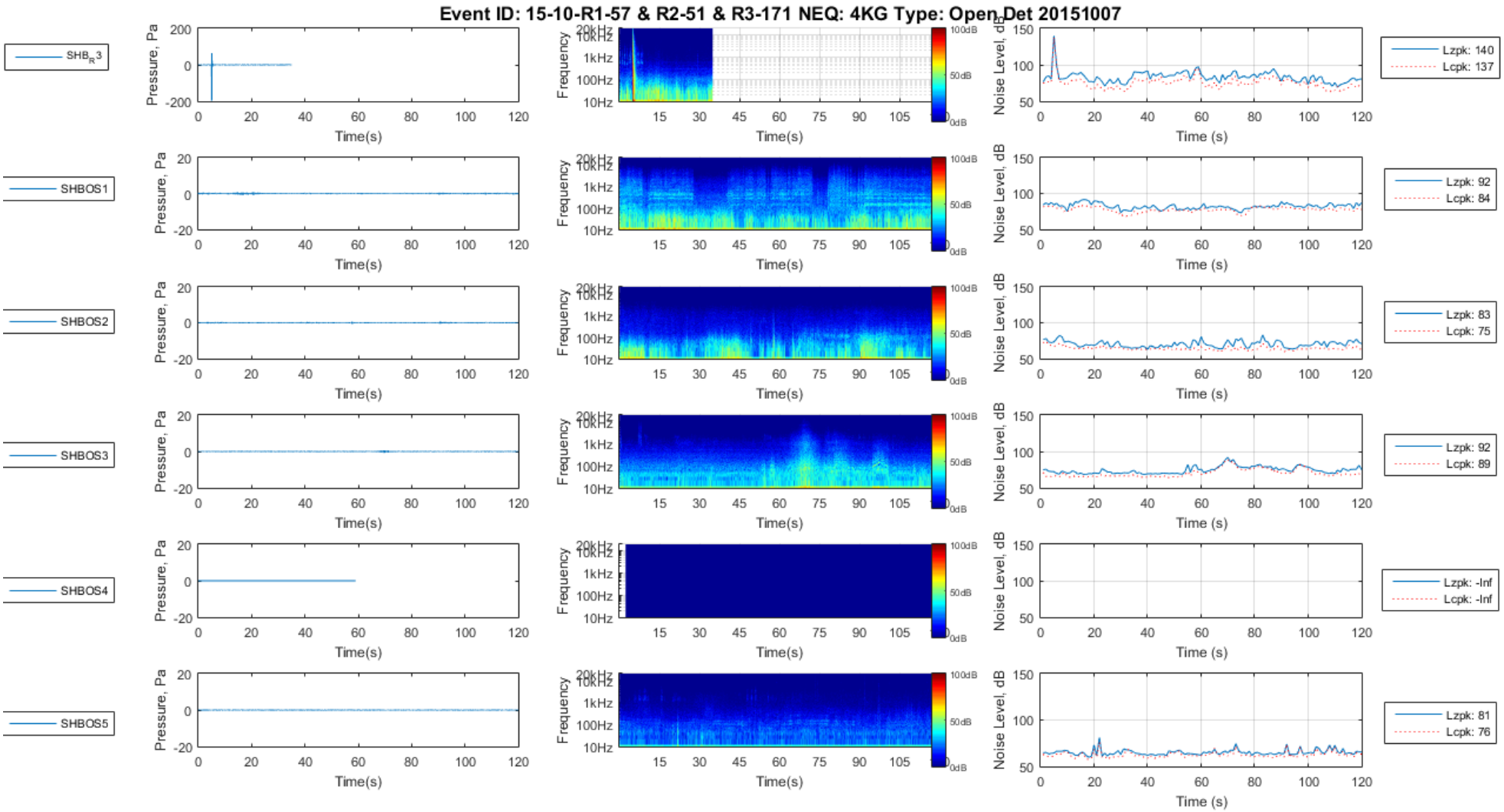


FIGURE 2.1401: SHB_OS 1 - 5 15-10-R1-57 & R2-51 & R3-171

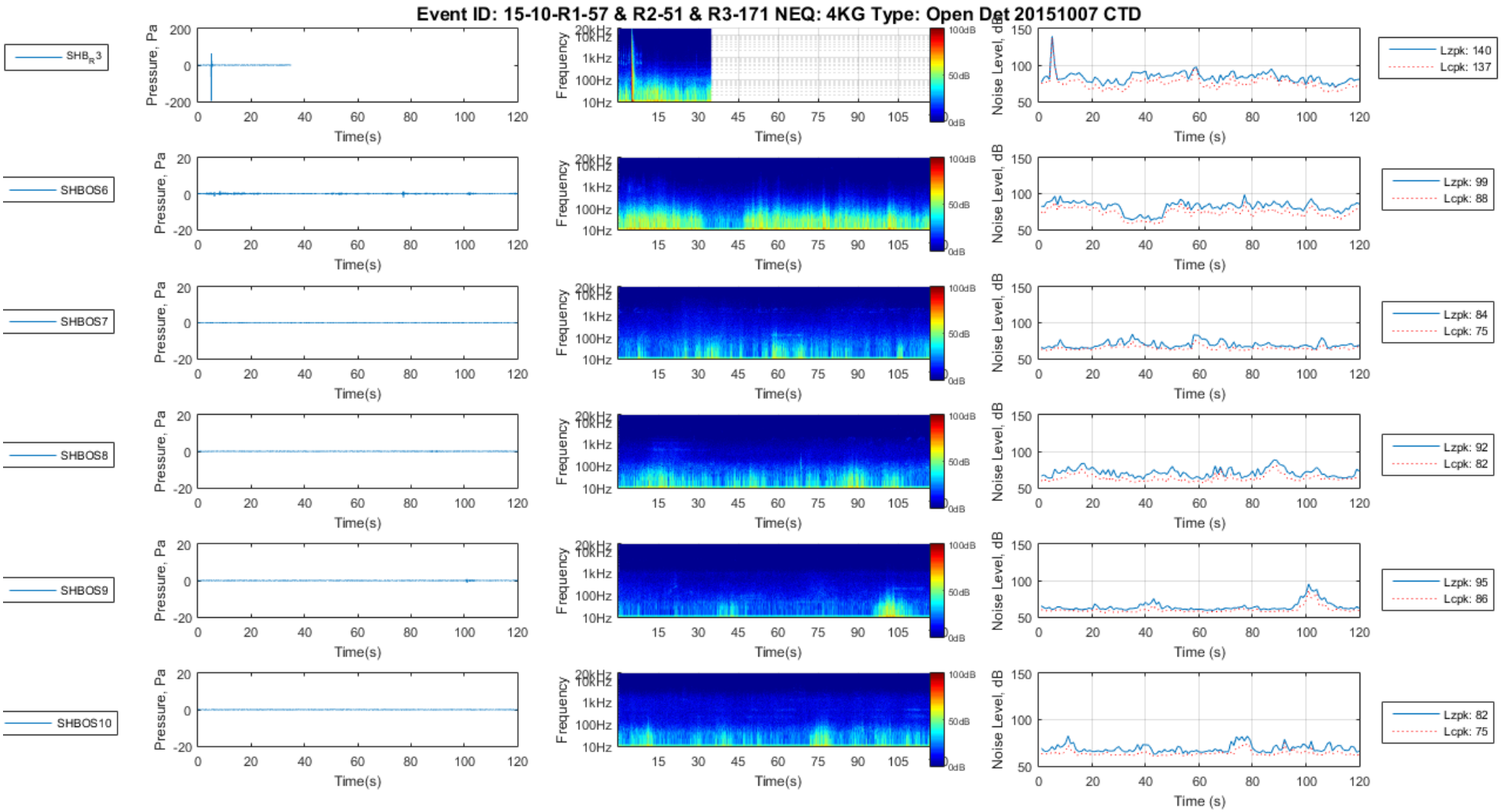


FIGURE 2.1402: SHB_OS 6 - 10 15-10-R1-57 & R2-51 & R3-171

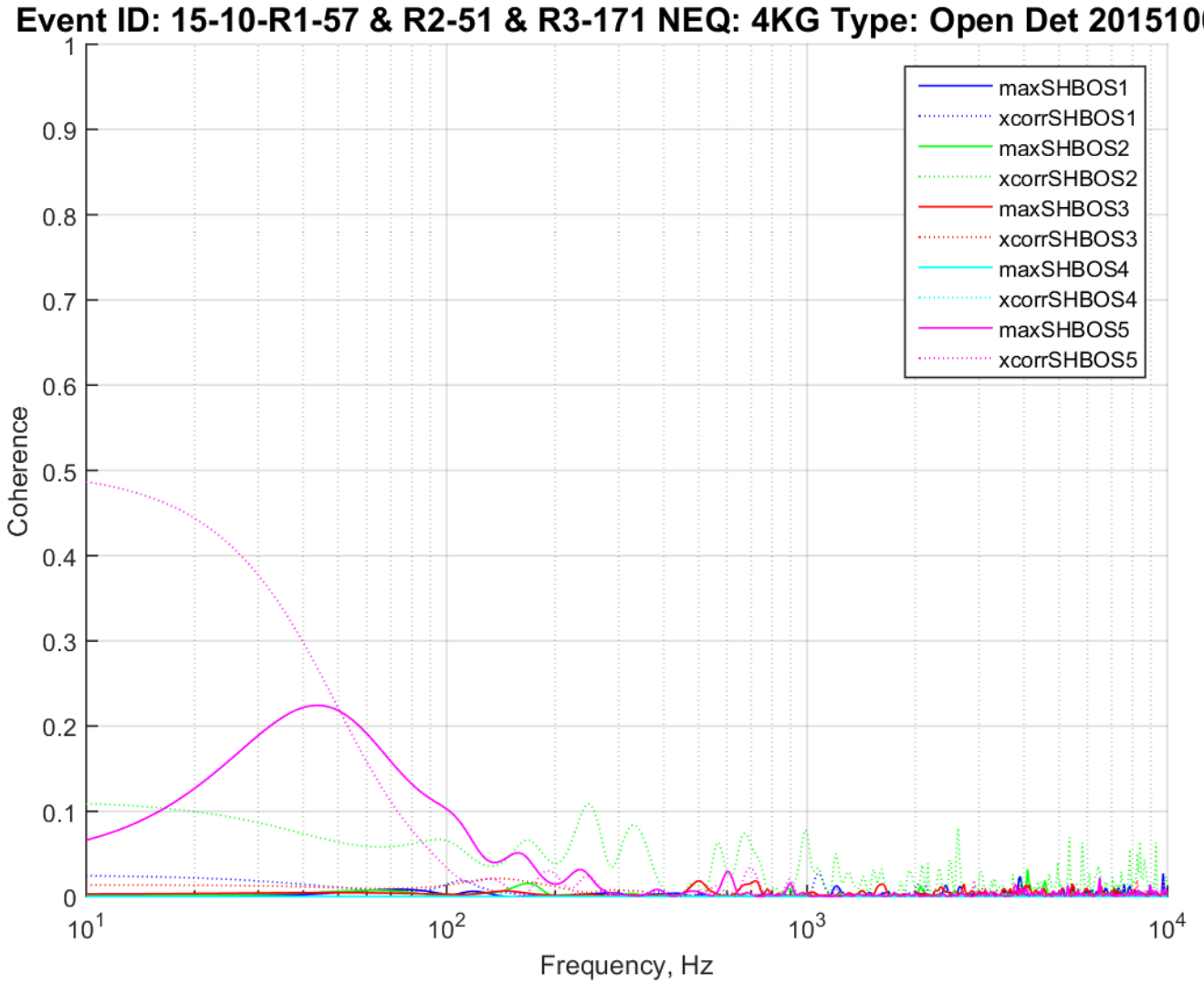


FIGURE 2.1403: COHERENCE SHB_OS 1 - 5 15-10-R1-57 & R2-51 & R3-171

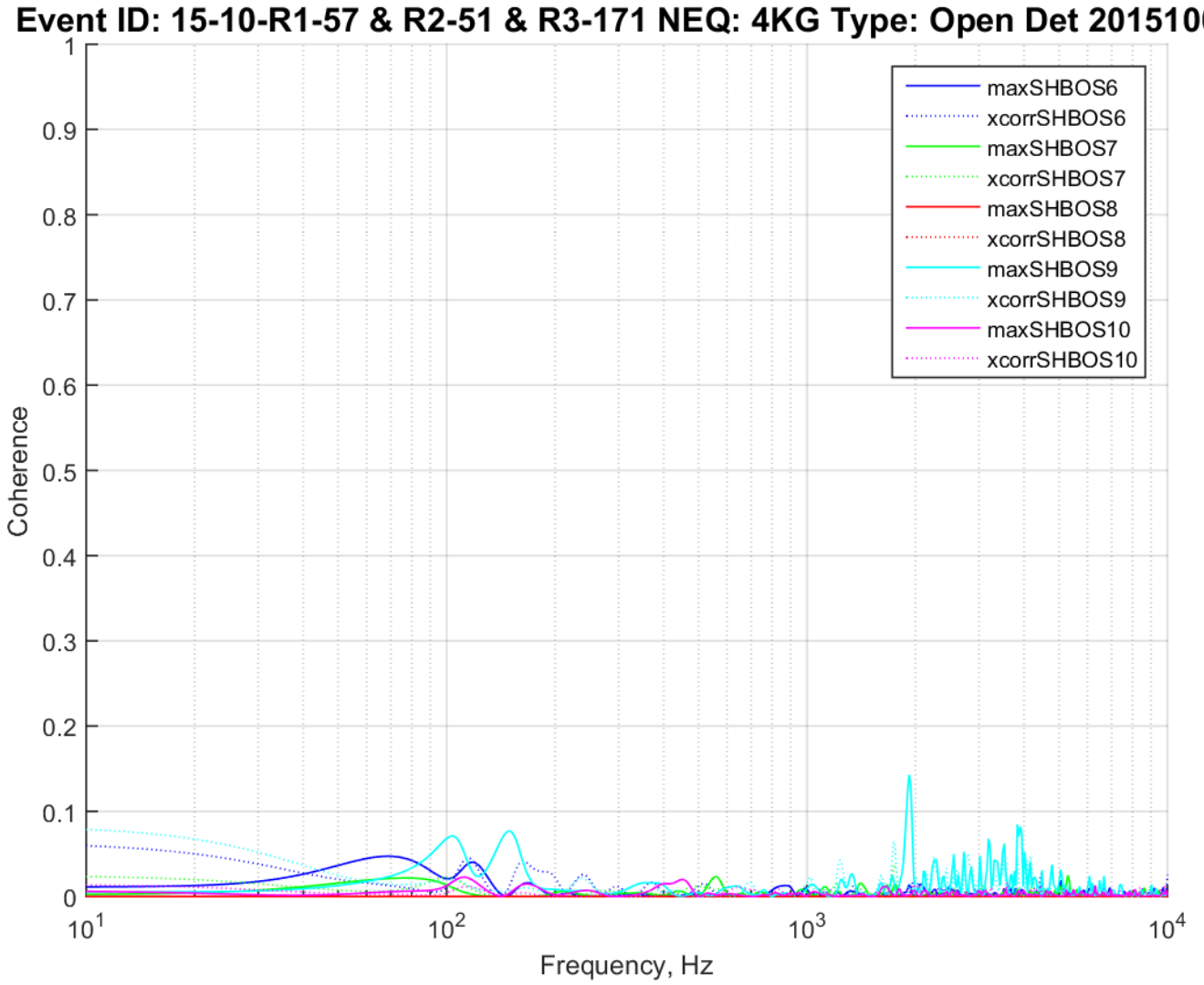


FIGURE 2.1404: COHERENCE SHB_OS 6 - 10 15-10-R1-57 & R2-51 & R3-171CTD

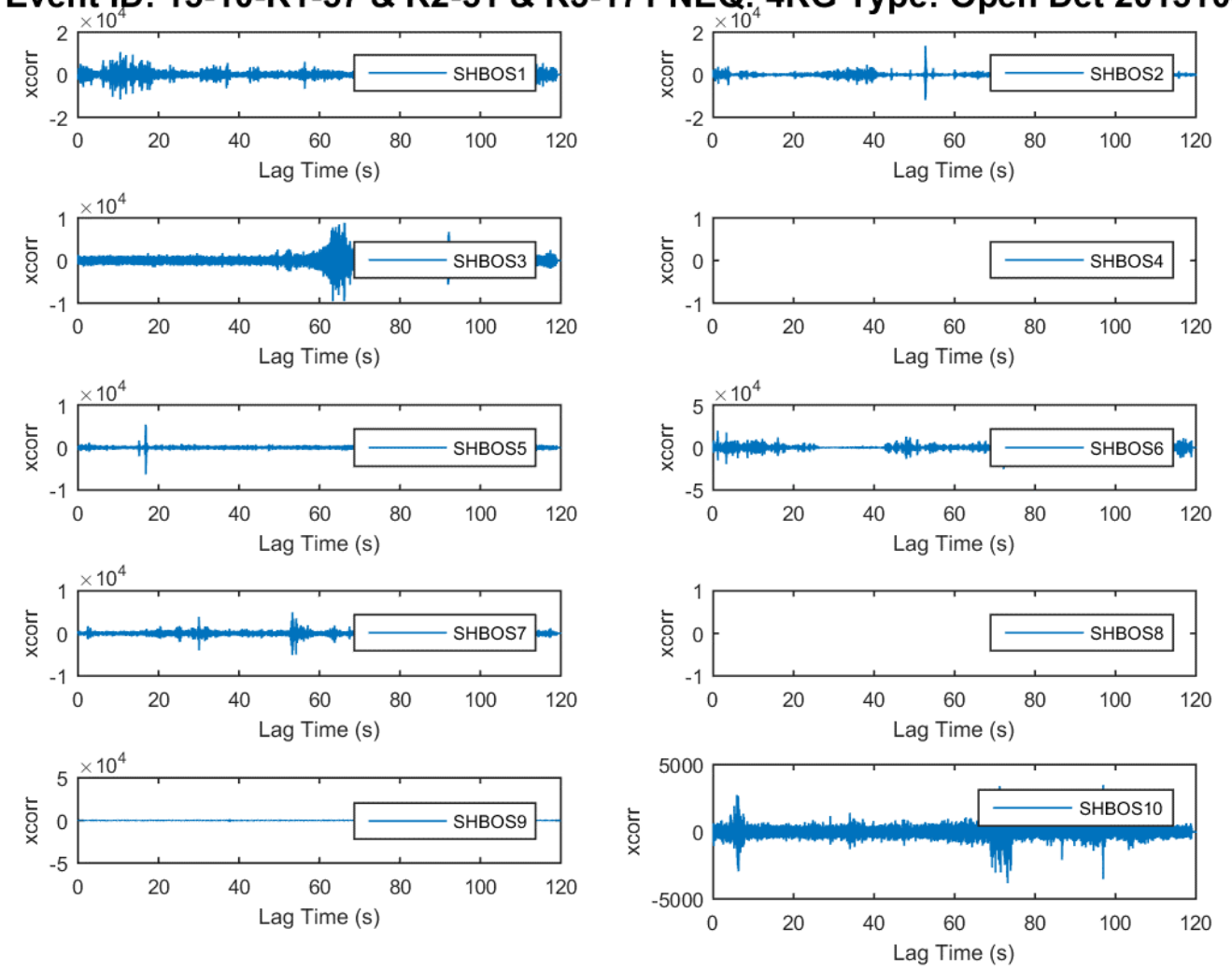


FIGURE 2.1405: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-57 & R2-51 & R3-171

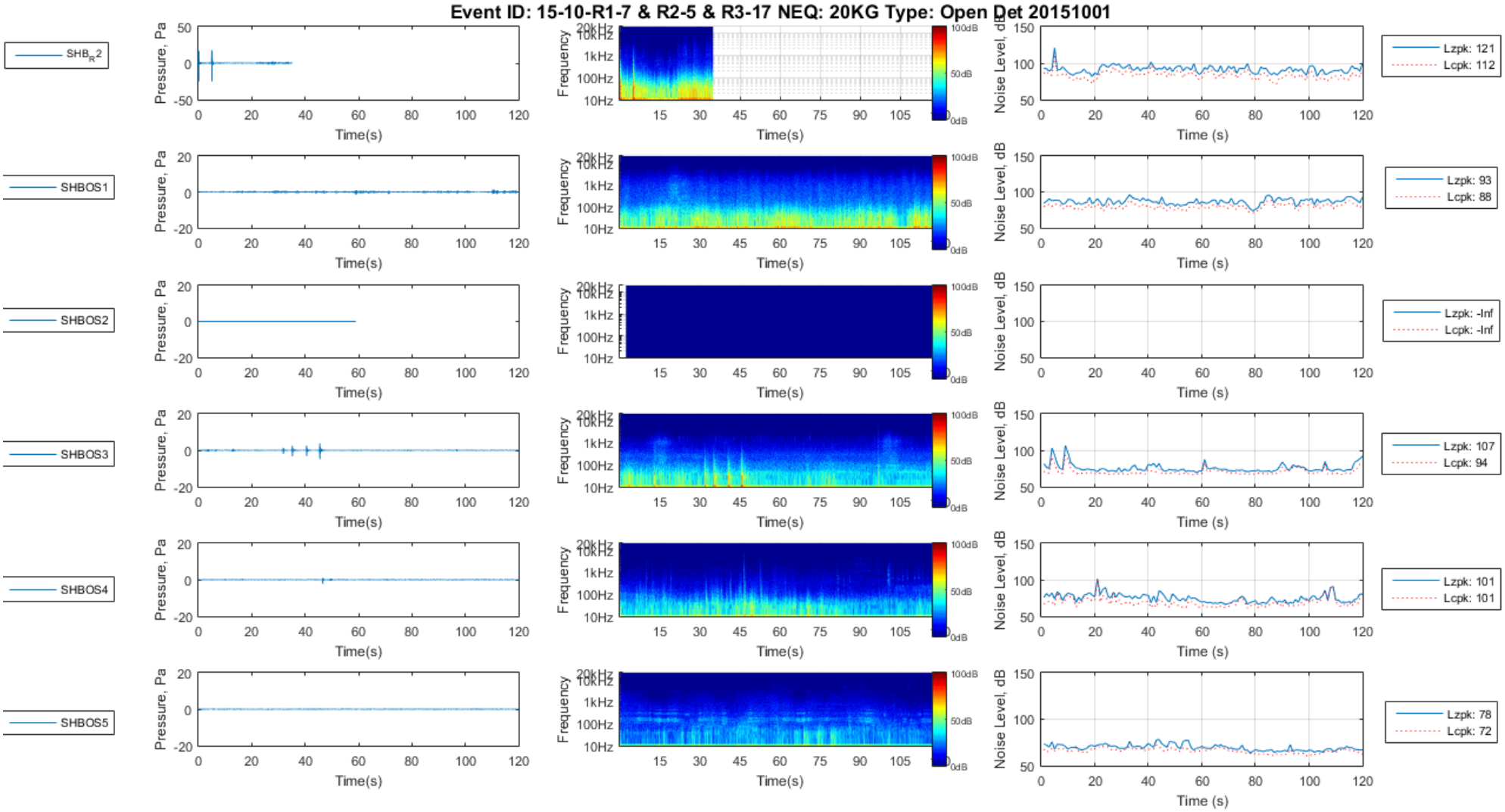


FIGURE 2.1406: SHB_OS 1 - 5 15-10-R1-7 & R2-5 & R3-17

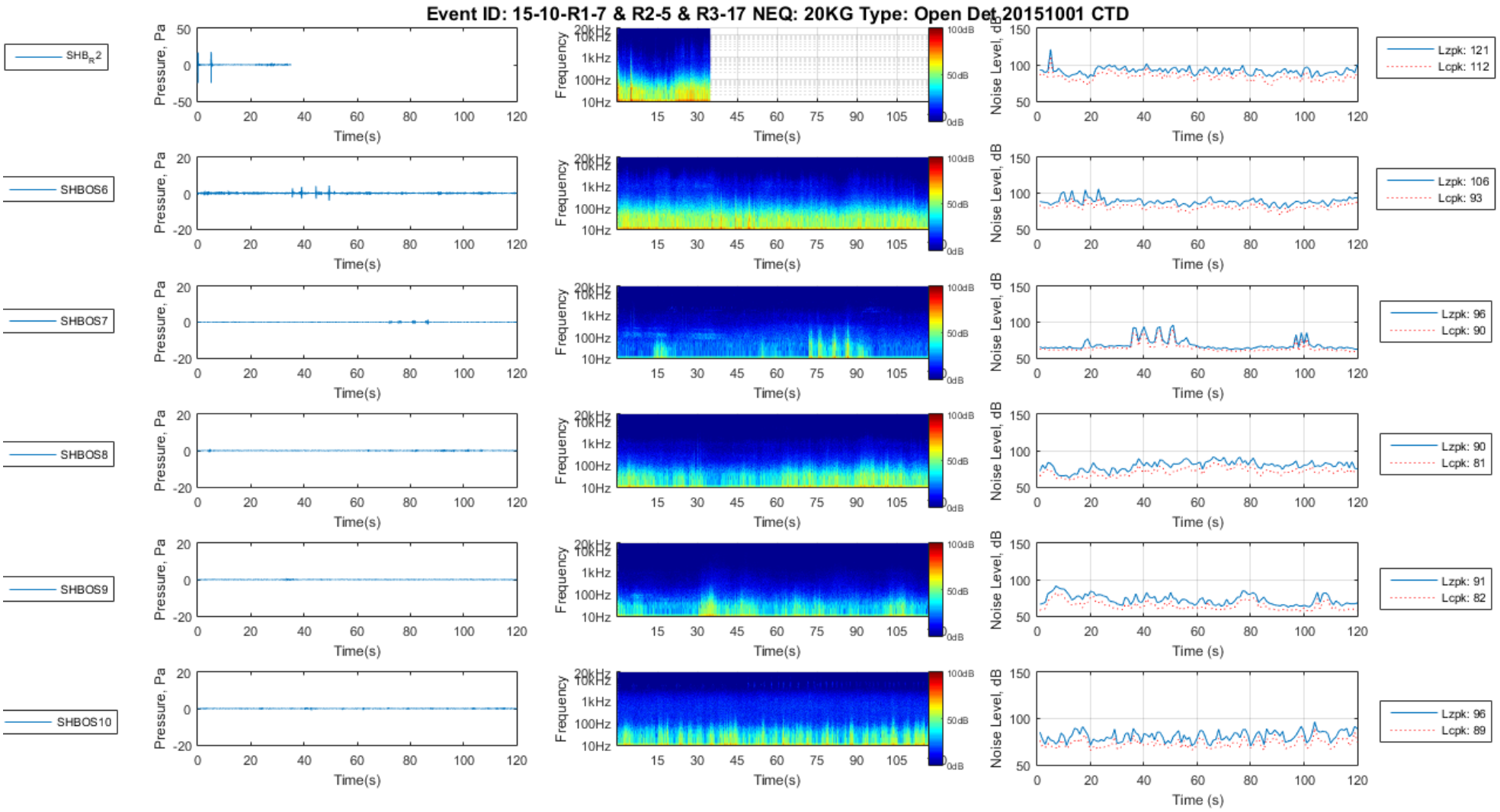


FIGURE 2.1407: SHB_OS 6 - 10 15-10-R1-7 & R2-5 & R3-17

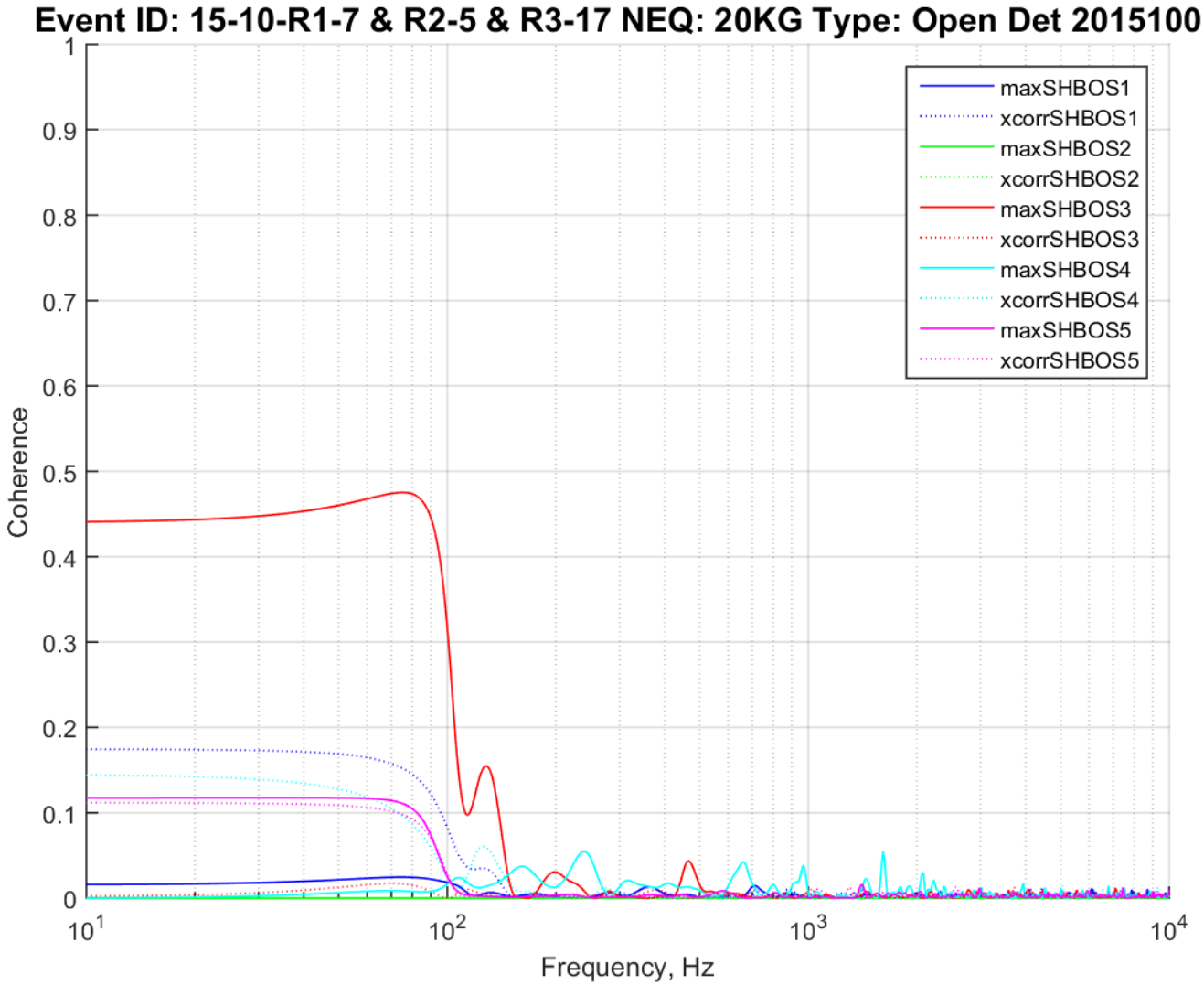


FIGURE 2.1408: COHERENCE SHB_OS 1 - 5 15-10-R1-7 & R2-5 & R3-17

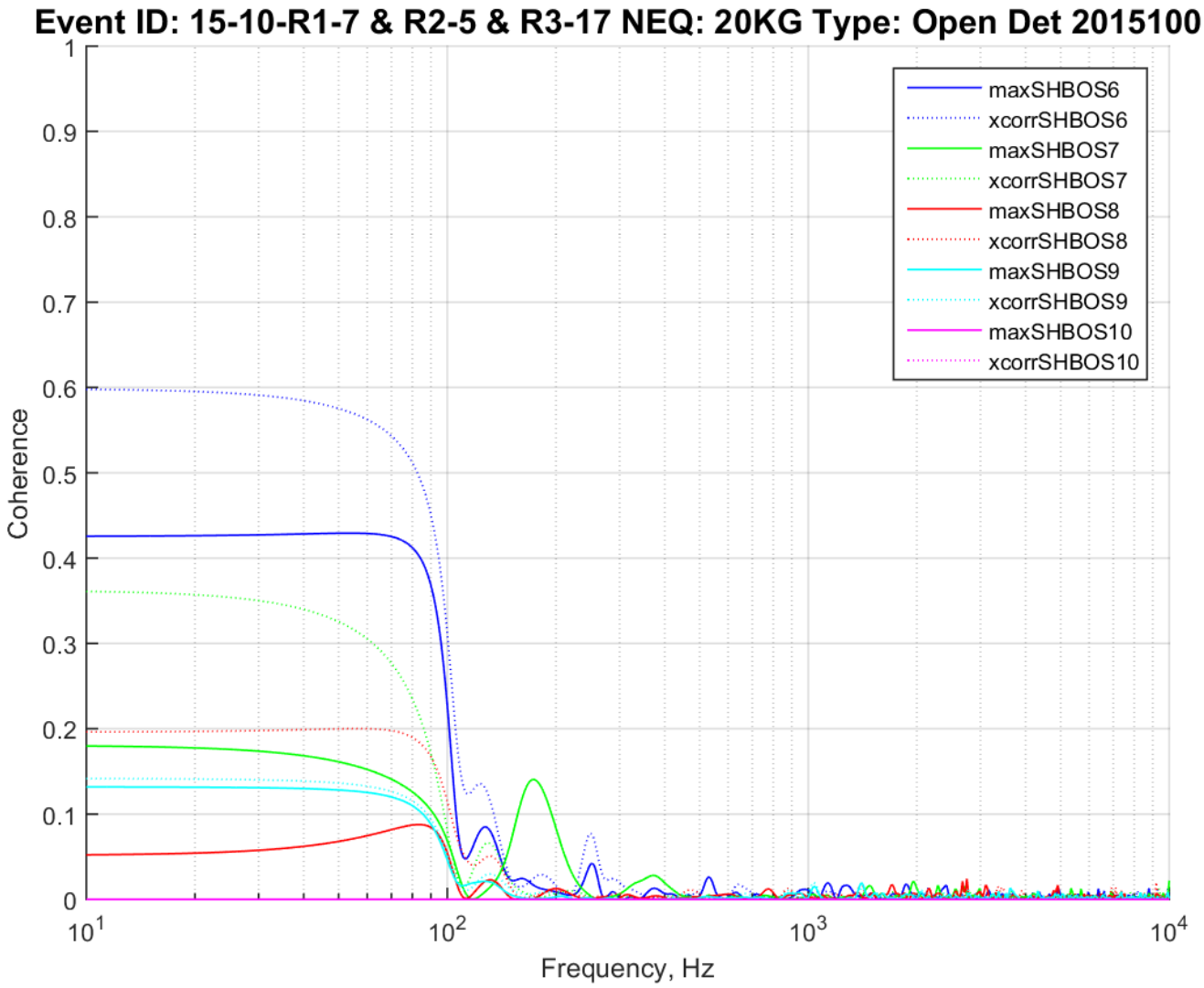


FIGURE 2.1409: COHERENCE SHB_OS 6 - 10 15-10-R1-7 & R2-5 & R3-17CTD

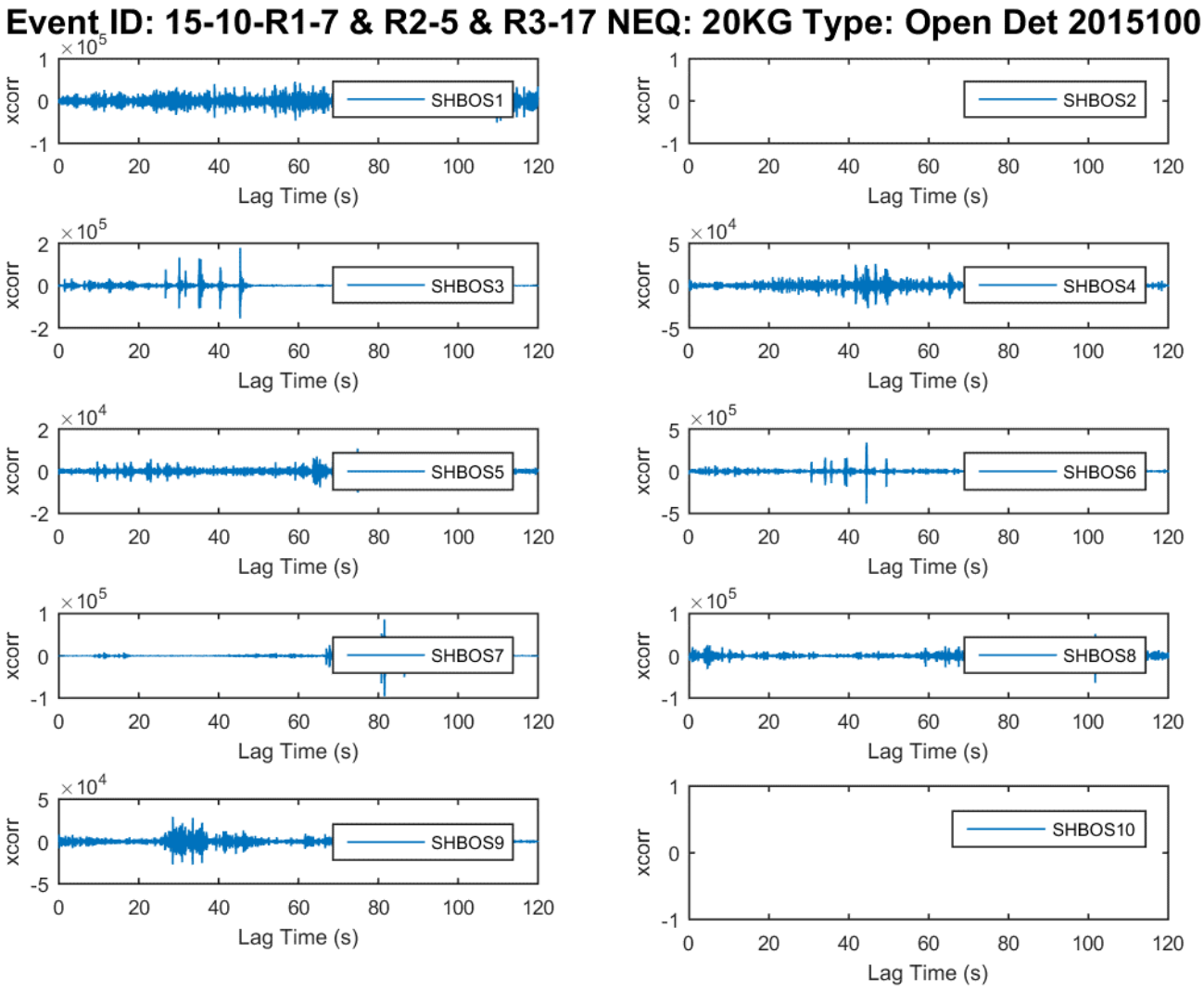


FIGURE 2.1410: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-7 & R2-5 & R3-17

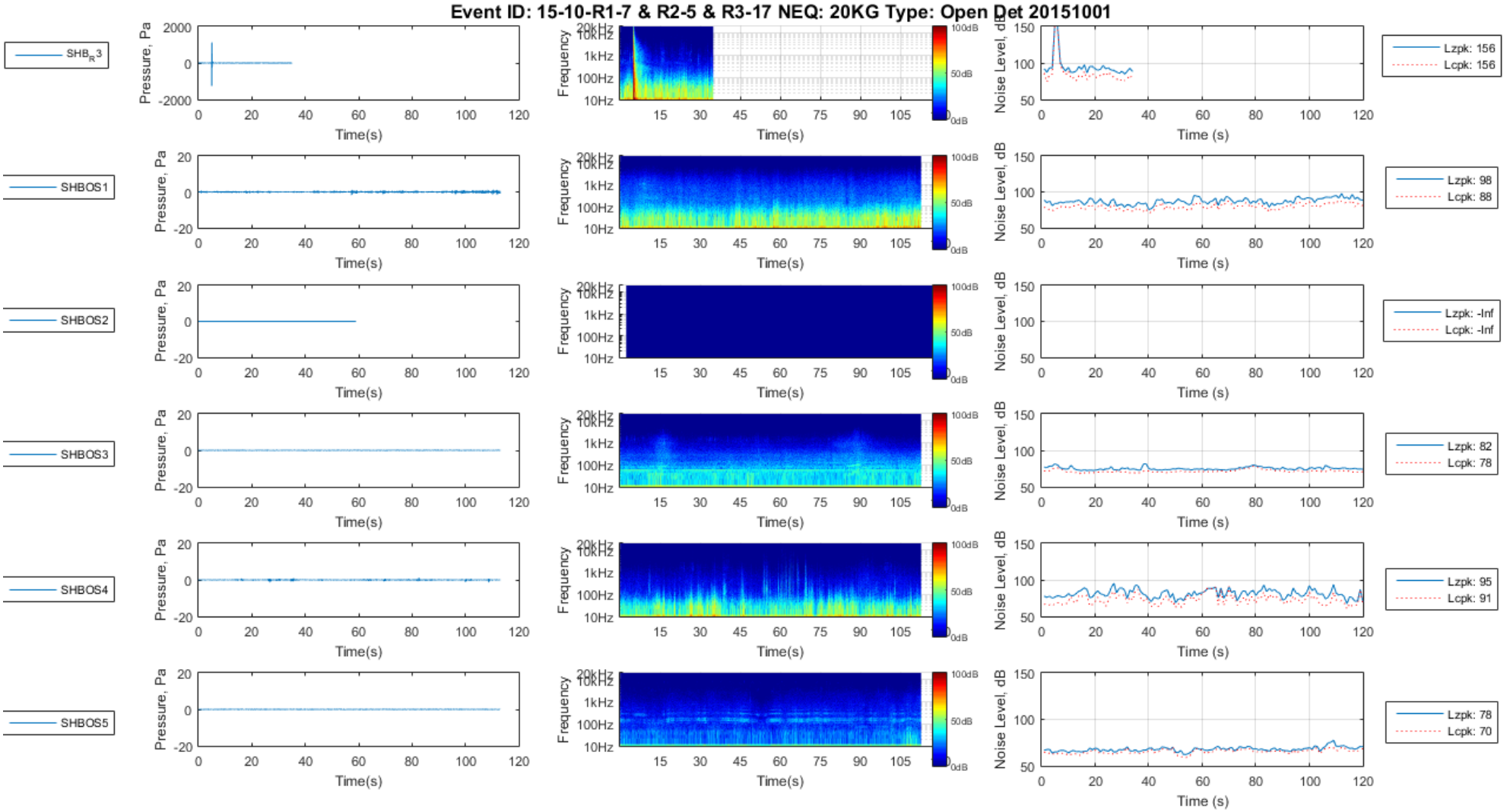


FIGURE 2.1411: SHB_OS 1 - 5 15-10-R1-7 & R2-5 & R3-17

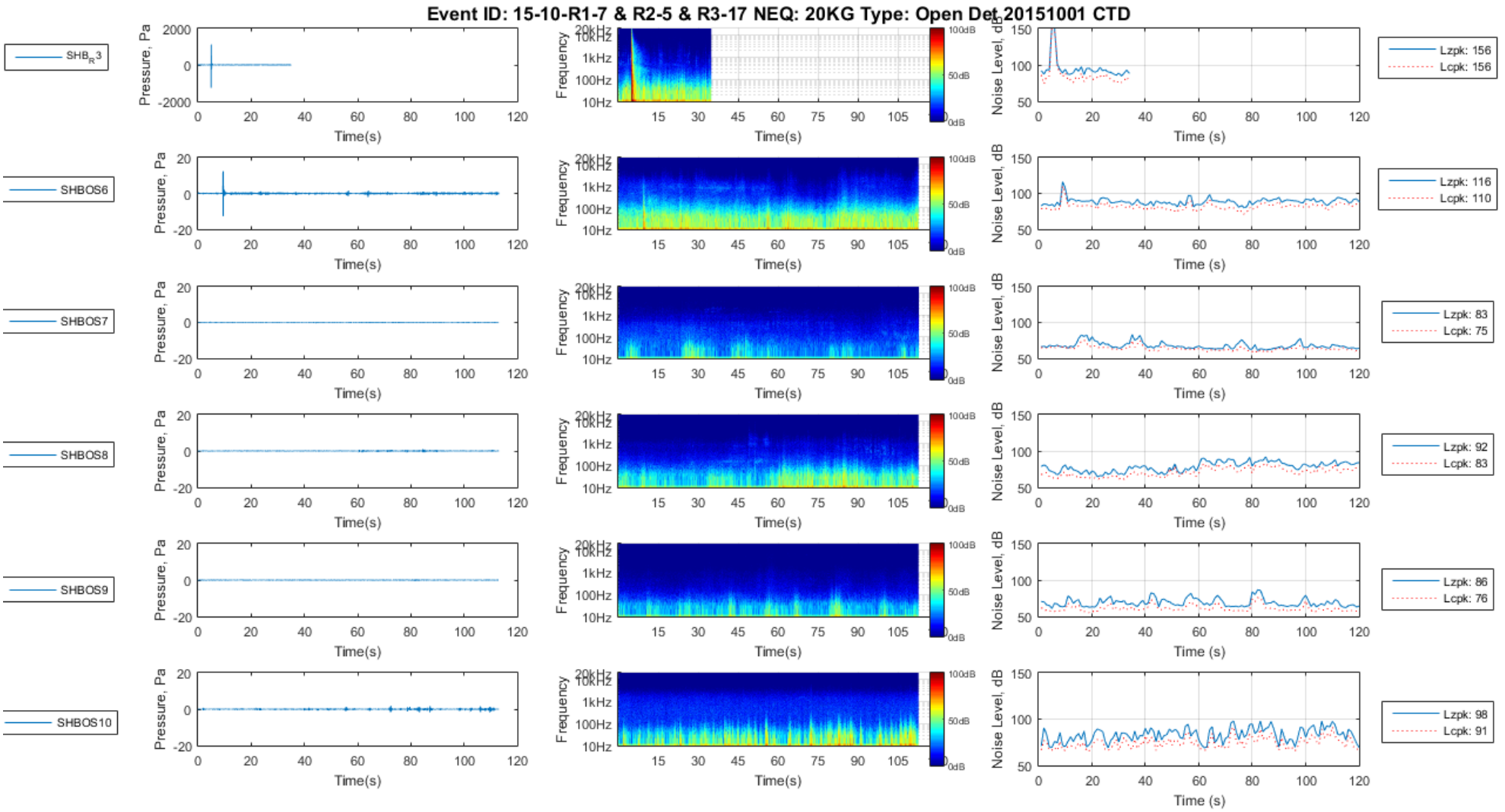


FIGURE 2.1412: SHB_OS 6 - 10 15-10-R1-7 & R2-5 & R3-17

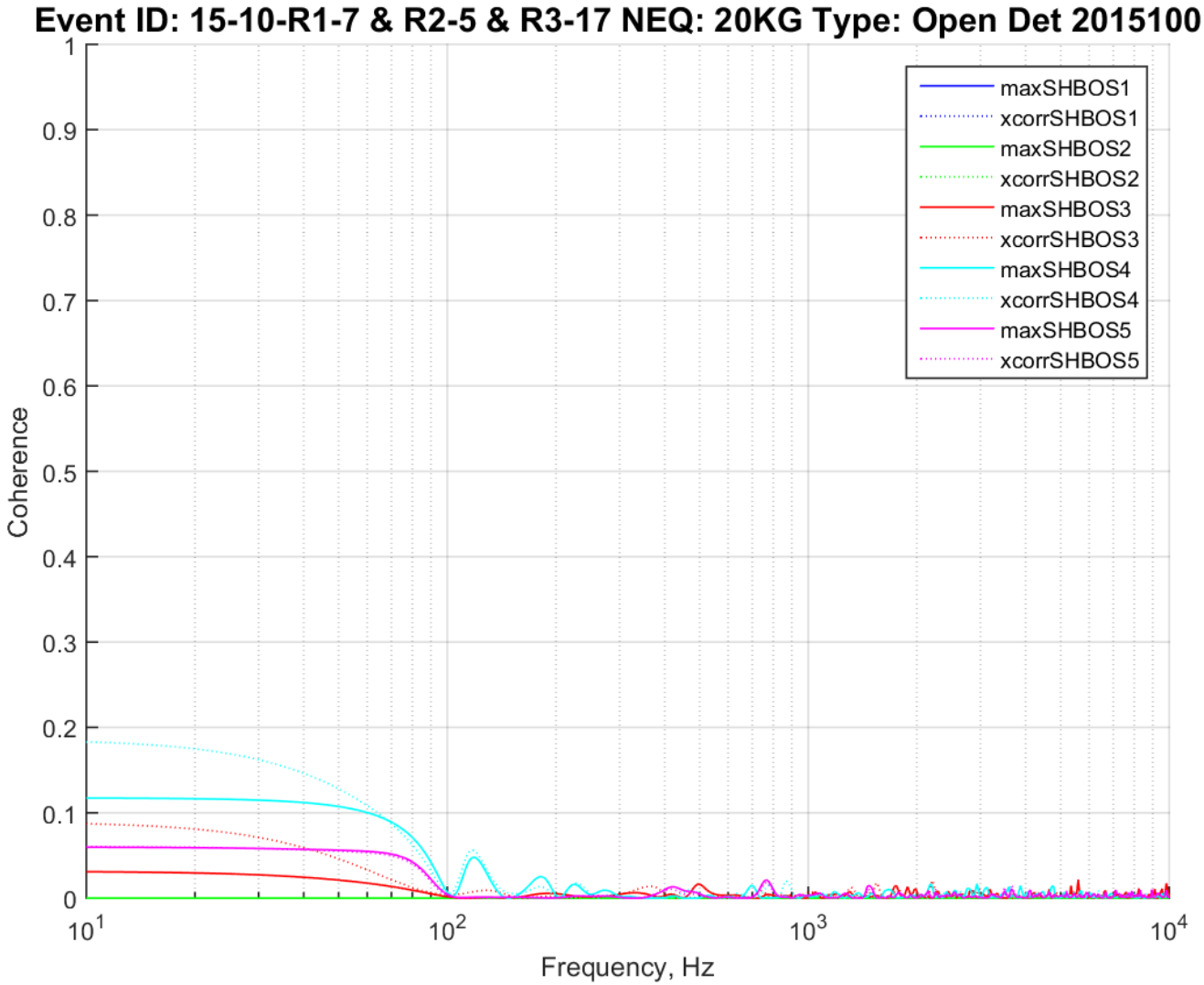


FIGURE 2.1413: COHERENCE SHB_OS 1 - 5 15-10-R1-7 & R2-5 & R3-17

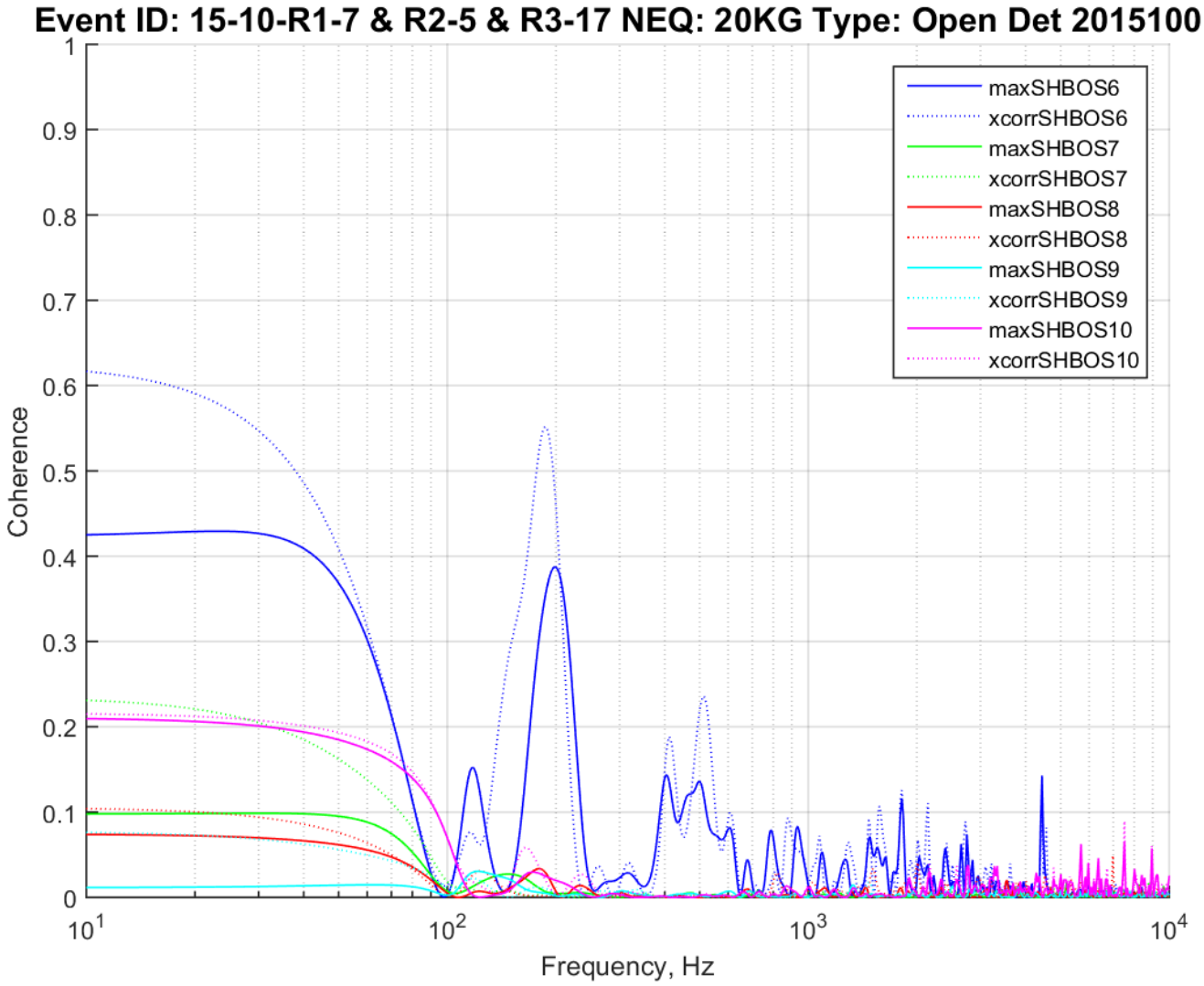


FIGURE 2.1414: COHERENCE SHB_OS 6 - 10 15-10-R1-7 & R2-5 & R3-17CTD

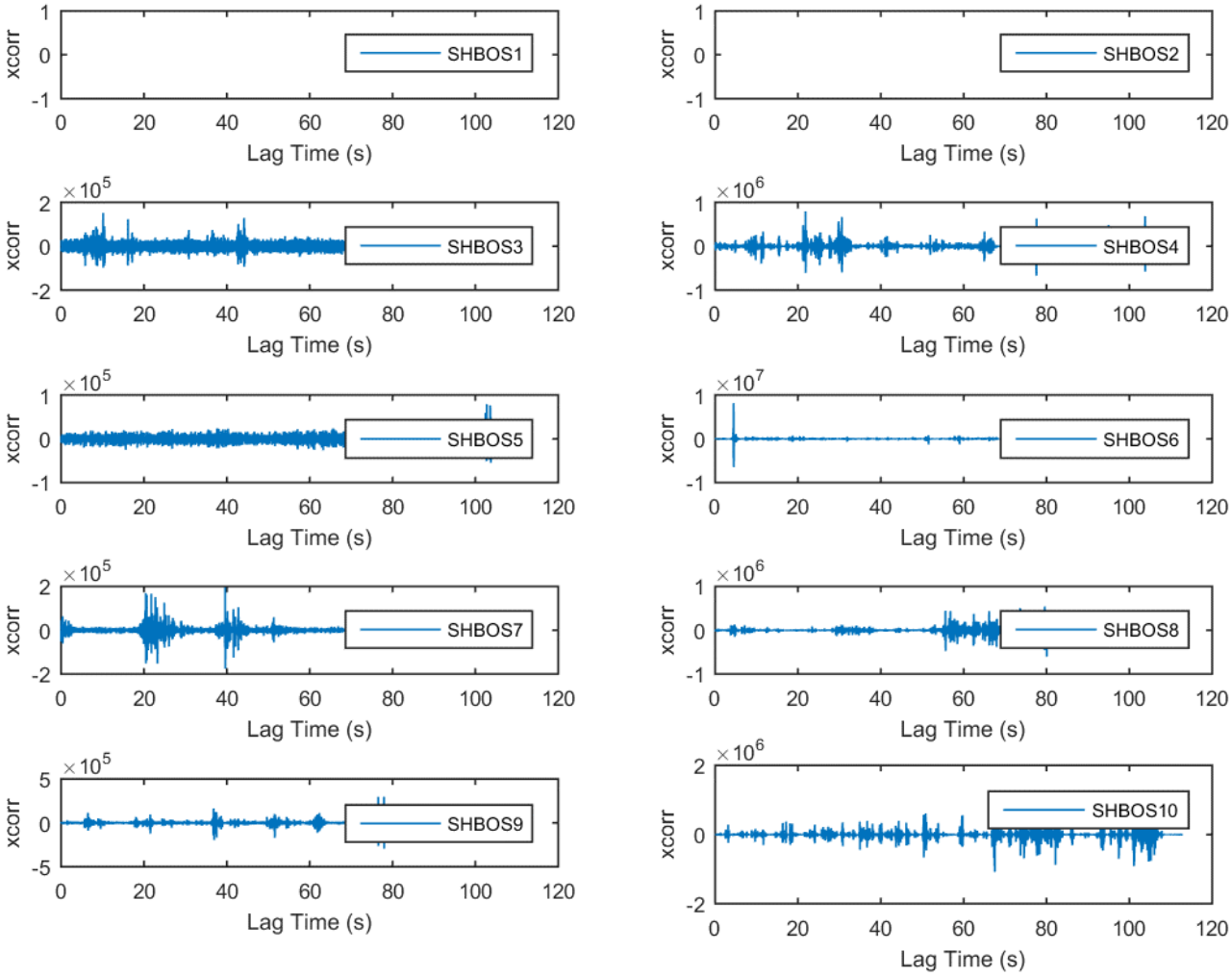


FIGURE 2.1415: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-7 & R2-5 & R3-17

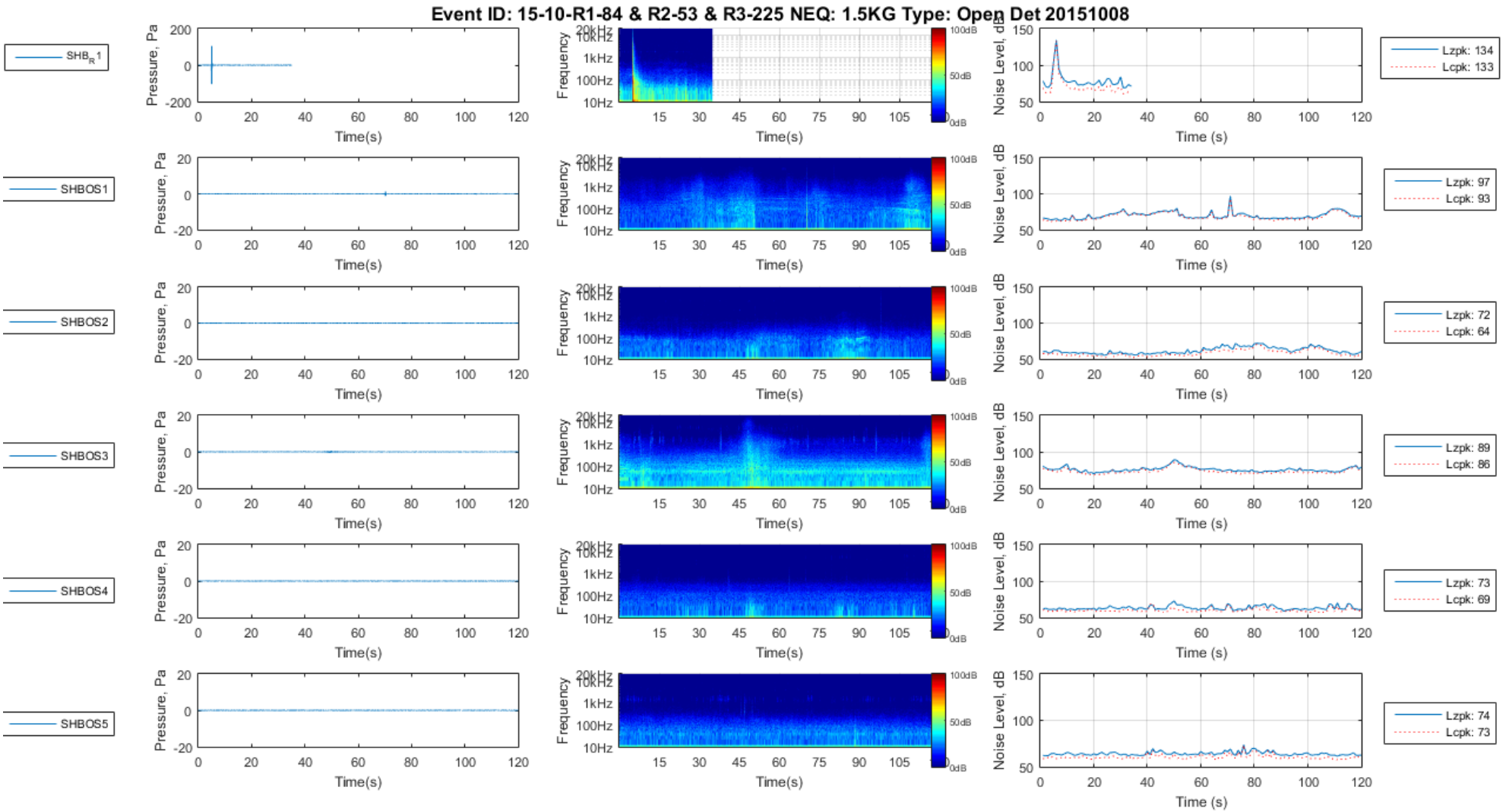


FIGURE 2.1416: SHB_OS 1 - 5 15-10-R1-84 & R2-53 & R3-225

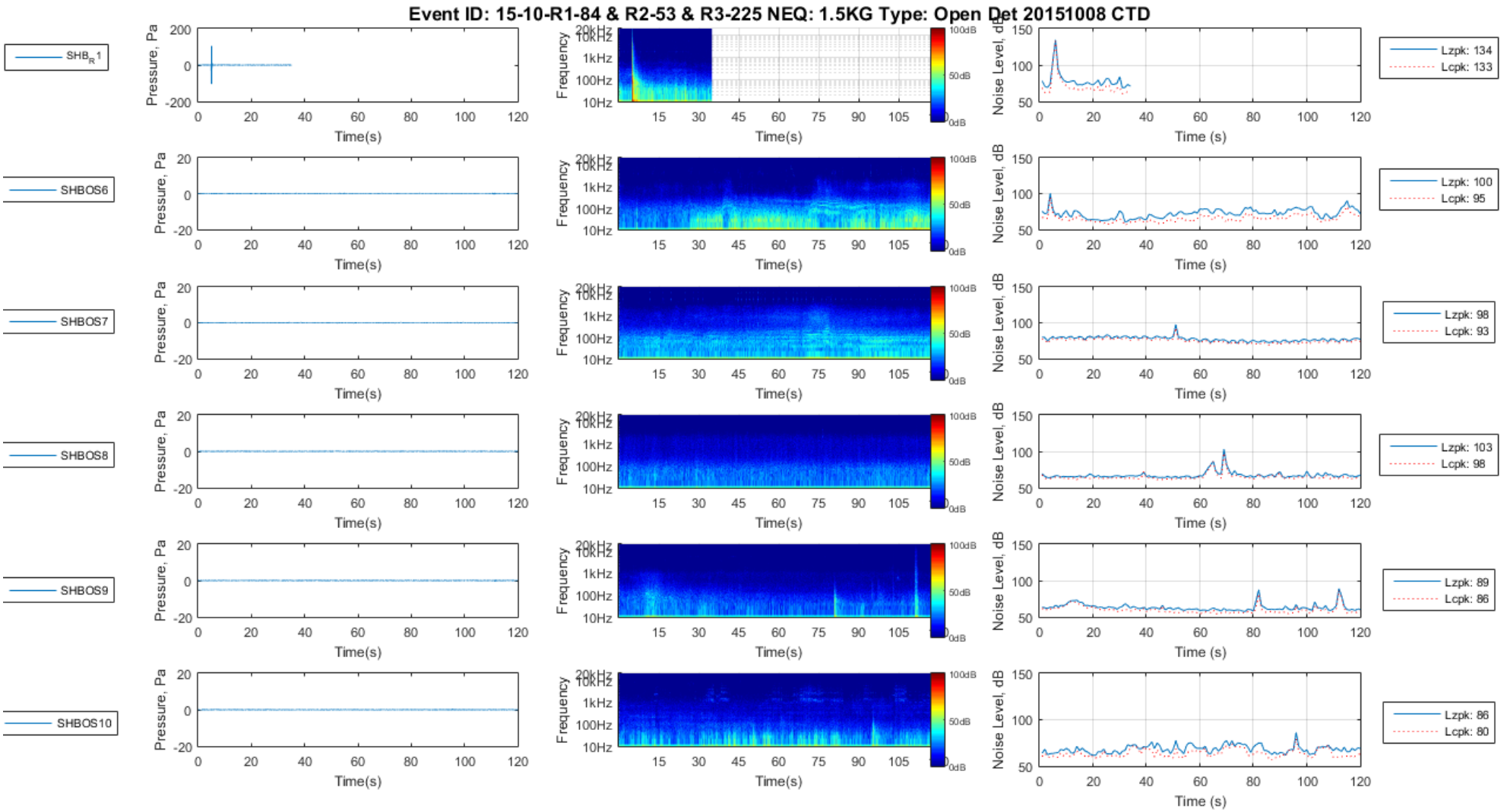


FIGURE 2.1417: SHB_OS 6 - 10 15-10-R1-84 & R2-53 & R3-225

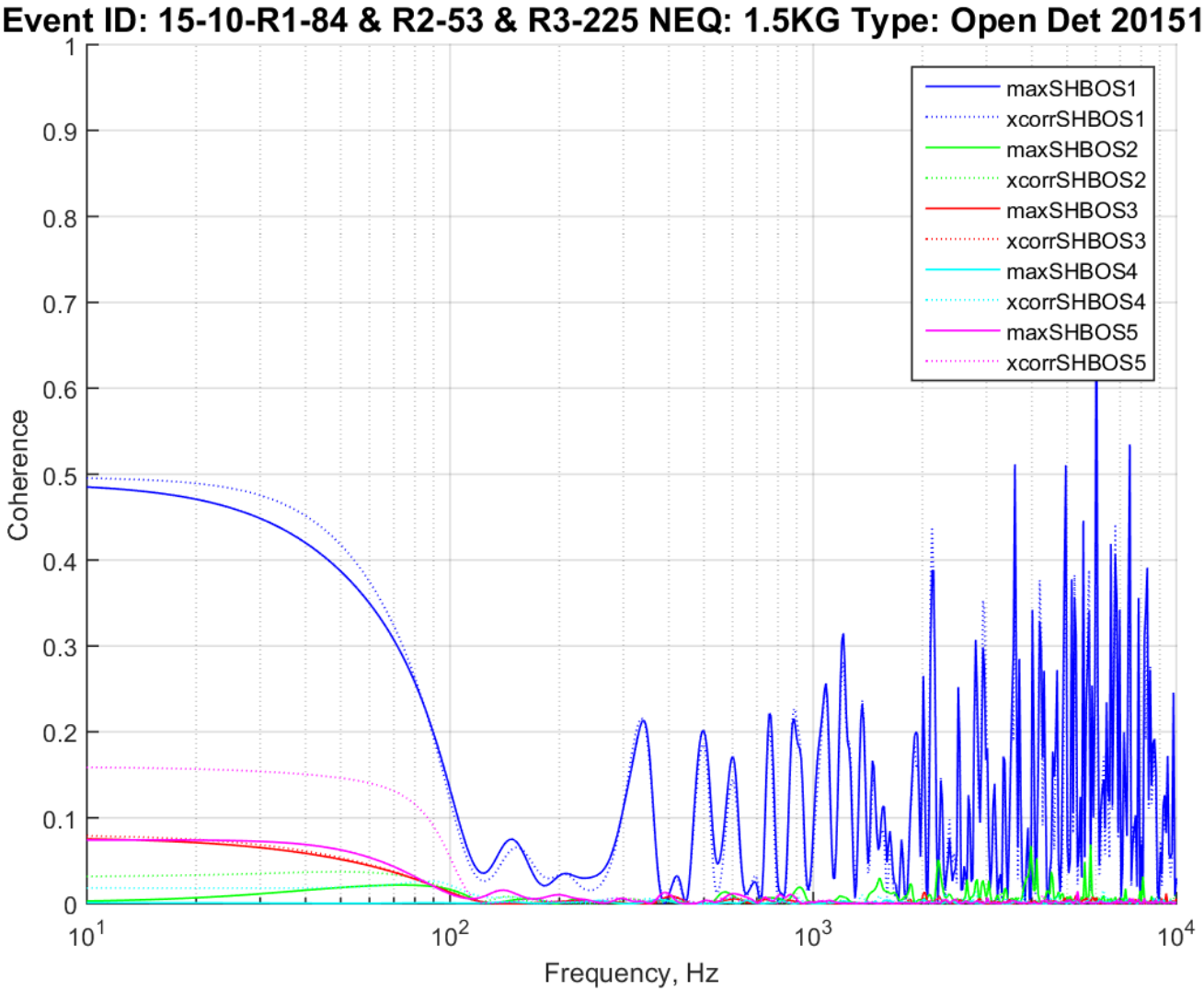


FIGURE 2.1418: COHERENCE SHB_OS 1 - 5 15-10-R1-84 & R2-53 & R3-225

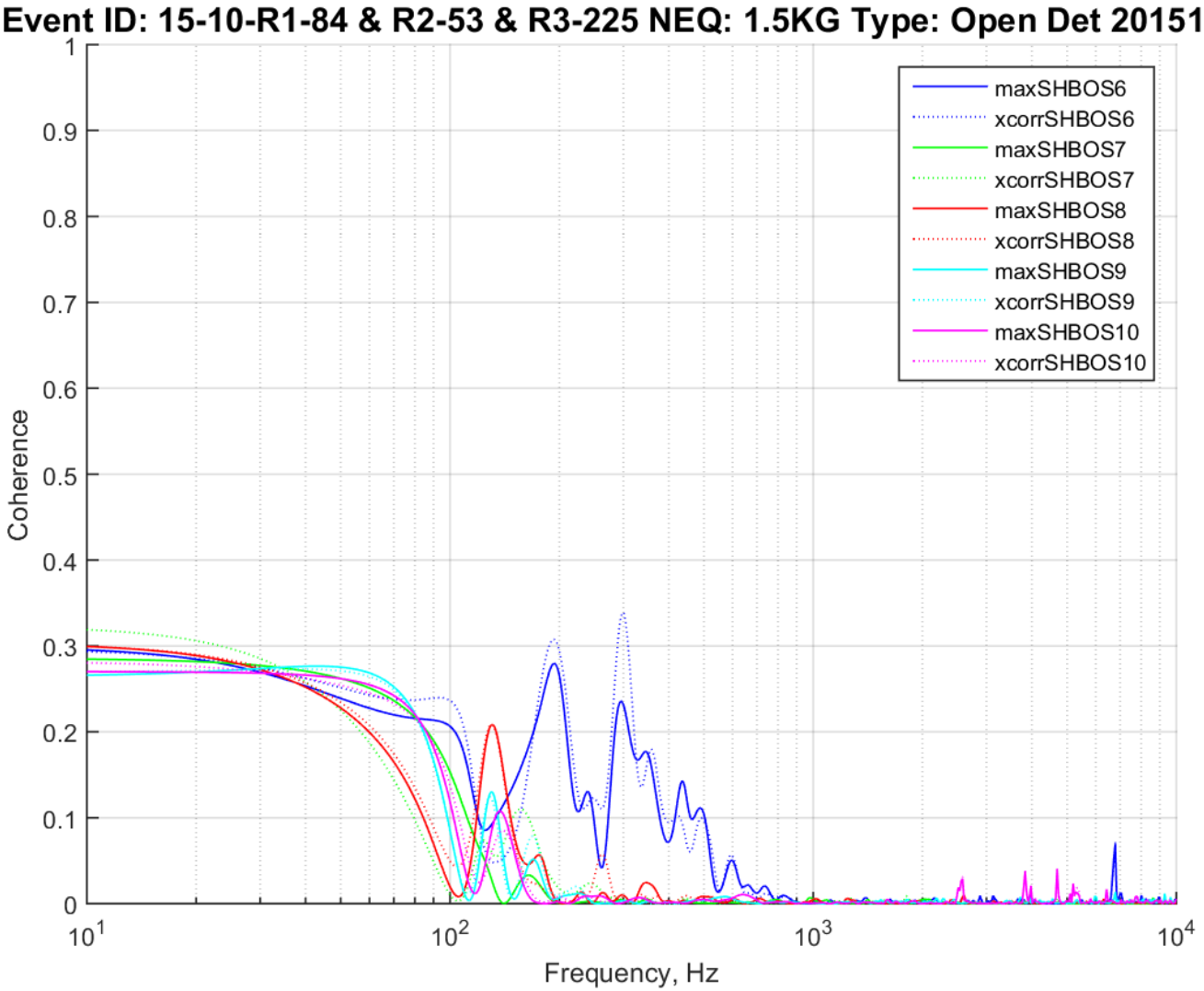


FIGURE 2.1419: COHERENCE SHB_OS 6 - 10 15-10-R1-84 & R2-53 & R3-225CTD

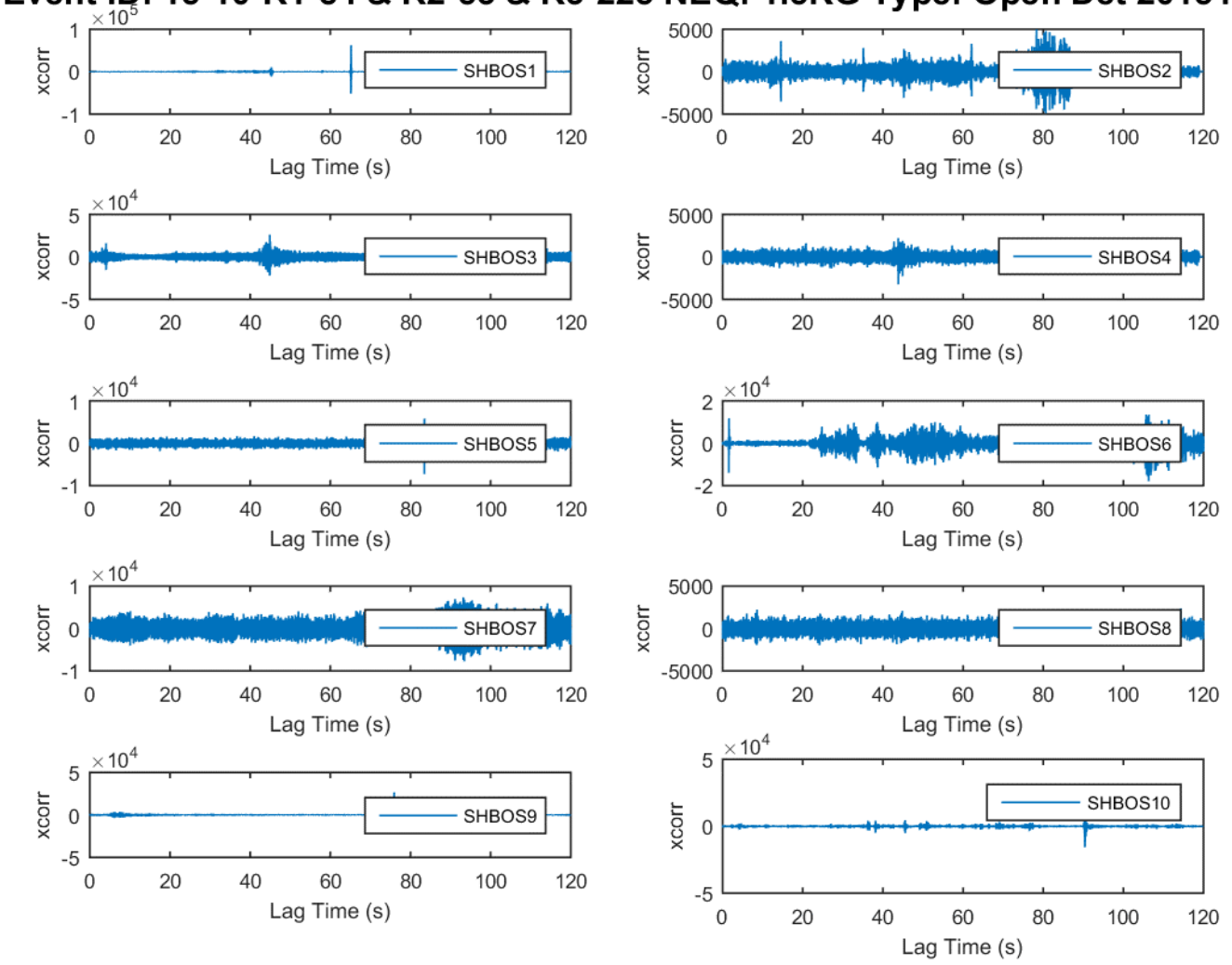


FIGURE 2.1420: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-84 & R2-53 & R3-225

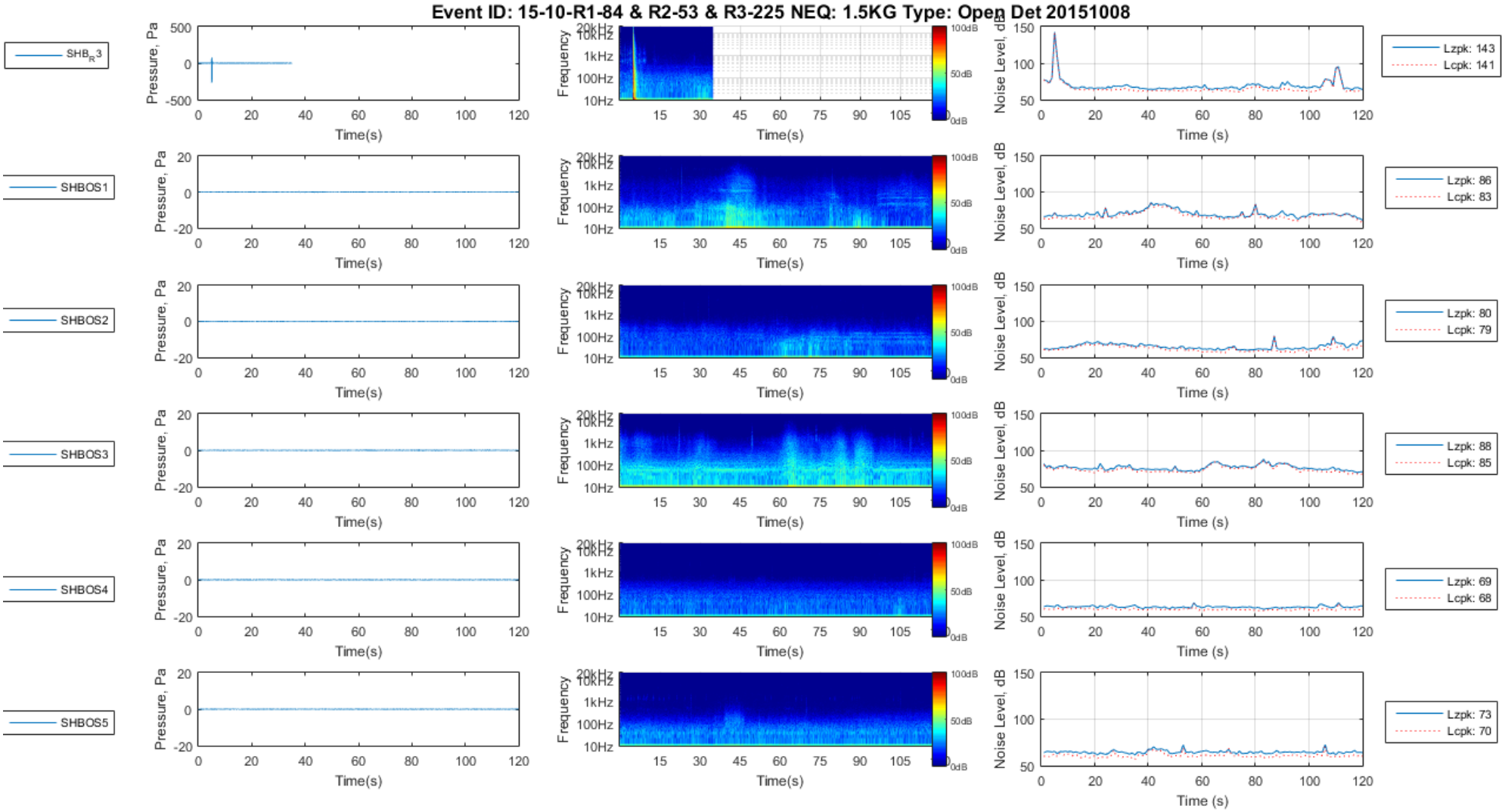


FIGURE 2.1421: SHB_OS 1 - 5 15-10-R1-84 & R2-53 & R3-225

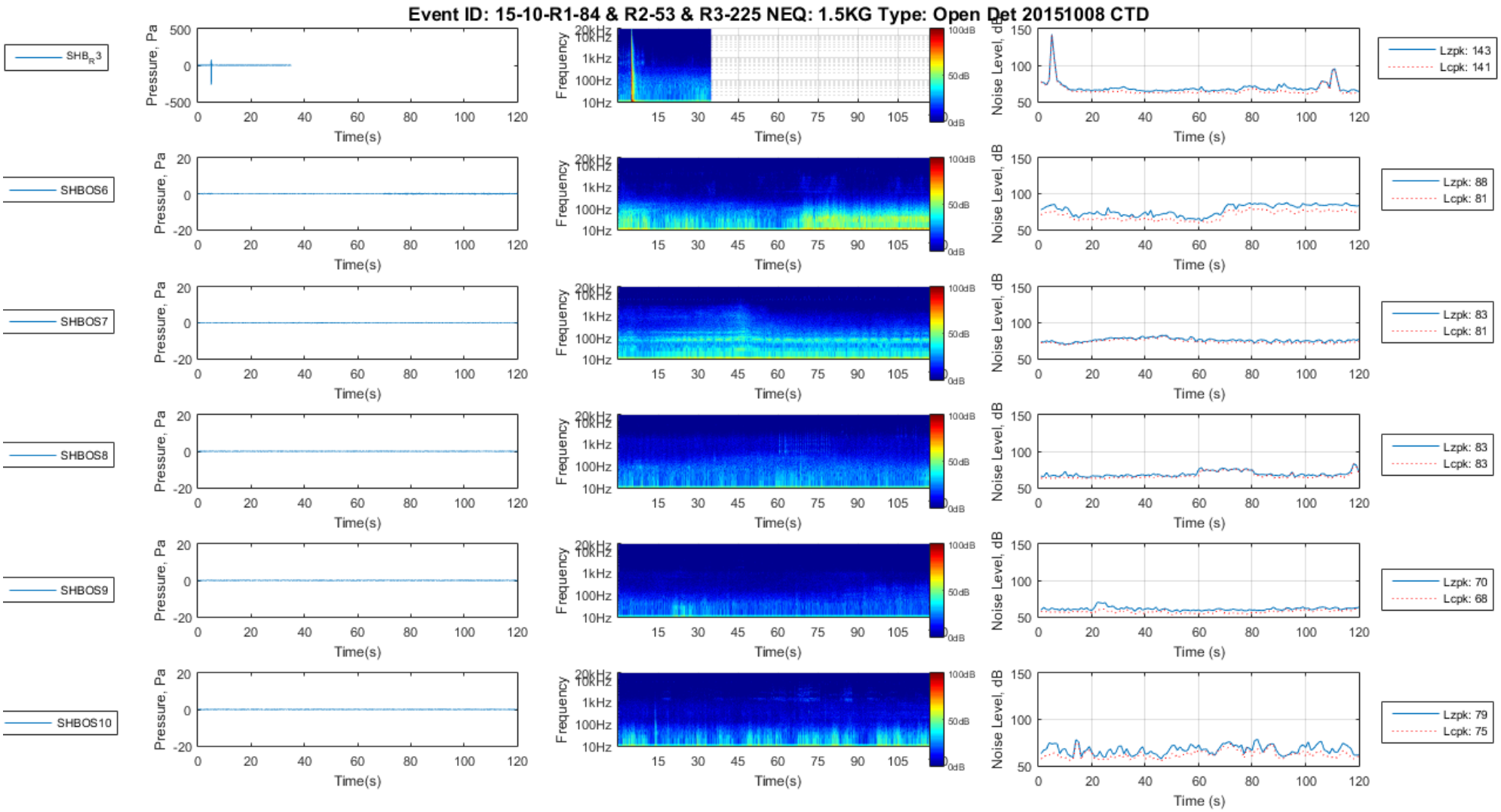


FIGURE 2.1422: SHB_OS 6 - 10 15-10-R1-84 & R2-53 & R3-225

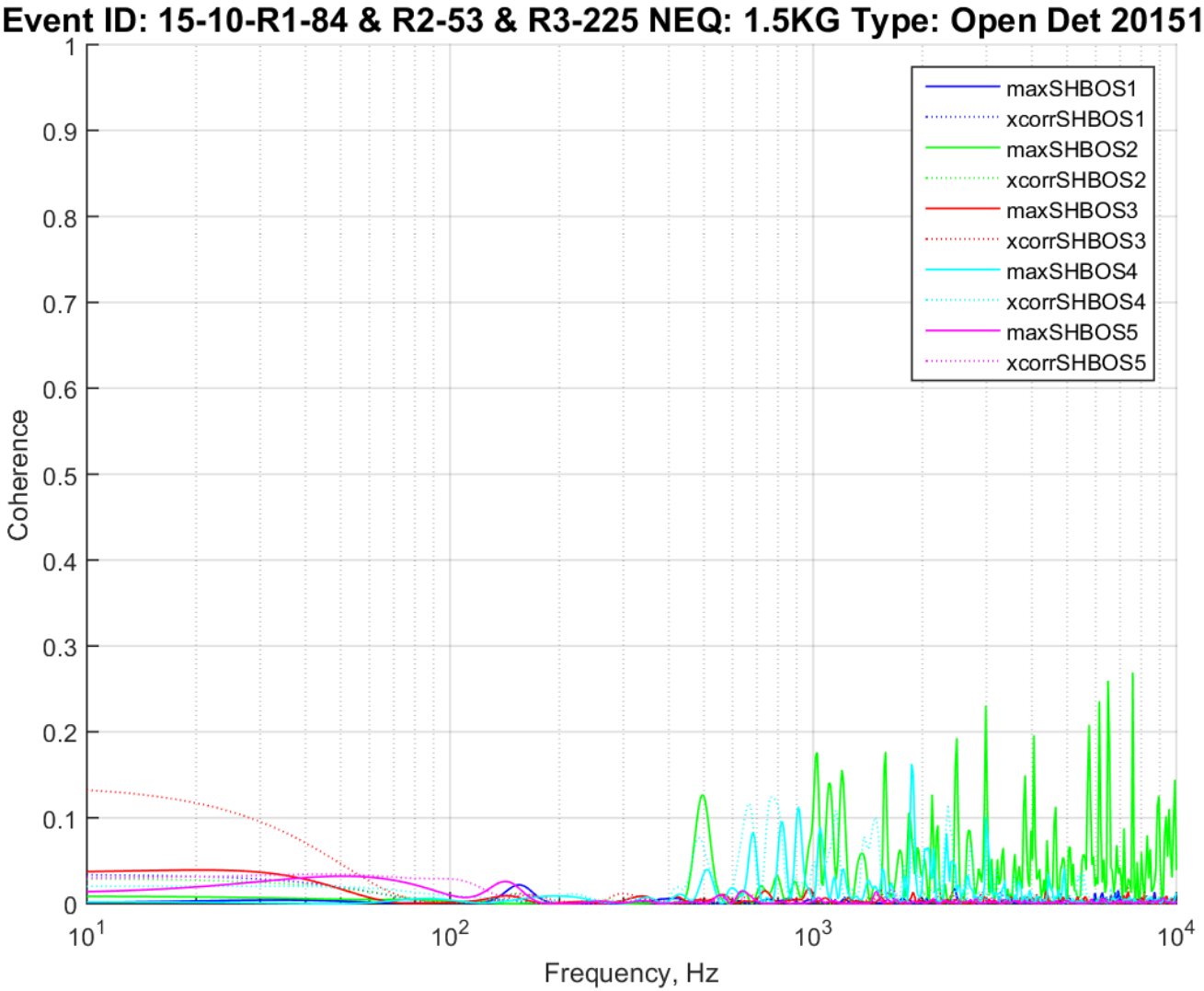


FIGURE 2.1423: COHERENCE SHB_OS 1 - 5 15-10-R1-84 & R2-53 & R3-225

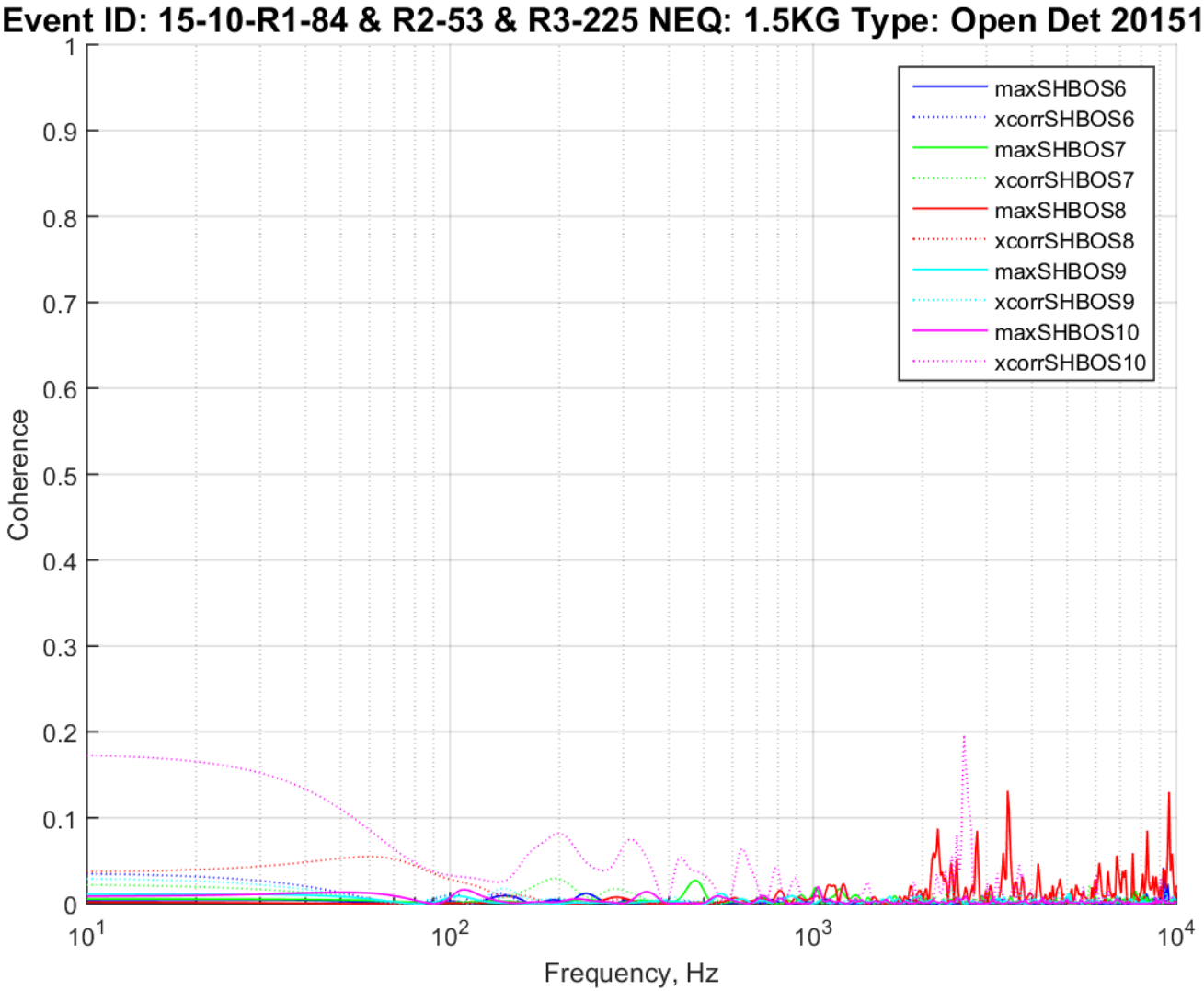


FIGURE 2.1424: COHERENCE SHB_OS 6 - 10 15-10-R1-84 & R2-53 & R3-225CTD

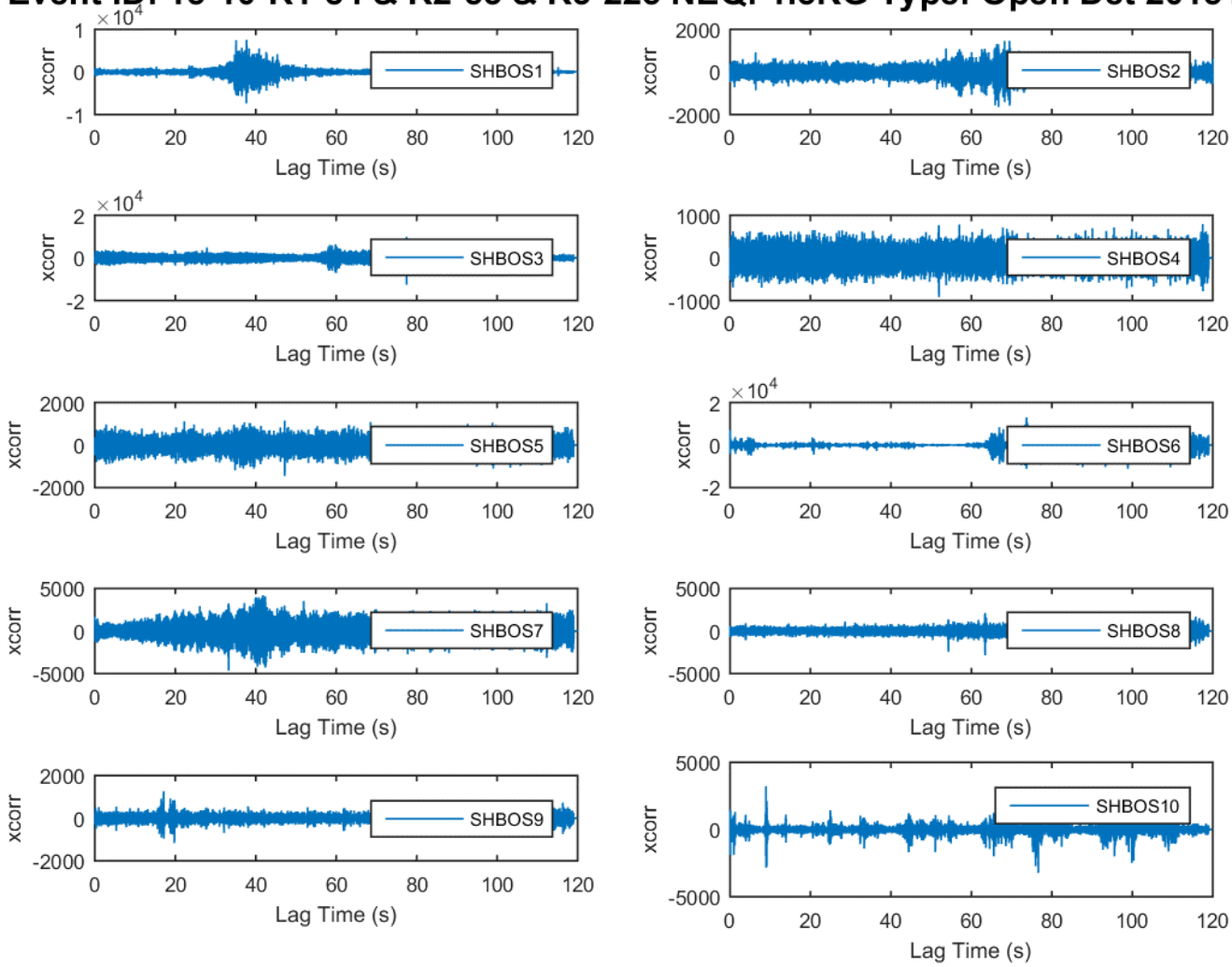


FIGURE 2.1425: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-84 & R2-53 & R3-225

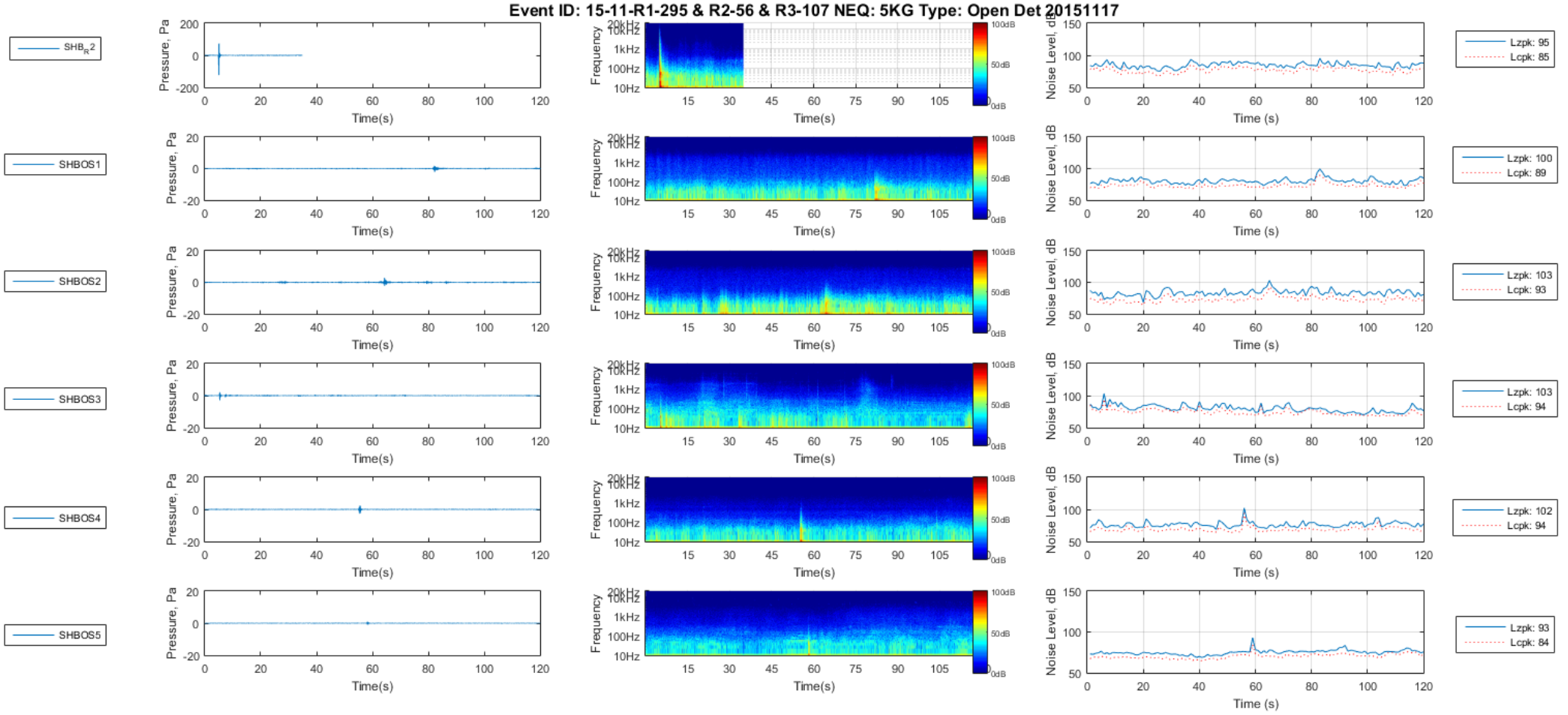


FIGURE 2.1426: SHB_OS 1 - 5 15-11-R1-295 & R2-56 & R3-107

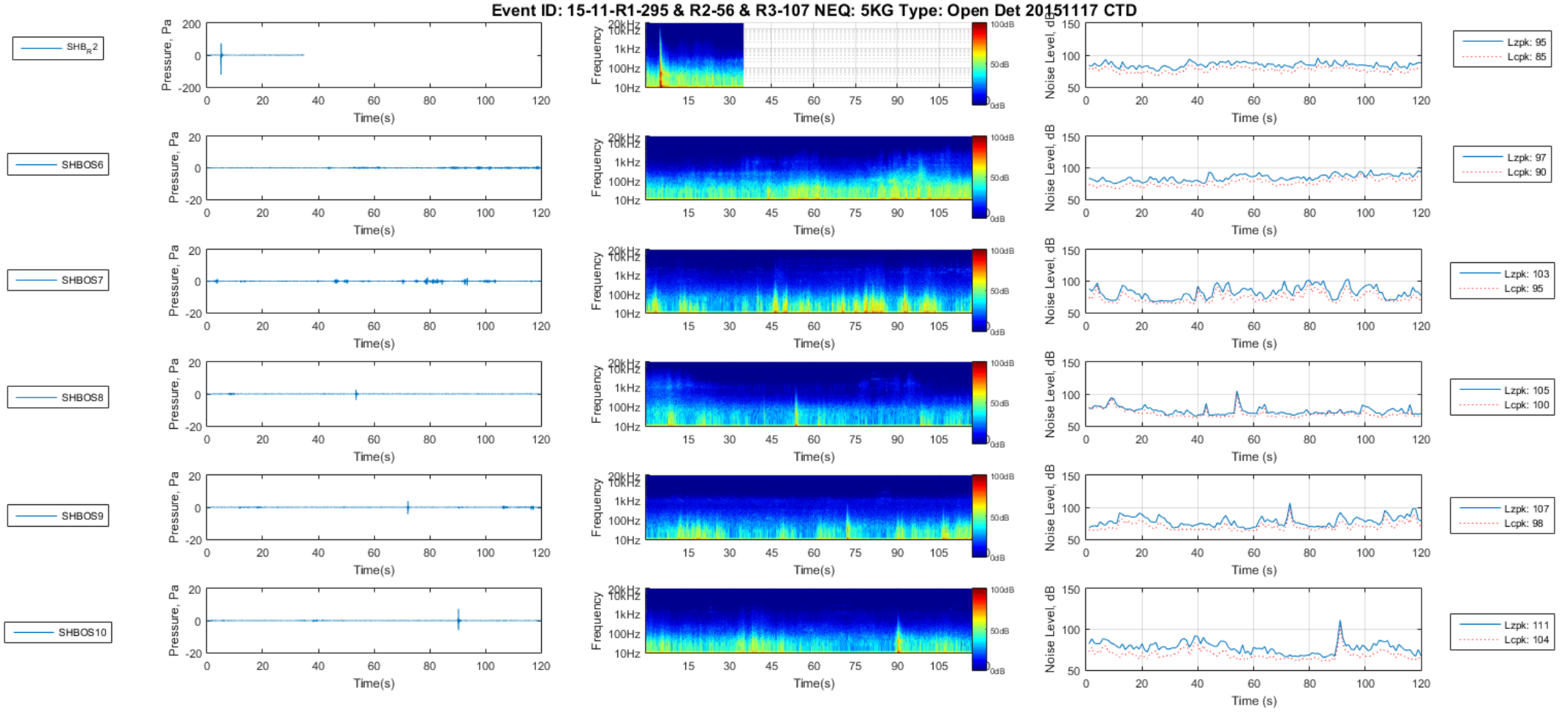
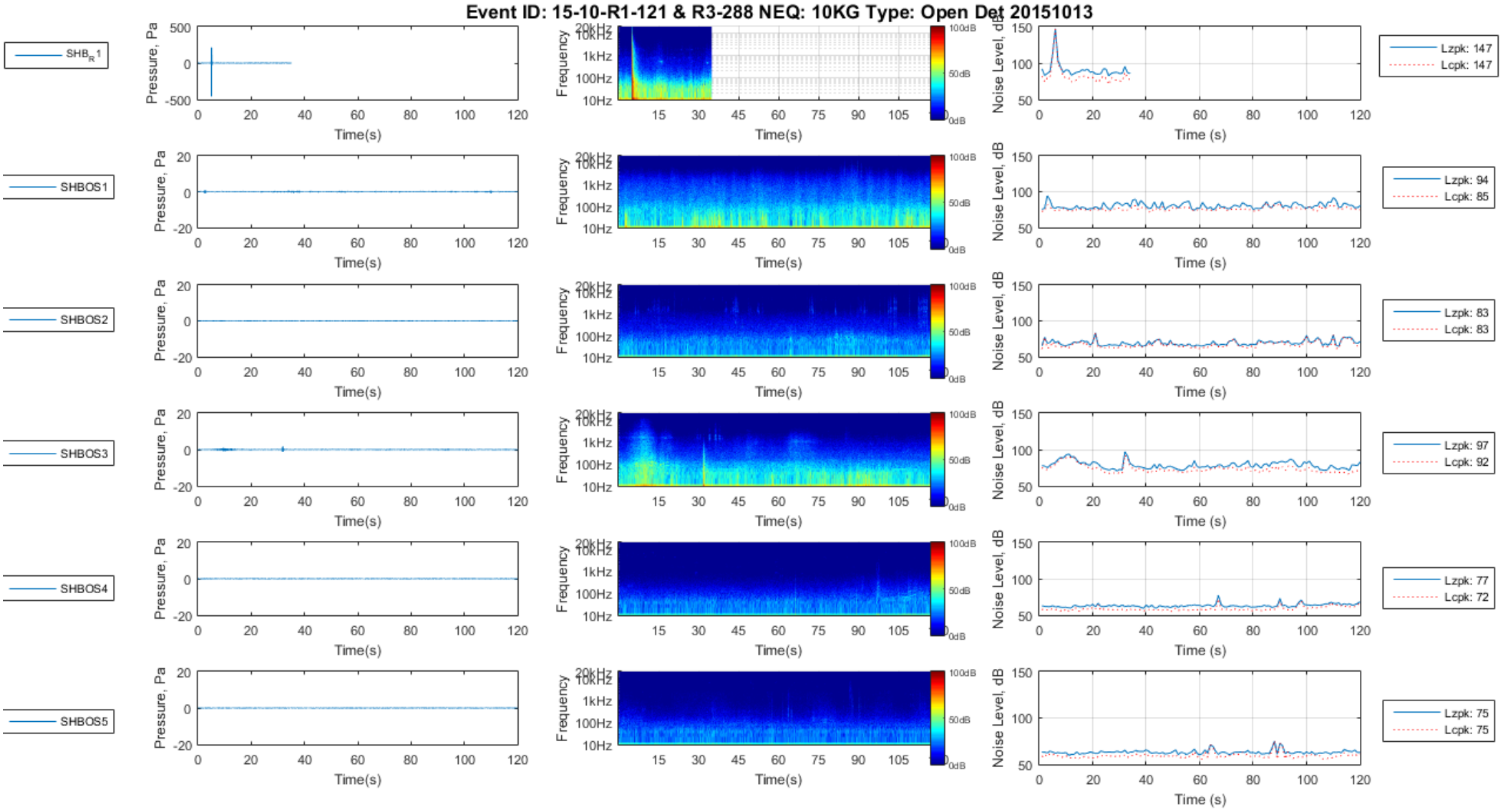
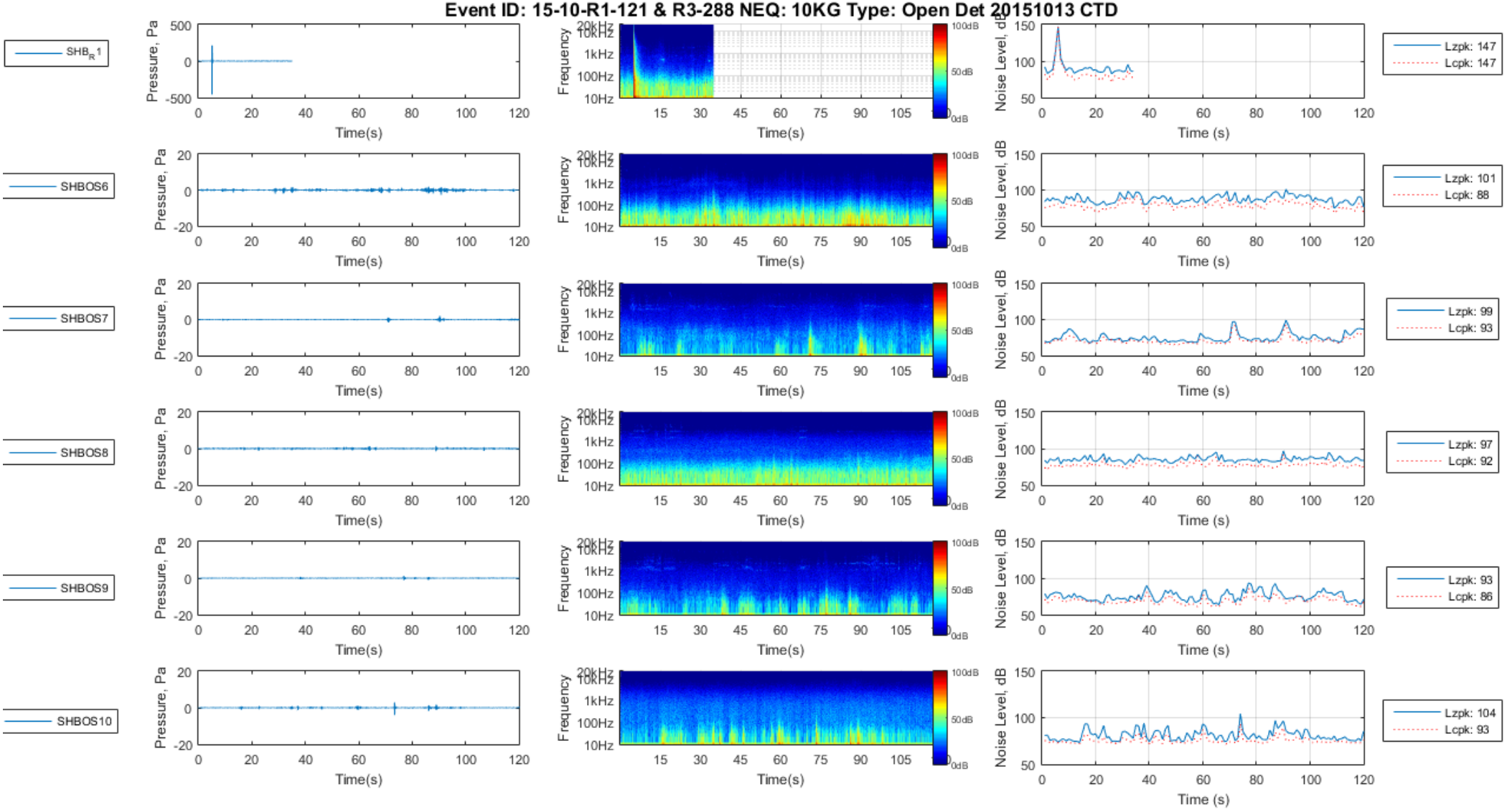


FIGURE 2.1427: SHB_OS 6 - 10 15-11-R1-295 & R2-56 & R3-107


Event ID: 15-10-R1-121 & R3-288 NEQ: 10KG Type: Open Det 20151013
SHB_R1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 147
Lcpk: 147
Lzpk: 94
Lcpk: 85
Lzpk: 83
Lcpk: 83
Lzpk: 97
Lcpk: 92
Lzpk: 77
Lcpk: 72
Lzpk: 75
Lcpk: 75


Event ID: 15-10-R1-121 & R3-288 NEQ: 10KG Type: Open Det 20151013 CTD
SHB_R1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Frequency
Noise Level, dB
Time(s)
Time (s)
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Lzpk: 147
Lcpk: 147
Lzpk: 101
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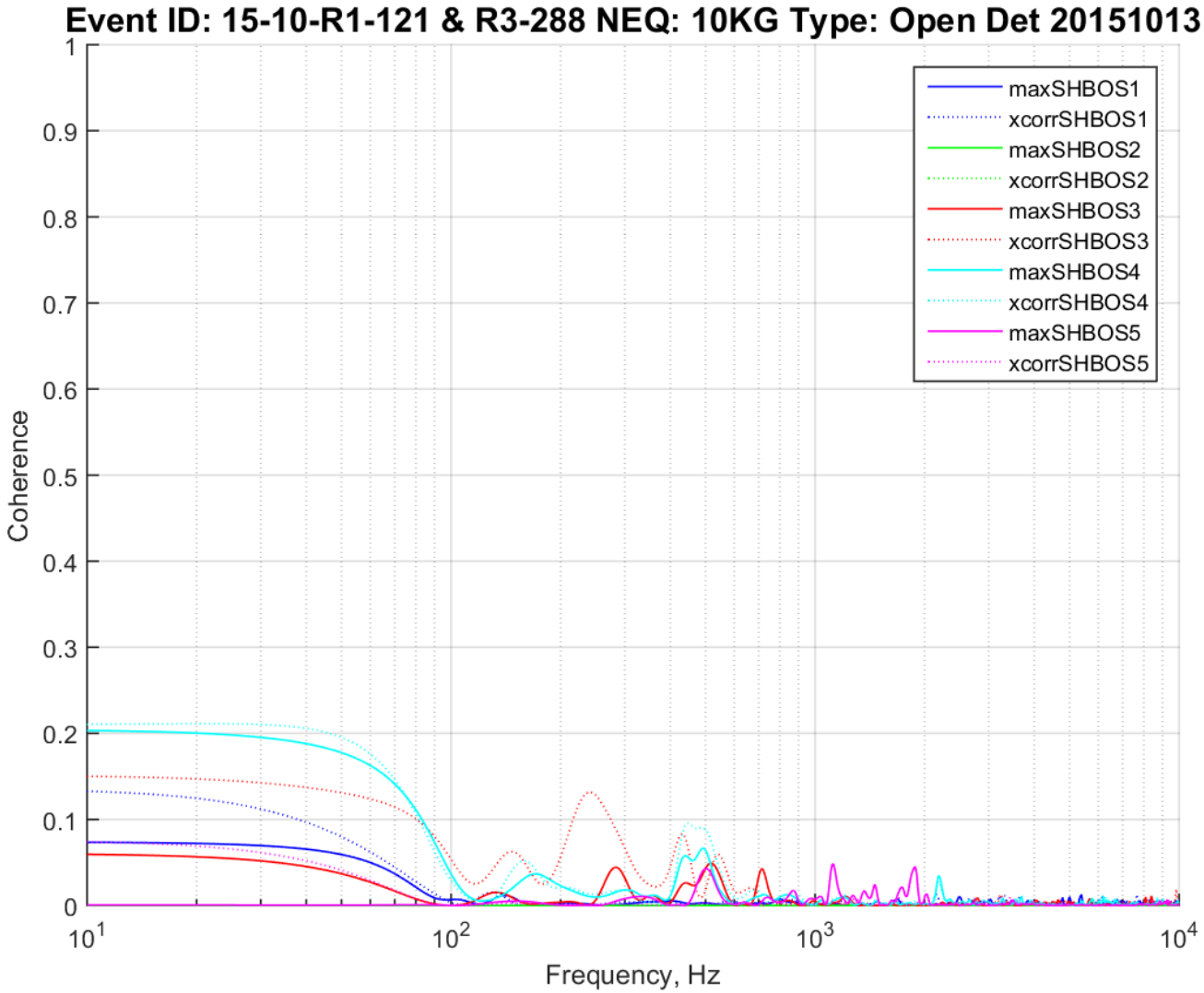


FIGURE 2.1430: COHERENCE SHB_OS 1 - 5 15-10-R1-121 & R3-288

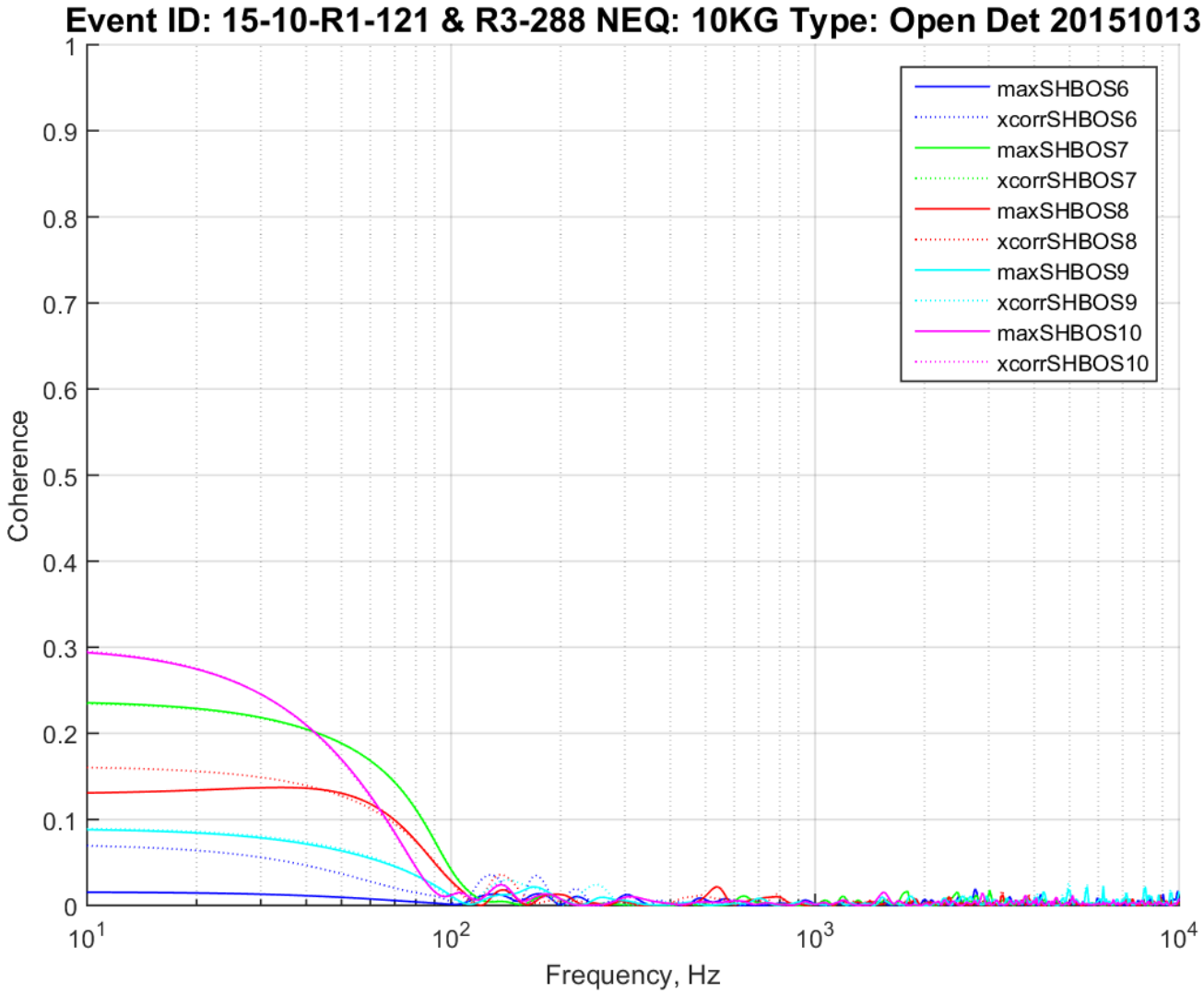


FIGURE 2.1431: COHERENCE SHB_OS 6 - 10 15-10-R1-121 & R3-288CTD

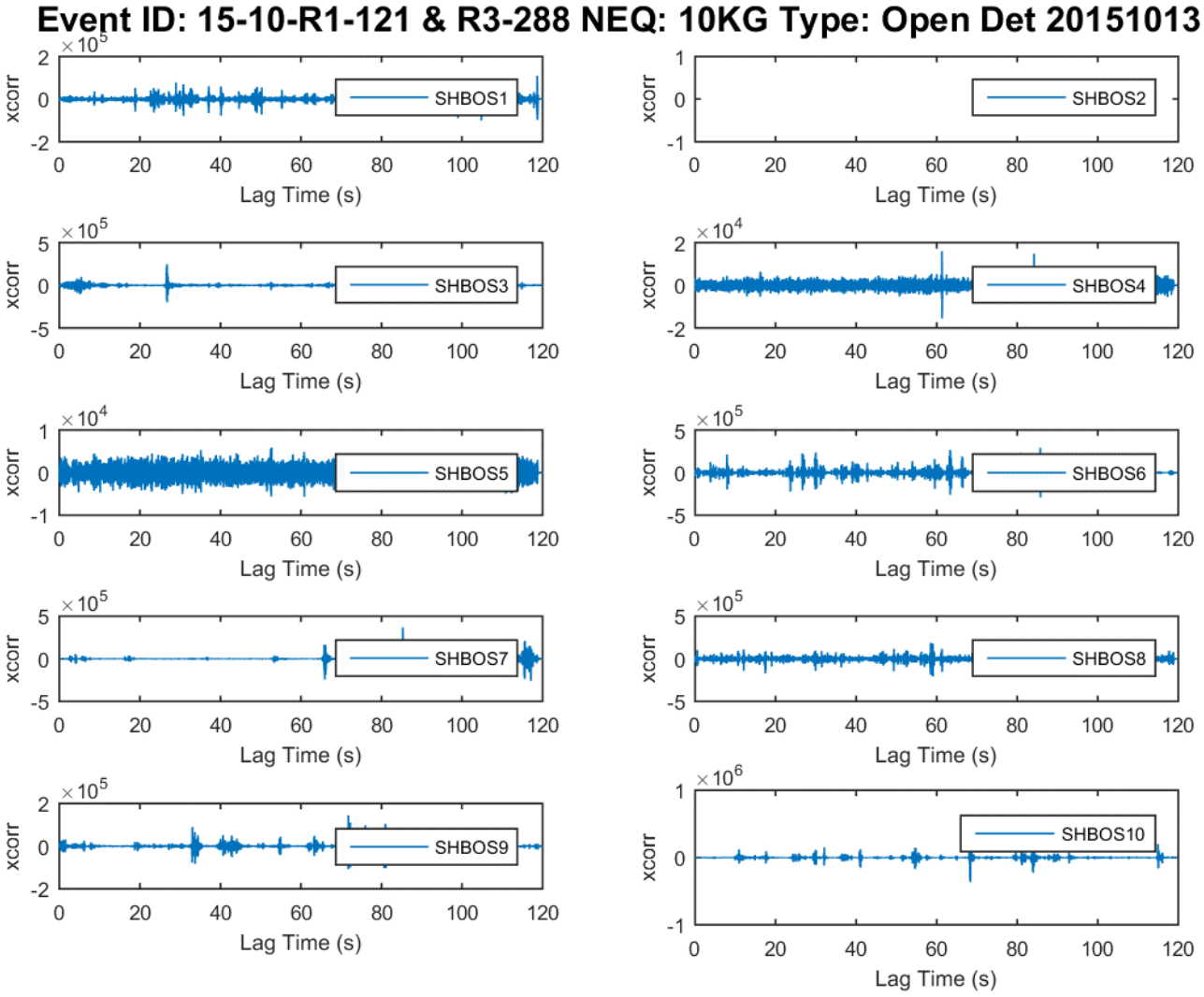


FIGURE 2.1432: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-121 & R3-288

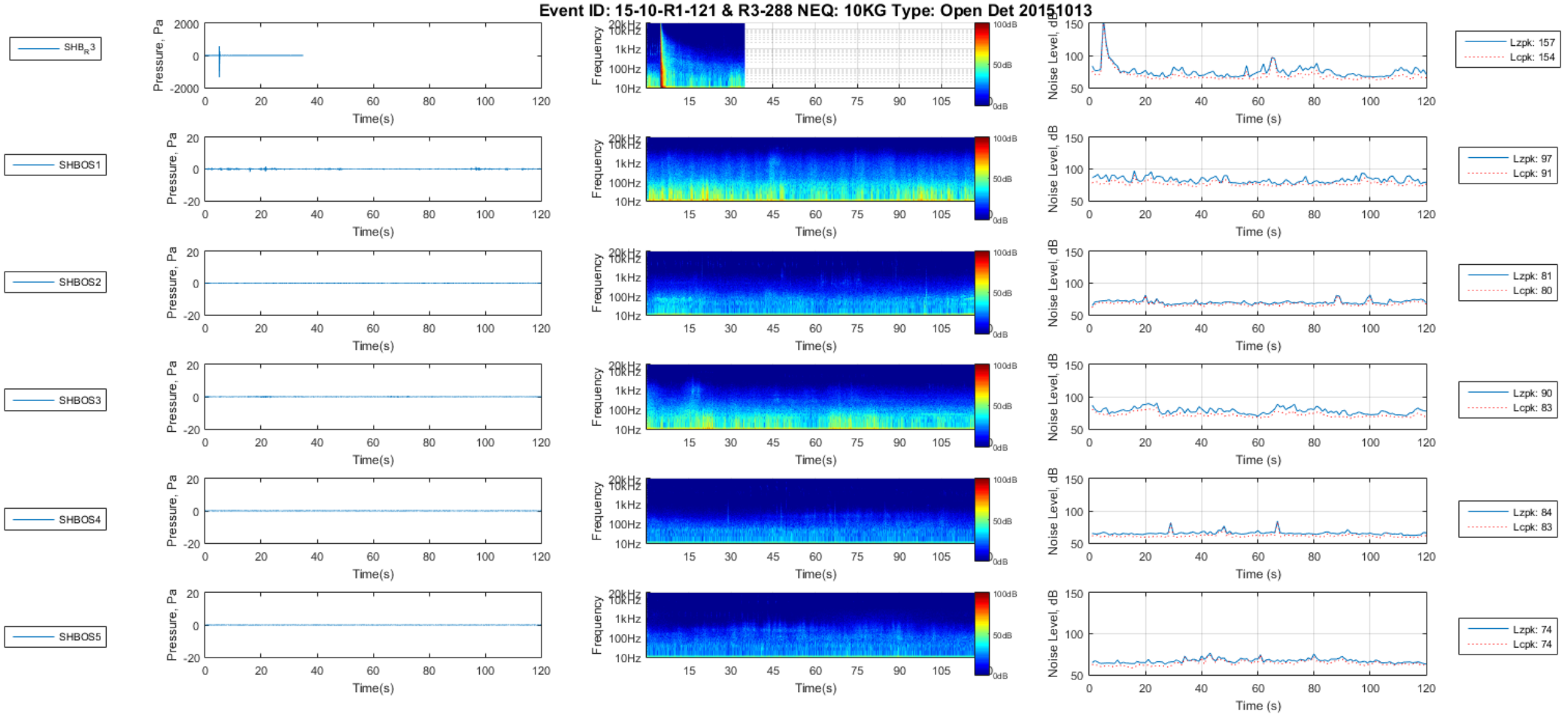


FIGURE 2.1433: SHB_OS 1 - 5 15-10-R1-121 & R3-288

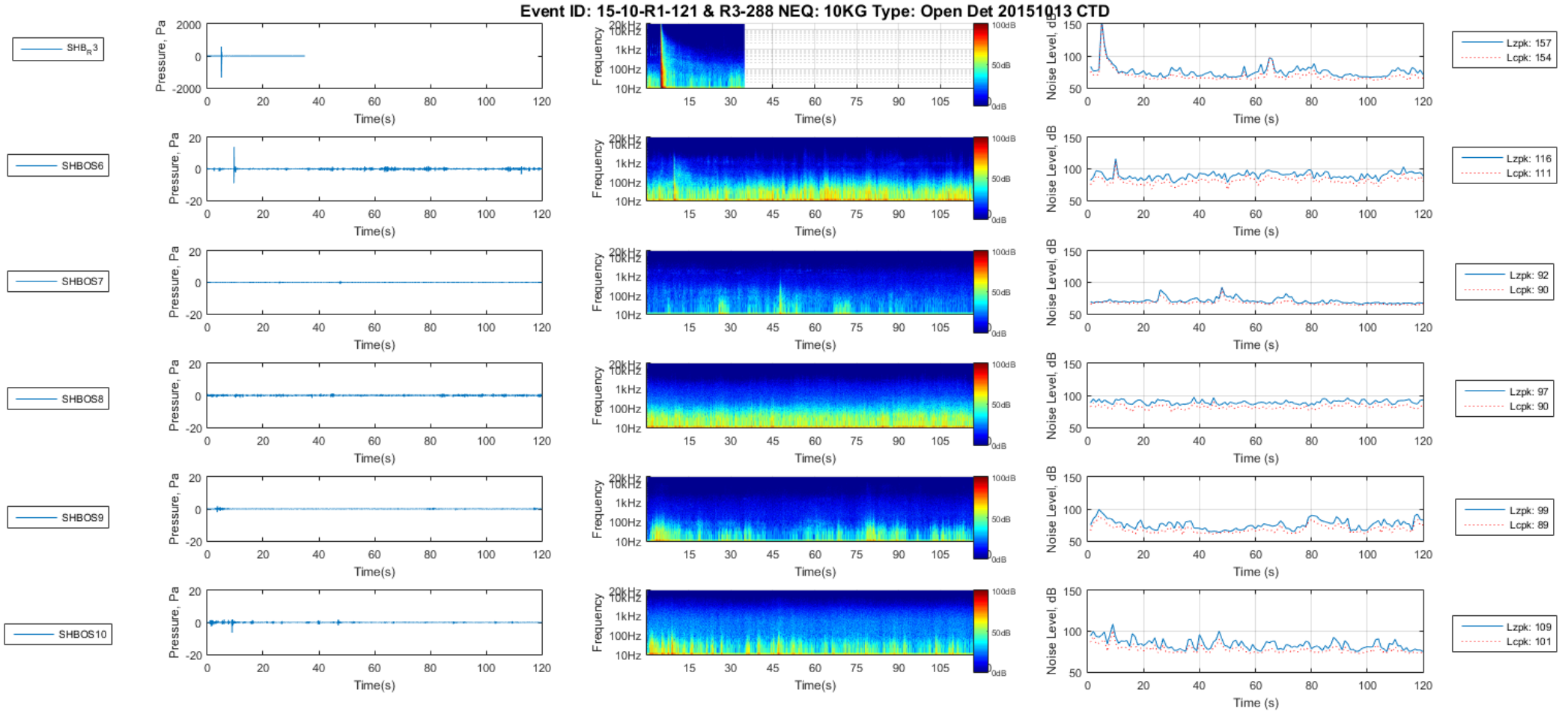


FIGURE 2.1434: SHB_OS 6 - 10 15-10-R1-121 & R3-288

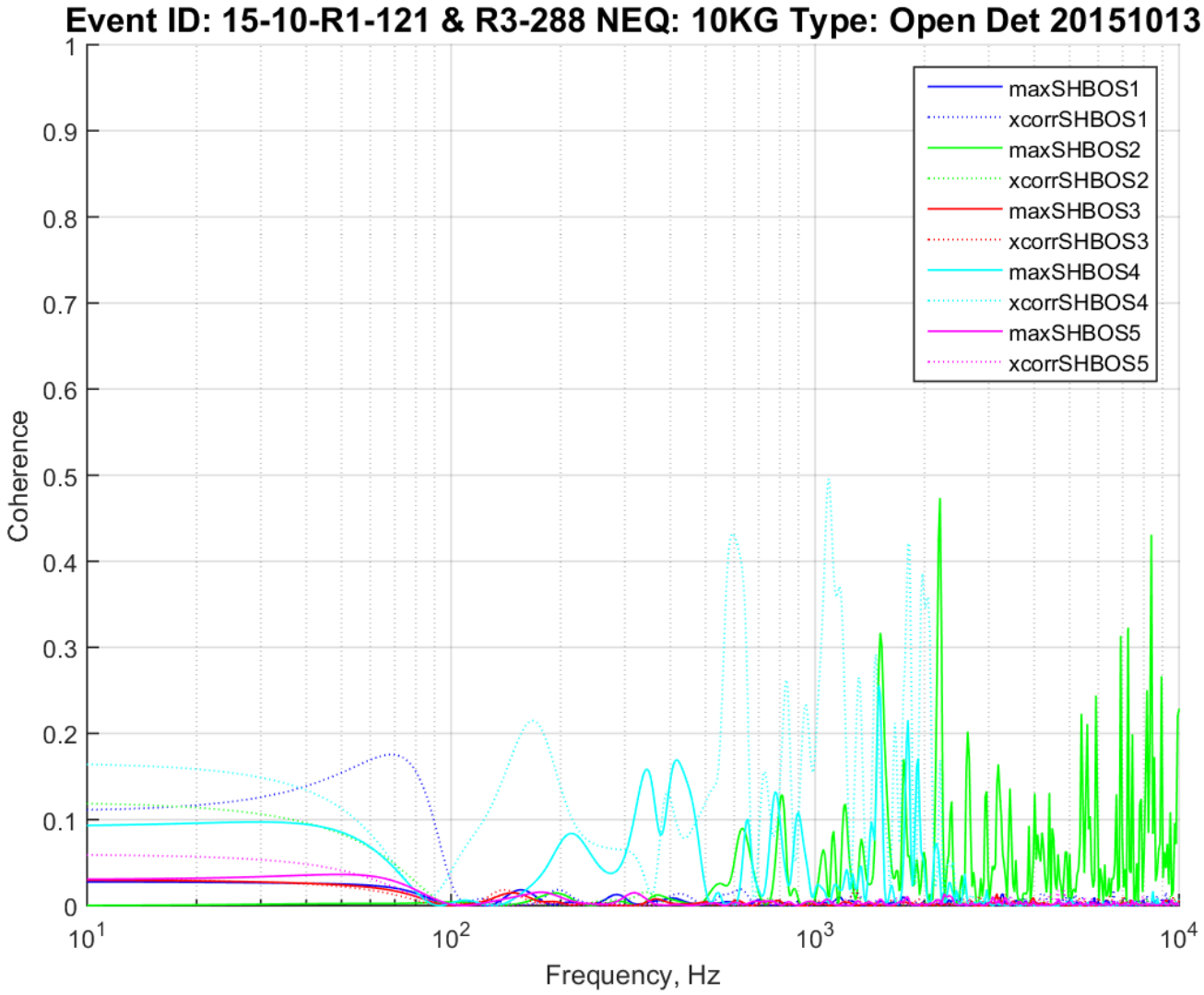


FIGURE 2.1435: COHERENCE SHB_OS 1 - 5 15-10-R1-121 & R3-288

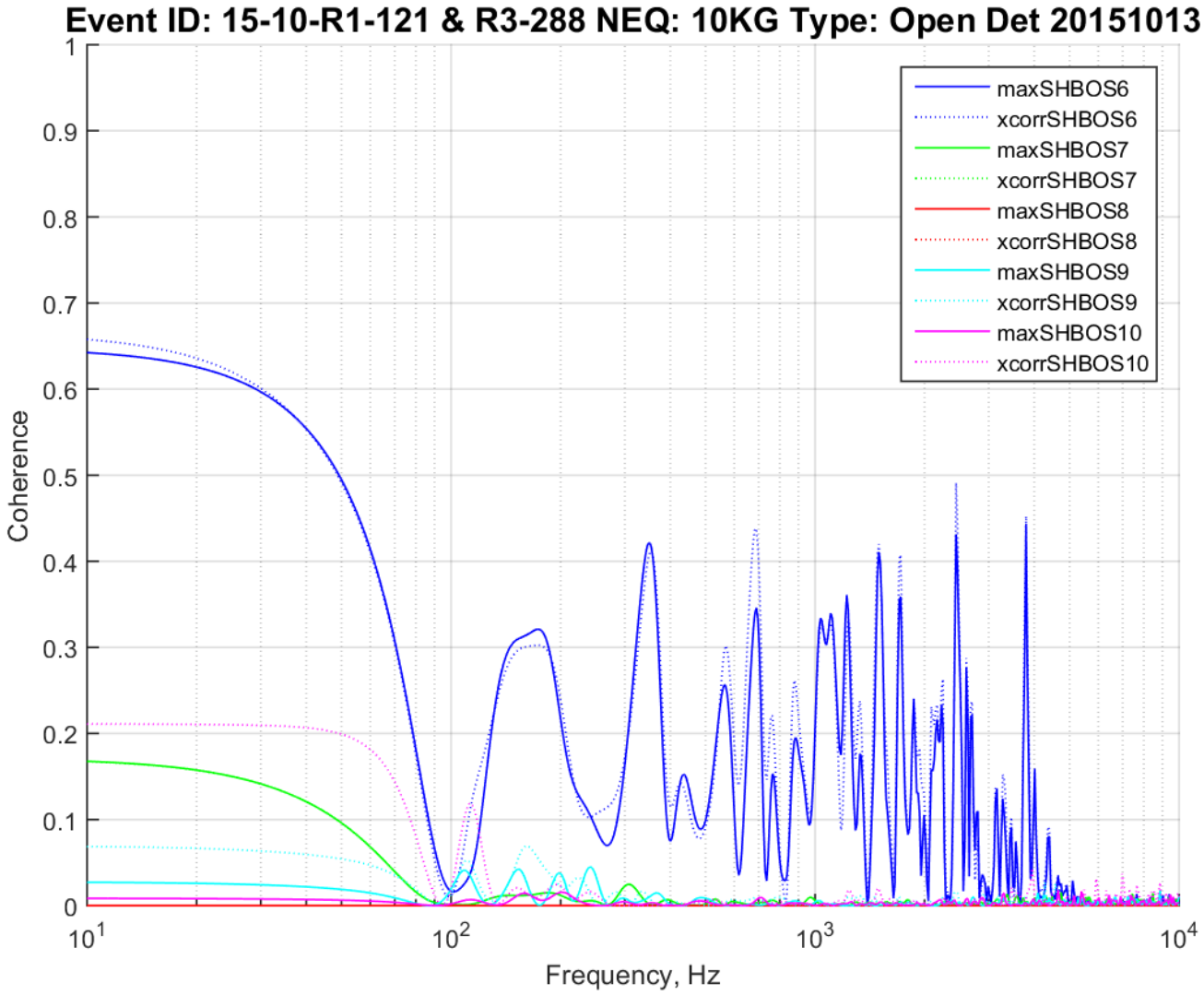


FIGURE 2.1436: COHERENCE SHB_OS 6 - 10 15-10-R1-121 & R3-288CTD

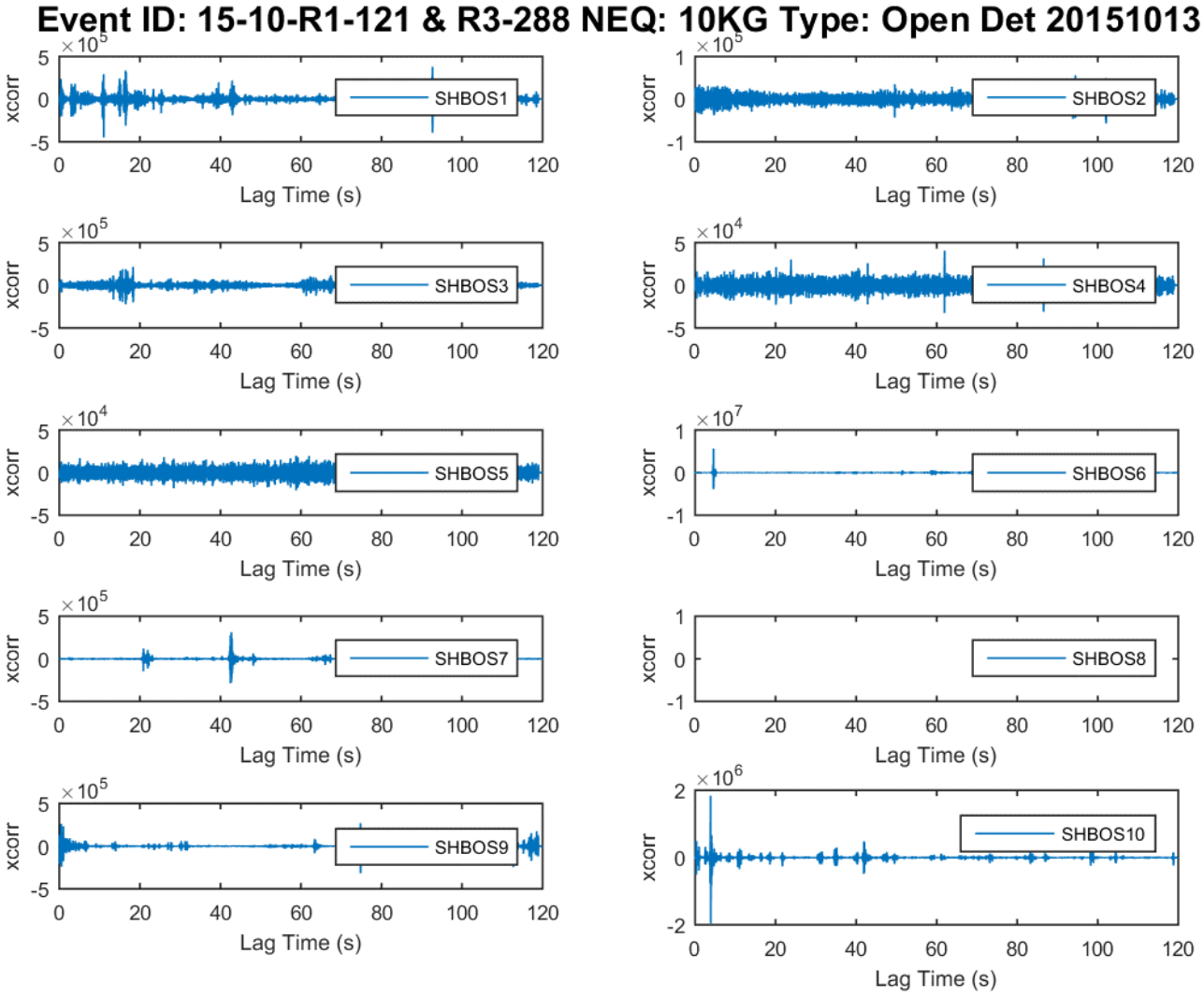


FIGURE 2.1437: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-121 & R3-288

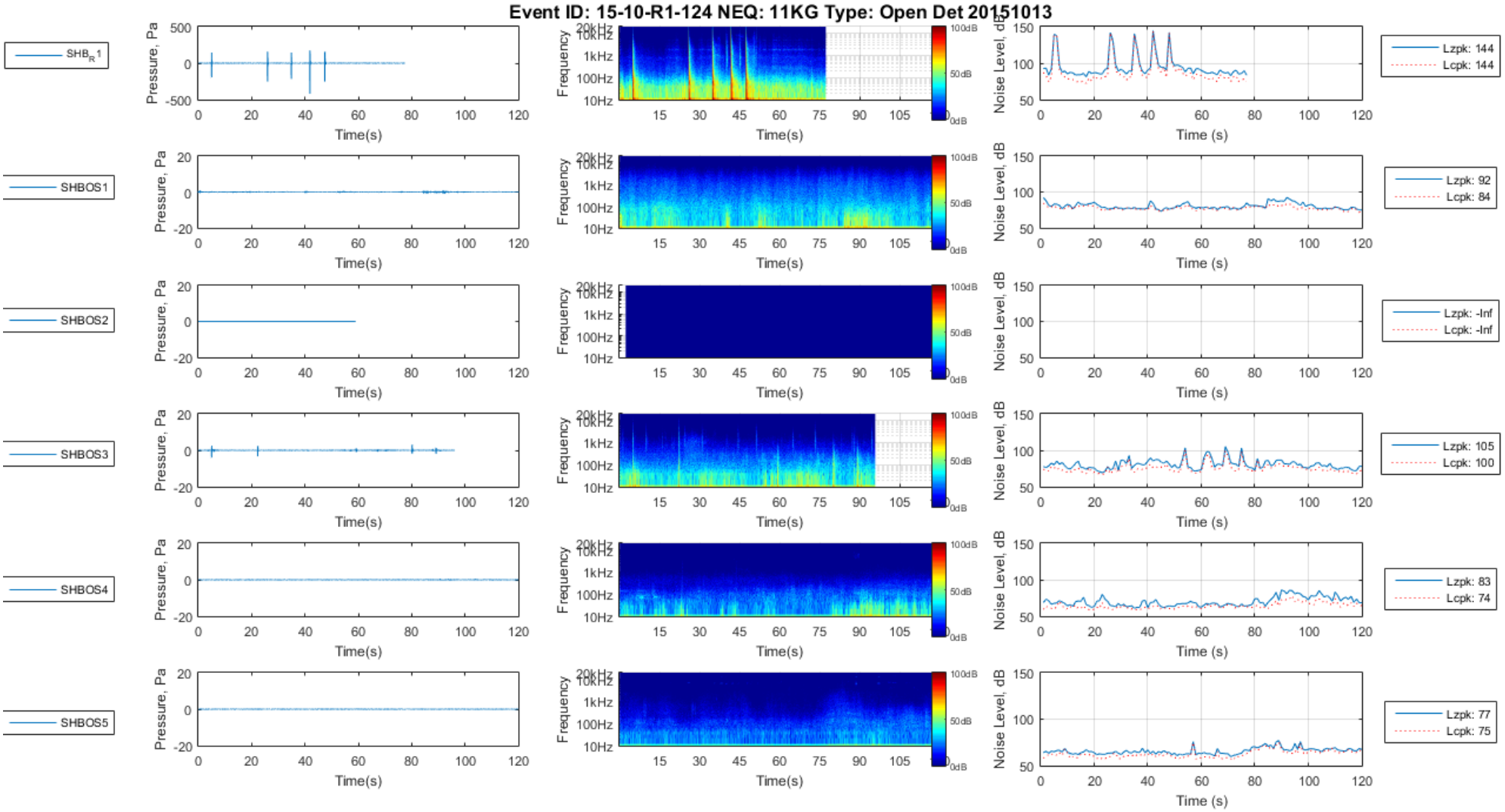


FIGURE 2.1438: SHB_OS 1 - 5 15-10-R1-124

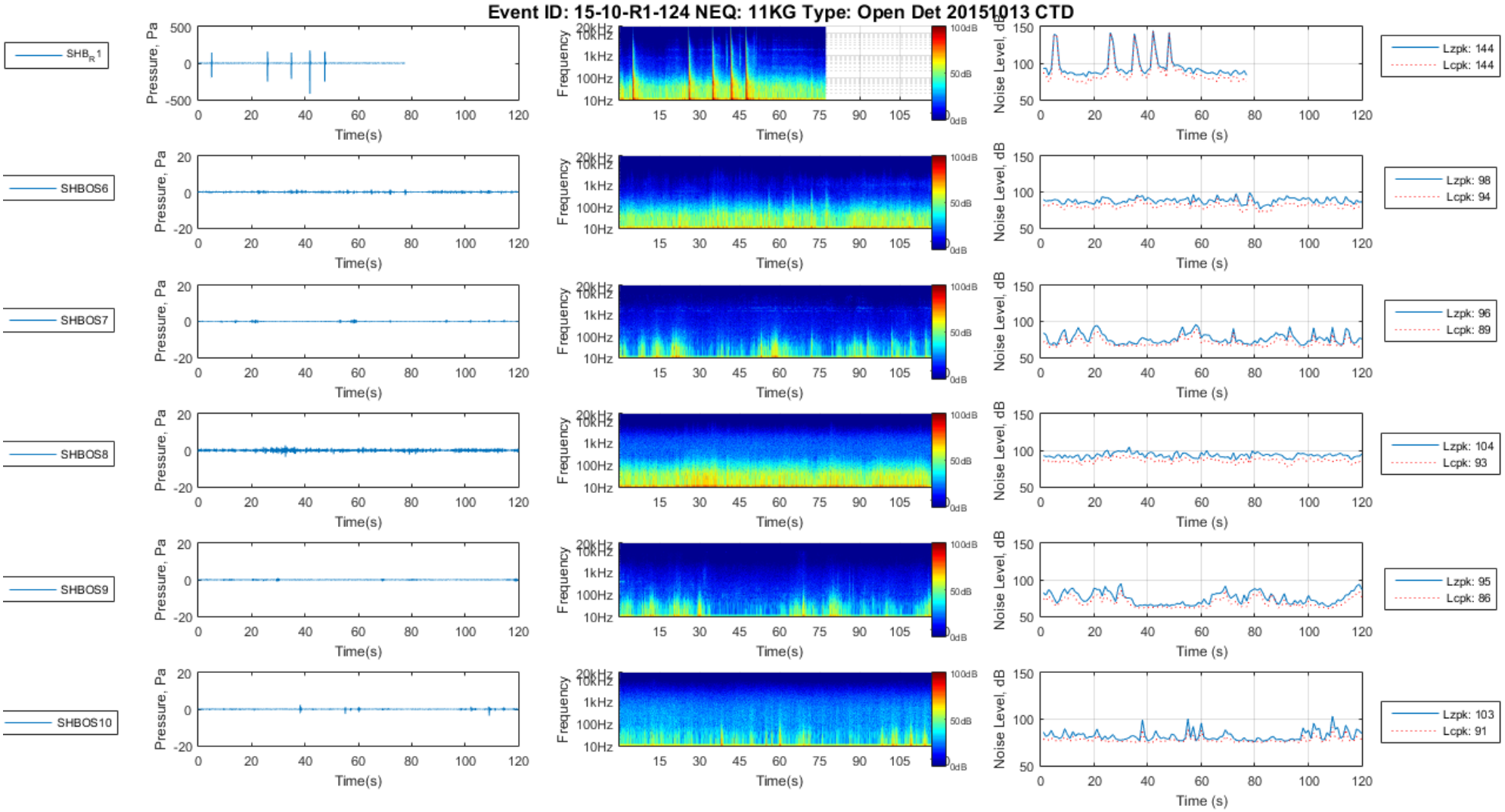


FIGURE 2.1439: SHB_OS 6 - 10 15-10-R1-124

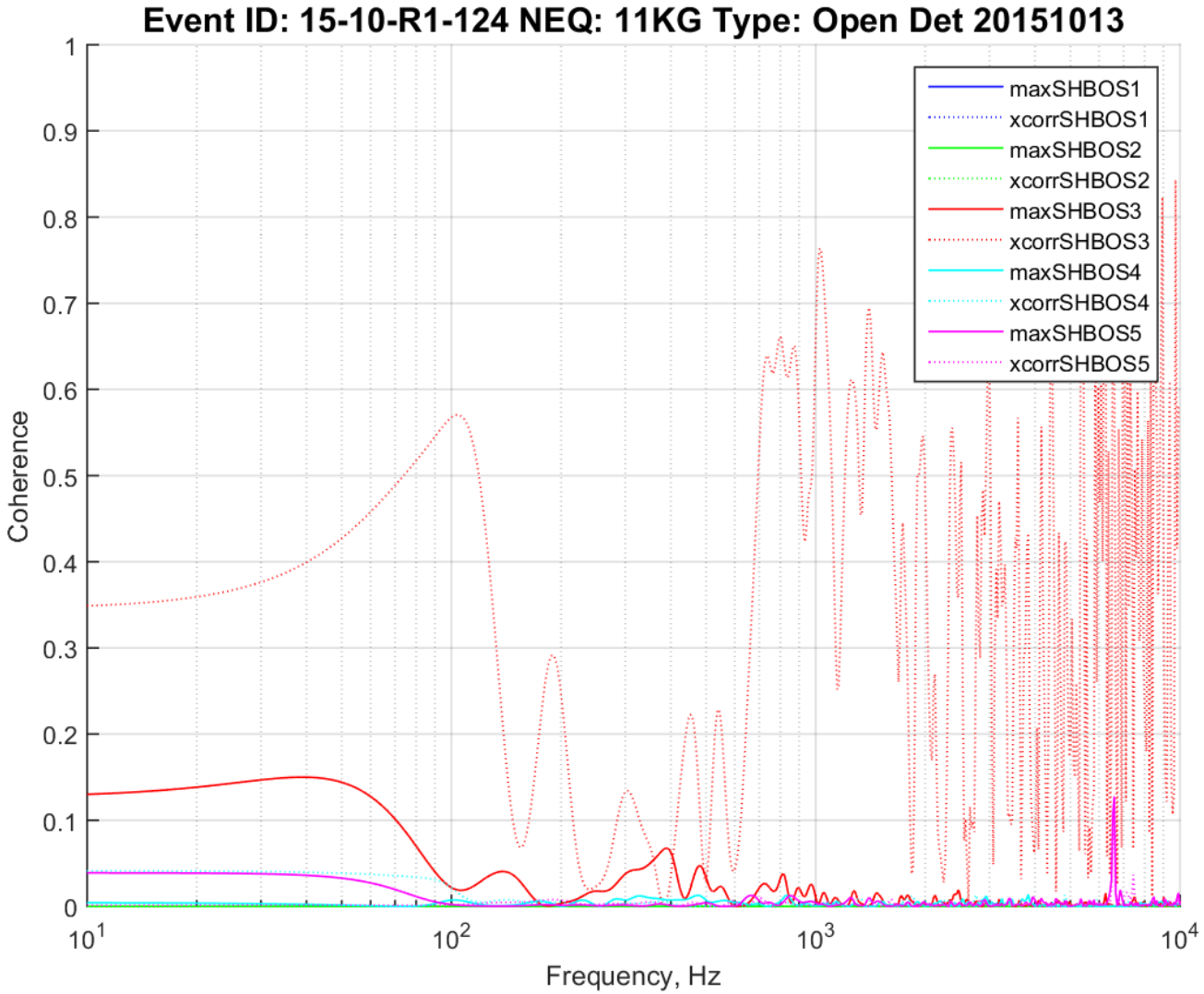


FIGURE 2.1440: COHERENCE SHB_OS 1 - 5 15-10-R1-124

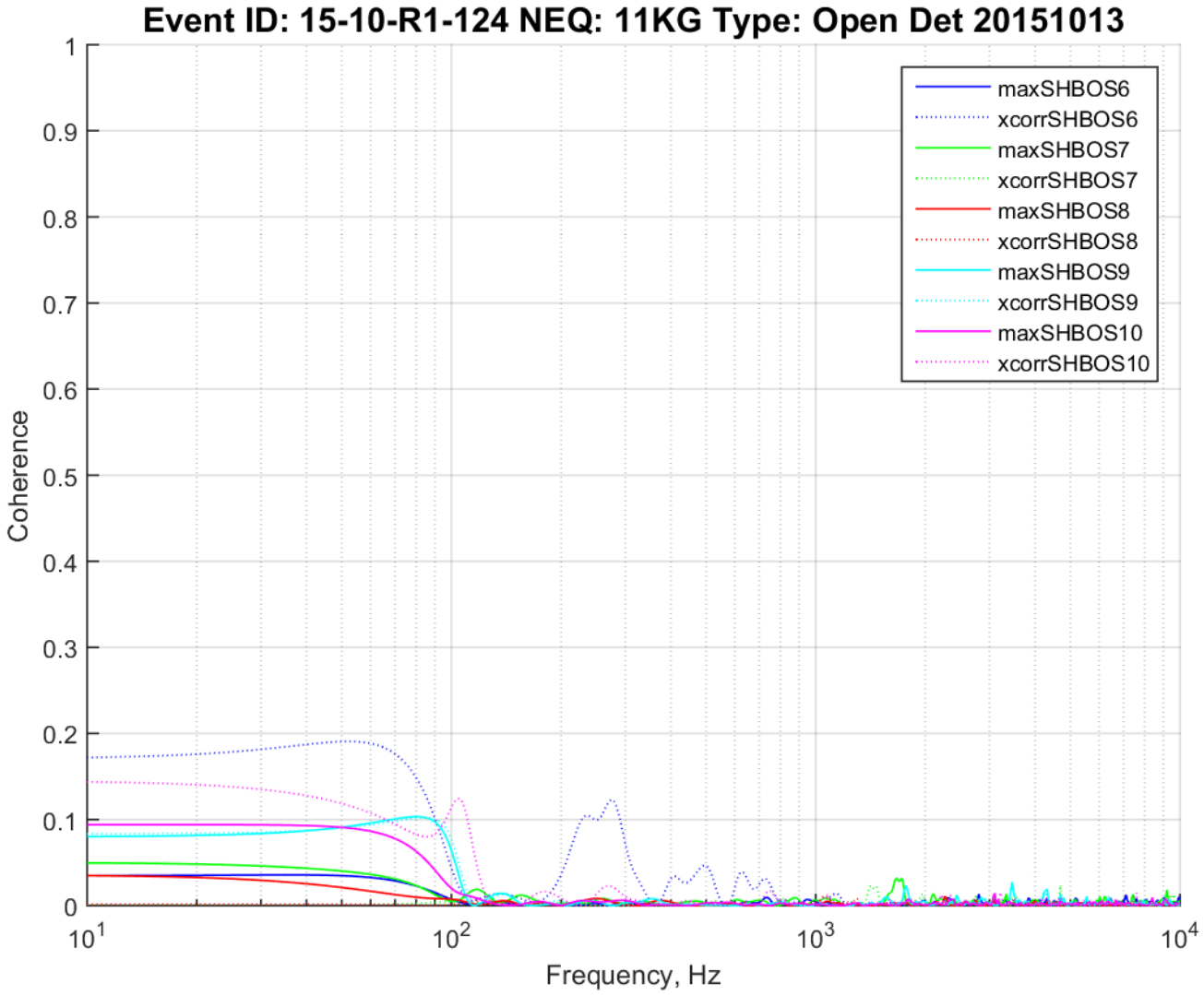


FIGURE 2.1441: COHERENCE SHB_OS 6 - 10 15-10-R1-124CTD

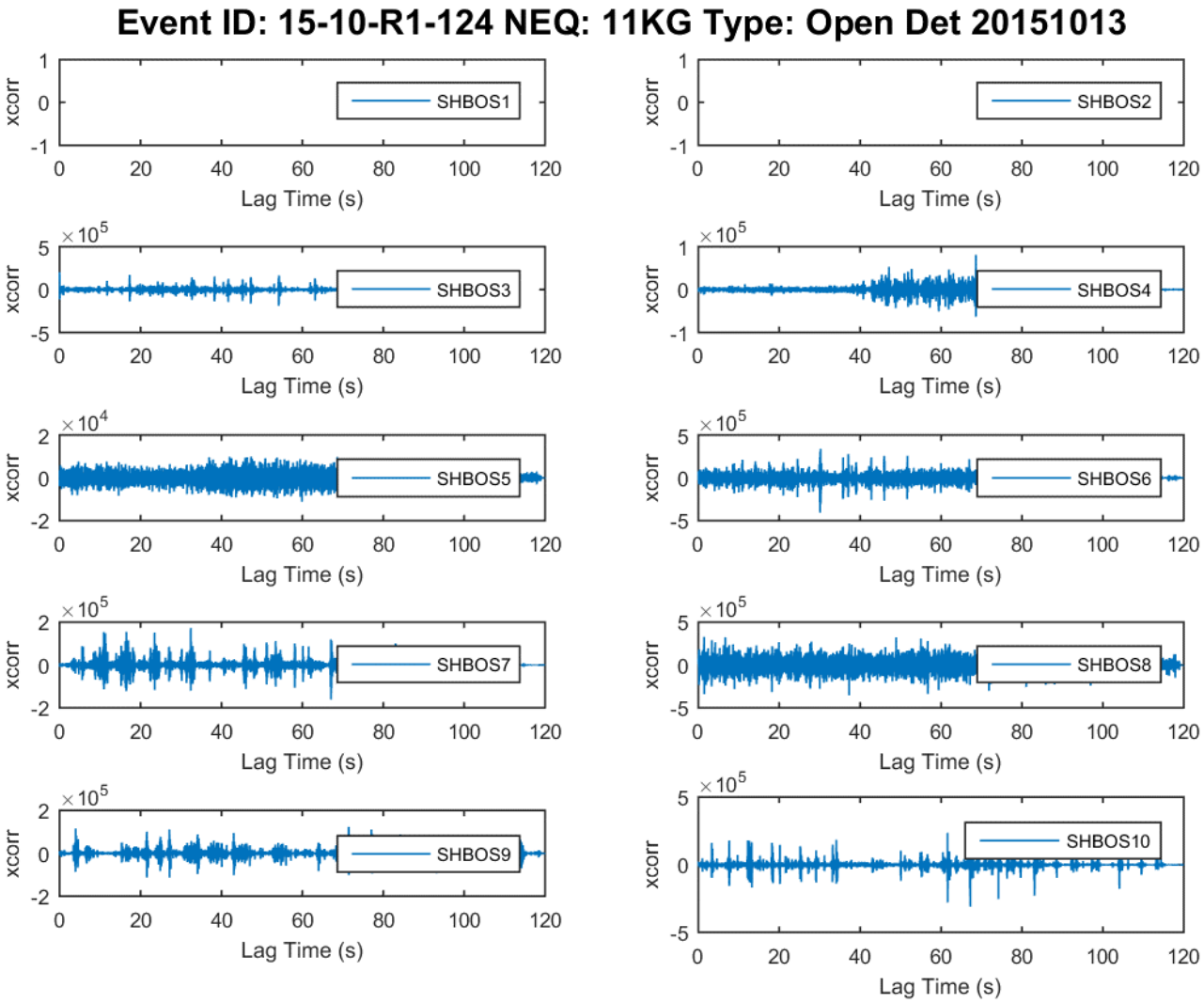


FIGURE 2.1442: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-124

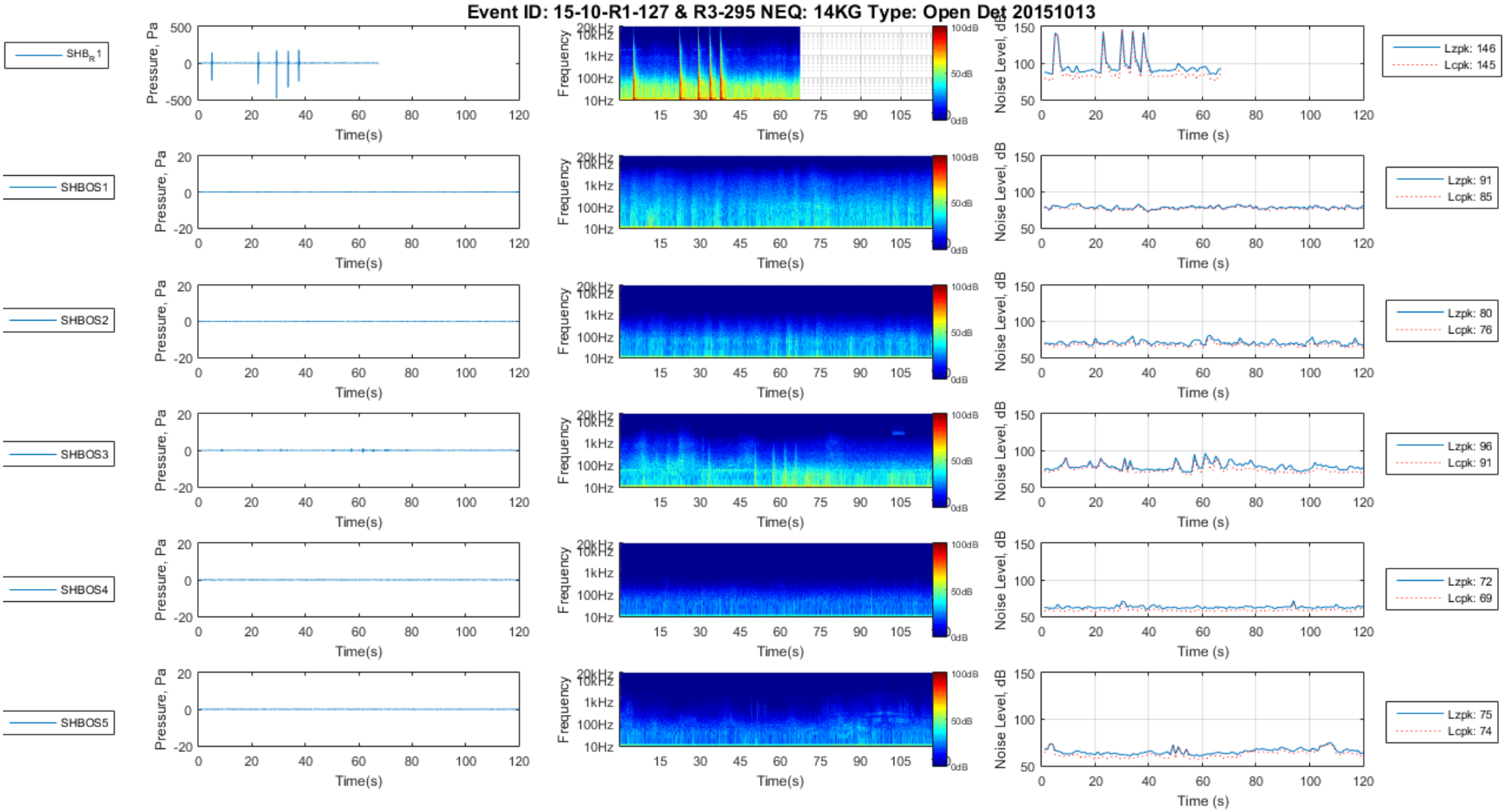


FIGURE 2.1443: SHB_OS 1 - 5 15-10-R1-127 & R3-295

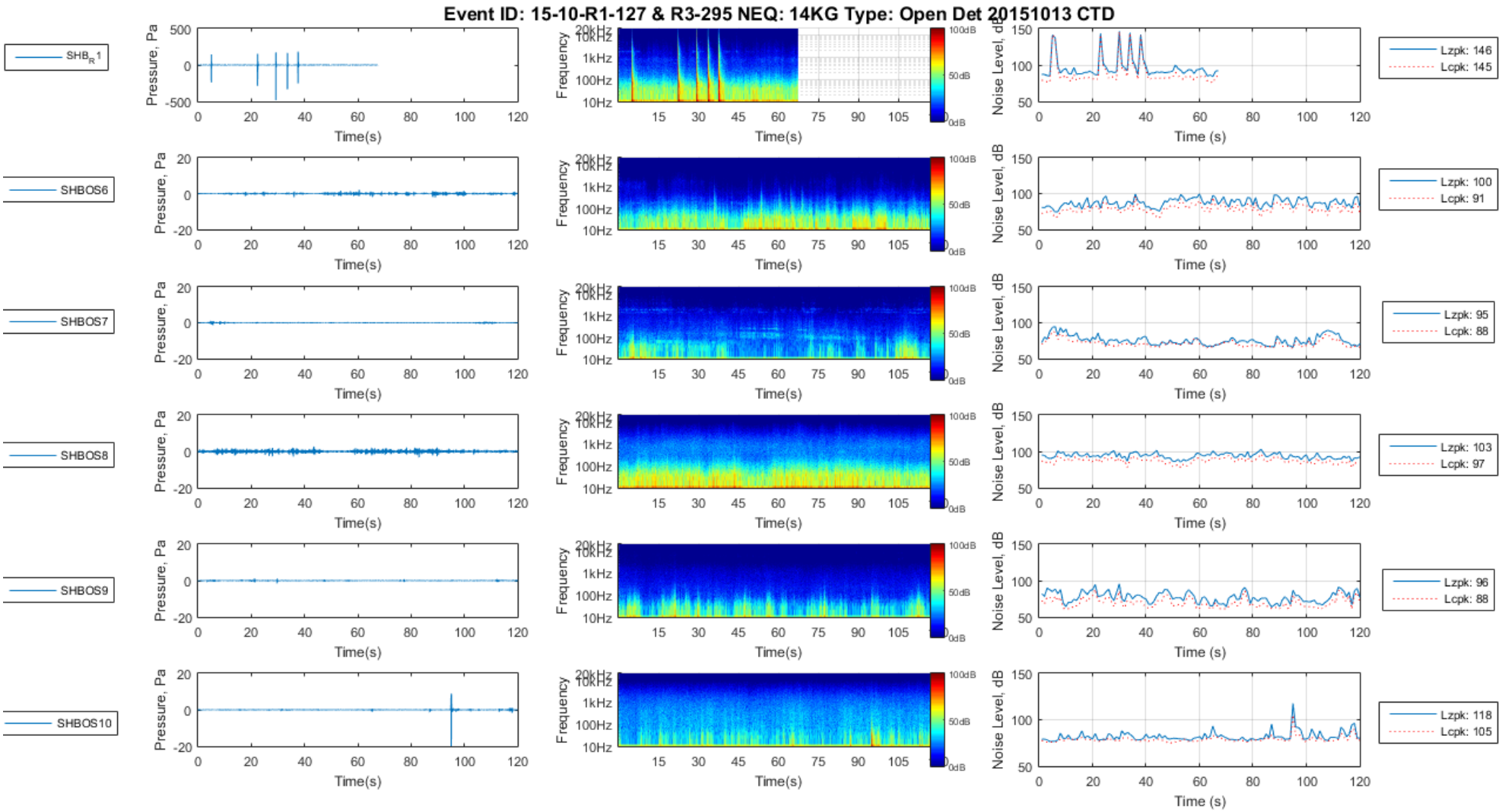


FIGURE 2.1444: SHB_OS 6 - 10 15-10-R1-127 & R3-295

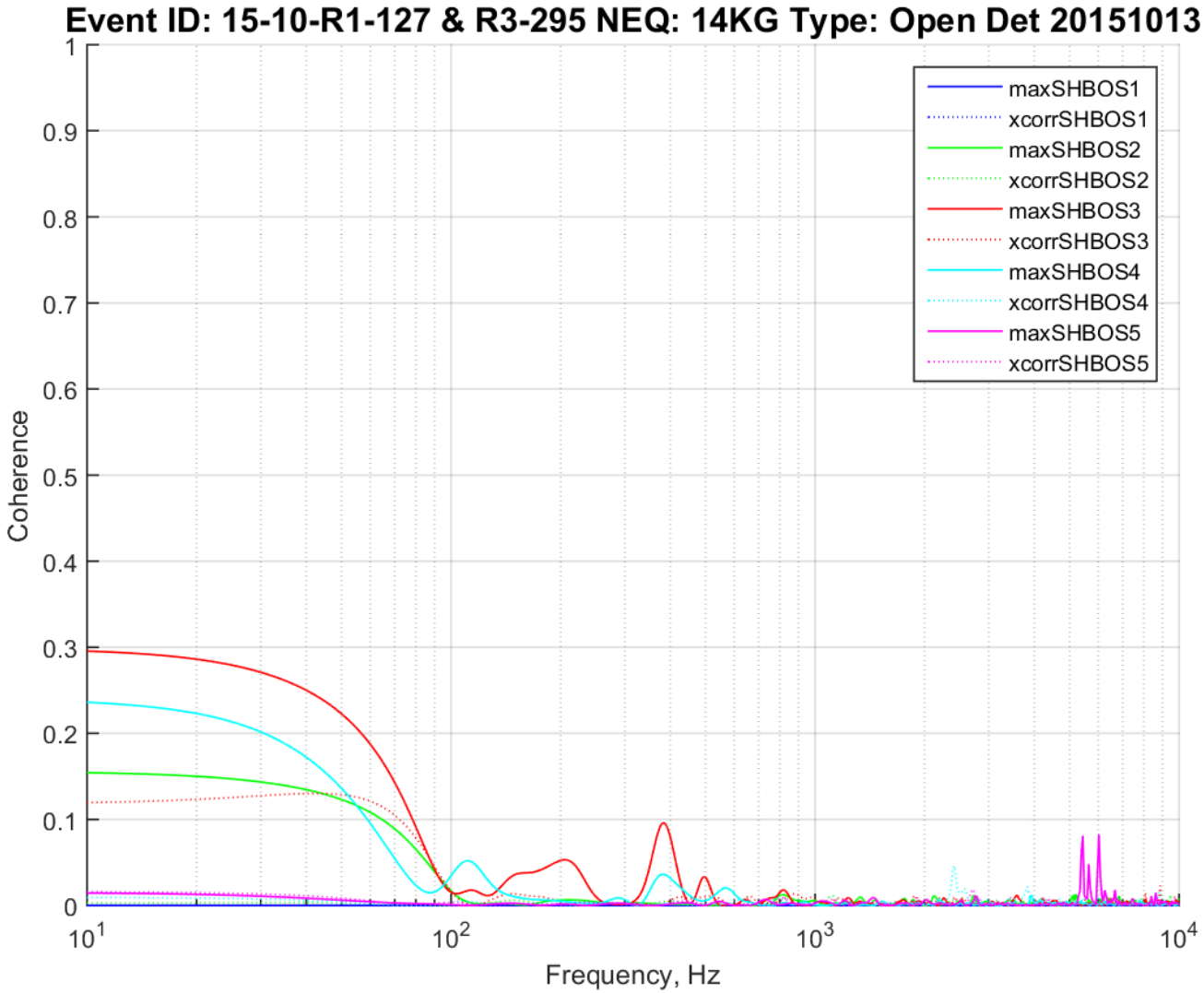


FIGURE 2.1445: COHERENCE SHB_OS 1 - 5 15-10-R1-127 & R3-295

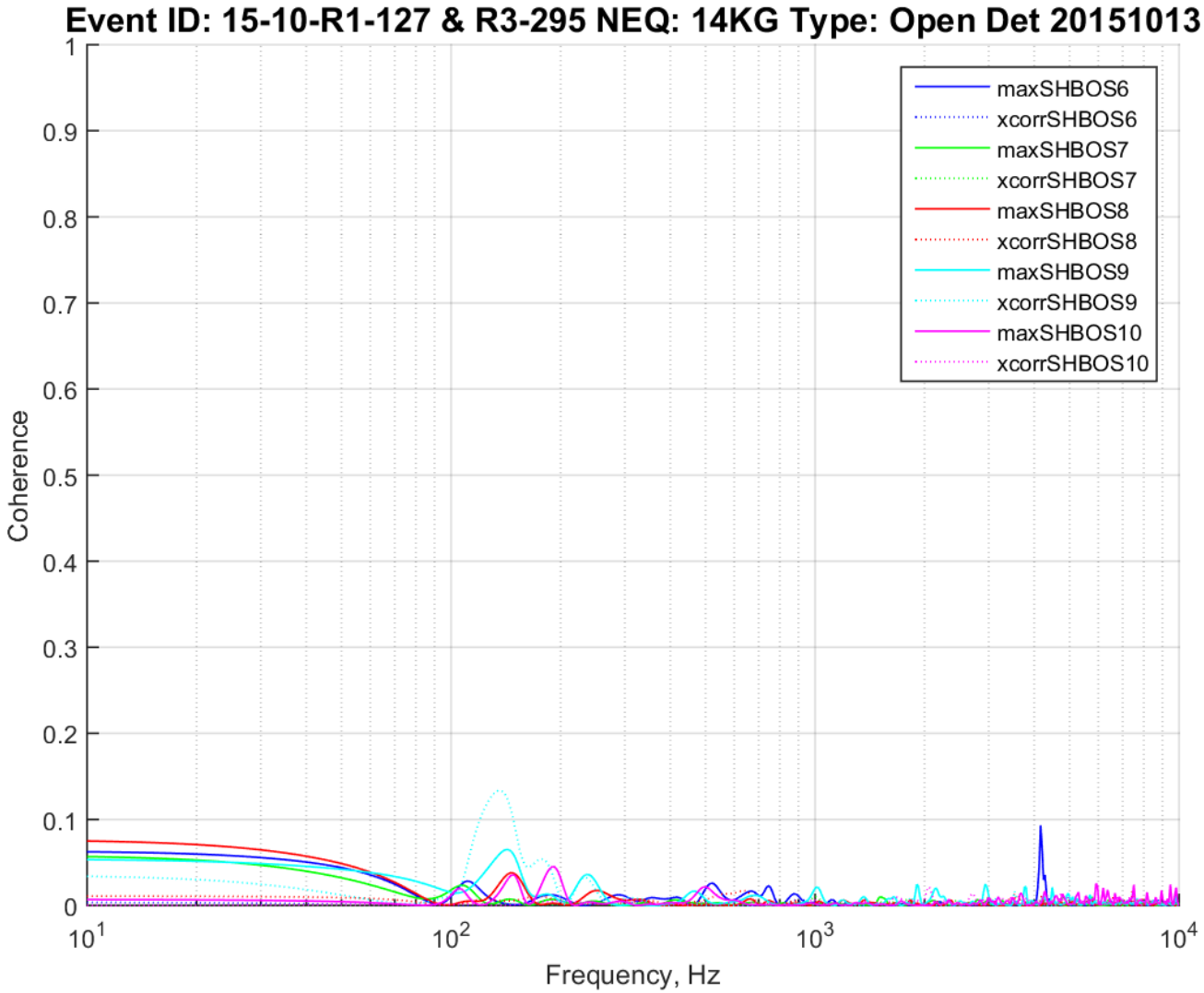


FIGURE 2.1446: COHERENCE SHB_OS 6 - 10 15-10-R1-127 & R3-295CTD

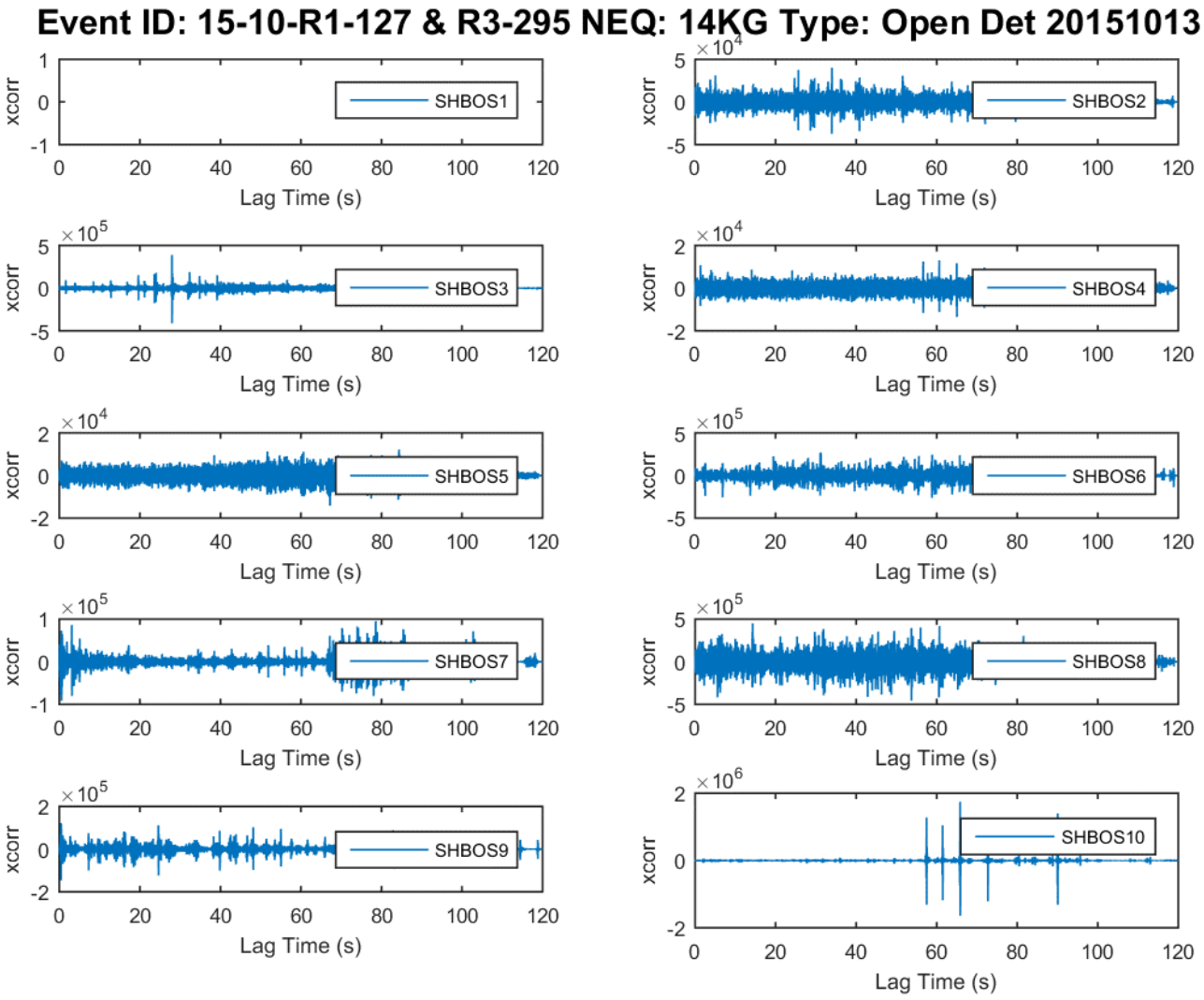


FIGURE 2.1447: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-127 & R3-295

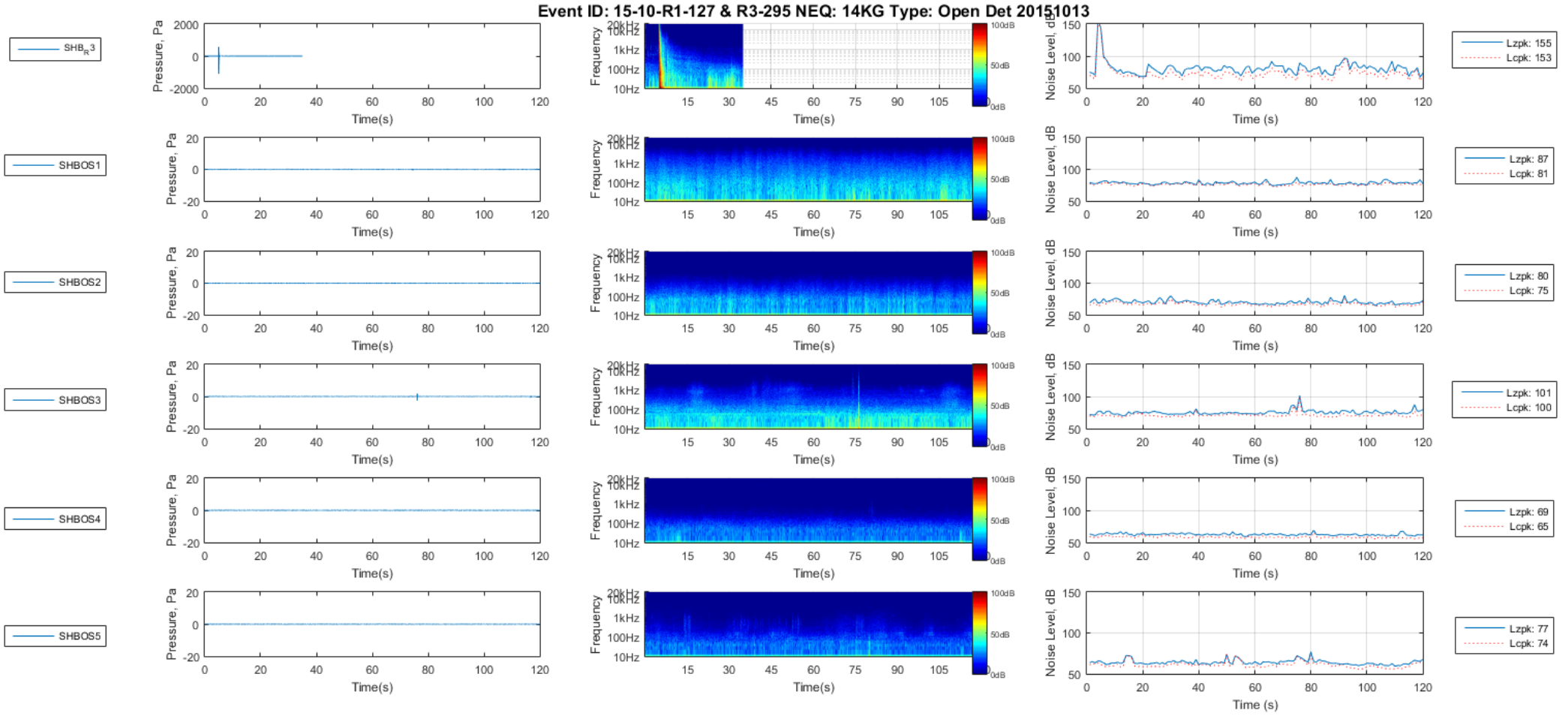


FIGURE 2.1448: SHB_OS 1 - 5 15-10-R1-127 & R3-295

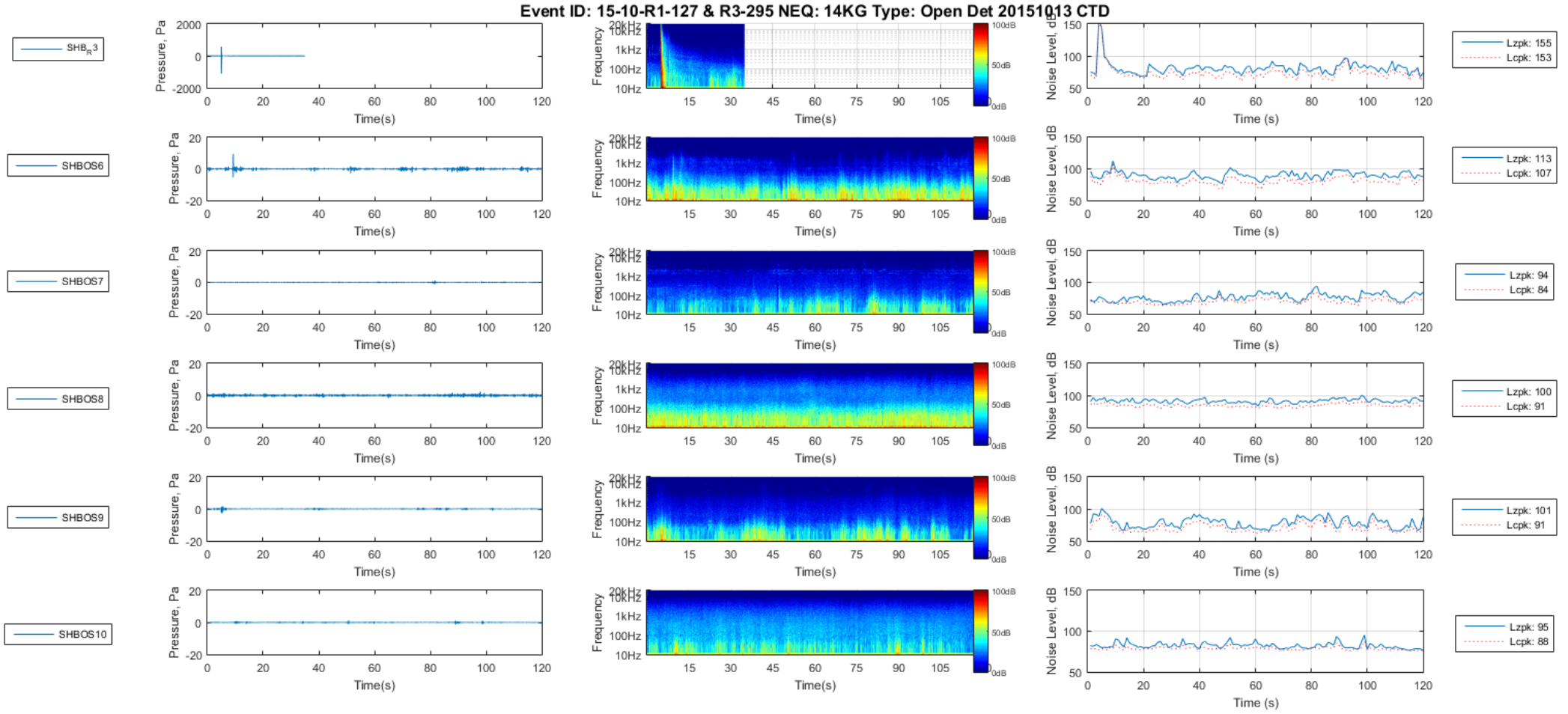


FIGURE 2.1449: SHB_OS 6 - 10 15-10-R1-127 & R3-295

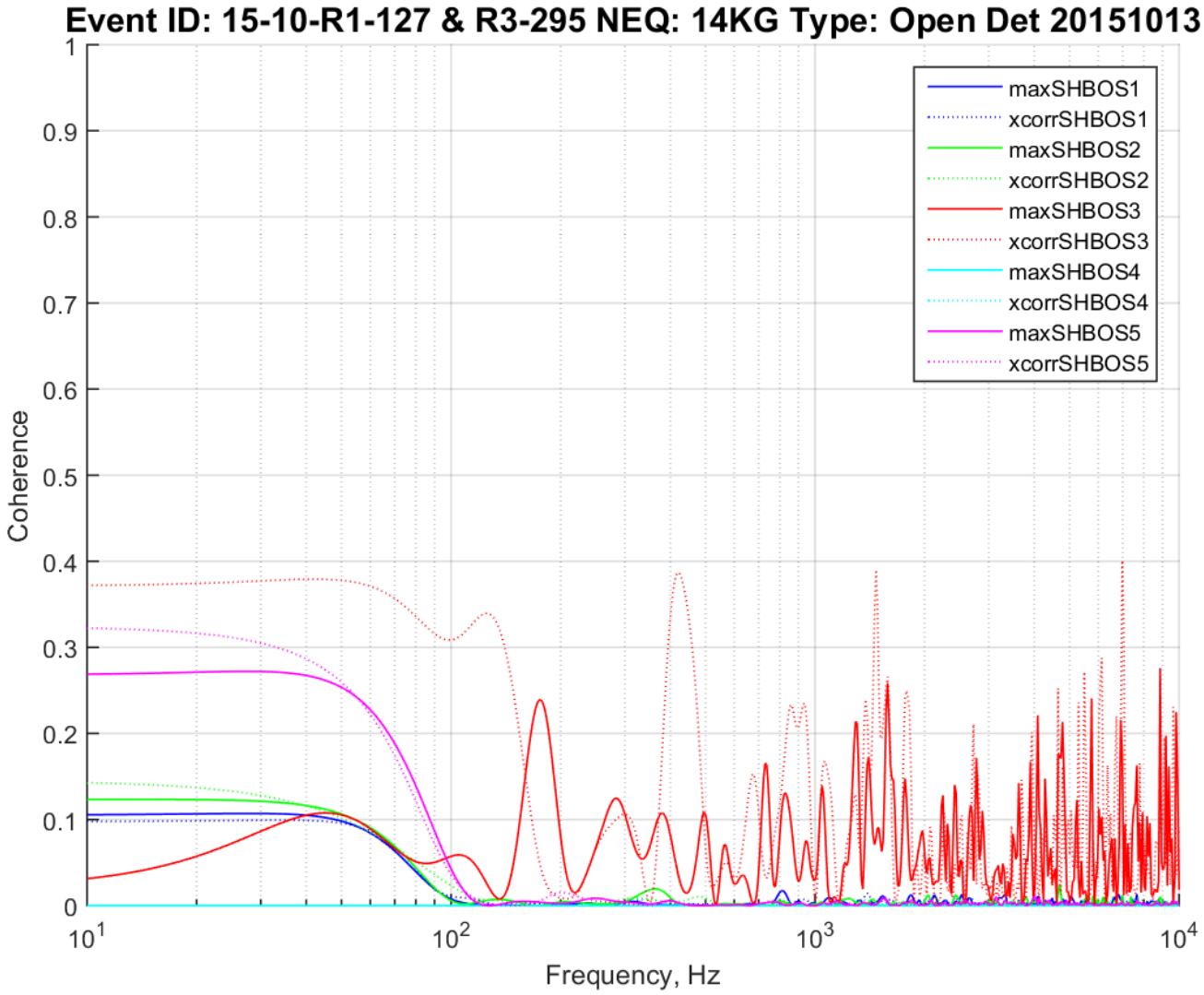


FIGURE 2.1450: COHERENCE SHB_OS 1 - 5 15-10-R1-127 & R3-295

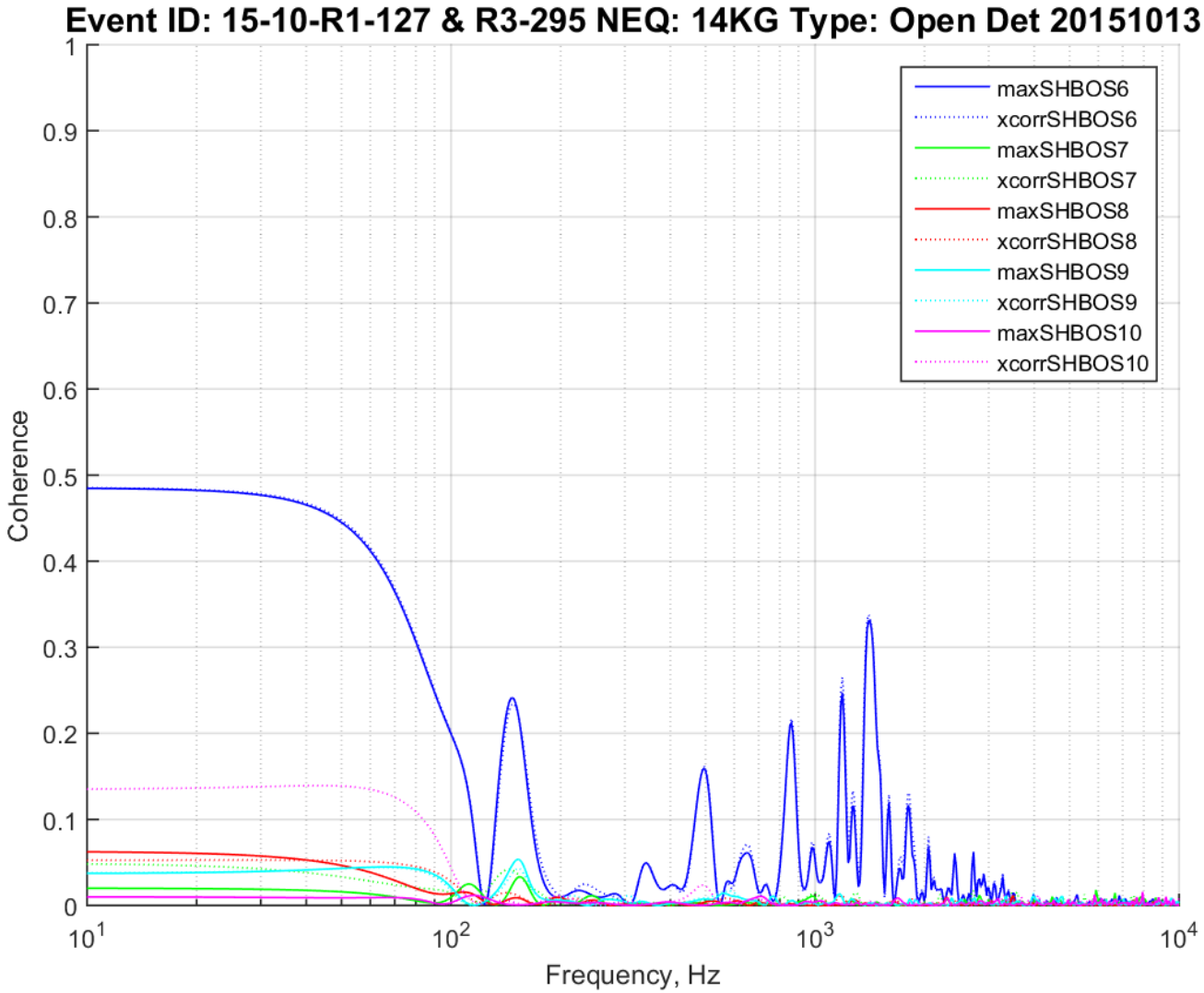


FIGURE 2.1451: COHERENCE SHB_OS 6 - 10 15-10-R1-127 & R3-295CTD

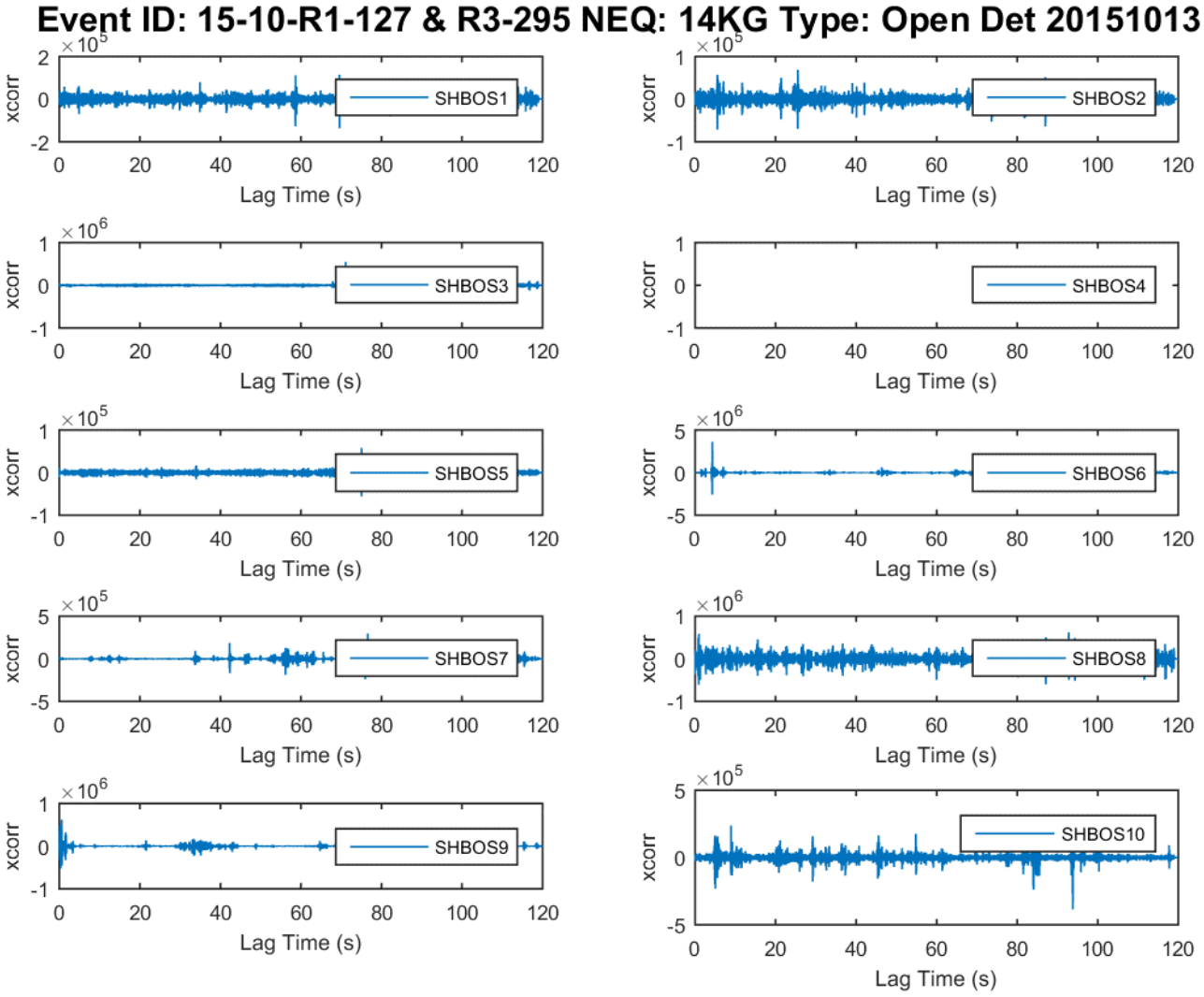


FIGURE 2.1452: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-127 & R3-295

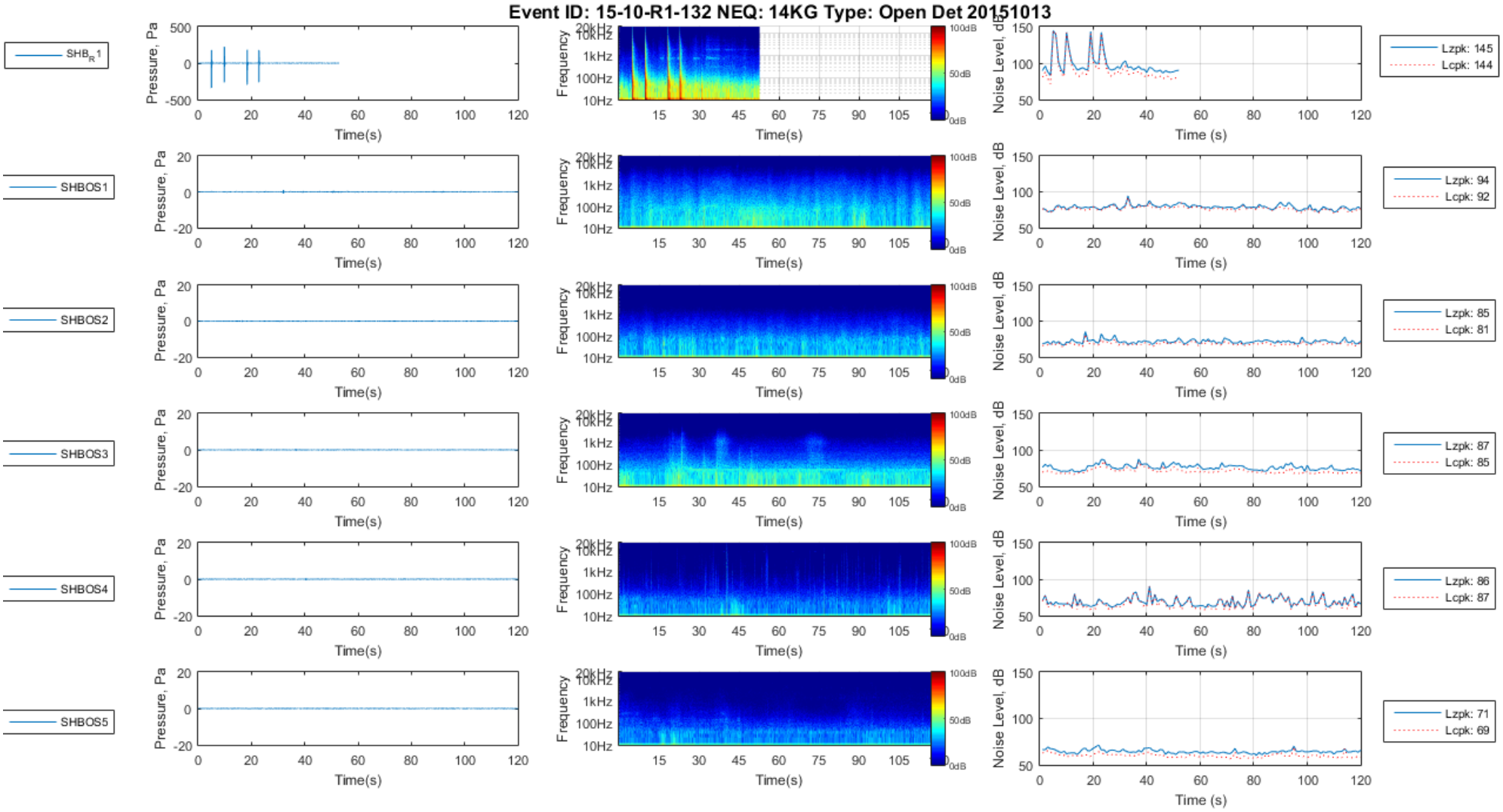


FIGURE 2.1453: SHB_OS 1 - 5 15-10-R1-132

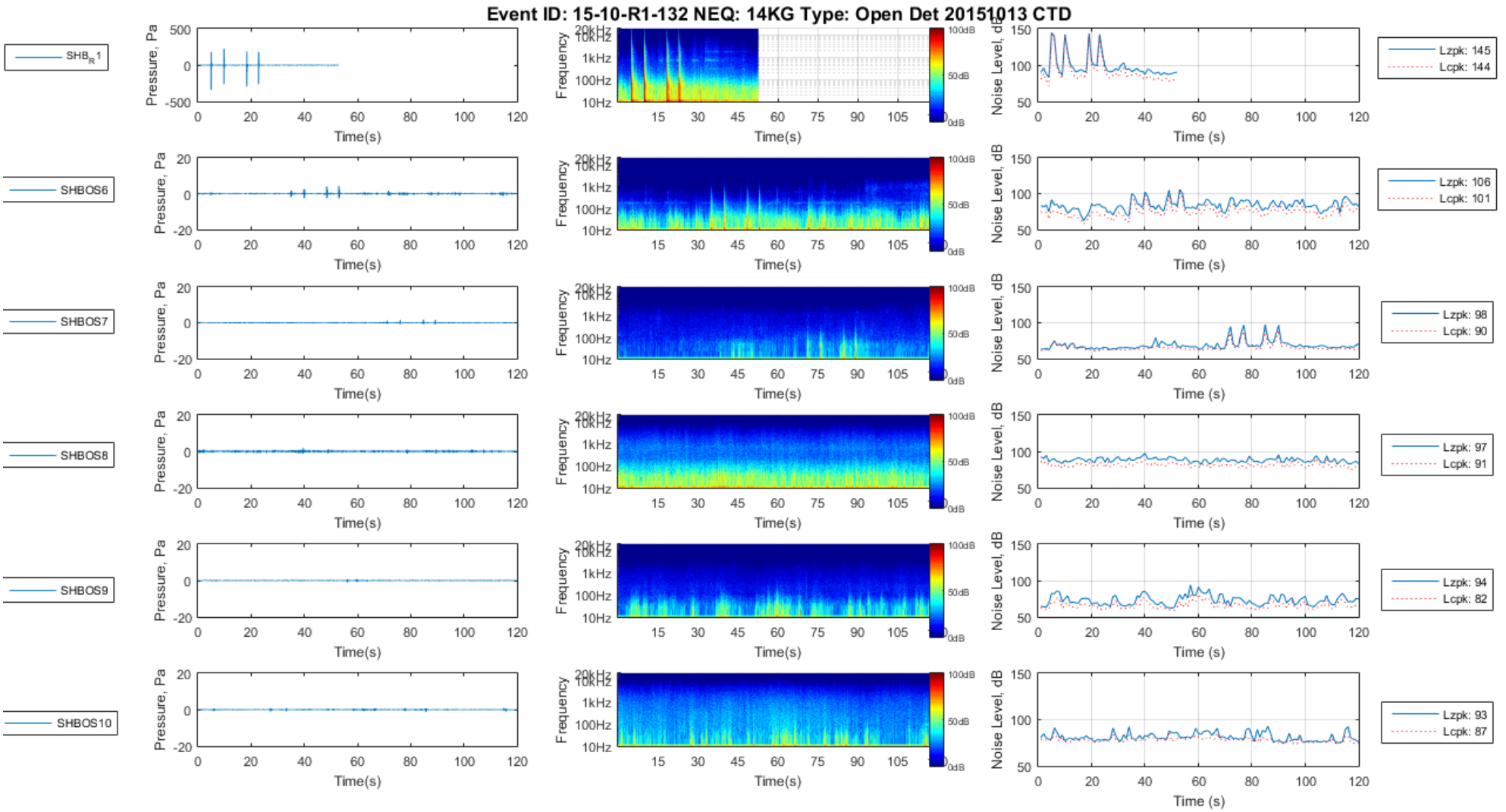


FIGURE 2.1454: SHB_OS 6 - 10 15-10-R1-132

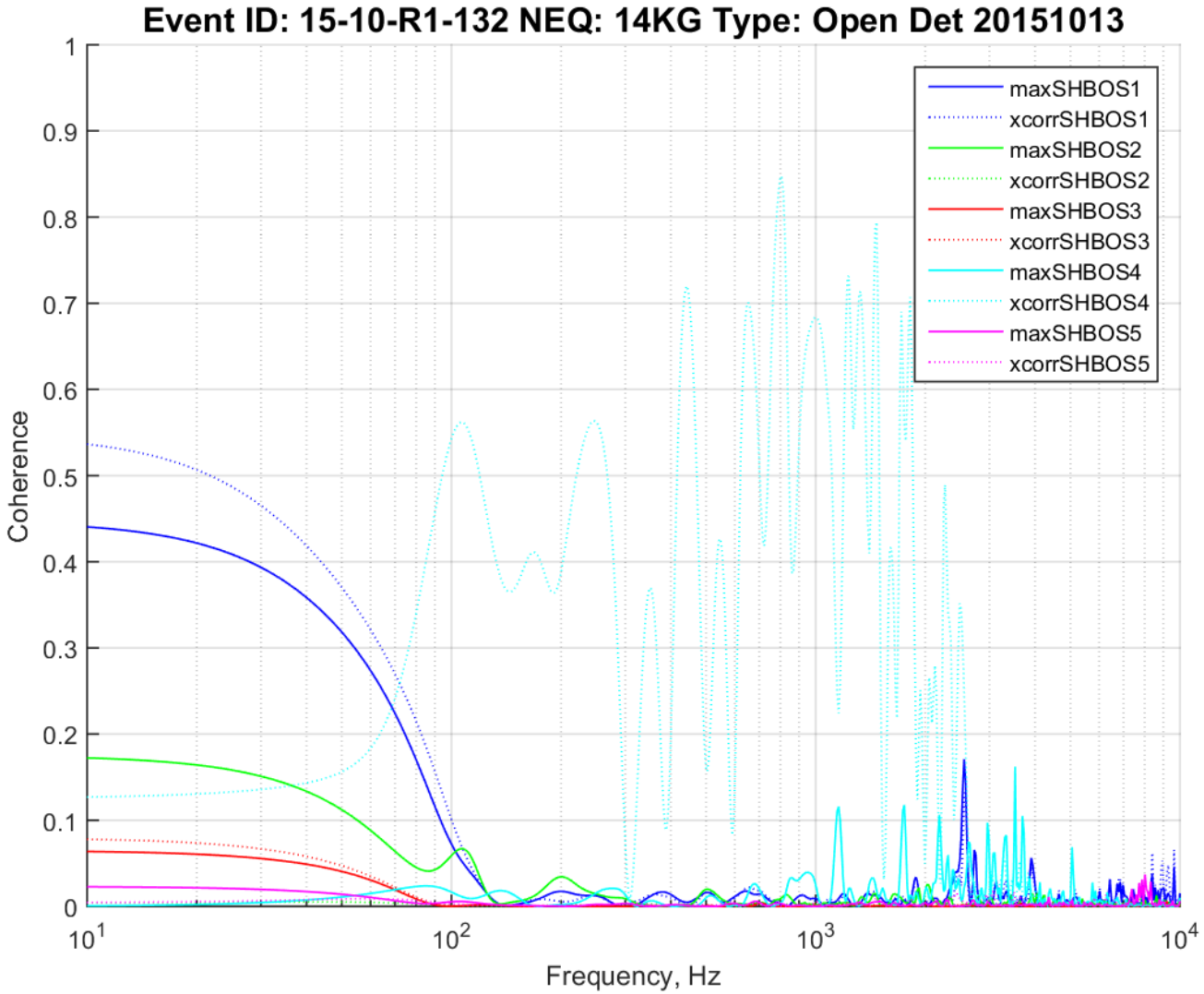


FIGURE 2.1455: COHERENCE SHB_OS 1 - 5 15-10-R1-132

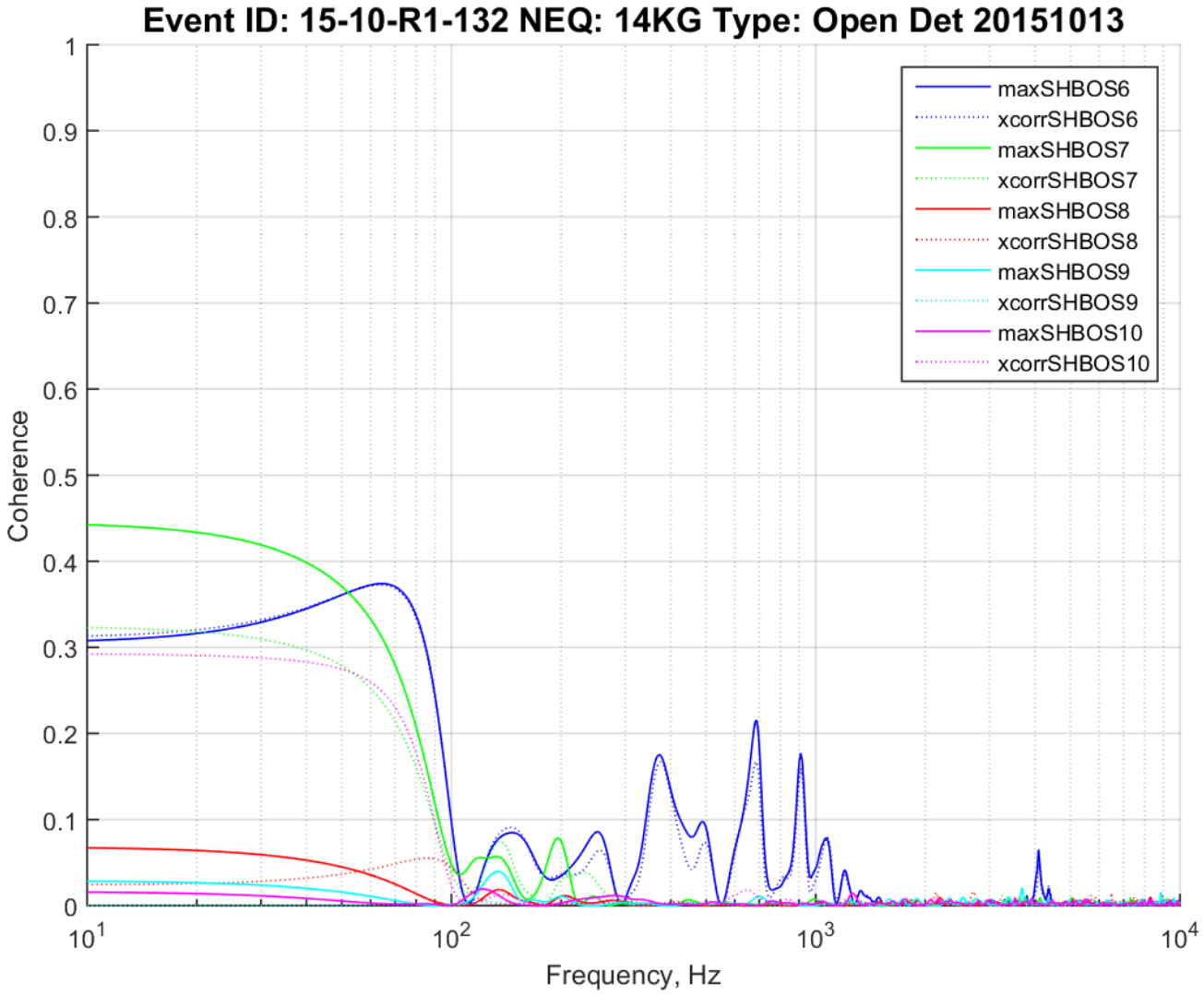


FIGURE 2.1456: COHERENCE SHB_OS 6 - 10 15-10-R1-132CTD

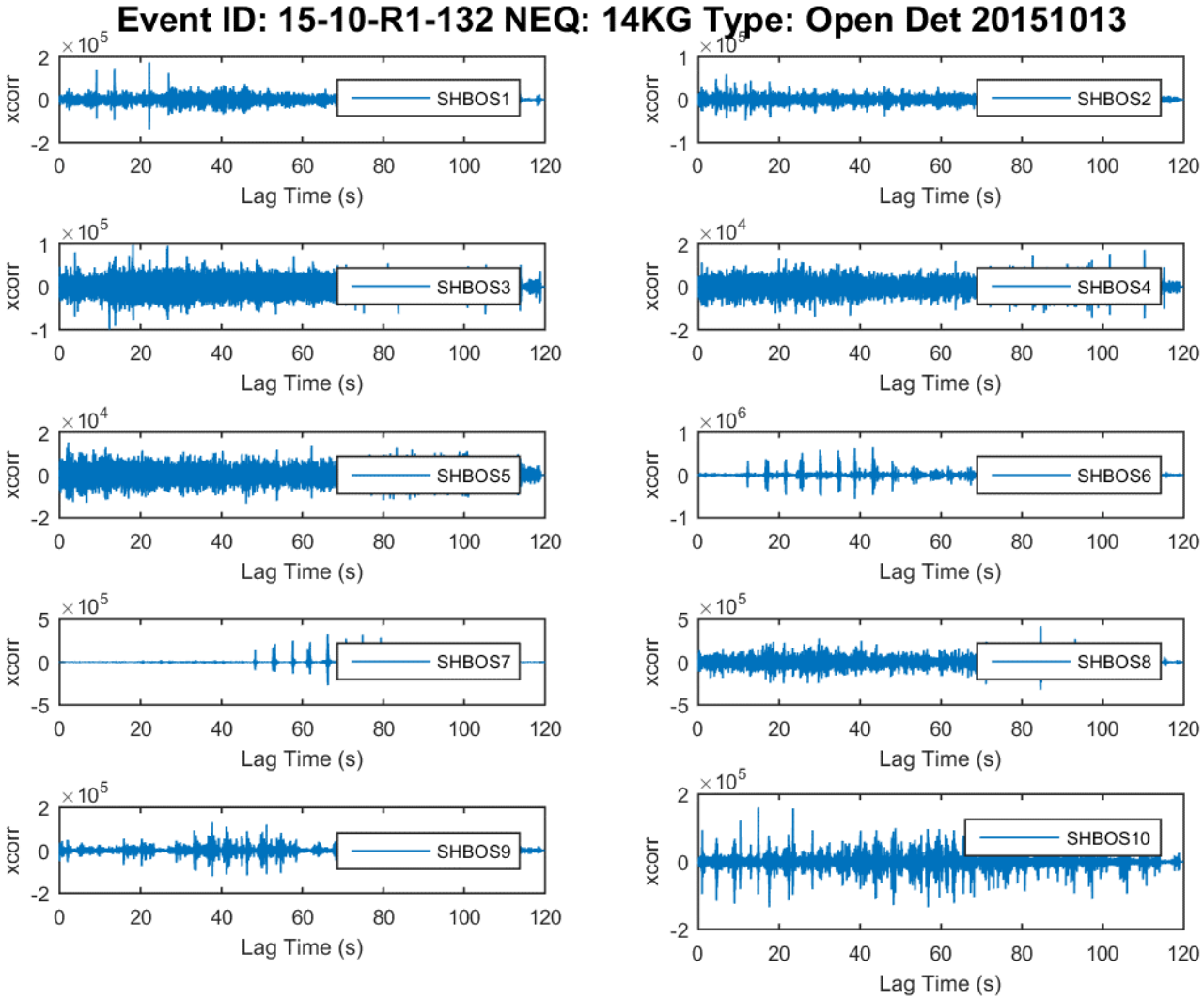


FIGURE 2.1457: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-132

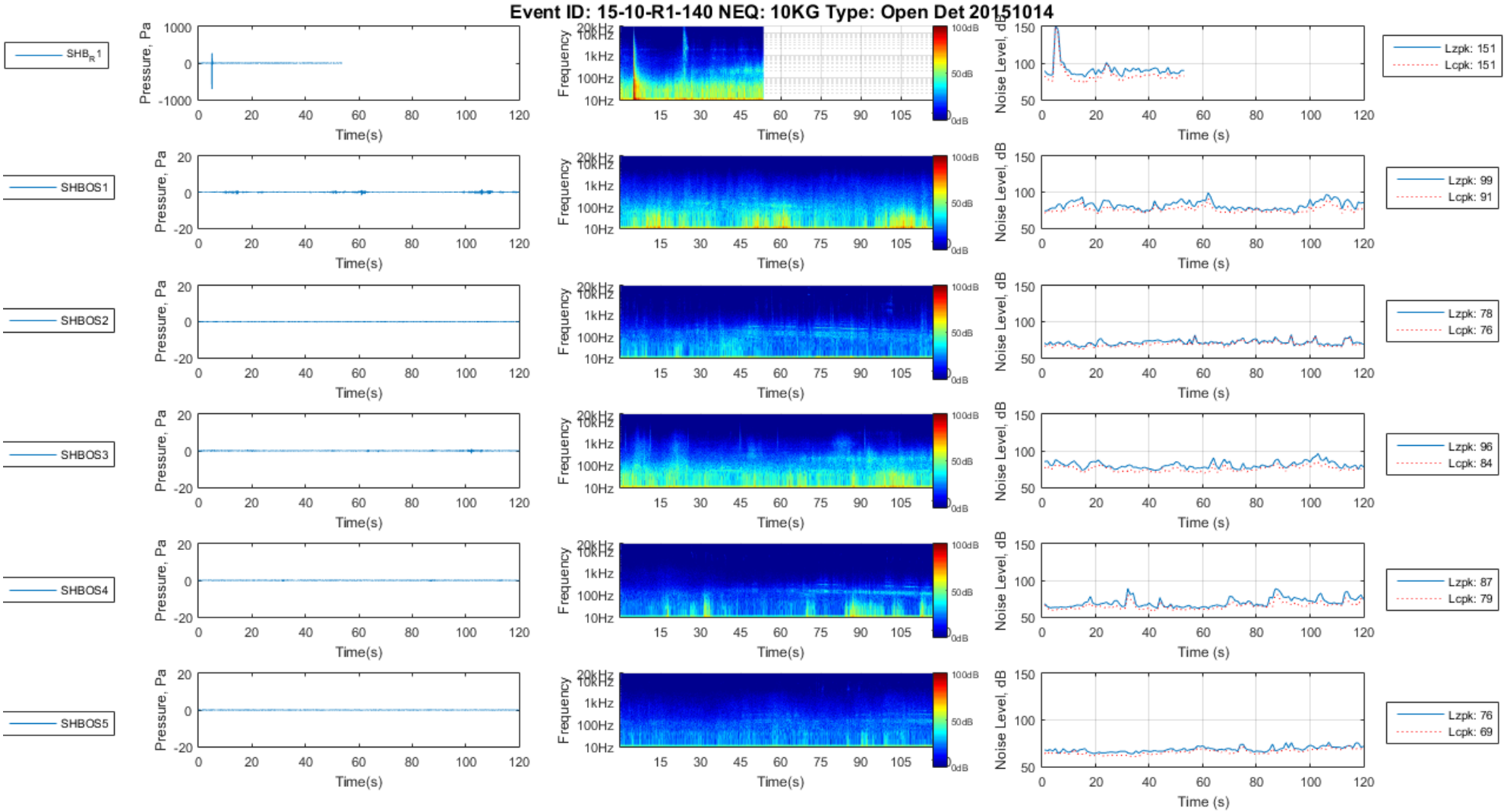


FIGURE 2.1458: SHB_OS 1 - 5 15-10-R1-140

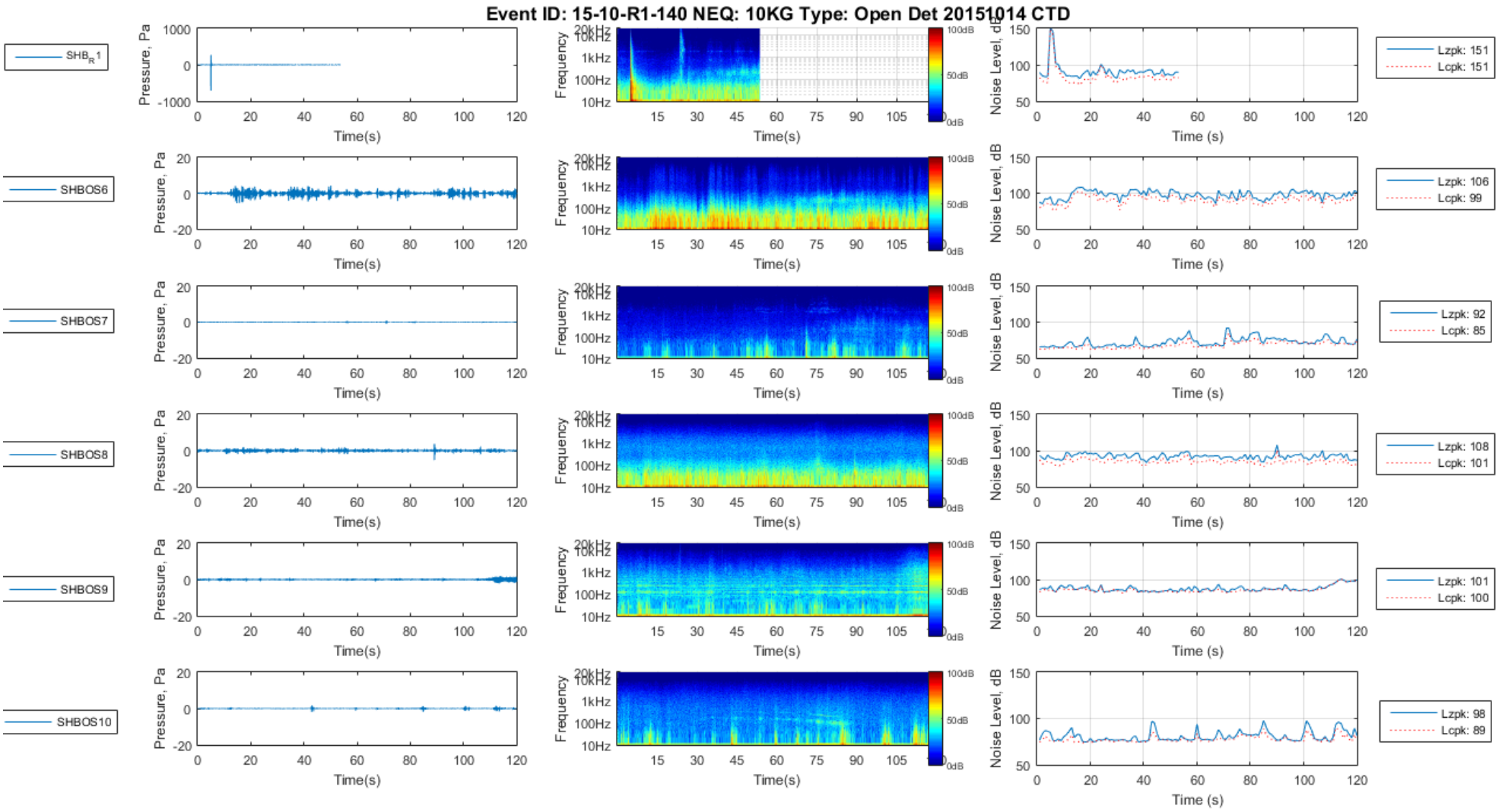


FIGURE 2.1459: SHB_OS 6 - 10 15-10-R1-140

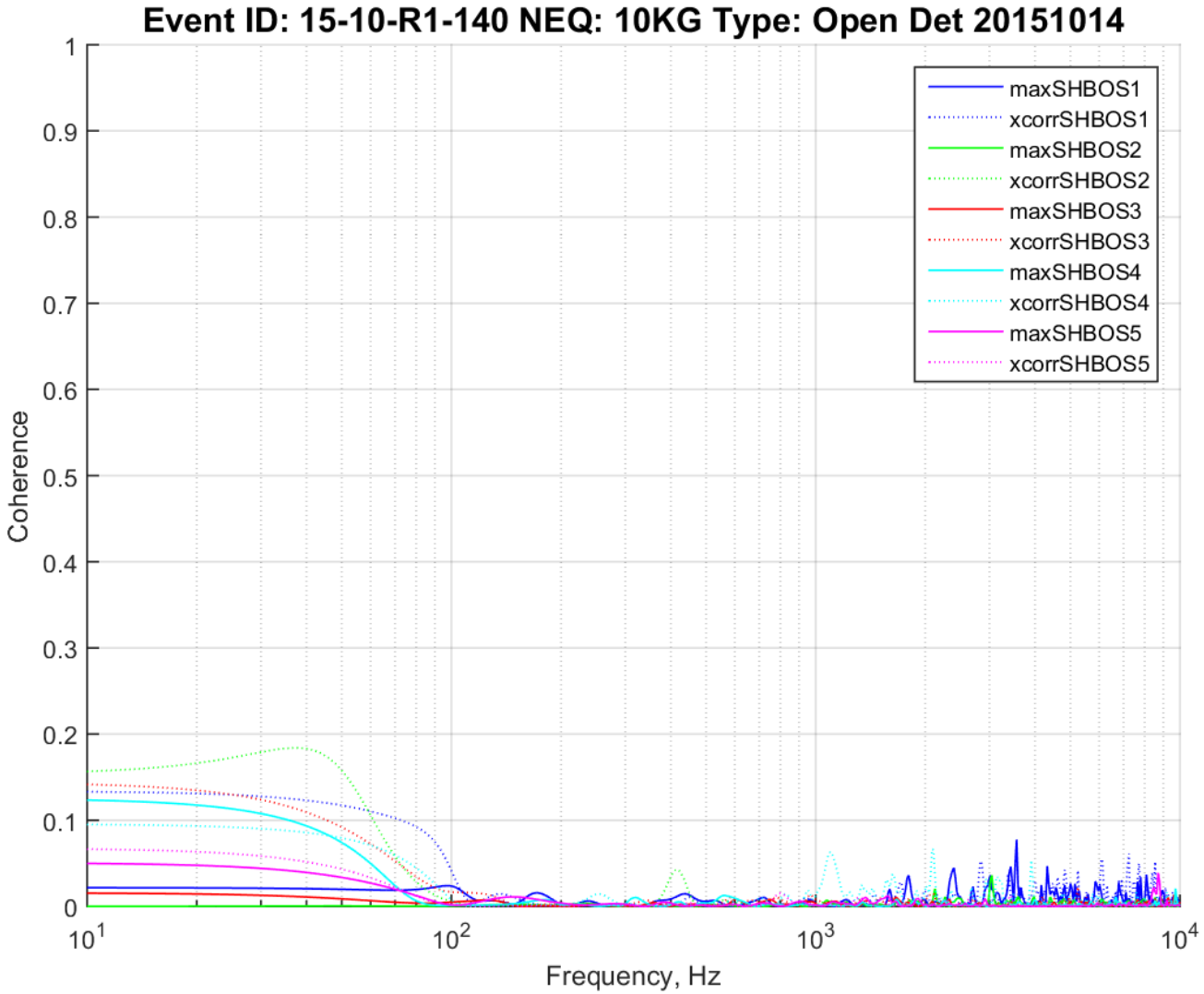


FIGURE 2.1460: COHERENCE SHB_OS 1 - 5 15-10-R1-140

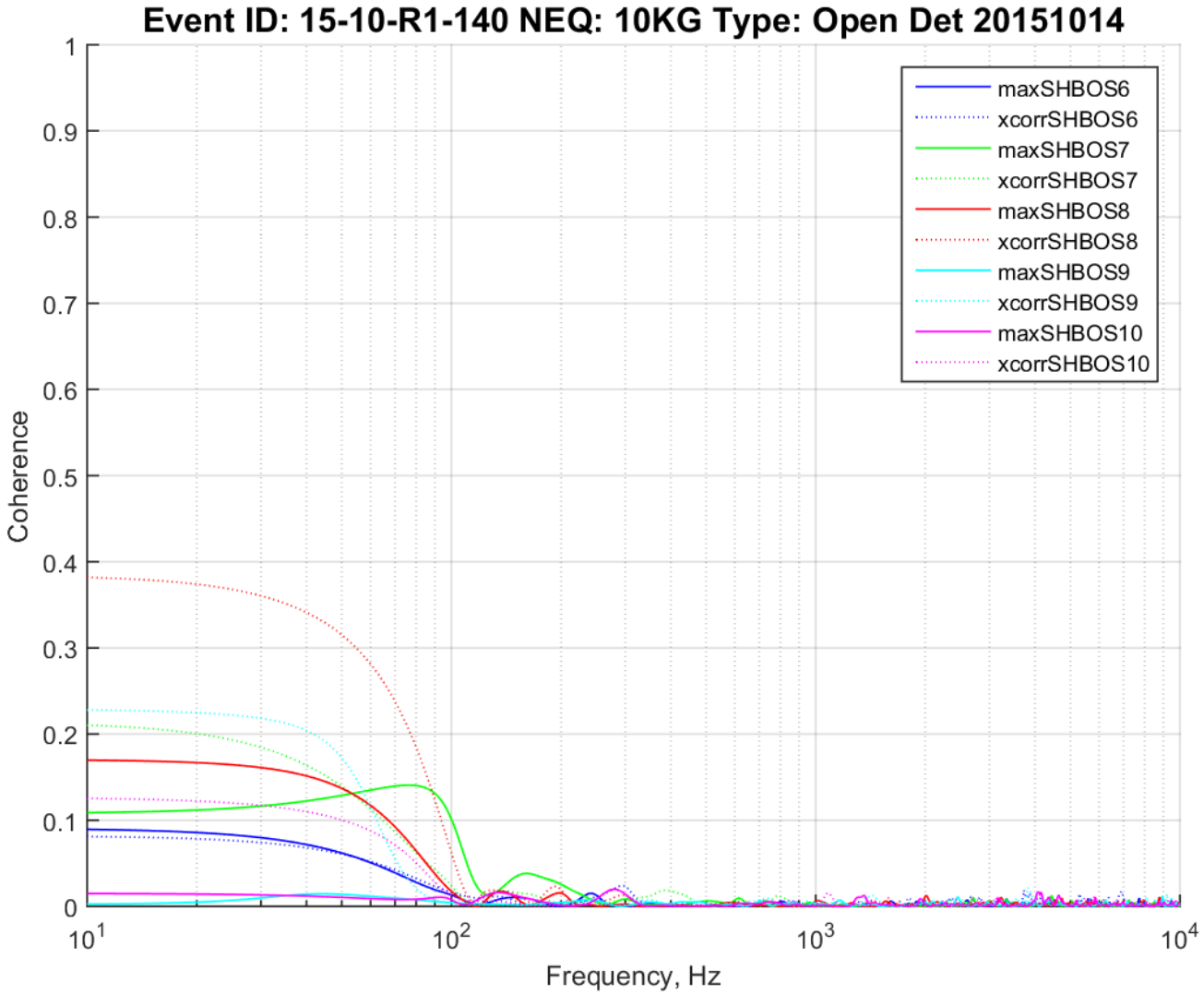


FIGURE 2.1461: COHERENCE SHB_OS 6 - 10 15-10-R1-140CTD

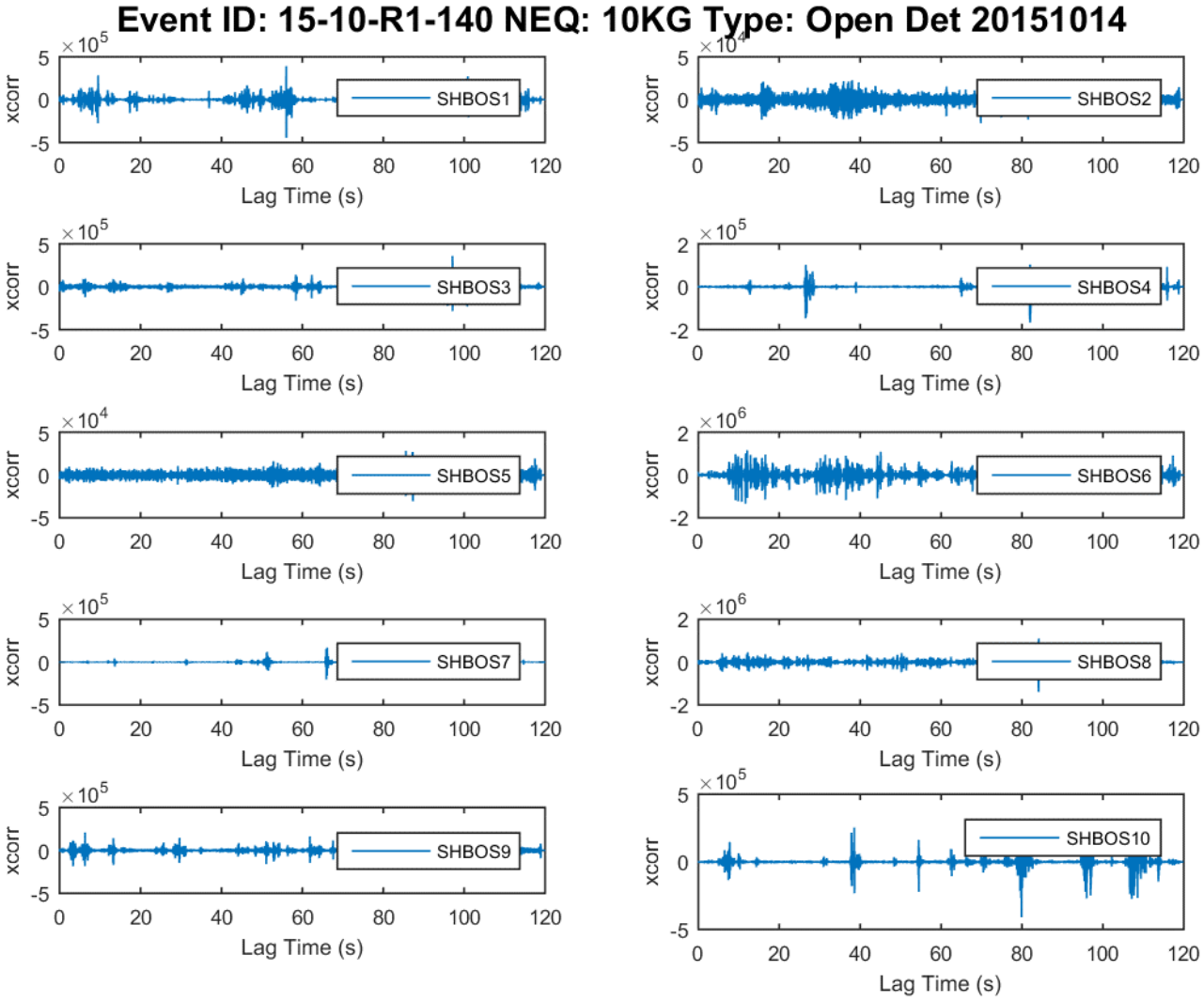


FIGURE 2.1462: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-140

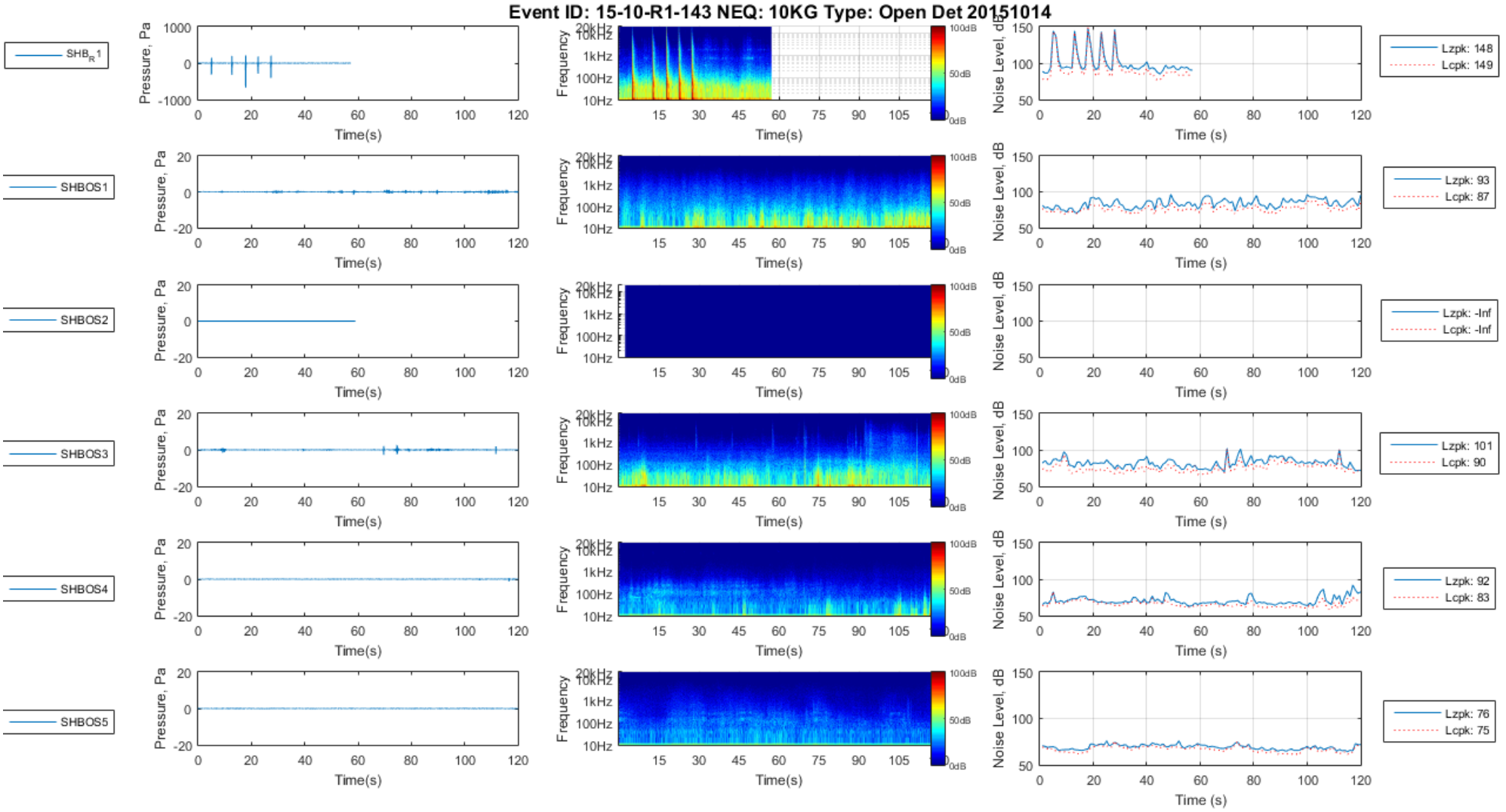


FIGURE 2.1463: SHB_OS 1 - 5 15-10-R1-143

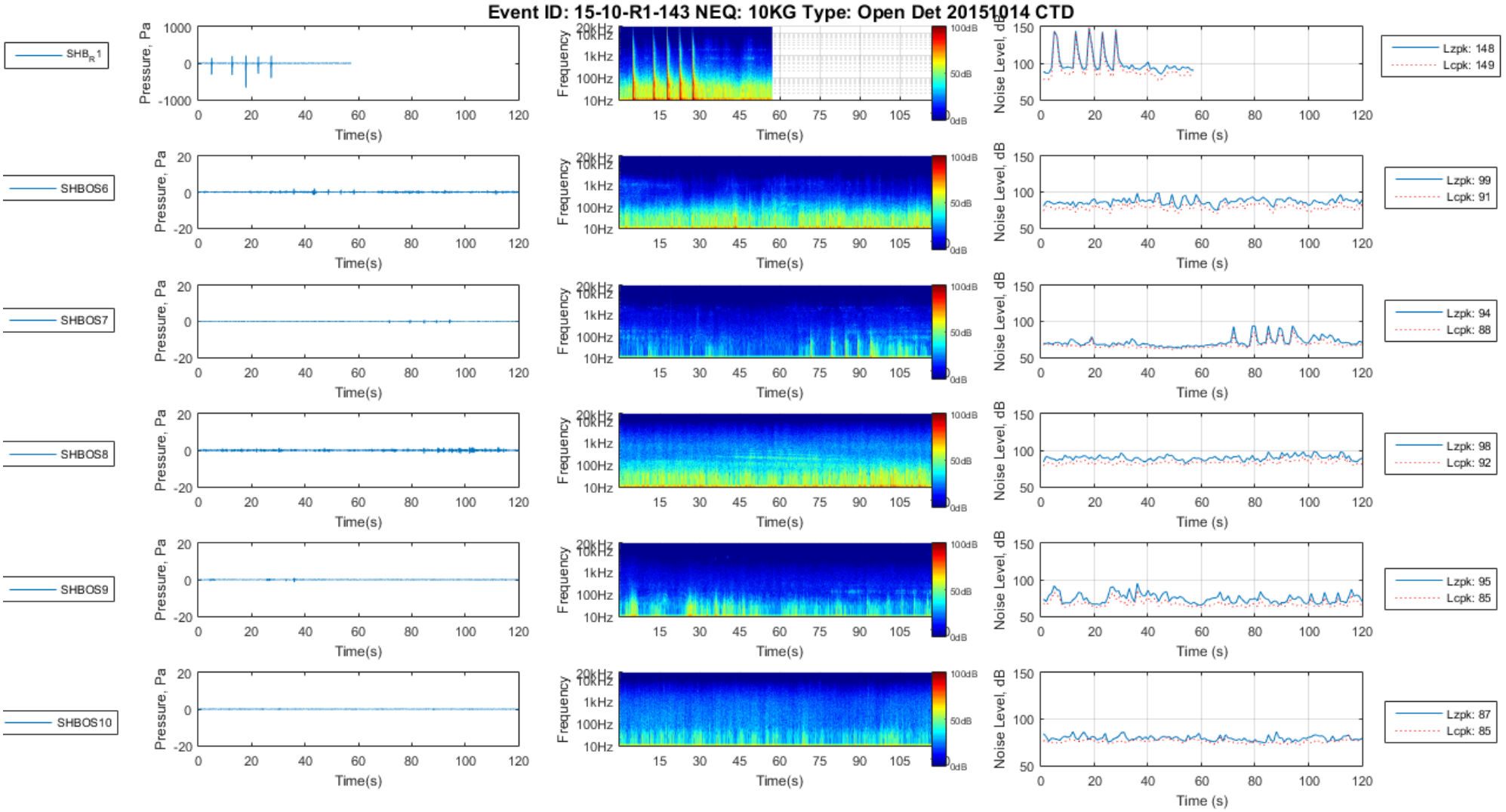


FIGURE 2.1464: SHB_OS 6 - 10 15-10-R1-143

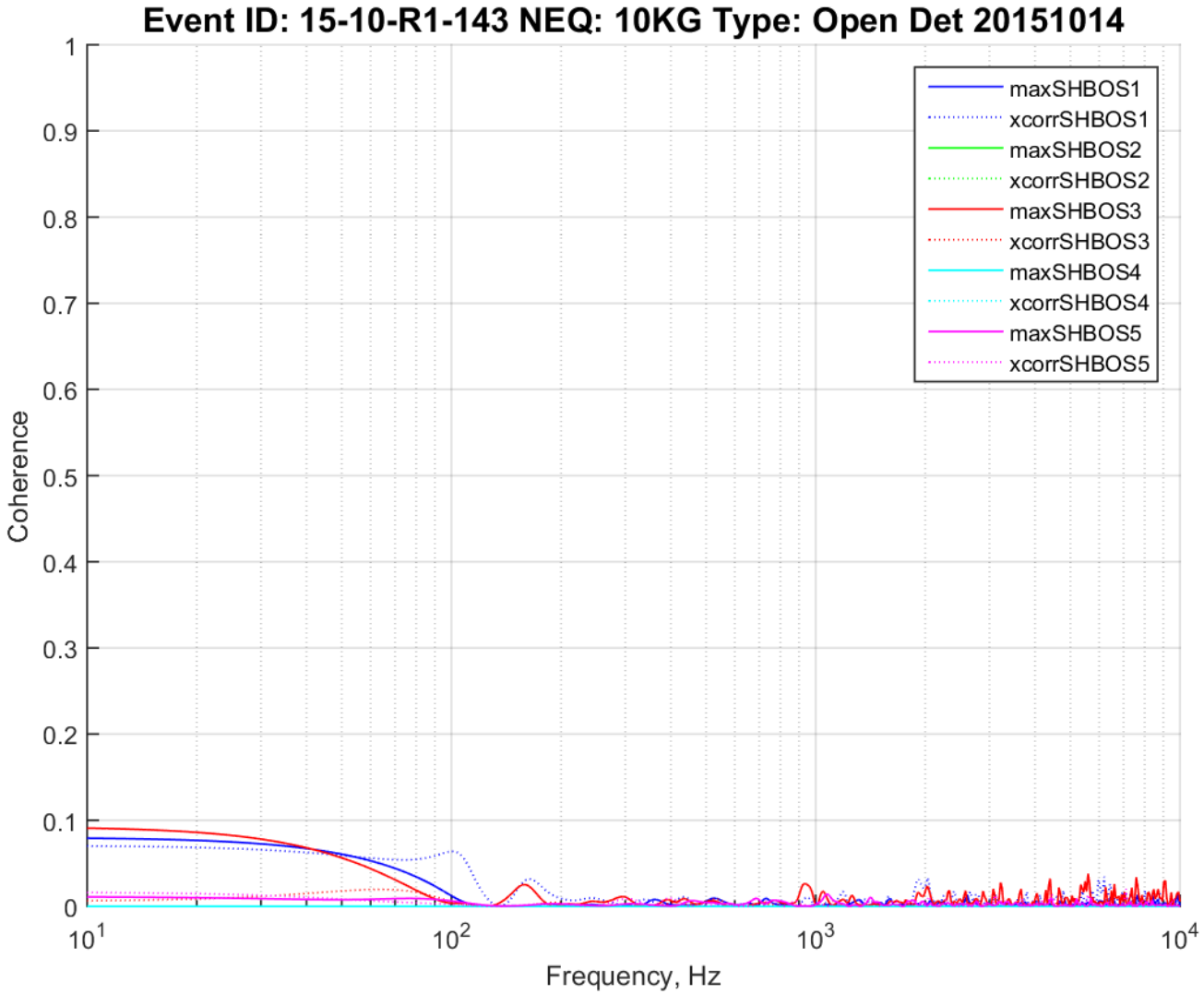


FIGURE 2.1465: COHERENCE SHB_OS 1 - 5 15-10-R1-143

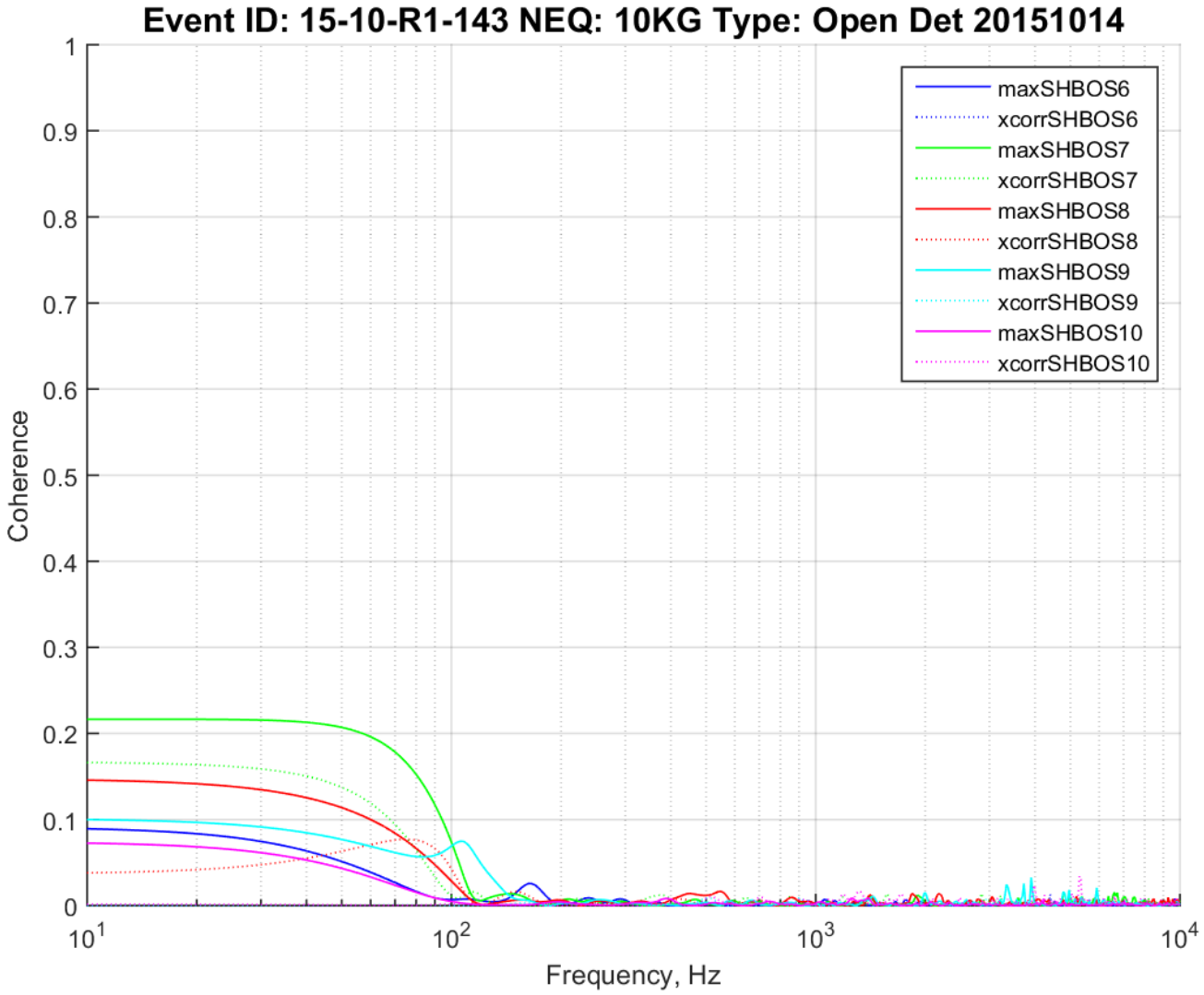


FIGURE 2.1466: COHERENCE SHB_OS 6 - 10 15-10-R1-143CTD

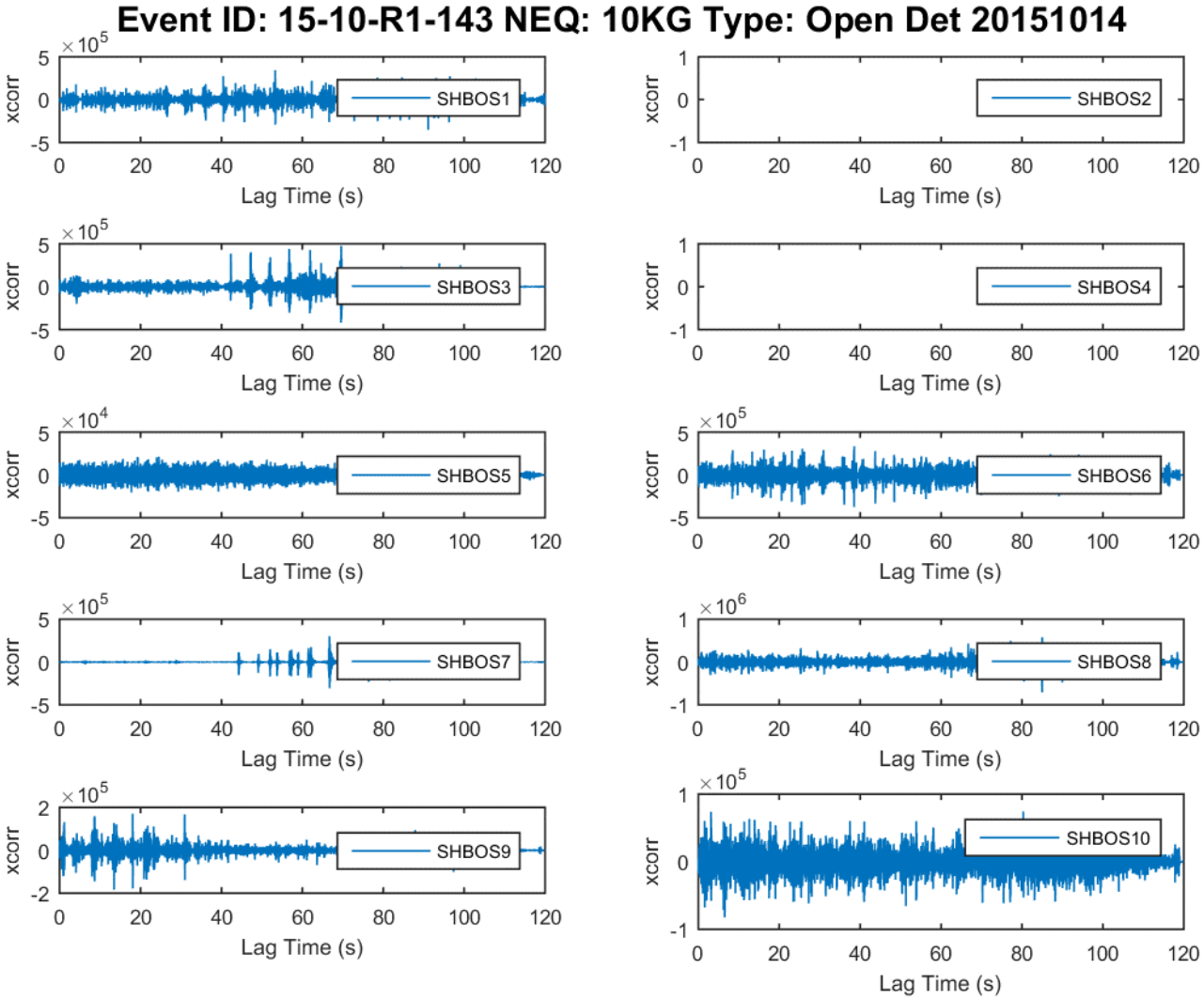


FIGURE 2.1467: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-143

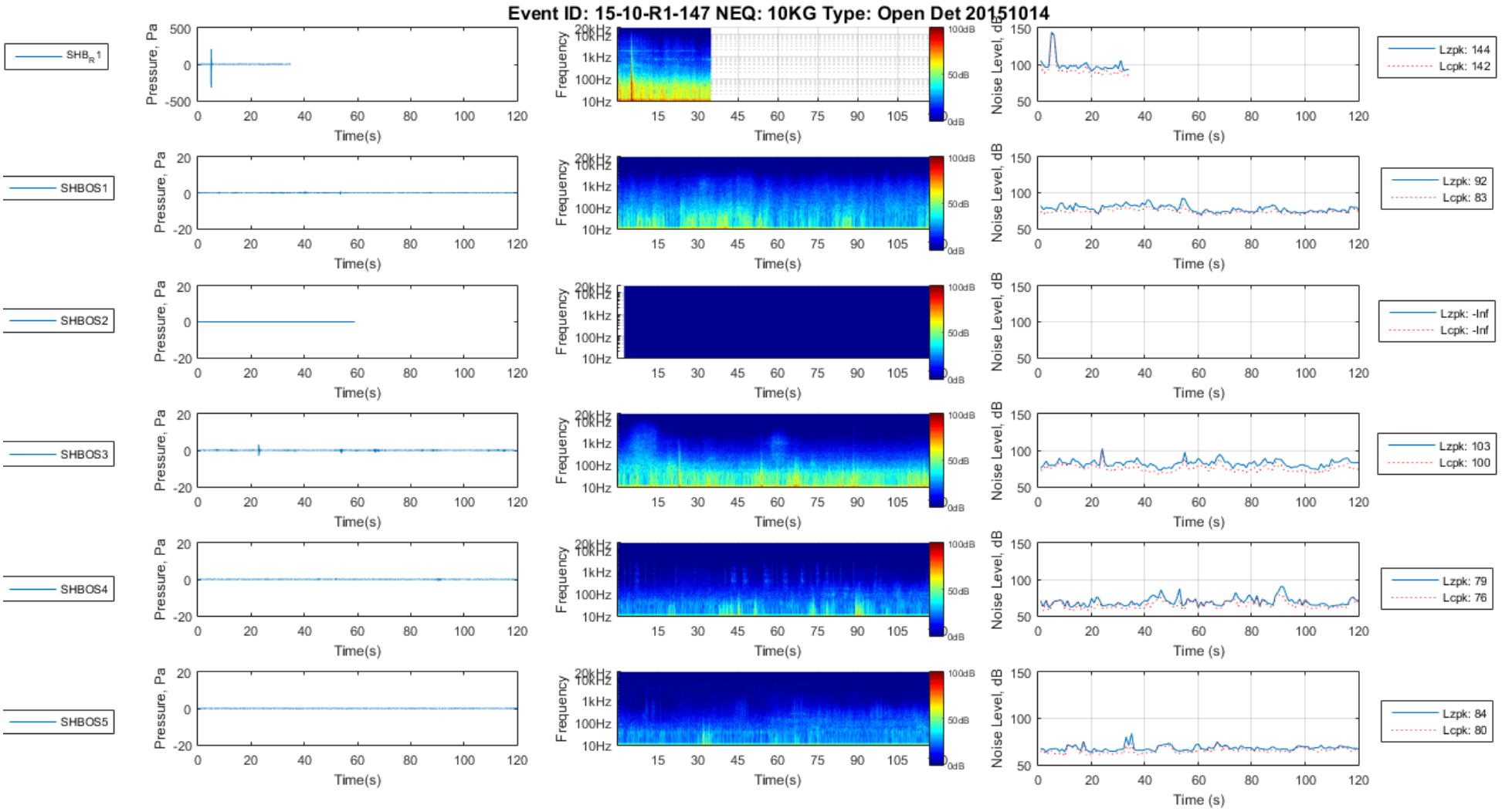


FIGURE 2.1468: SHB_OS 1 - 5 15-10-R1-147

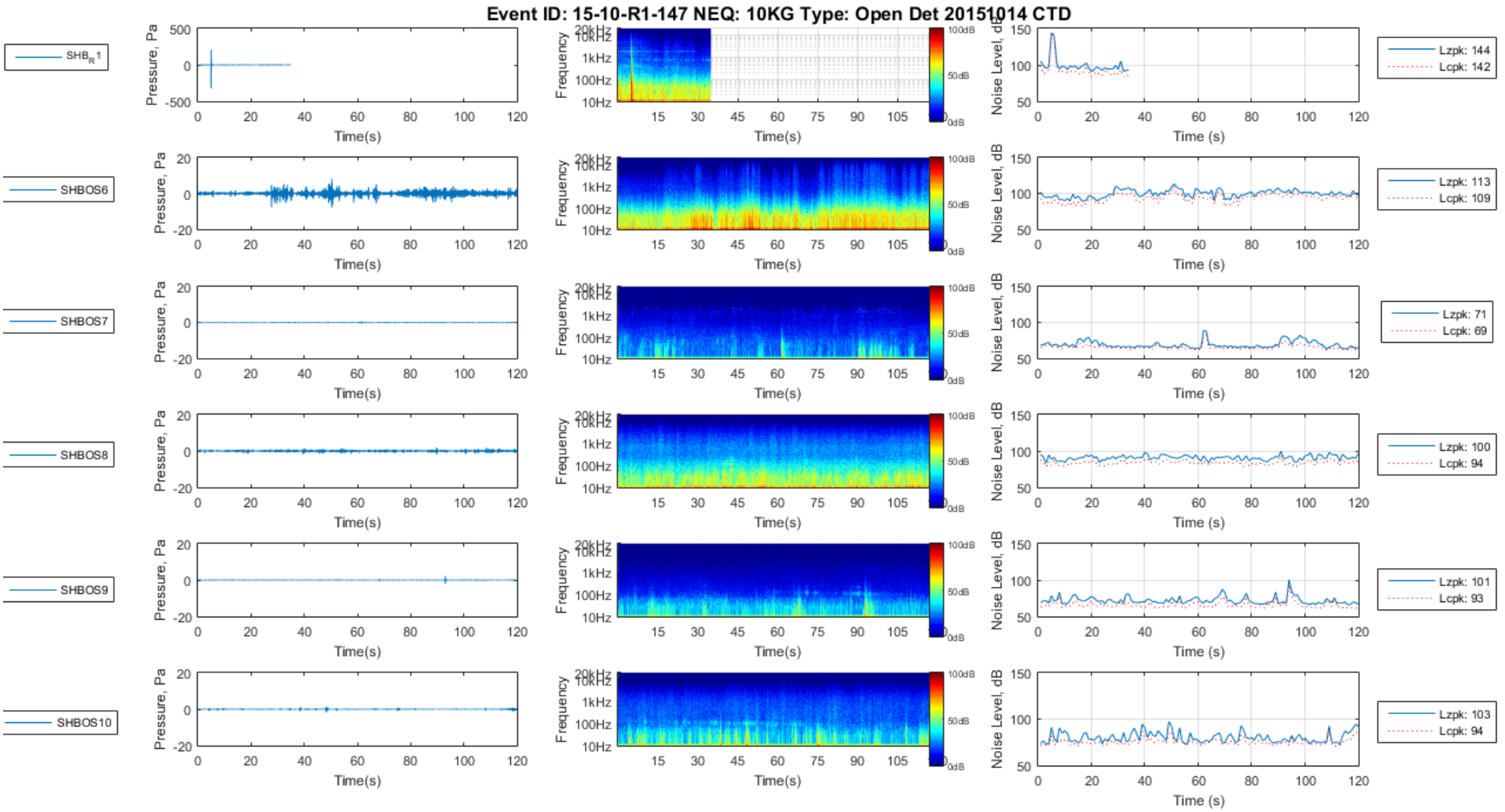


FIGURE 2.1469: SHB_OS 6 - 10 15-10-R1-147

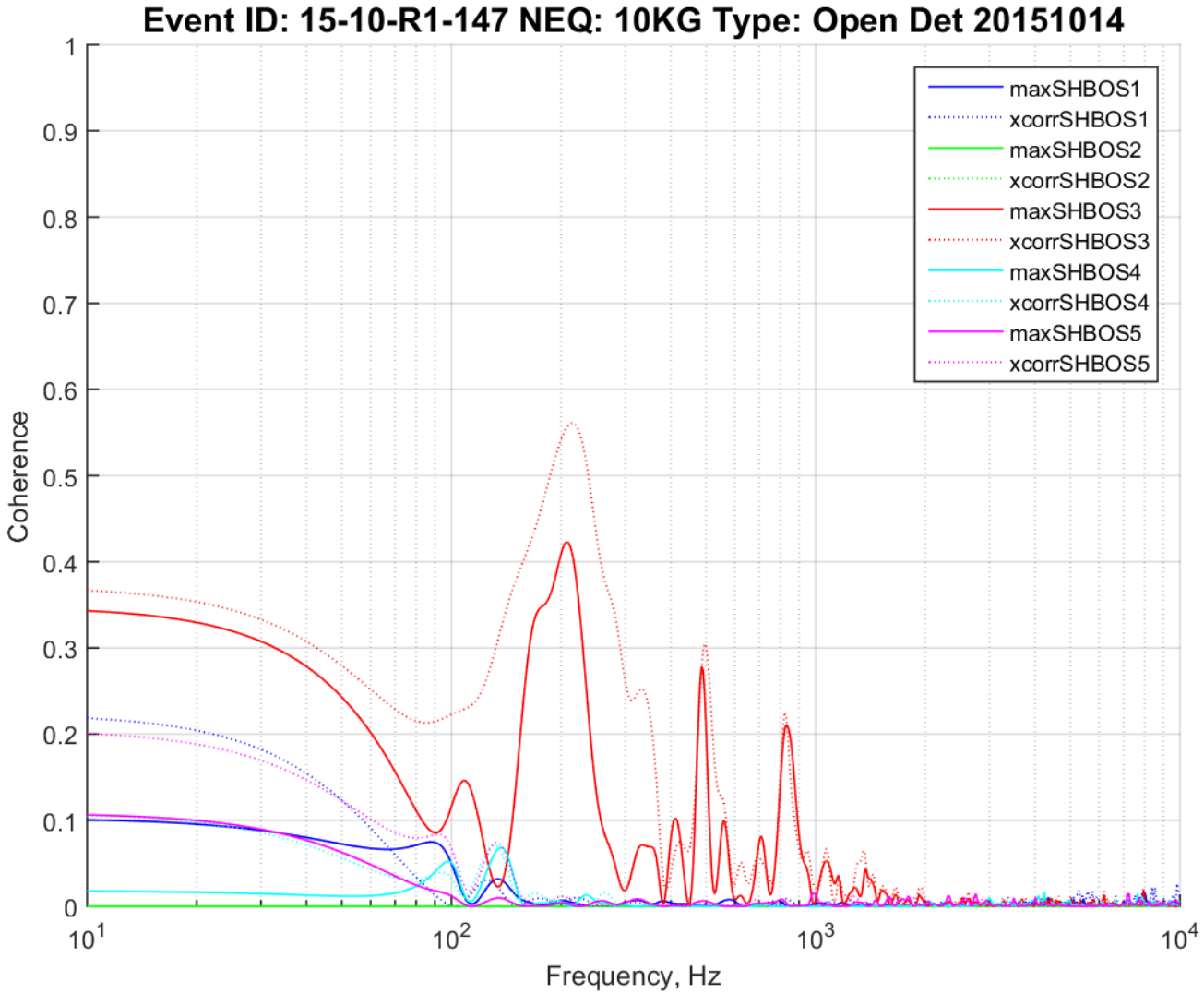


FIGURE 2.1470: COHERENCE SHB_OS 1 - 5 15-10-R1-147

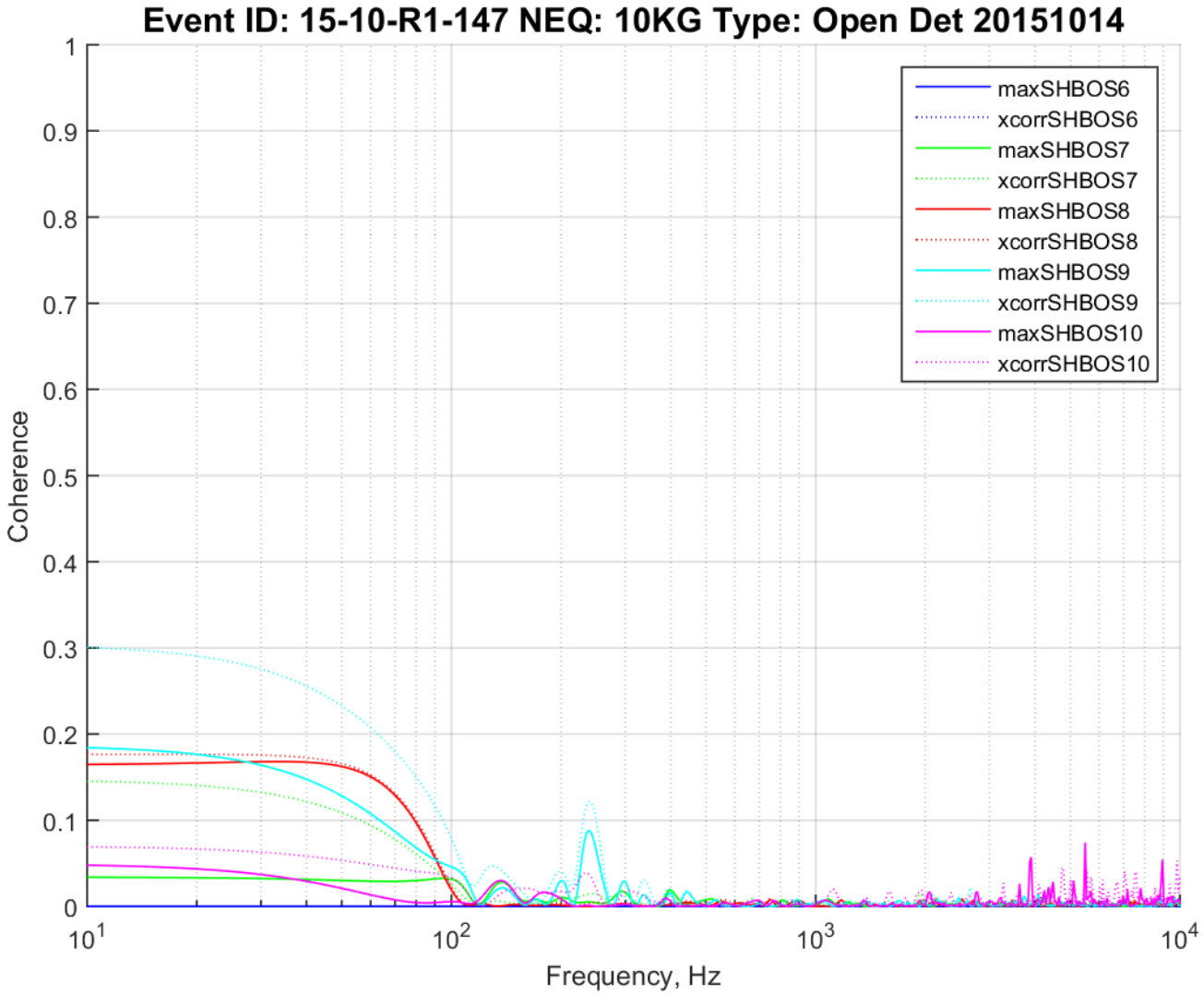


FIGURE 2.1471: COHERENCE SHB_OS 6 - 10 15-10-R1-147CTD

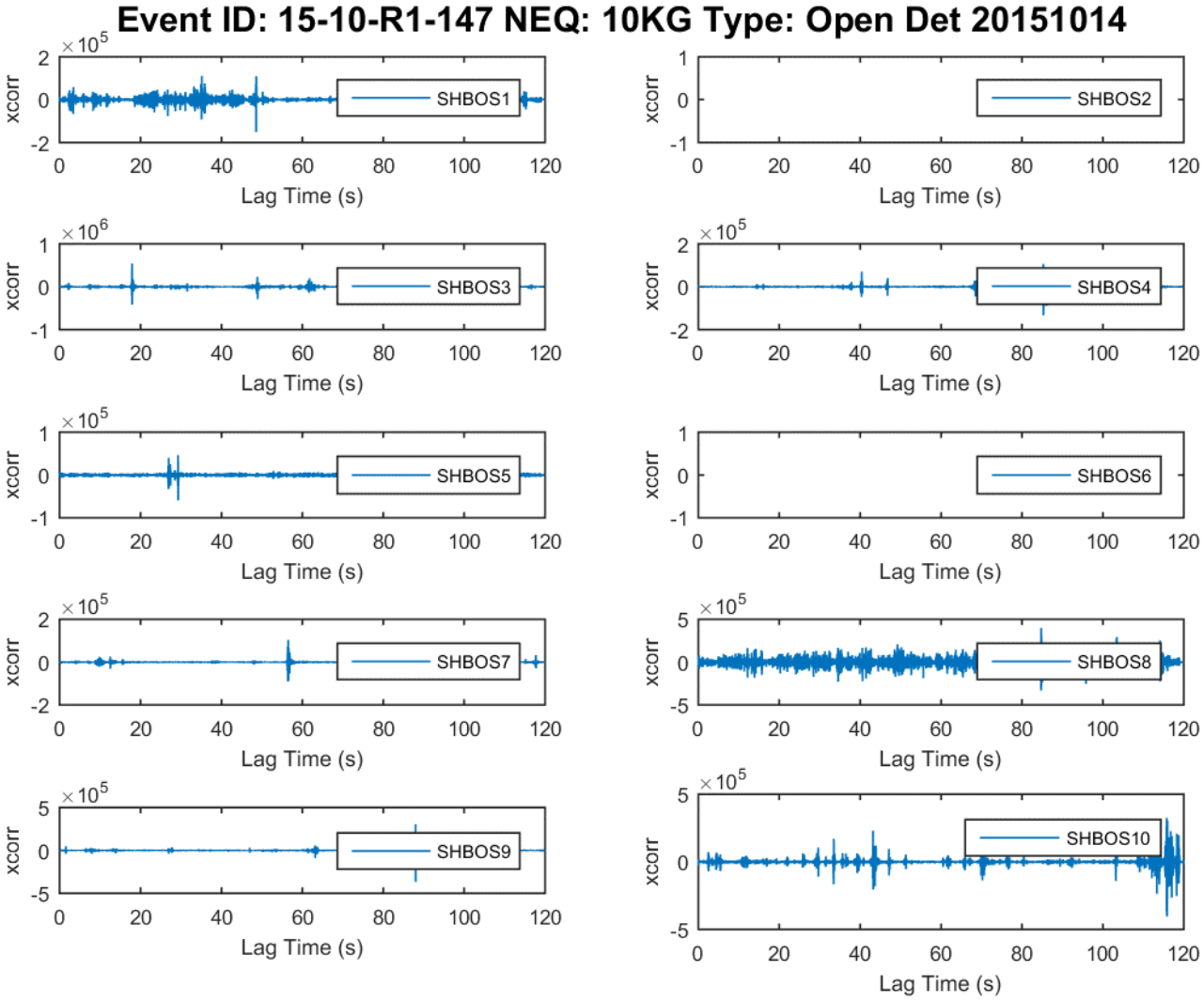


FIGURE 2.1472: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-147

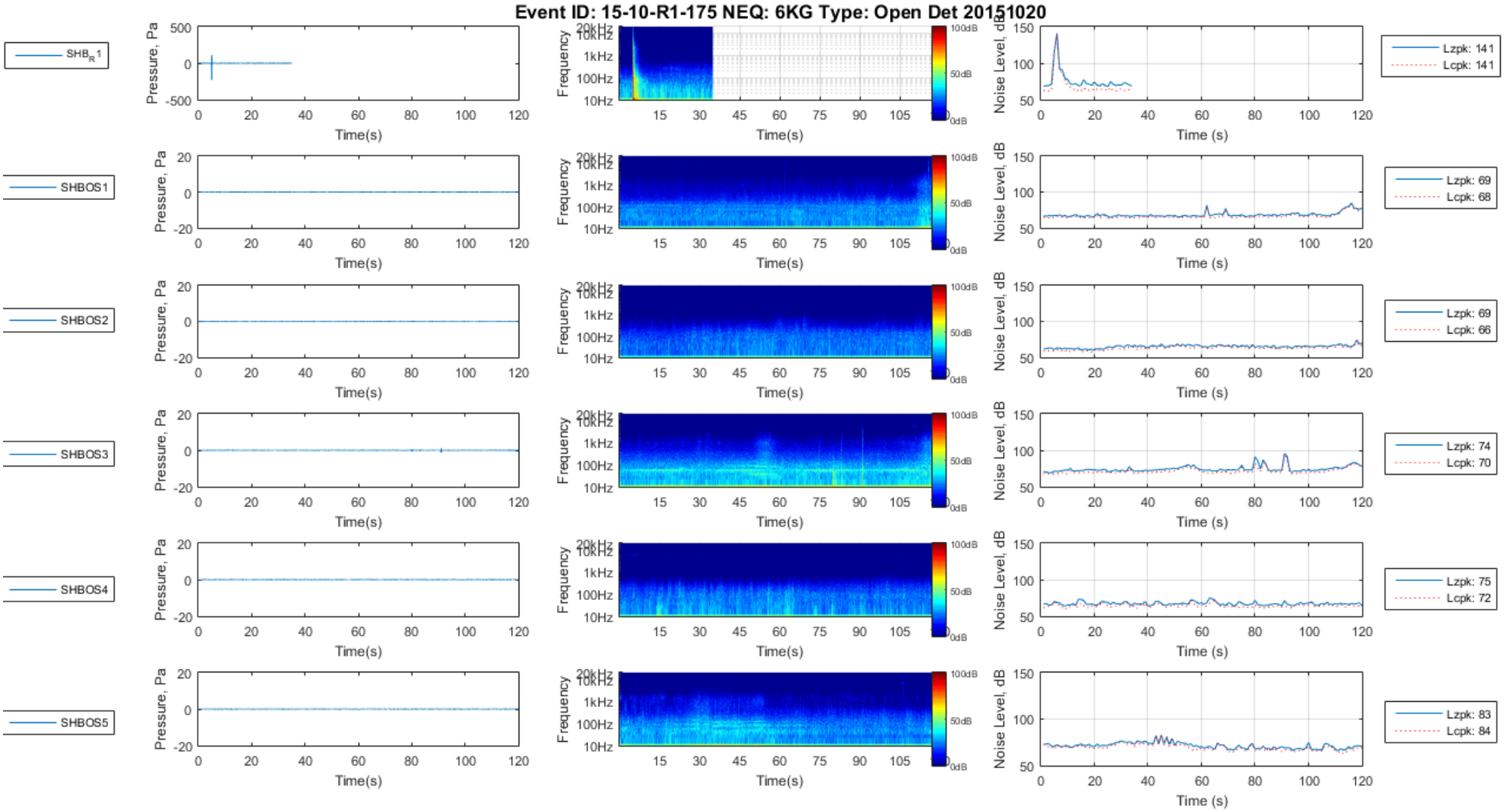


FIGURE 2.1473: SHB_OS 1 - 5 15-10-R1-175

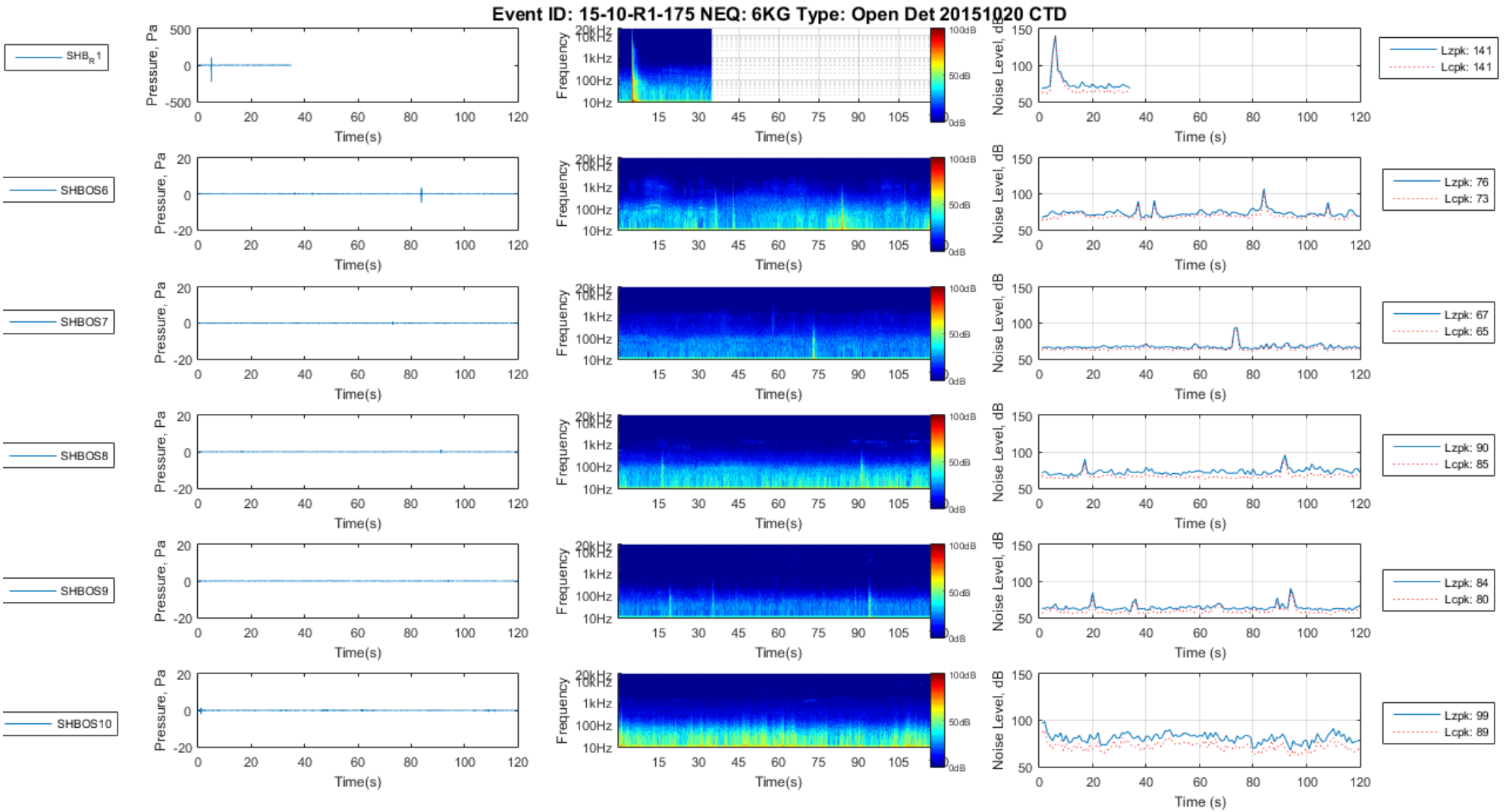


FIGURE 2.1474: SHB_OS 6 - 10 15-10-R1-175

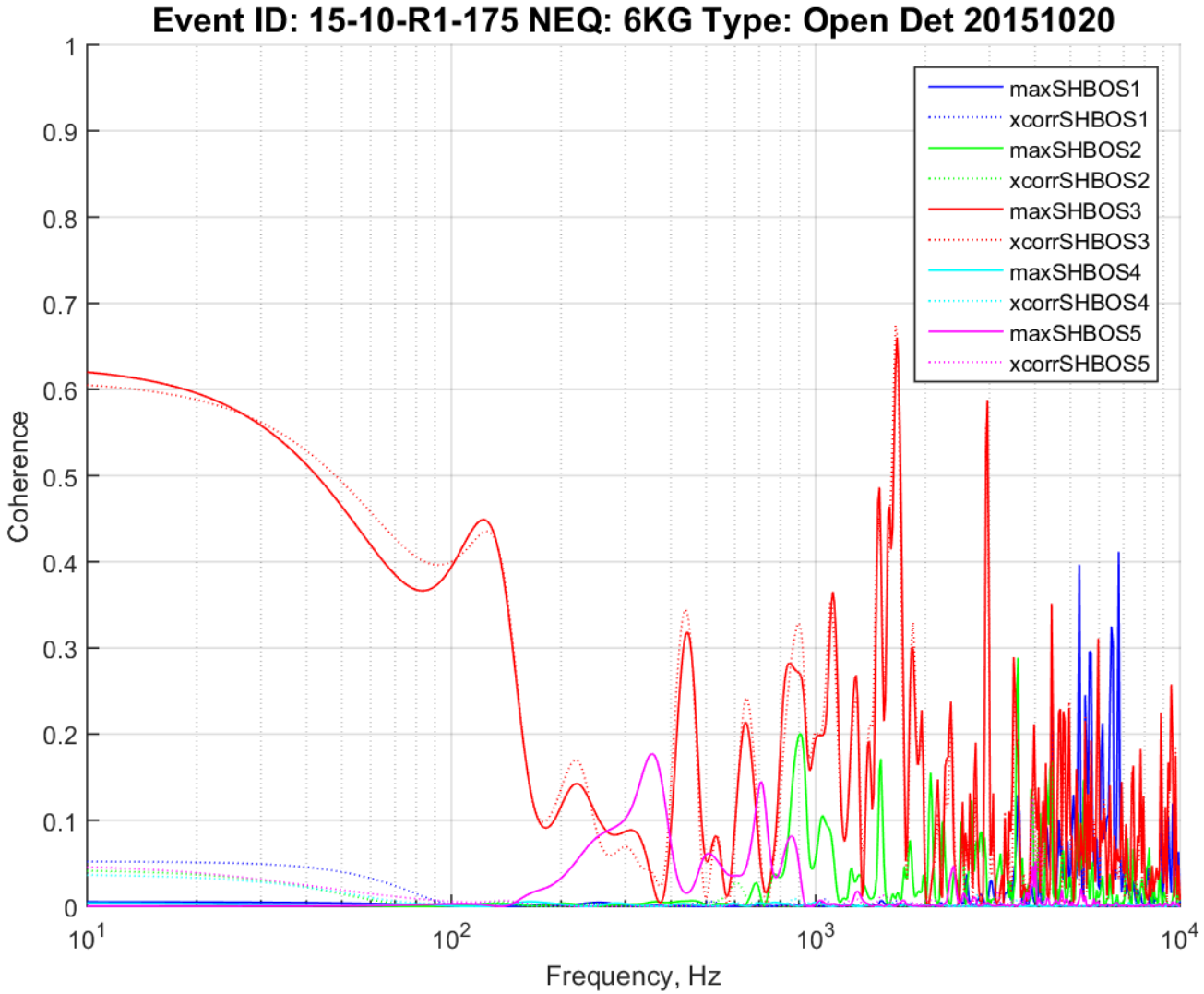


FIGURE 2.1475: COHERENCE SHB_OS 1 - 5 15-10-R1-175

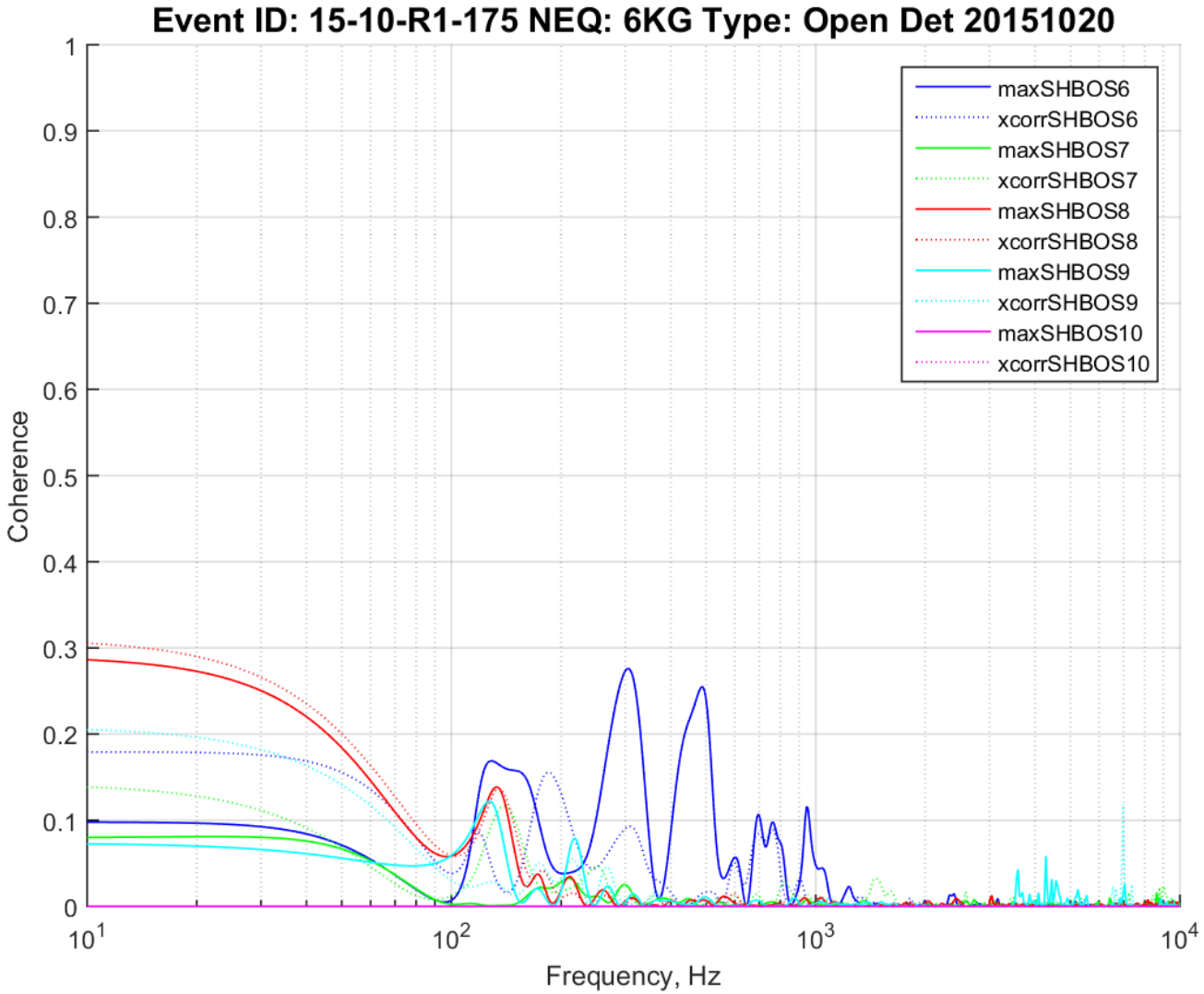


FIGURE 2.1476: COHERENCE SHB_OS 6 - 10 15-10-R1-175CTD

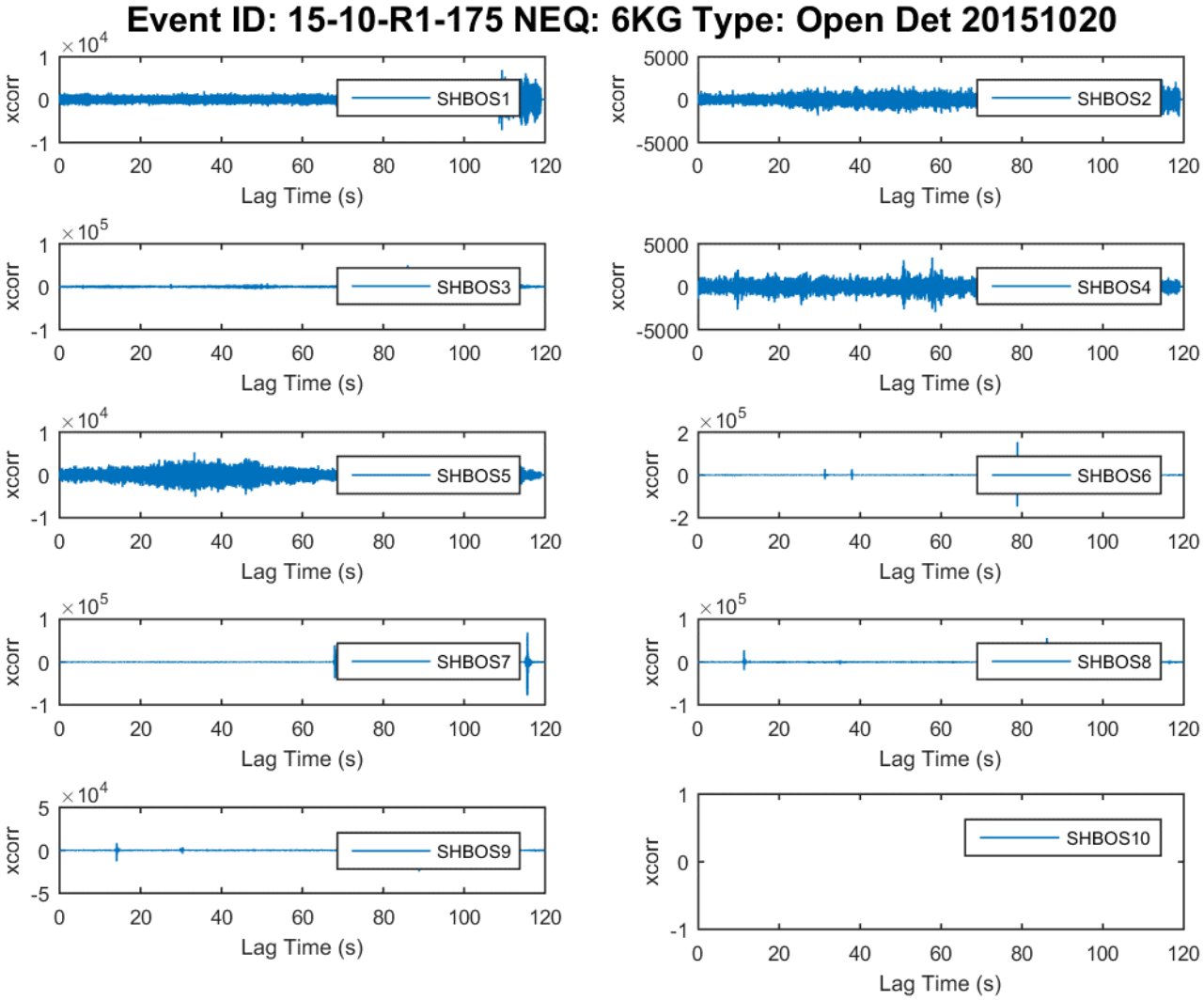


FIGURE 2.1477: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-175

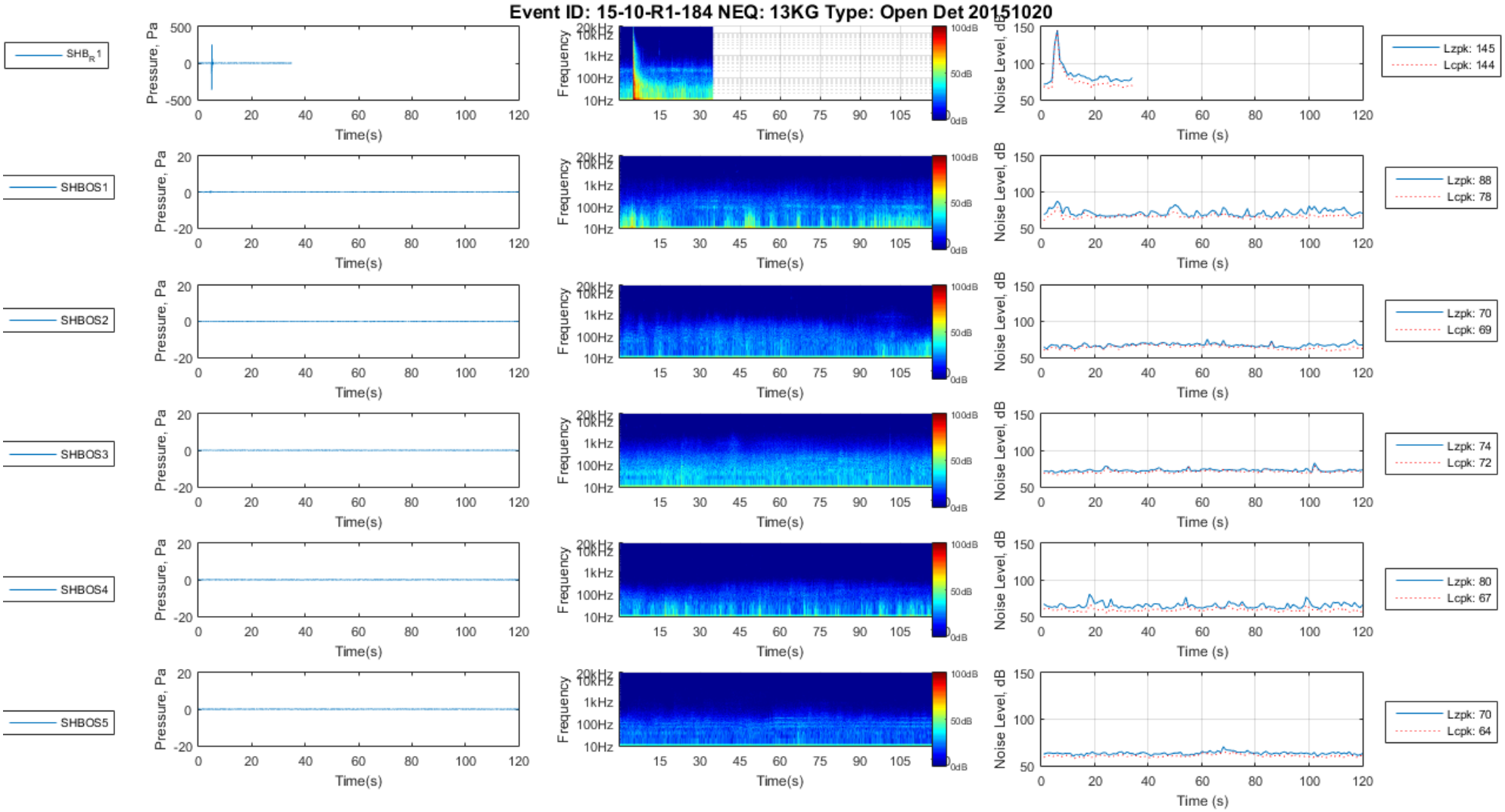


FIGURE 2.1478: SHB_OS 1 - 5 15-10-R1-184

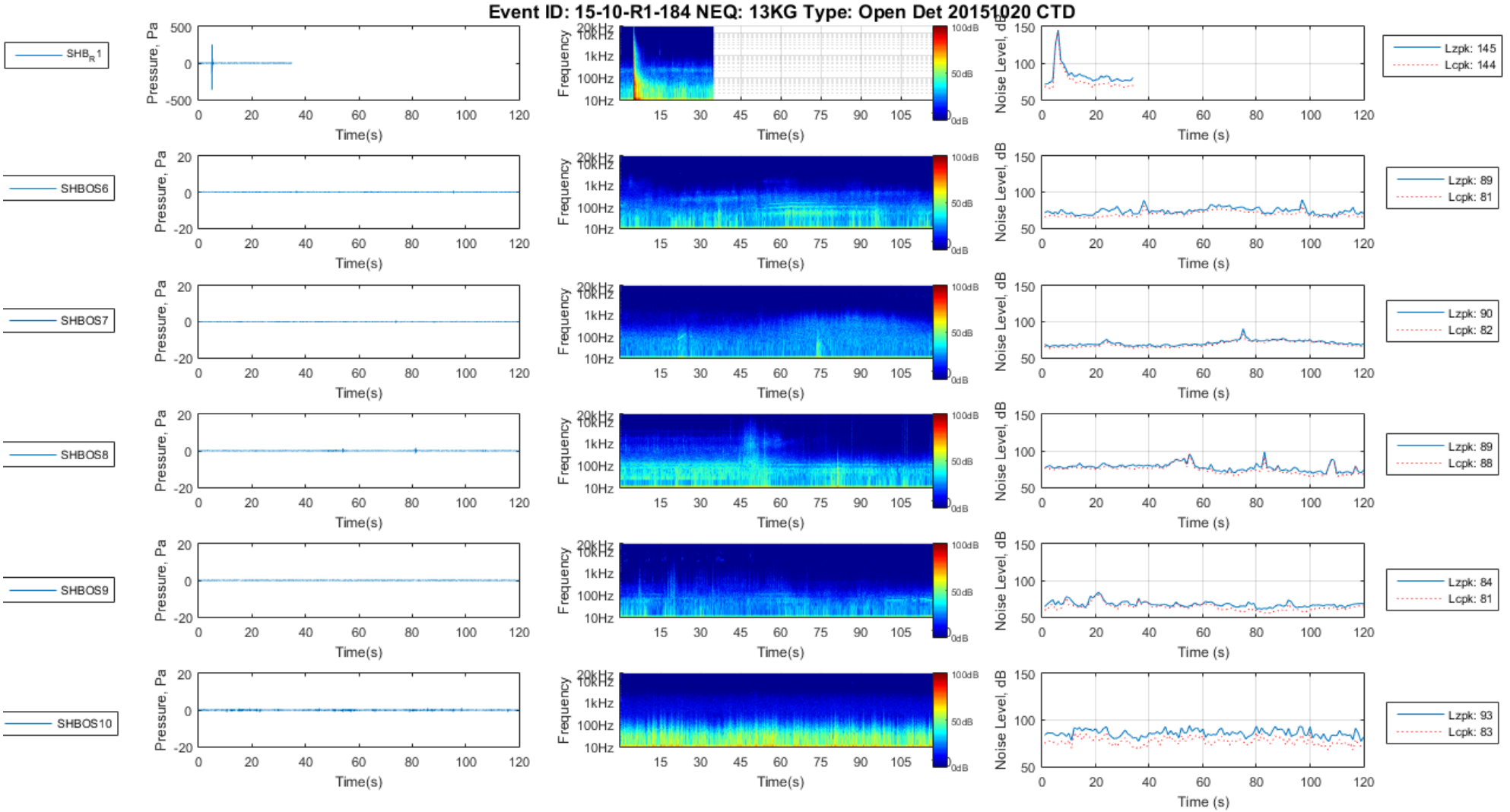


FIGURE 2.1479: SHB_OS 6 - 10 15-10-R1-184

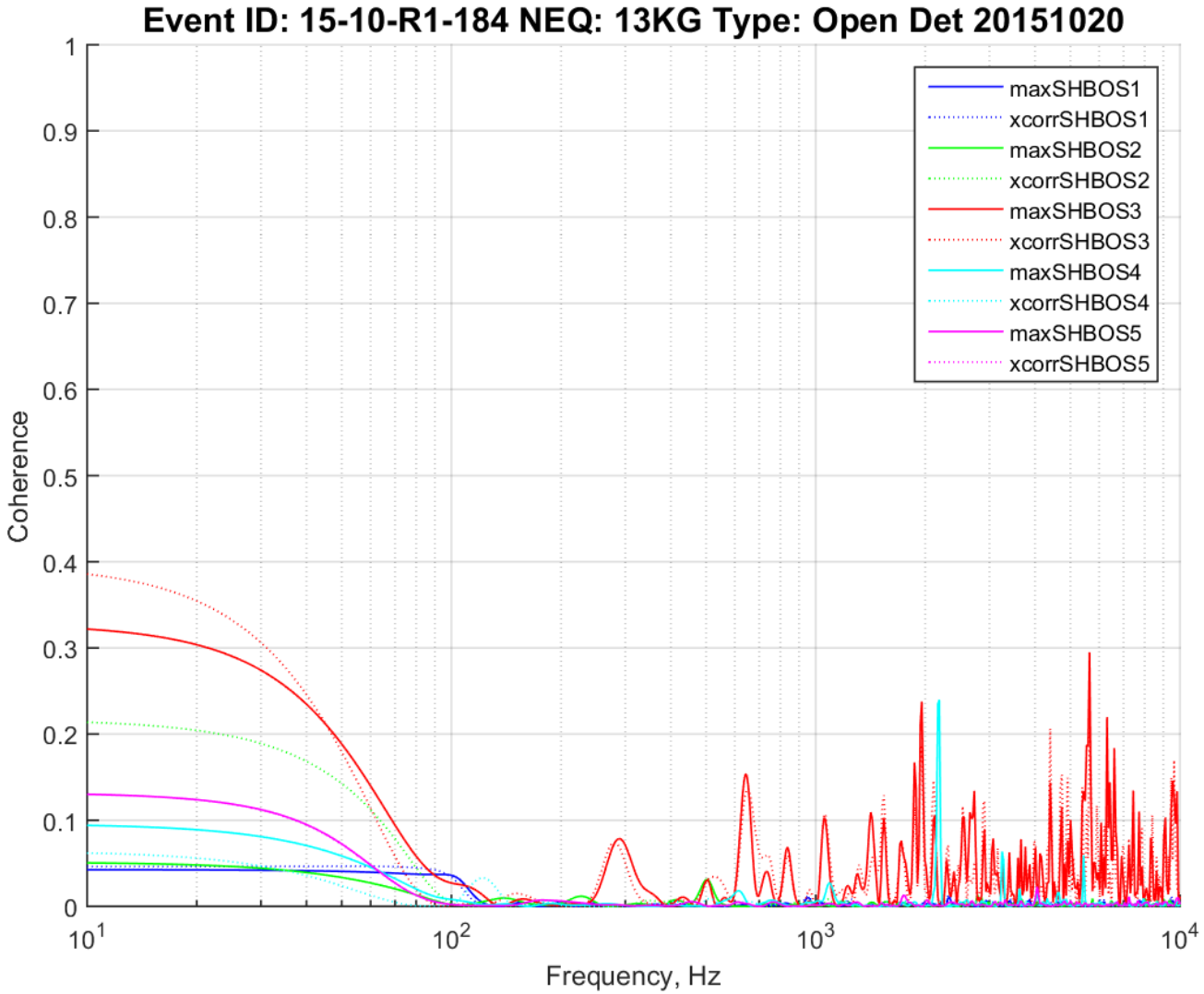


FIGURE 2.1480: COHERENCE SHB_OS 1 - 5 15-10-R1-184

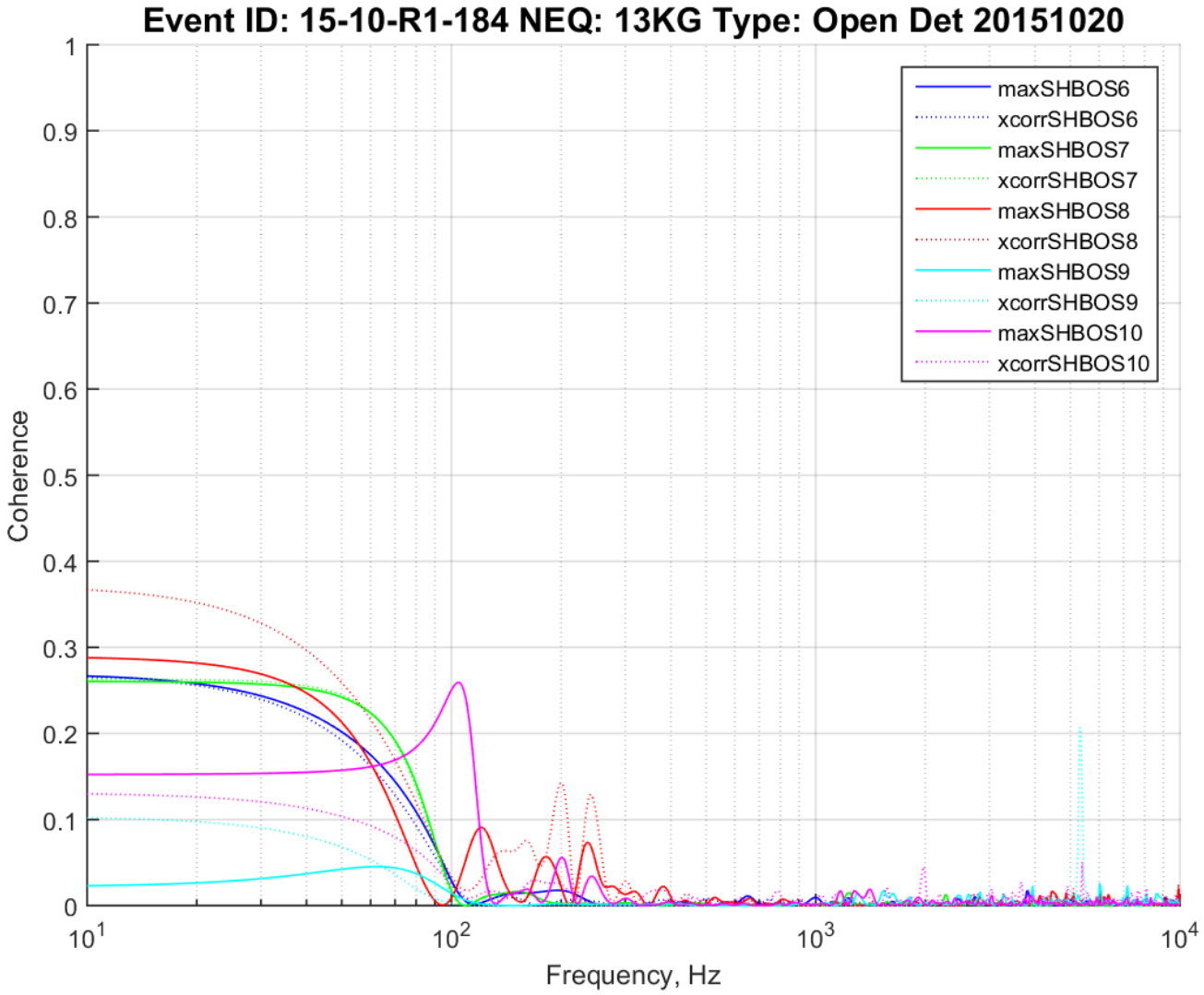


FIGURE 2.1481: COHERENCE SHB_OS 6 - 10 15-10-R1-184CTD

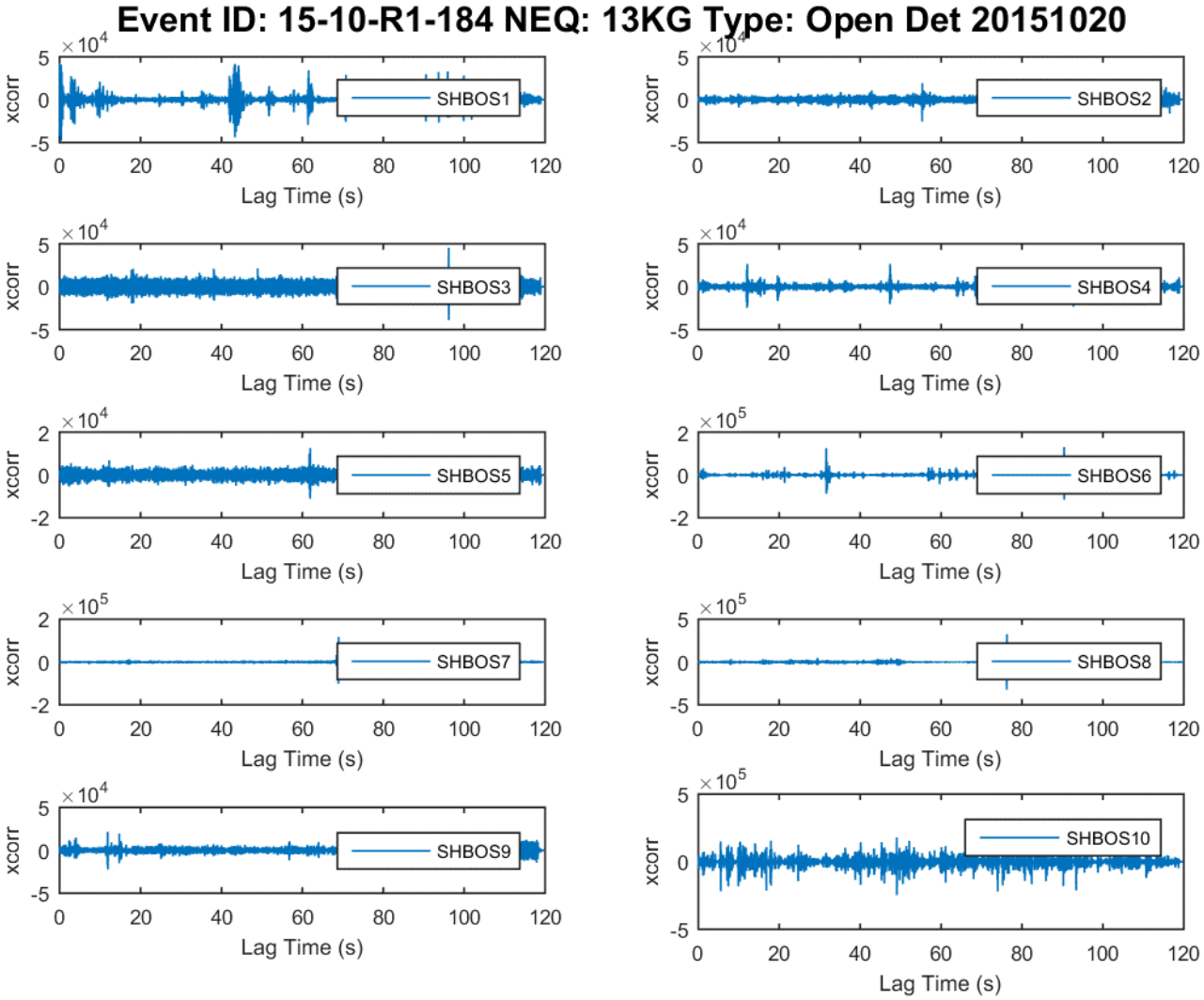


FIGURE 2.1482: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-184

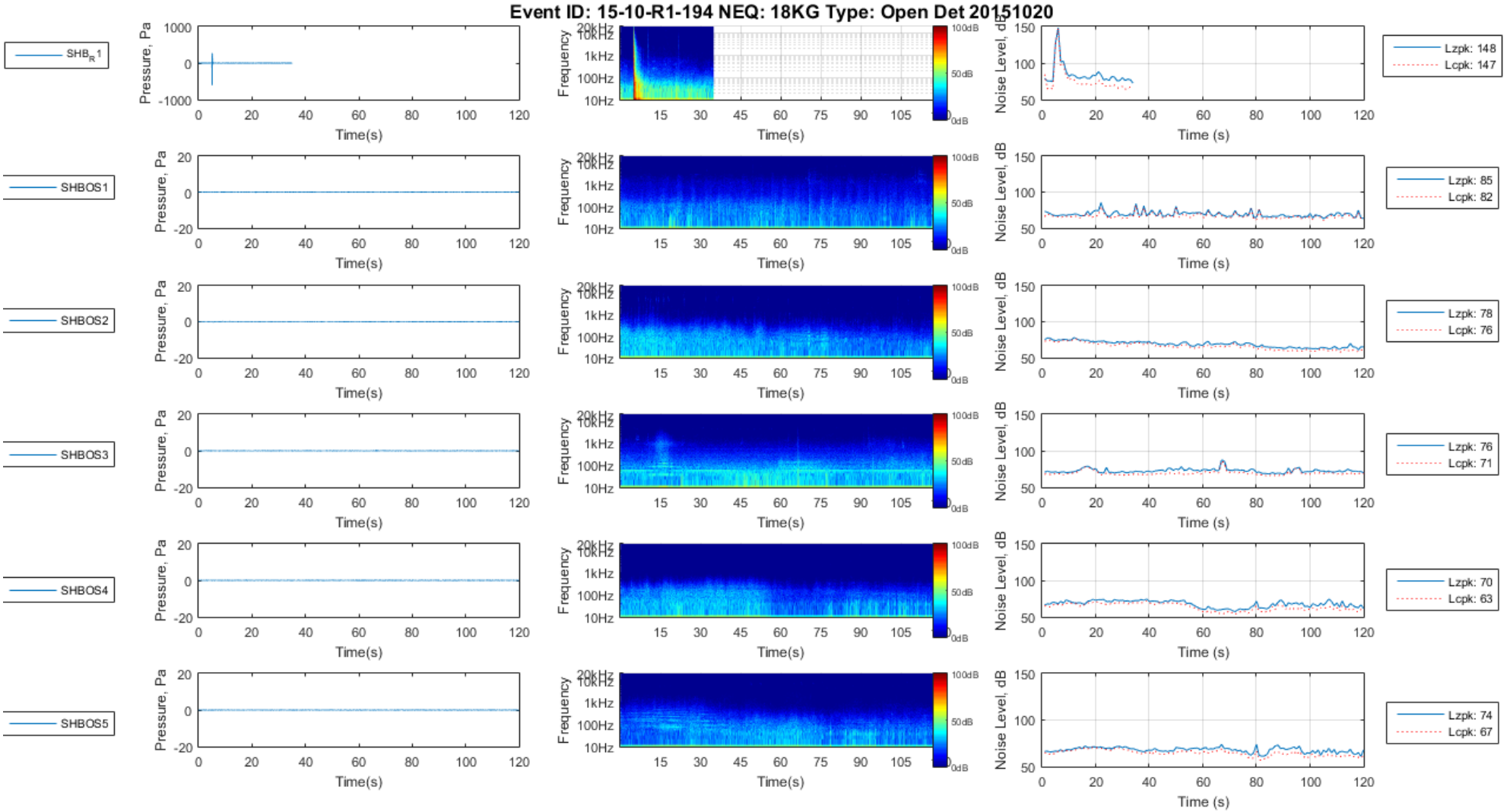


FIGURE 2.1483: SHB_OS 1 - 5 15-10-R1-194

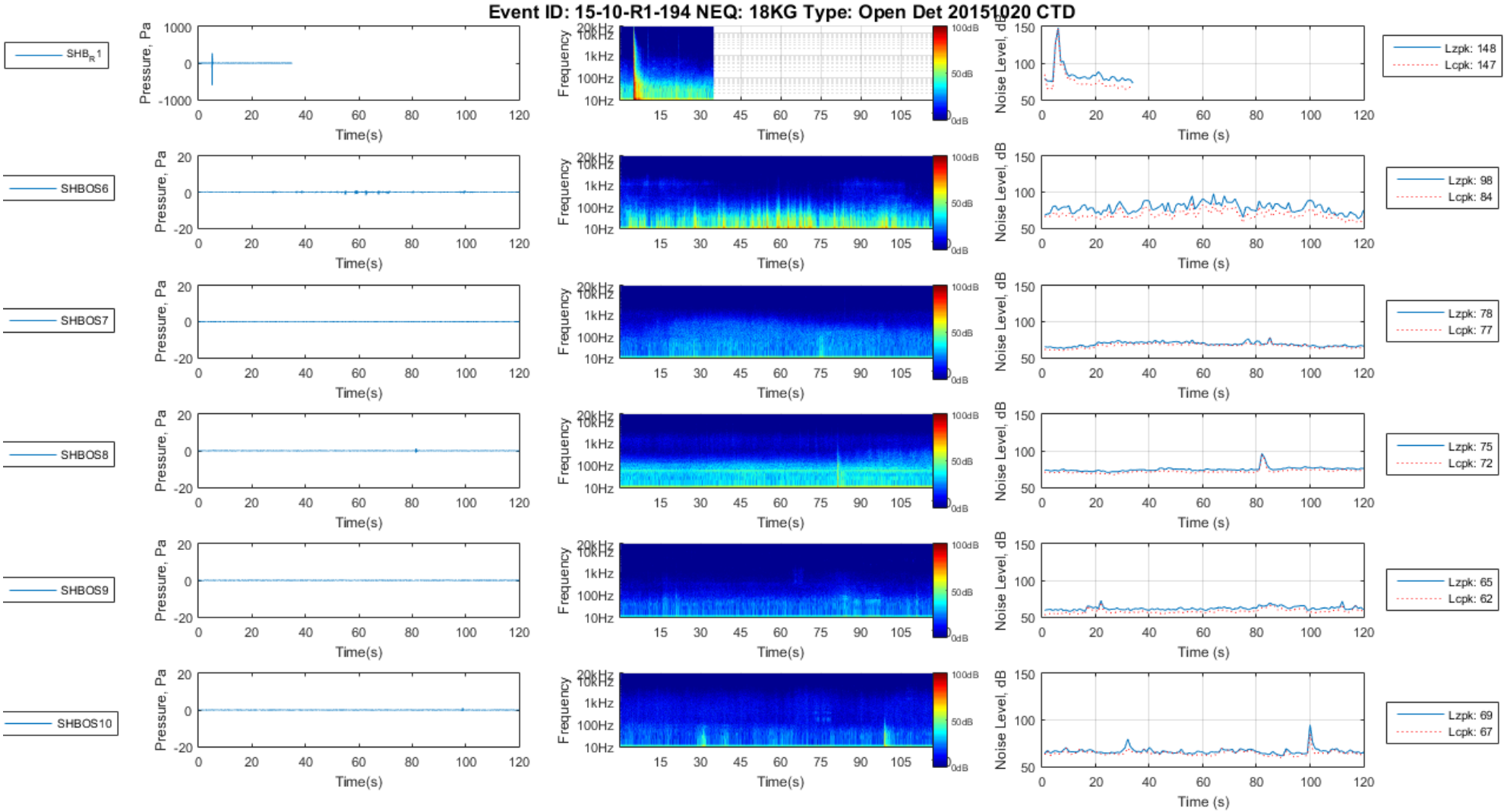


FIGURE 2.1484: SHB_OS 6 - 10 15-10-R1-194

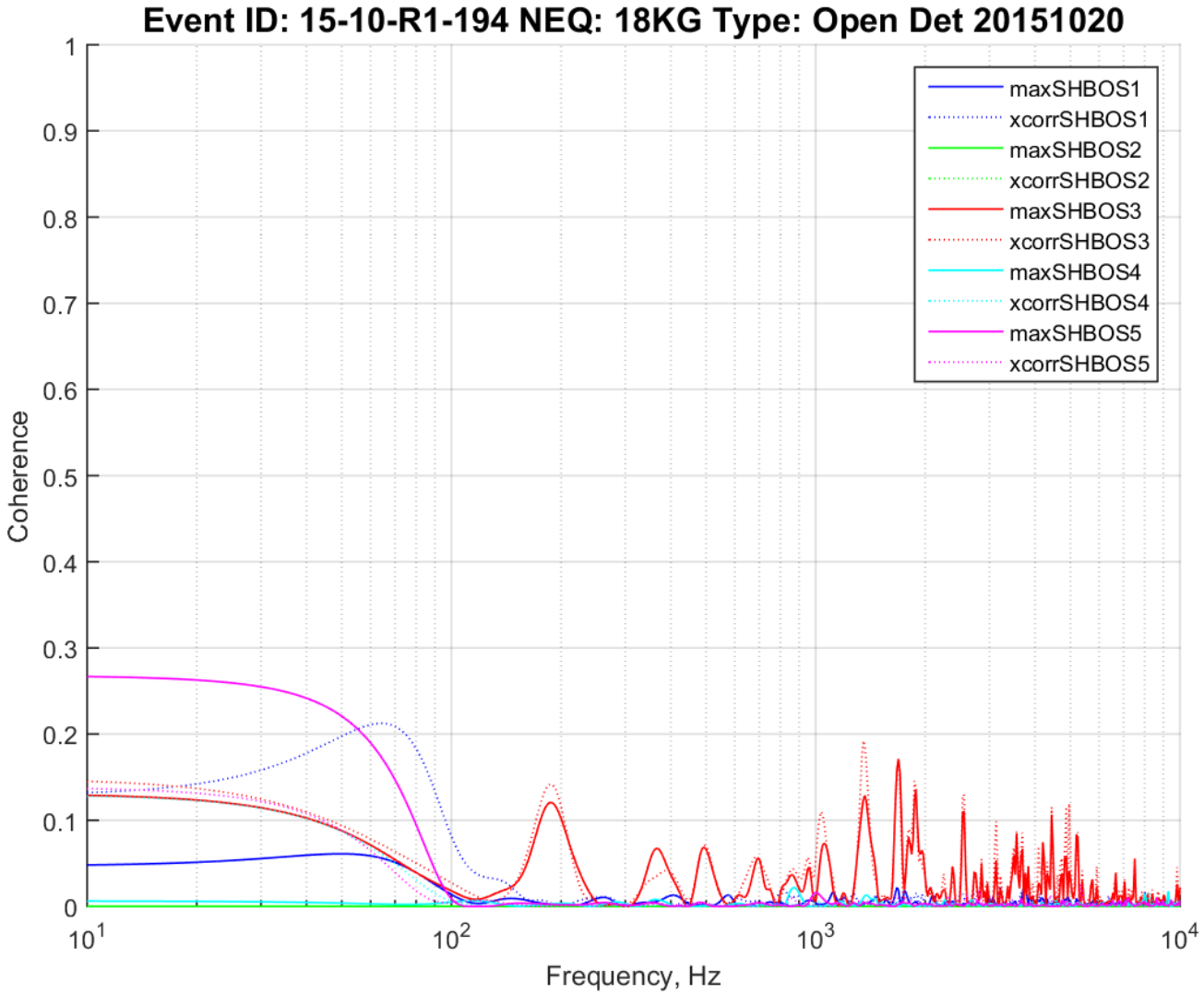


FIGURE 2.1485: COHERENCE SHB_OS 1 - 5 15-10-R1-194

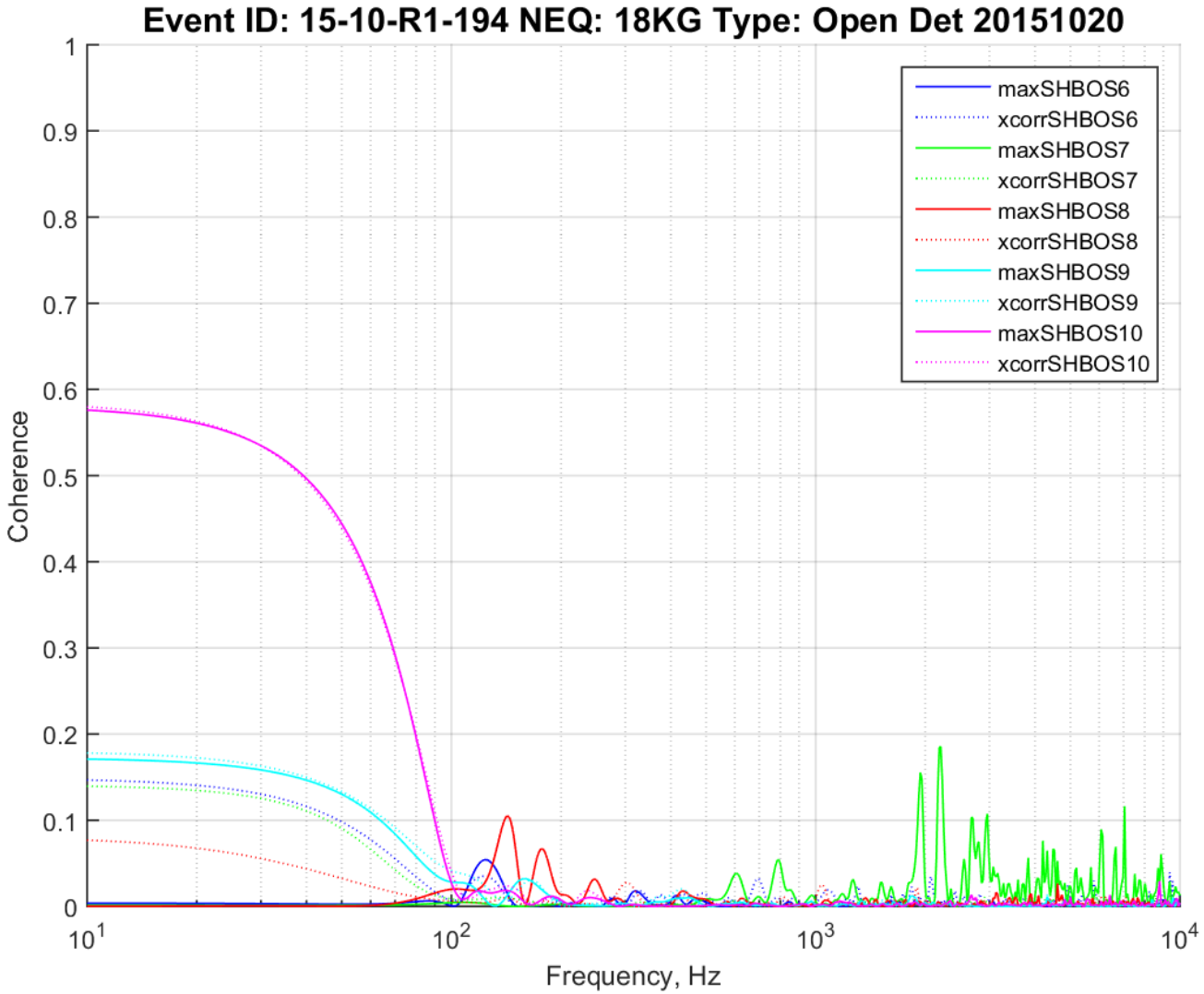


FIGURE 2.1486: COHERENCE SHB_OS 6 - 10 15-10-R1-194CTD

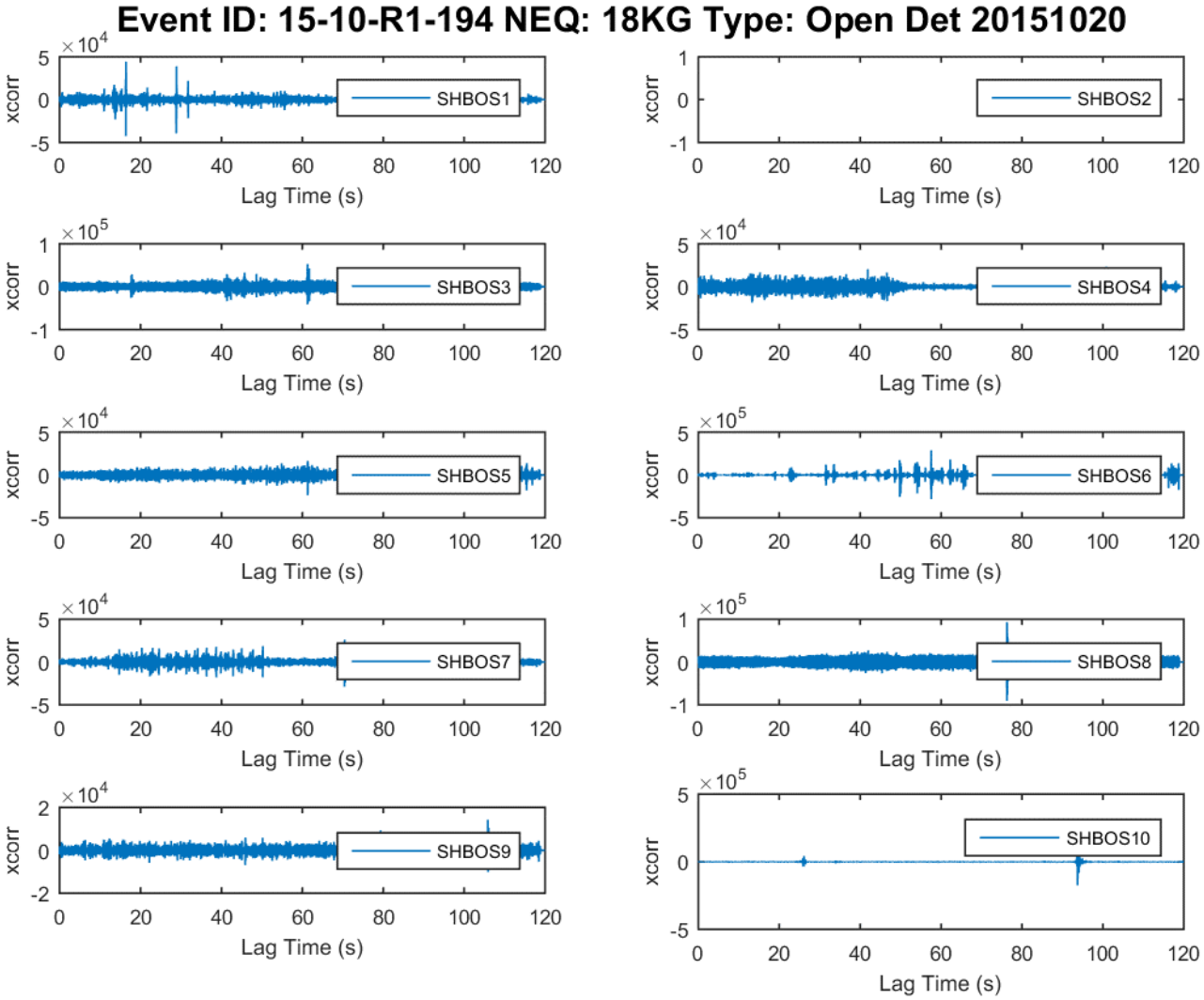


FIGURE 2.1487: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-194

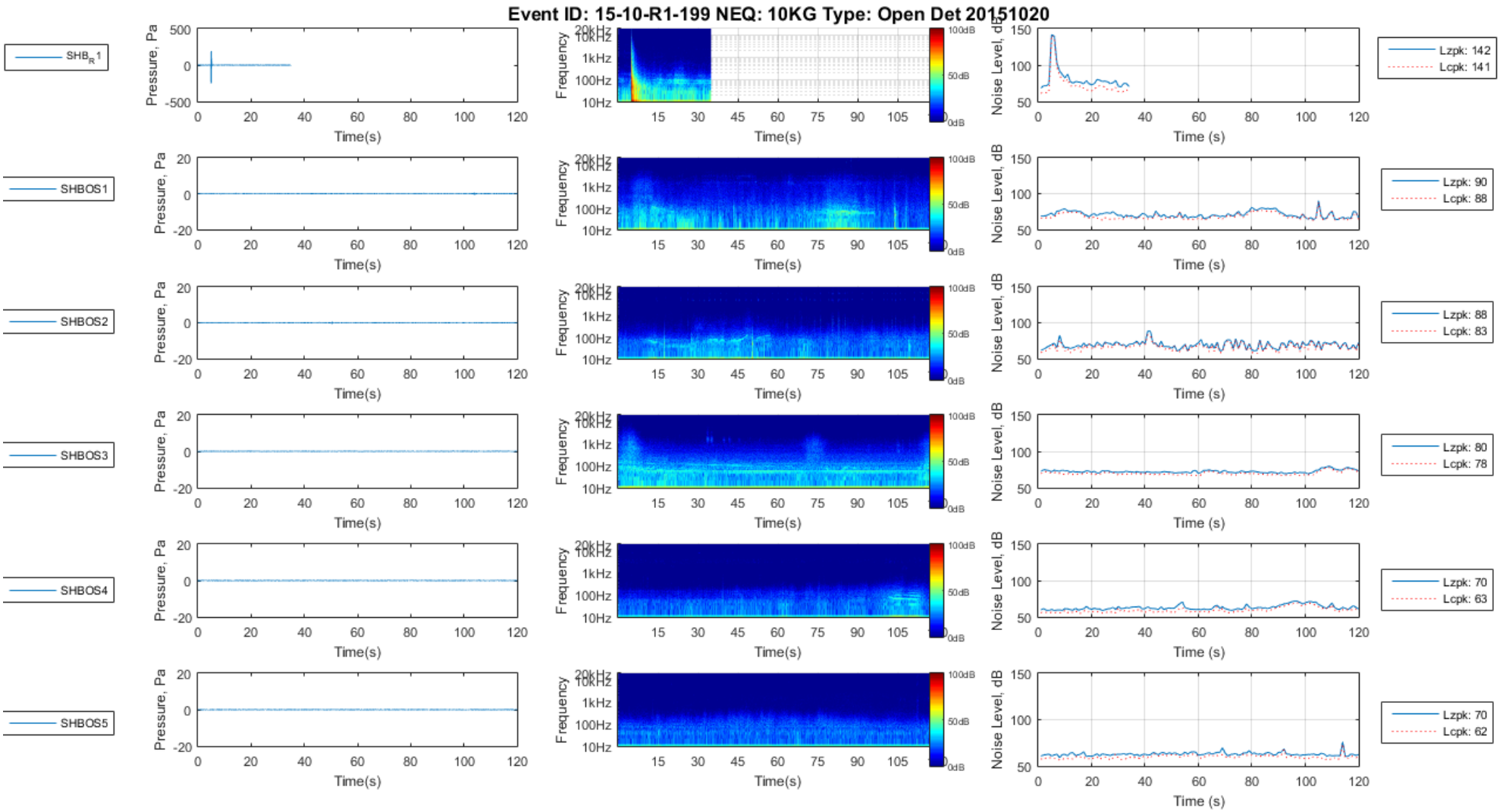


FIGURE 2.1488: SHB_OS 1 - 5 15-10-R1-199

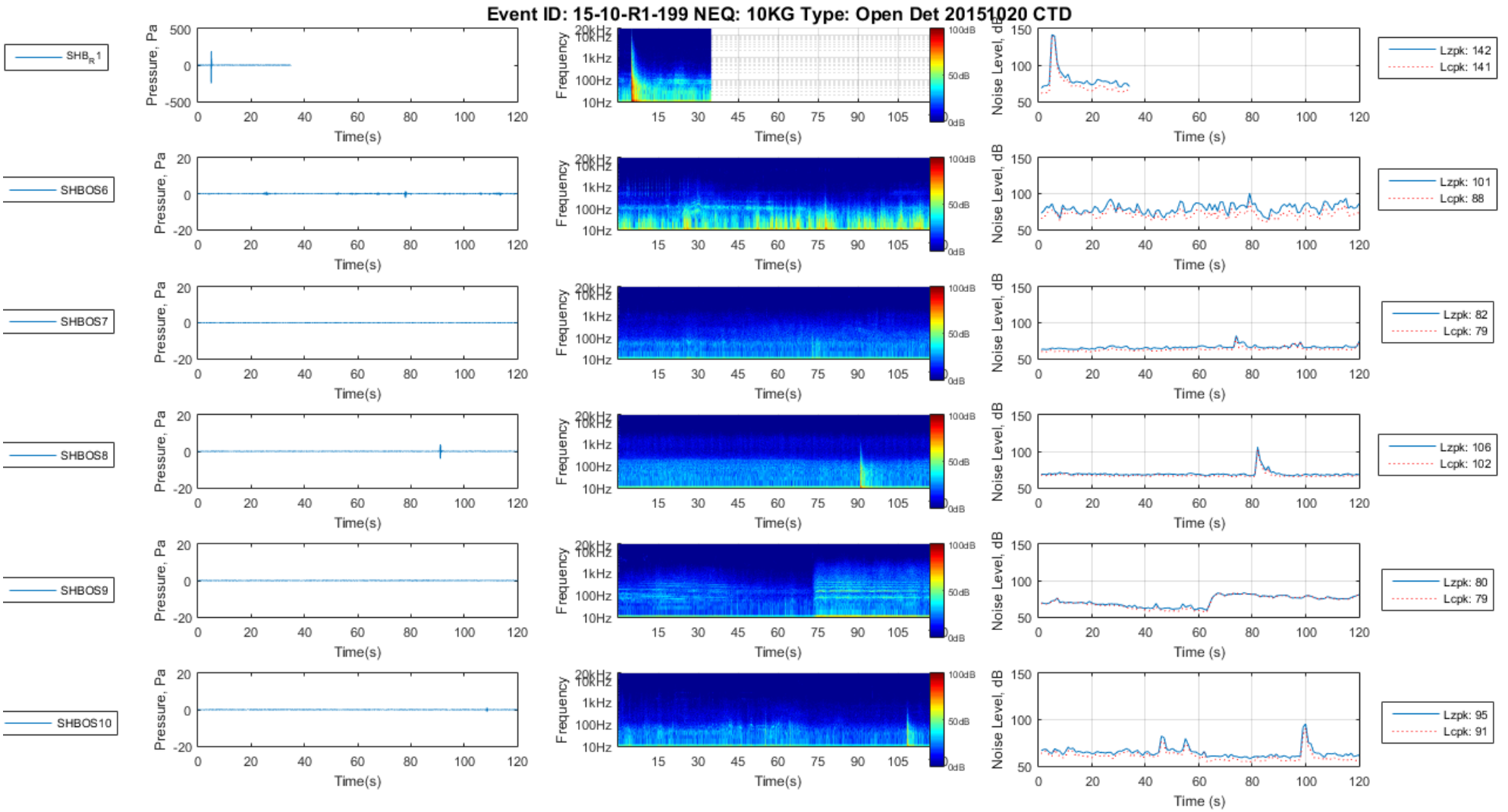


FIGURE 2.1489: SHB_OS 6 - 10 15-10-R1-199

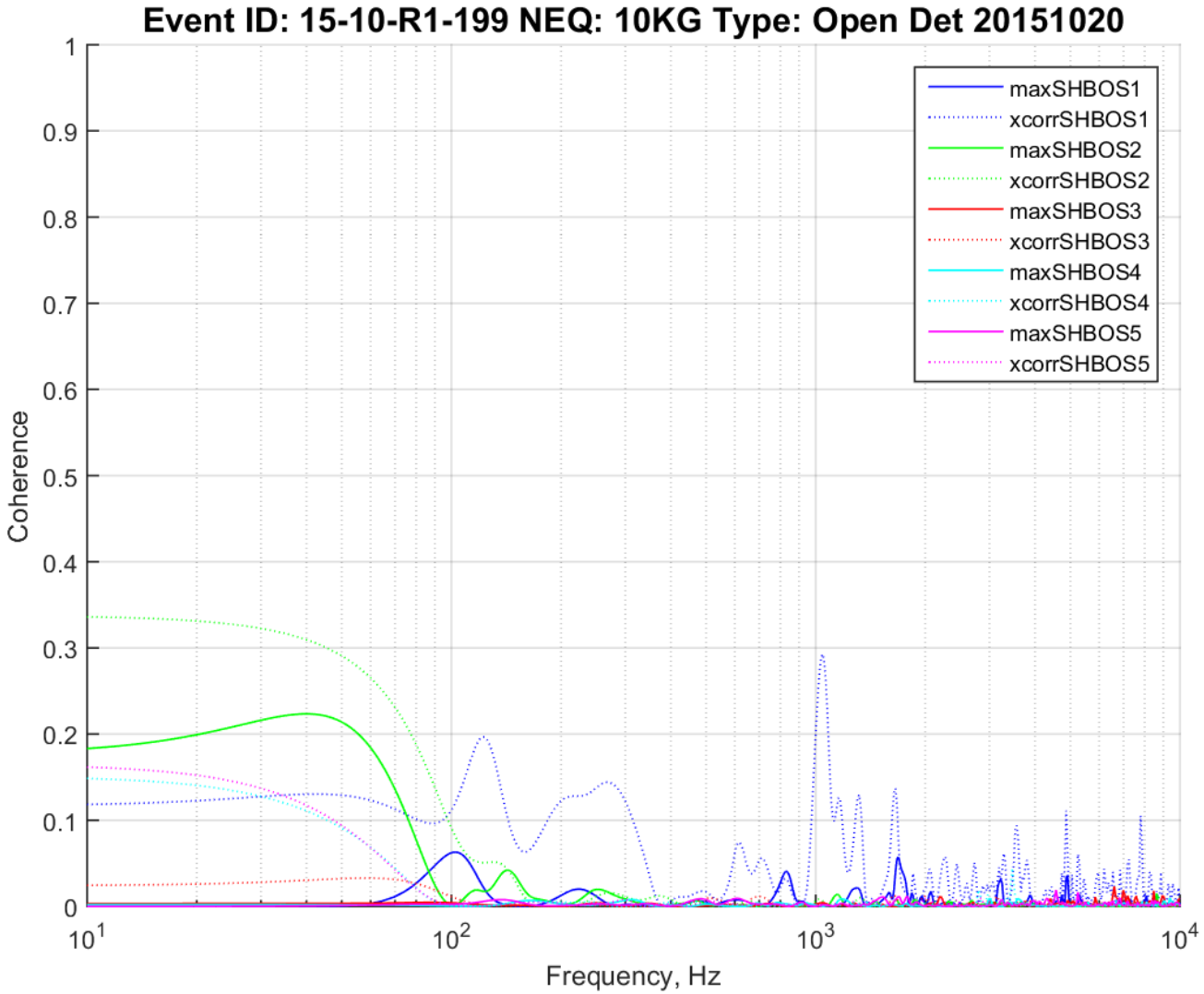


FIGURE 2.1490: COHERENCE SHB_OS 1 - 5 15-10-R1-199

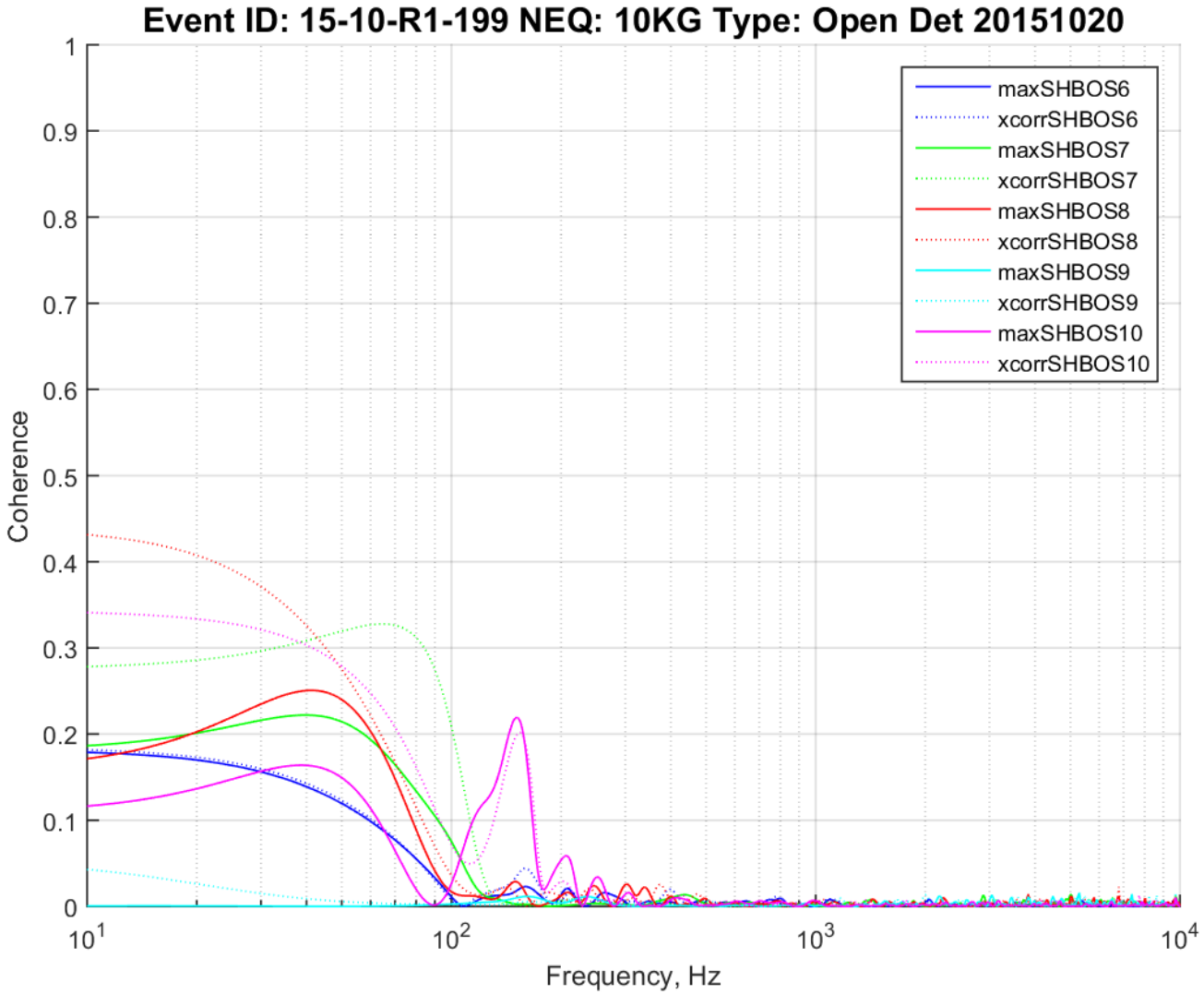


FIGURE 2.1491: COHERENCE SHB_OS 6 - 10 15-10-R1-199CTD

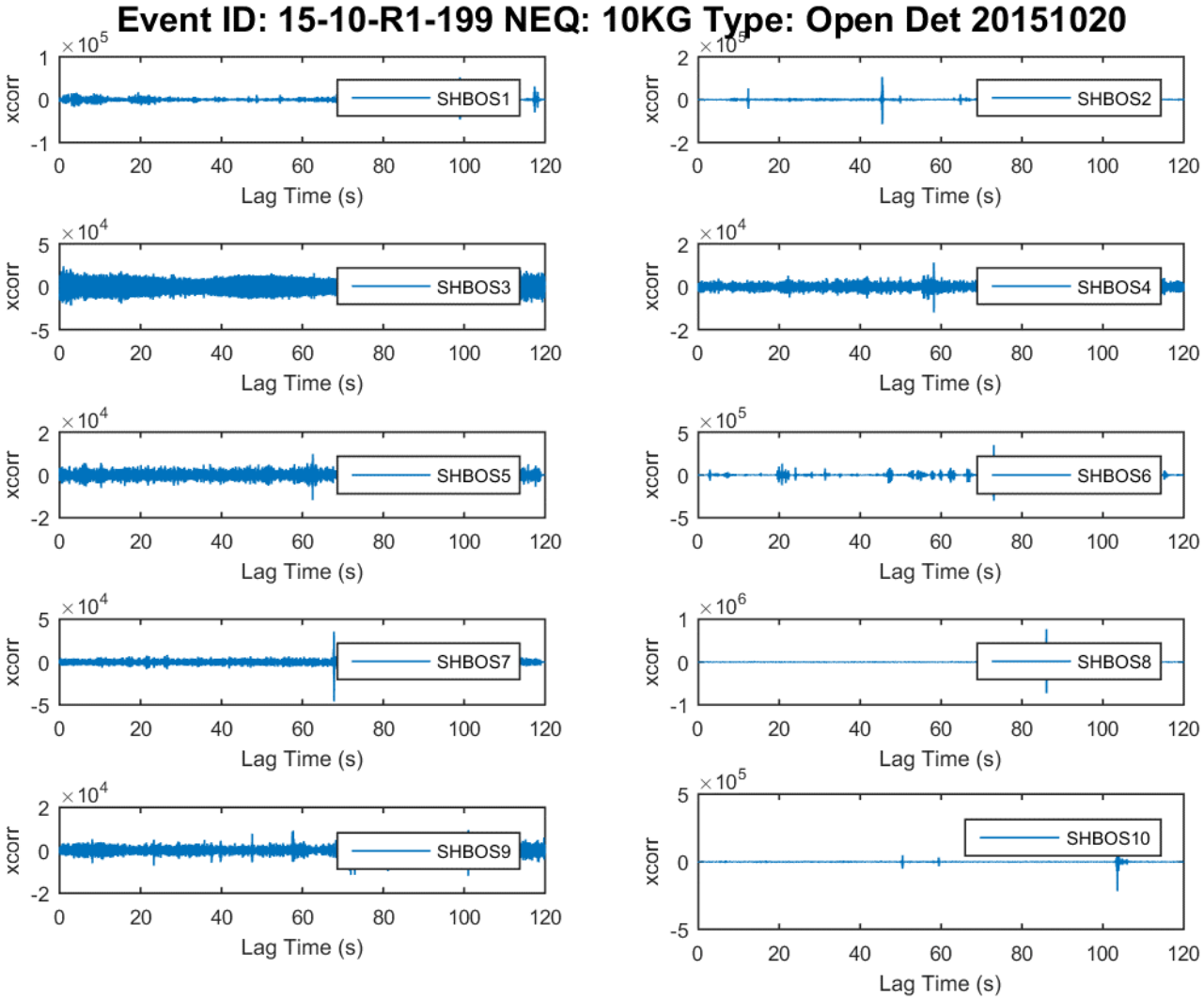


FIGURE 2.1492: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-199

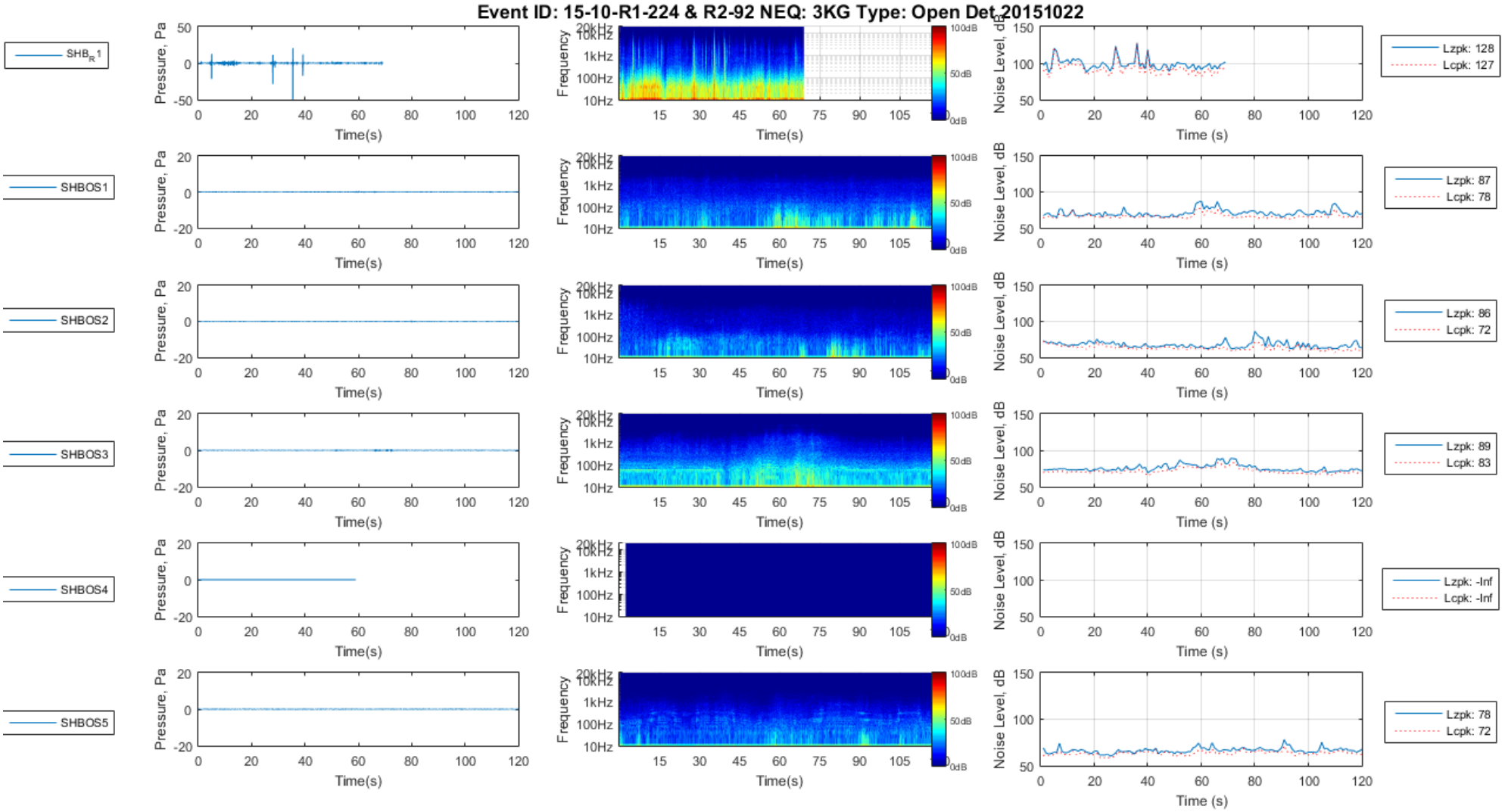


FIGURE 2.1493: SHB_OS 1 - 5 15-10-R1-224 & R2-92

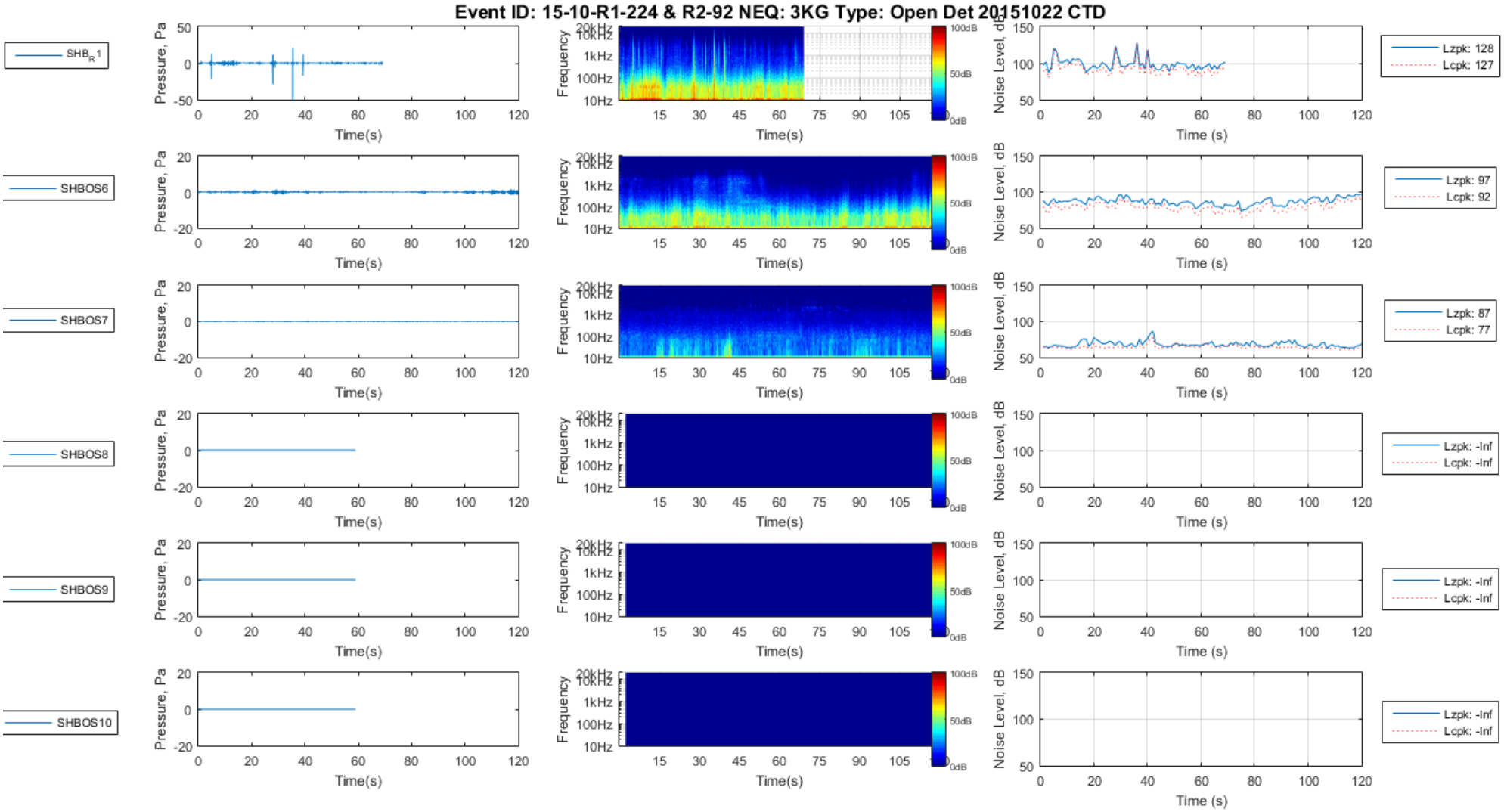


FIGURE 2.1494: SHB_OS 6 - 10 15-10-R1-224 & R2-92

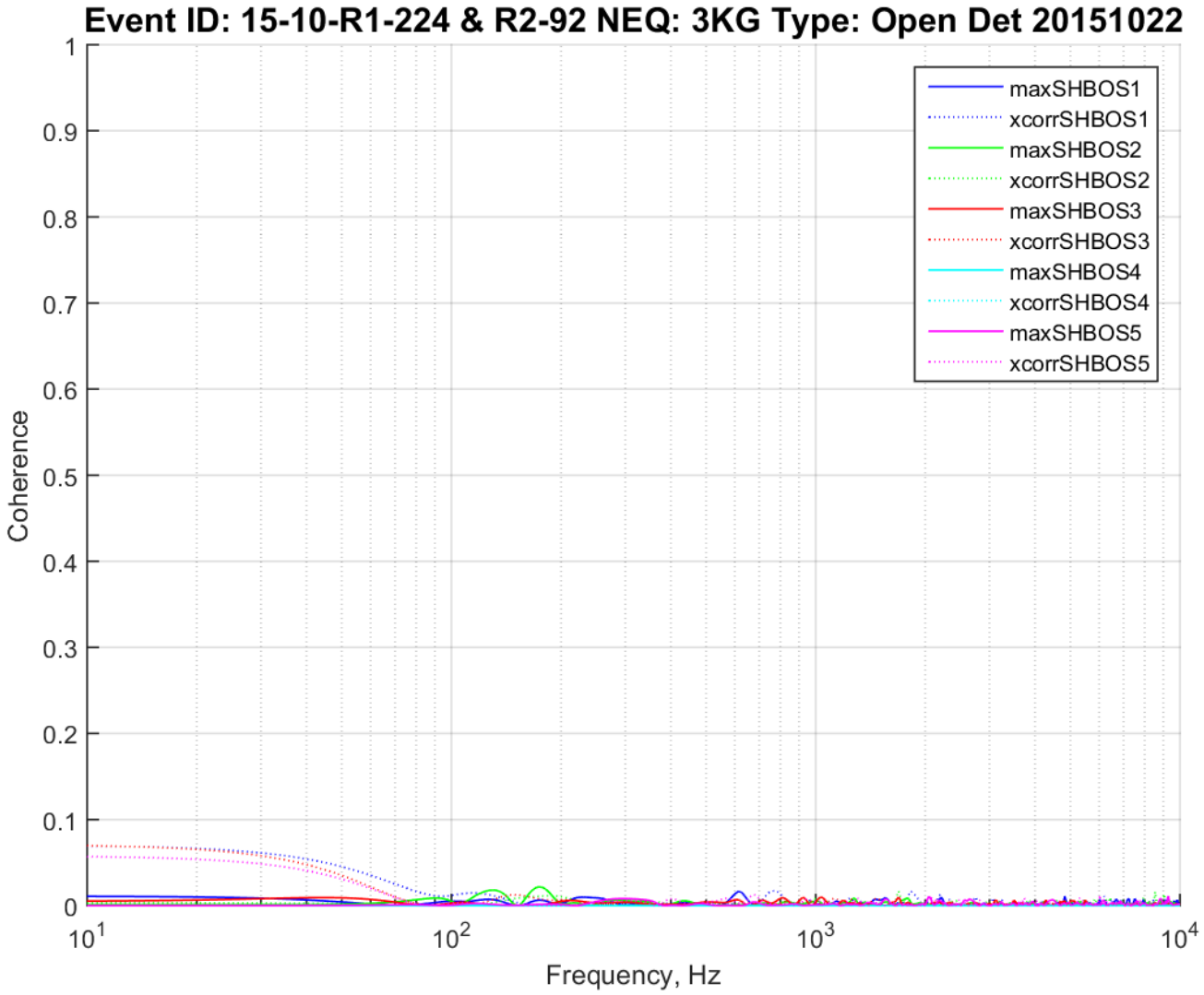


FIGURE 2.1495: COHERENCE SHB_OS 1 - 5 15-10-R1-224 & R2-92

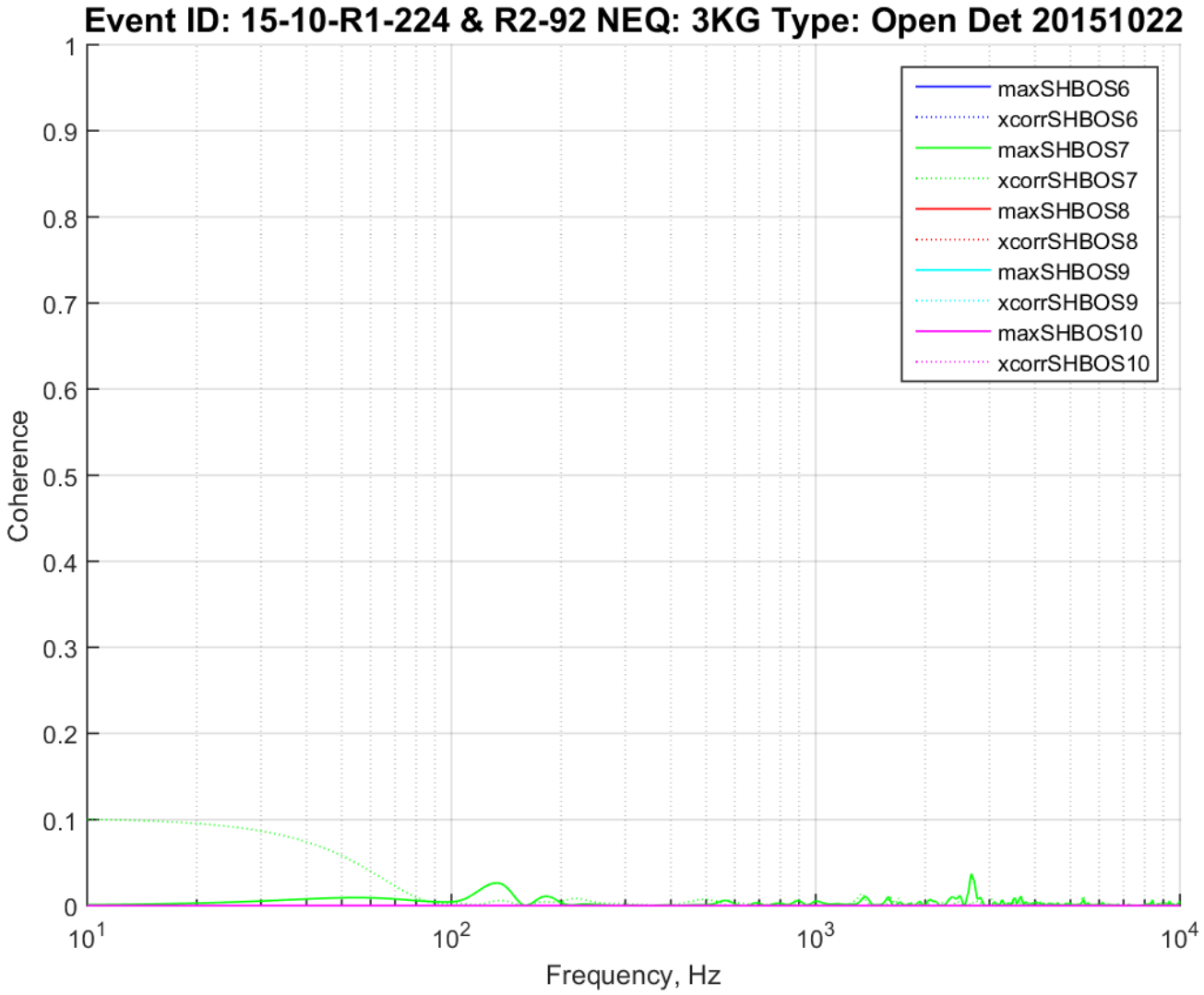


FIGURE 2.1496: COHERENCE SHB_OS 6 - 10 15-10-R1-224 & R2-92CTD

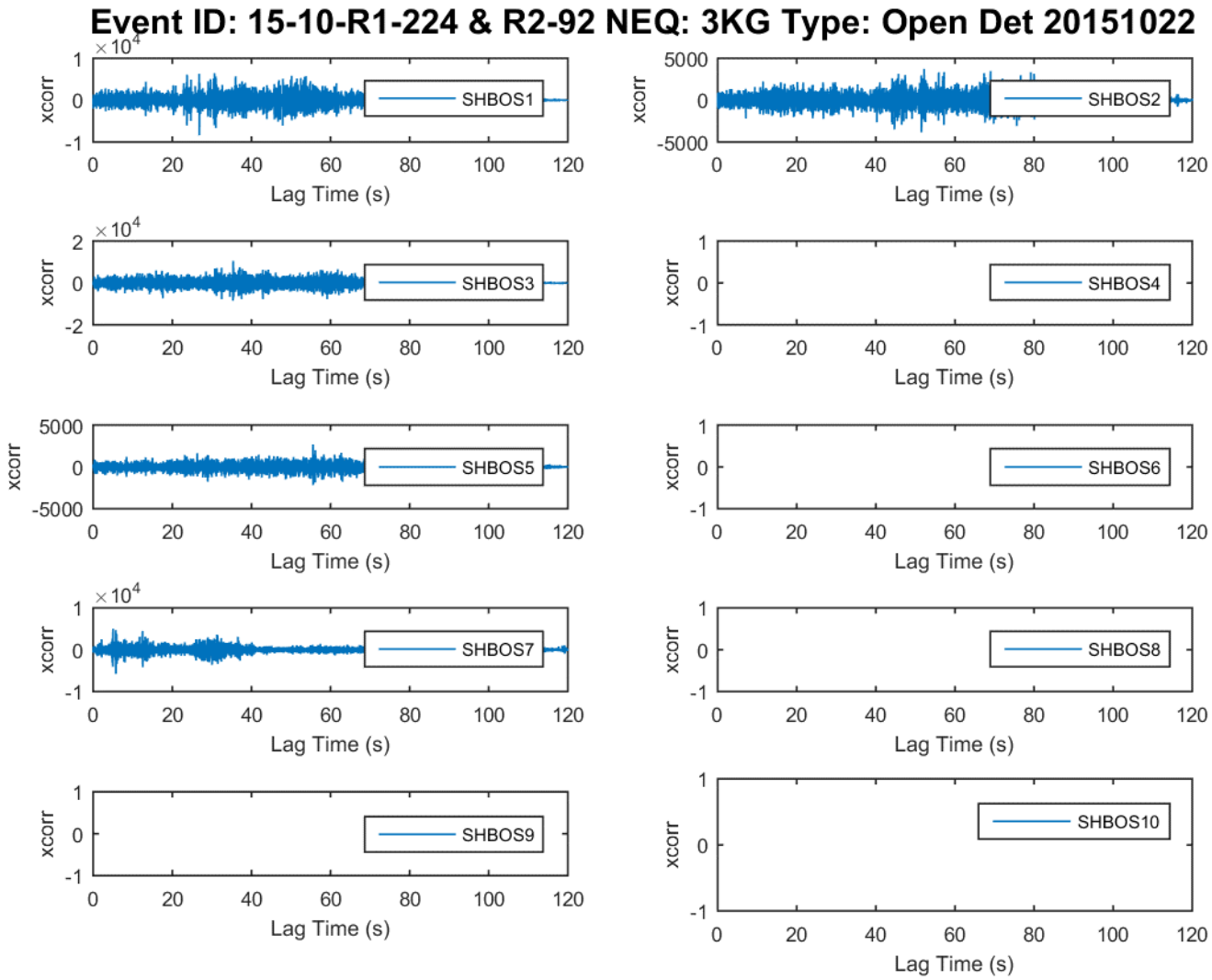


FIGURE 2.1497: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-224 & R2-92

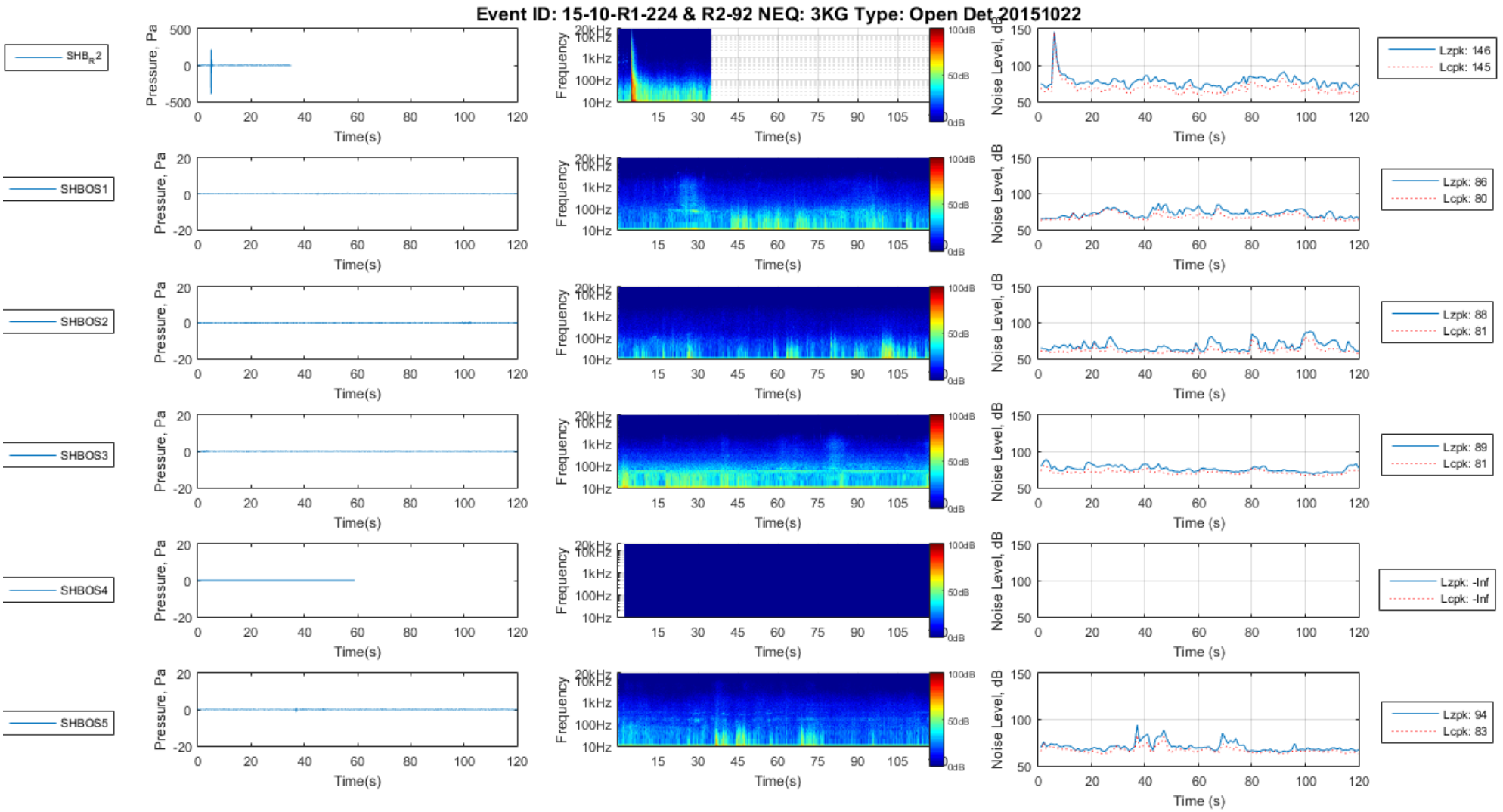


FIGURE 2.1498: SHB_OS 1 - 5 15-10-R1-224 & R2-92

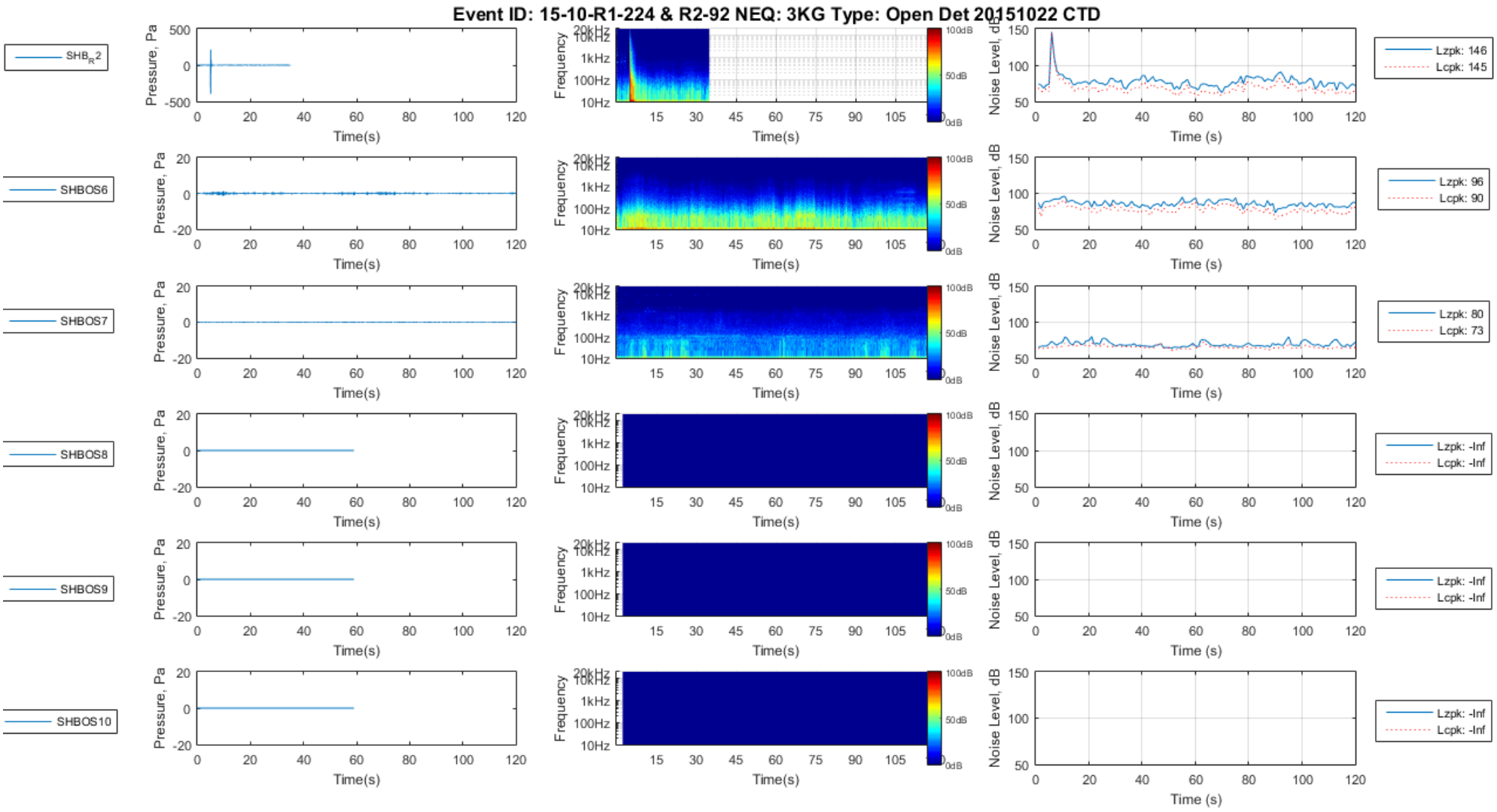


FIGURE 2.1499: SHB_OS 6 - 10 15-10-R1-224 & R2-92

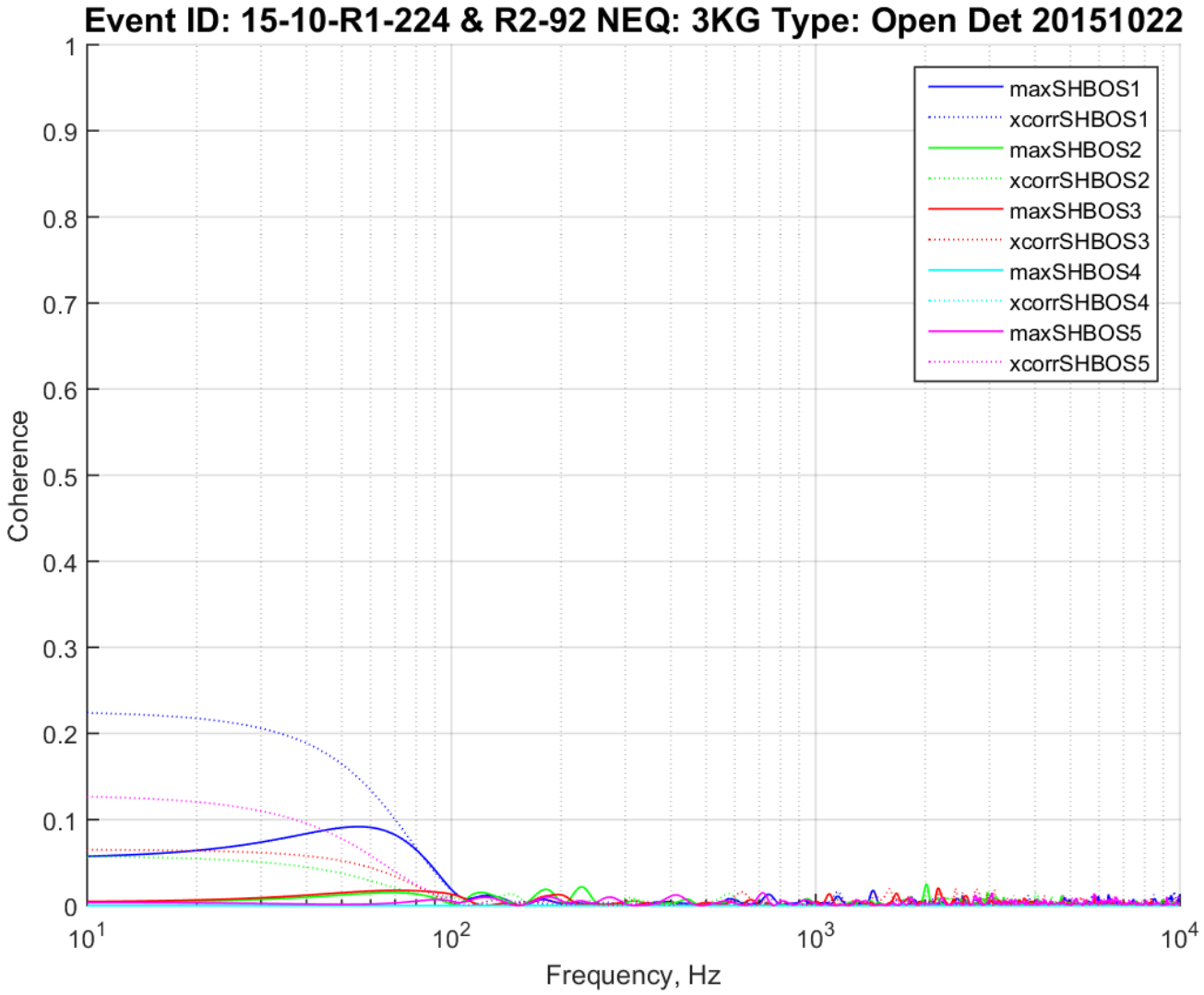


FIGURE 2.1500: COHERENCE SHB_OS 1 - 5 15-10-R1-224 & R2-92

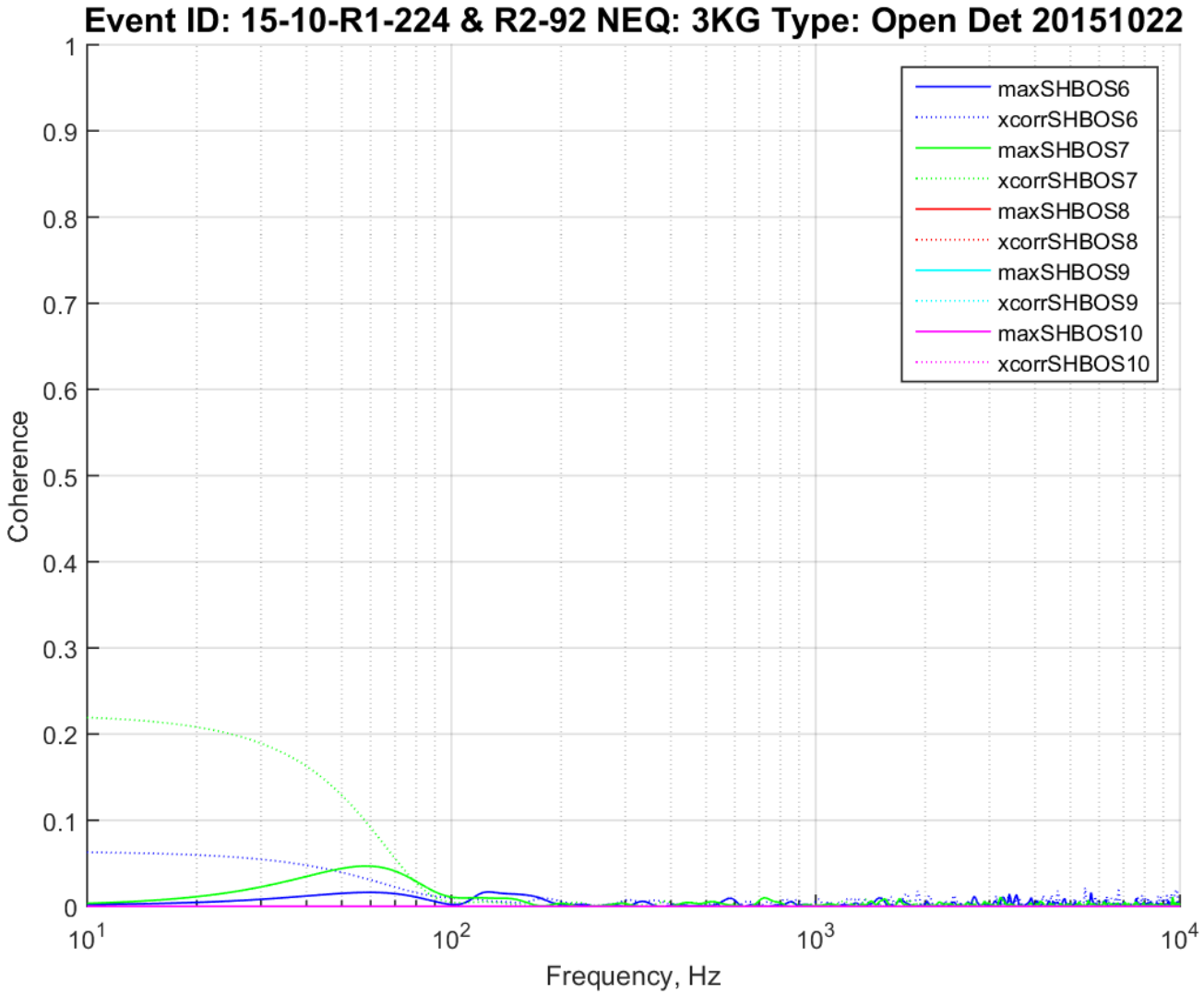


FIGURE 2.1501: COHERENCE SHB_OS 6 - 10 15-10-R1-224 & R2-92CTD

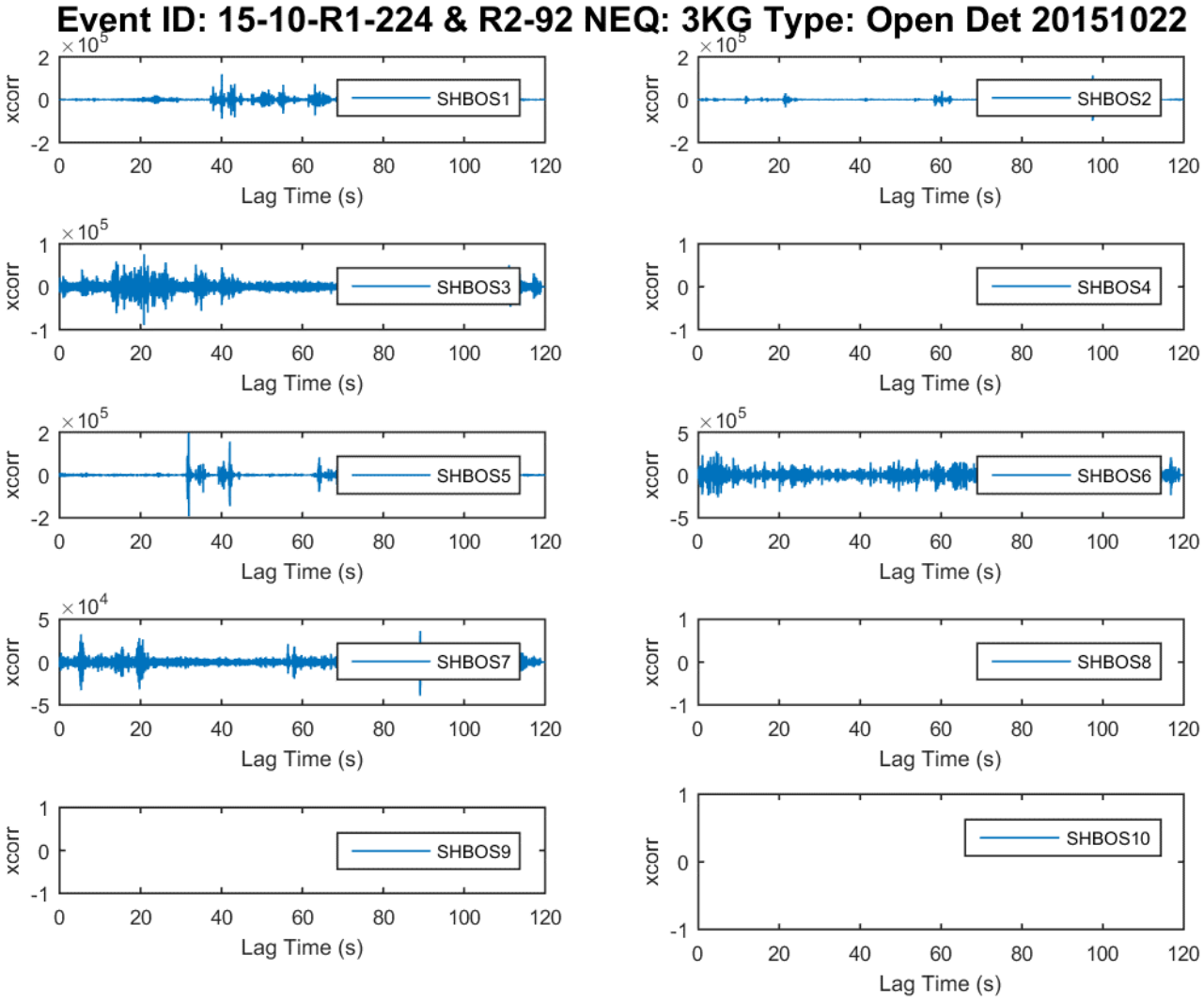


FIGURE 2.1502: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-224 & R2-92

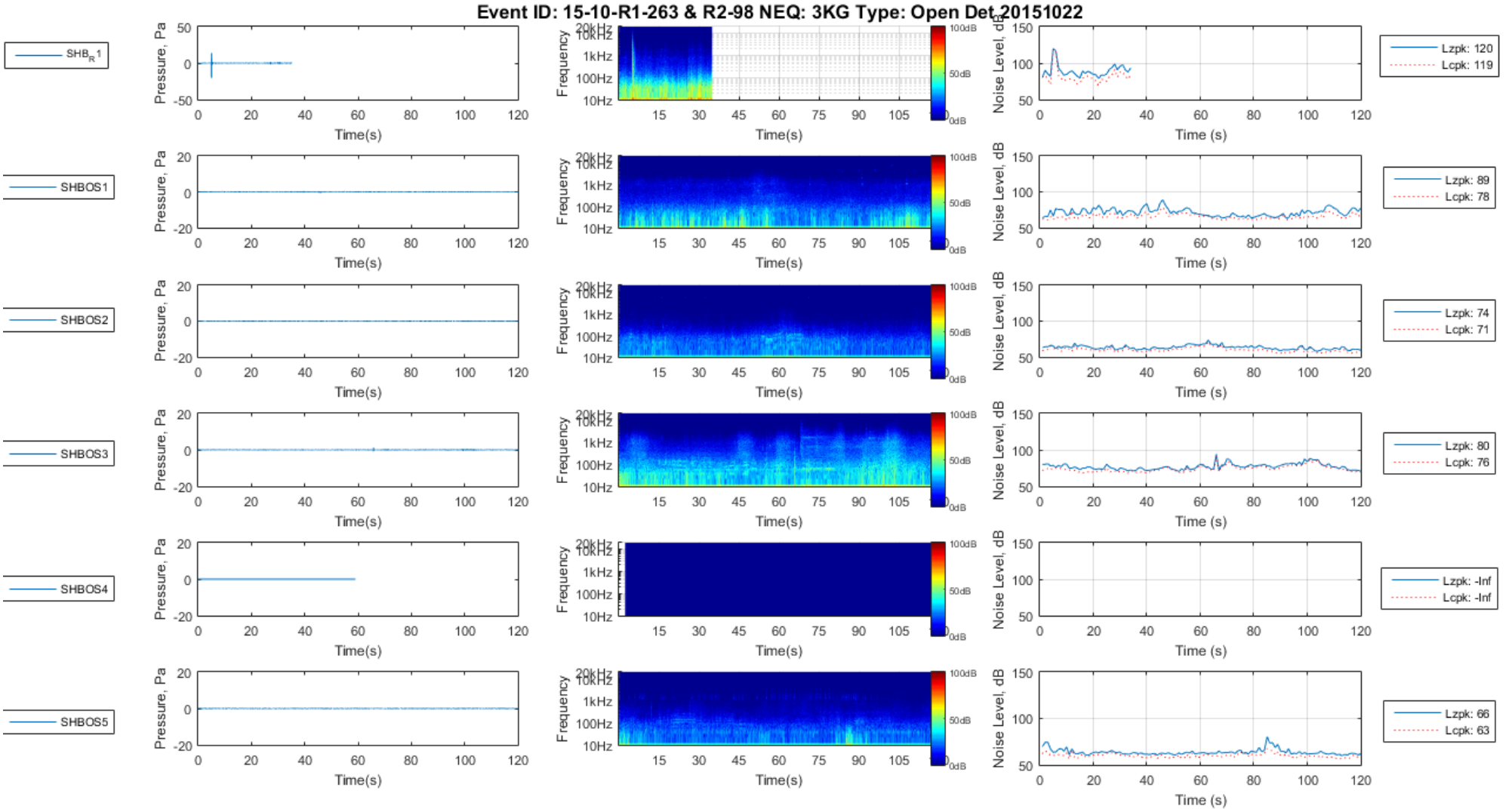


FIGURE 2.1503: SHB_OS 1 - 5 15-10-R1-263 & R2-98

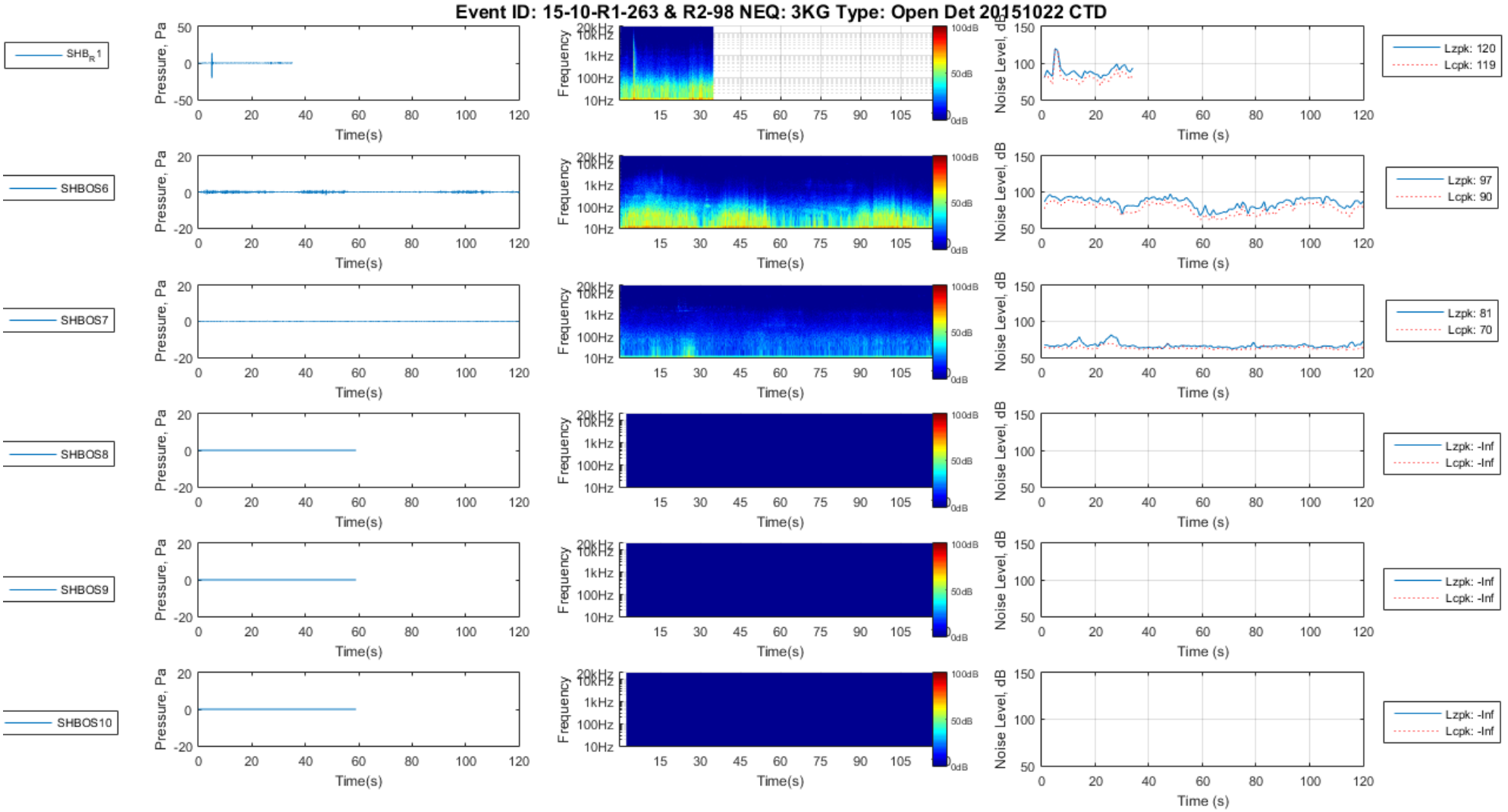


FIGURE 2.1504: SHB_OS 6 - 10 15-10-R1-263 & R2-98

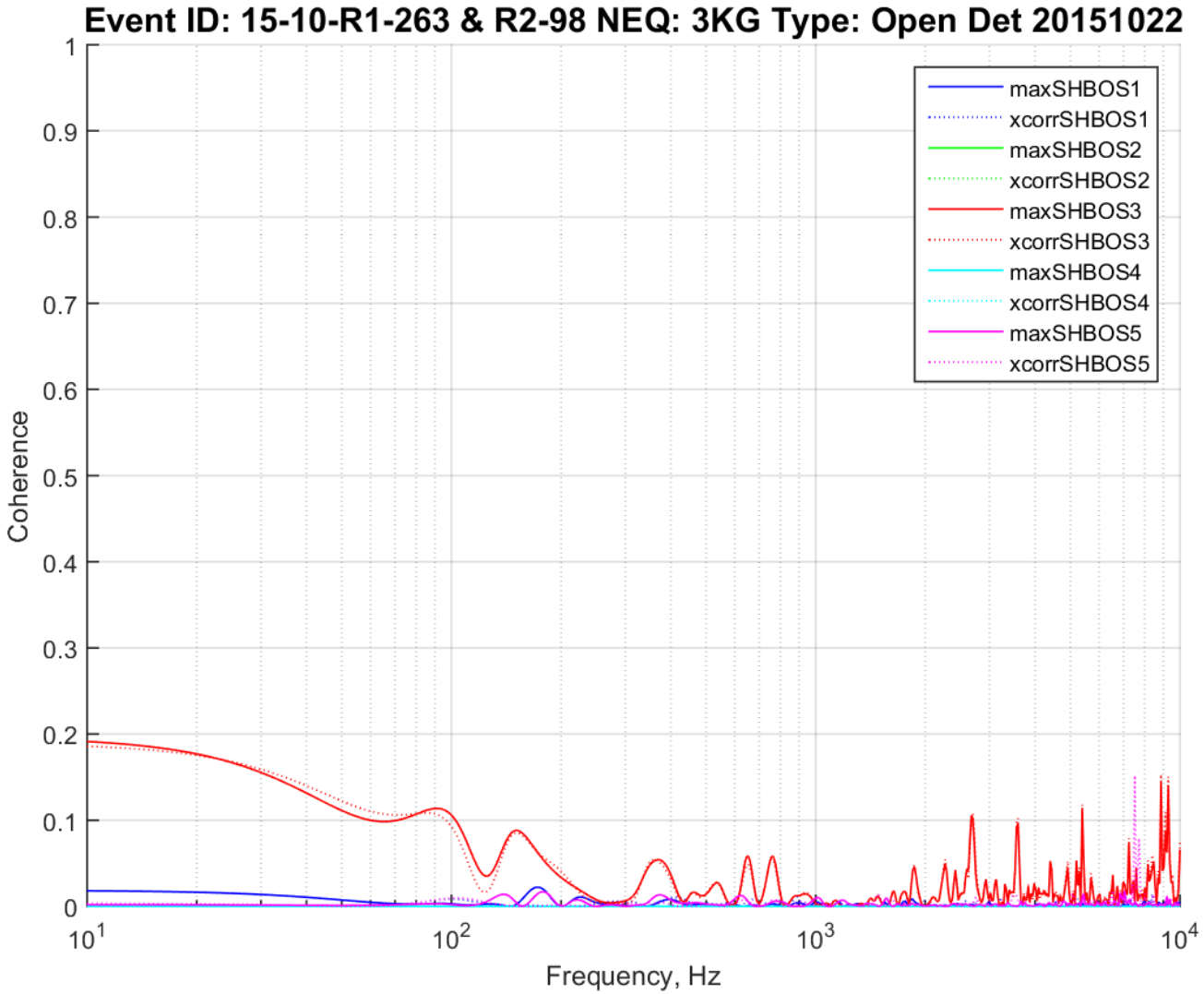


FIGURE 2.1505: COHERENCE SHB_OS 1 - 5 15-10-R1-263 & R2-98

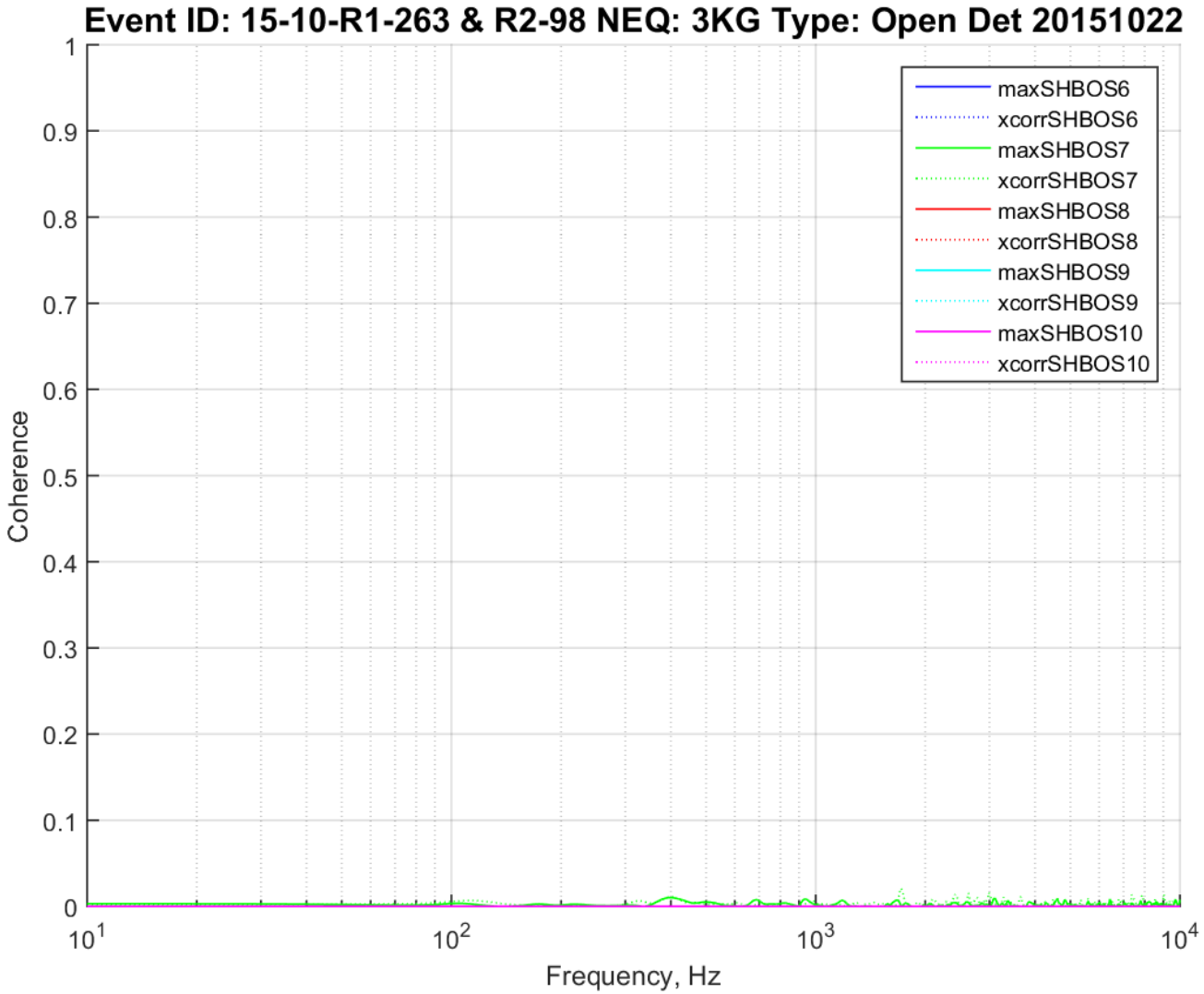


FIGURE 2.1506: COHERENCE SHB_OS 6 - 10 15-10-R1-263 & R2-98CTD

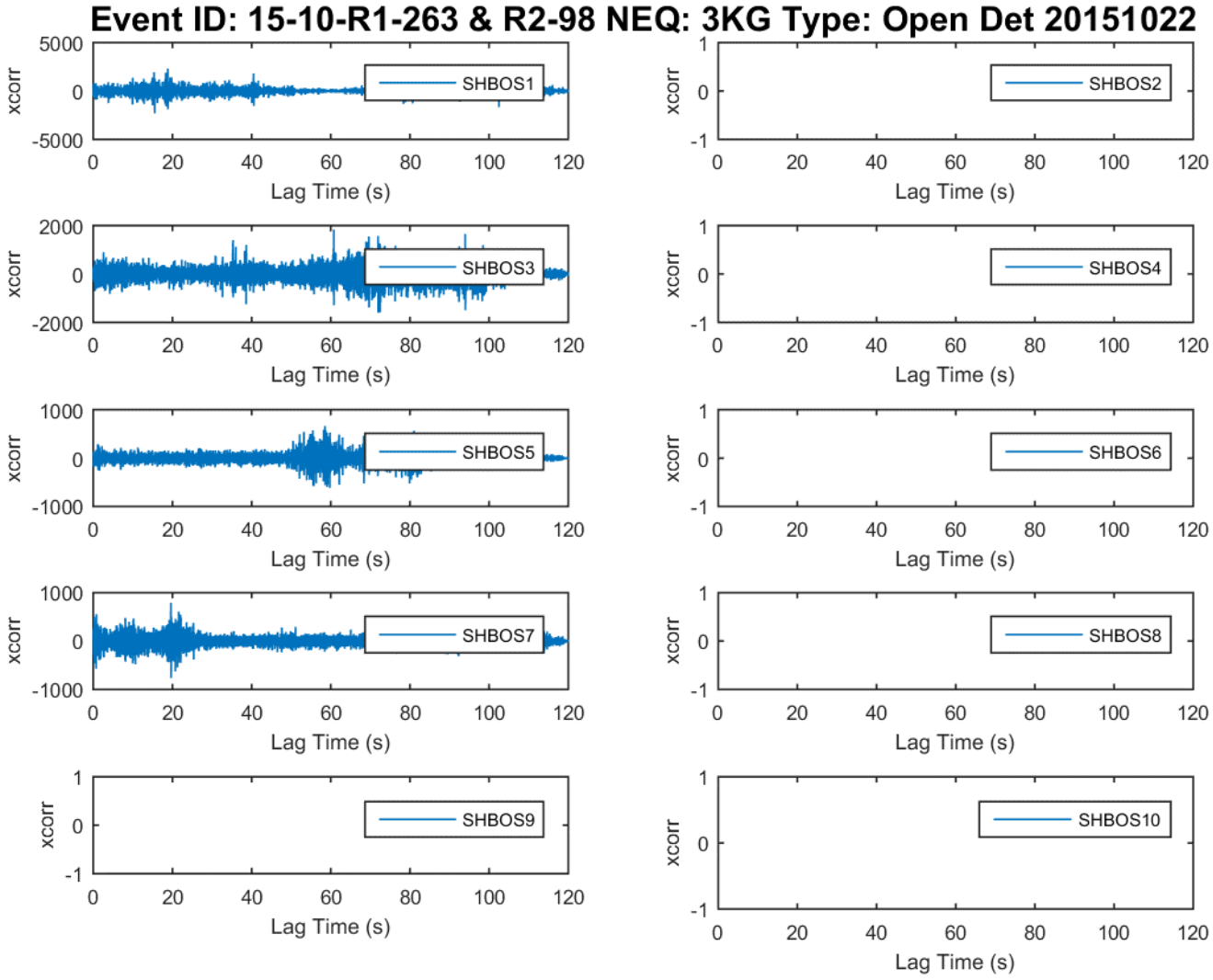


FIGURE 2.1507: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-263 & R2-98

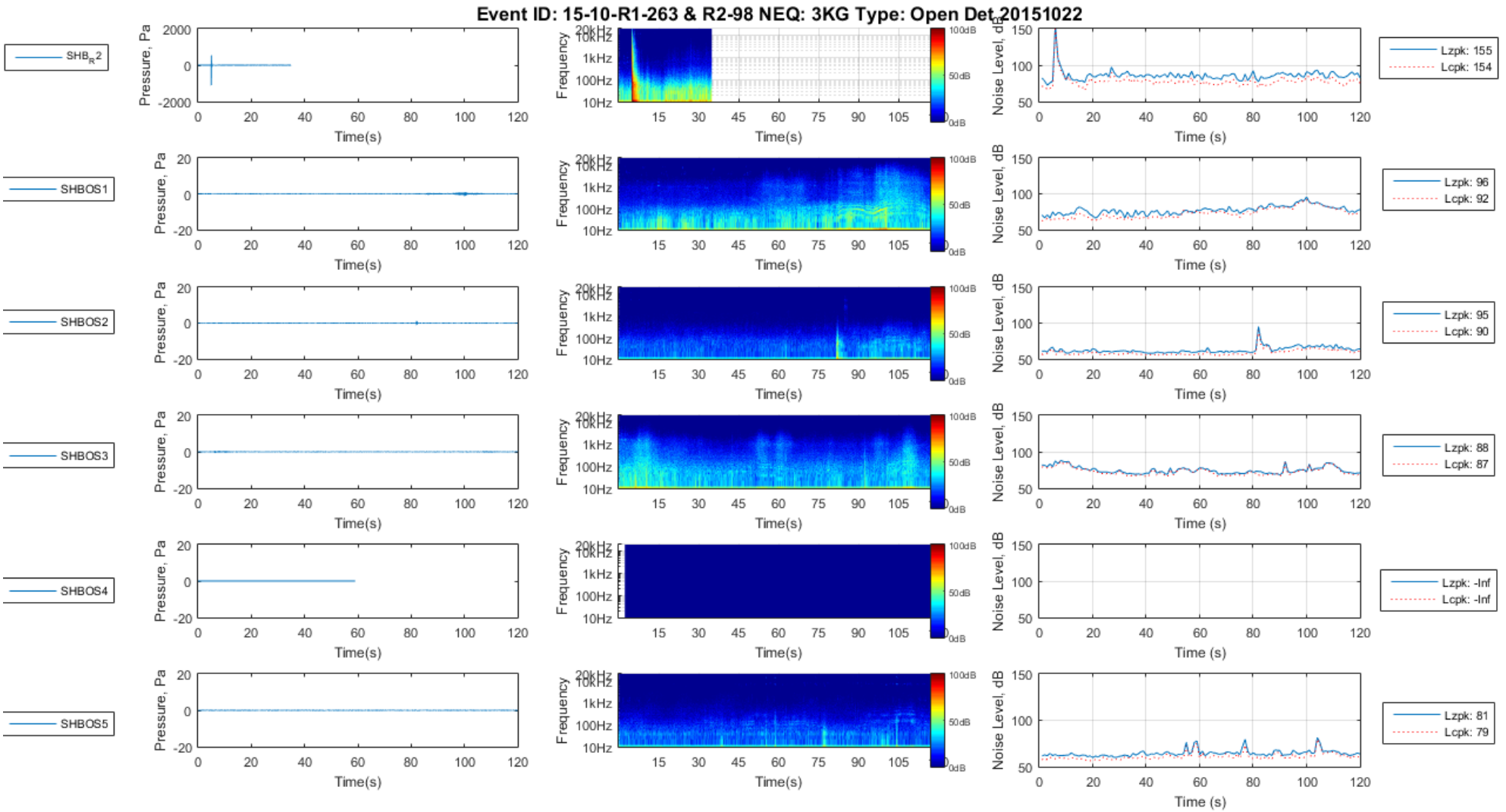


FIGURE 2.1508: SHB_OS 1 - 5 15-10-R1-263 & R2-98

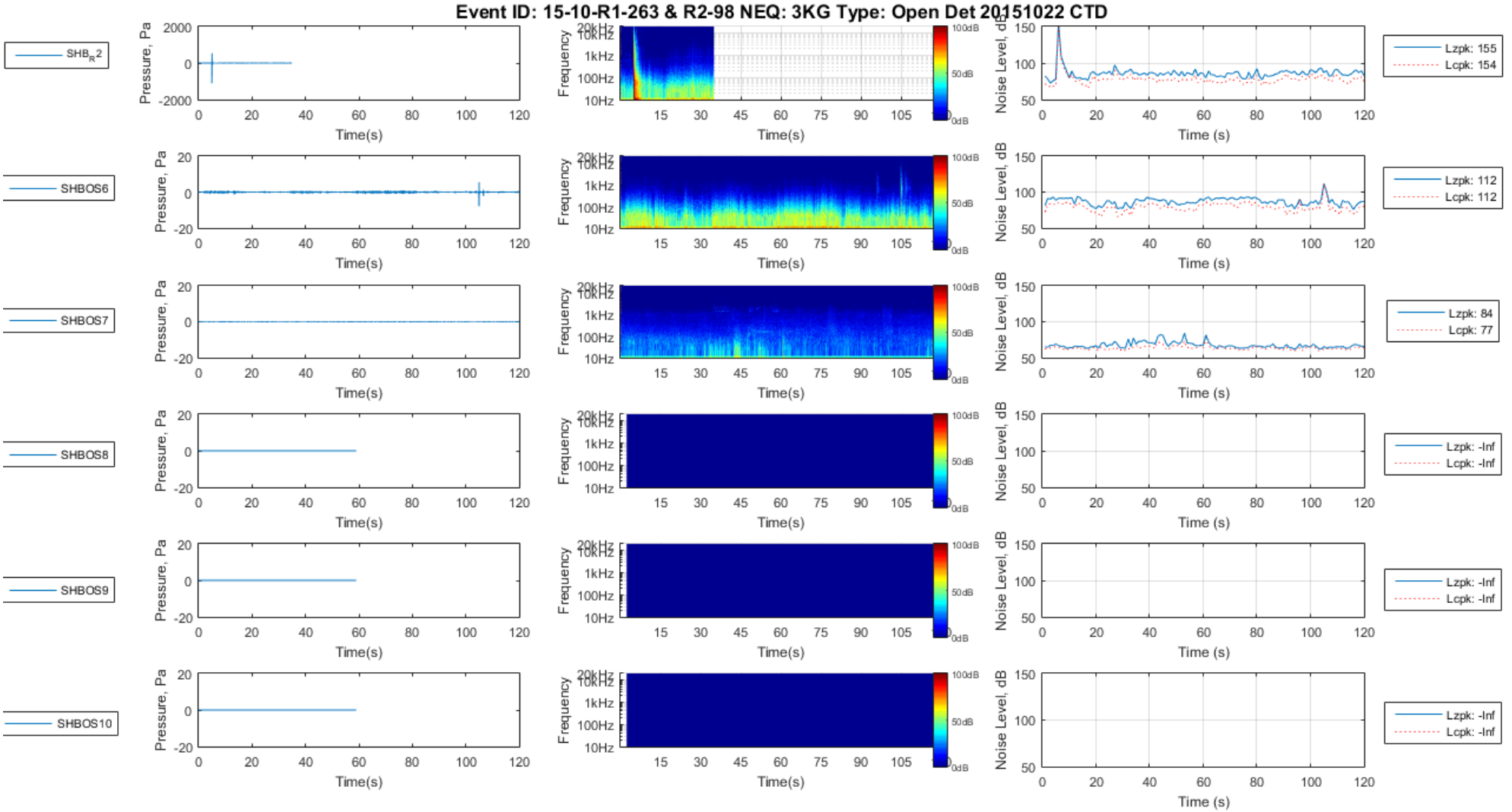


FIGURE 2.1509: SHB_OS 6 - 10 15-10-R1-263 & R2-98

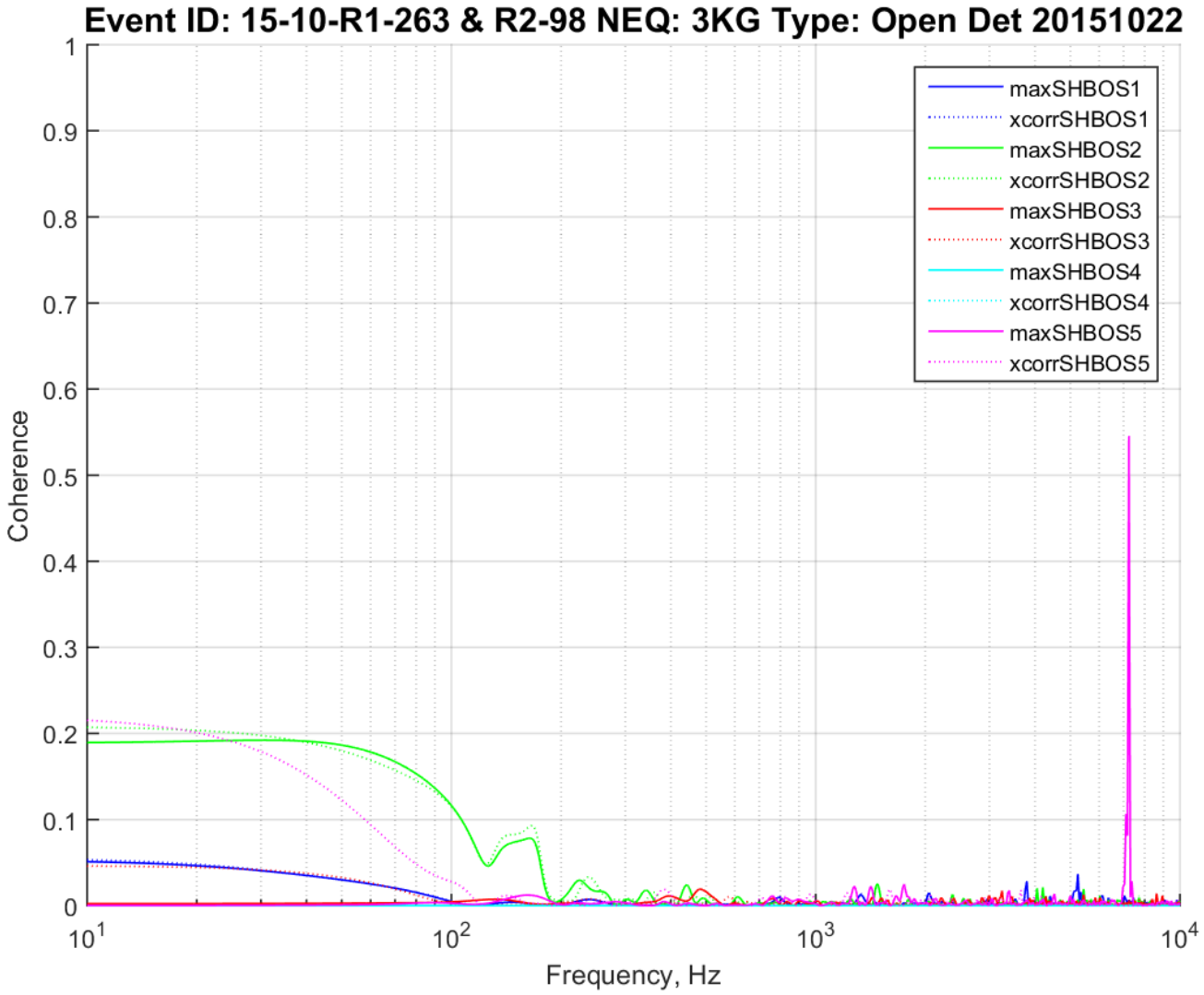


FIGURE 2.1510: COHERENCE SHB_OS 1 - 5 15-10-R1-263 & R2-98

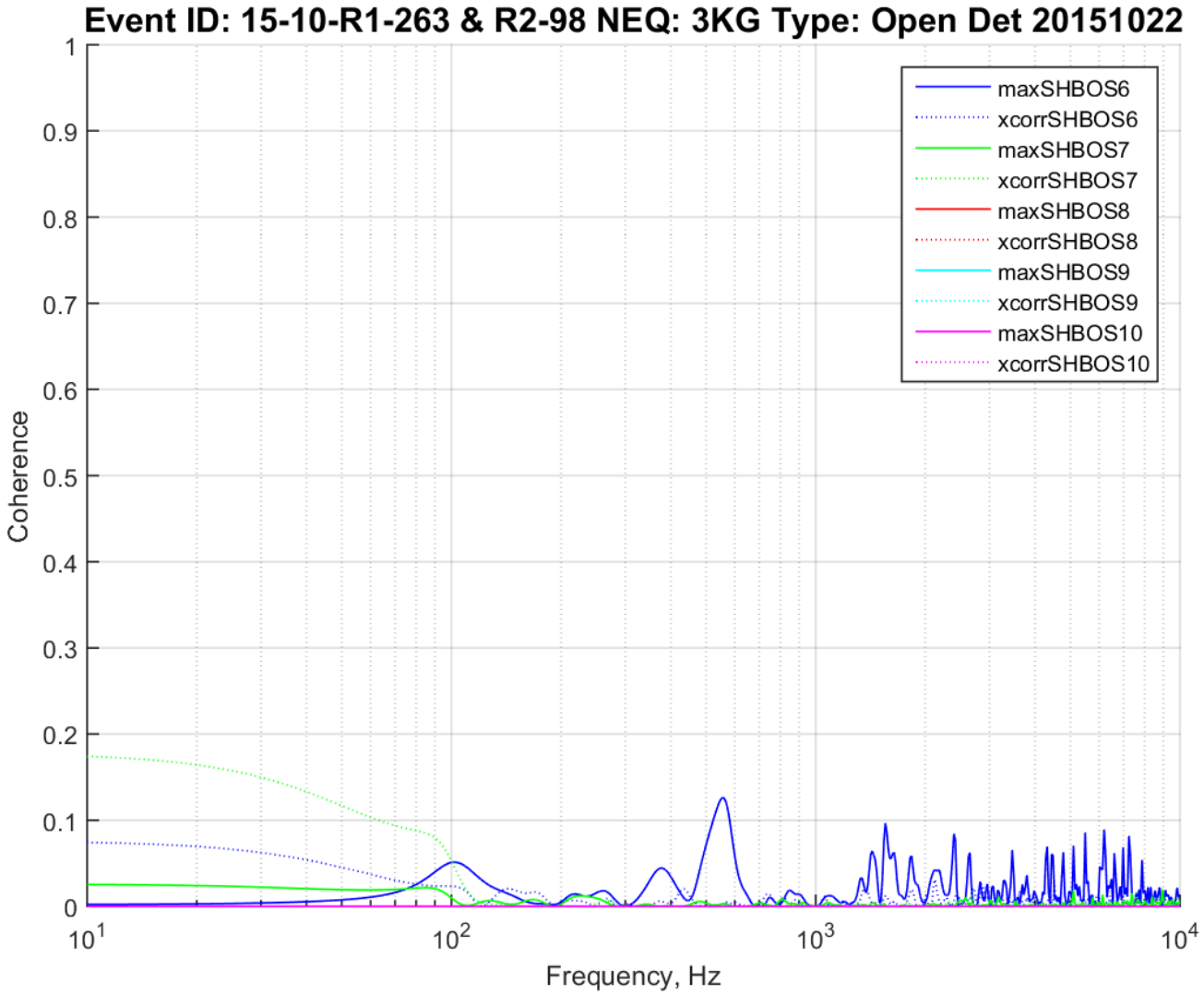


FIGURE 2.1511: COHERENCE SHB_OS 6 - 10 15-10-R1-263 & R2-98CTD

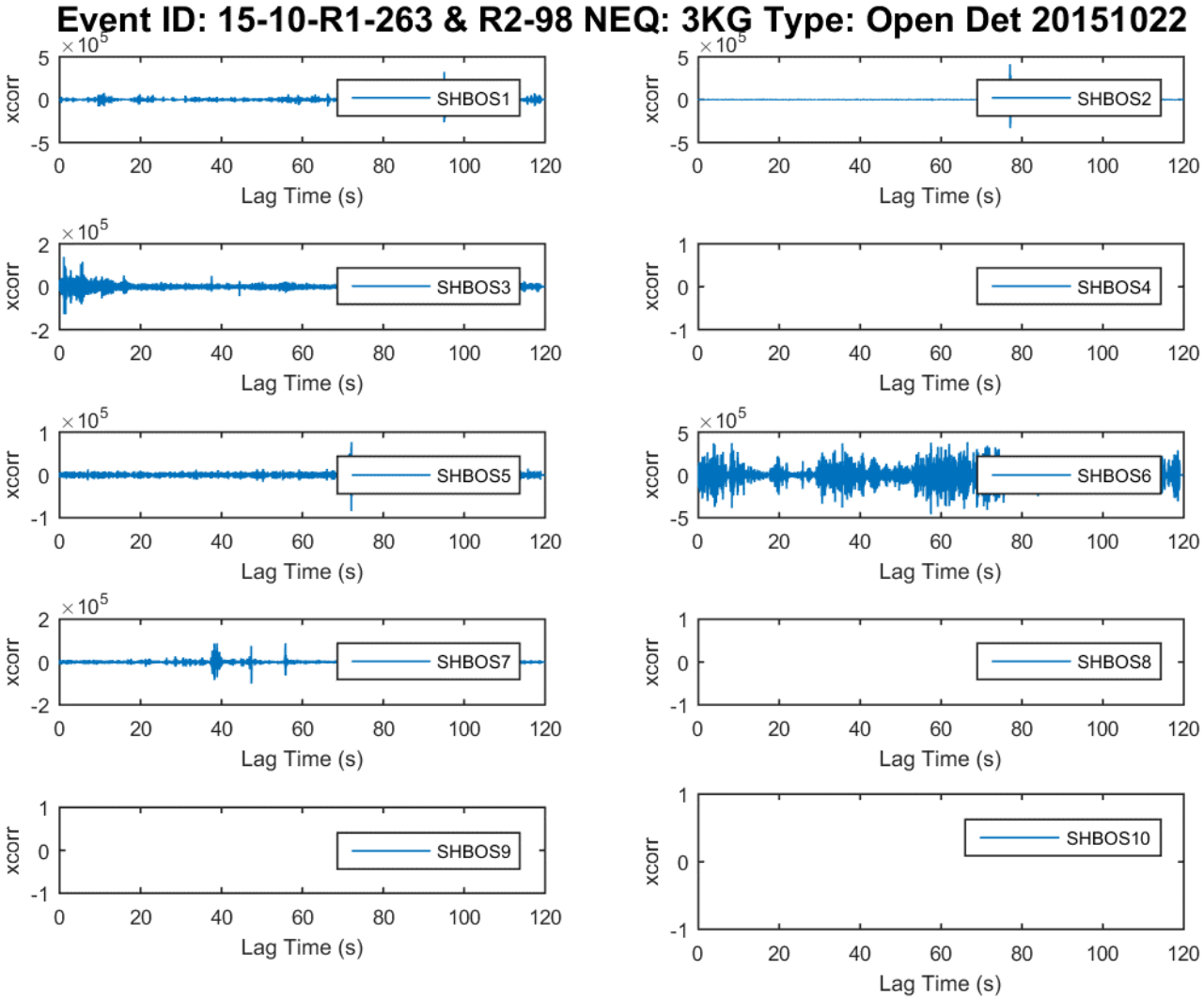
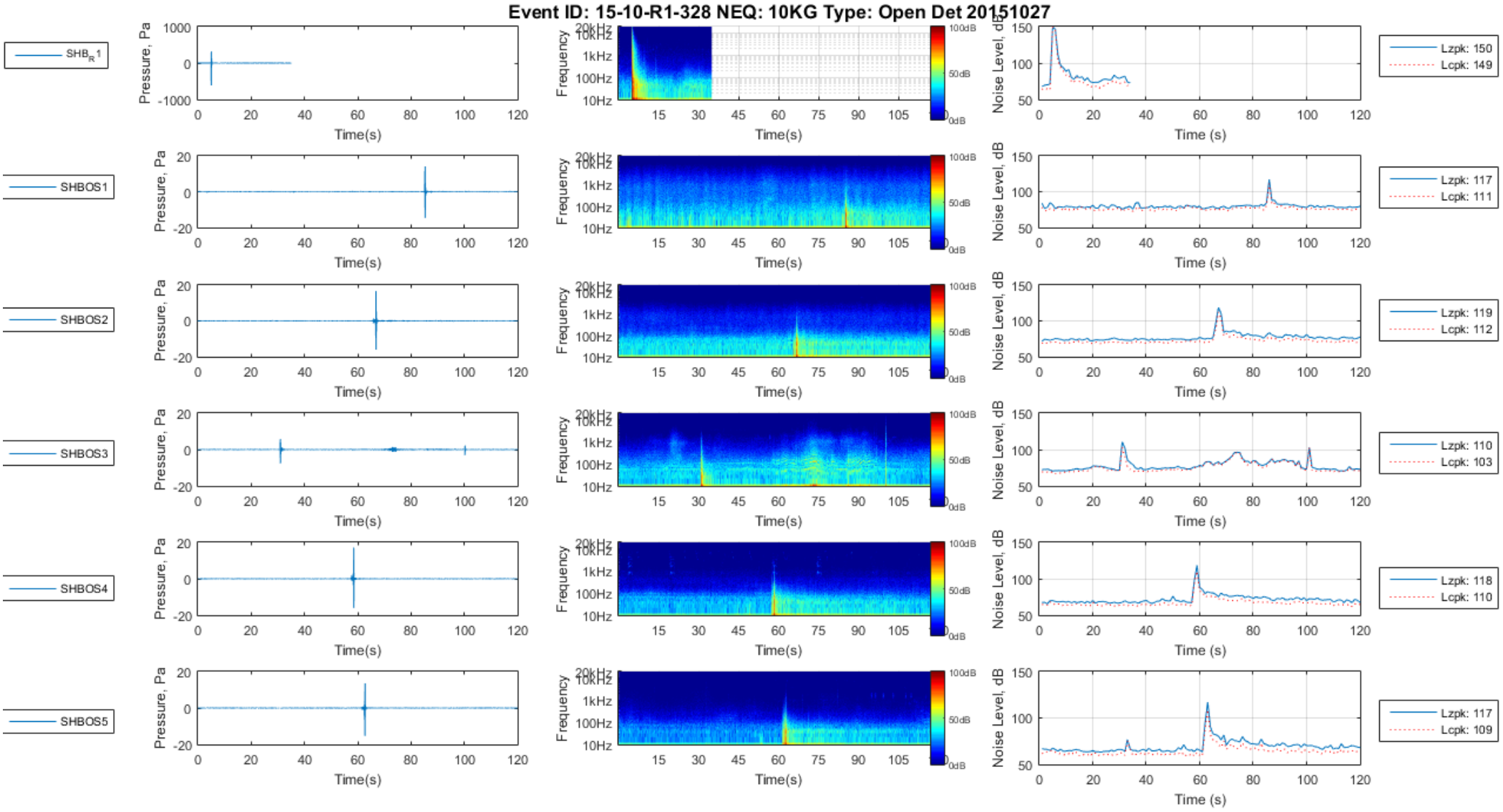
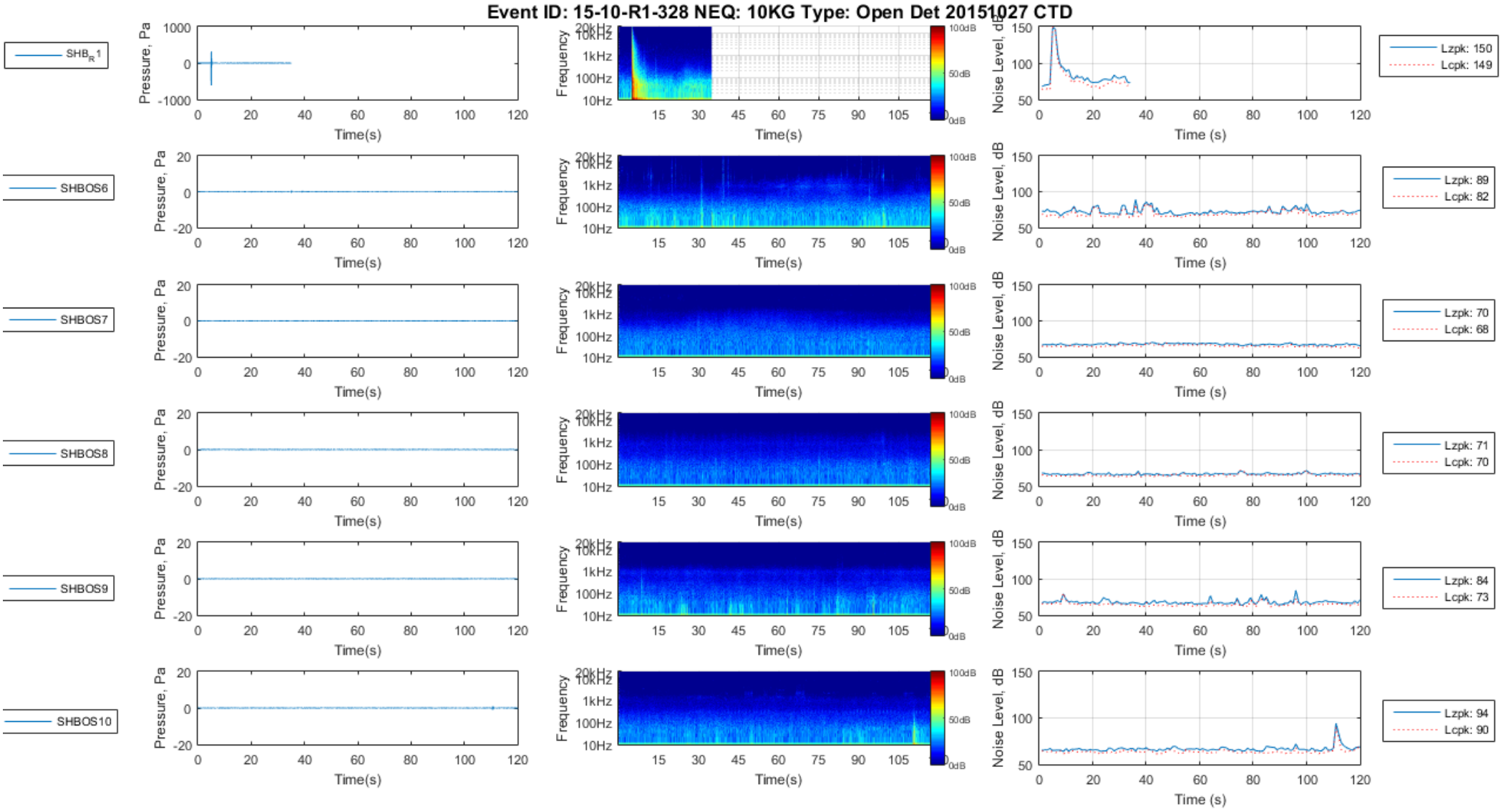


FIGURE 2.1512: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-263 & R2-98


Event ID: 15-10-R1-328 NEQ: 10KG Type: Open Det 20151027
SHB_R 1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Frequency
Noise Level, dB
Time(s)
Time (s)
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Lzpk: 150
Lcpk: 149
Lzpk: 117
Lcpk: 111
Lzpk: 119
Lcpk: 112
Lzpk: 110
Lcpk: 103
Lzpk: 118
Lcpk: 110
Lzpk: 117
Lcpk: 109


Event ID: 15-10-R1-328 NEQ: 10KG Type: Open Det 20151027 CTD
SHB_R^1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Frequency
Noise Level, dB
Time(s)
Time (s)
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Lzpk: 150
Lcpk: 149
Lzpk: 89
Lcpk: 82
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Lzpk: 94
Lcpk: 90

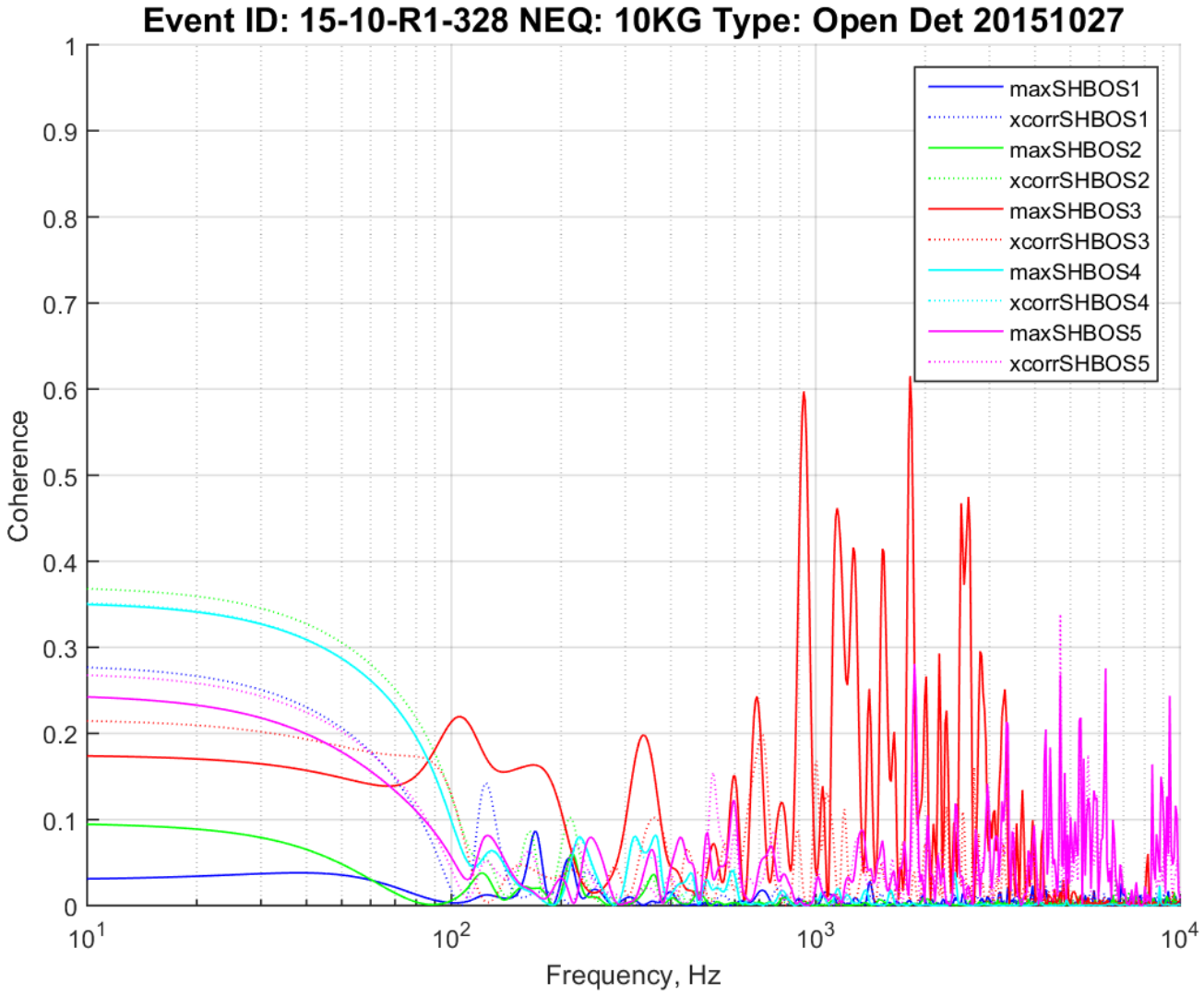


FIGURE 2.1515: COHERENCE SHB_OS 1 - 5 15-10-R1-328

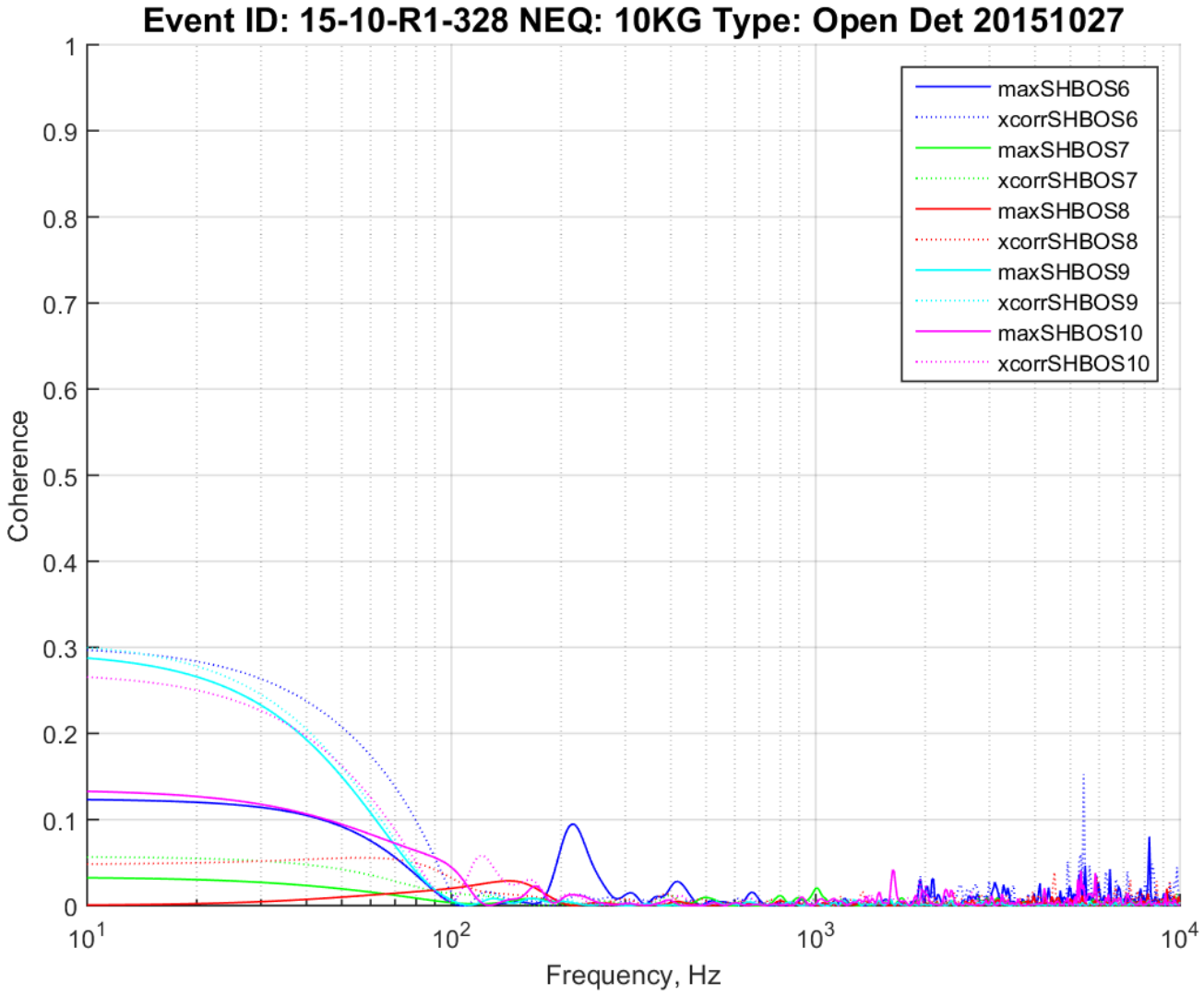


FIGURE 2.1516: COHERENCE SHB_OS 6 - 10 15-10-R1-328CTD

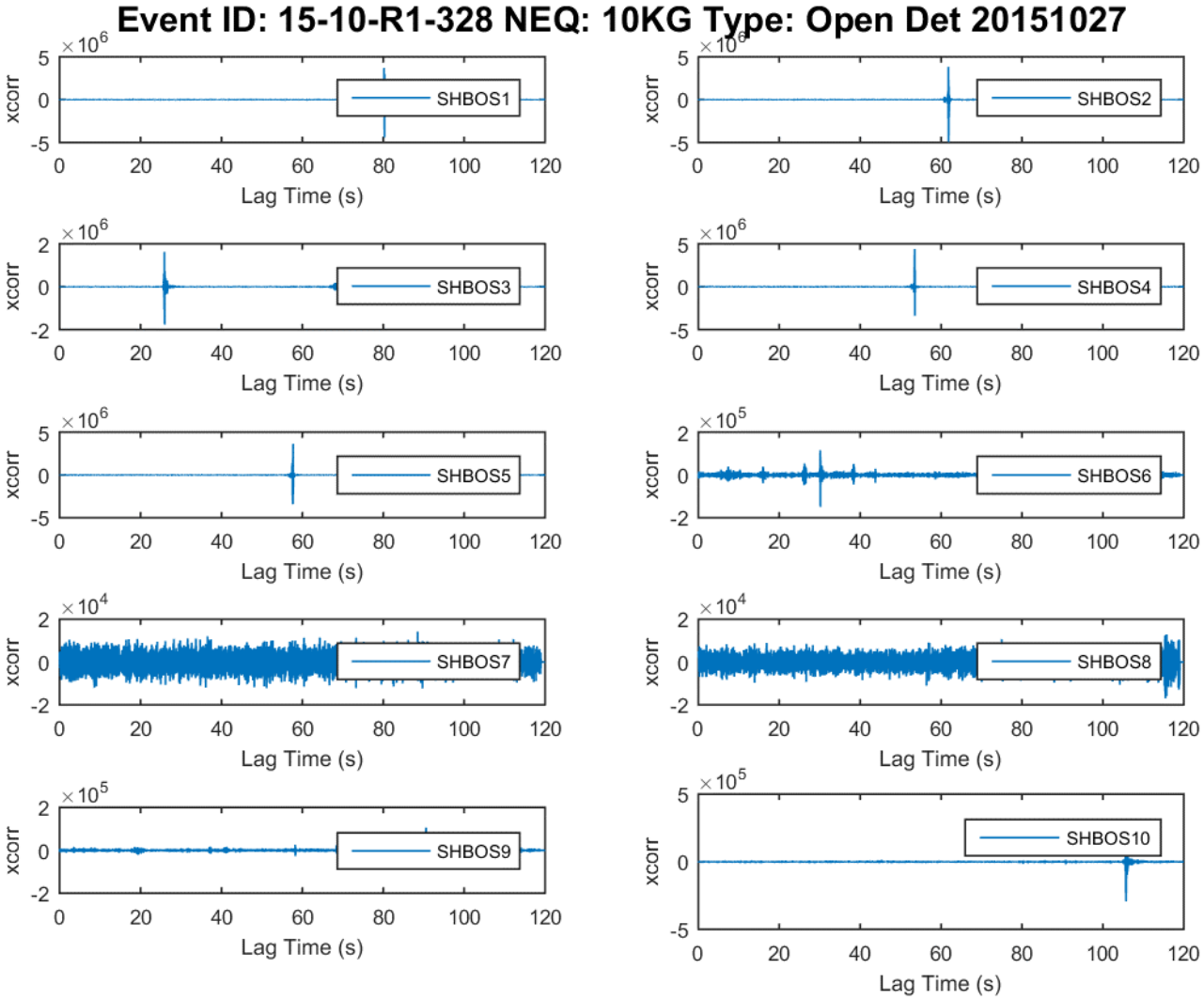


FIGURE 2.1517: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-328

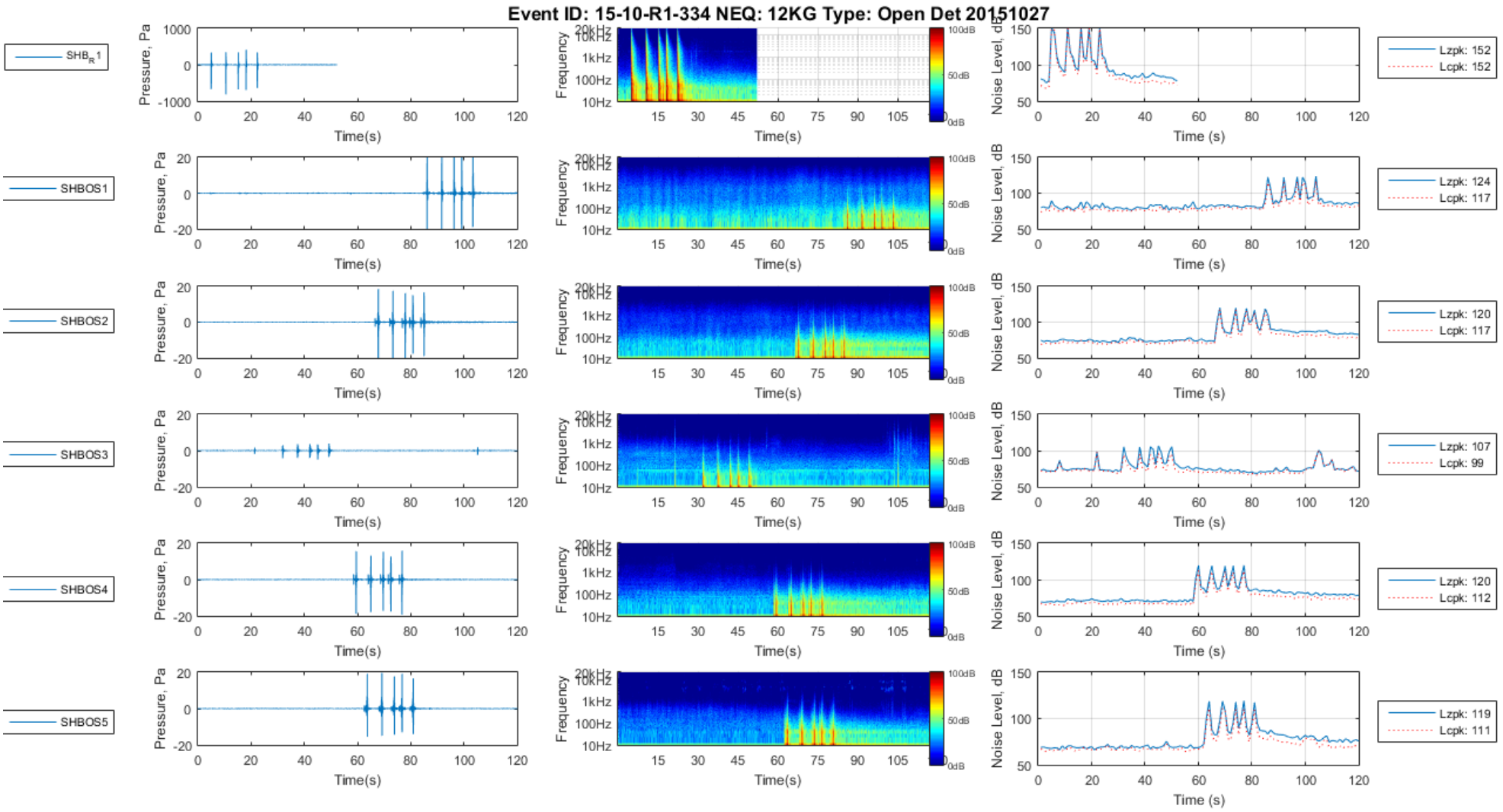


FIGURE 2.1518: SHB_OS 1 - 5 15-10-R1-334

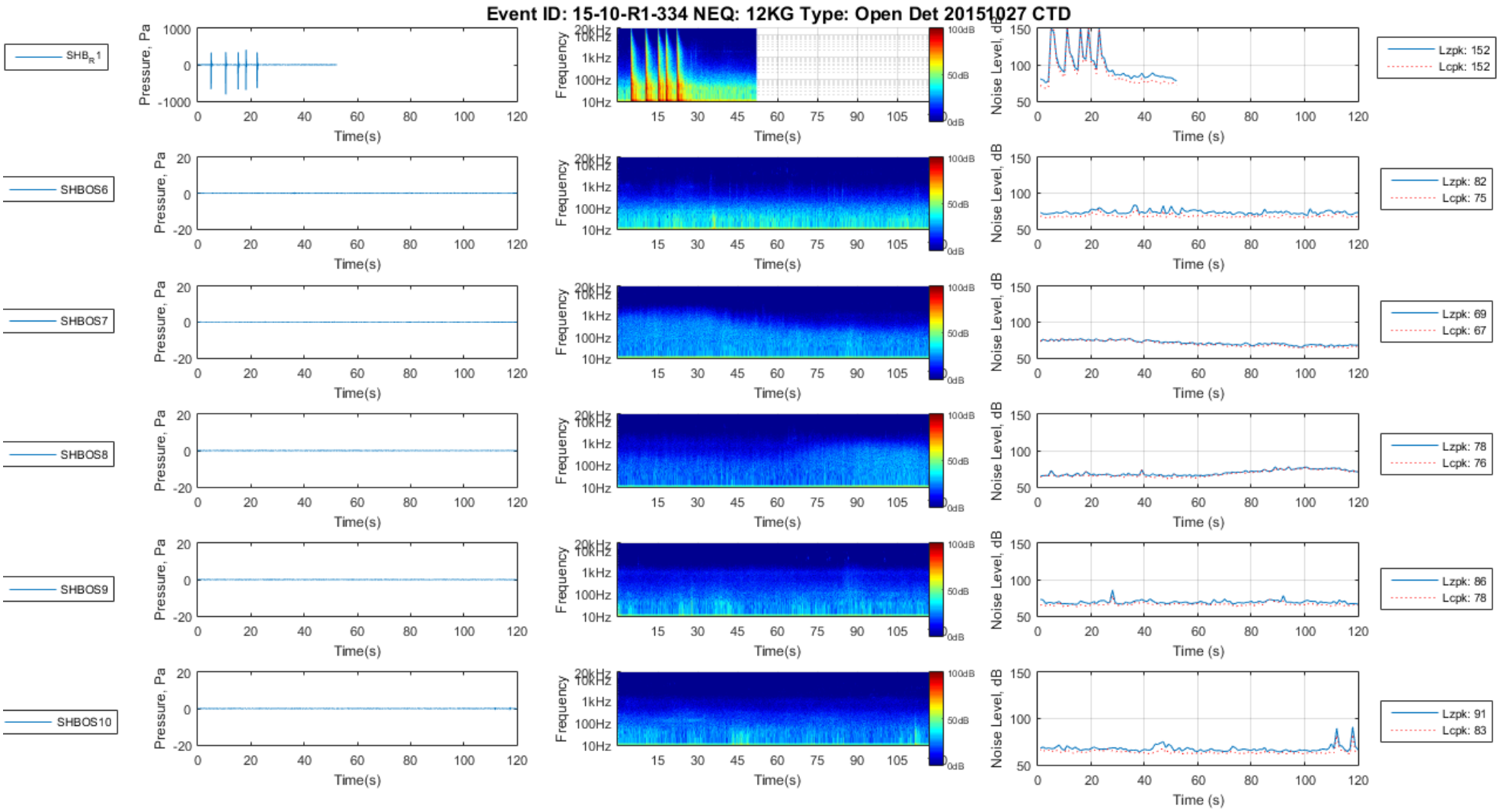


FIGURE 2.1519: SHB_OS 6 - 10 15-10-R1-334

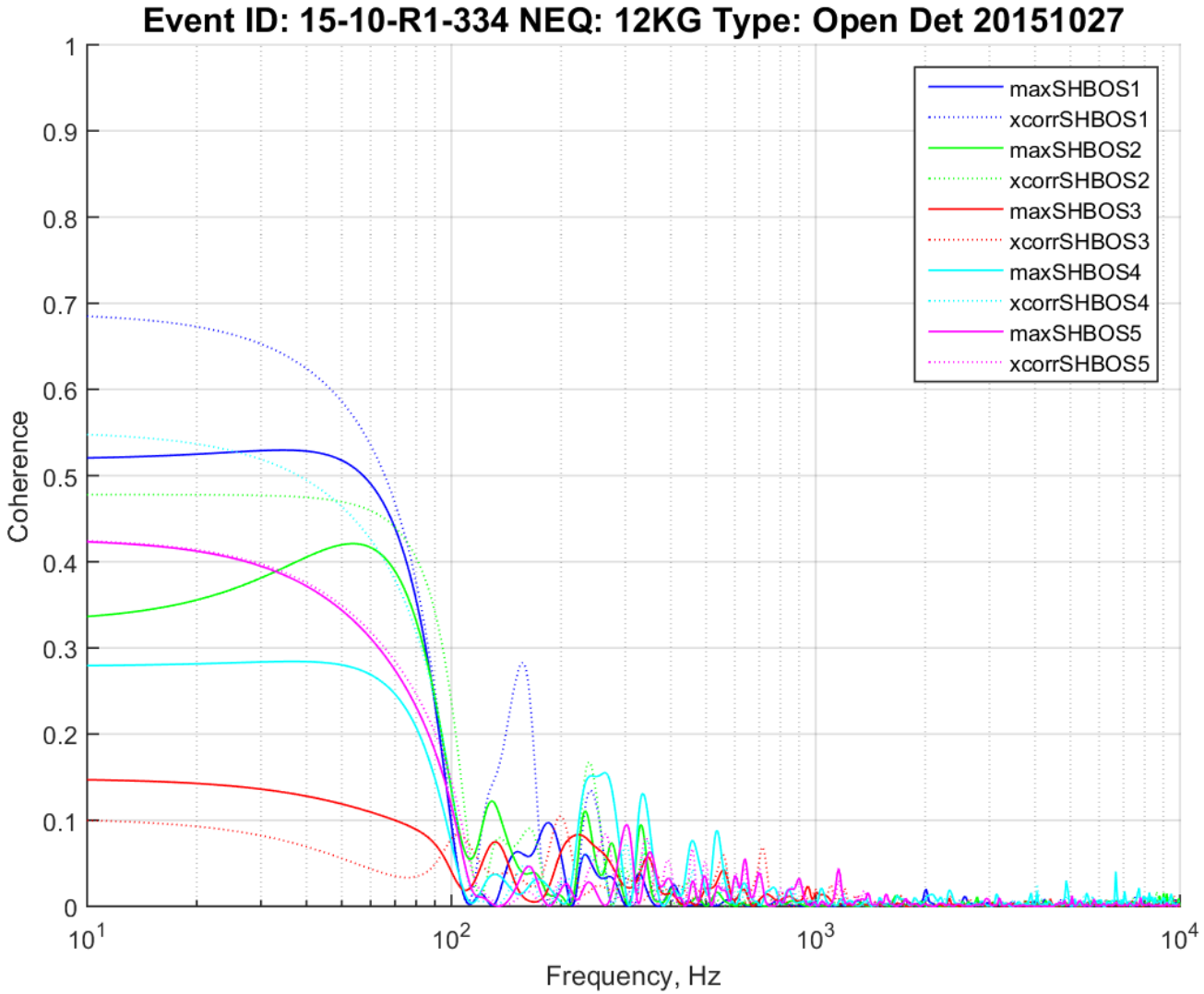


FIGURE 2.1520: COHERENCE SHB_OS 1 - 5 15-10-R1-334

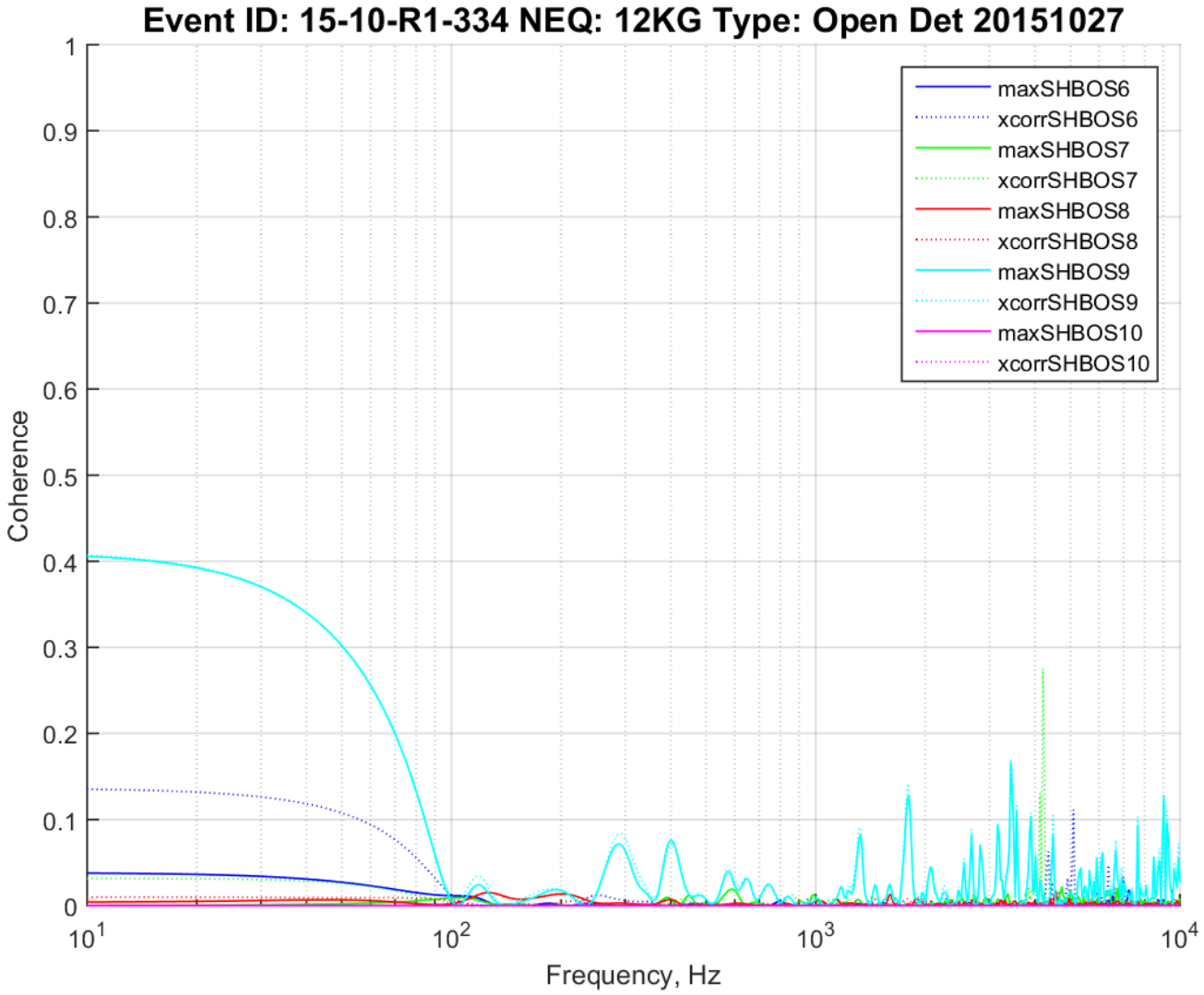


FIGURE 2.1521: COHERENCE SHB_OS 6 - 10 15-10-R1-334CTD

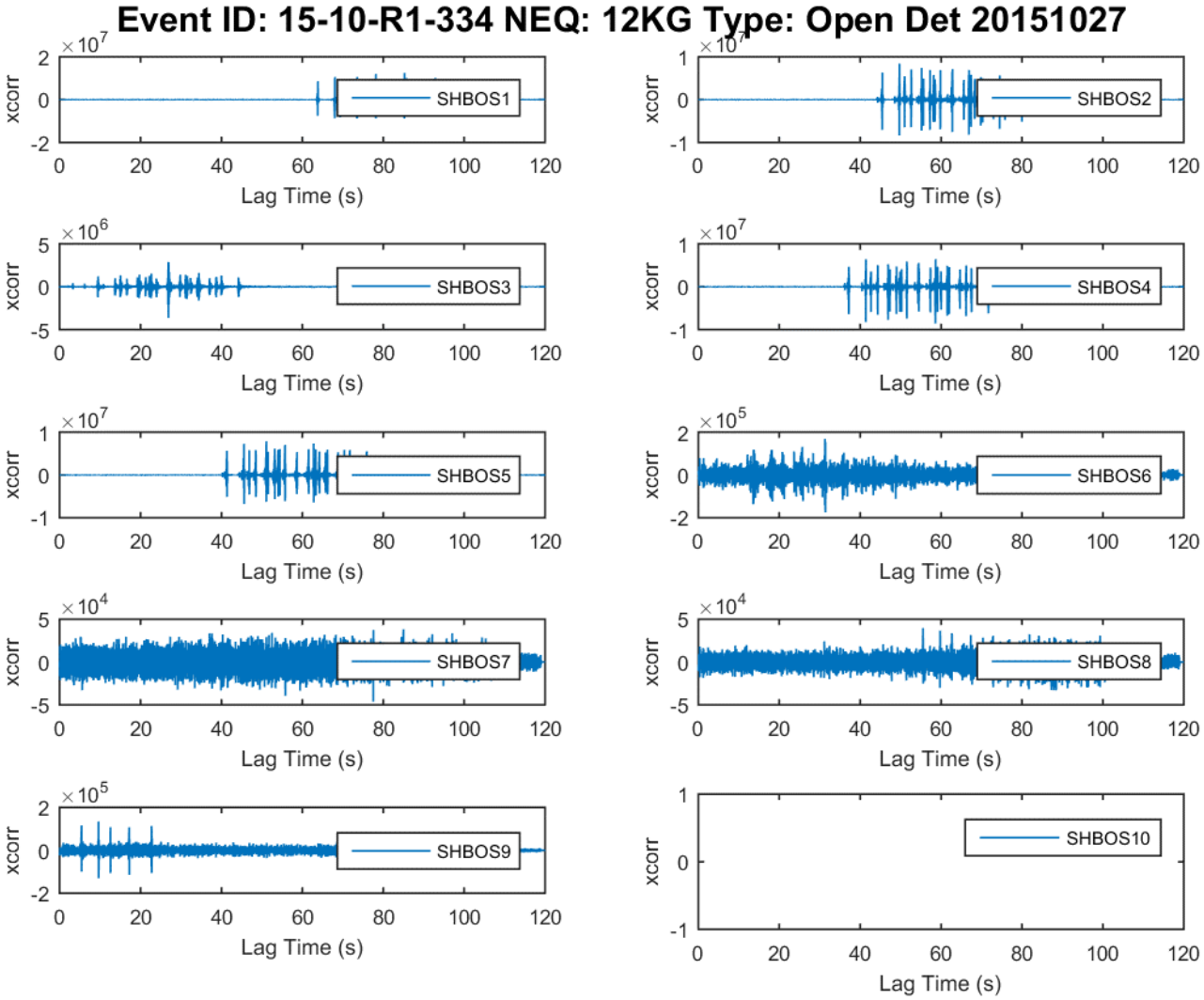


FIGURE 2.1522: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-334

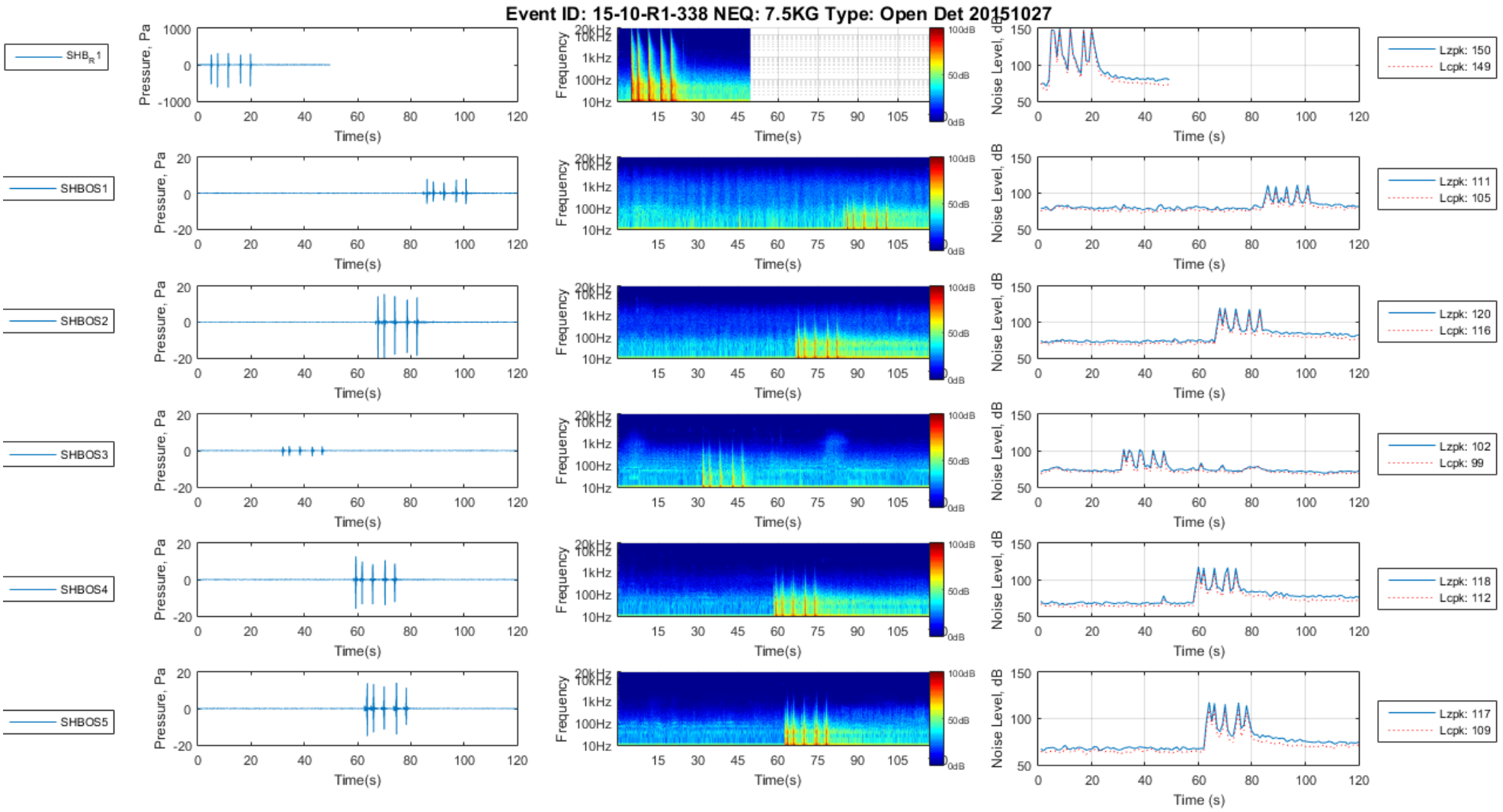


FIGURE 2.1523: SHB_OS 1 - 5 15-10-R1-338

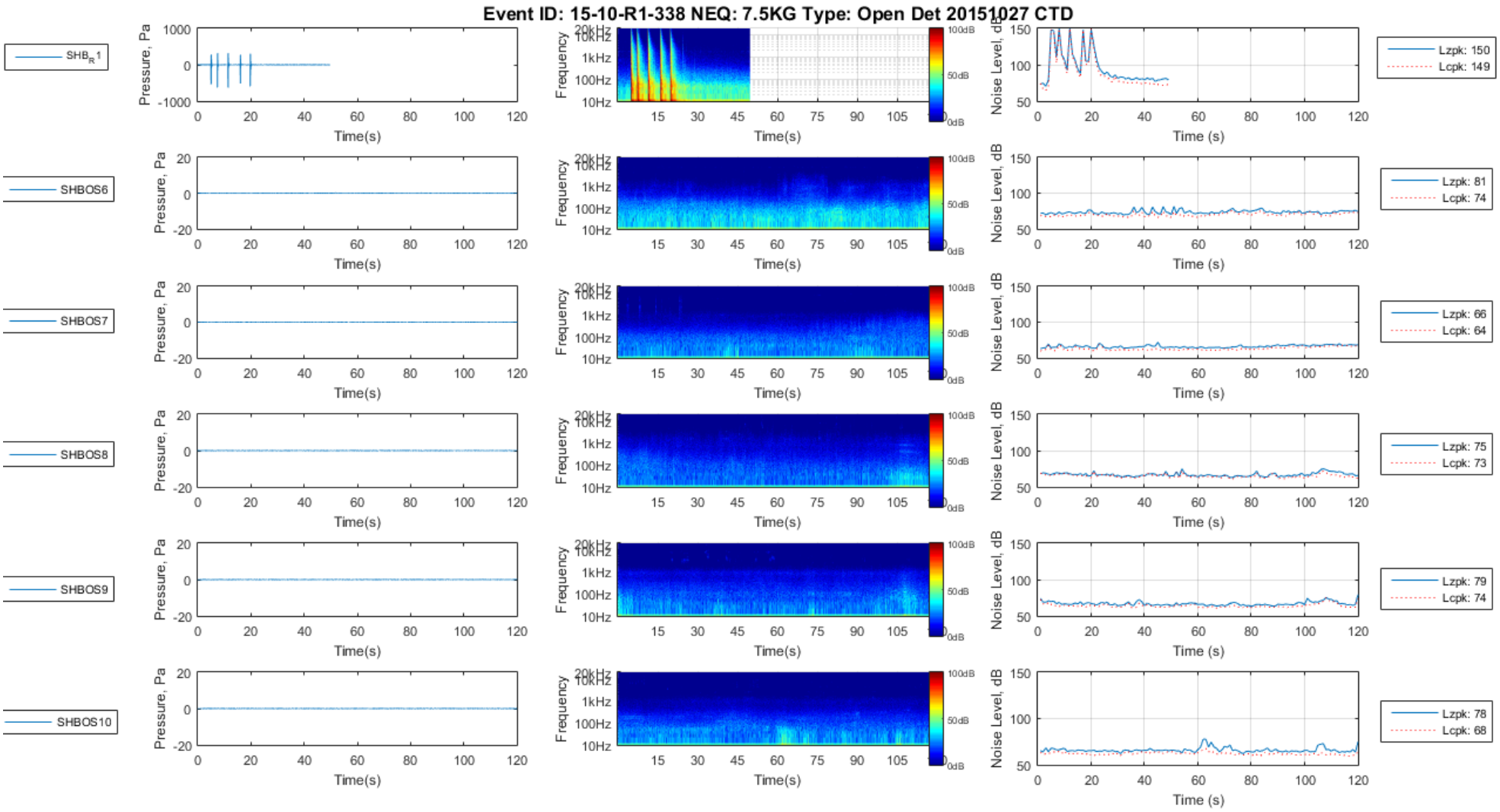


FIGURE 2.1524: SHB_OS 6 - 10 15-10-R1-338

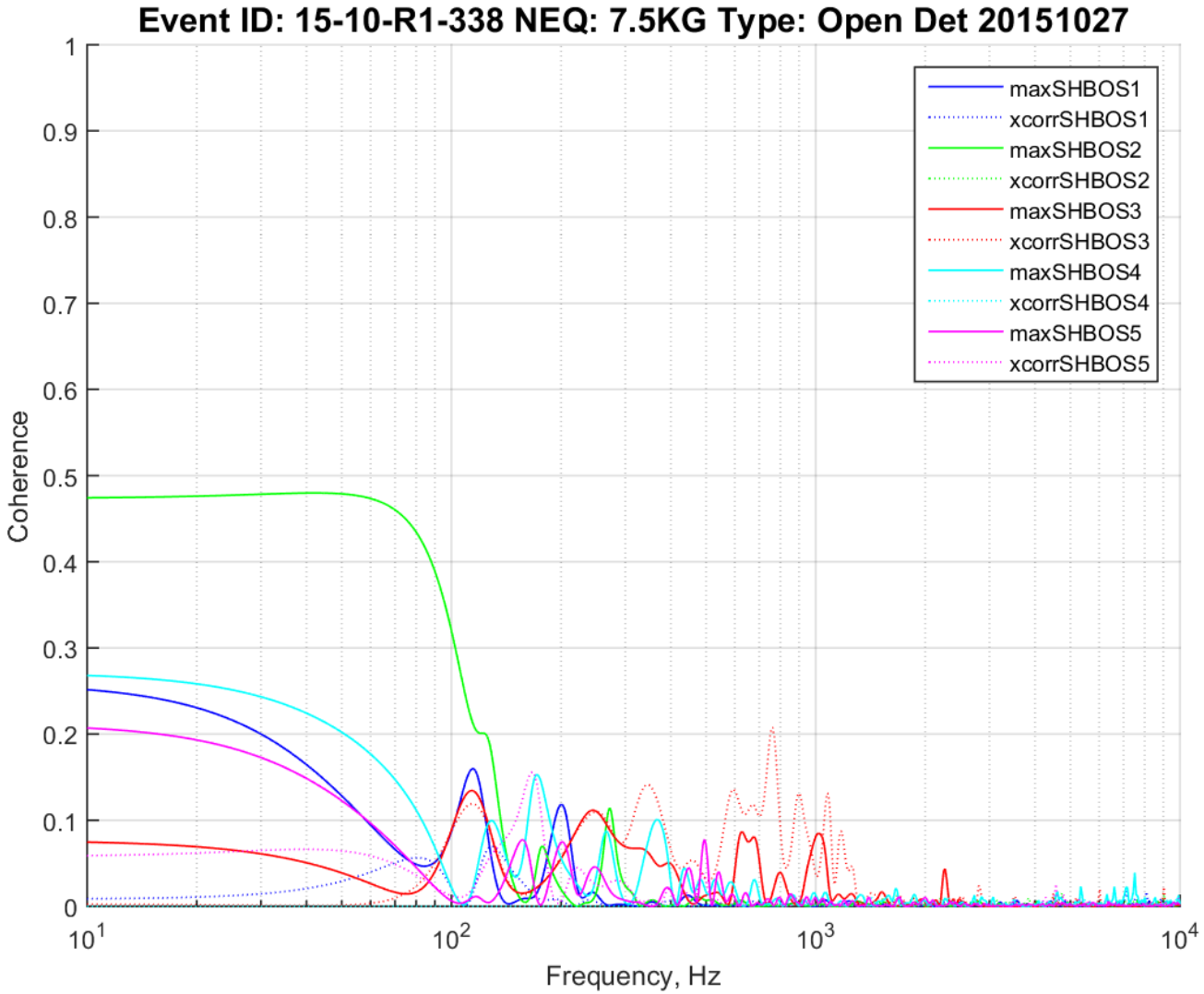


FIGURE 2.1525: COHERENCE SHB_OS 1 - 5 15-10-R1-338

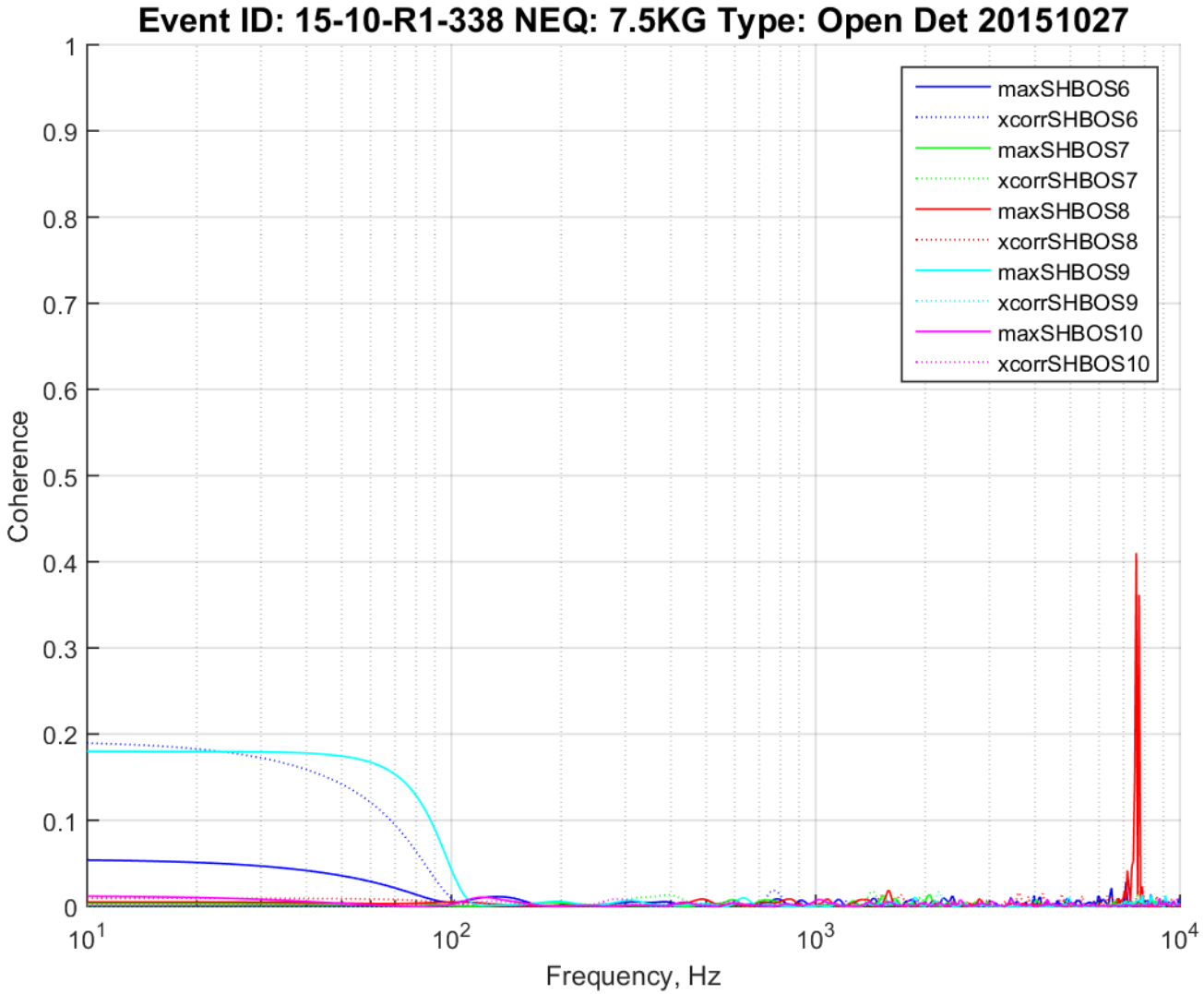


FIGURE 2.1526: COHERENCE SHB_OS 6 - 10 15-10-R1-338CTD

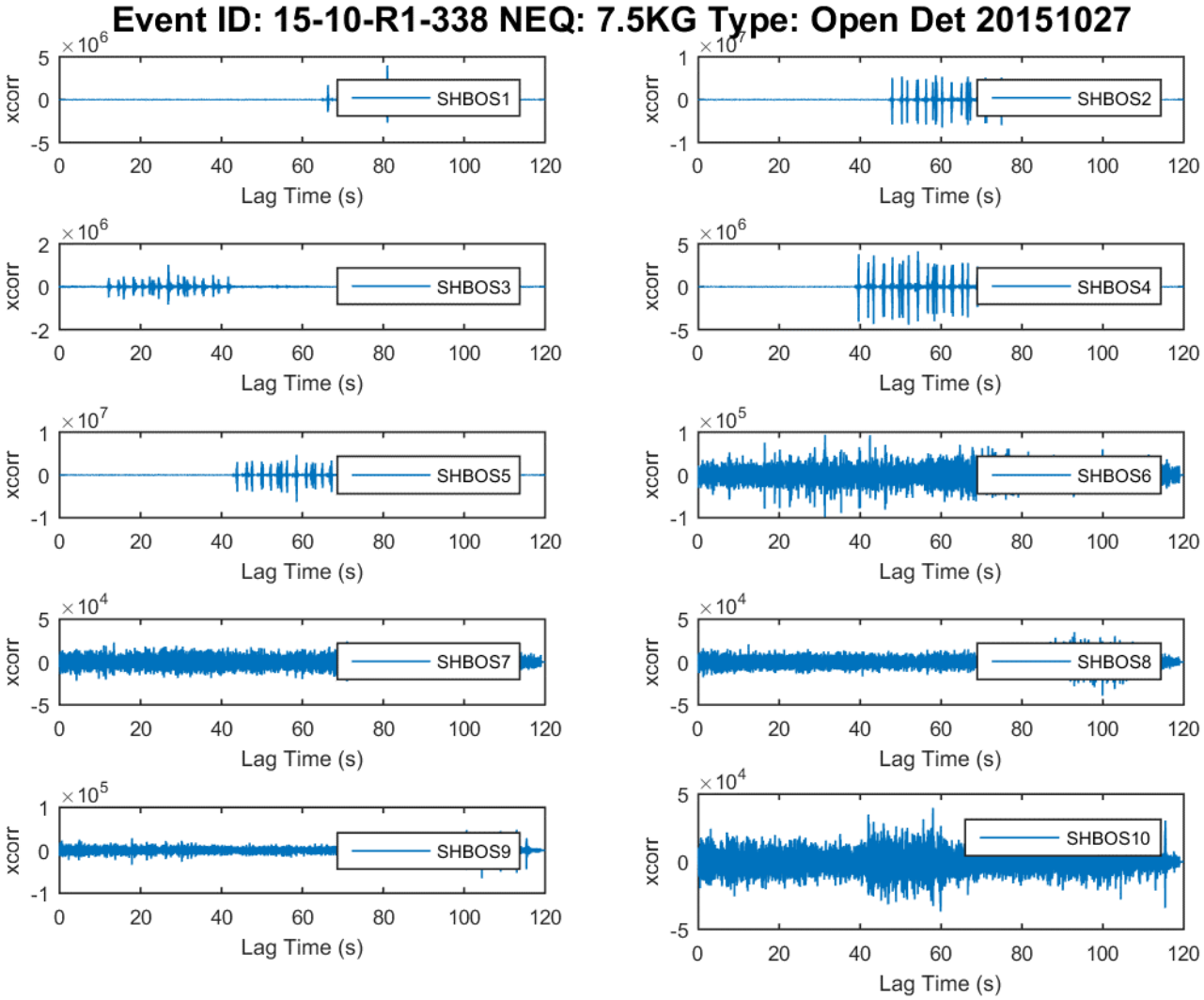


FIGURE 2.1527: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-338

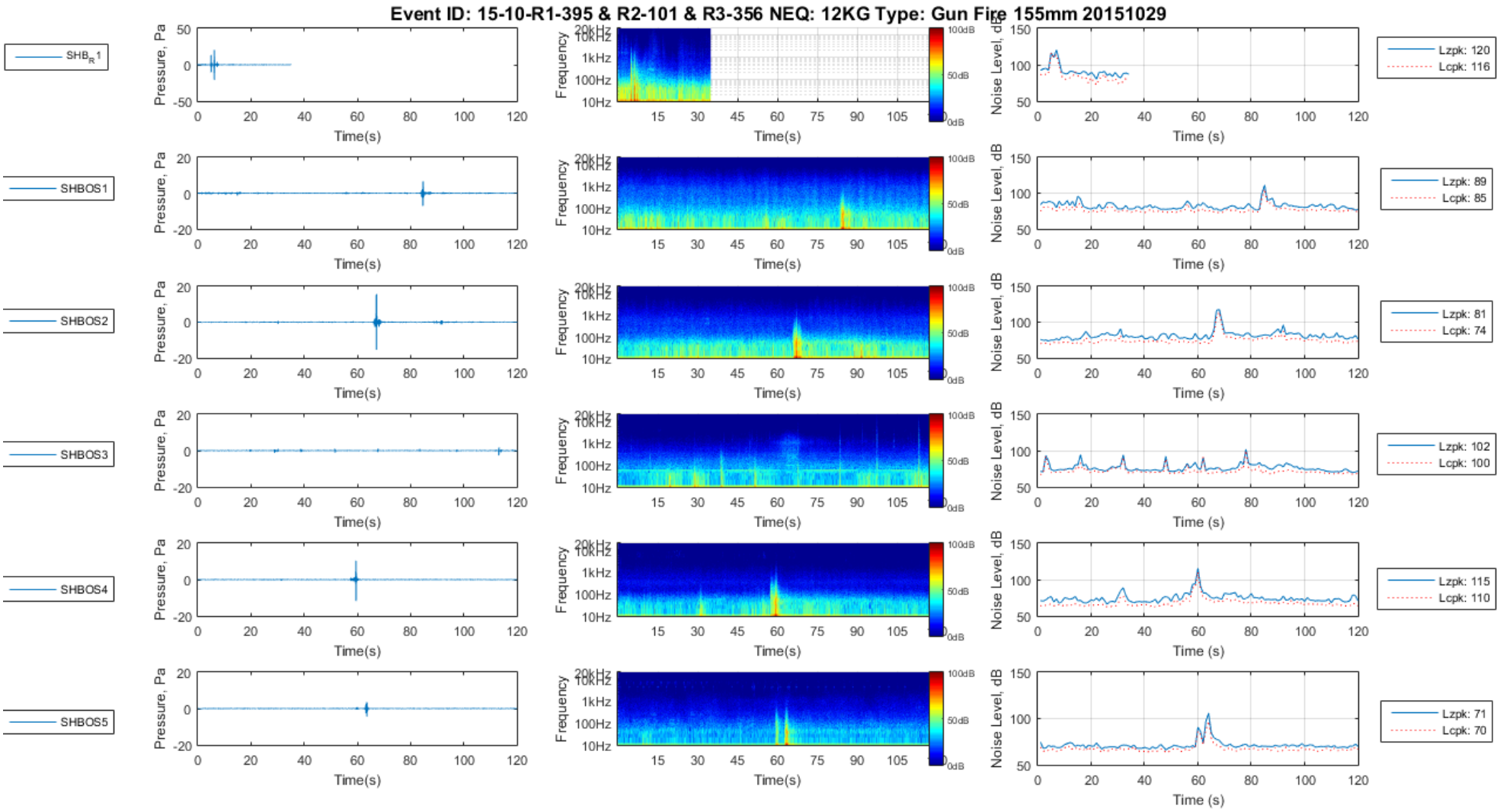


FIGURE 2.1528: SHB_OS 1 - 5 15-10-R1-395 & R2-101 & R3-356

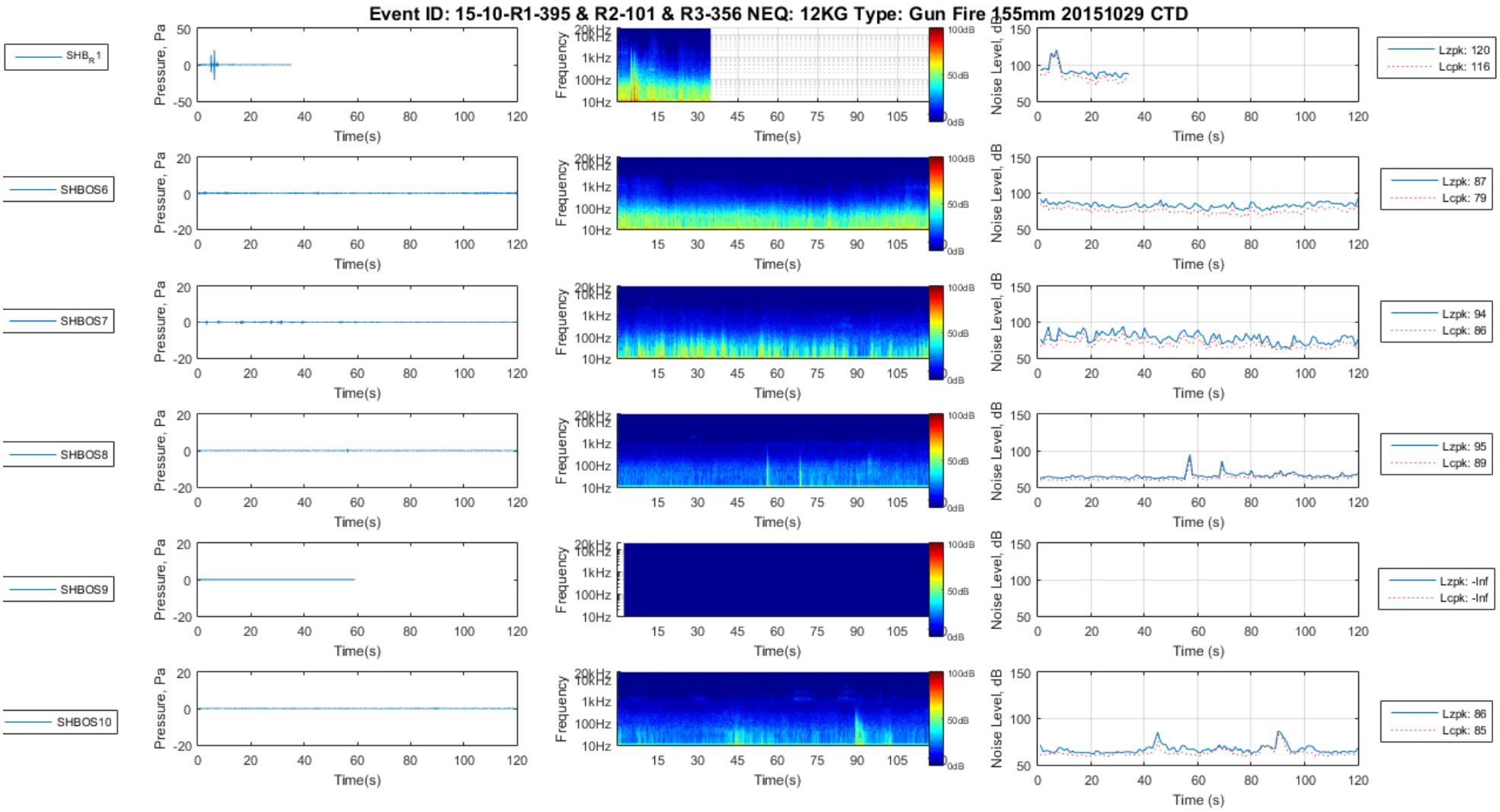


FIGURE 2.1529: SHB_OS 6 - 10 15-10-R1-395 & R2-101 & R3-356

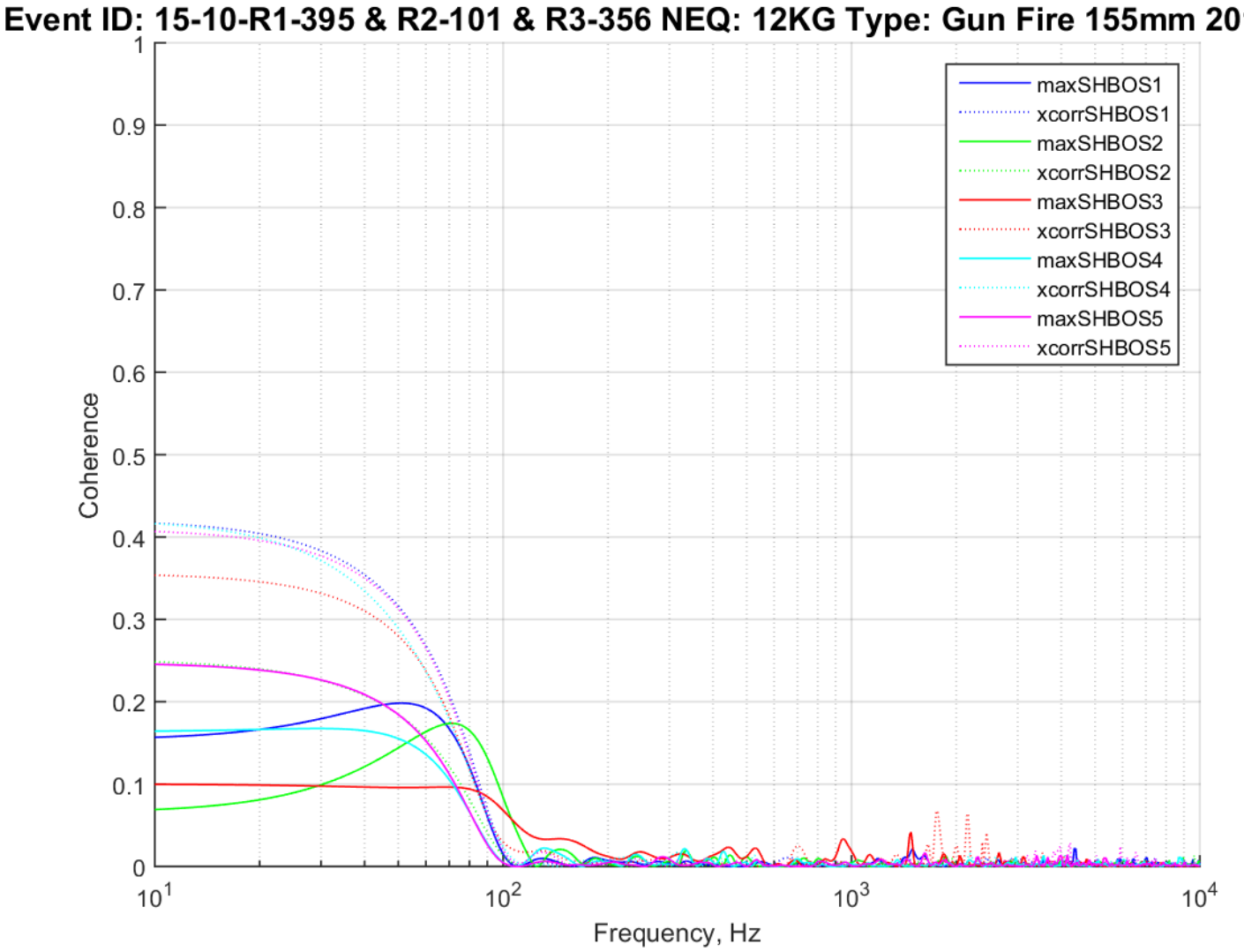


FIGURE 2.1530: COHERENCE SHB_OS 1 - 5 15-10-R1-395 & R2-101 & R3-356

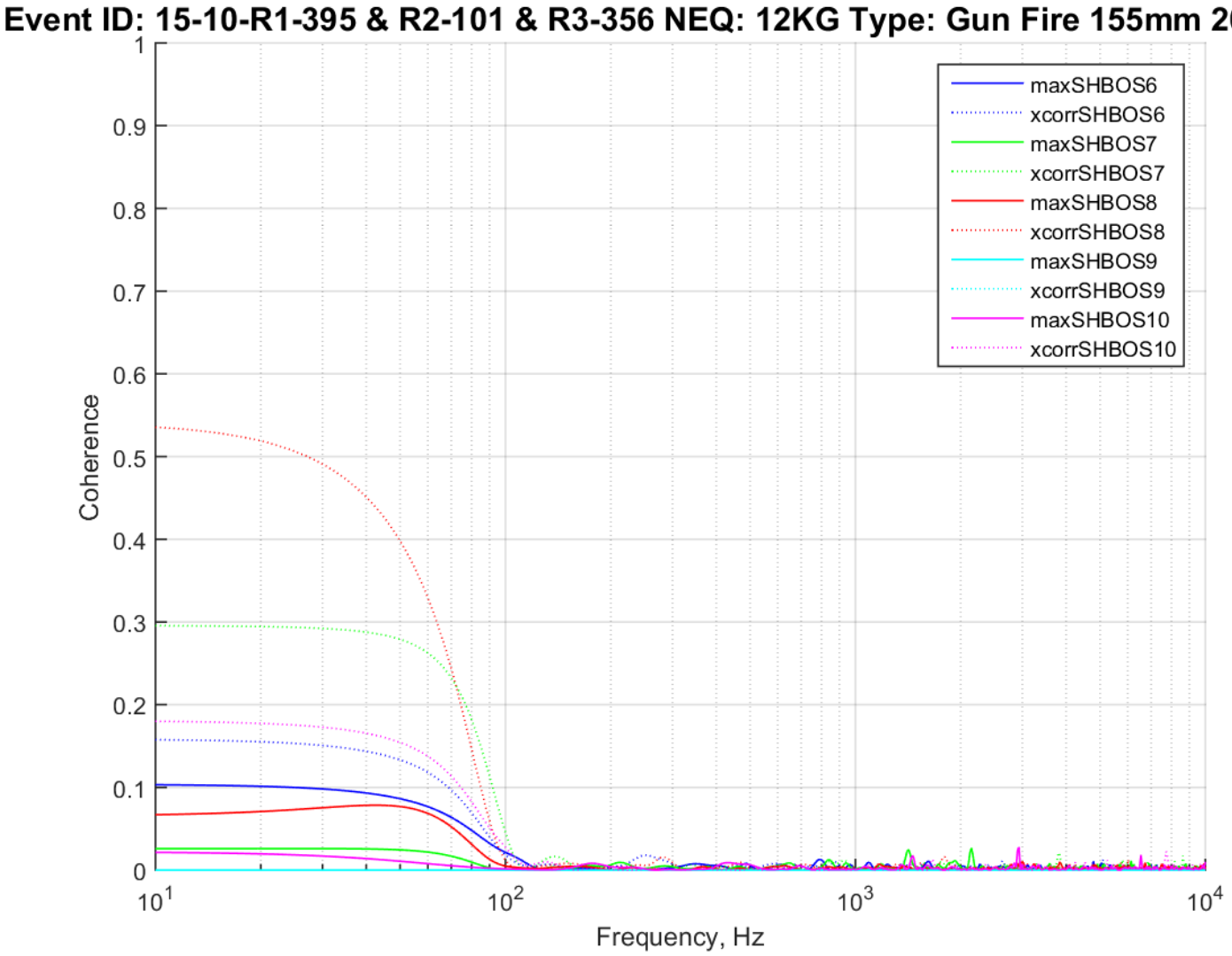


FIGURE 2.1531: COHERENCE SHB_OS 6 - 10 15-10-R1-395 & R2-101 & R3-356CTD

Event ID: 15-10-R1-395 & R2-101 & R3-356 NEQ: 12KG Type: Gun Fire 155mm 2015102

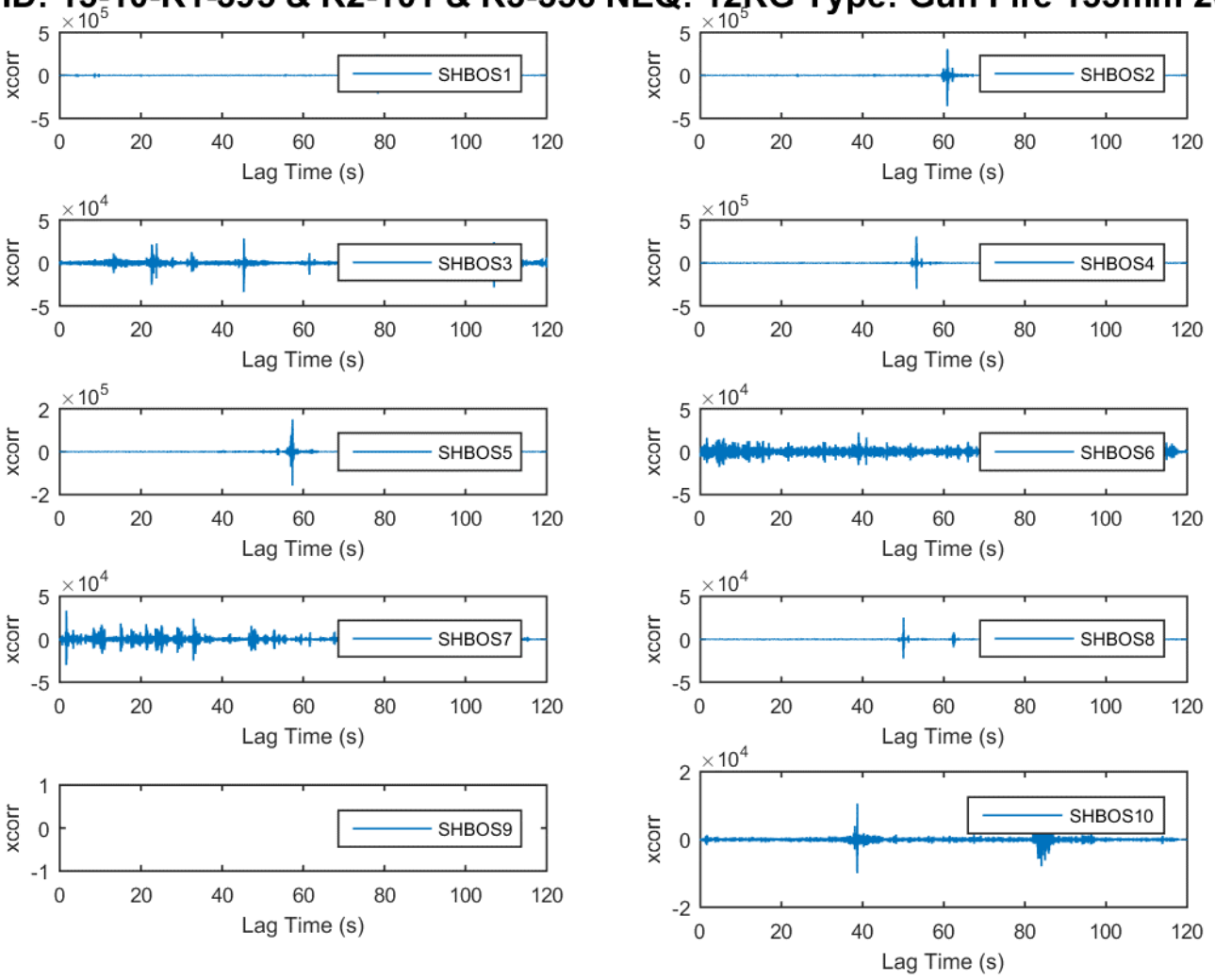


FIGURE 2.1532: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-395 & R2-101 & R3-356

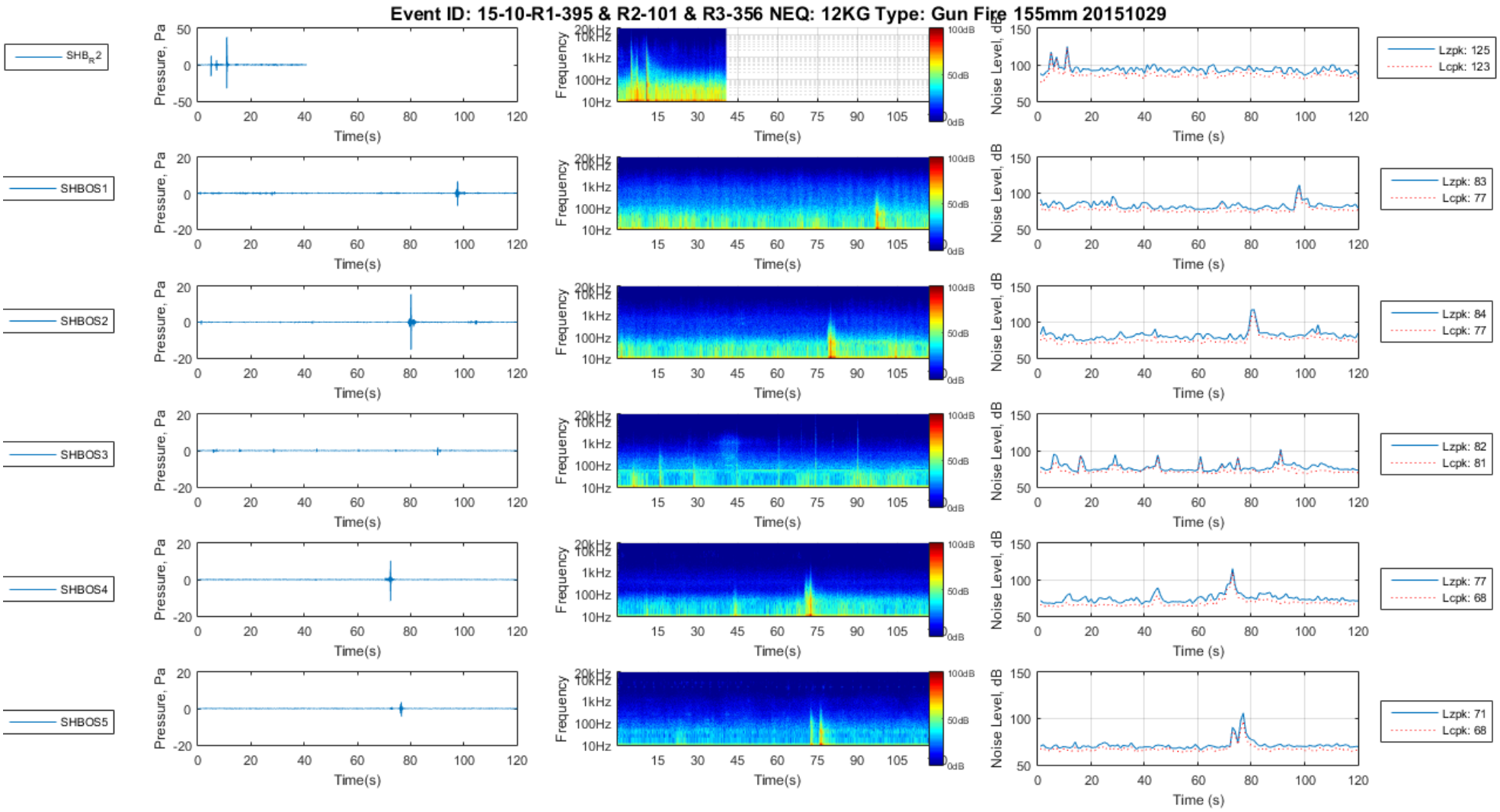


FIGURE 2.1533: SHB_OS 1 - 5 15-10-R1-395 & R2-101 & R3-356

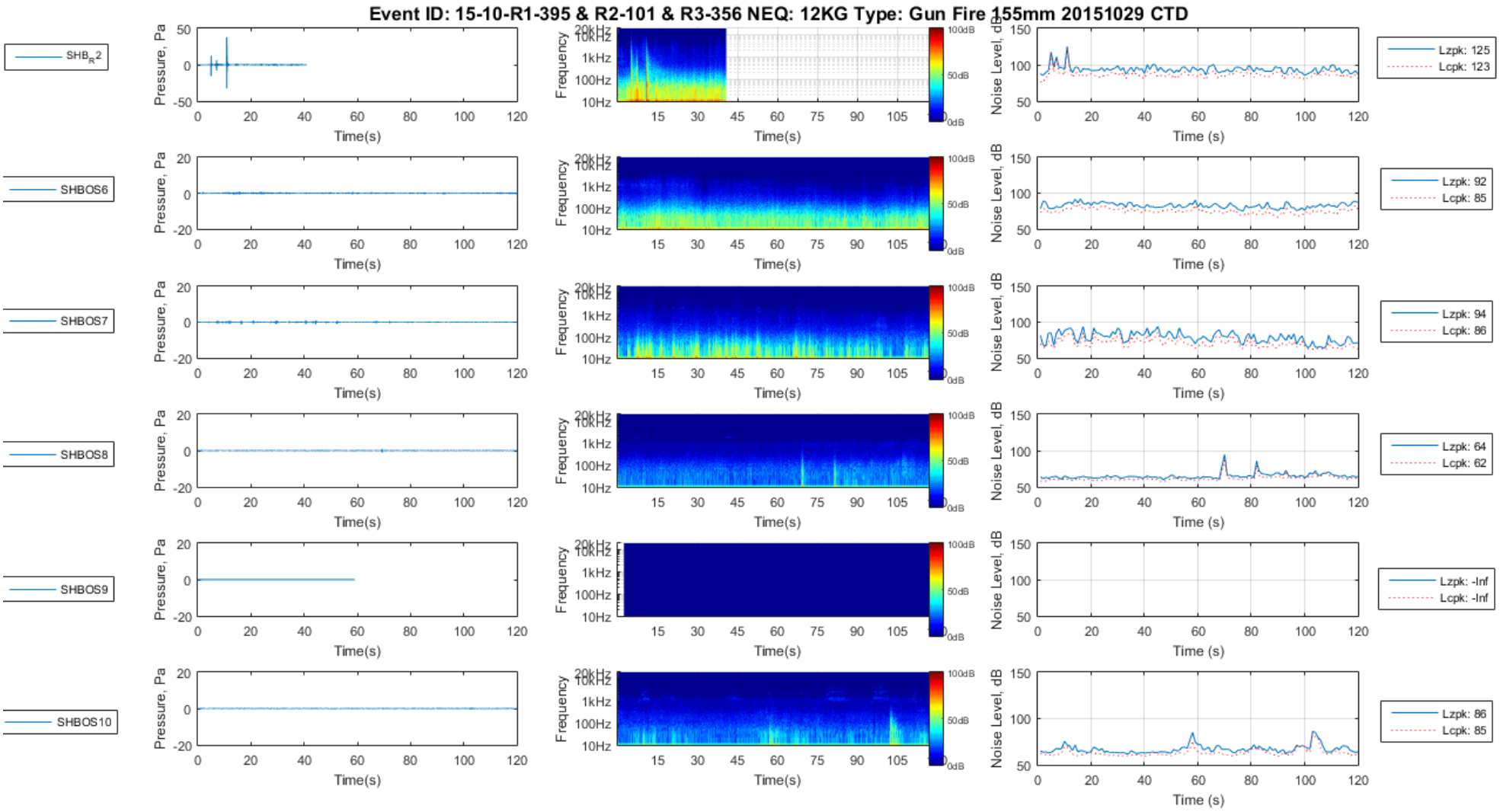


FIGURE 2.1534: SHB_OS 6 - 10 15-10-R1-395 & R2-101 & R3-356

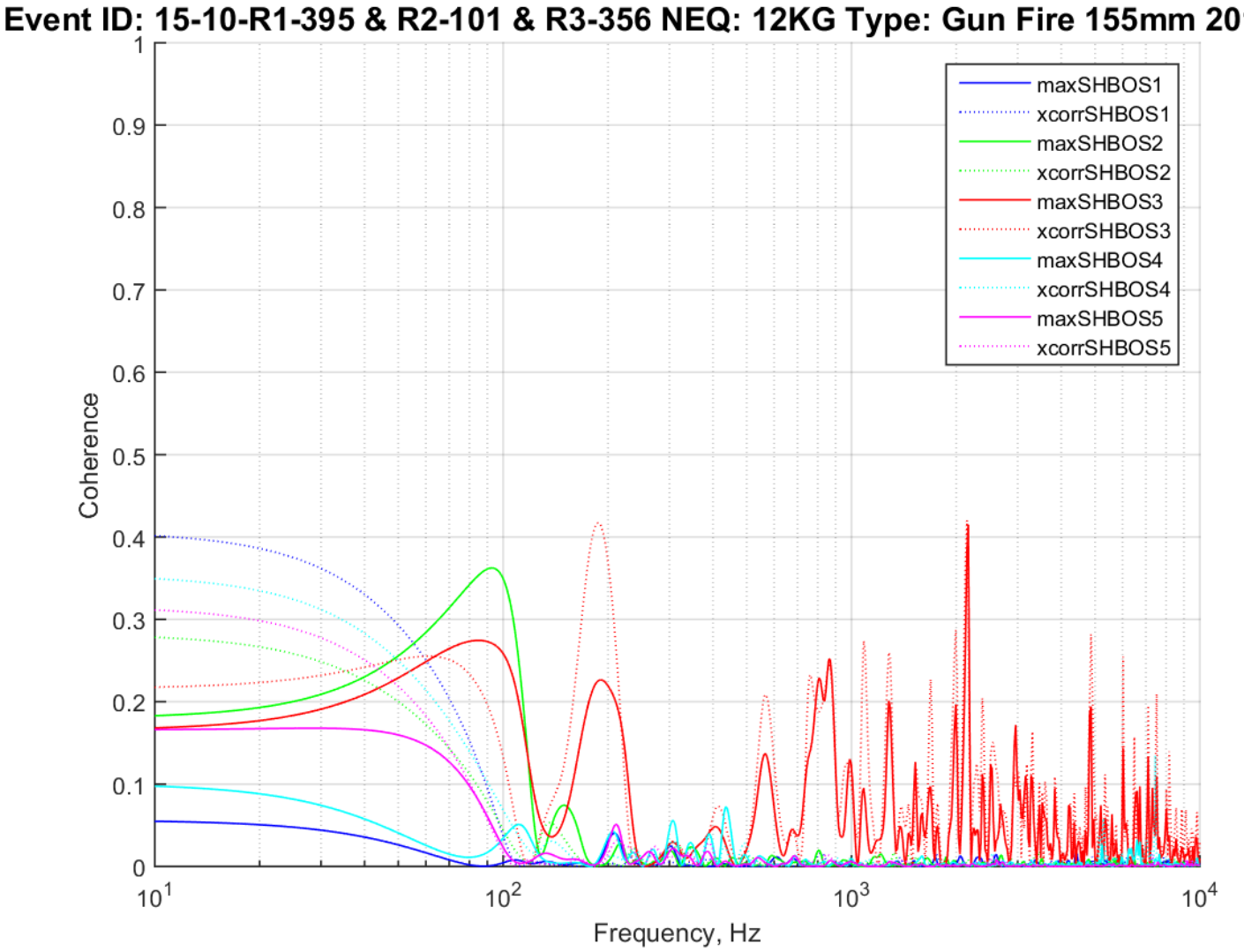


FIGURE 2.1535: COHERENCE SHB_OS 1 - 5 15-10-R1-395 & R2-101 & R3-356

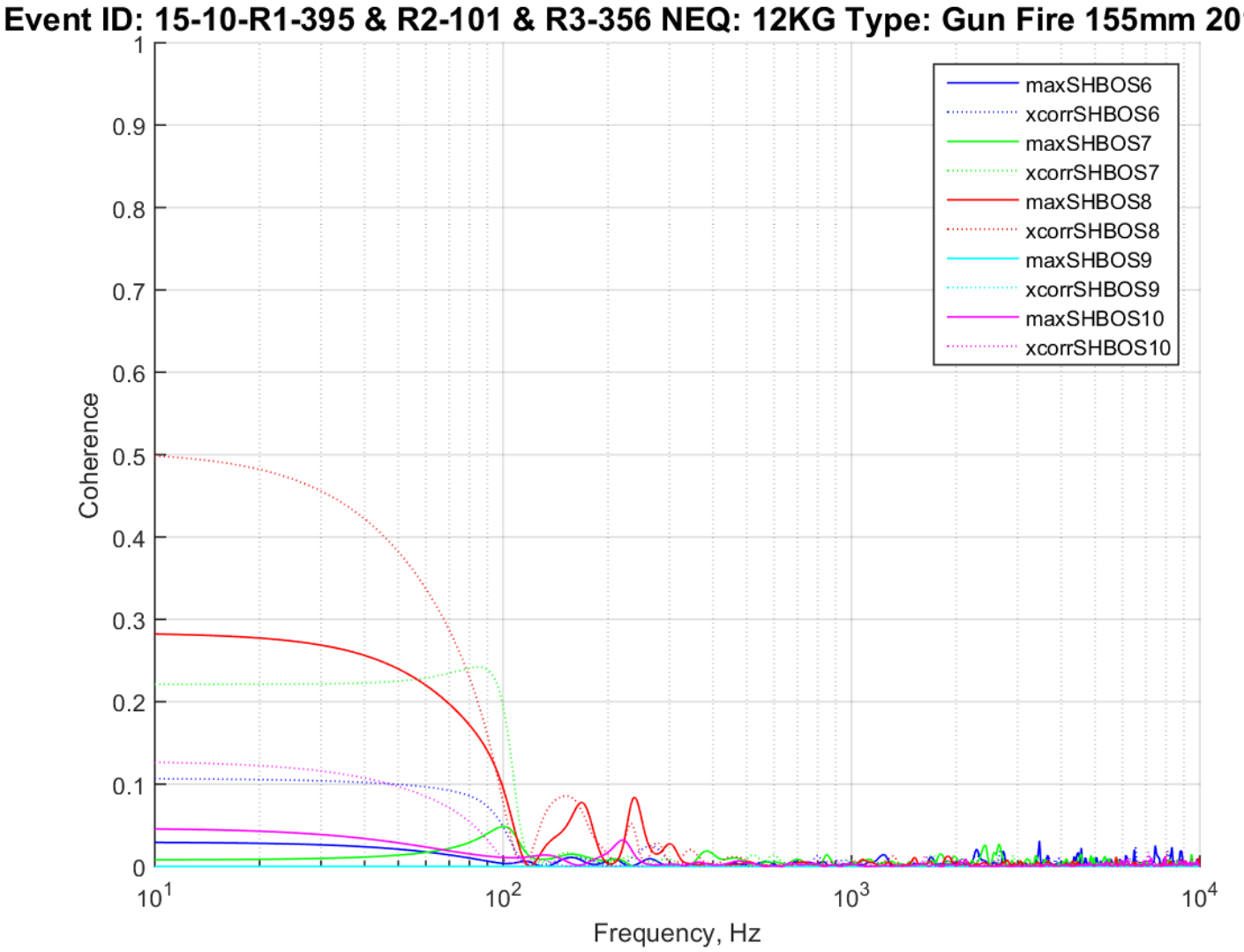


FIGURE 2.1536: COHERENCE SHB_OS 6 - 10 15-10-R1-395 & R2-101 & R3-356CTD

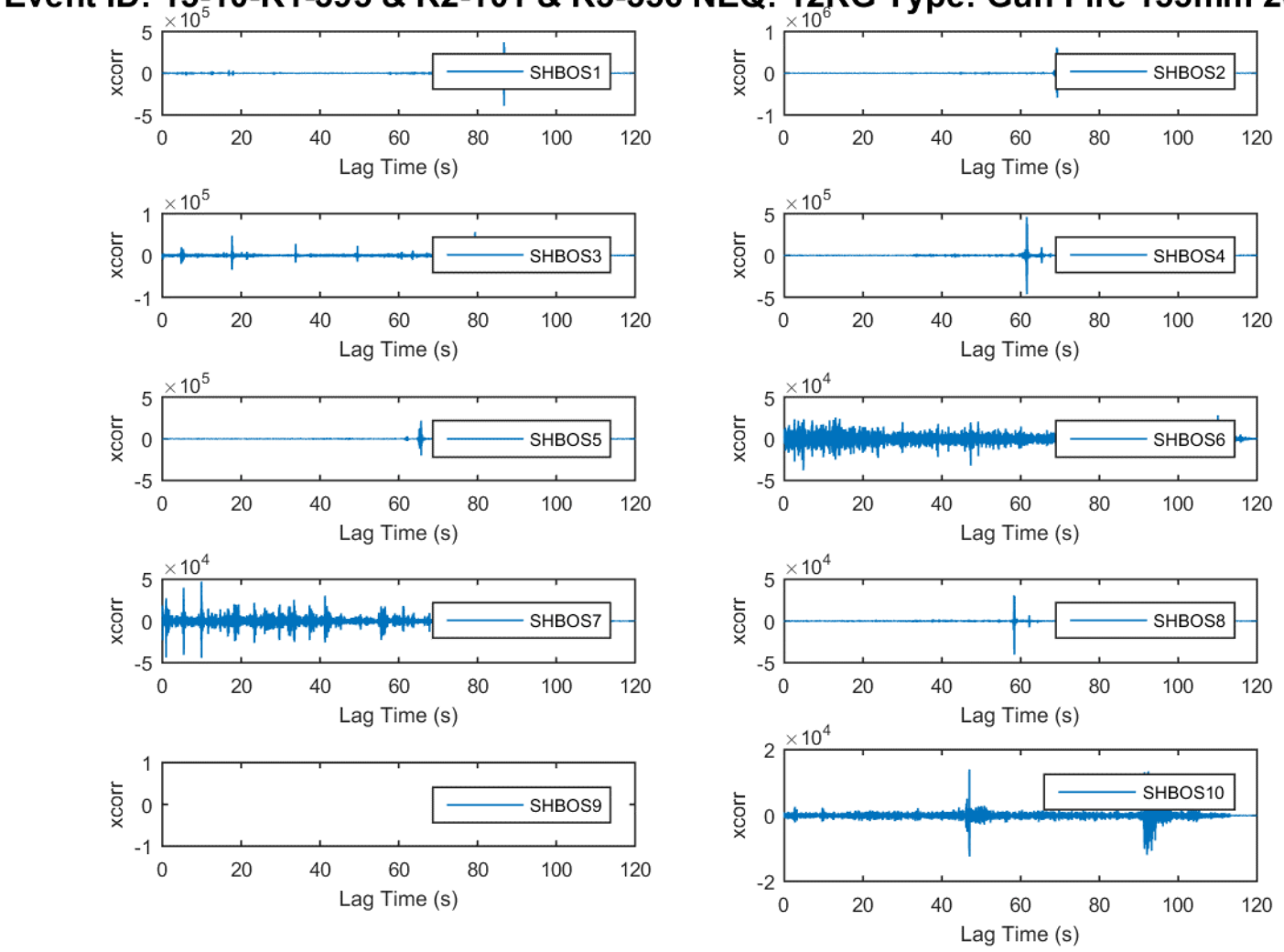


FIGURE 2.1537: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-395 & R2-101 & R3-356

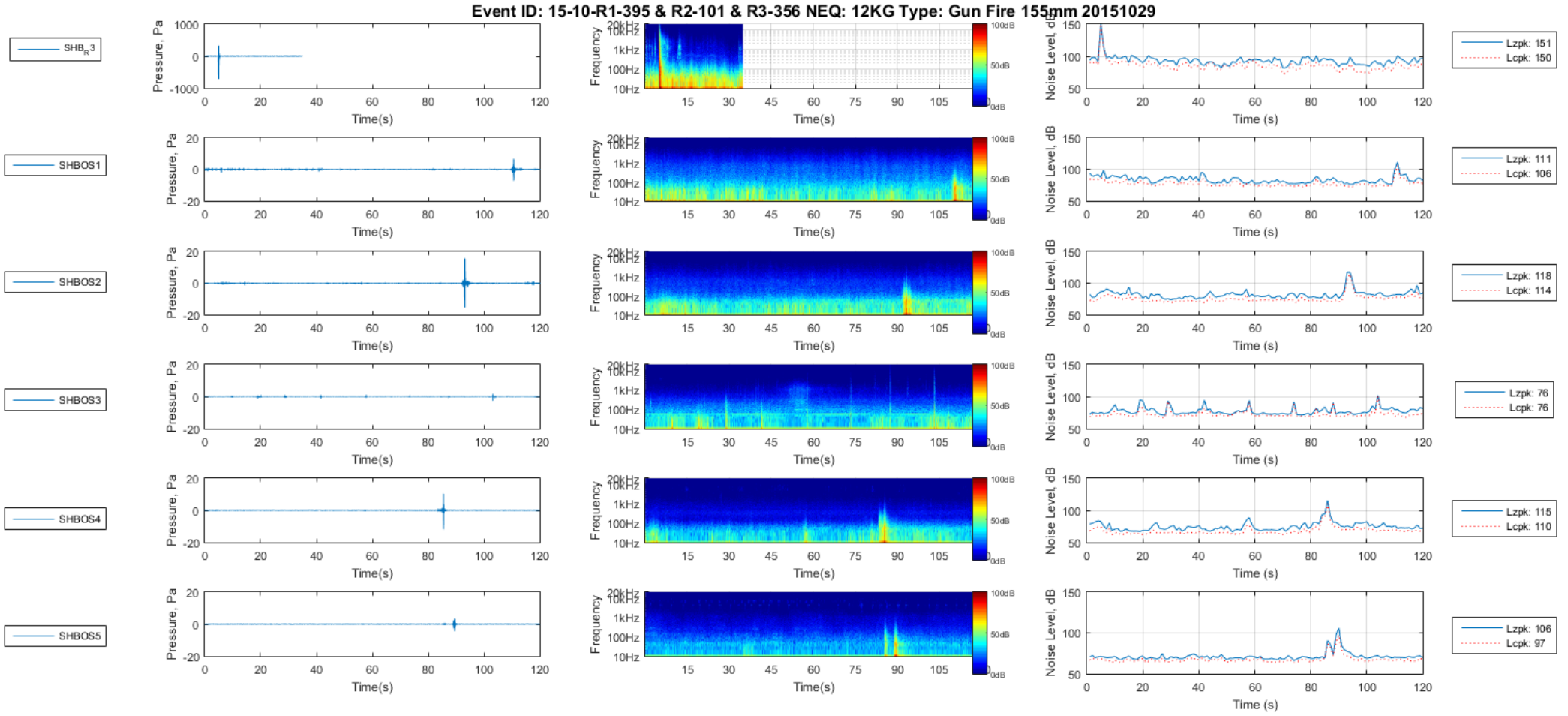


FIGURE 2.1538: SHB_OS 1 - 5 15-10-R1-395 & R2-101 & R3-356

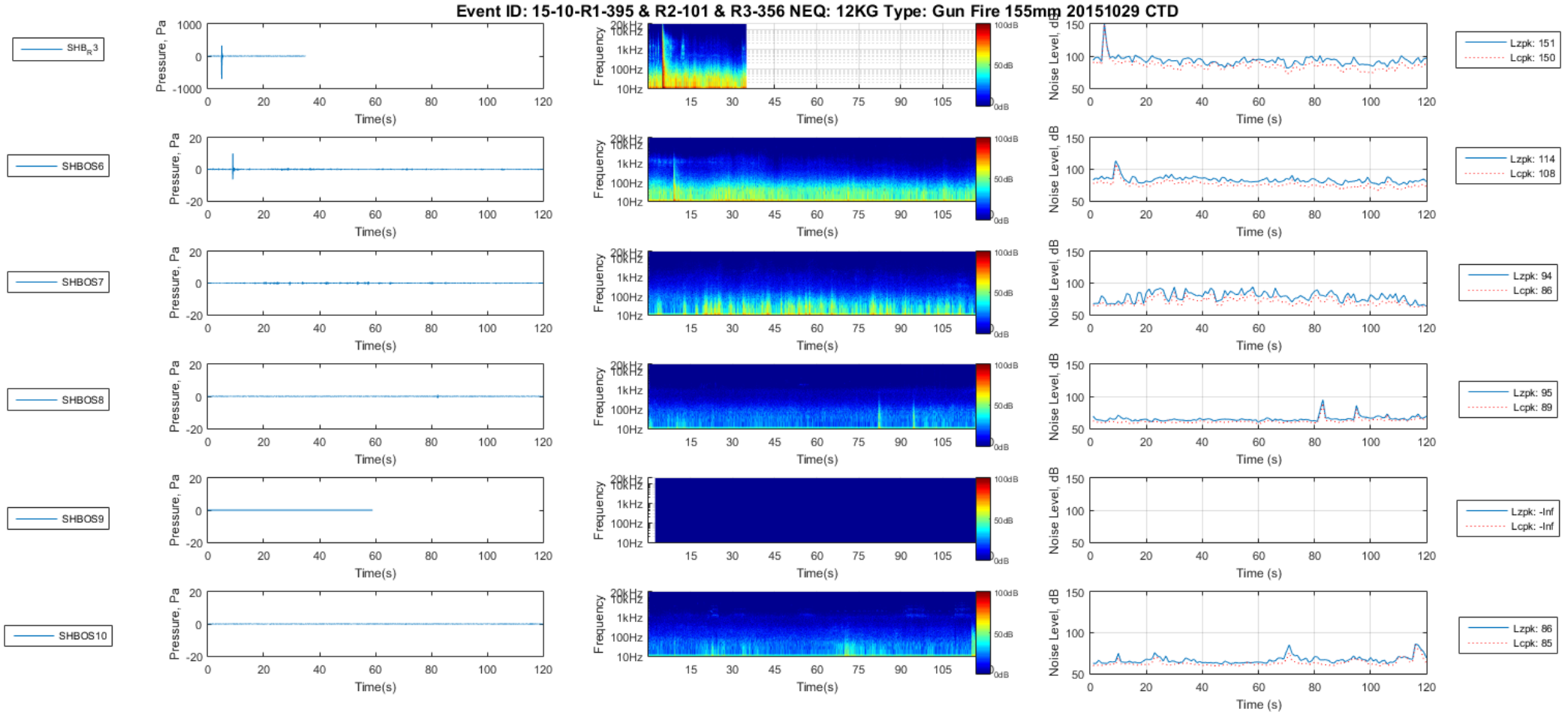


FIGURE 2.1539: SHB_OS 6 - 10 15-10-R1-395 & R2-101 & R3-356

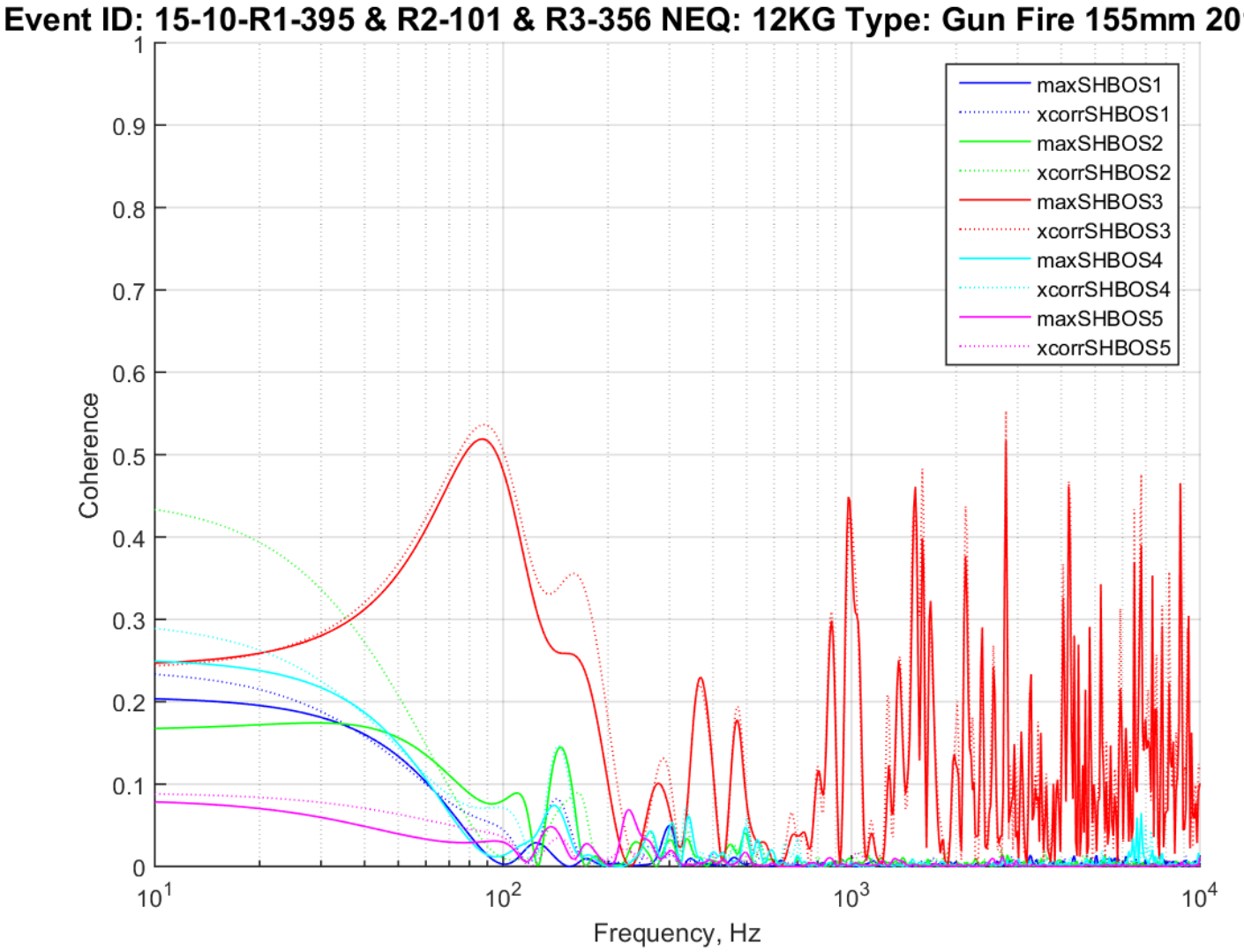


FIGURE 2.1540: COHERENCE SHB_OS 1 - 5 15-10-R1-395 & R2-101 & R3-356

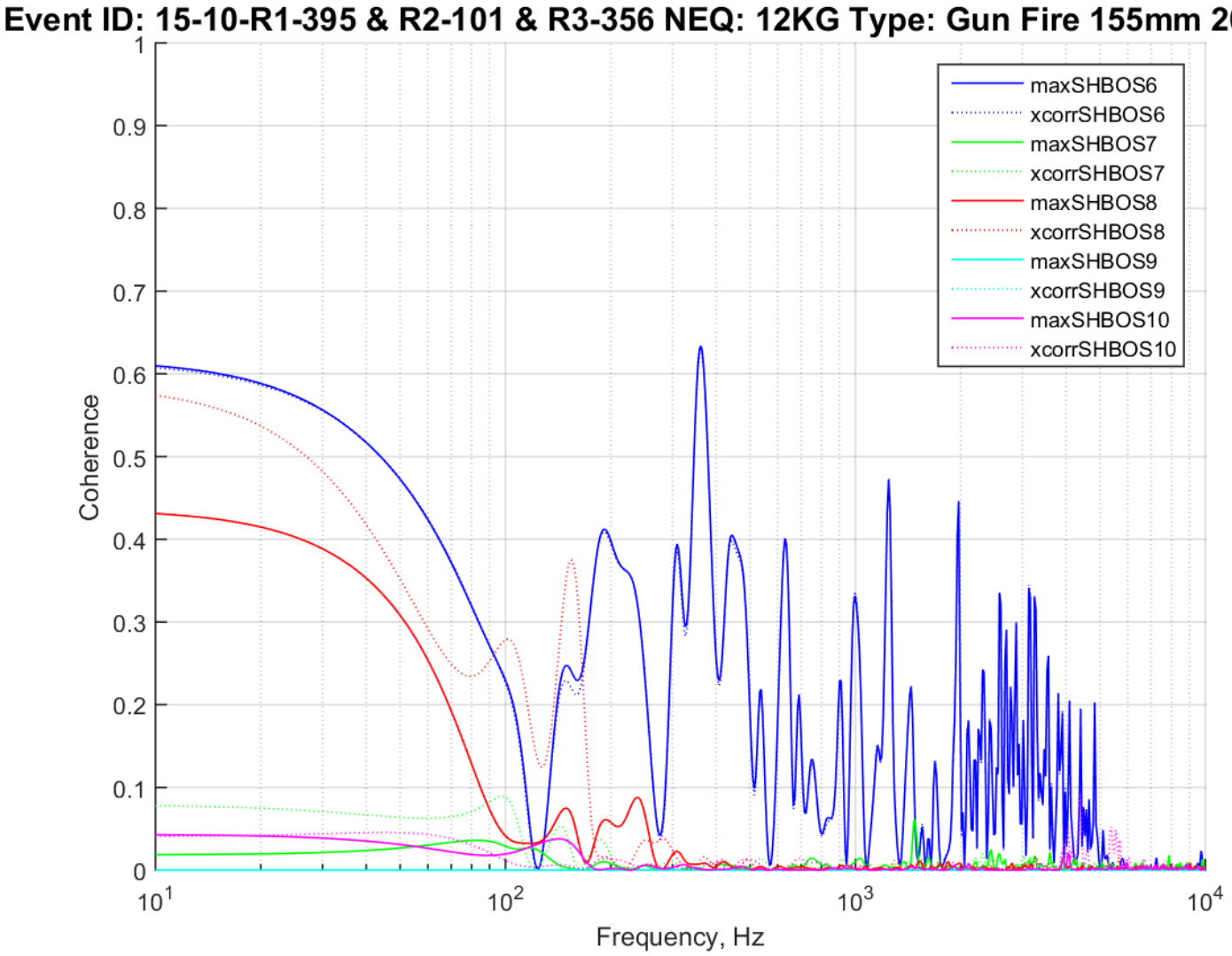


FIGURE 2.1541: COHERENCE SHB_OS 6 - 10 15-10-R1-395 & R2-101 & R3-356CTD

Event ID: 15-10-R1-395 & R2-101 & R3-356 NEQ: 12KG Type: Gun Fire 155mm 2015102

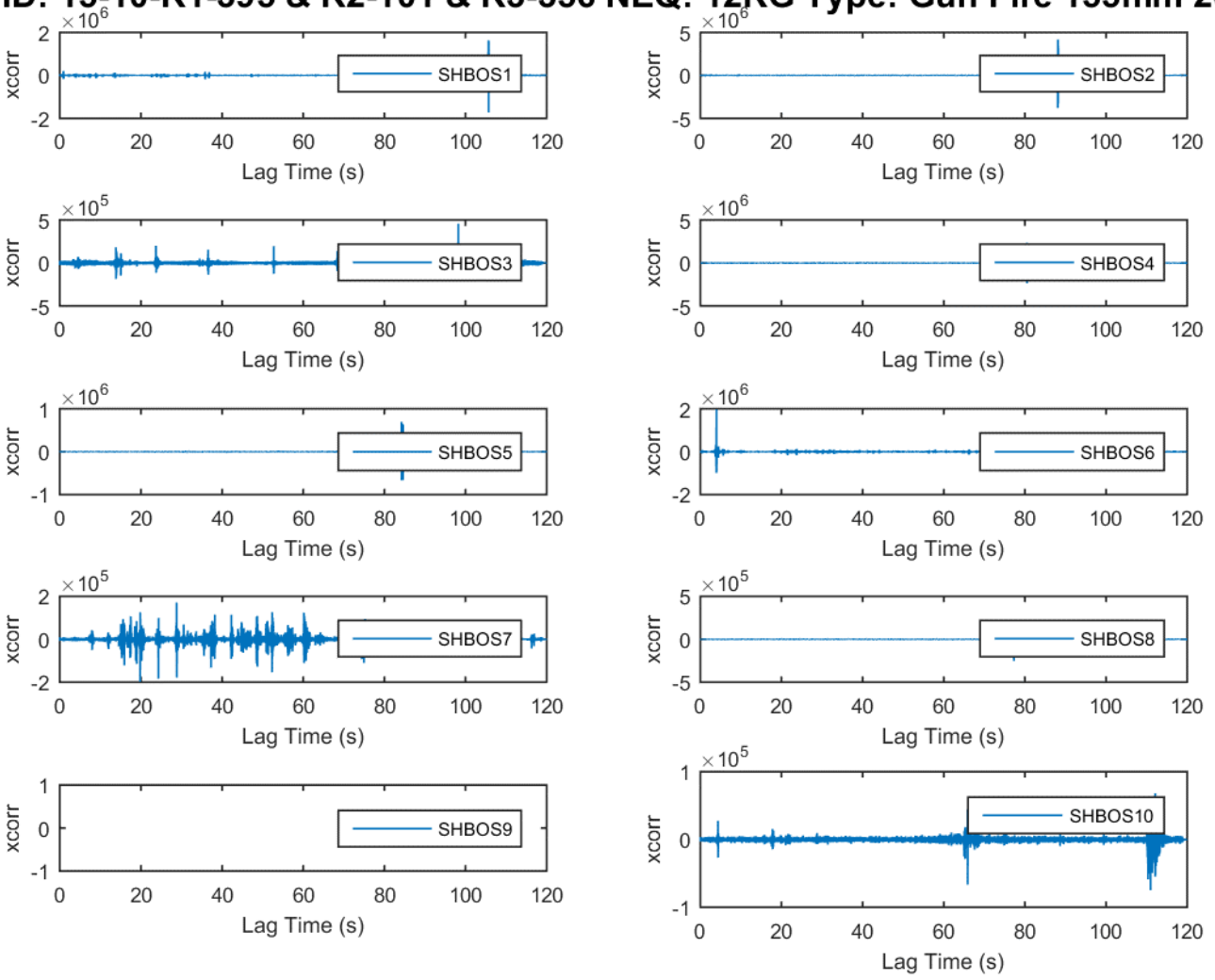


FIGURE 2.1542: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-395 & R2-101 & R3-356

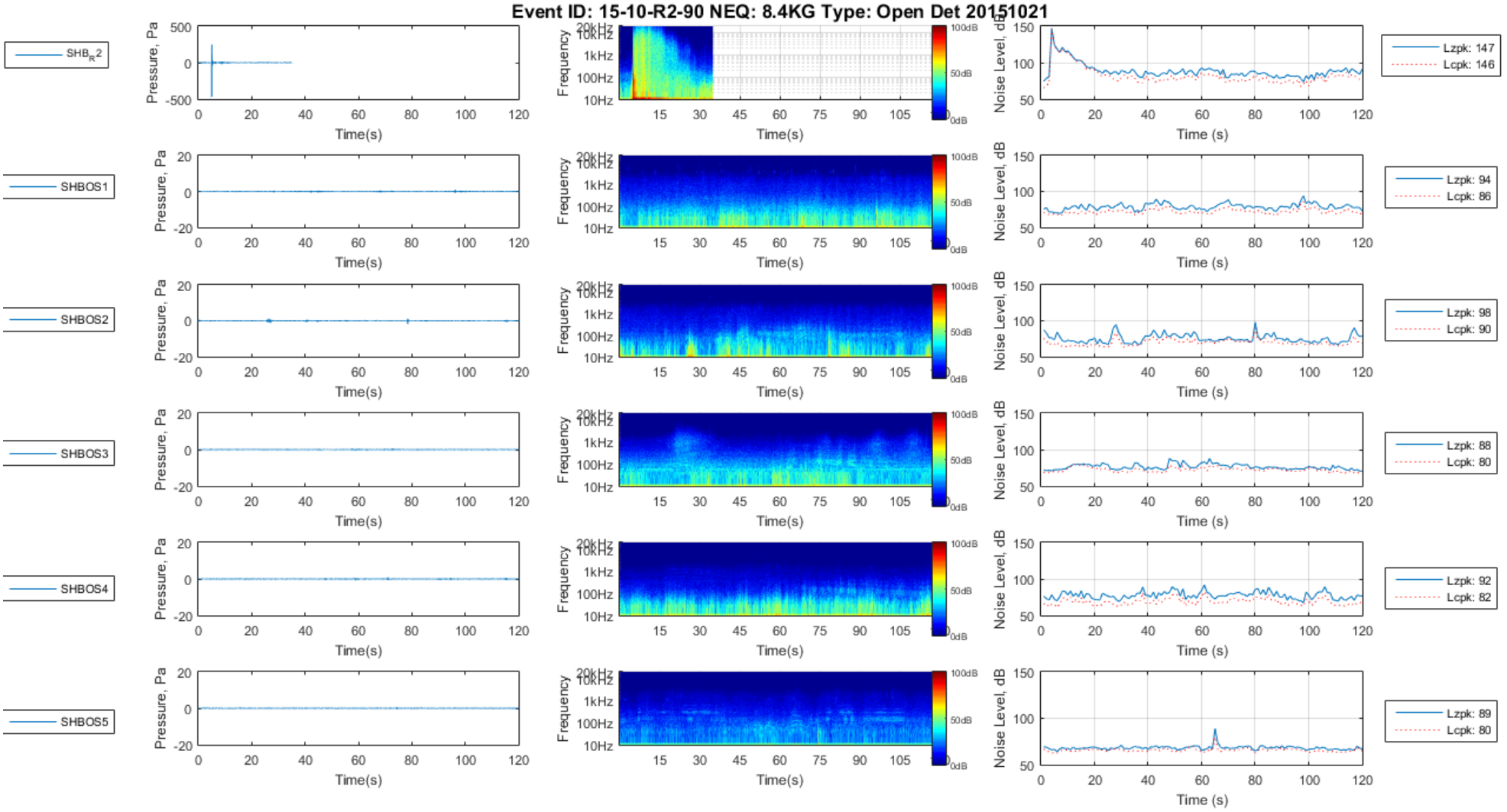


FIGURE 2.1543: SHB_OS 1 - 5 15-10-R2-90

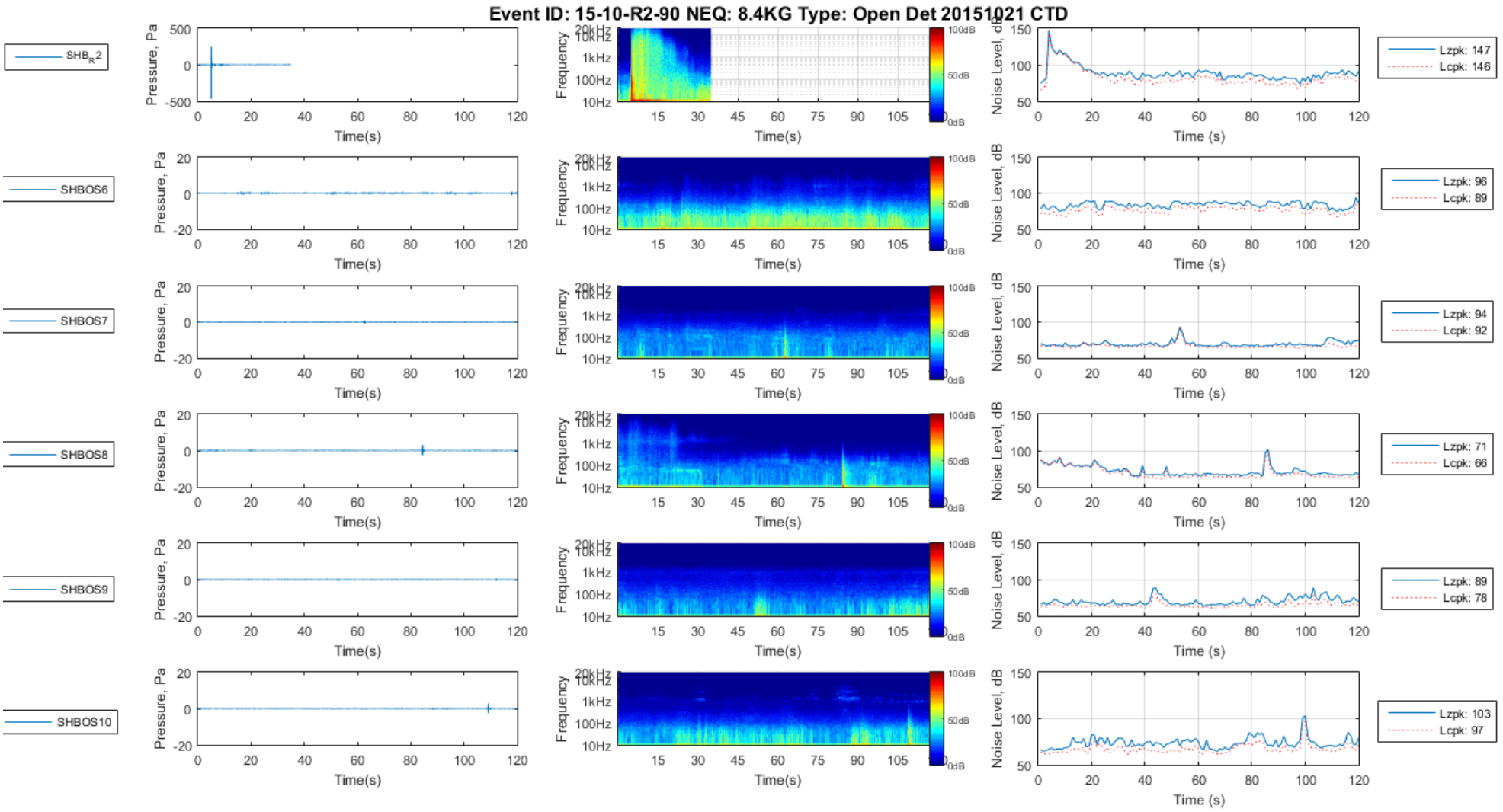


FIGURE 2.1544: SHB_OS 6 - 10 15-10-R2-90

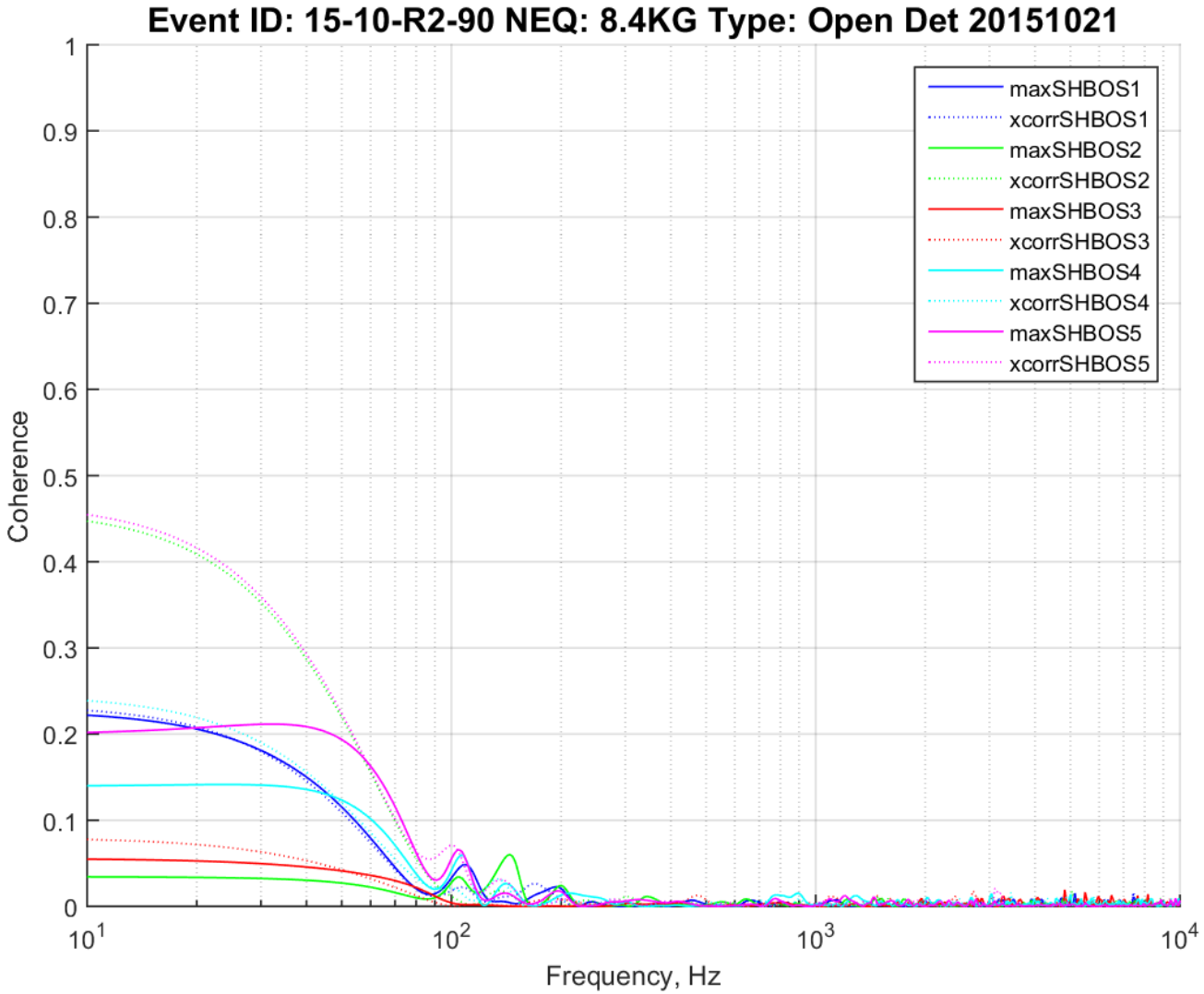


FIGURE 2.1545: COHERENCE SHB_OS 1 - 5 15-10-R2-90

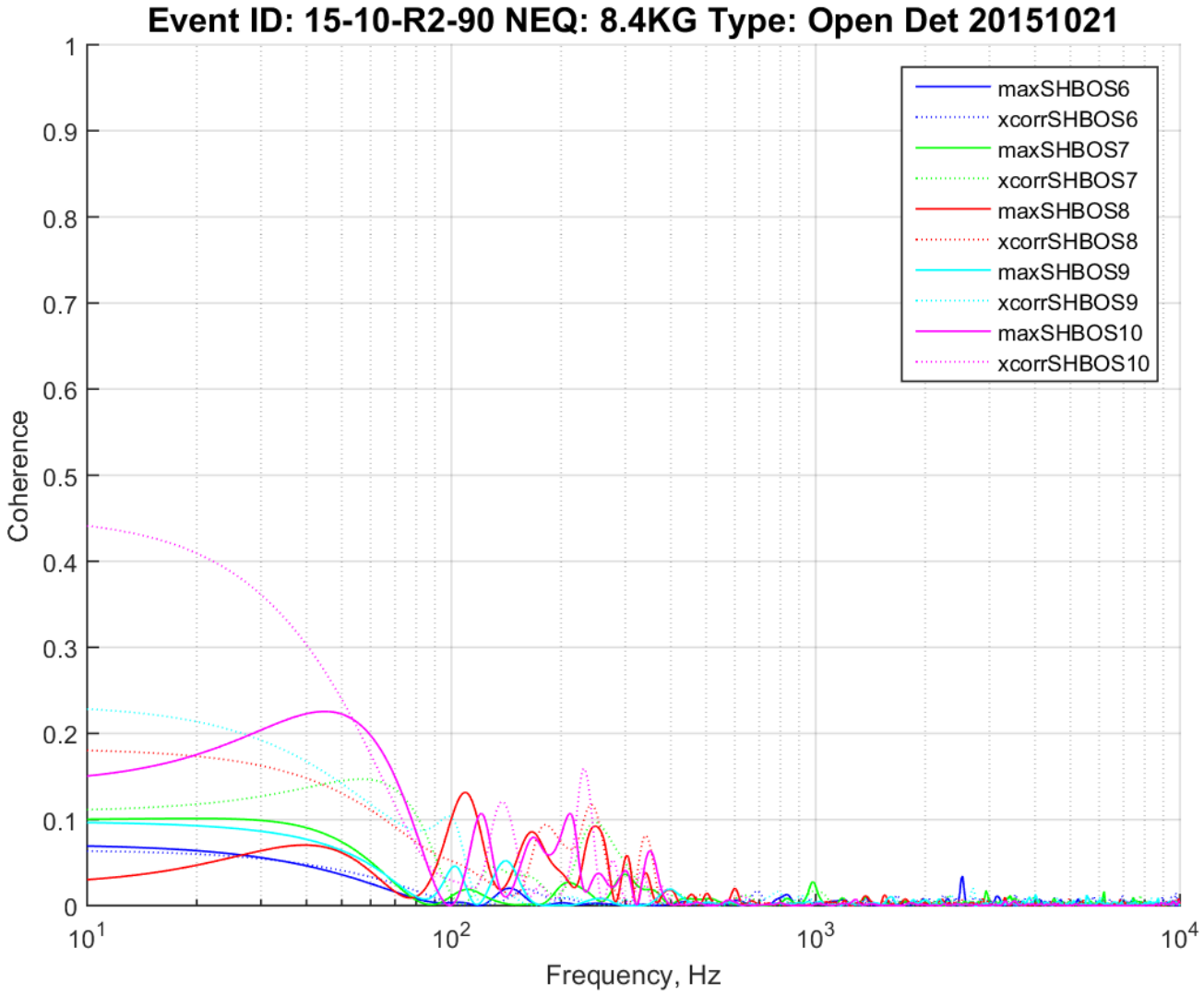


FIGURE 2.1546: COHERENCE SHB_OS 6 - 10 15-10-R2-90CTD

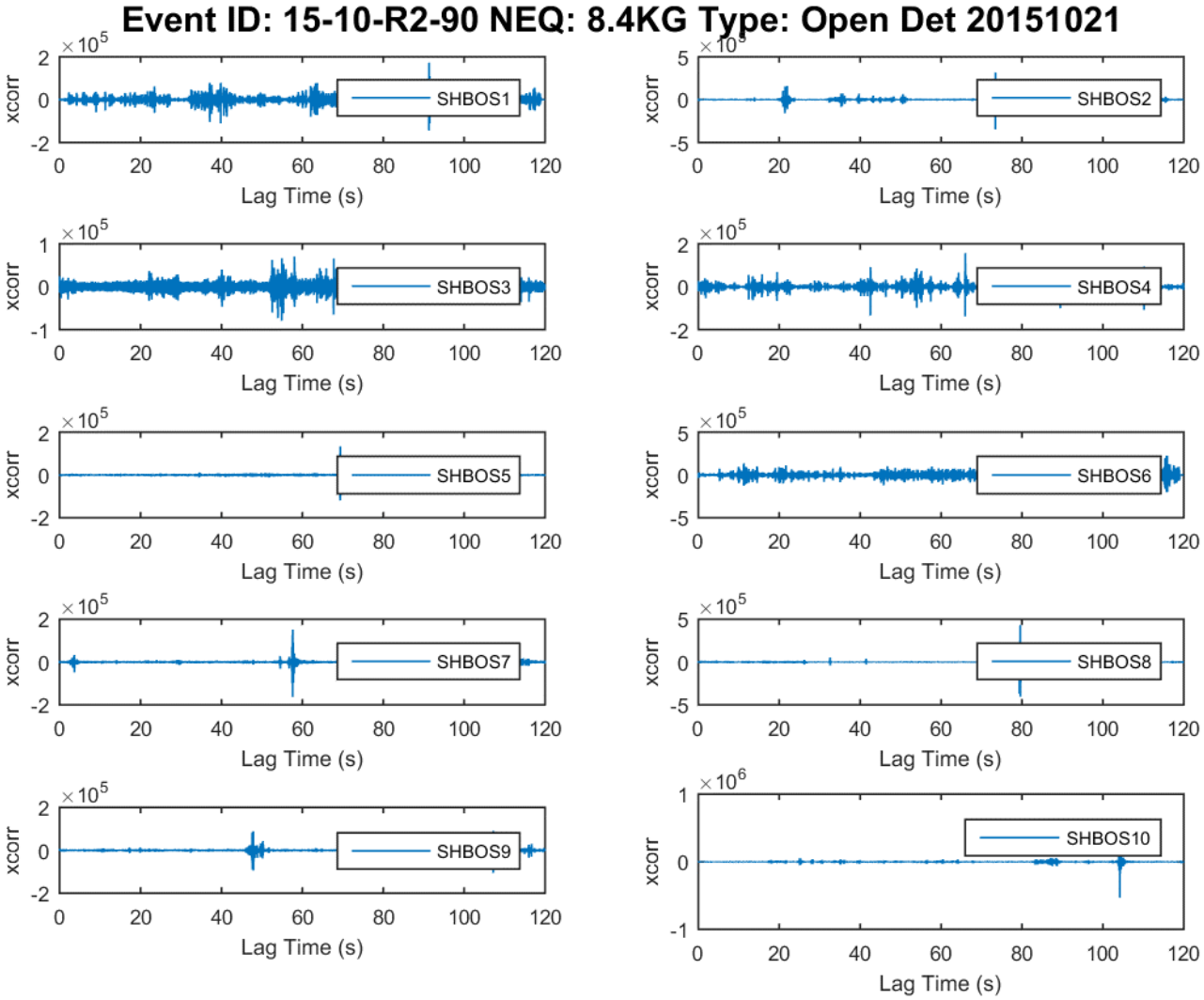


FIGURE 2.1547: CROSS CORRELATION SHB_OS 1 - 10 15-10-R2-90

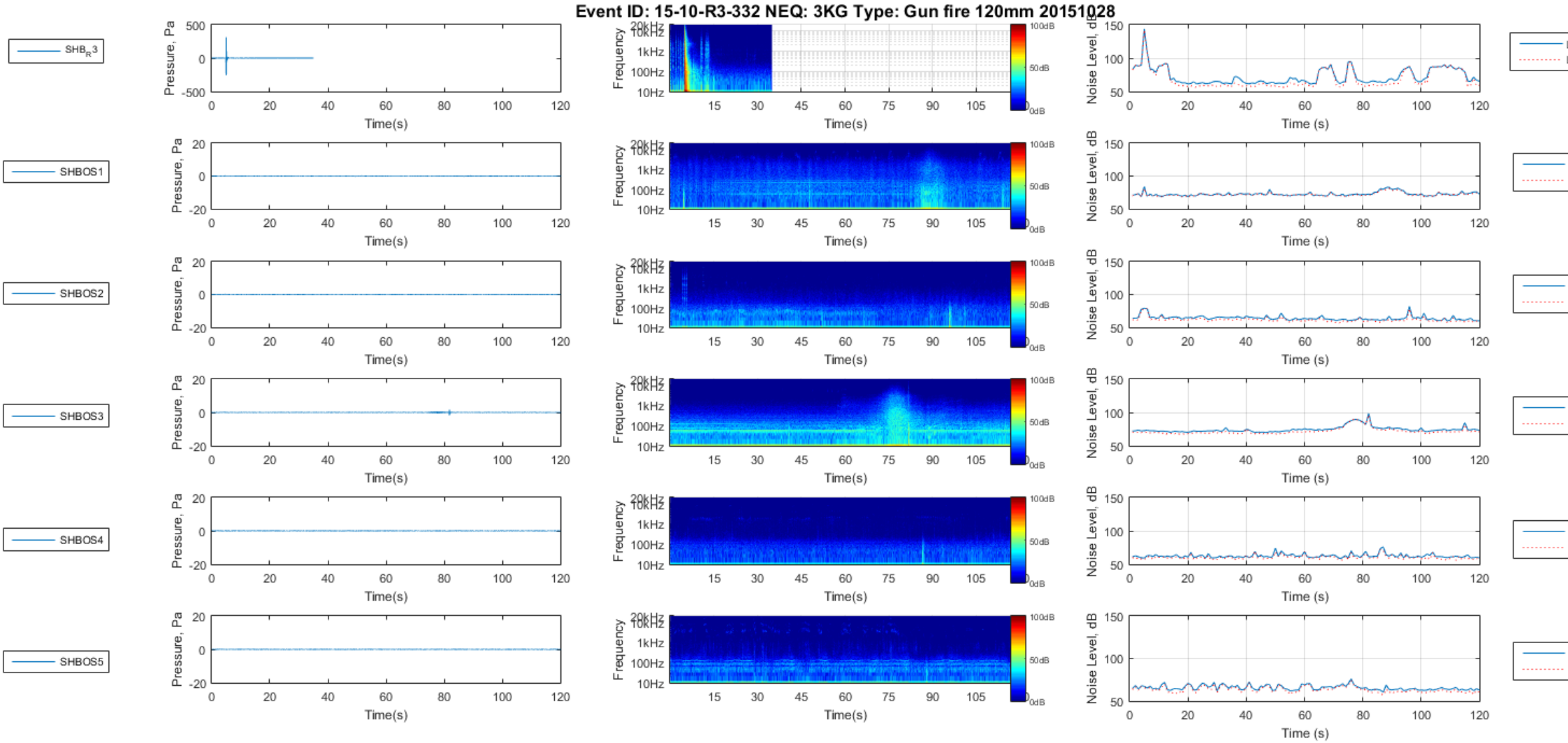


FIGURE 2.1548: SHB_OS 1 - 5 15-10-R3-332

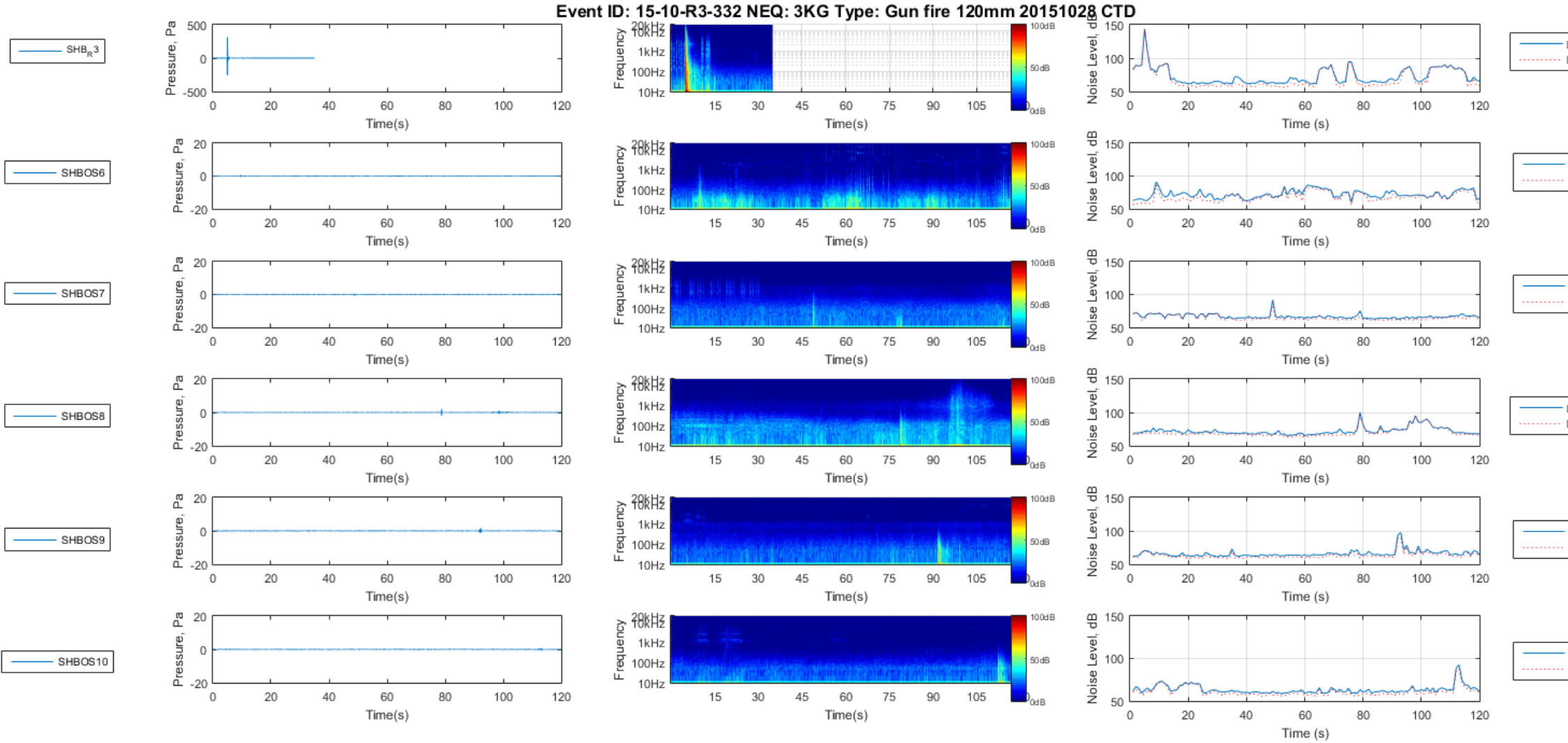


FIGURE 2.1549: SHB_OS 6 - 10 15-10-R3-332

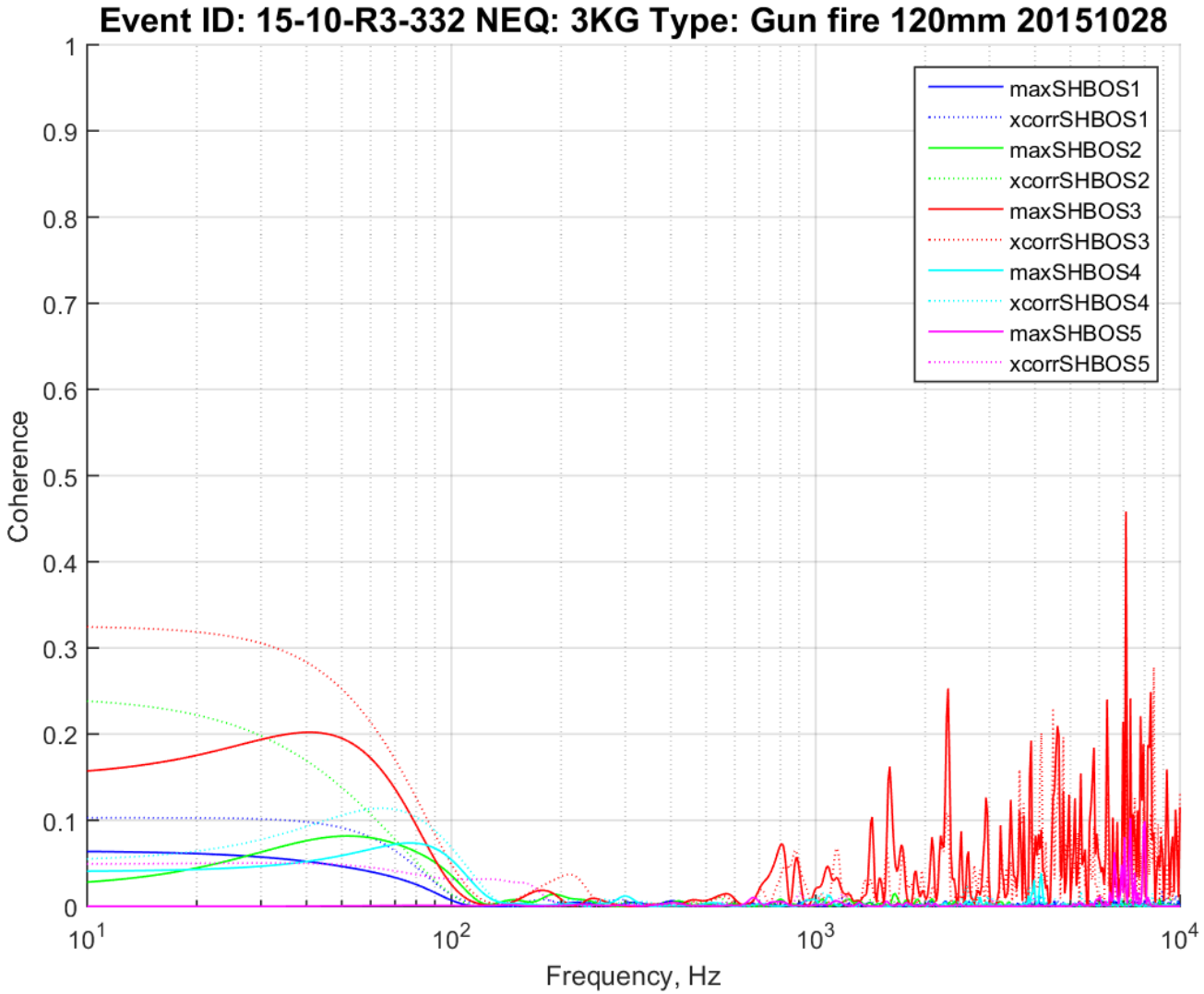


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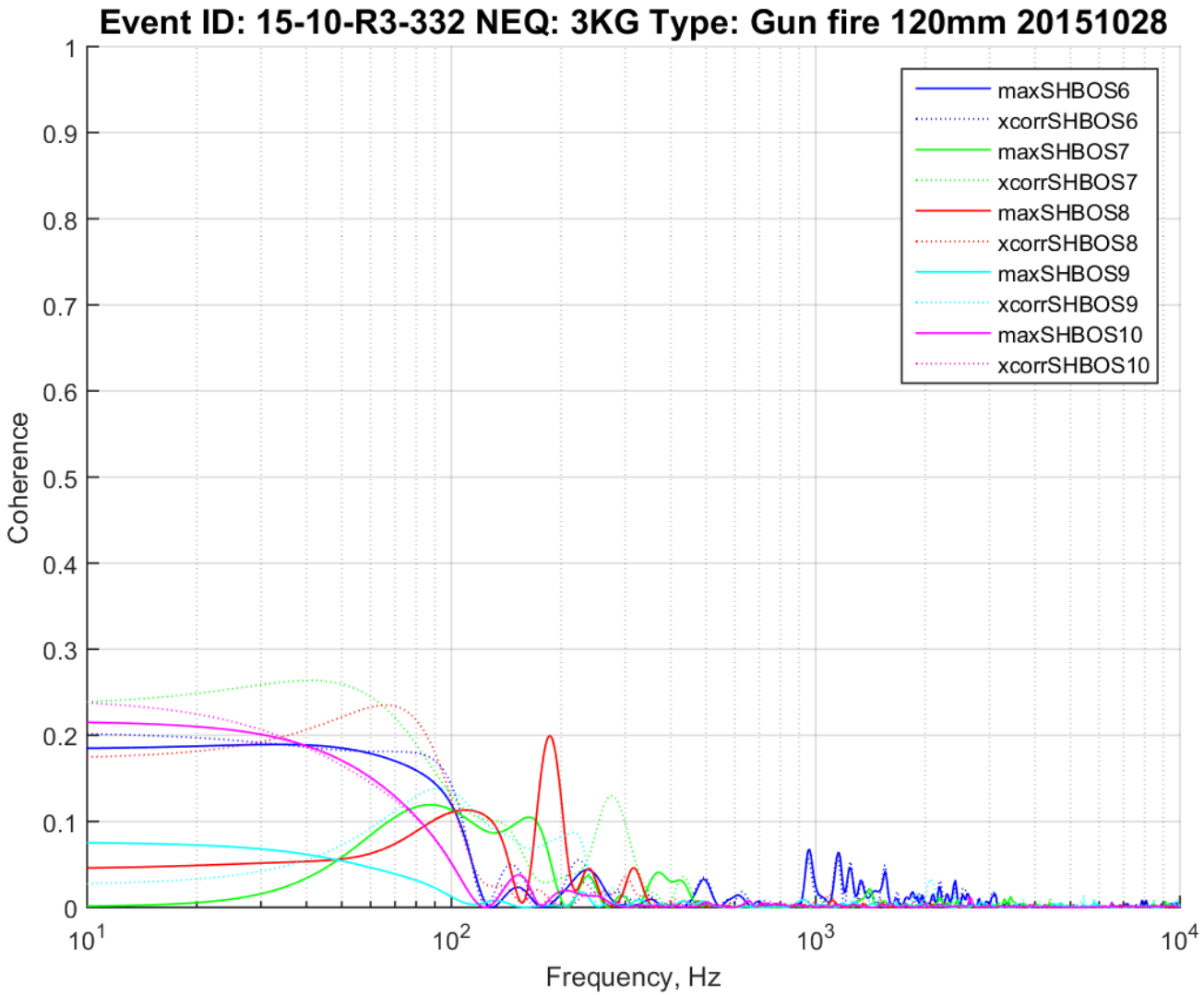


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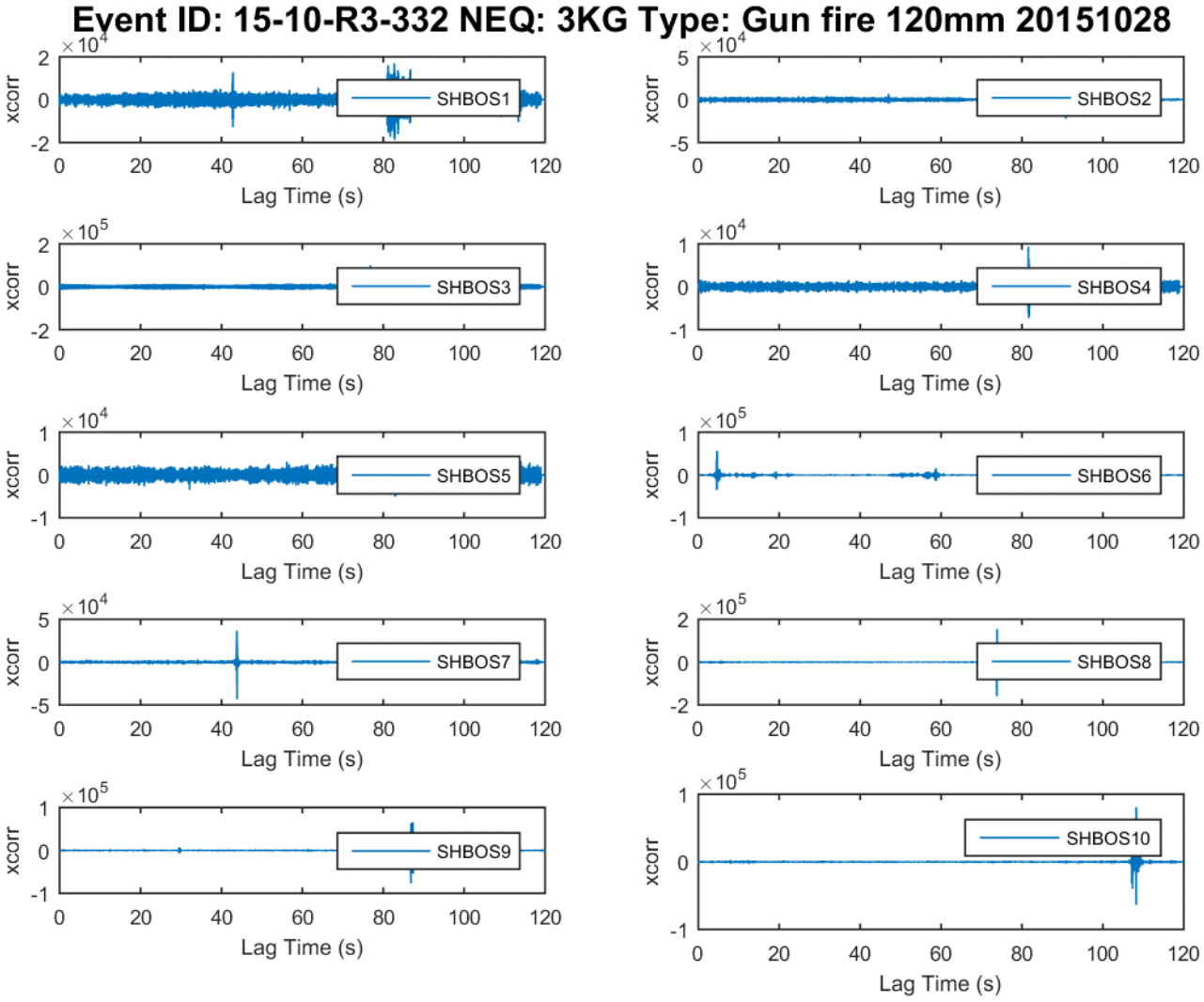


FIGURE 2.1552: CROSS CORRELATION SHB_OS 1 - 10 15-10-R3-332

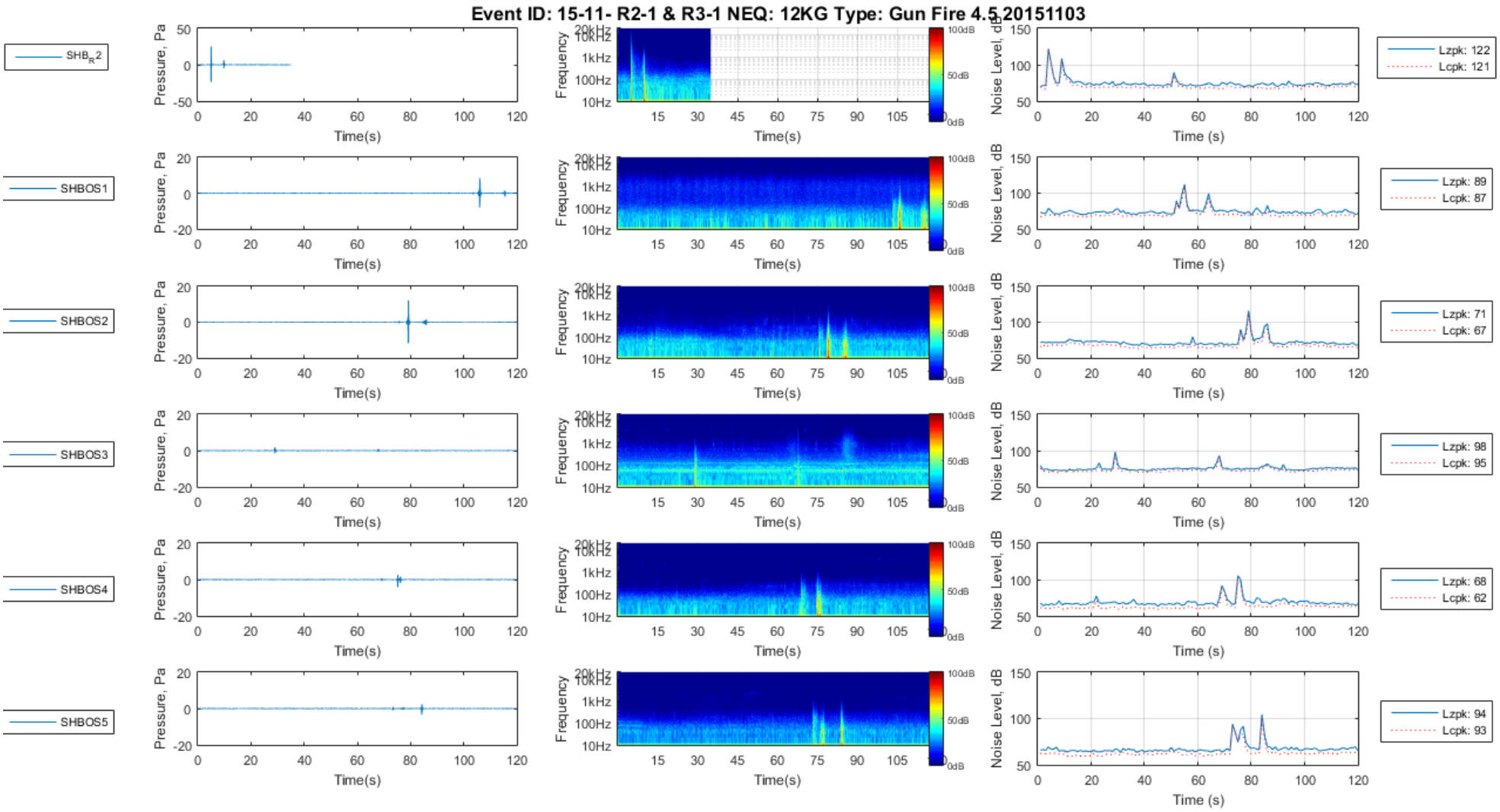


FIGURE 2.1553: SHB_OS 1 - 5 15-11- R2-1 & R3-1

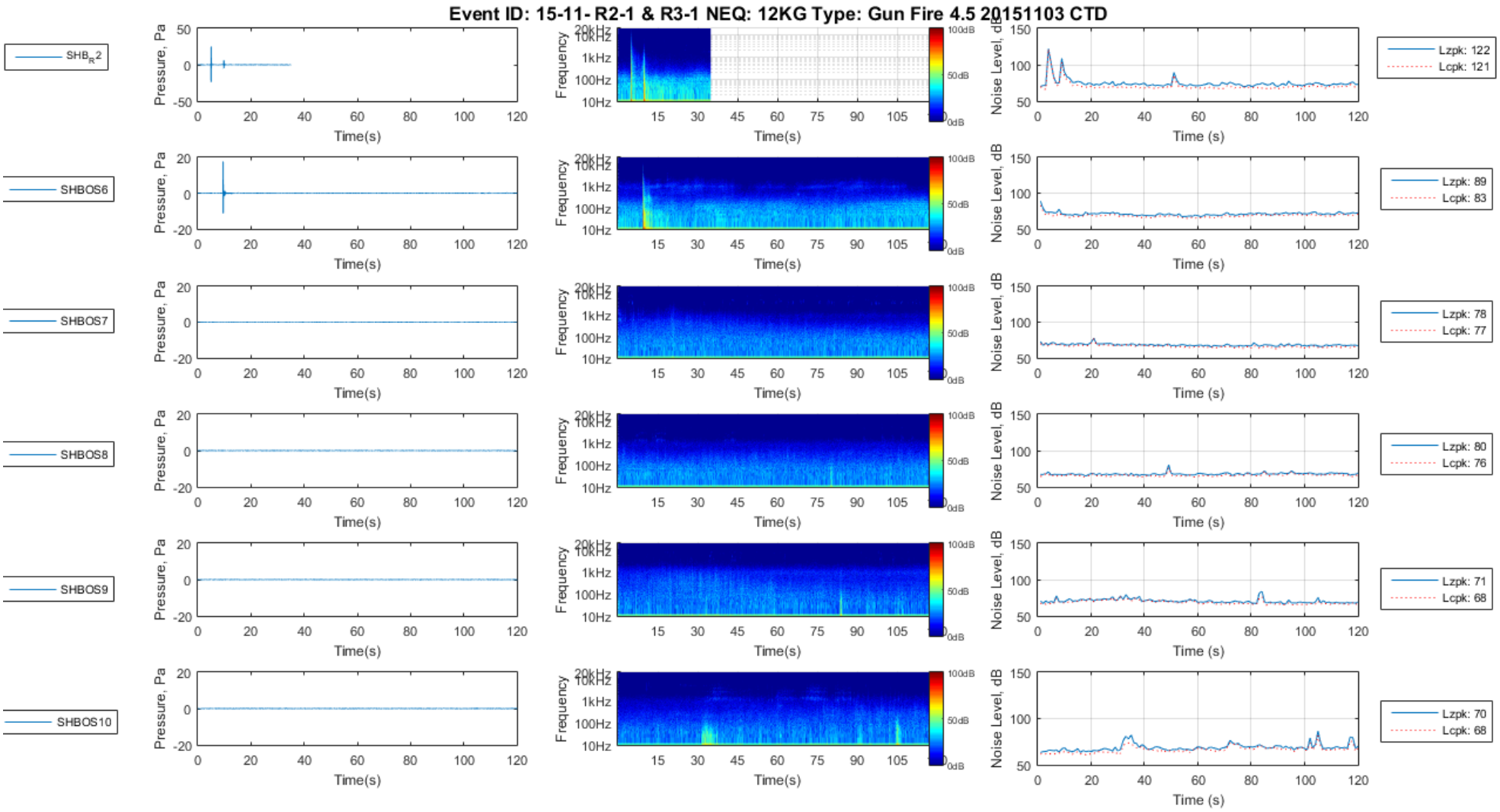


FIGURE 2.1554: SHB_OS 6 - 10 15-11- R2-1 & R3-1

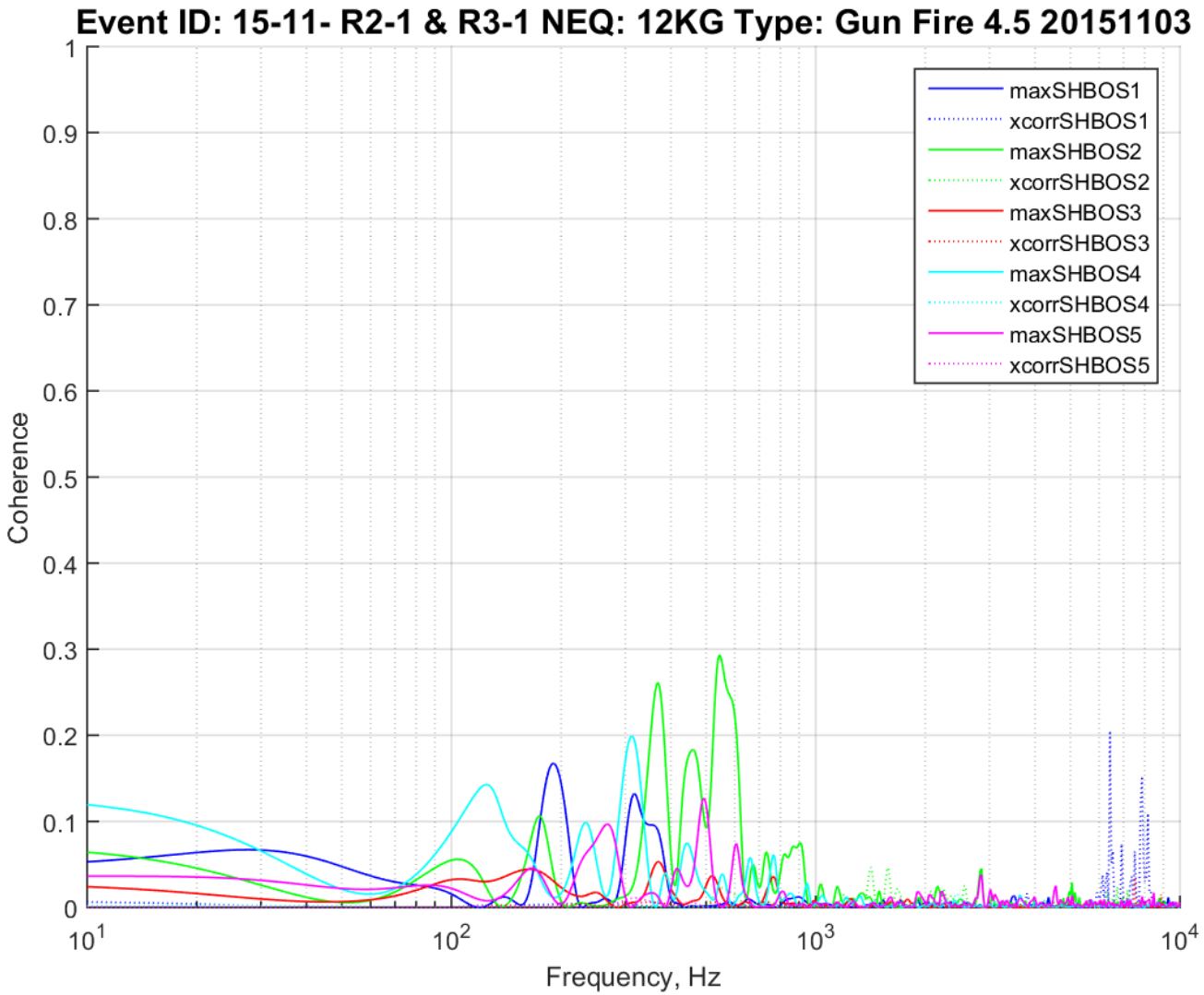


FIGURE 2.1555: COHERENCE SHB_OS 1 - 5 15-11- R2-1 & R3-1

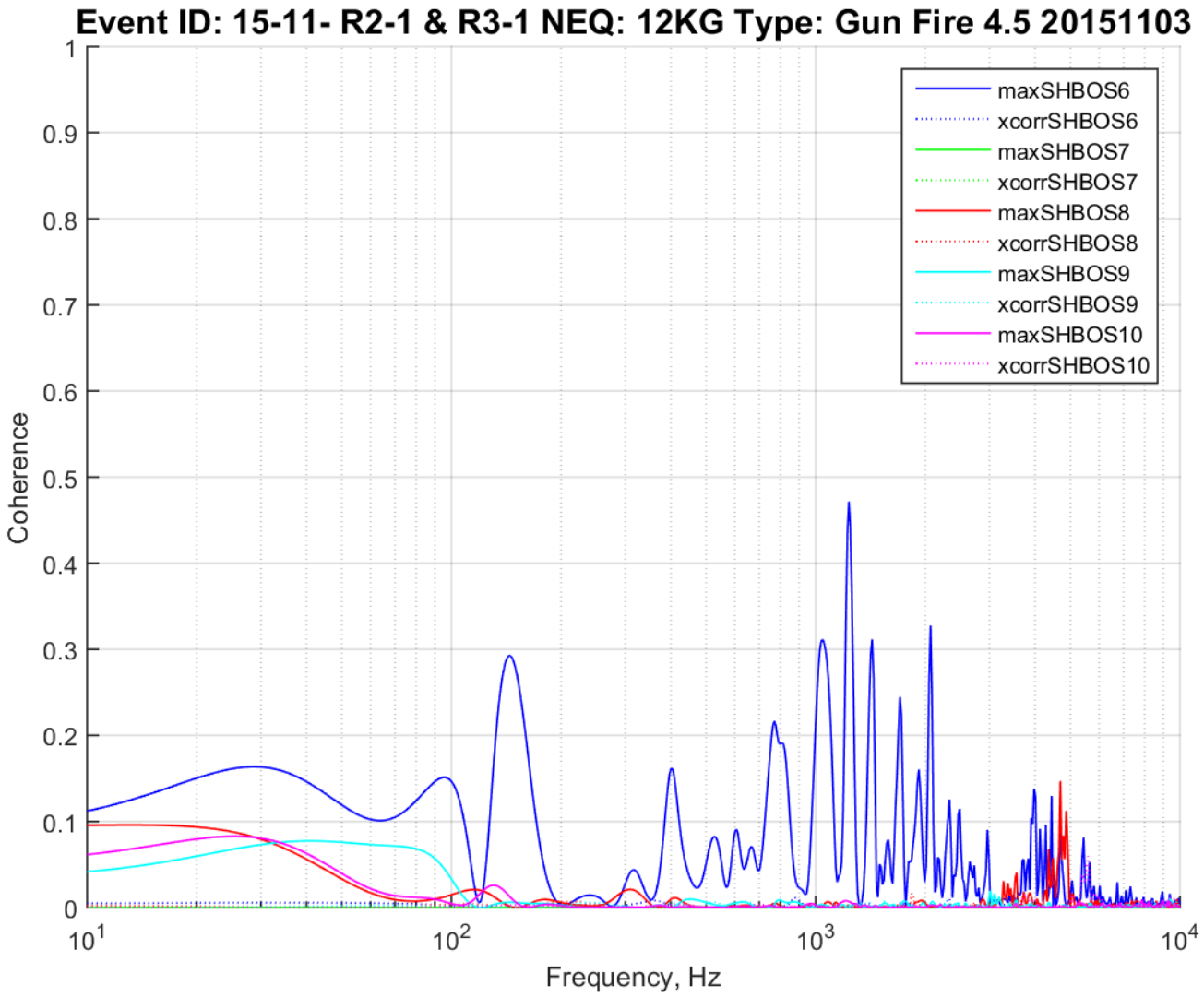


FIGURE 2.1556: COHERENCE SHB_OS 6 - 10 15-11- R2-1 & R3-1CTD

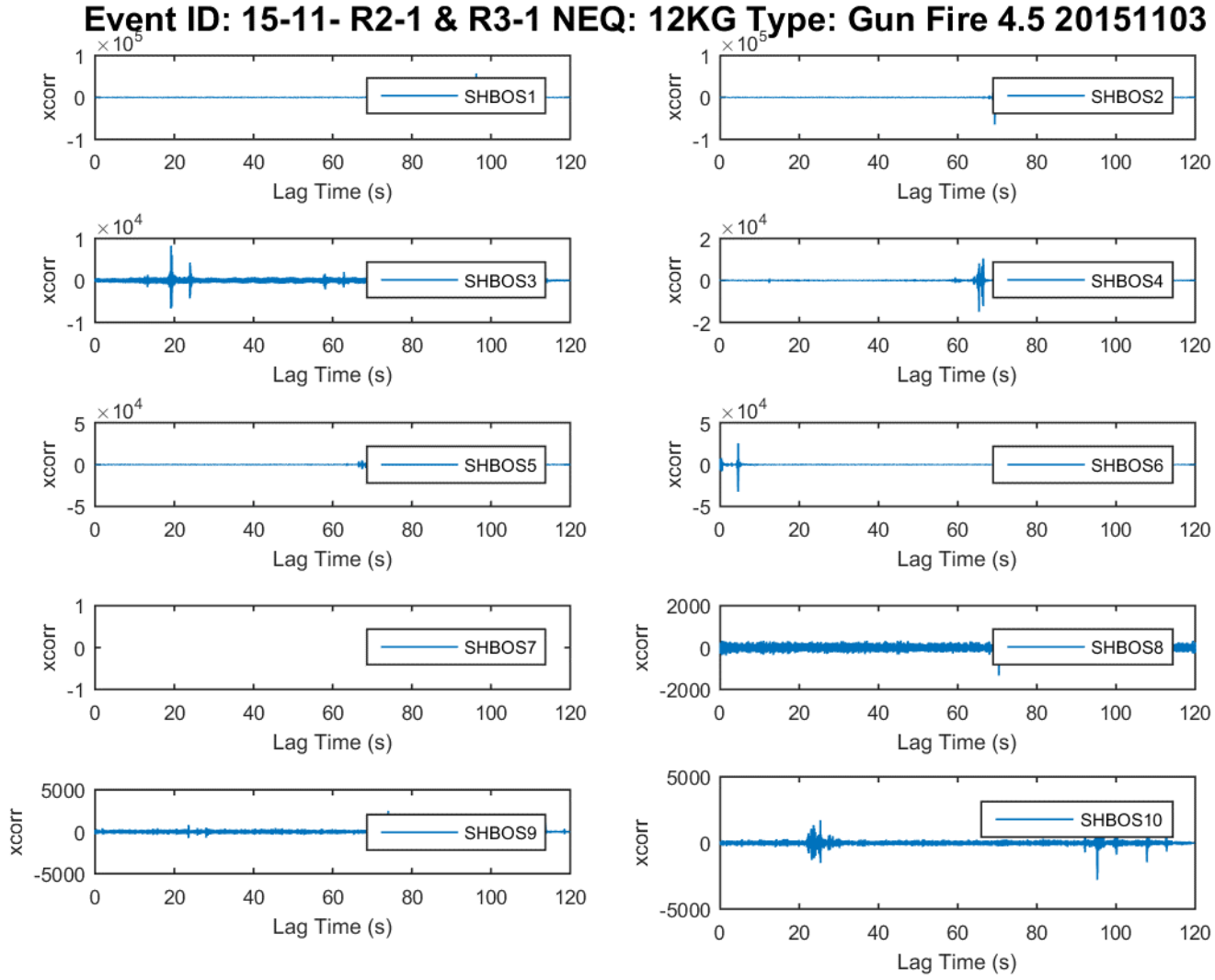


FIGURE 2.1557: CROSS CORRELATION SHB_OS 1 - 10 15-11- R2-1 & R3-1

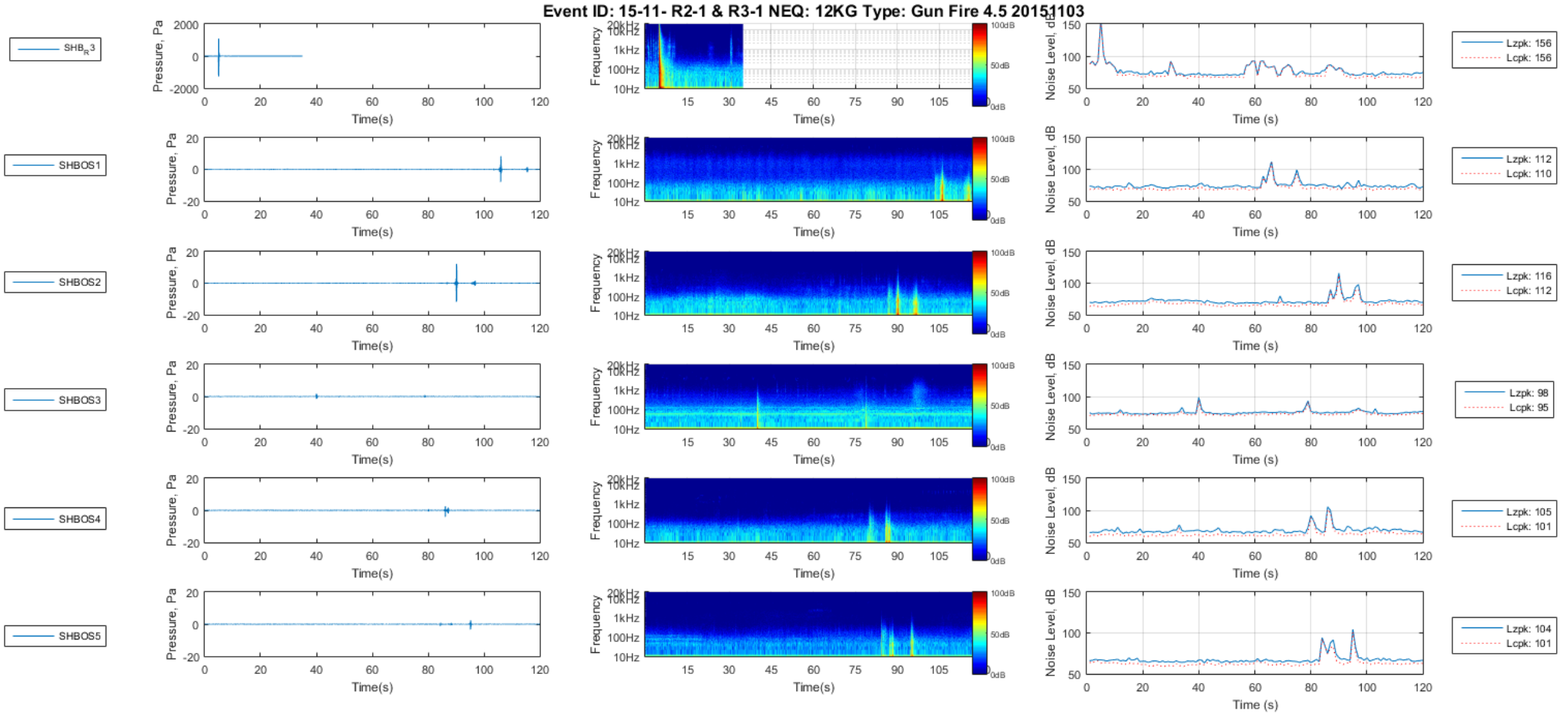


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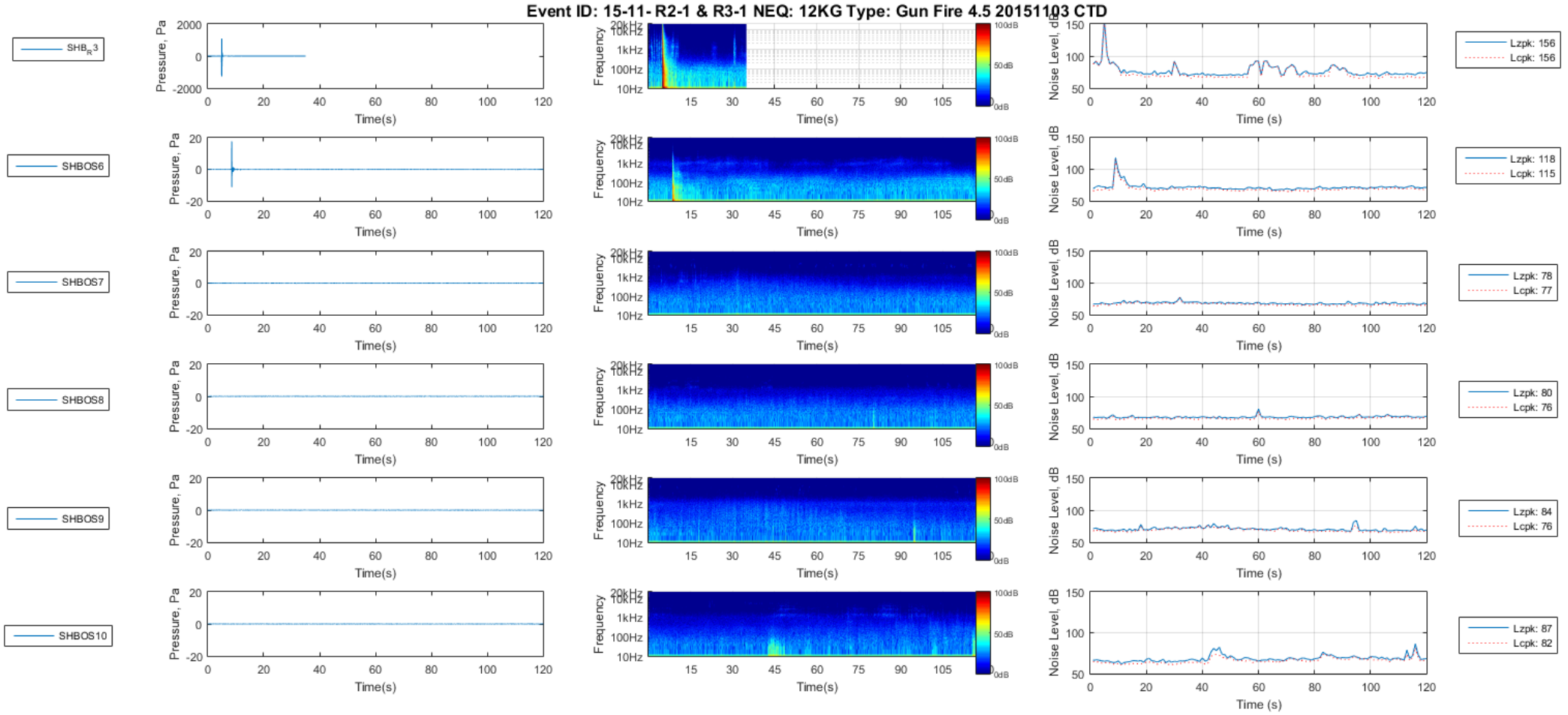


FIGURE 2.1559: SHB_OS 6 - 10 15-11- R2-1 & R3-1

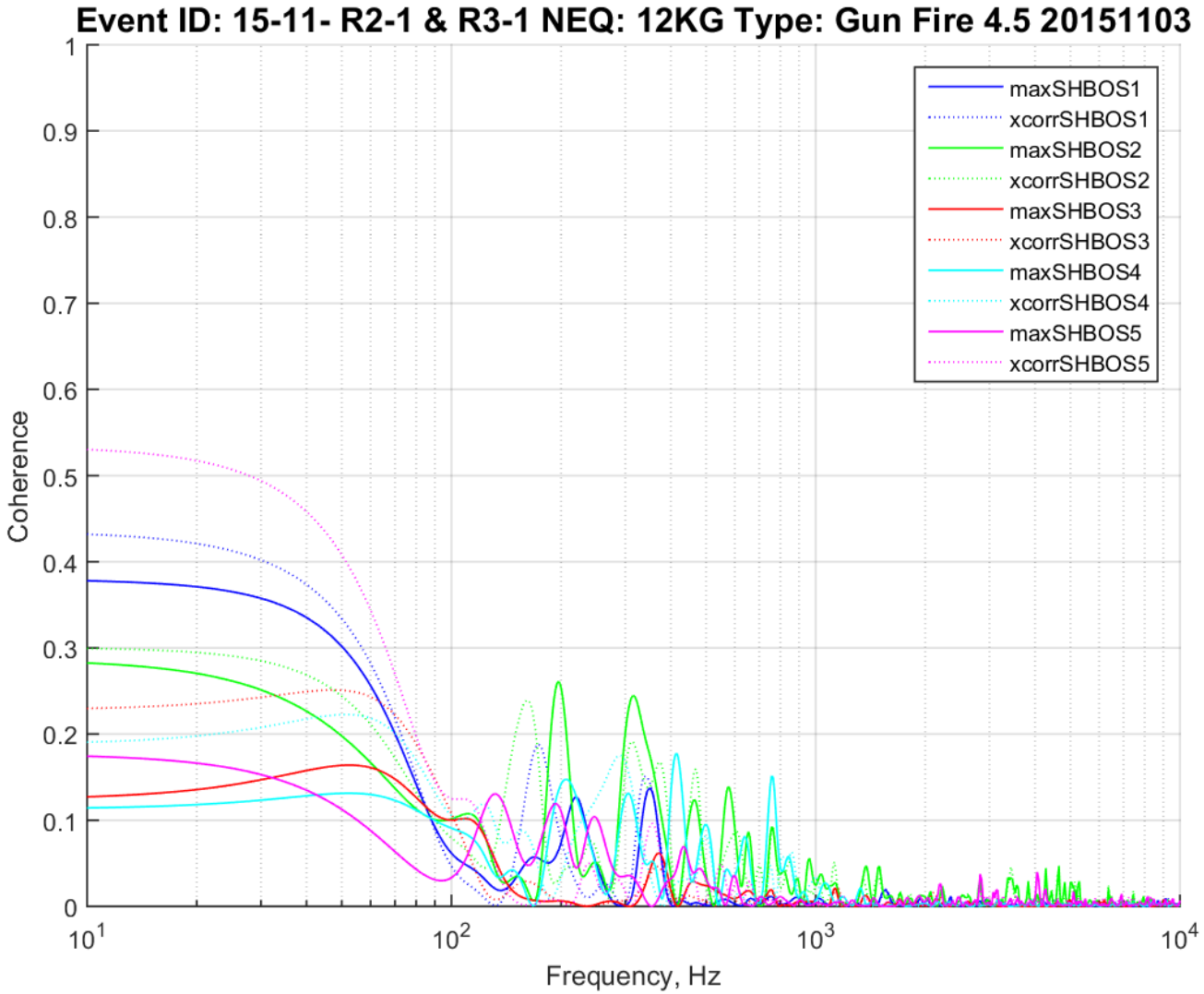


FIGURE 2.1560: COHERENCE SHB_OS 1 - 5 15-11- R2-1 & R3-1

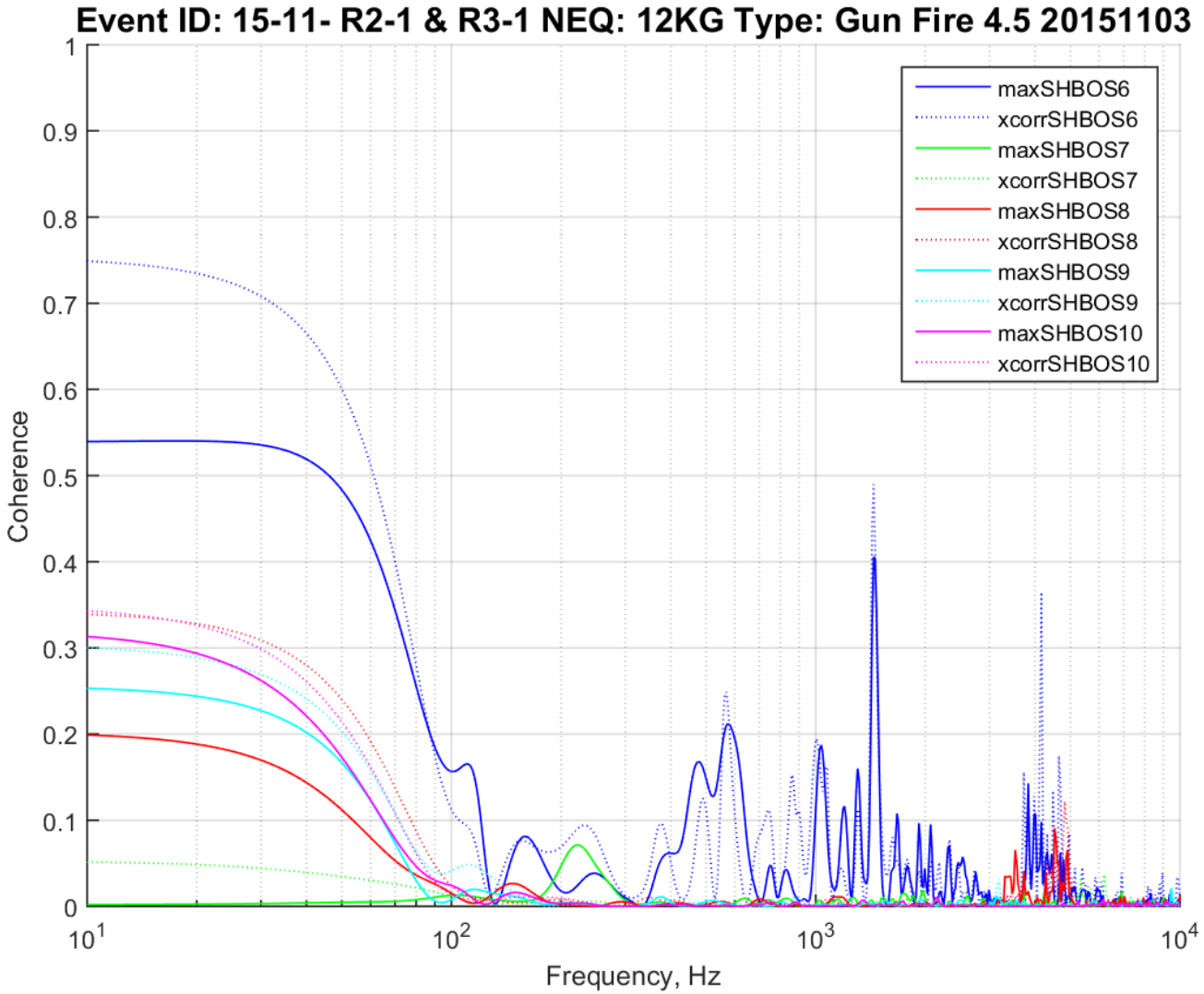


FIGURE 2.1561: COHERENCE SHB_OS 6 - 10 15-11- R2-1 & R3-1CTD

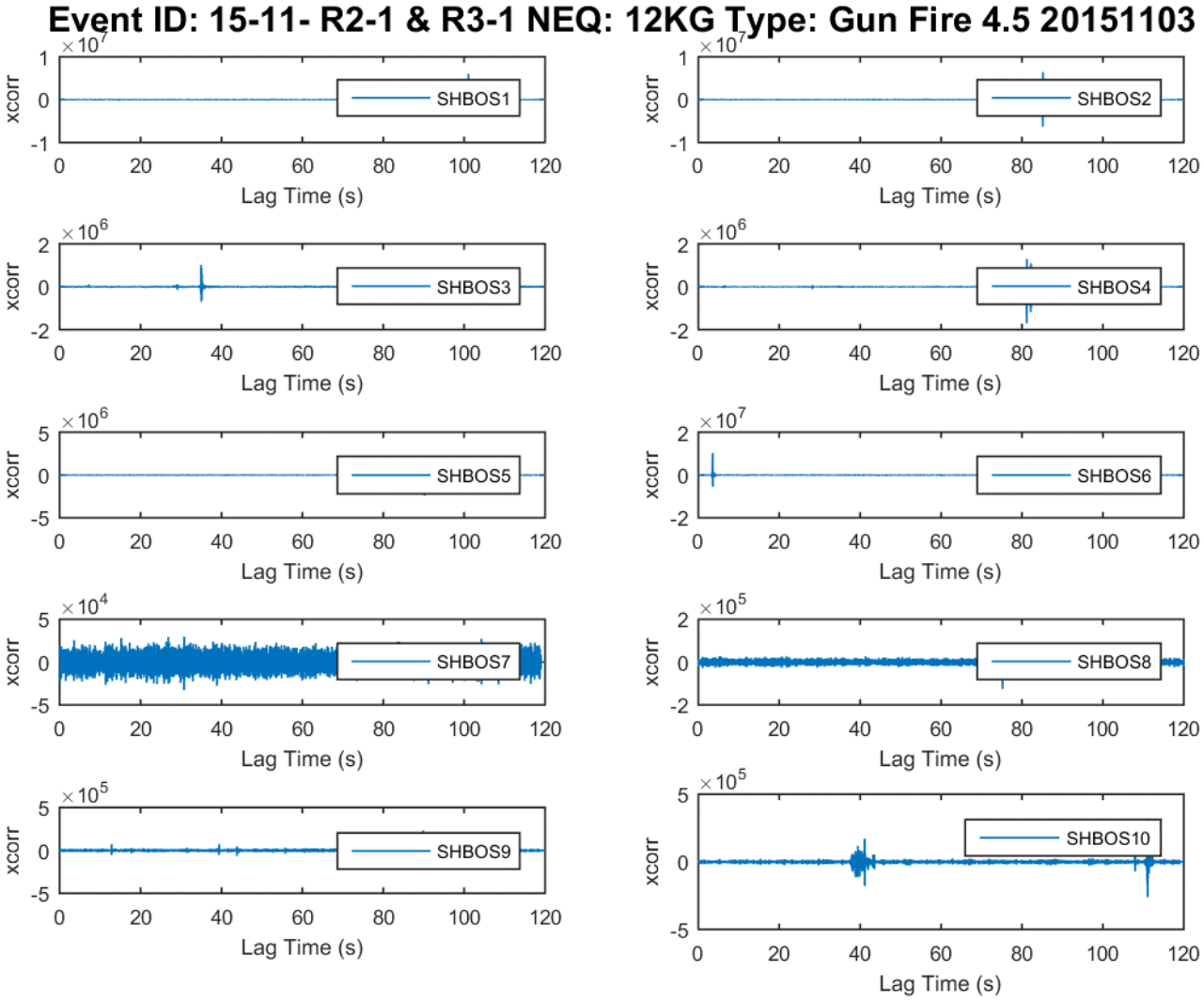


FIGURE 2.1562: CROSS CORRELATION SHB_OS 1 - 10 15-11- R2-1 & R3-1

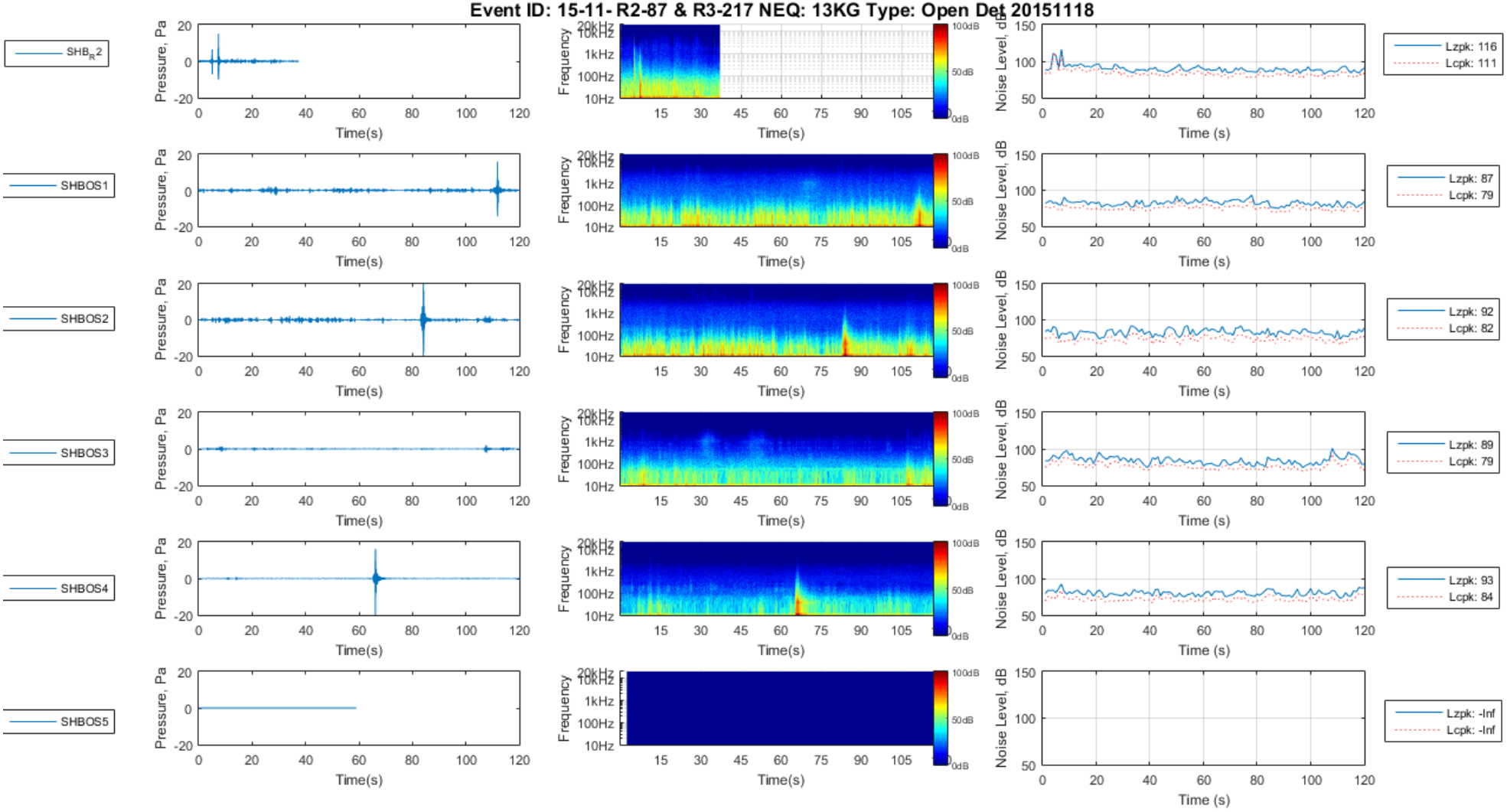


FIGURE 2.1563: SHB_OS 1 - 5 15-11- R2-87 & R3-217

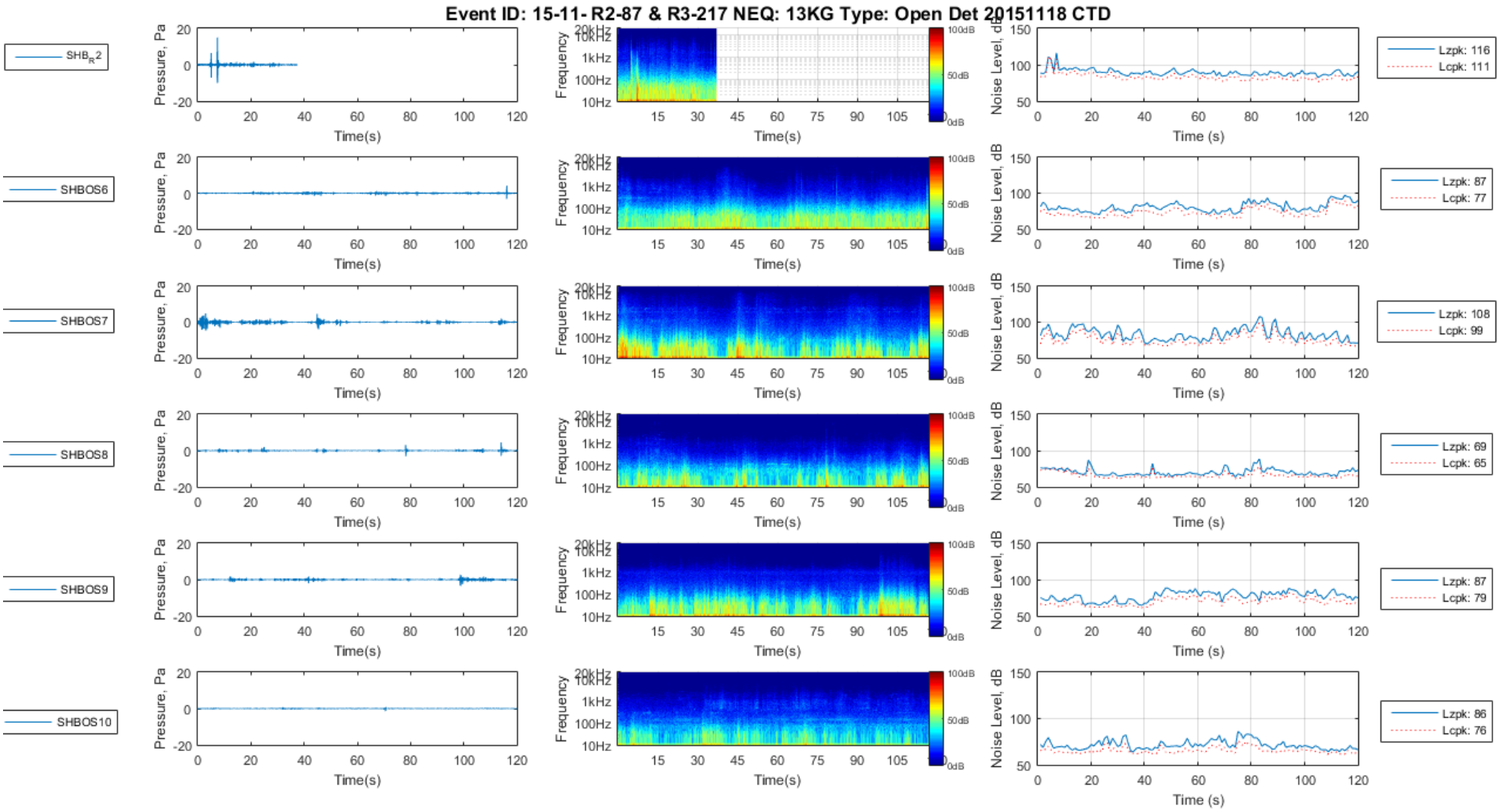


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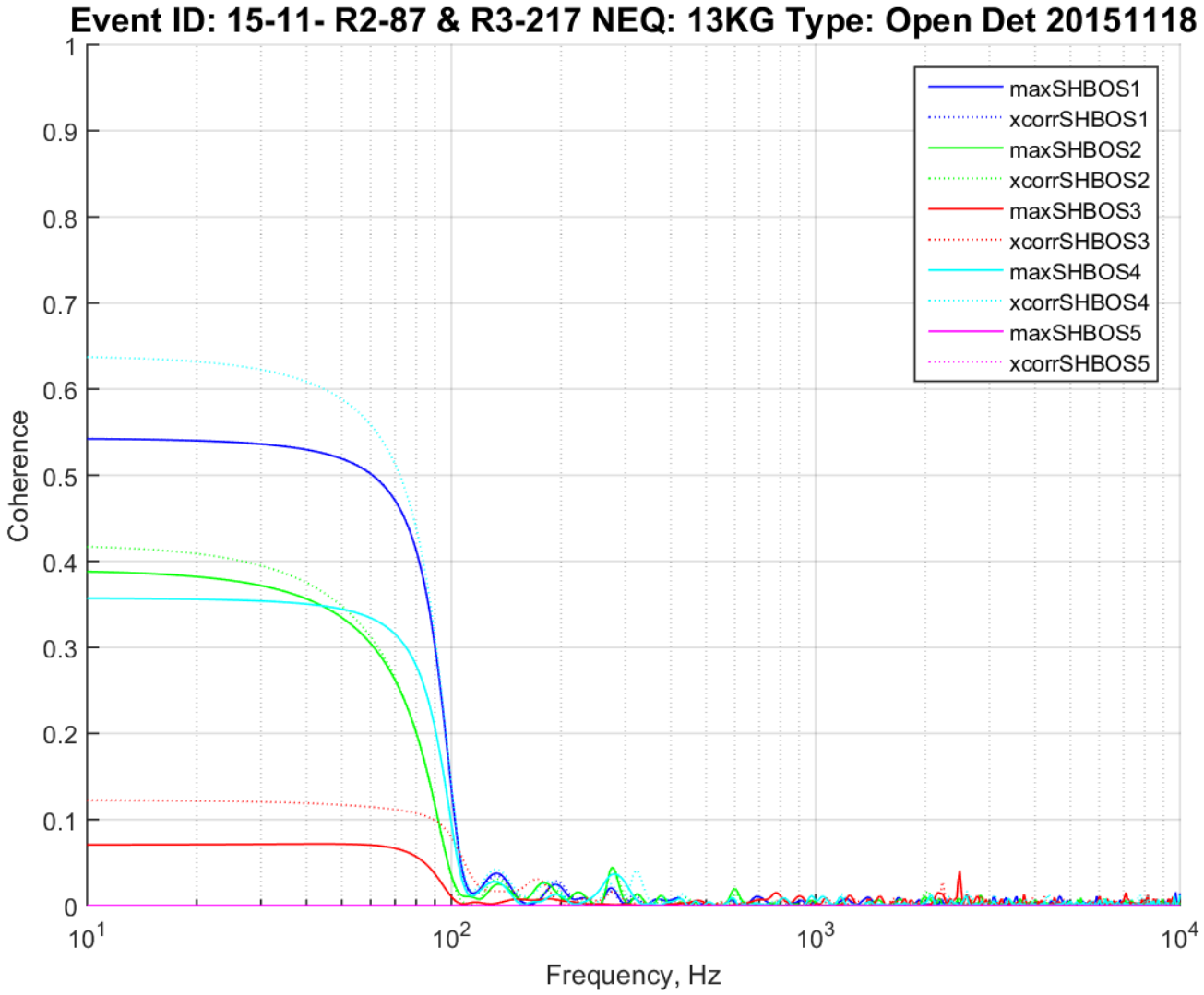


FIGURE 2.1565: COHERENCE SHB_OS 1 - 5 15-11- R2-87 & R3-217

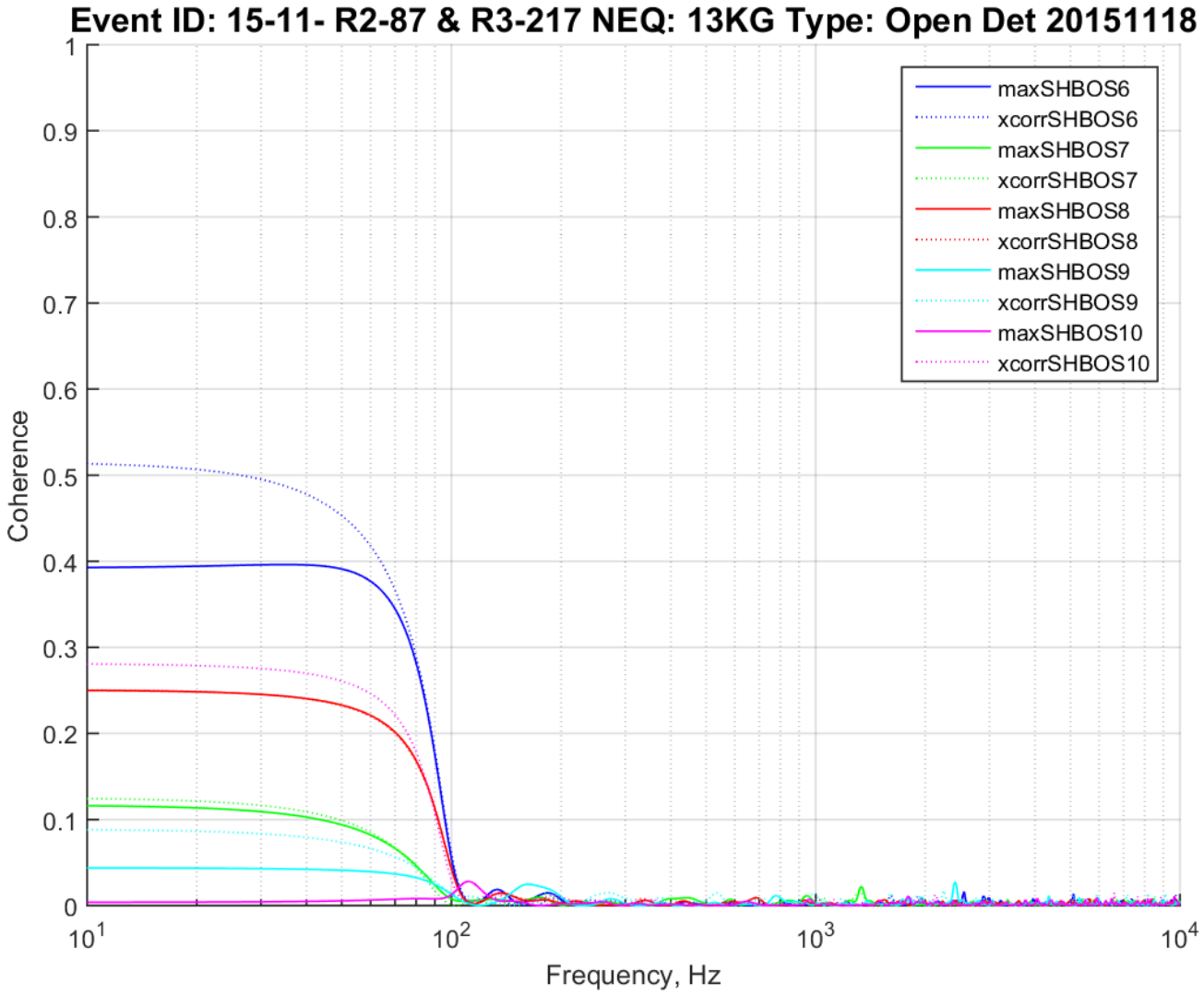


FIGURE 2.1566: COHERENCE SHB_OS 6 - 10 15-11- R2-87 & R3-217CTD

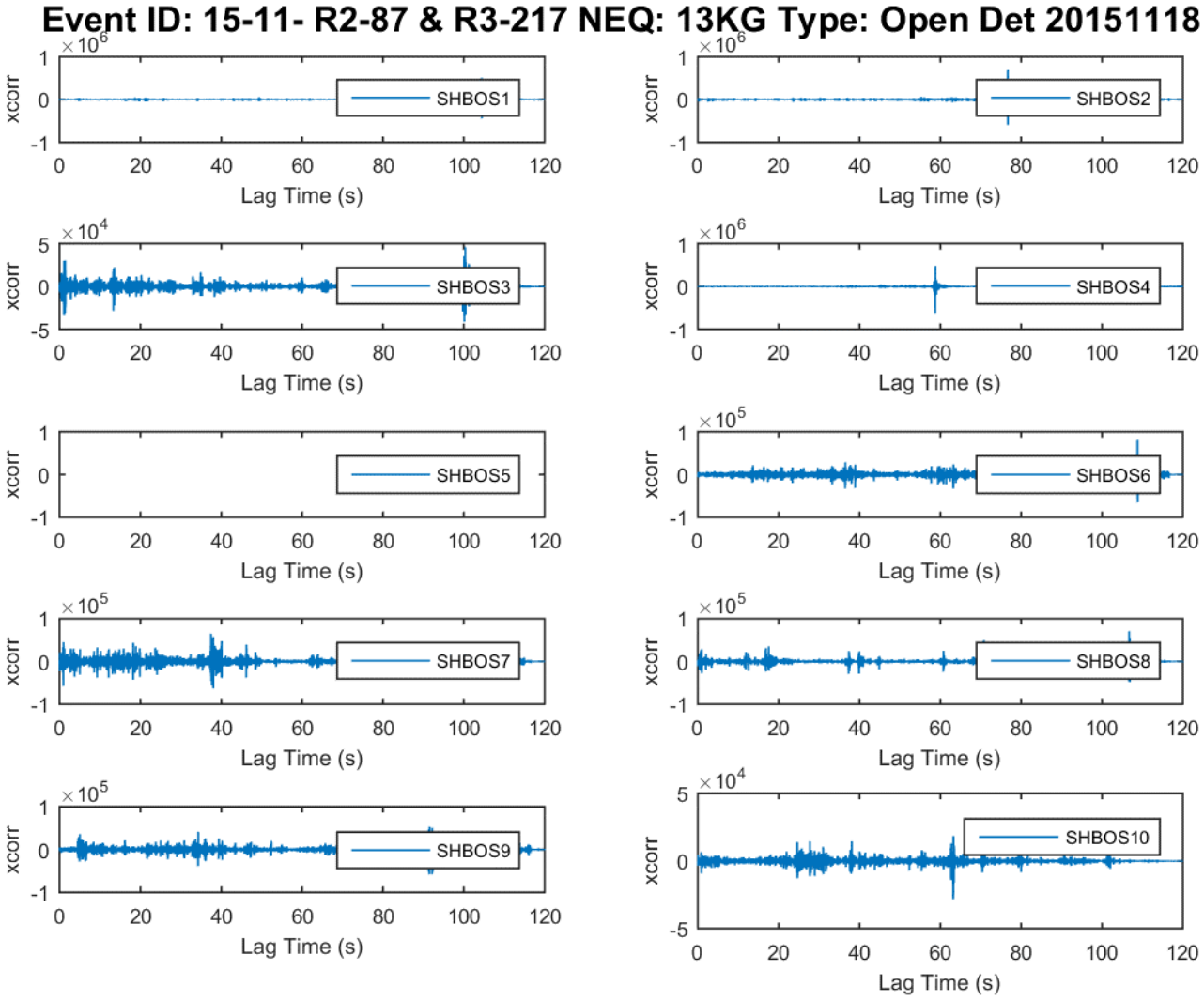


FIGURE 2.1567: CROSS CORRELATION SHB_OS 1 - 10 15-11- R2-87 & R3-217

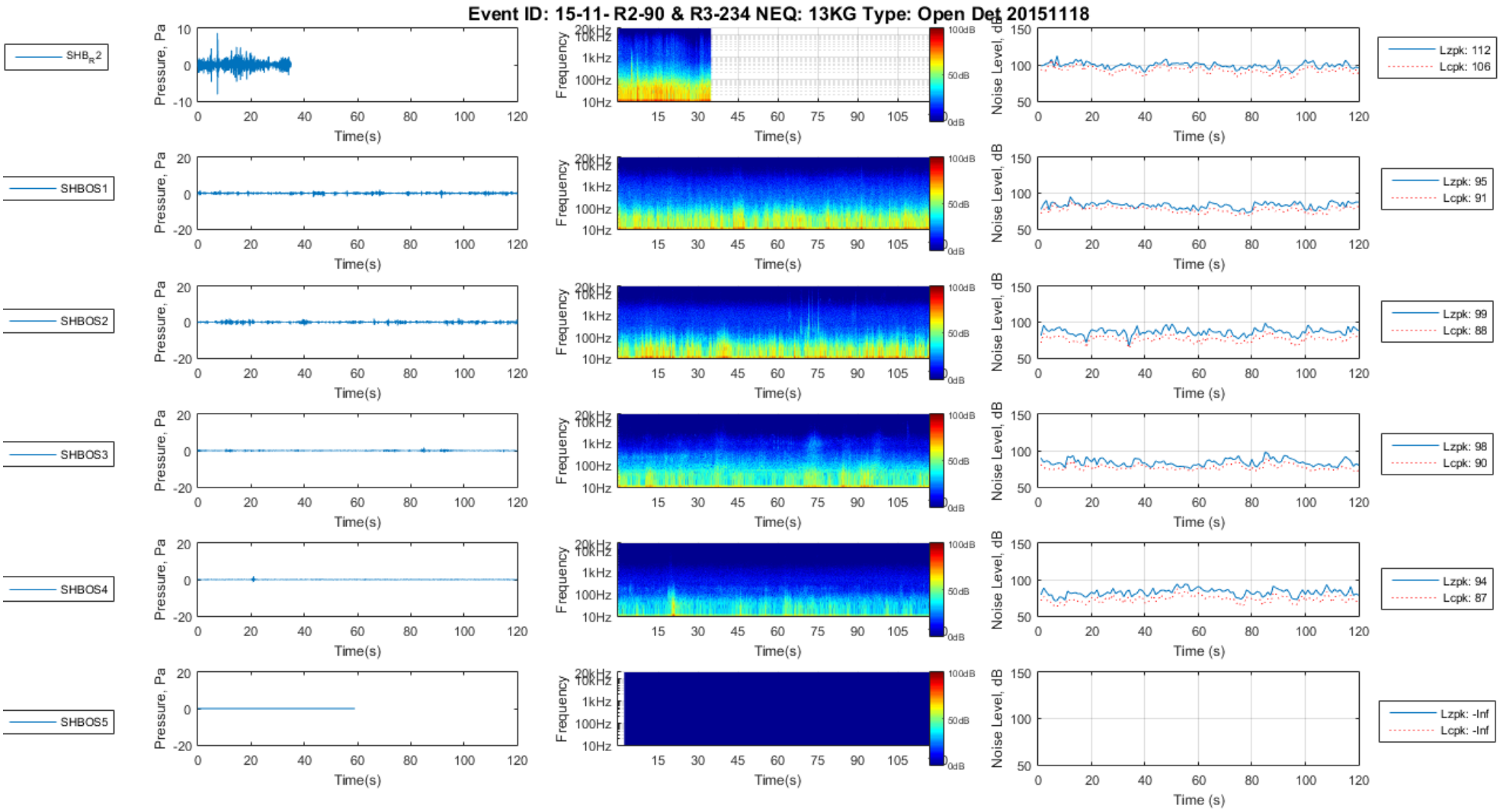


FIGURE 2.1568: SHB_OS 1 - 5 15-11- R2-90 & R3-234

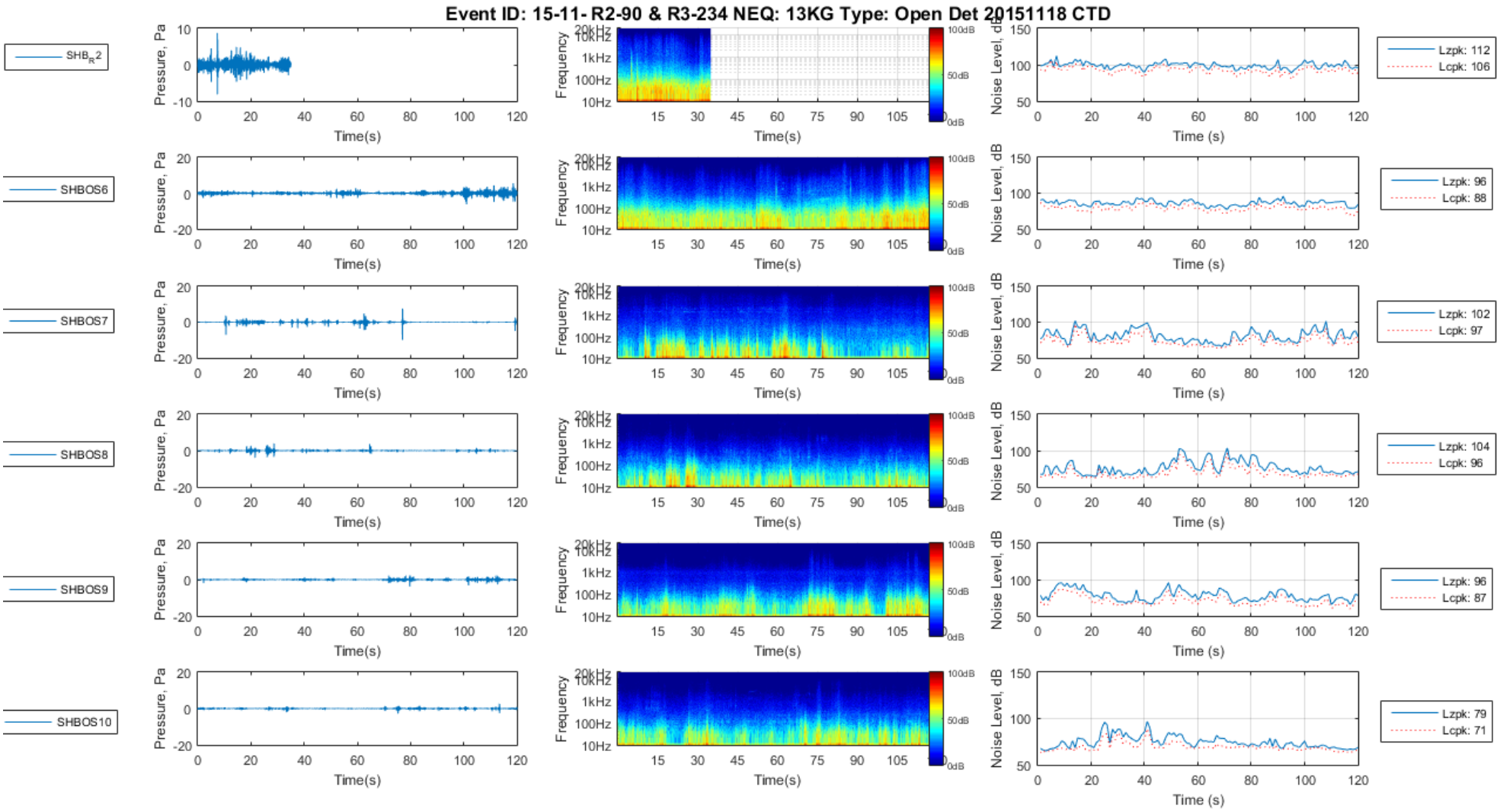


FIGURE 2.1569: SHB_OS 6 - 10 15-11- R2-90 & R3-234

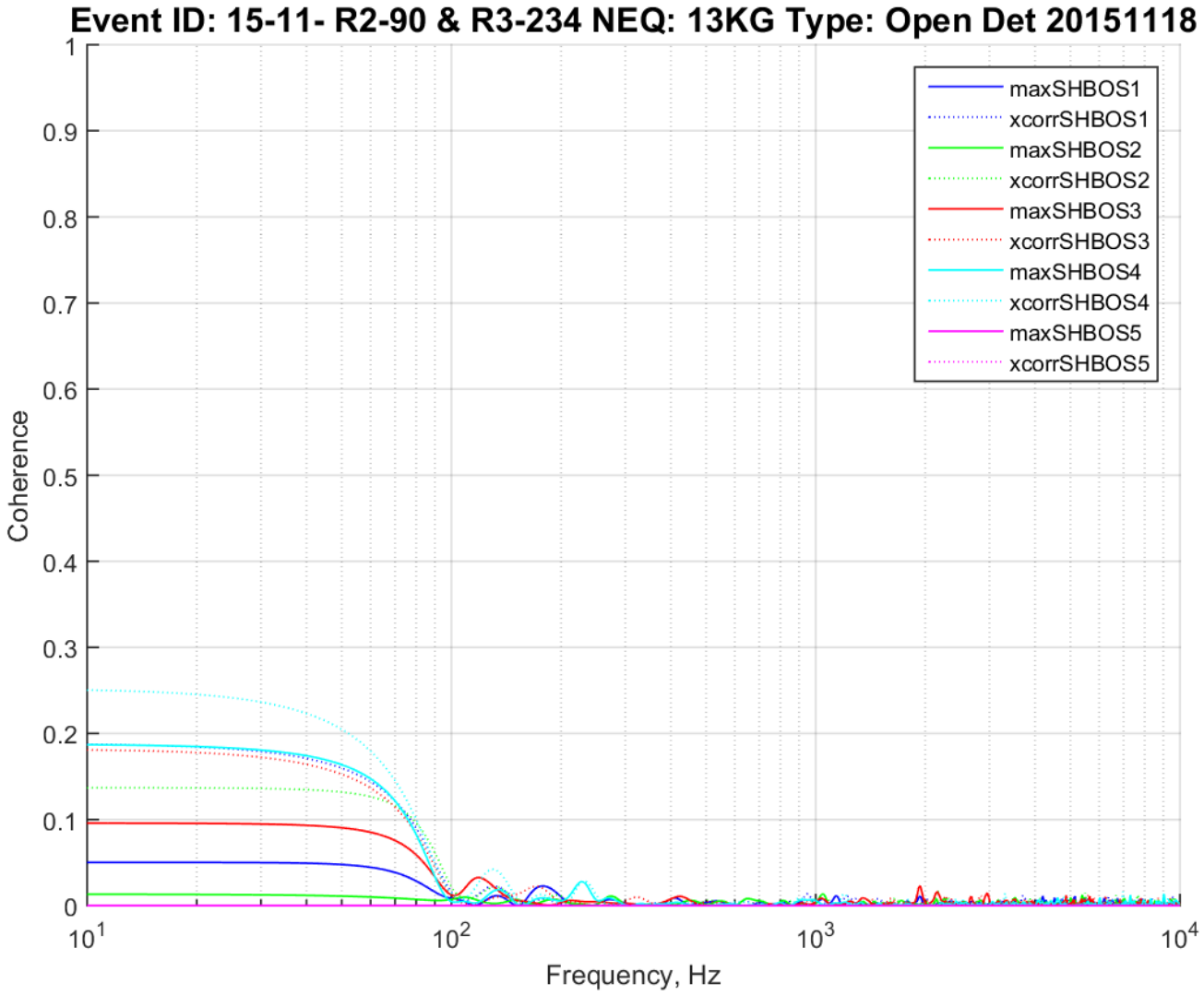


FIGURE 2.1570: COHERENCE SHB_OS 1 - 5 15-11- R2-90 & R3-234

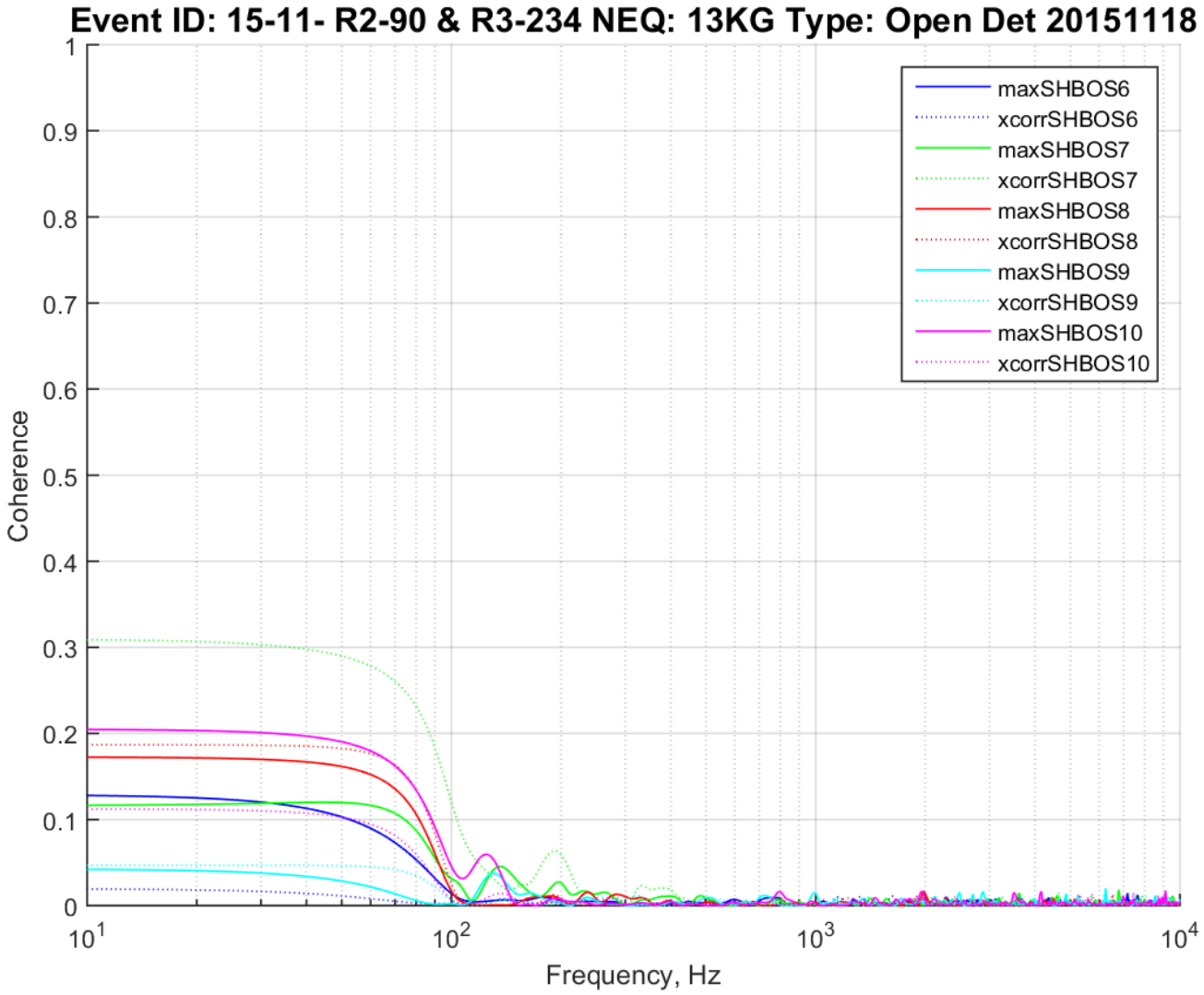


FIGURE 2.1571: COHERENCE SHB_OS 6 - 10 15-11- R2-90 & R3-234CTD

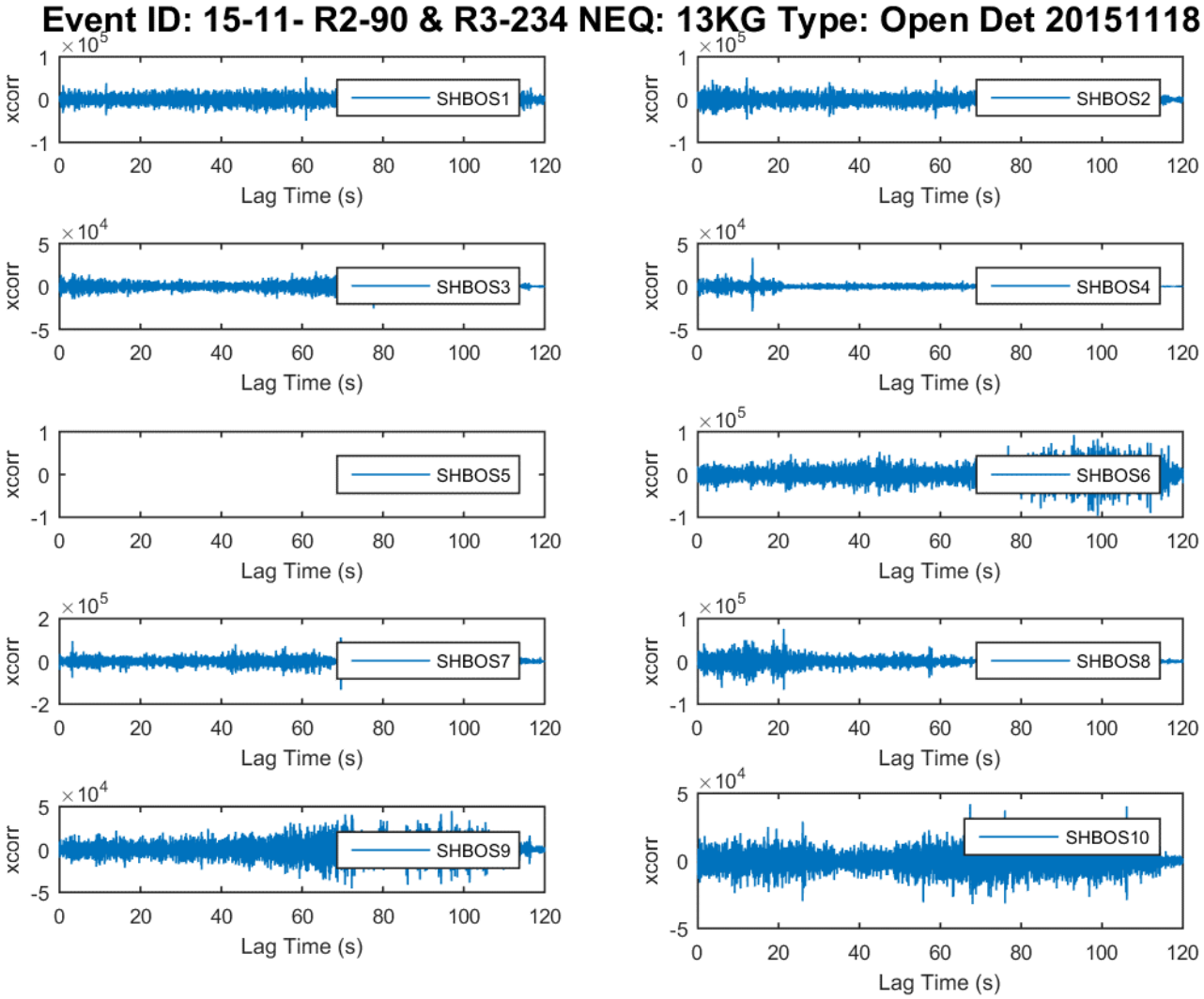


FIGURE 2.1572: CROSS CORRELATION SHB_OS 1 - 10 15-11- R2-90 & R3-234

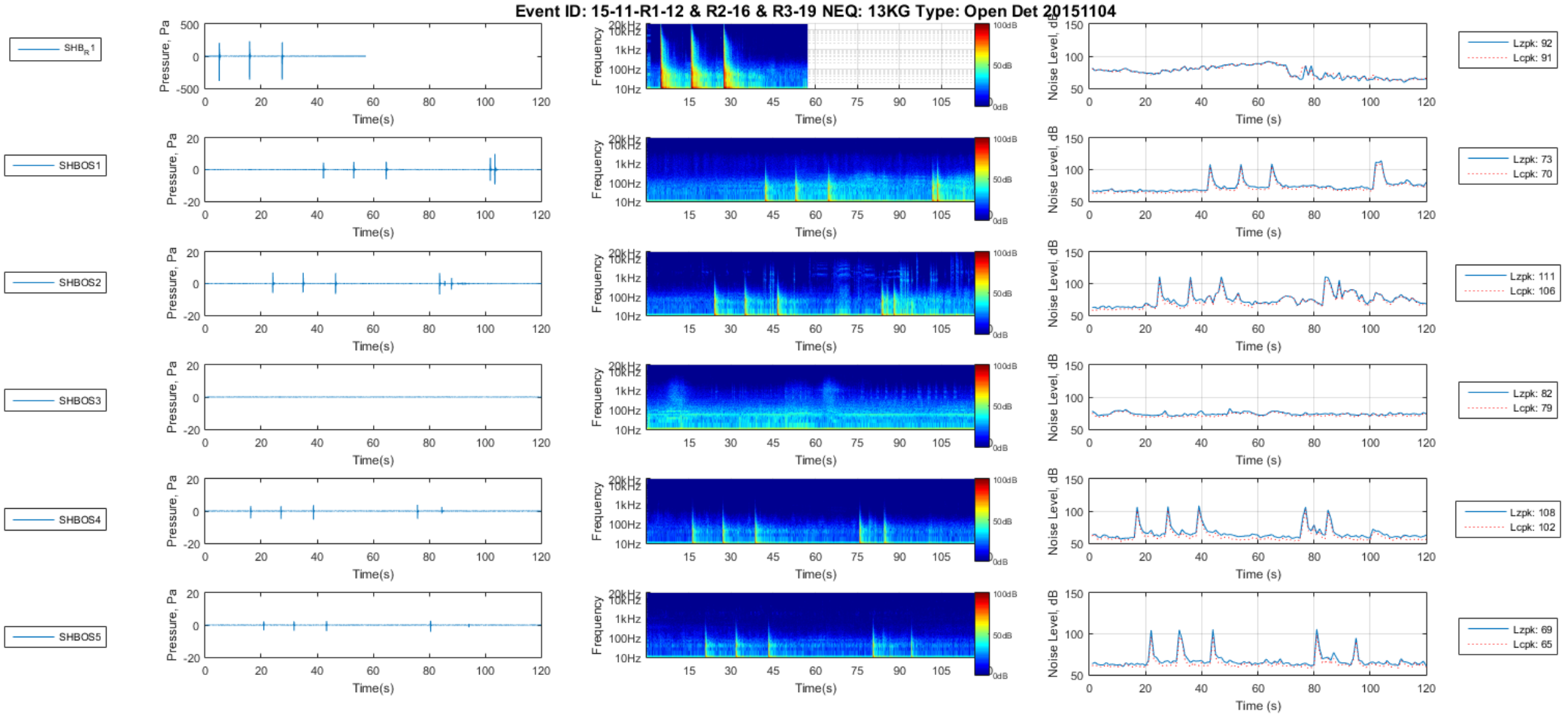


FIGURE 2.1573: SHB_OS 1 - 5 15-11-R1-12 & R2-16 & R3-19

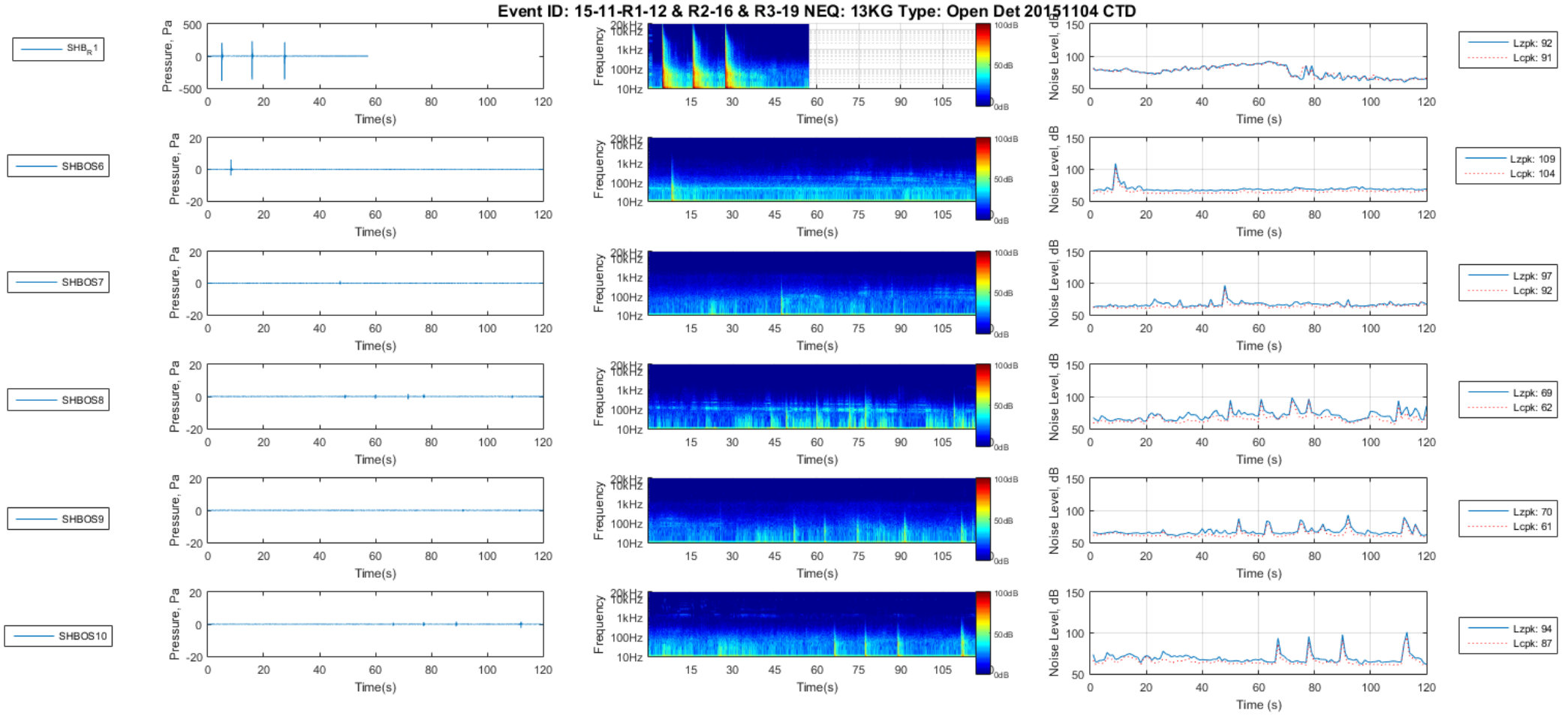


FIGURE 2.1574: SHB_OS 6 - 10 15-11-R1-12 & R2-16 & R3-19

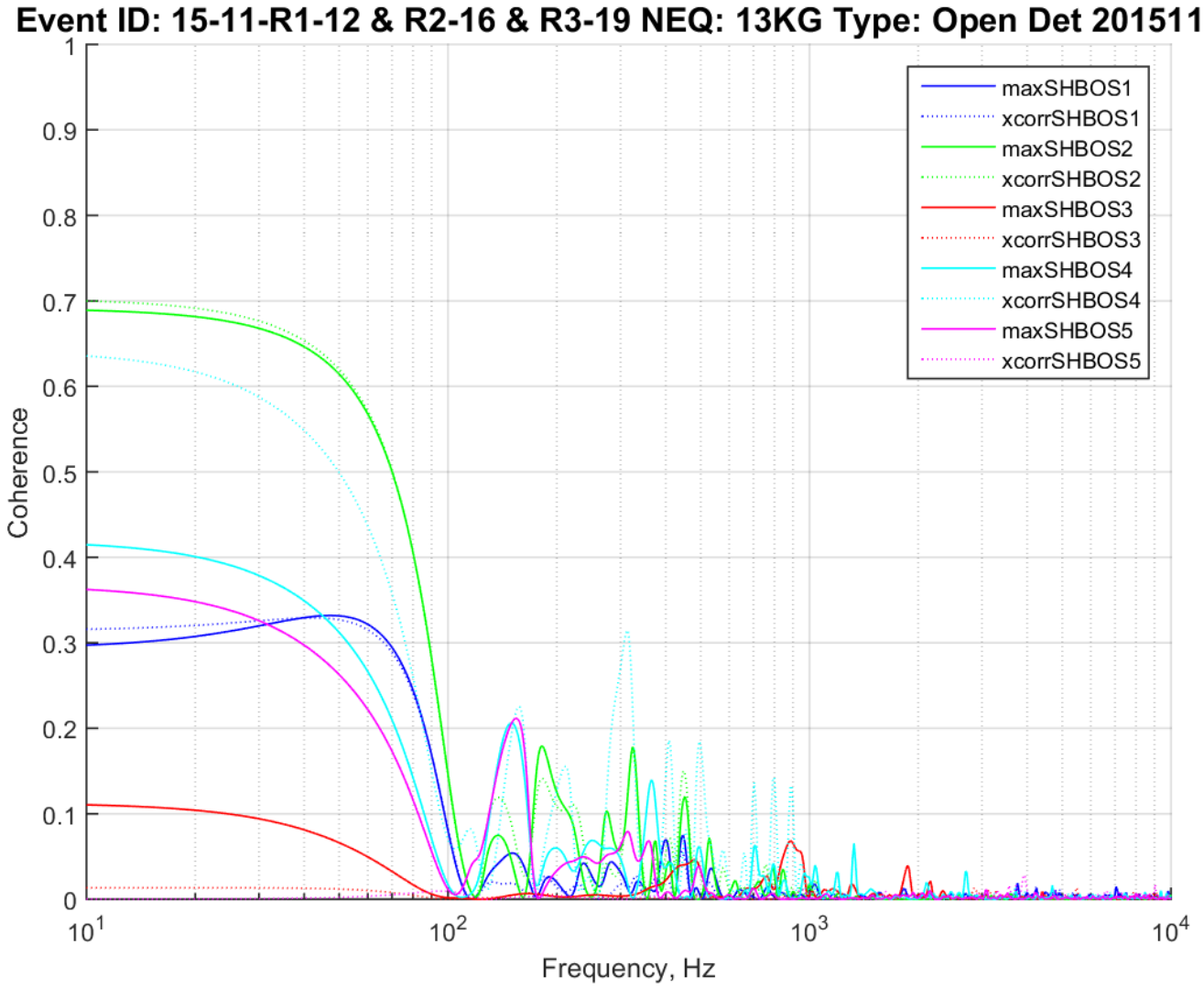


FIGURE 2.1575: COHERENCE SHB_OS 1 - 5 15-11-R1-12 & R2-16 & R3-19

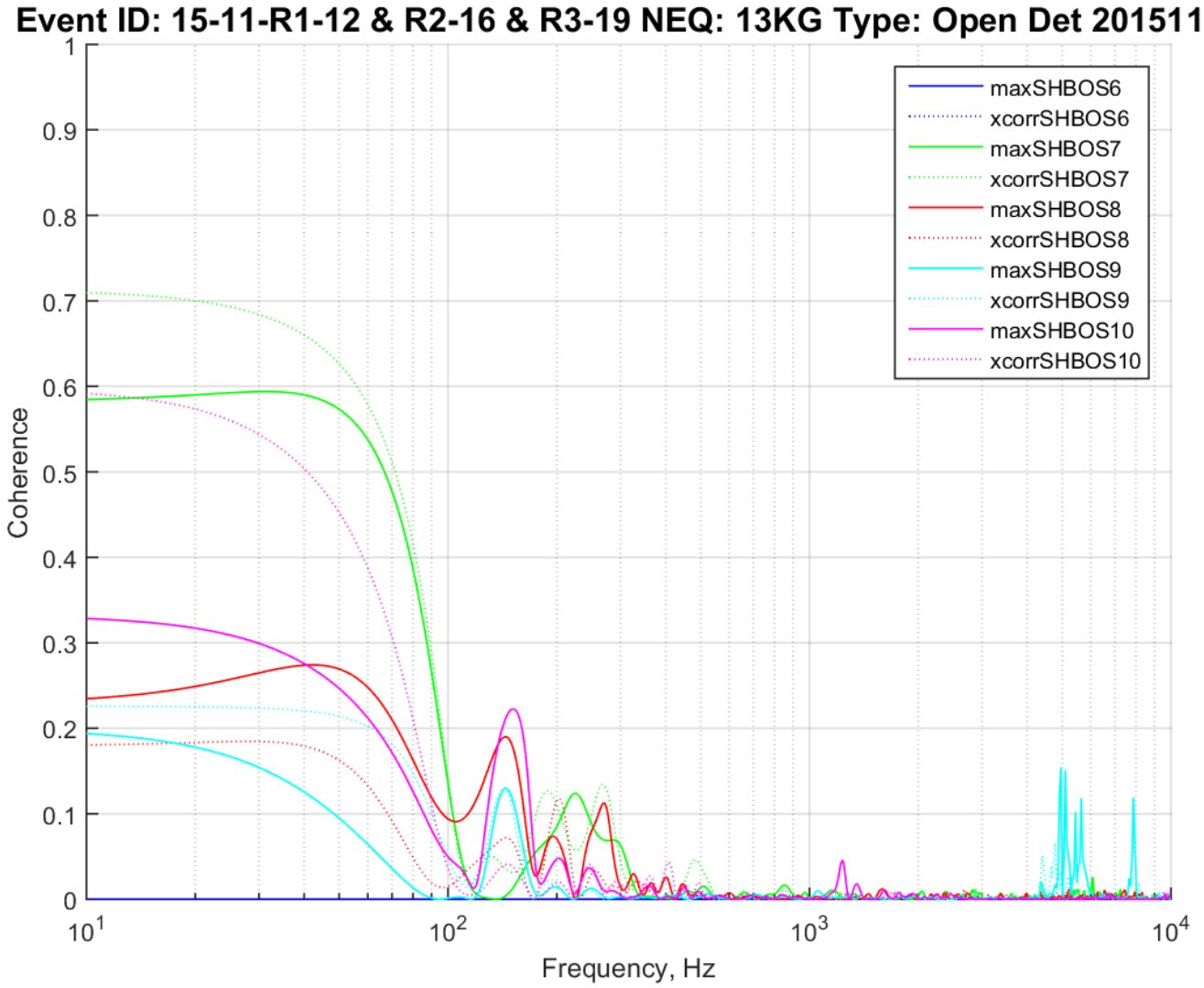


FIGURE 2.1576: COHERENCE SHB_OS 6 - 10 15-11-R1-12 & R2-16 & R3-19CTD

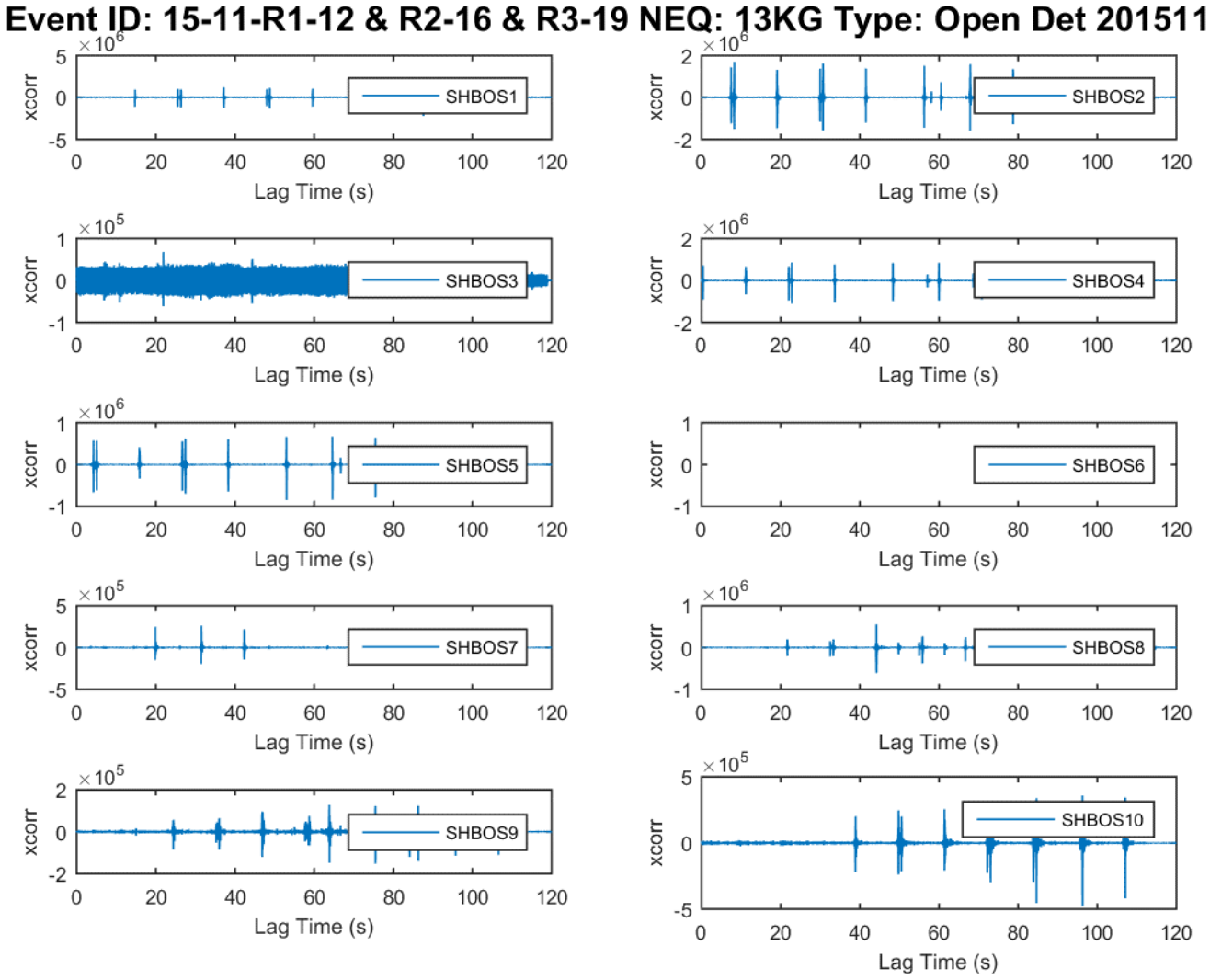


FIGURE 2.1577: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-12 & R2-16 & R3-19

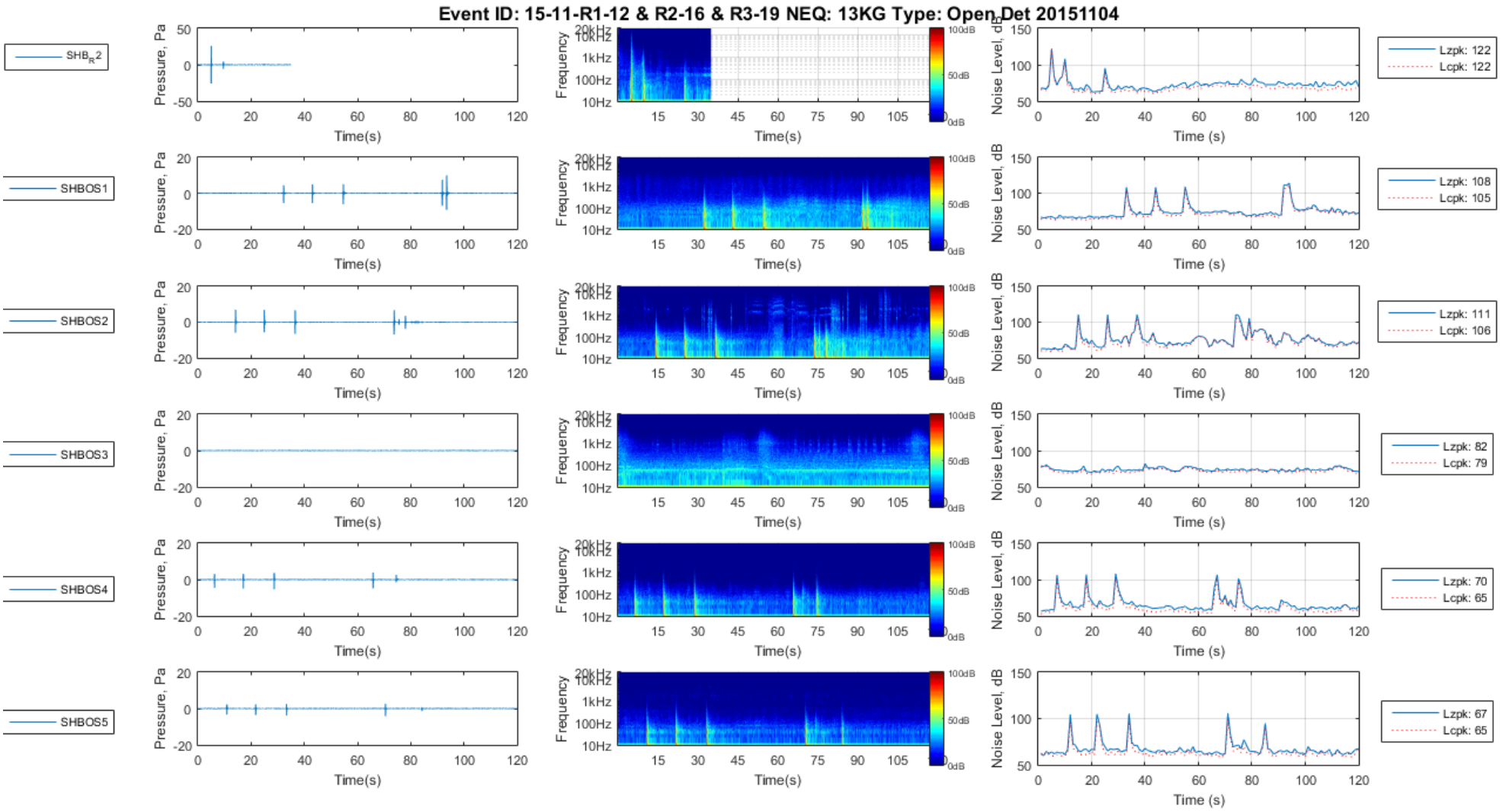


FIGURE 2.1578: SHB_OS 1 - 5 15-11-R1-12 & R2-16 & R3-19

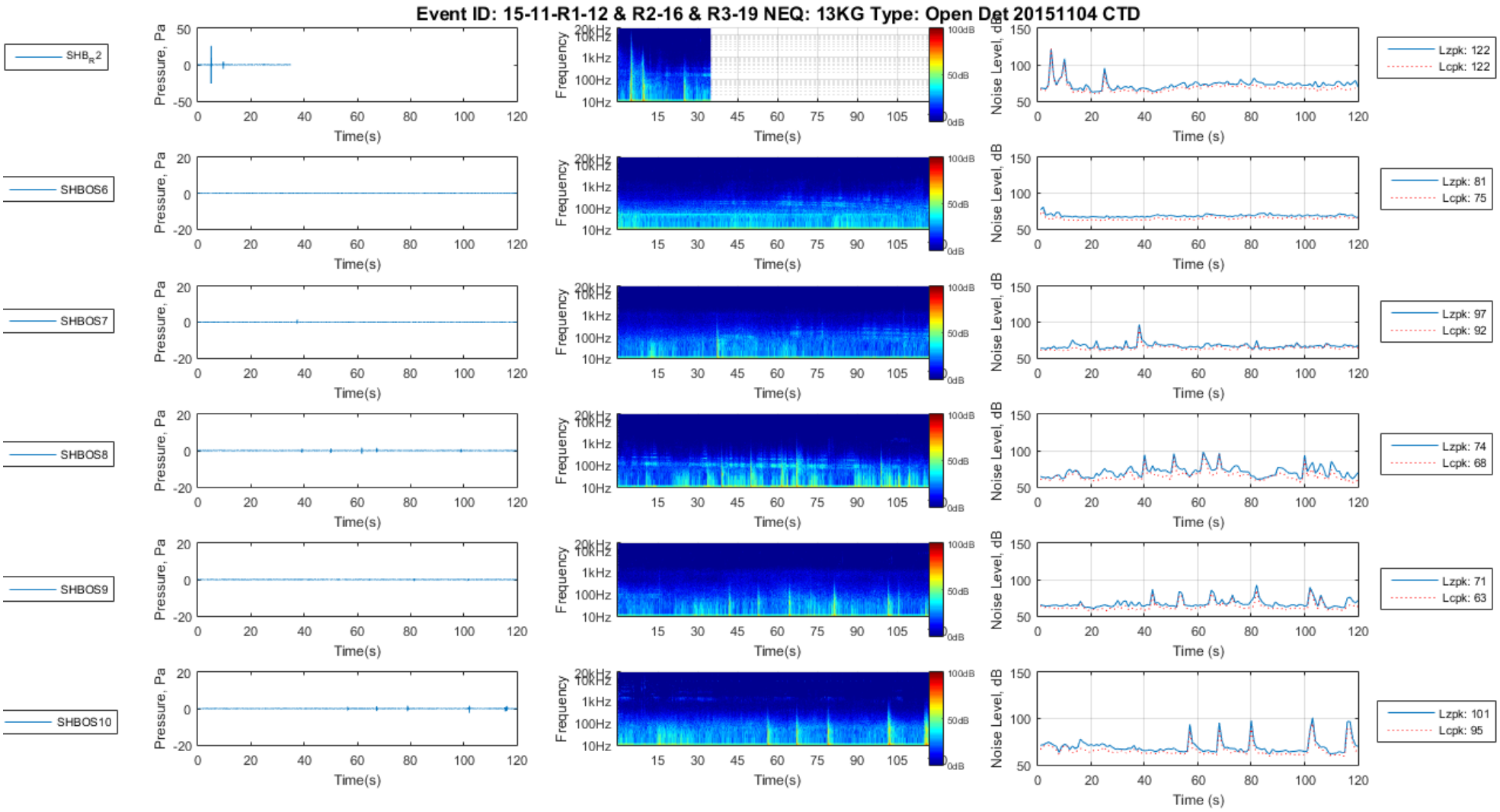


FIGURE 2.1579: SHB_OS 6 - 10 15-11-R1-12 & R2-16 & R3-19

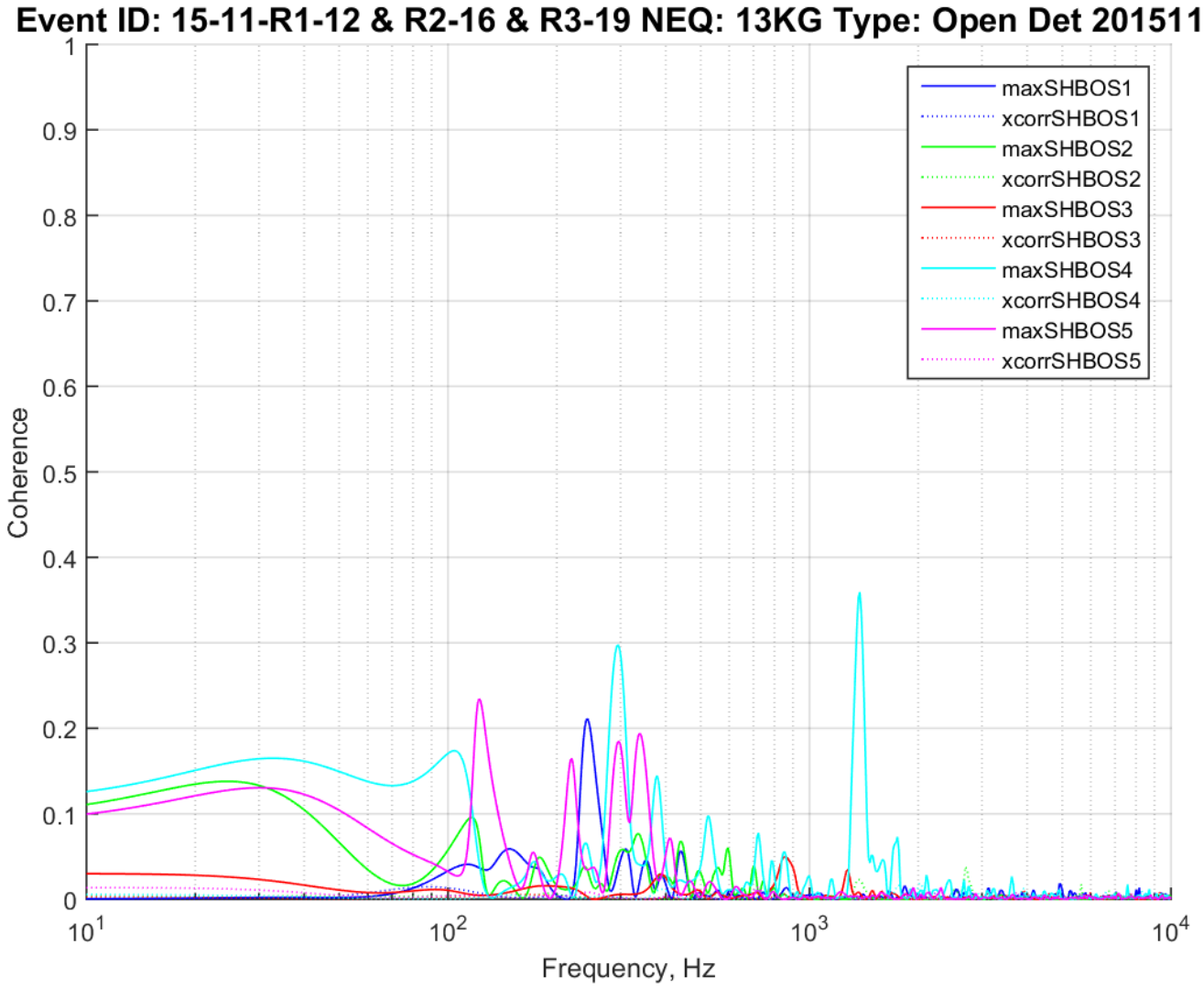


FIGURE 2.1580: COHERENCE SHB_OS 1 - 5 15-11-R1-12 & R2-16 & R3-19

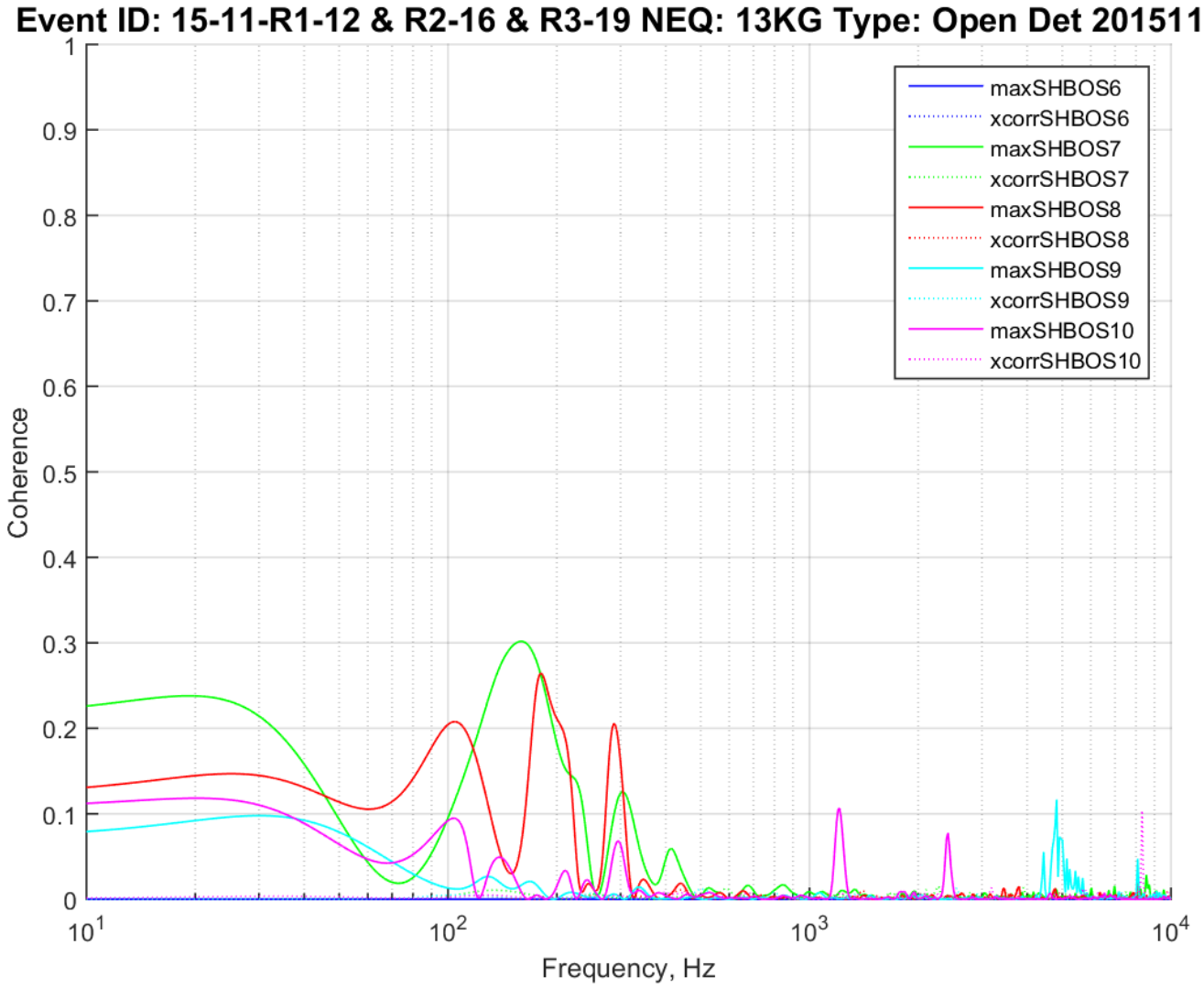


FIGURE 2.1581: COHERENCE SHB_OS 6 - 10 15-11-R1-12 & R2-16 & R3-19CTD

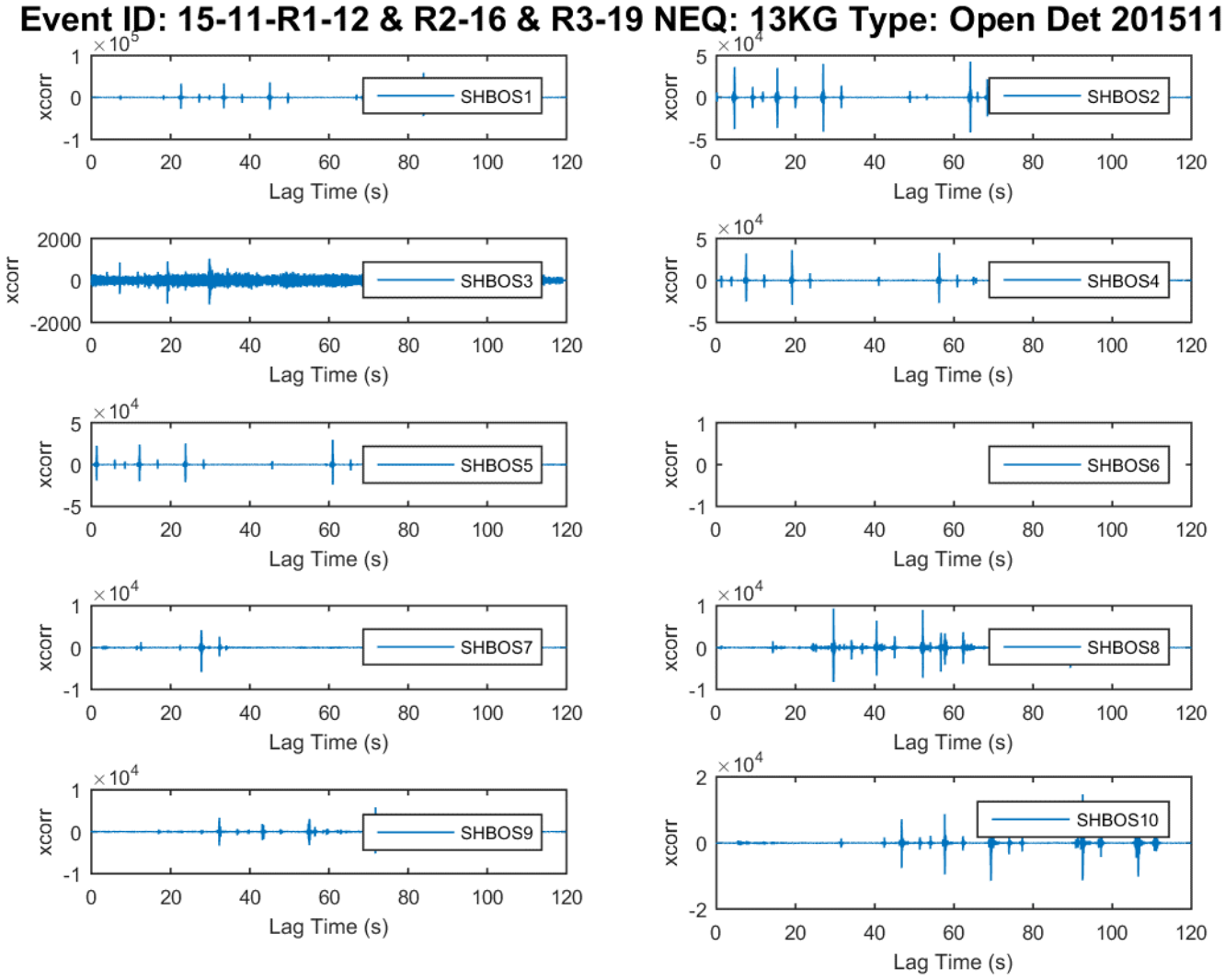


FIGURE 2.1582: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-12 & R2-16 & R3-19

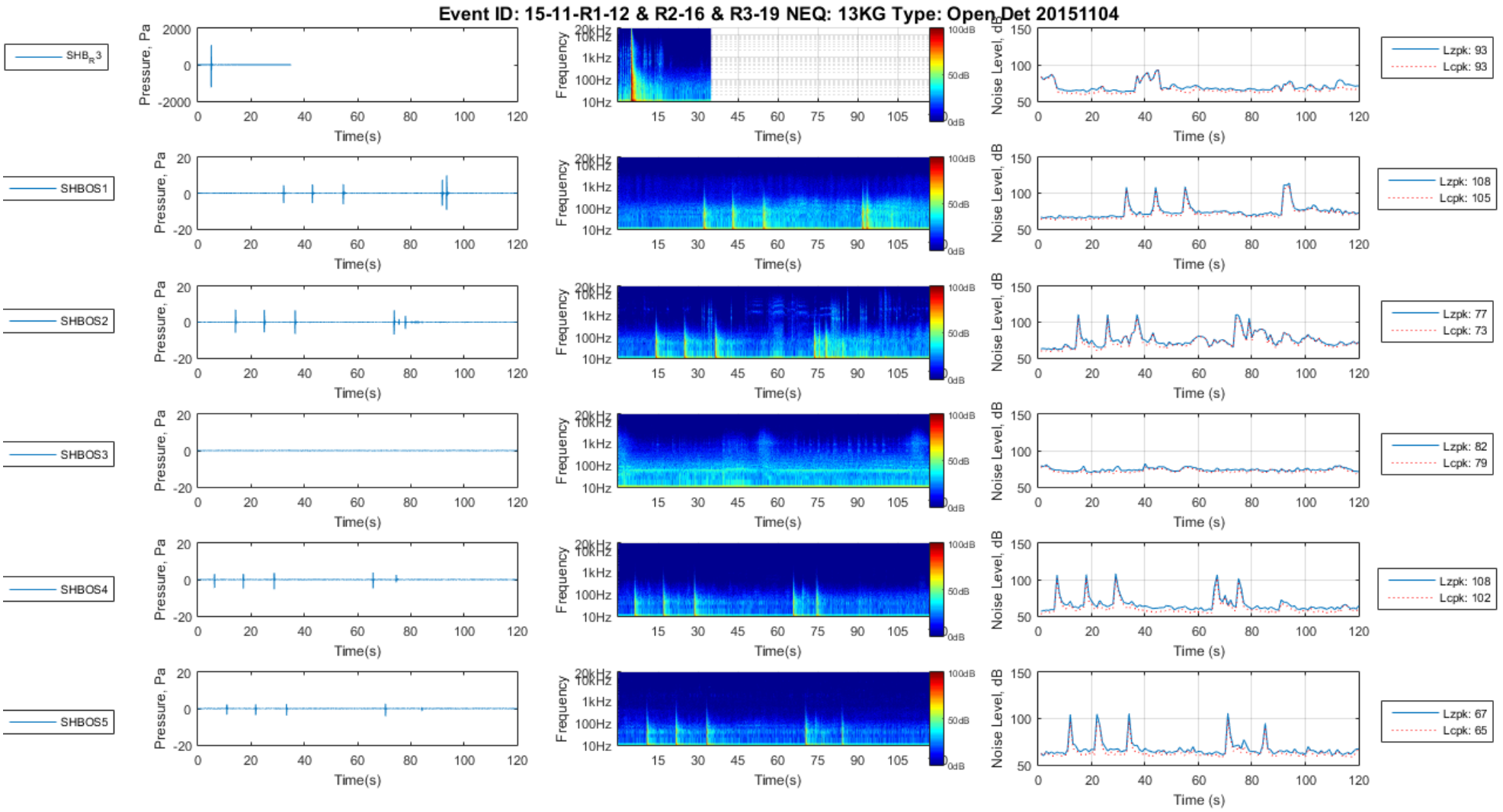


FIGURE 2.1583: SHB_OS 1 - 5 15-11-R1-12 & R2-16 & R3-19

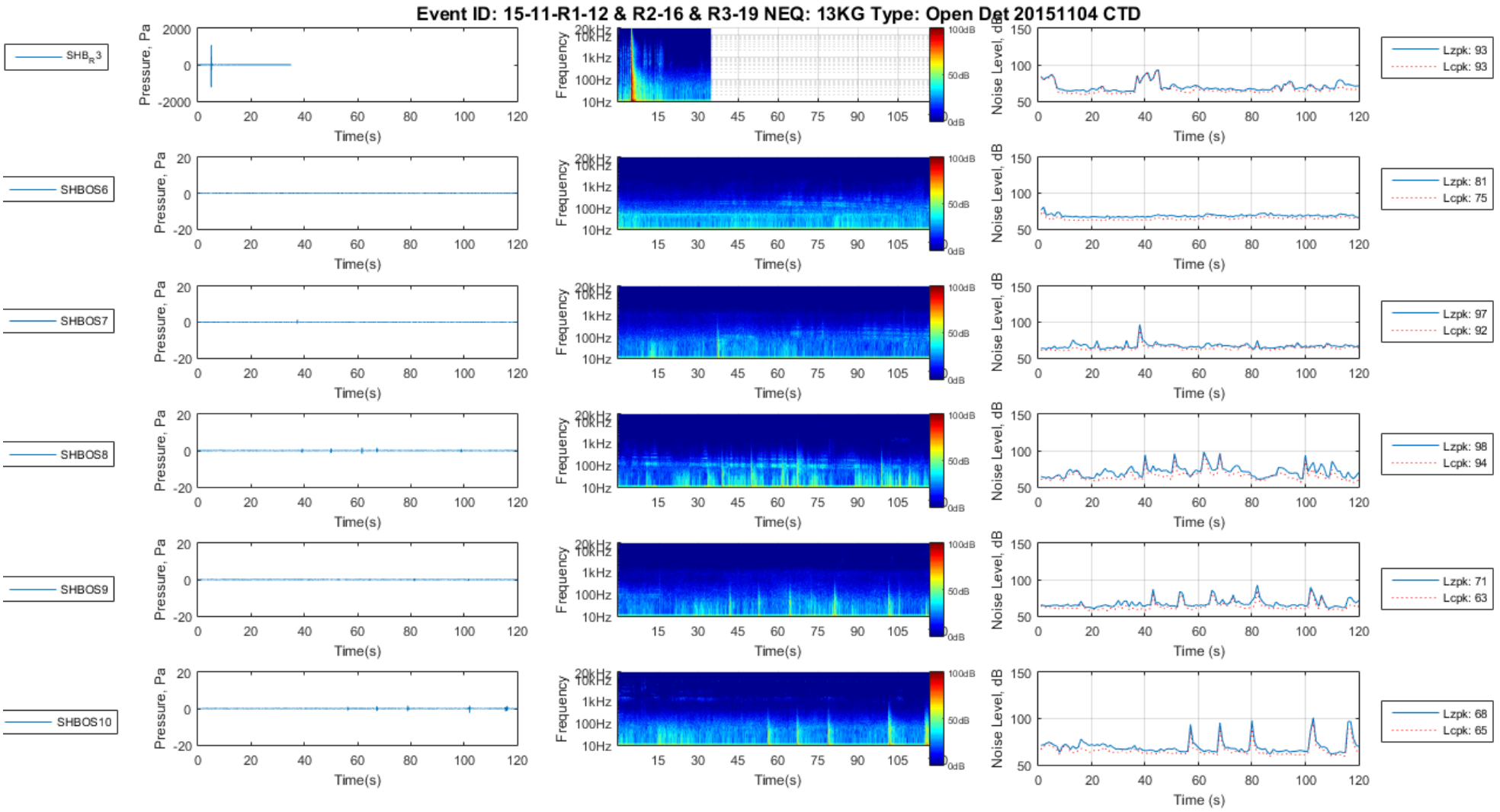


FIGURE 2.1584: SHB_OS 6 - 10 15-11-R1-12 & R2-16 & R3-19

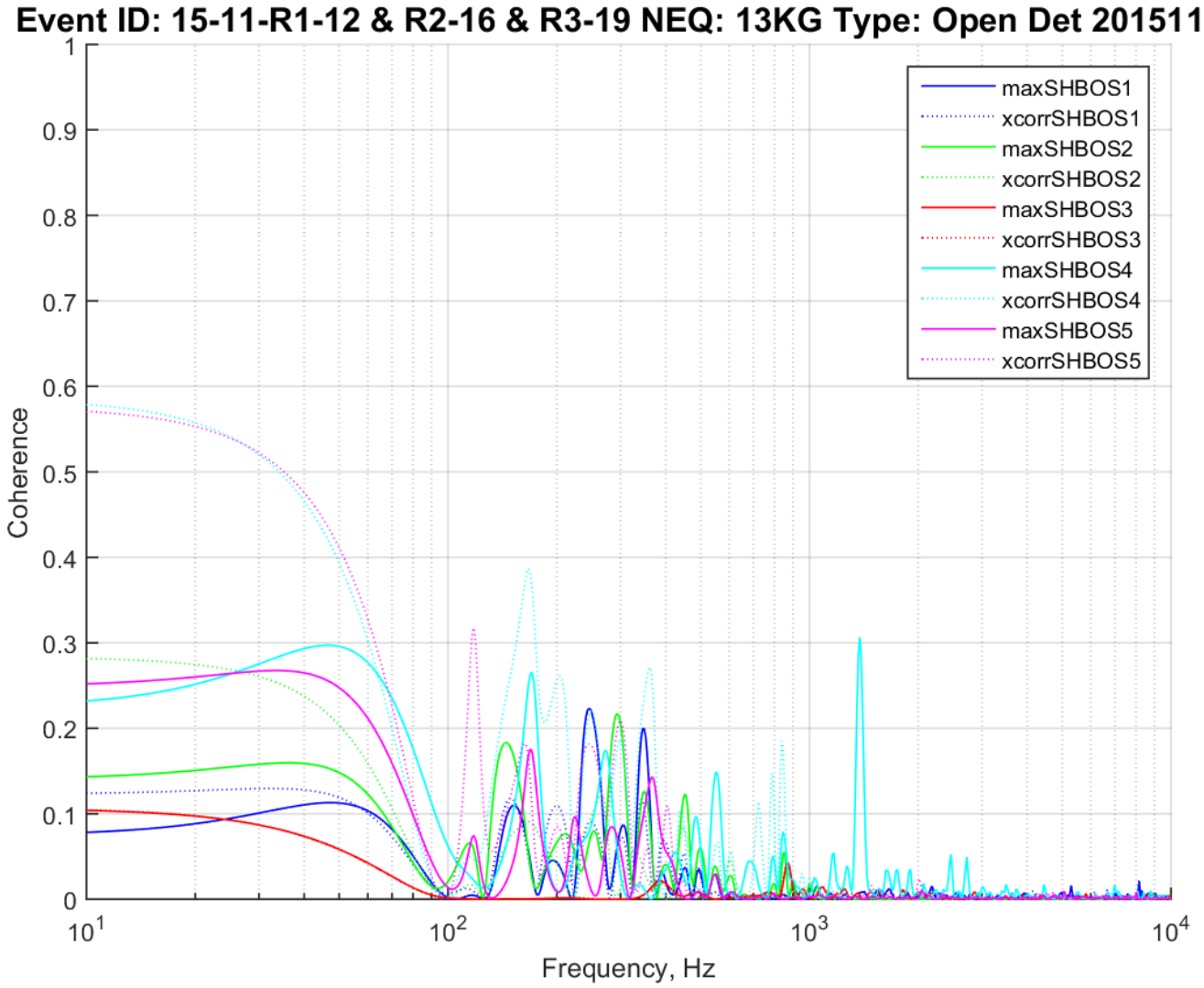


FIGURE 2.1585: COHERENCE SHB_OS 1 - 5 15-11-R1-12 & R2-16 & R3-19

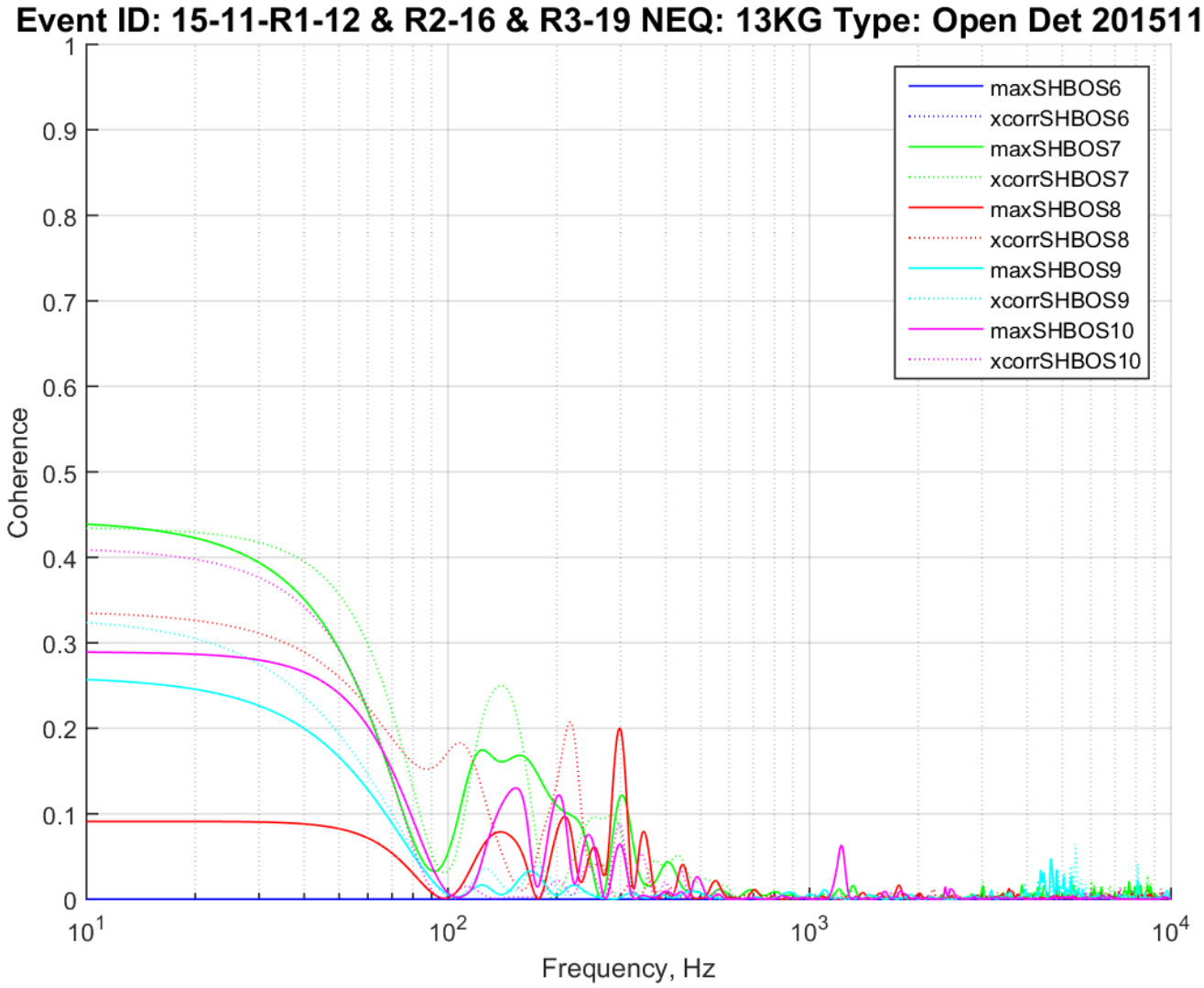


FIGURE 2.1586: COHERENCE SHB_OS 6 - 10 15-11-R1-12 & R2-16 & R3-19CTD

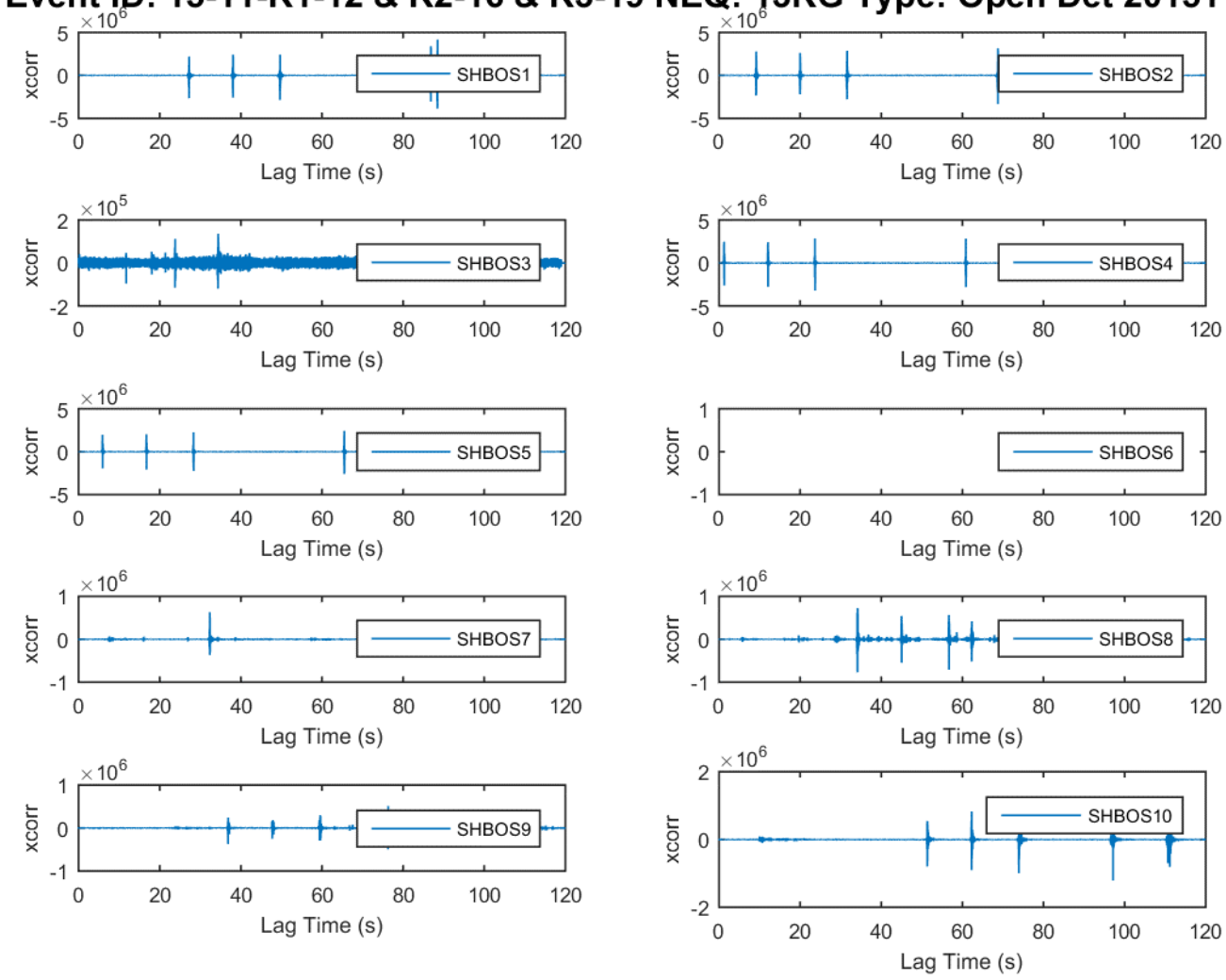


FIGURE 2.1587: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-12 & R2-16 & R3-19

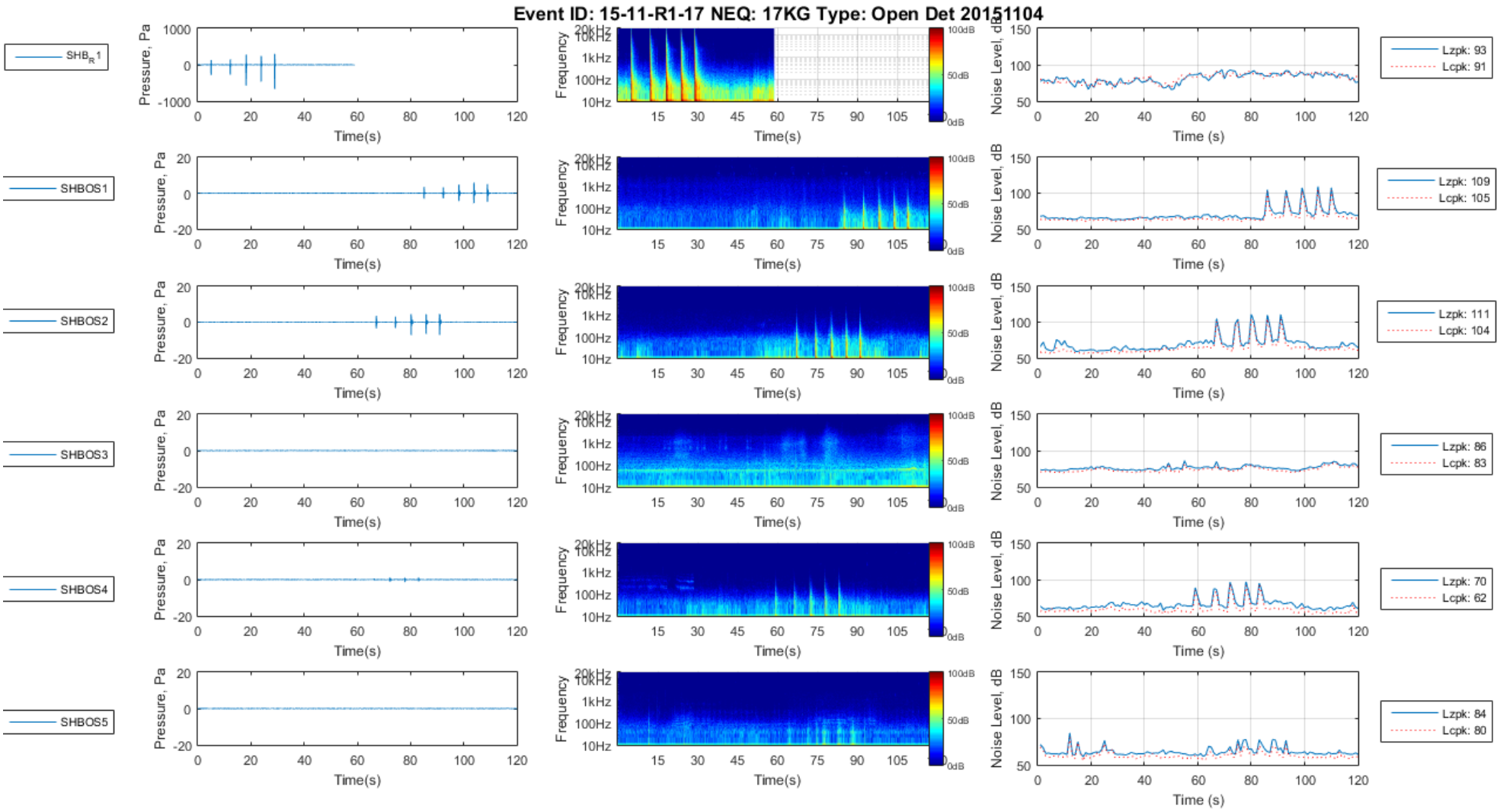


FIGURE 2.1588: SHB_OS 1 - 5 15-11-R1-17

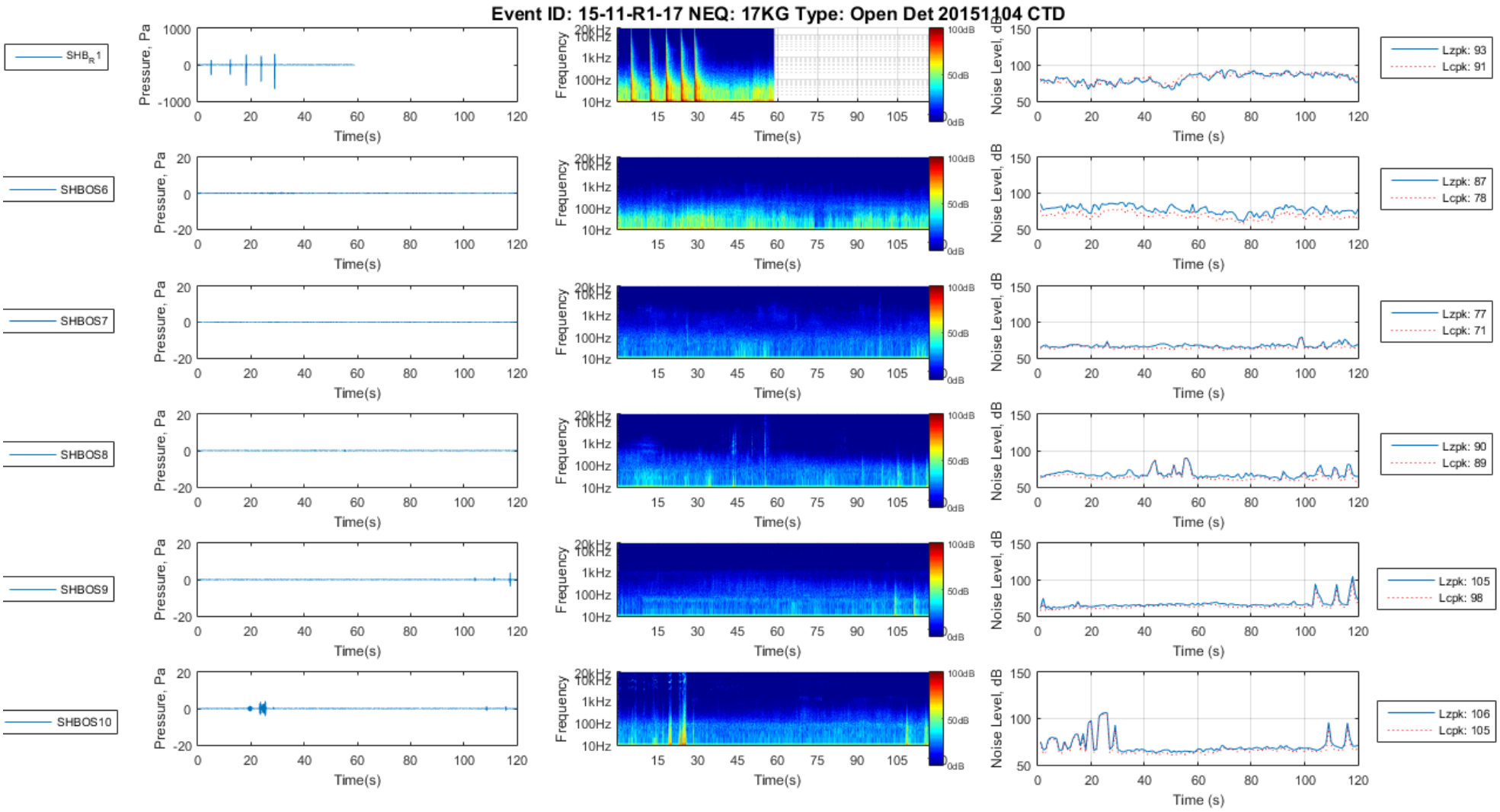


FIGURE 2.1589: SHB_OS 6 - 10 15-11-R1-17

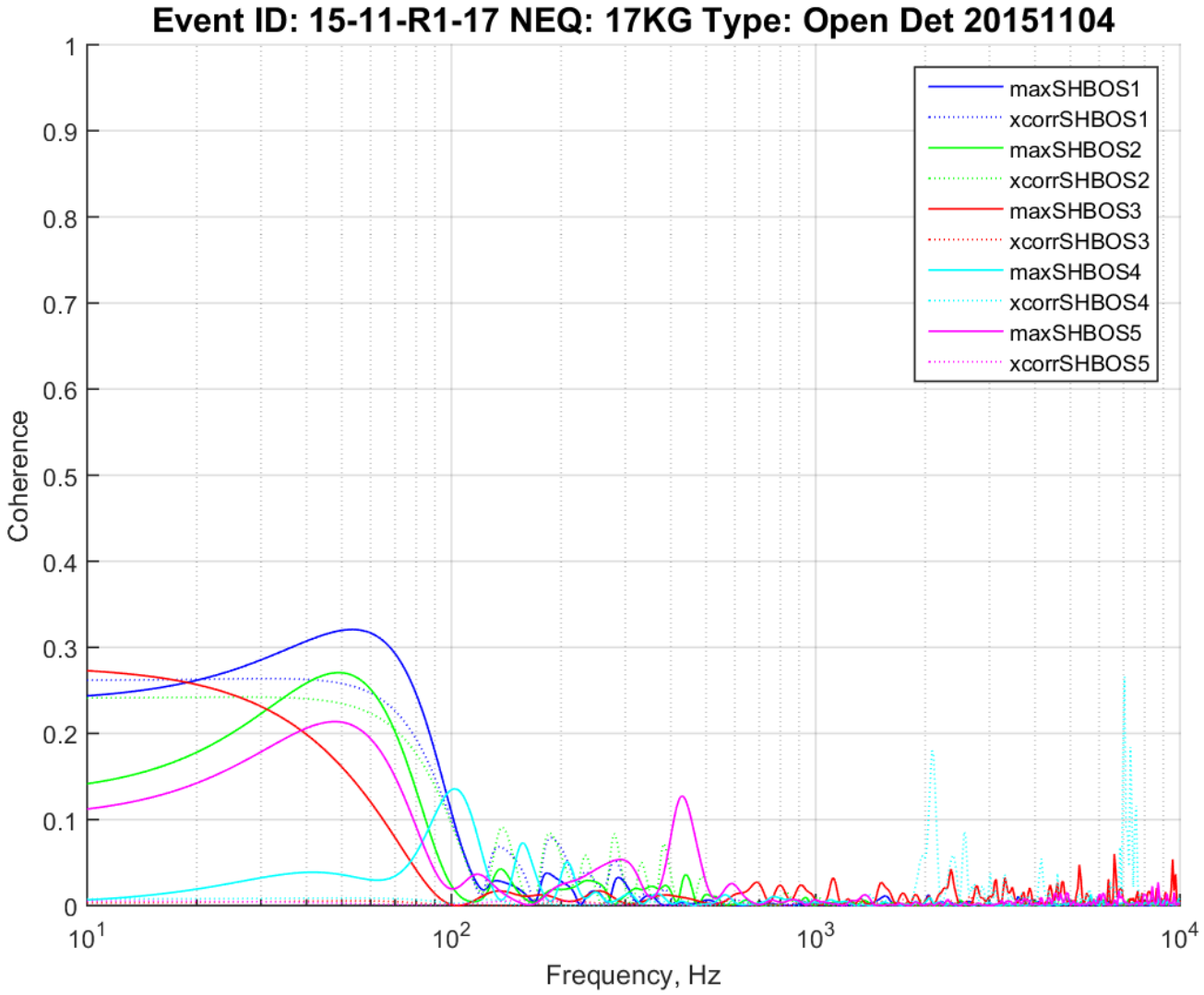


FIGURE 2.1590: COHERENCE SHB_OS 1 - 5 15-11-R1-17

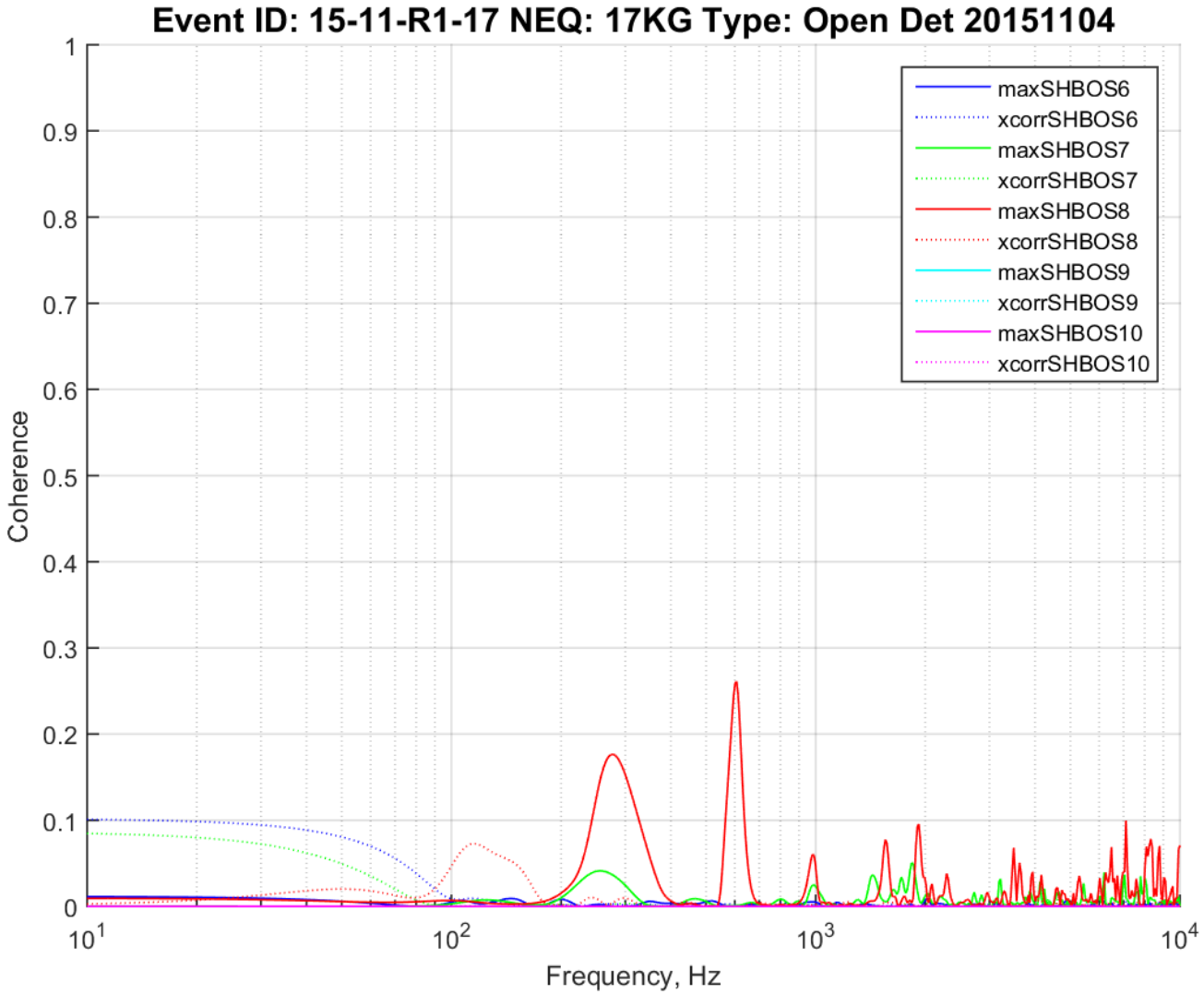


FIGURE 2.1591: COHERENCE SHB_OS 6 - 10 15-11-R1-17CTD

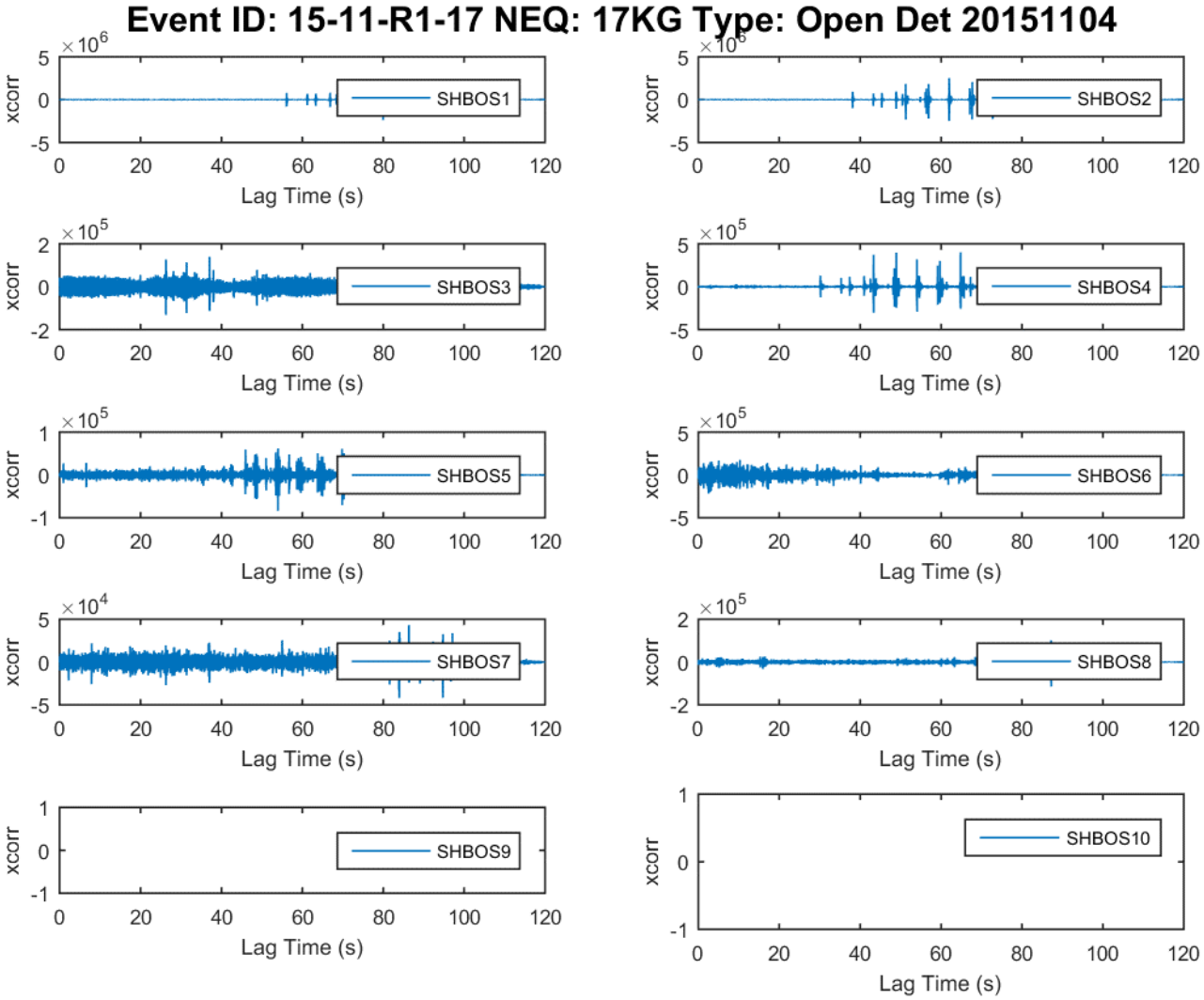


FIGURE 2.1592: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-17

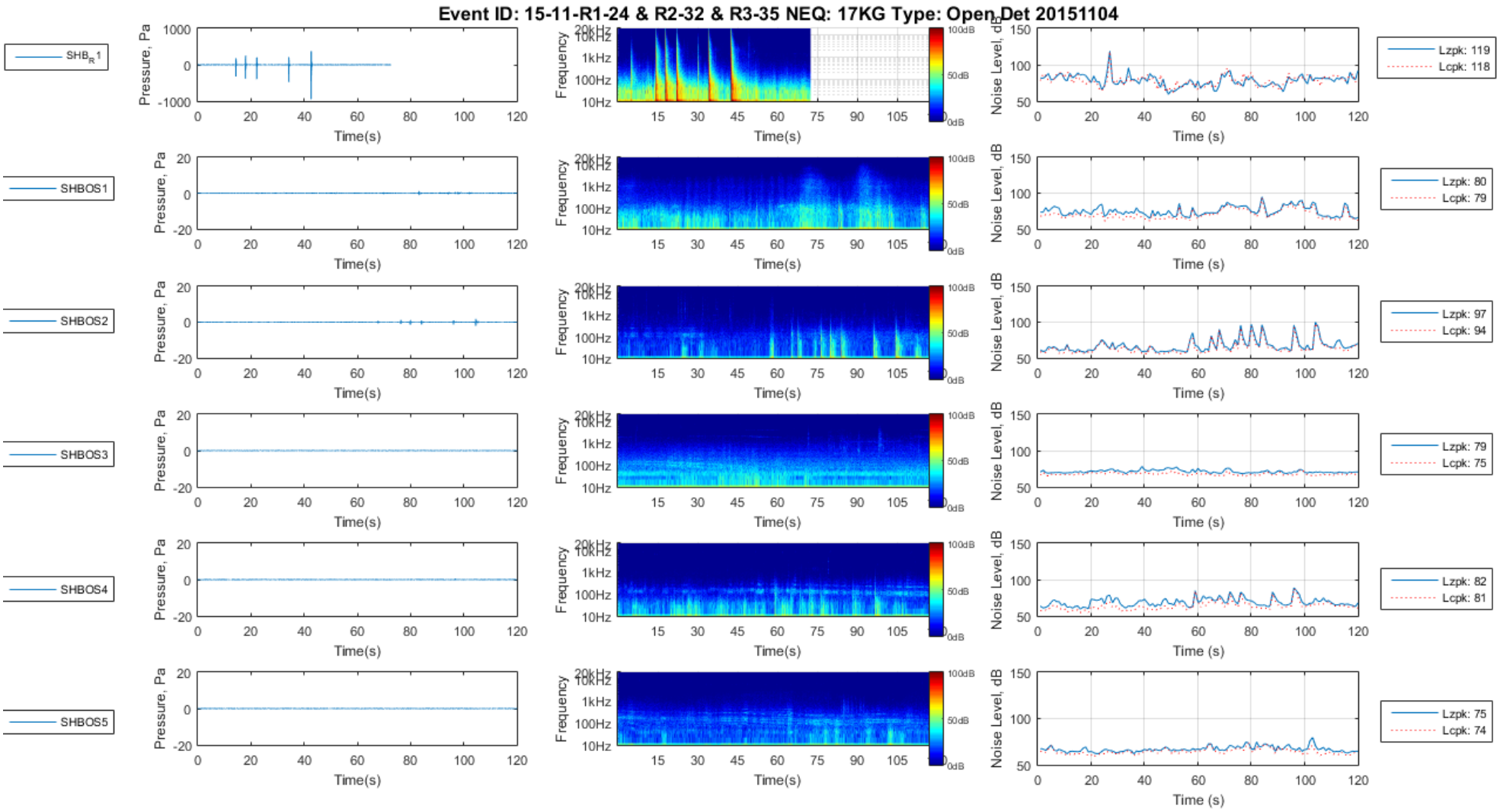


FIGURE 2.1593: SHB_OS 1 - 5 15-11-R1-24 & R2-32 & R3-35

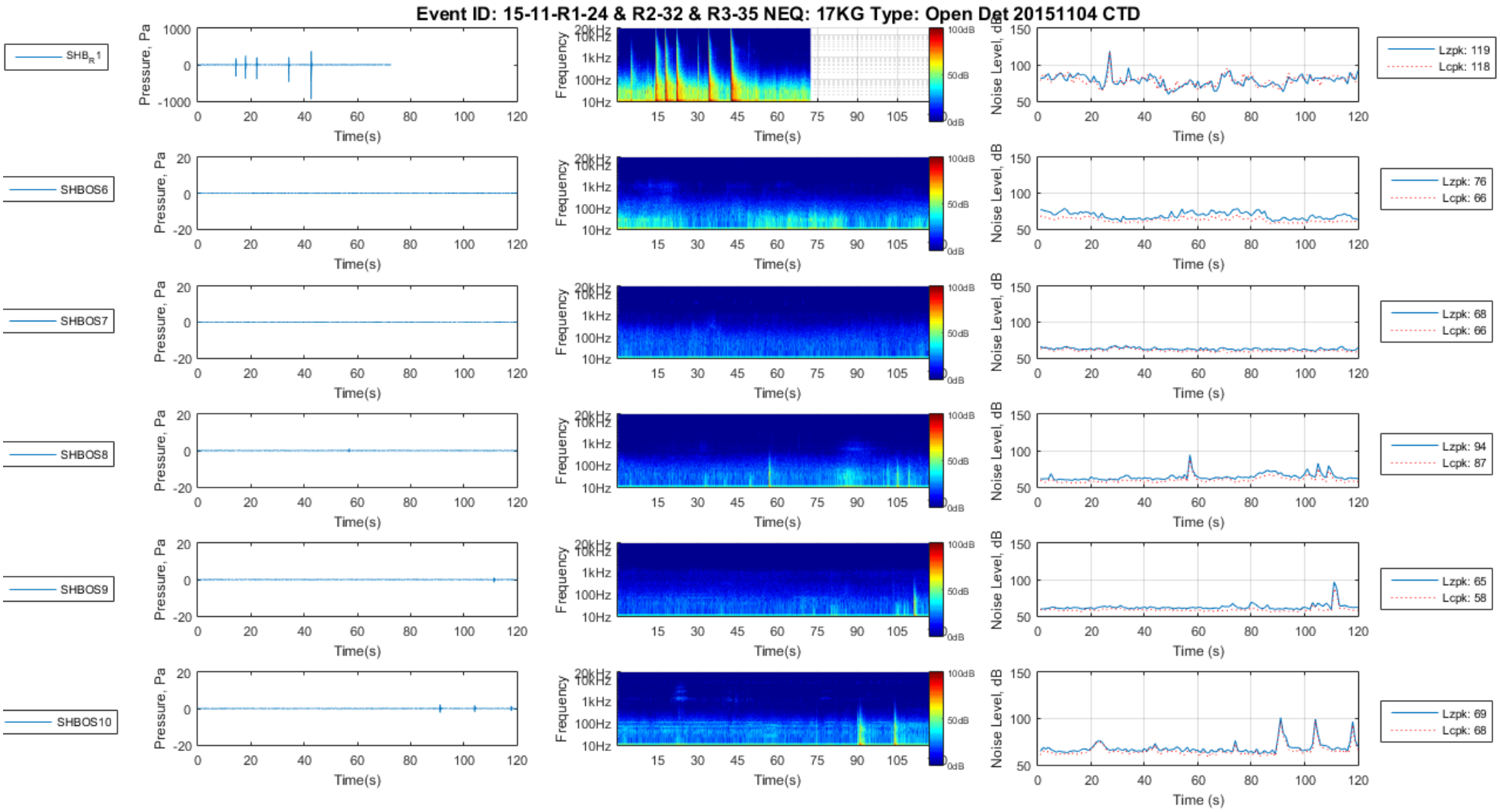


FIGURE 2.1594: SHB_OS 6 - 10 15-11-R1-24 & R2-32 & R3-35

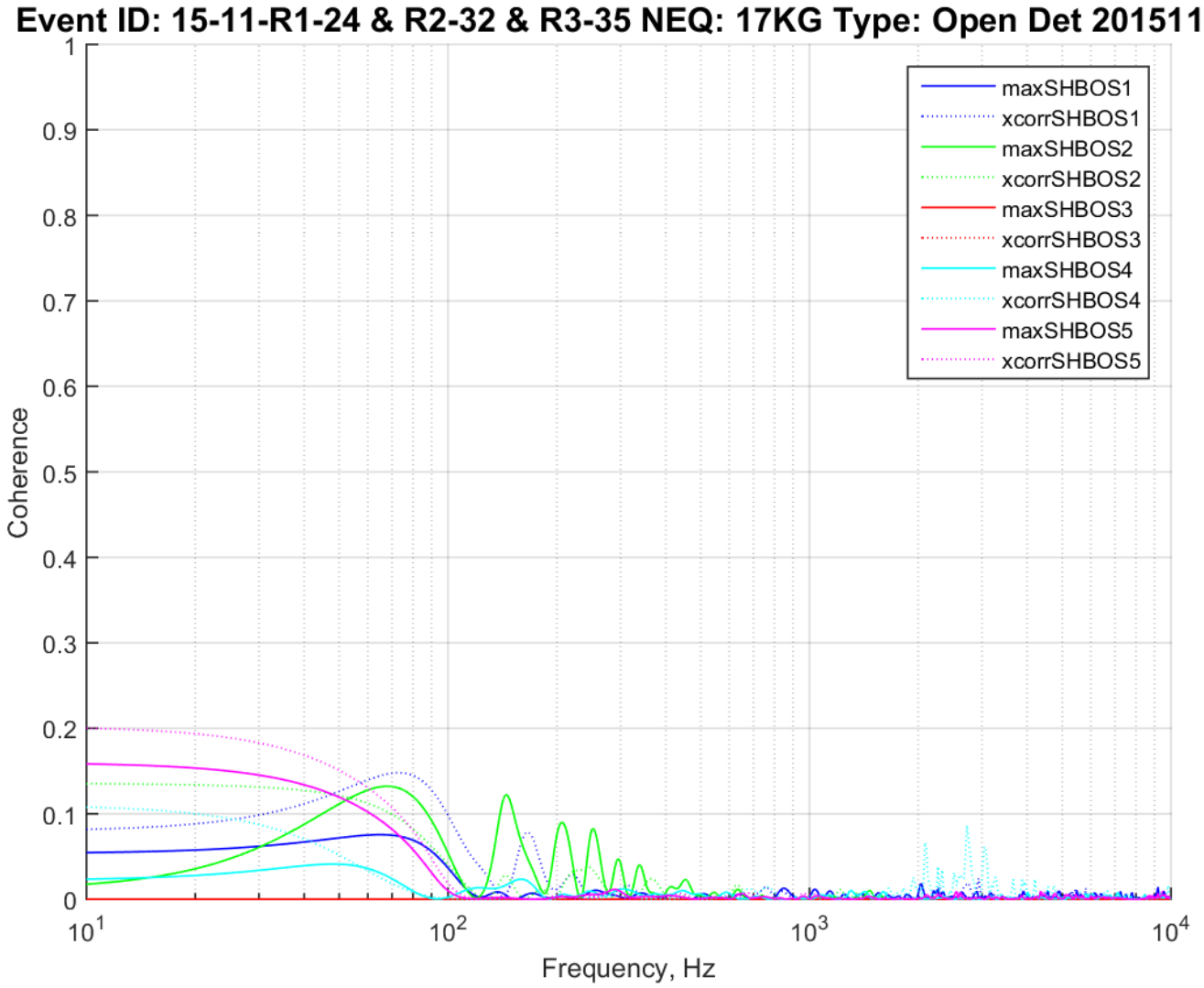


FIGURE 2.1595: COHERENCE SHB_OS 1 - 5 15-11-R1-24 & R2-32 & R3-35

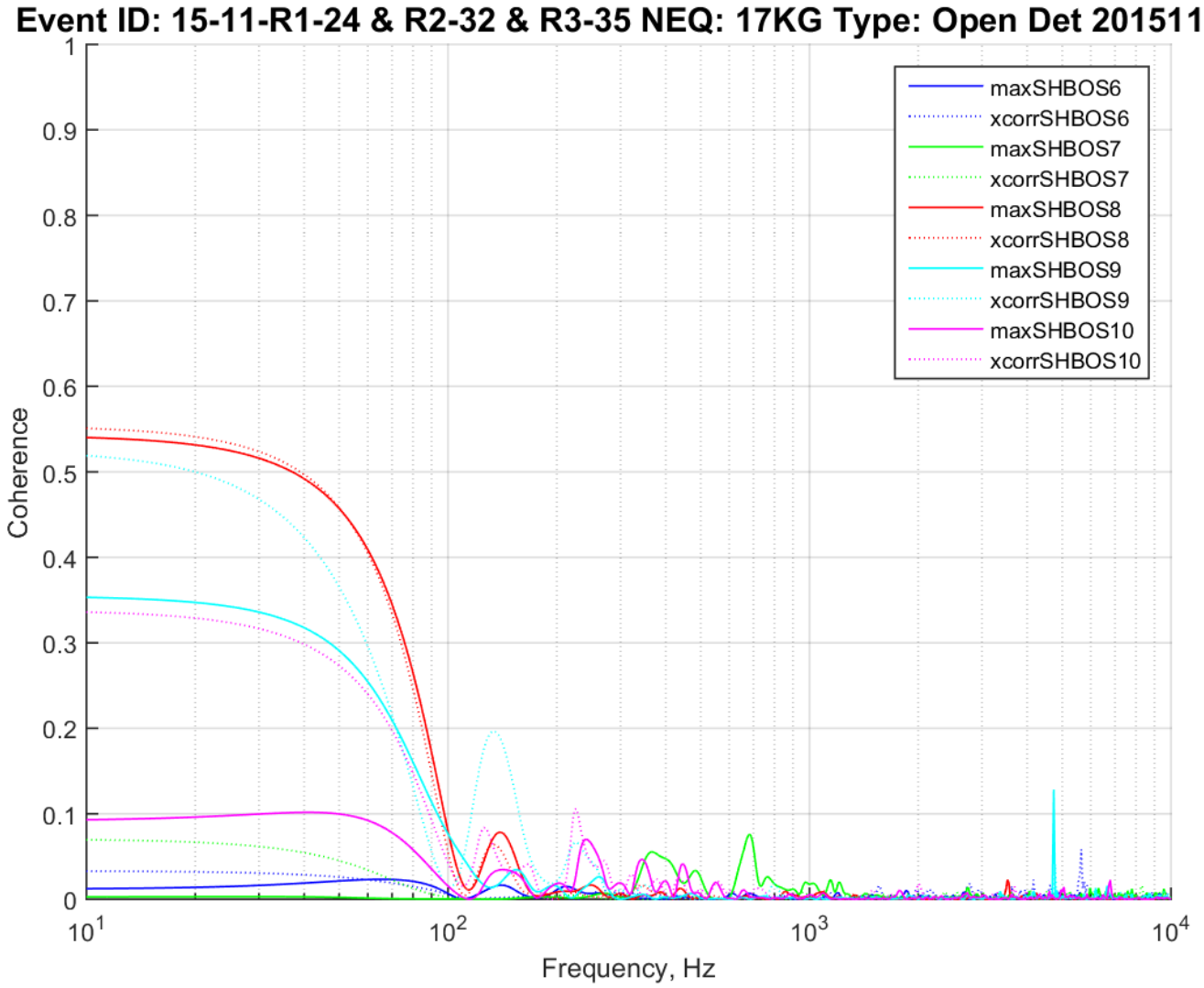


FIGURE 2.1596: COHERENCE SHB_OS 6 - 10 15-11-R1-24 & R2-32 & R3-35CTD

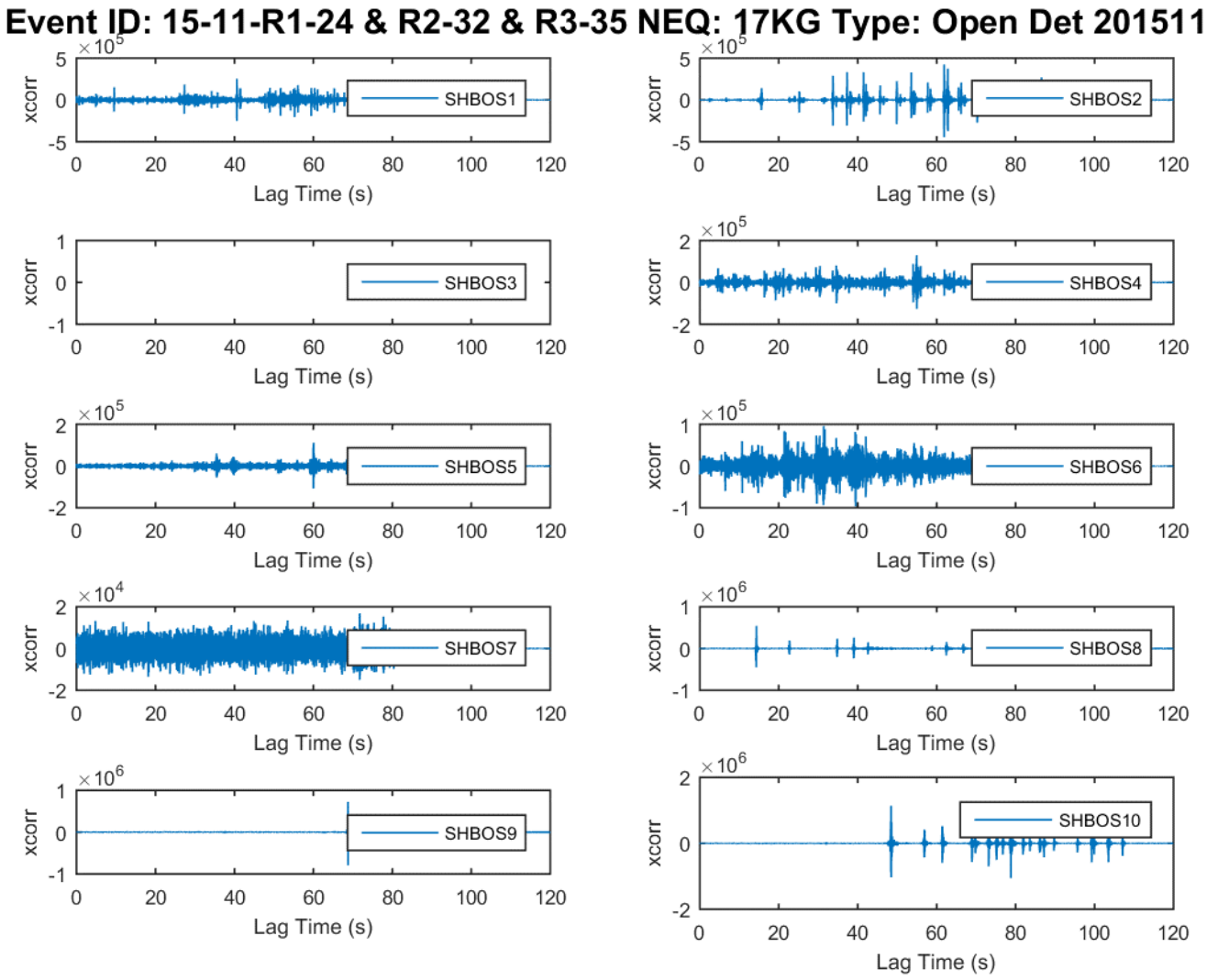


FIGURE 2.1597: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-24 & R2-32 & R3-35

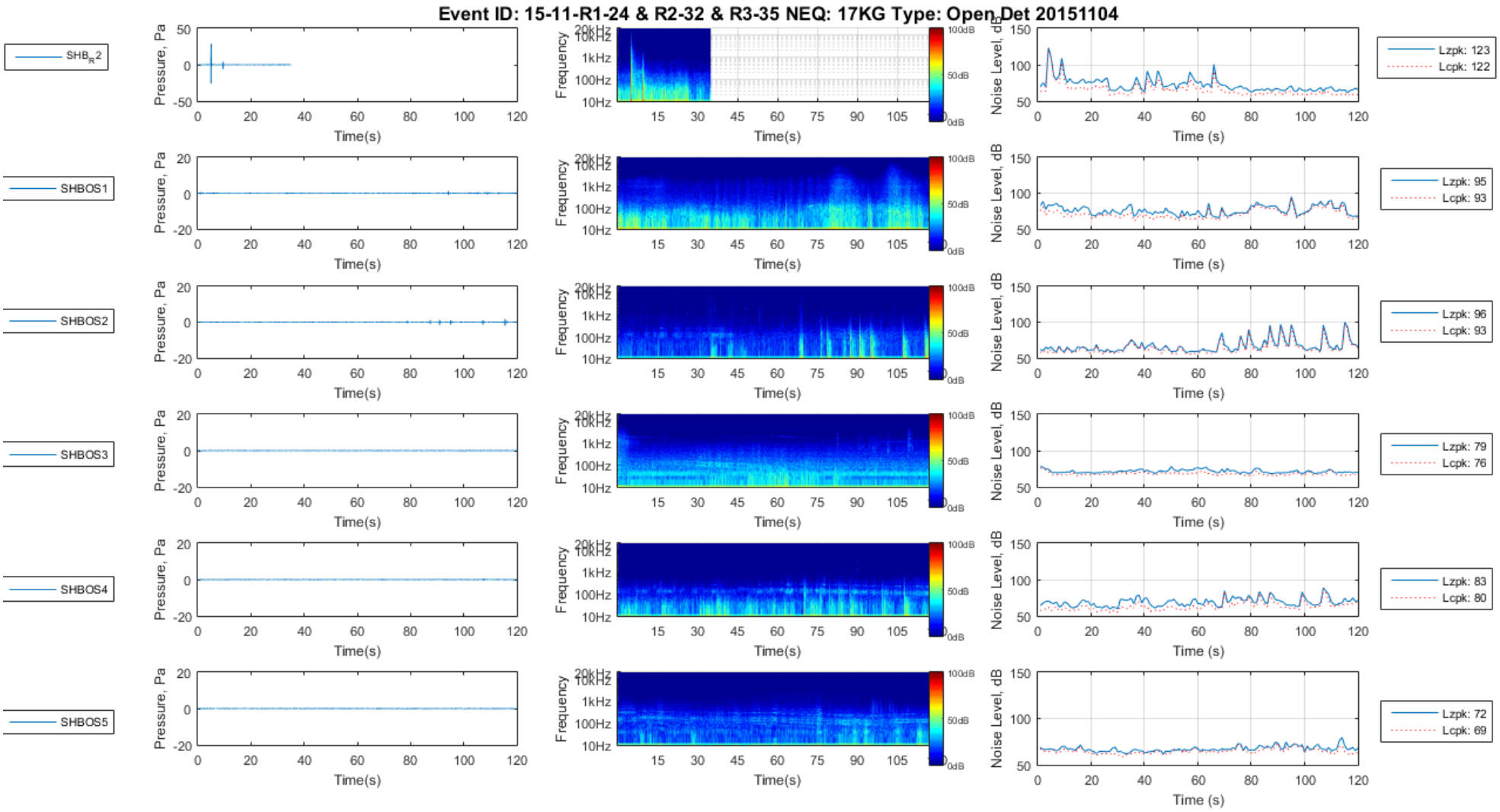


FIGURE 2.1598: SHB_OS 1 - 5 15-11-R1-24 & R2-32 & R3-35

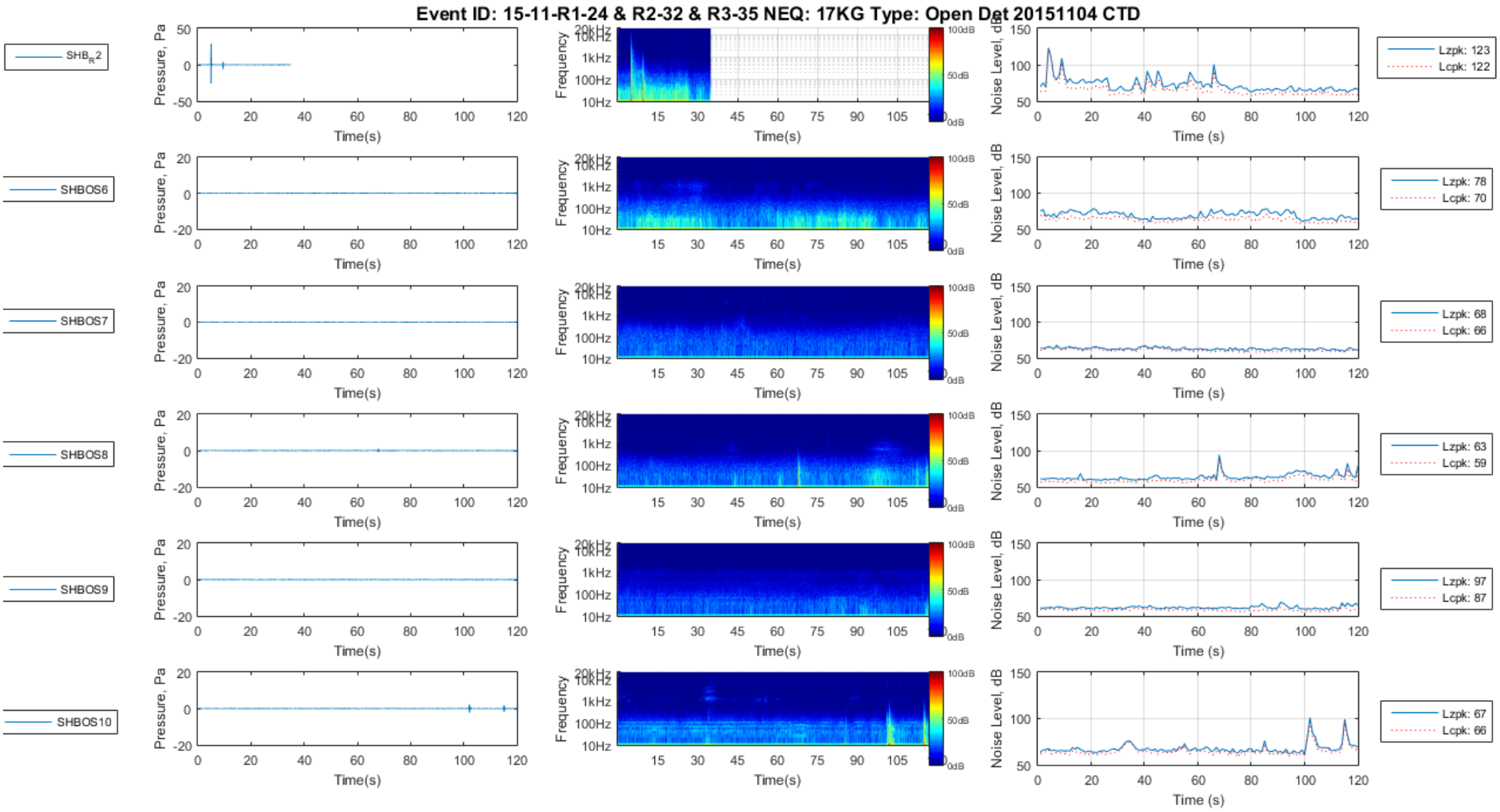


FIGURE 2.1599: SHB_OS 6 - 10 15-11-R1-24 & R2-32 & R3-35

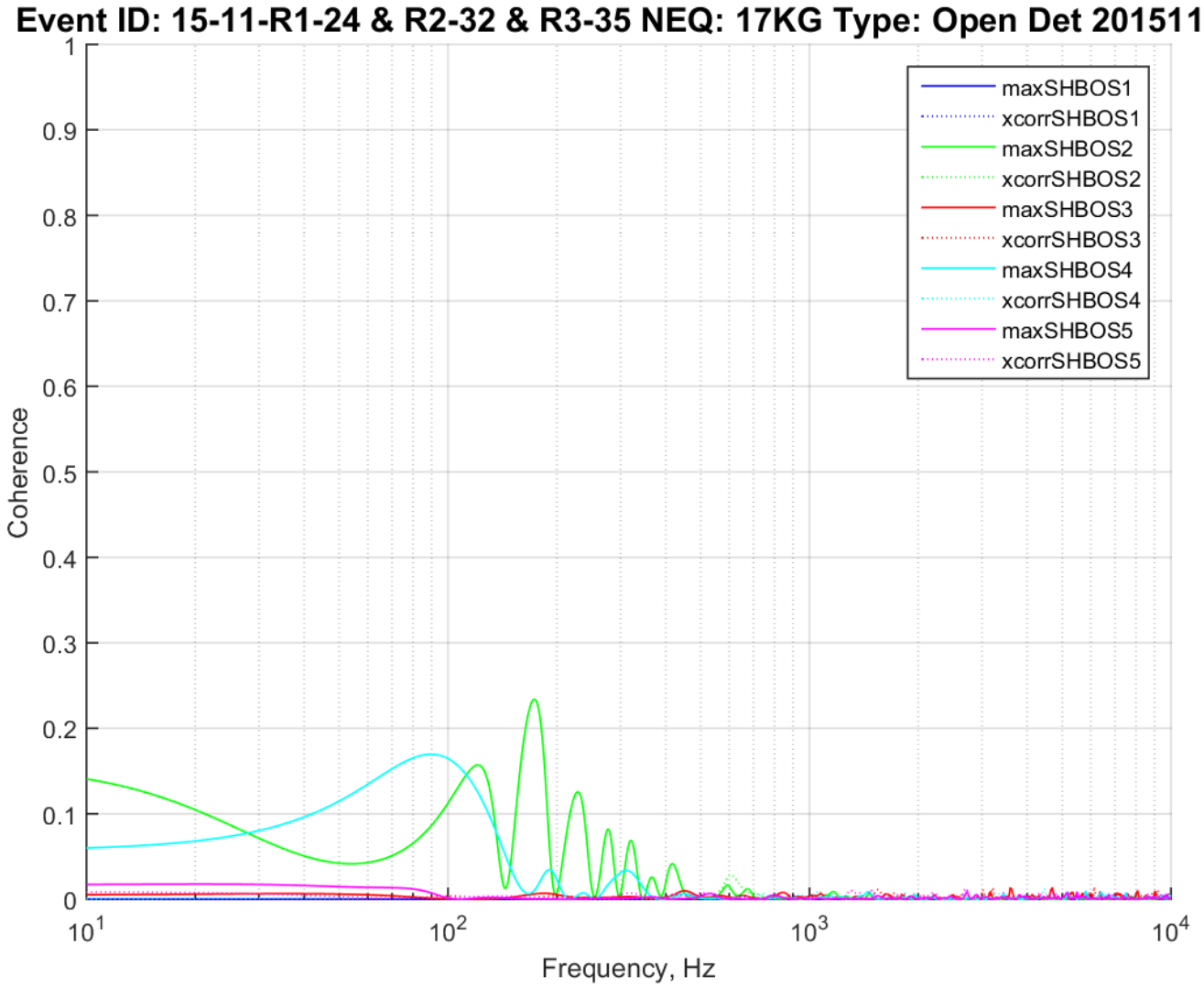


FIGURE 2.1600: COHERENCE SHB_OS 1 - 5 15-11-R1-24 & R2-32 & R3-35

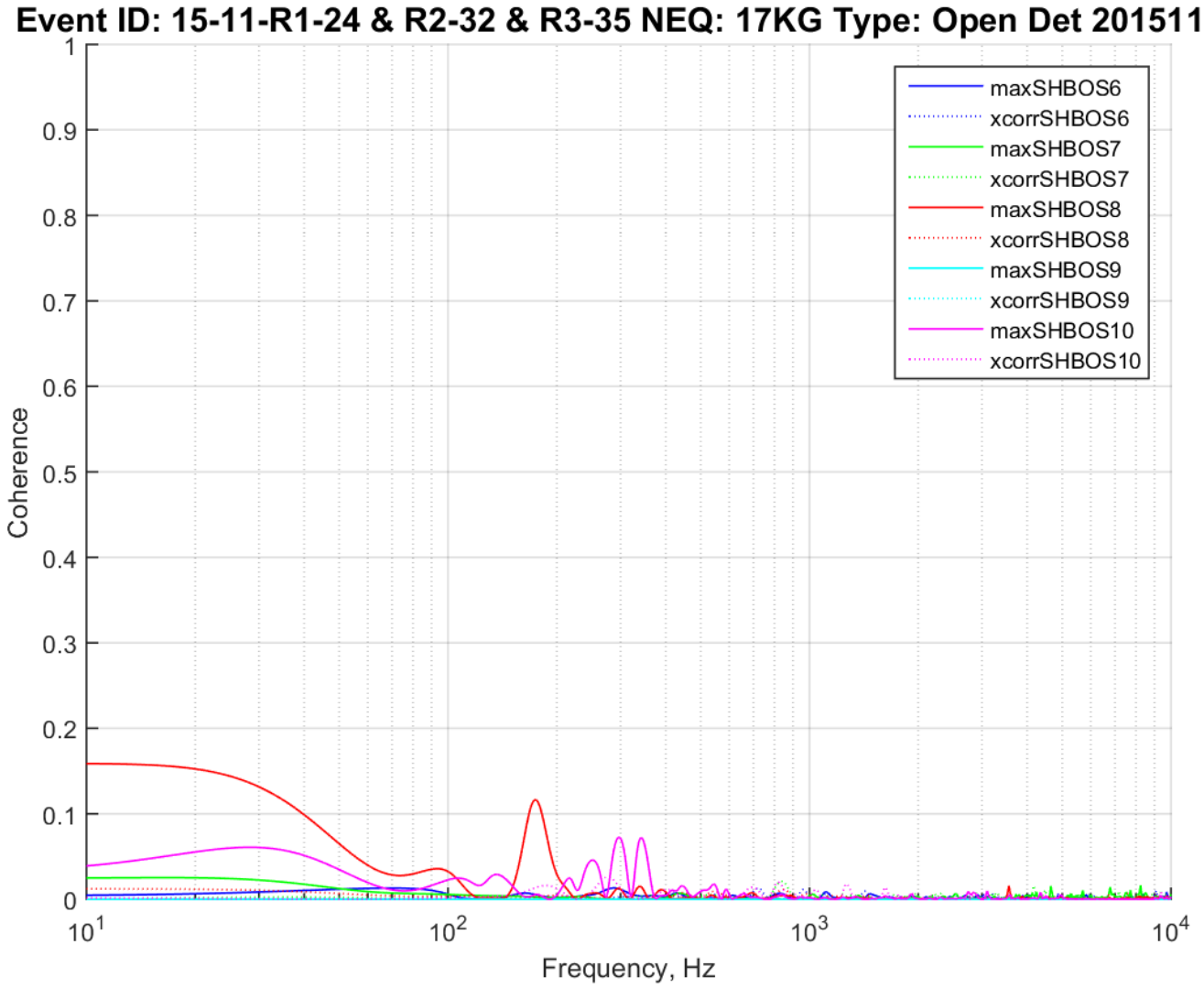


FIGURE 2.1601: COHERENCE SHB_OS 6 - 10 15-11-R1-24 & R2-32 & R3-35CTD

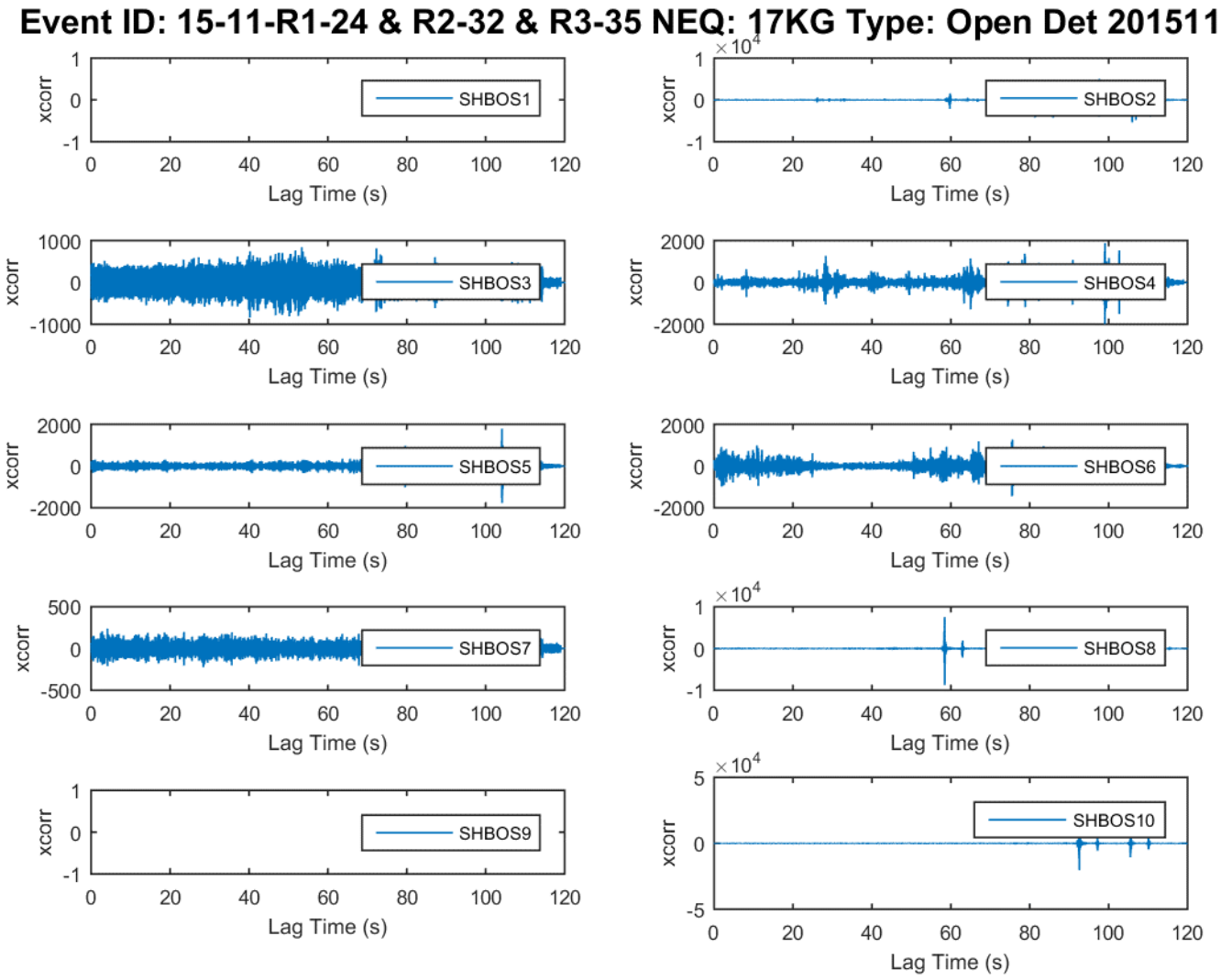


FIGURE 2.1602: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-24 & R2-32 & R3-35

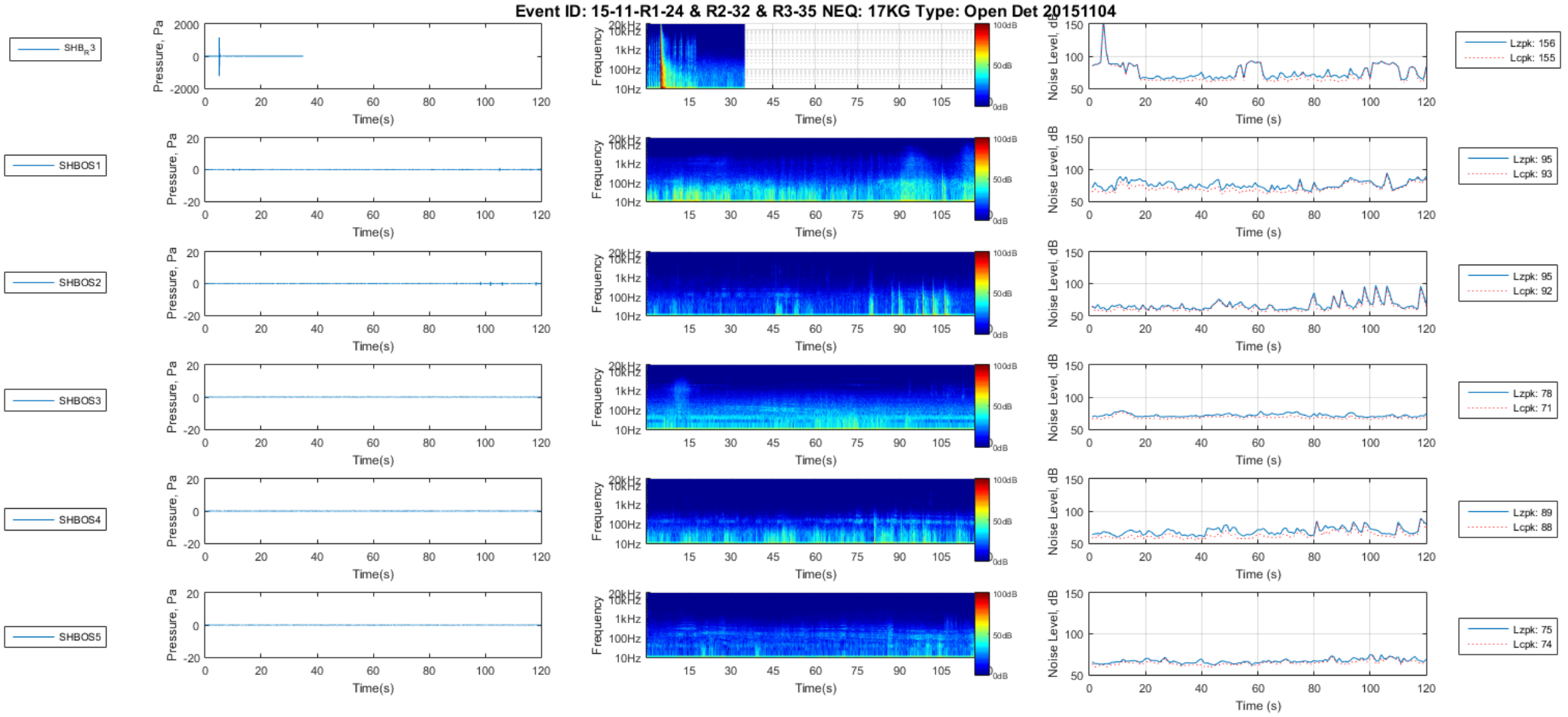


FIGURE 2.1603: SHB_OS 1 - 5 15-11-R1-24 & R2-32 & R3-35

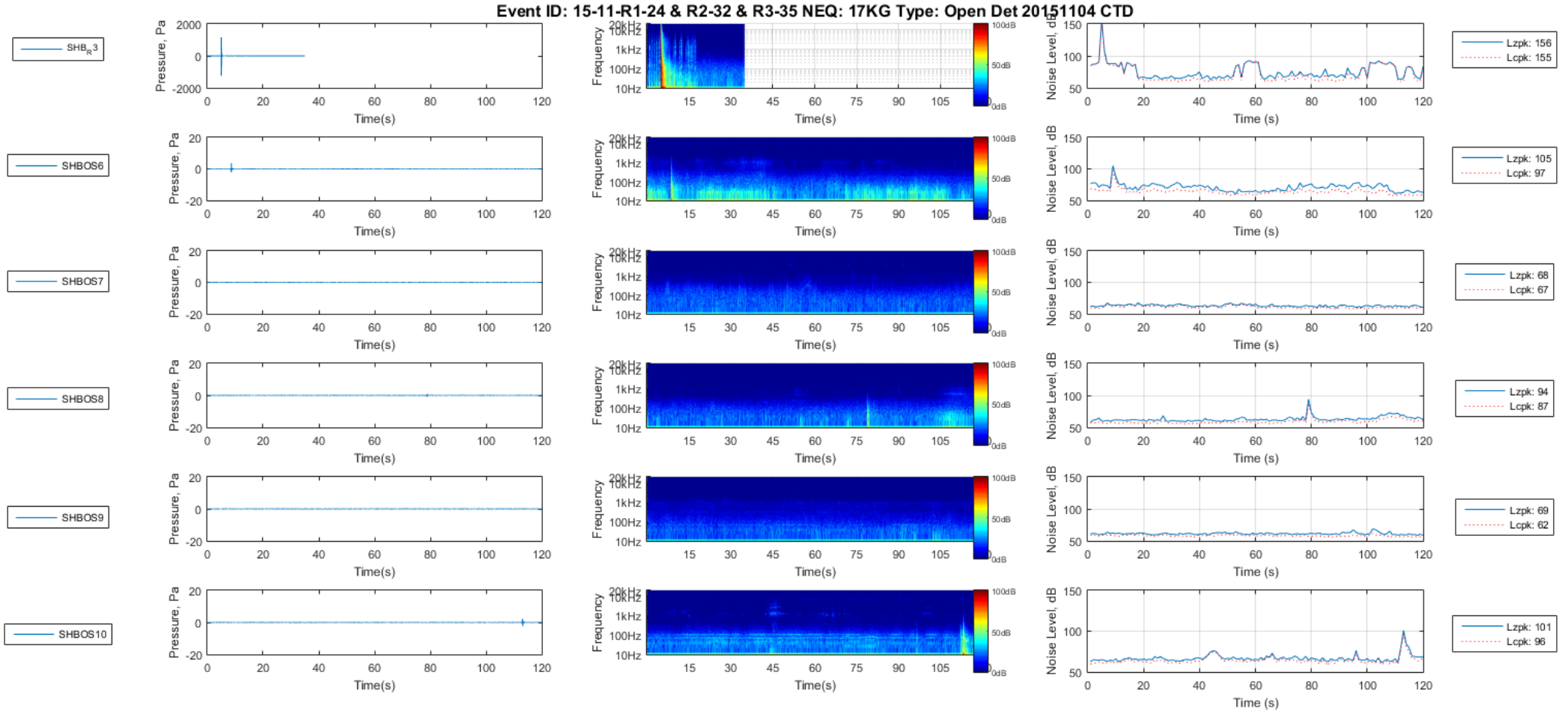


FIGURE 2.1604: SHB_OS 6 - 10 15-11-R1-24 & R2-32 & R3-35

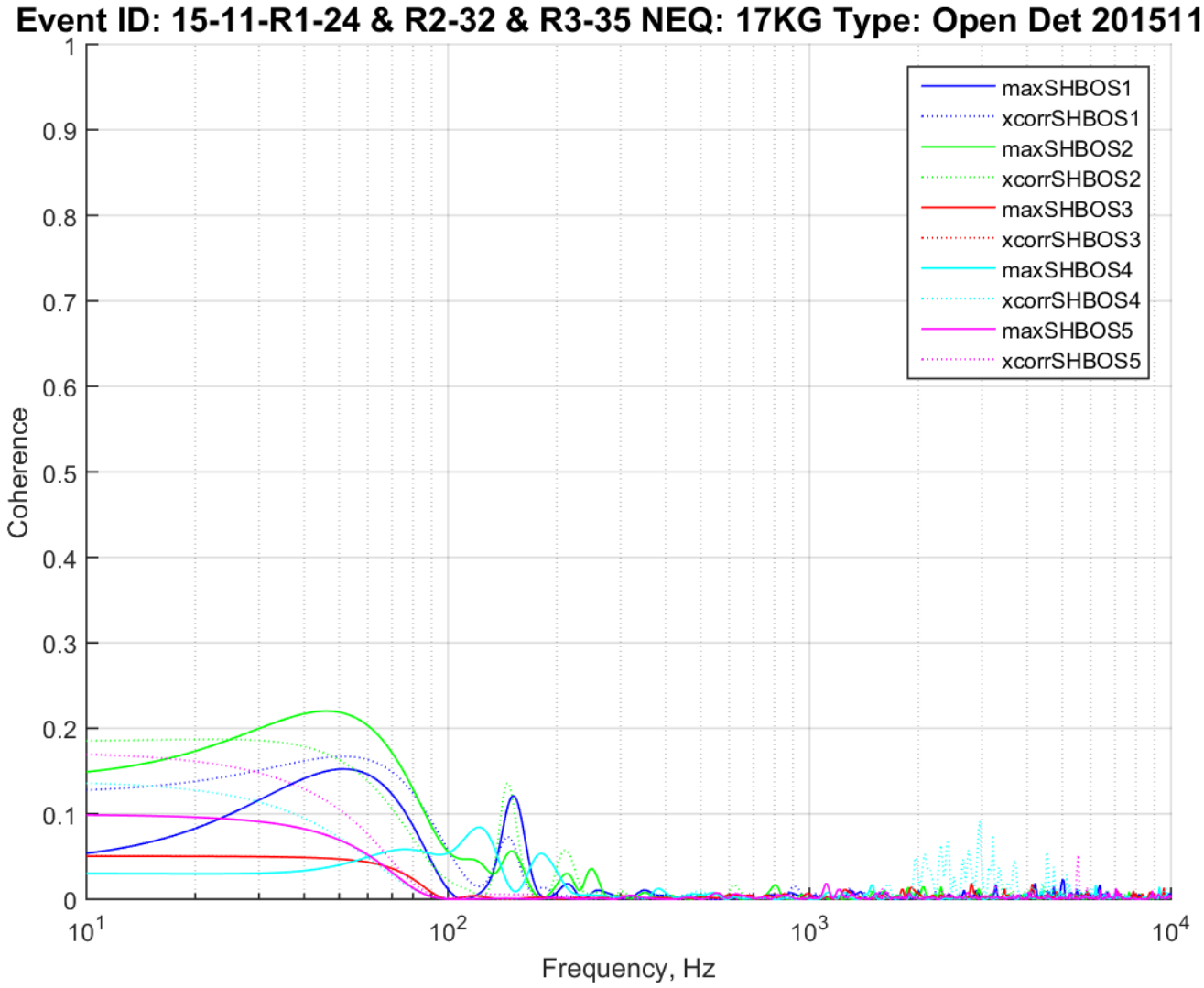


FIGURE 2.1605: COHERENCE SHB_OS 1 - 5 15-11-R1-24 & R2-32 & R3-35

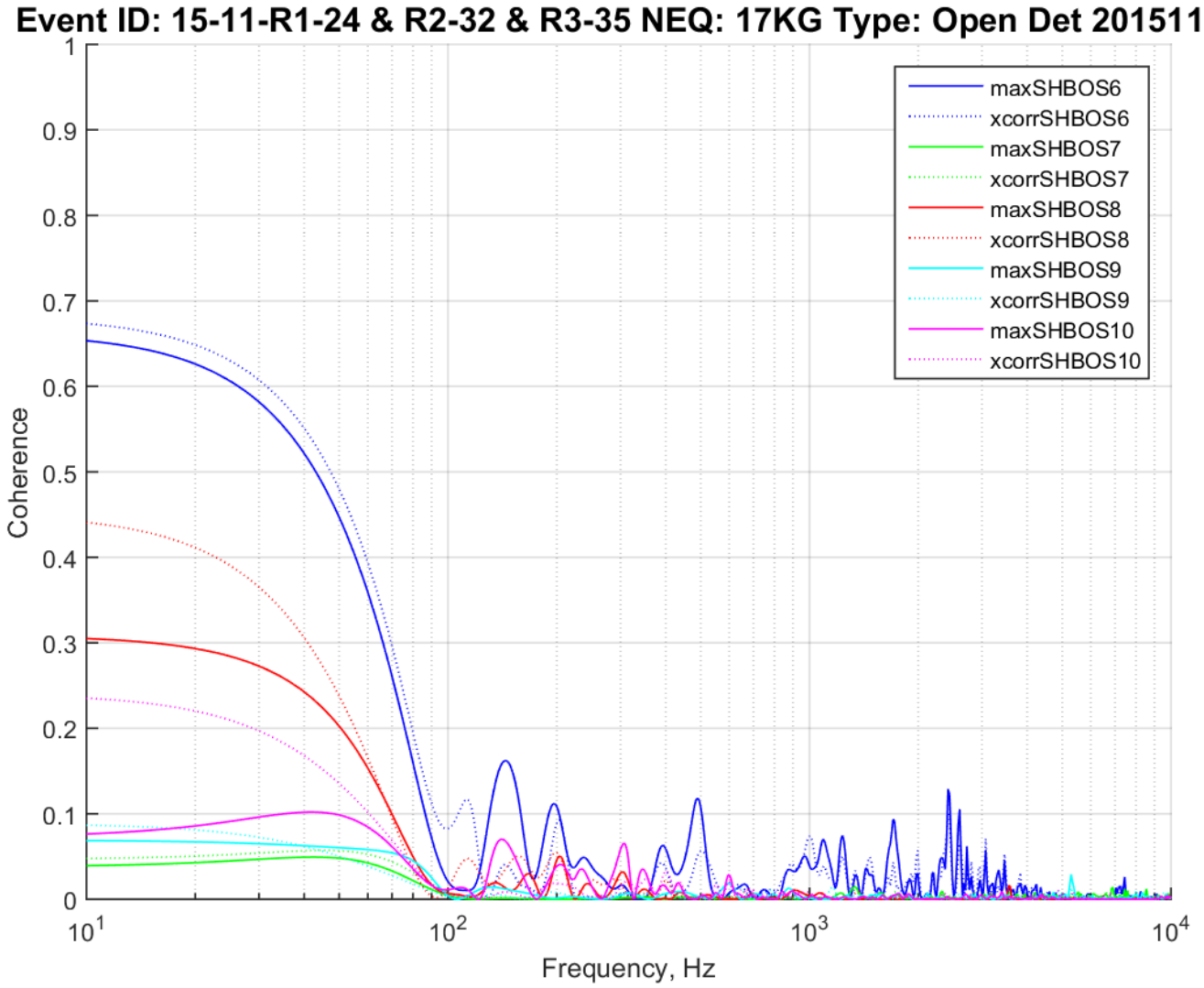


FIGURE 2.1606: COHERENCE SHB_OS 6 - 10 15-11-R1-24 & R2-32 & R3-35CTD

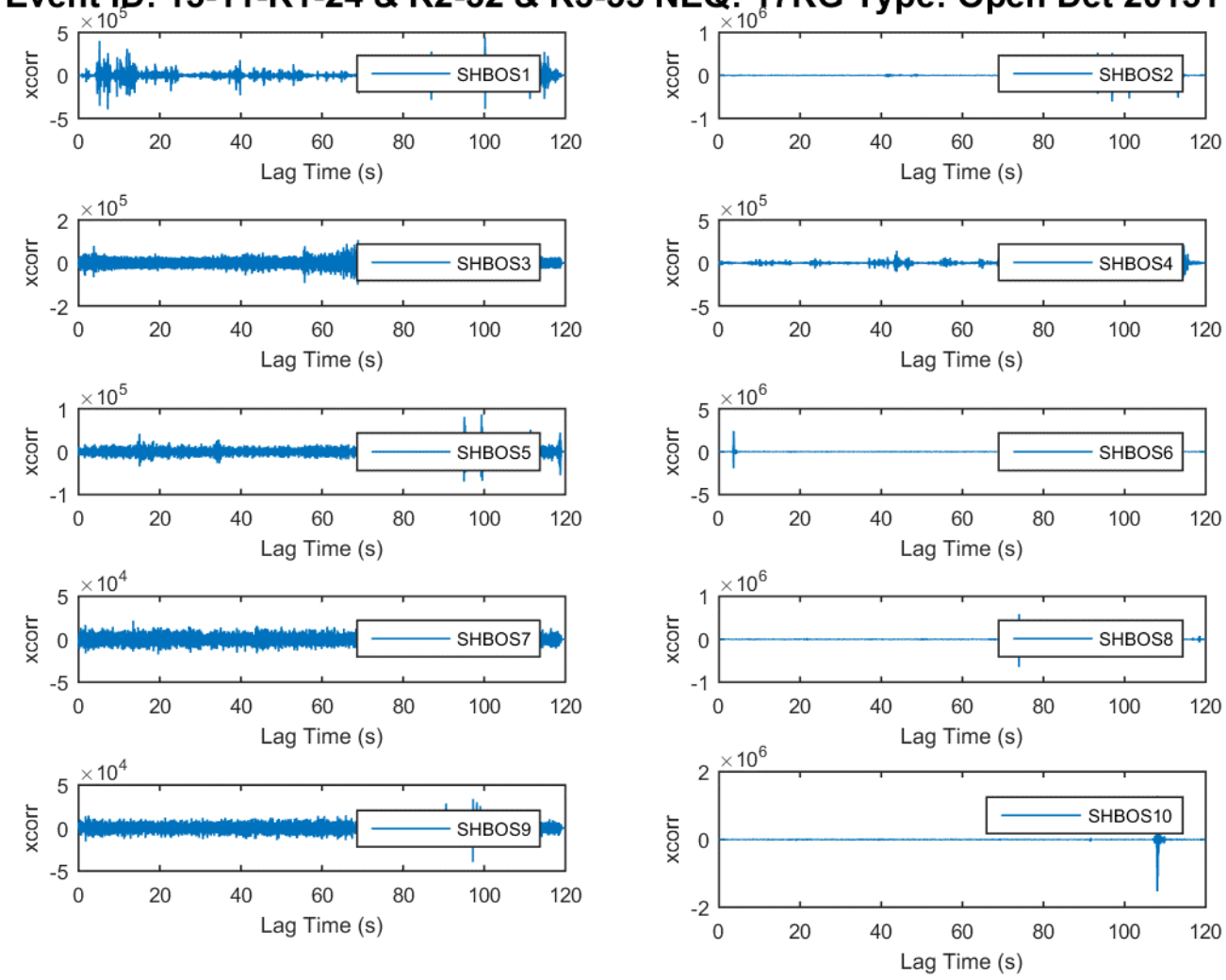


FIGURE 2.1607: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-24 & R2-32 & R3-35

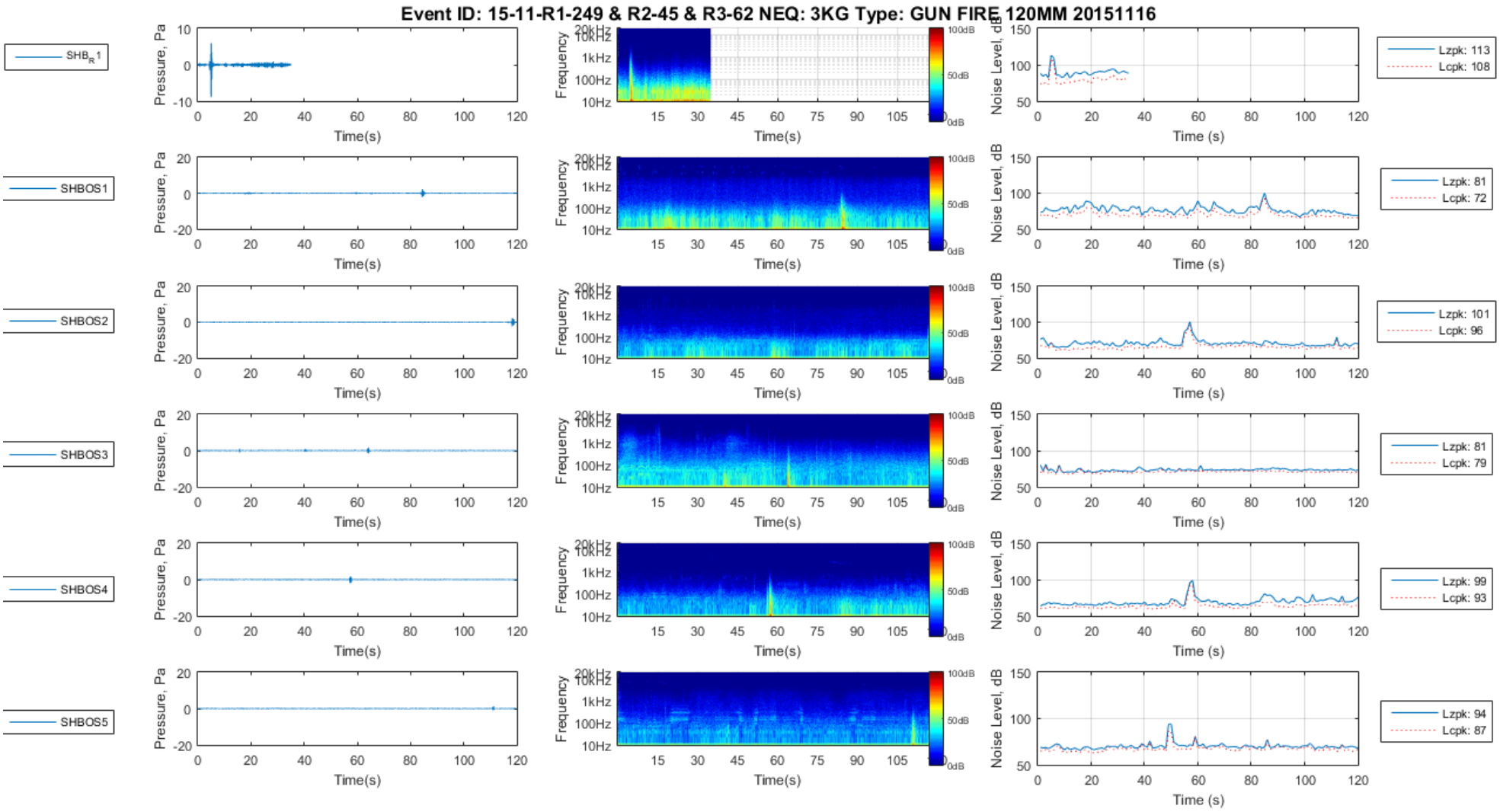


FIGURE 2.1608: SHB_OS 1 - 5 15-11-R1-249 & R2-45 & R3-62

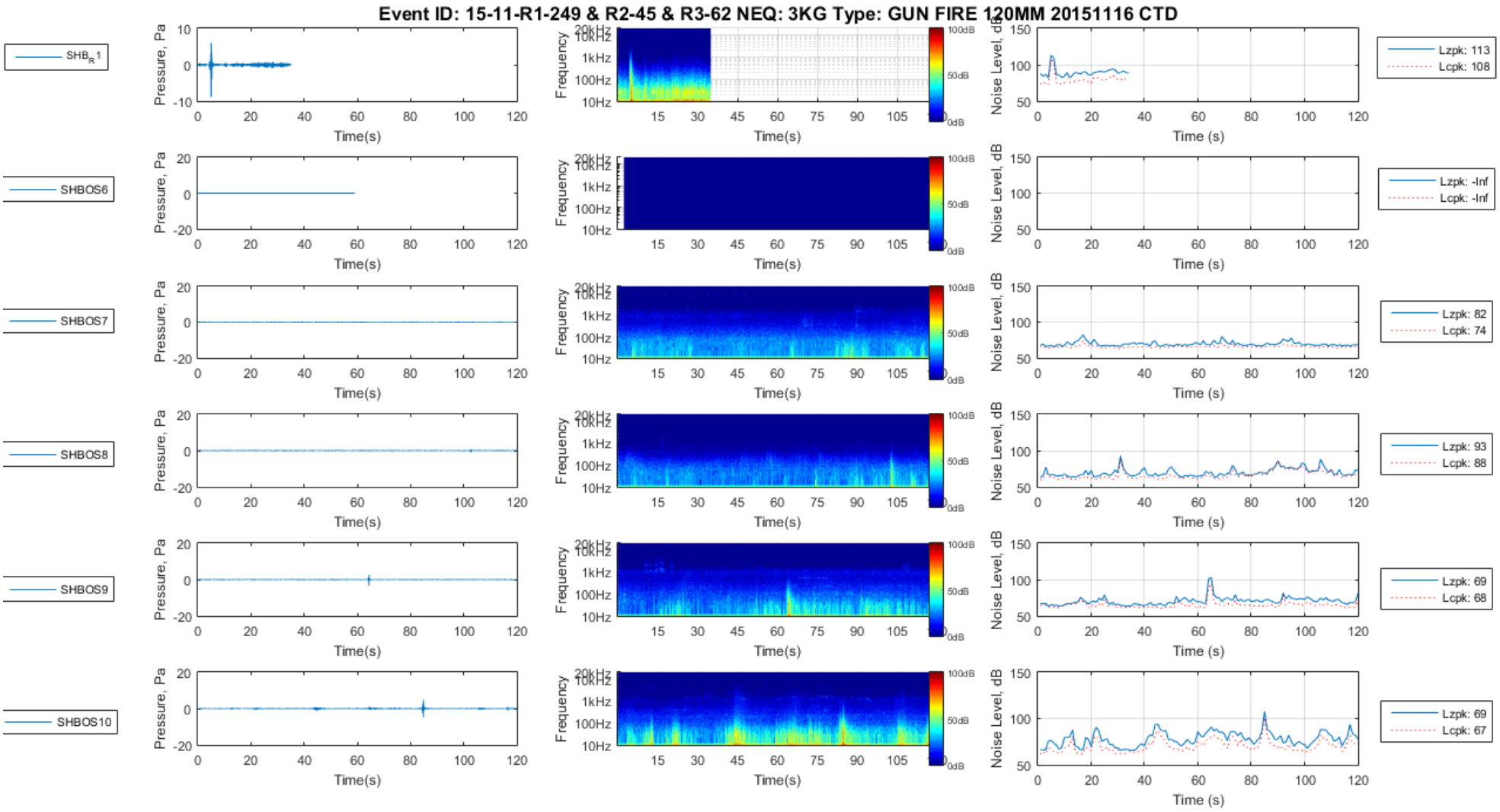


FIGURE 2.1609: SHB_OS 6 - 10 15-11-R1-249 & R2-45 & R3-62

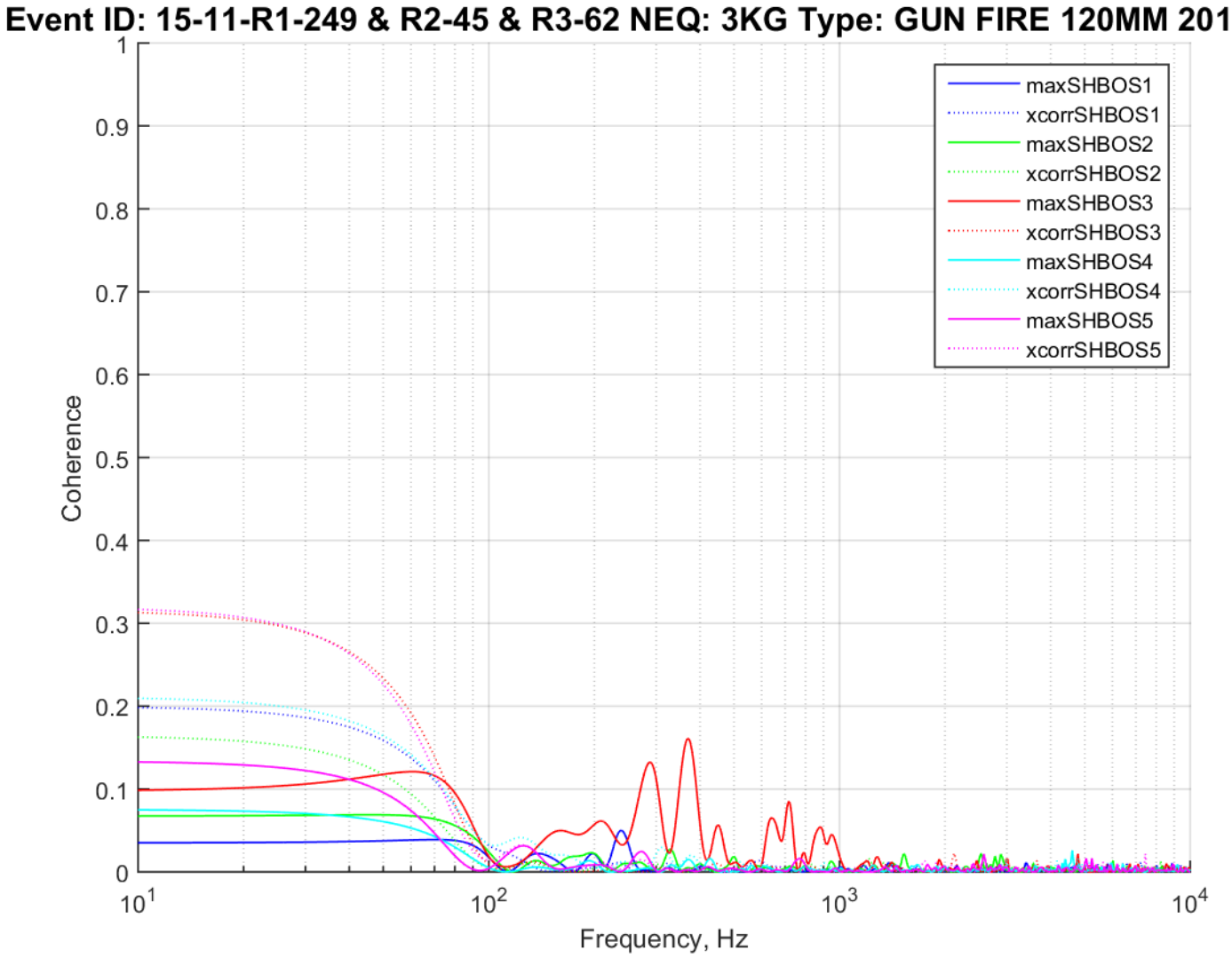


FIGURE 2.1610: COHERENCE SHB_OS 1 - 5 15-11-R1-249 & R2-45 & R3-62

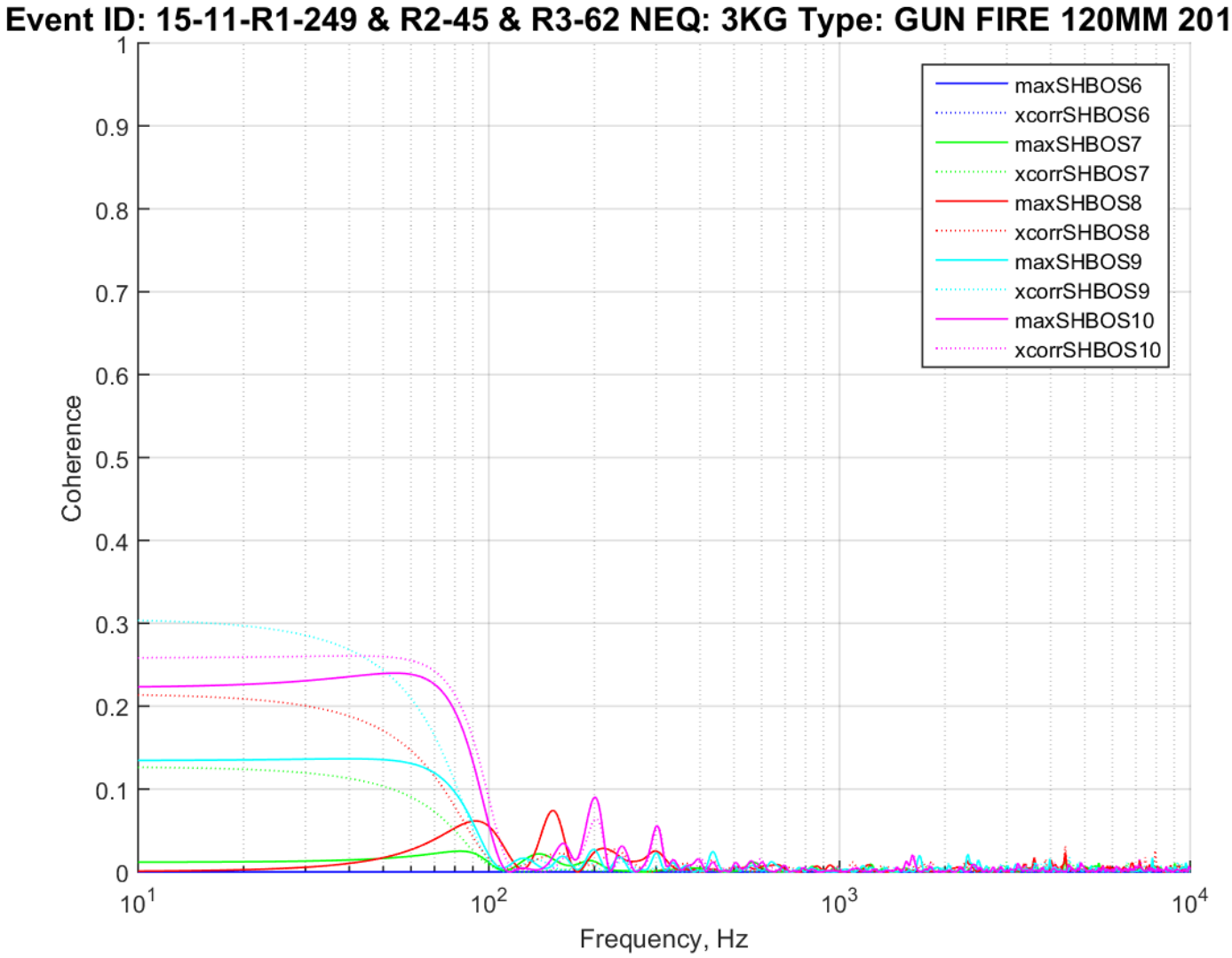


FIGURE 2.1611: COHERENCE SHB_OS 6 - 10 15-11-R1-249 & R2-45 & R3-62CTD

Event ID: 15-11-R1-249 & R2-45 & R3-62 NEQ: 3KG Type: GUN FIRE 120MM 20151116

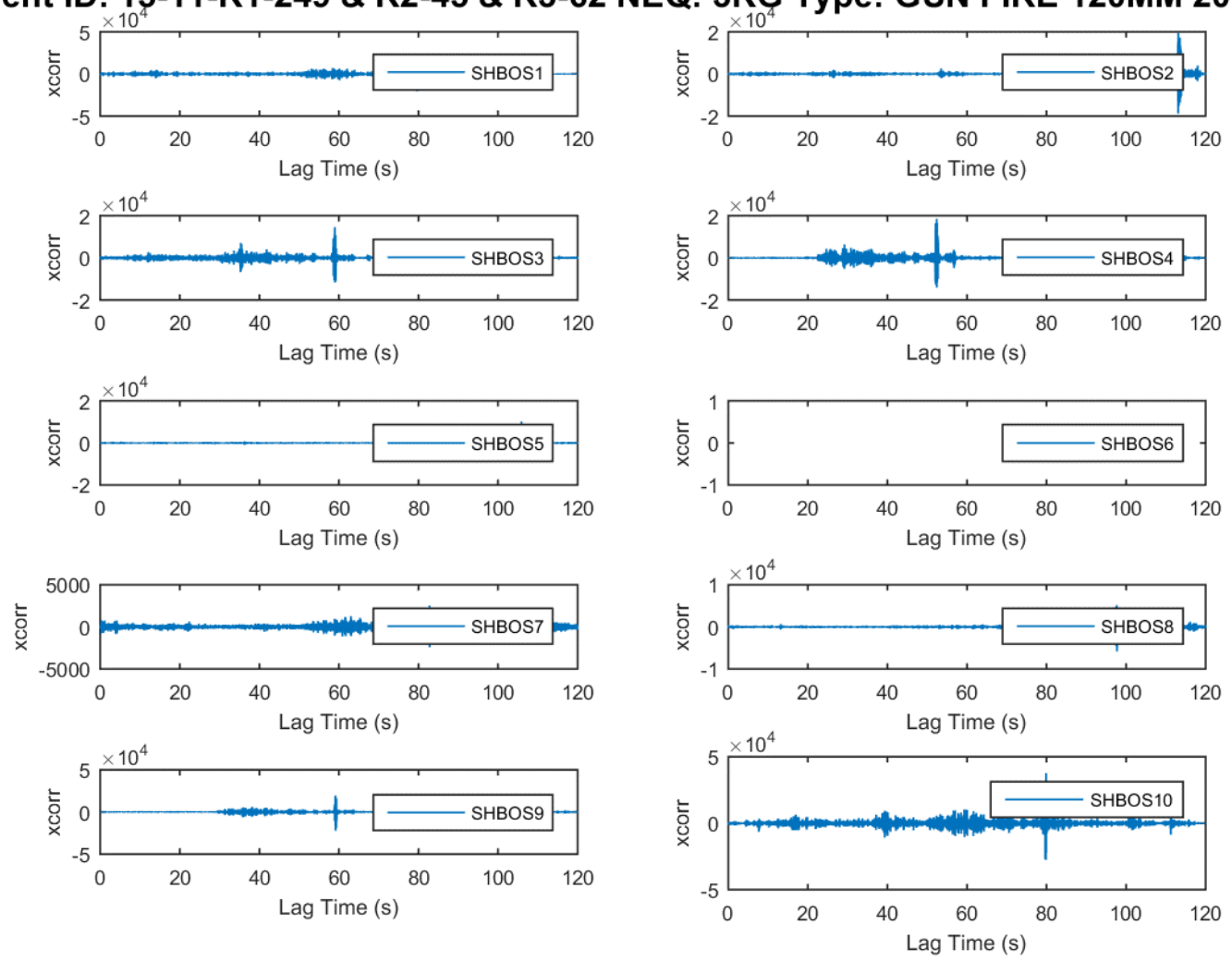


FIGURE 2.1612: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-249 & R2-45 & R3-62

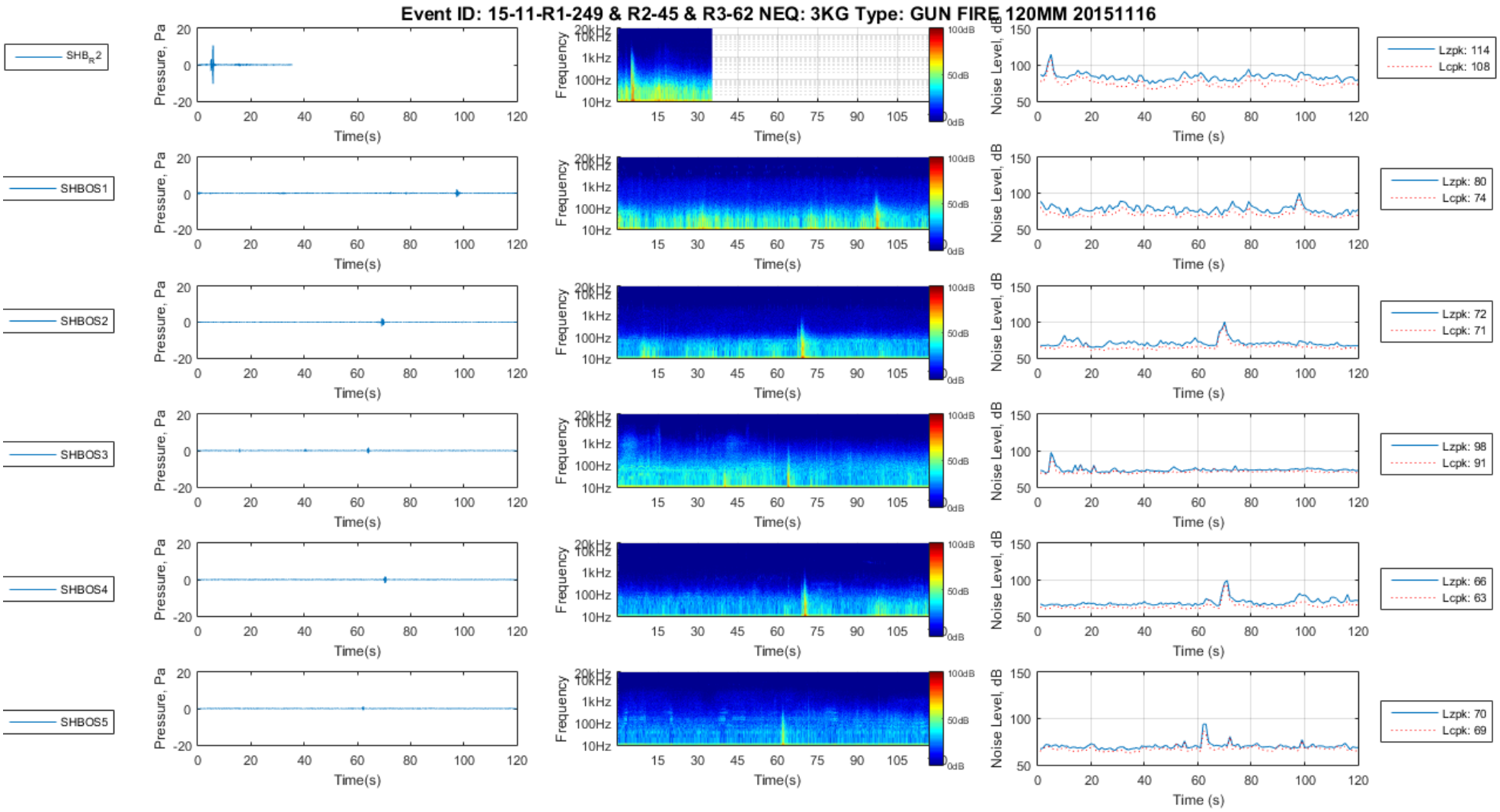


FIGURE 2.1613: SHB_OS 1 - 5 15-11-R1-249 & R2-45 & R3-62

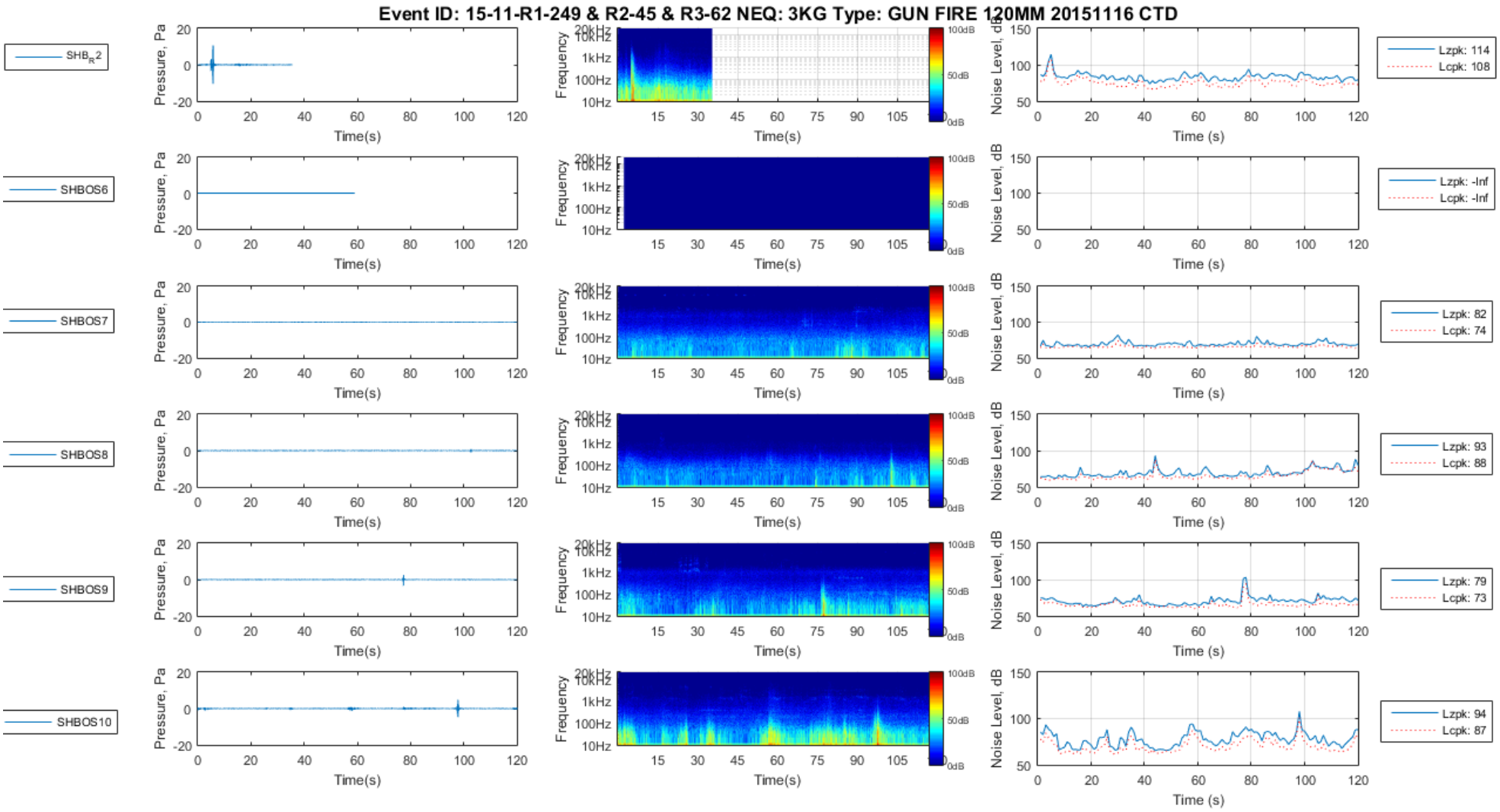


FIGURE 2.1614: SHB_OS 6 - 10 15-11-R1-249 & R2-45 & R3-62

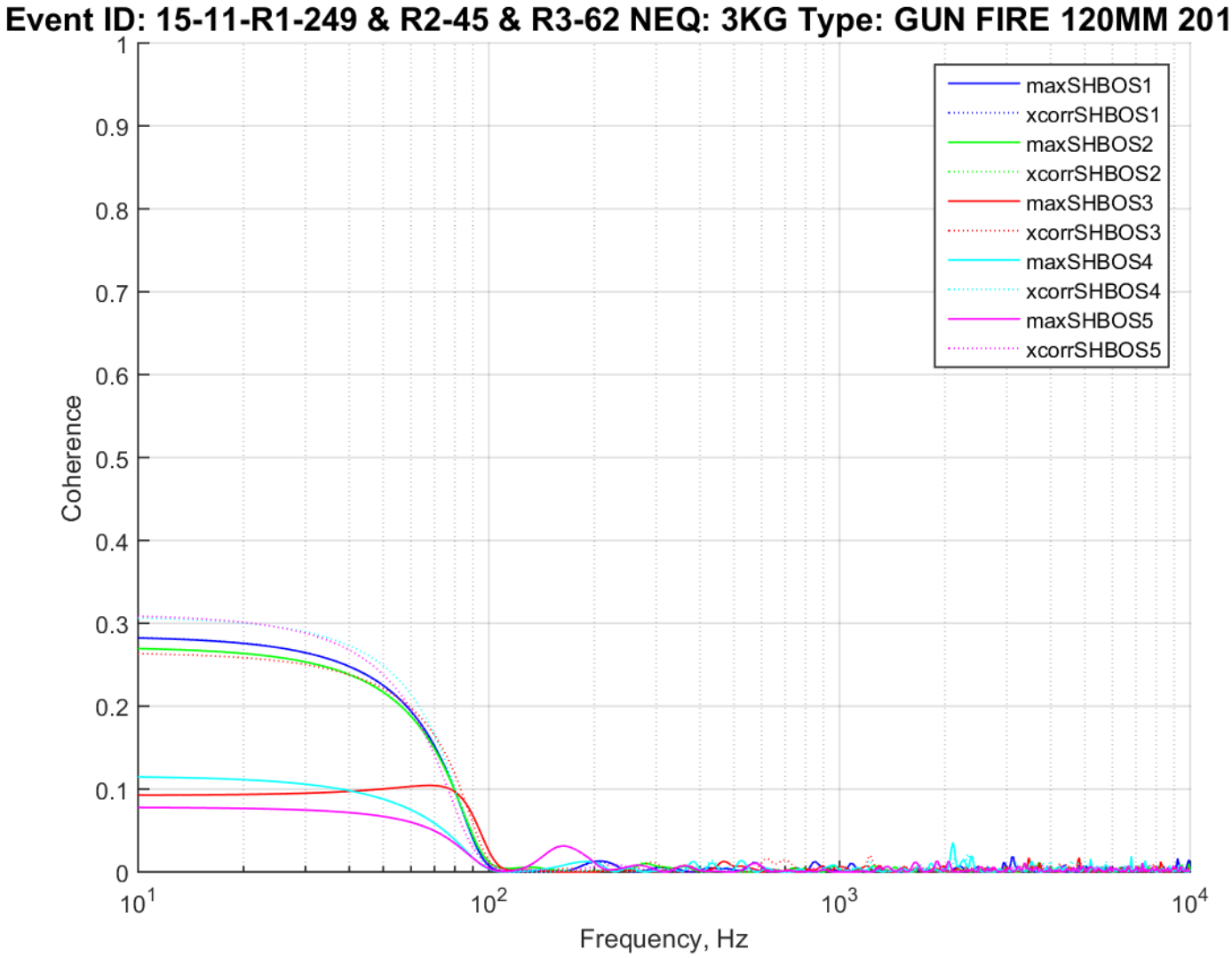


FIGURE 2.1615: COHERENCE SHB_OS 1 - 5 15-11-R1-249 & R2-45 & R3-62

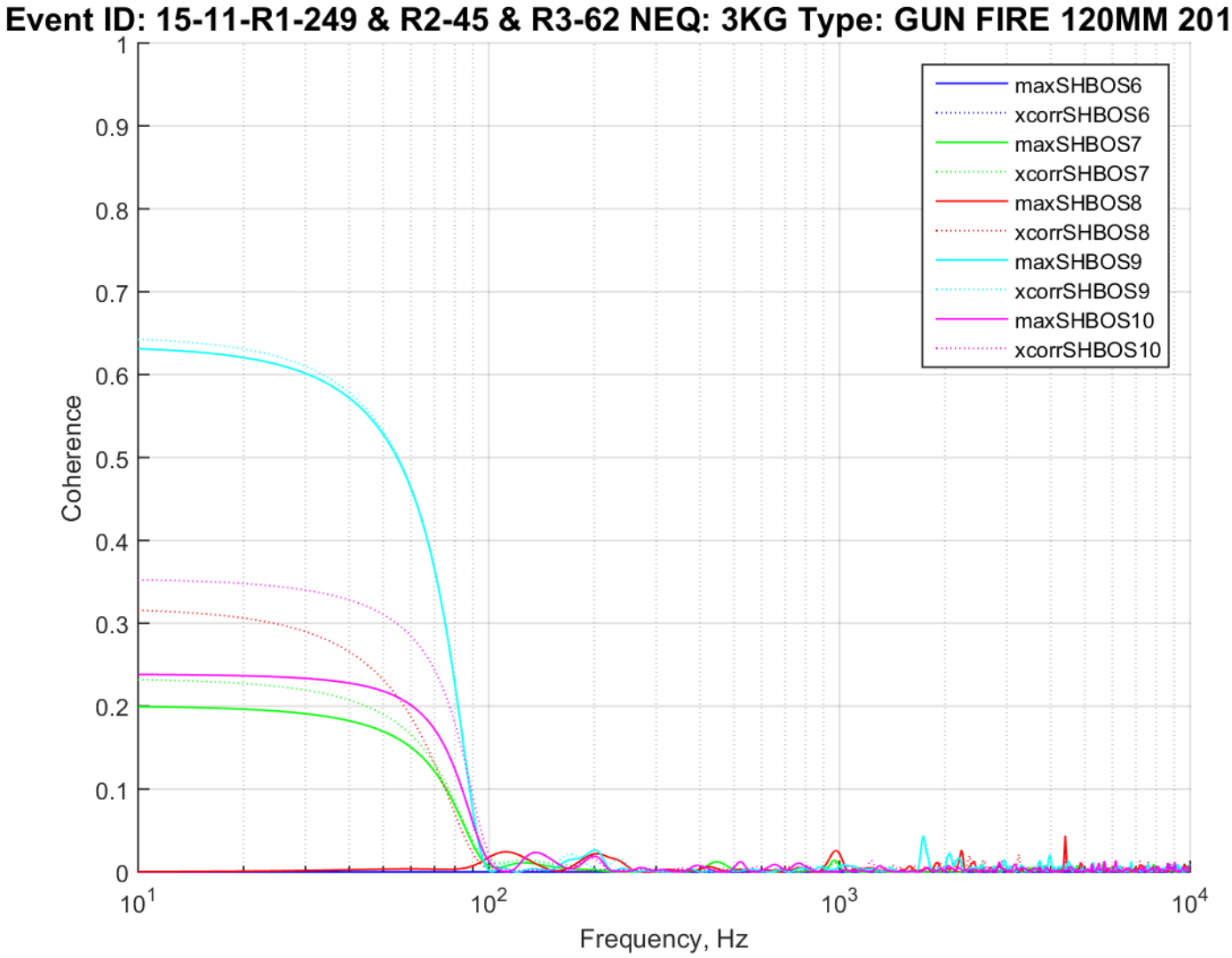


FIGURE 2.1616: COHERENCE SHB_OS 6 - 10 15-11-R1-249 & R2-45 & R3-62CTD

Event ID: 15-11-R1-249 & R2-45 & R3-62 NEQ: 3KG Type: GUN FIRE 120MM 20151116

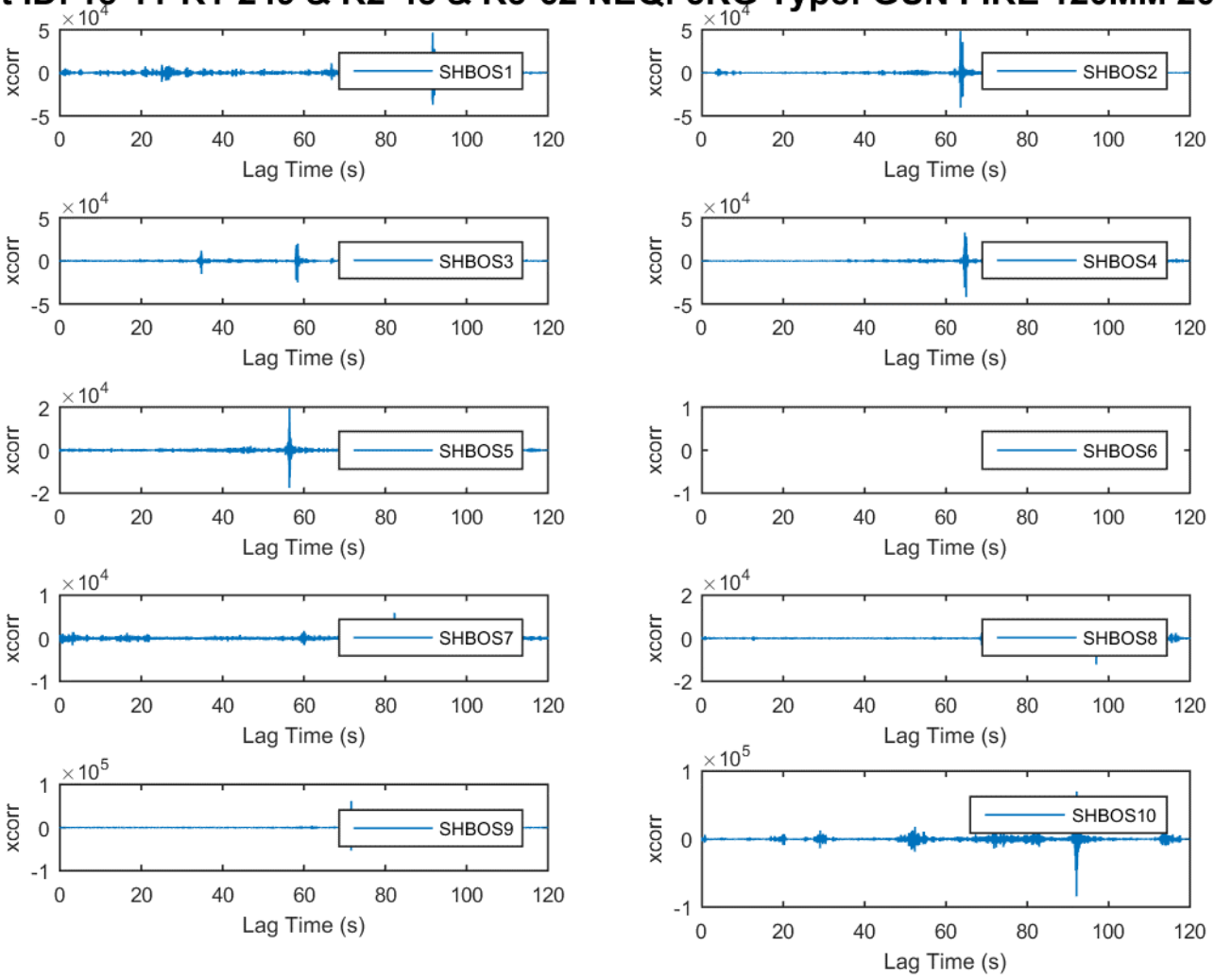


FIGURE 2.1617: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-249 & R2-45 & R3-62

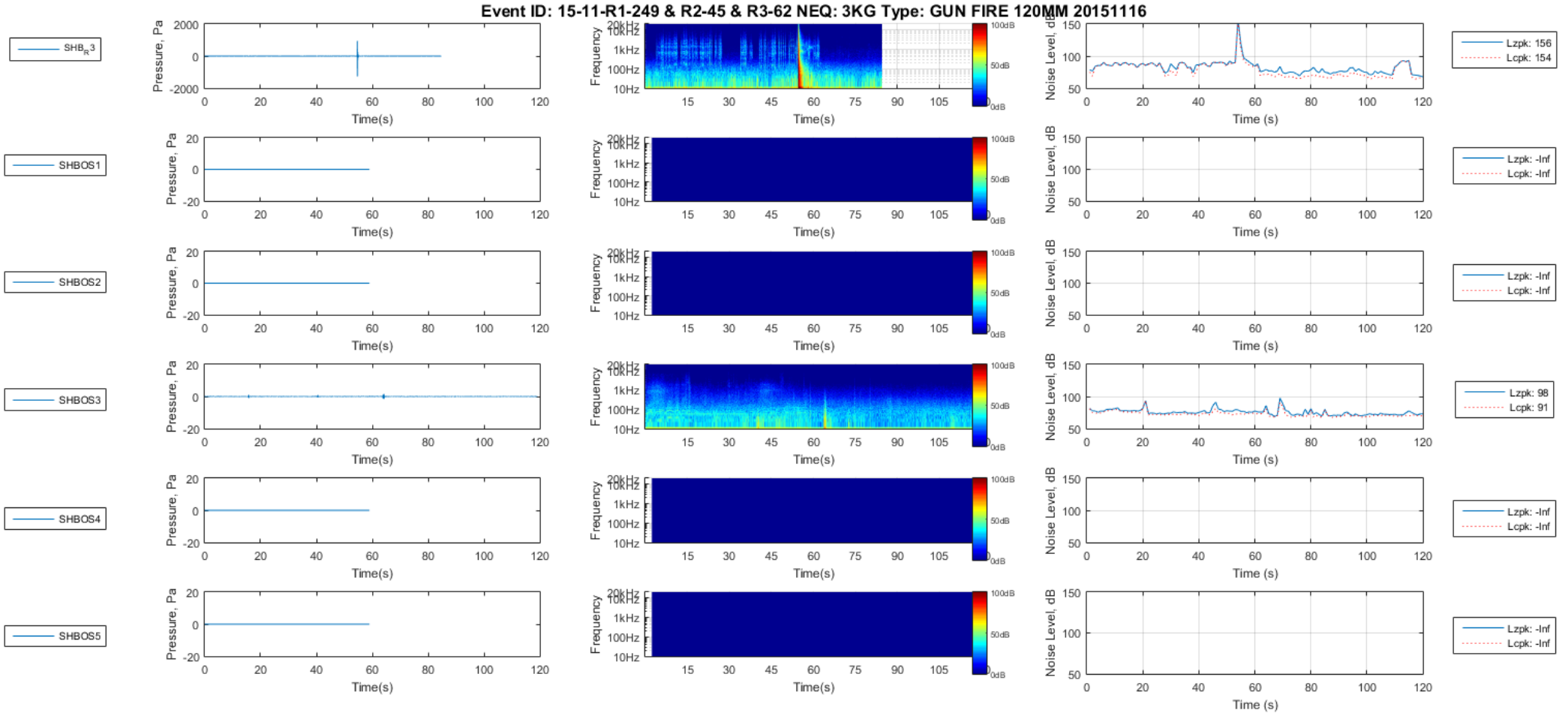


FIGURE 2.1618: SHB_OS 1 - 5 15-11-R1-249 & R2-45 & R3-62

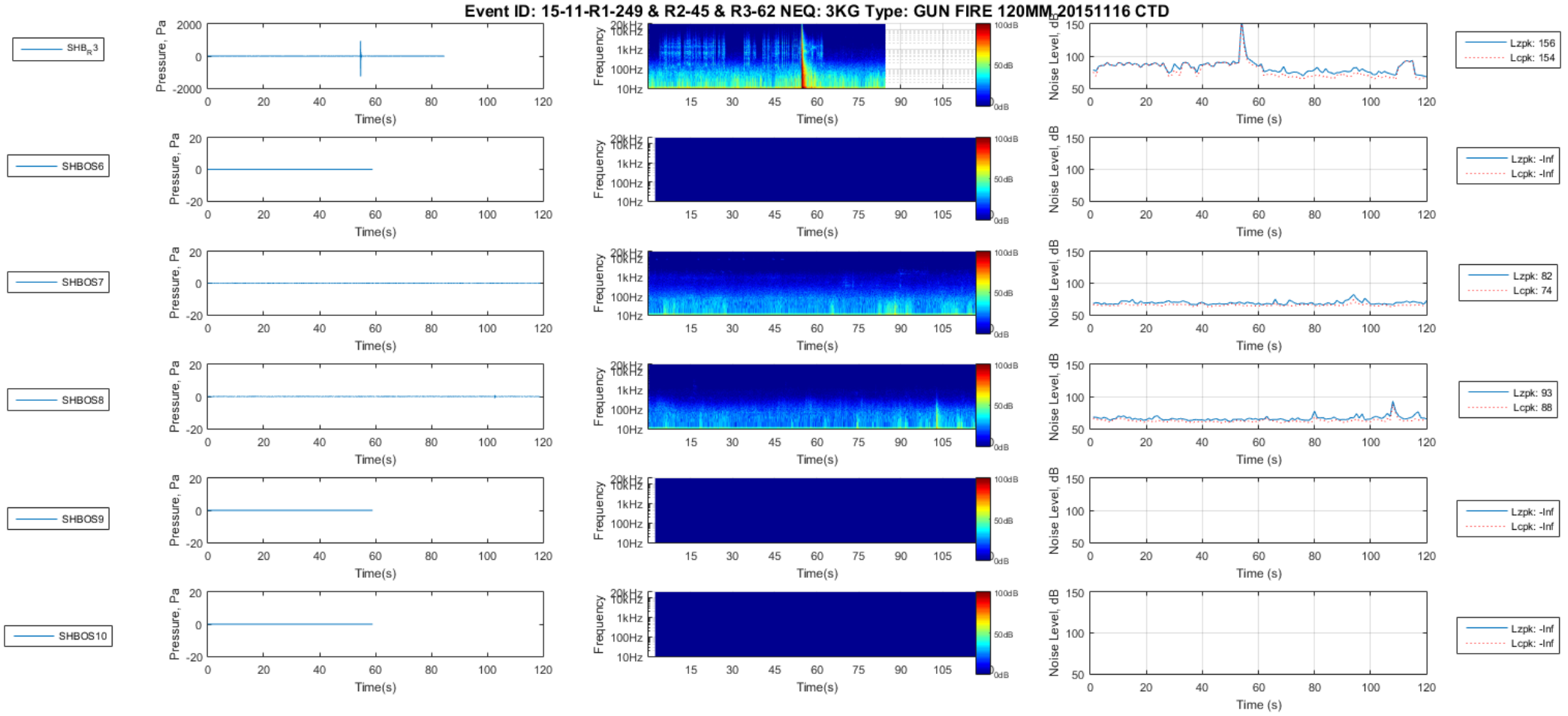


FIGURE 2.1619: SHB_OS 6 - 10 15-11-R1-249 & R2-45 & R3-62

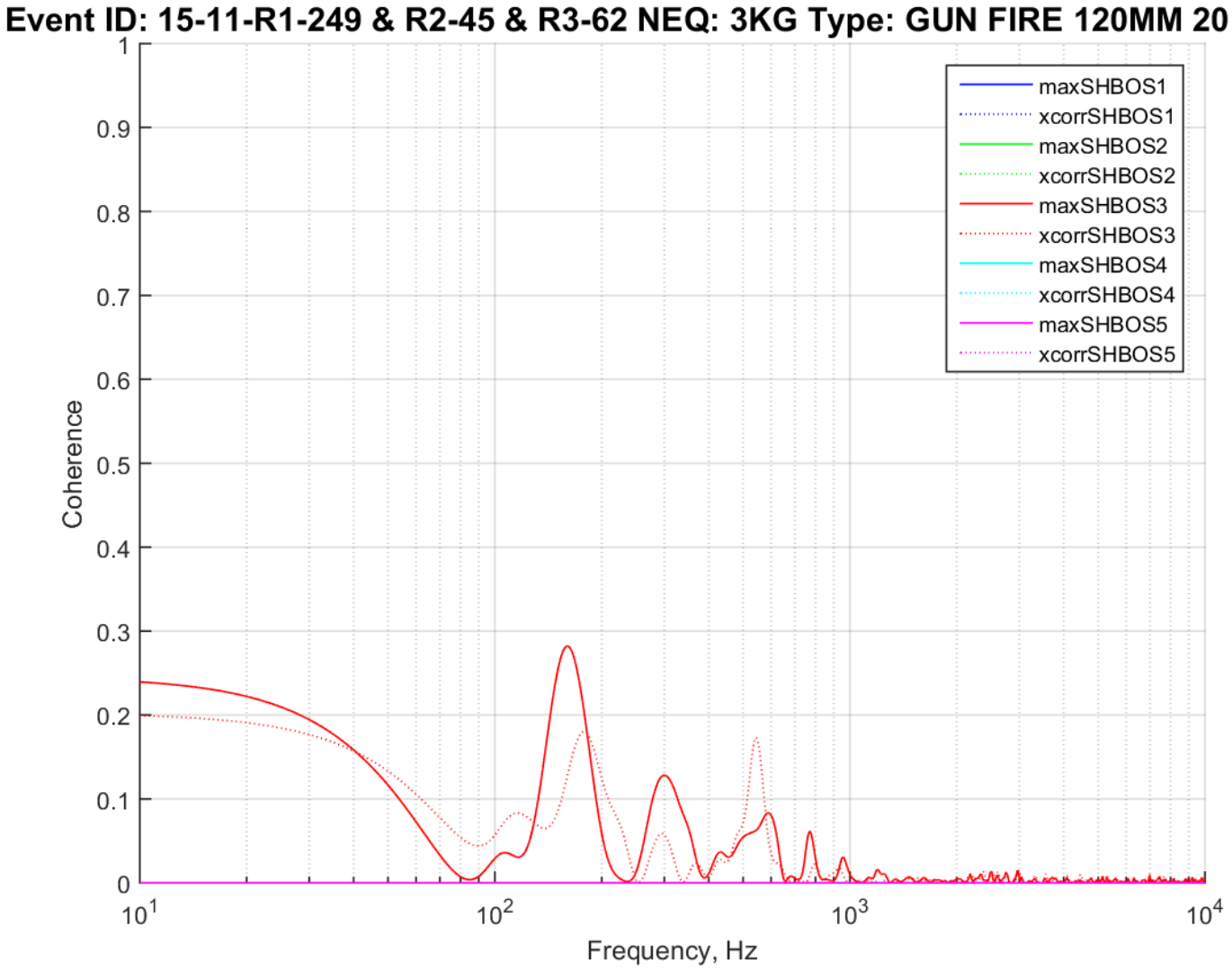


FIGURE 2.1620: COHERENCE SHB_OS 1 - 5 15-11-R1-249 & R2-45 & R3-62

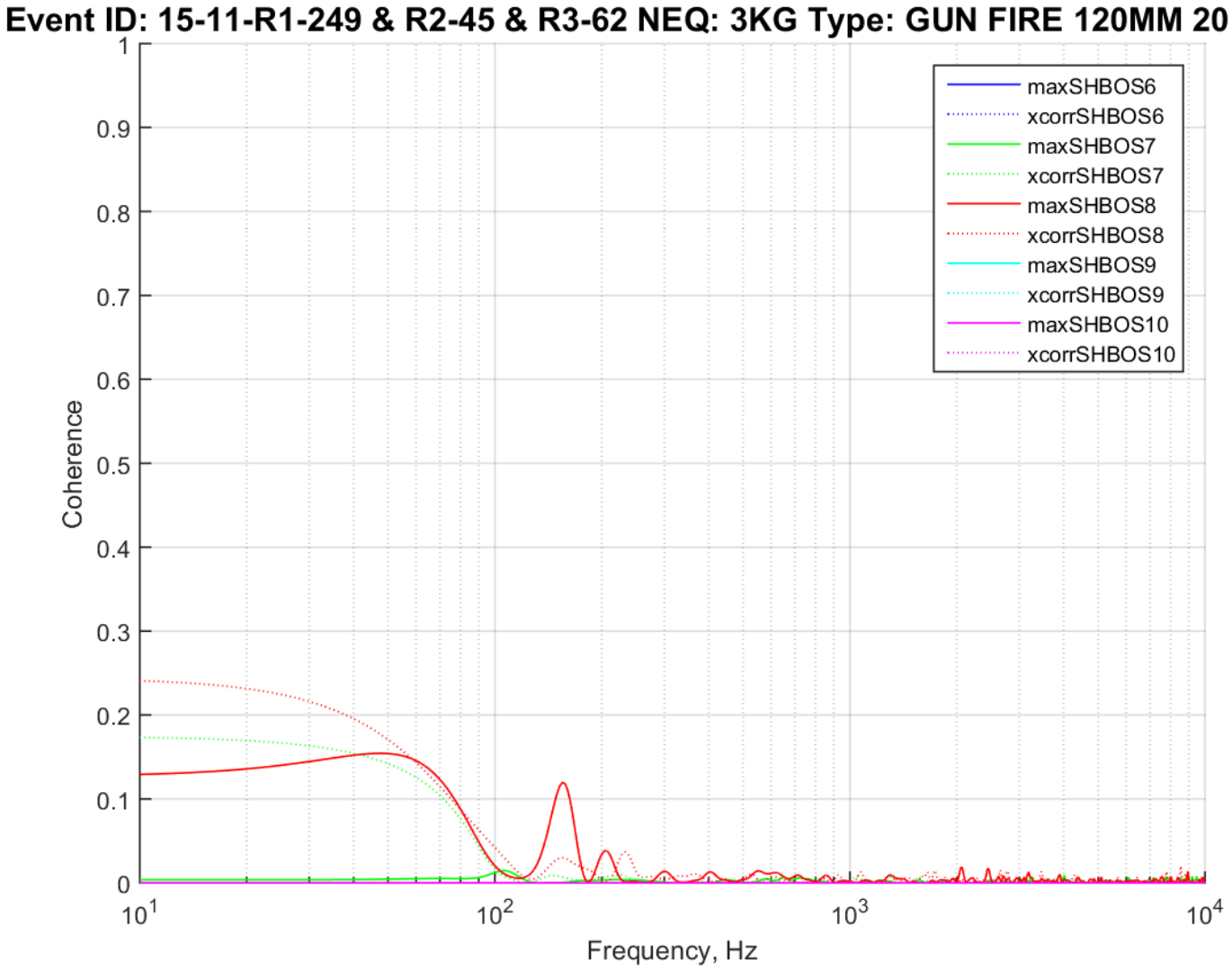


FIGURE 2.1621: COHERENCE SHB_OS 6 - 10 15-11-R1-249 & R2-45 & R3-62CTD

Event ID: 15-11-R1-249 & R2-45 & R3-62 NEQ: 3KG Type: GUN FIRE 120MM 20151116

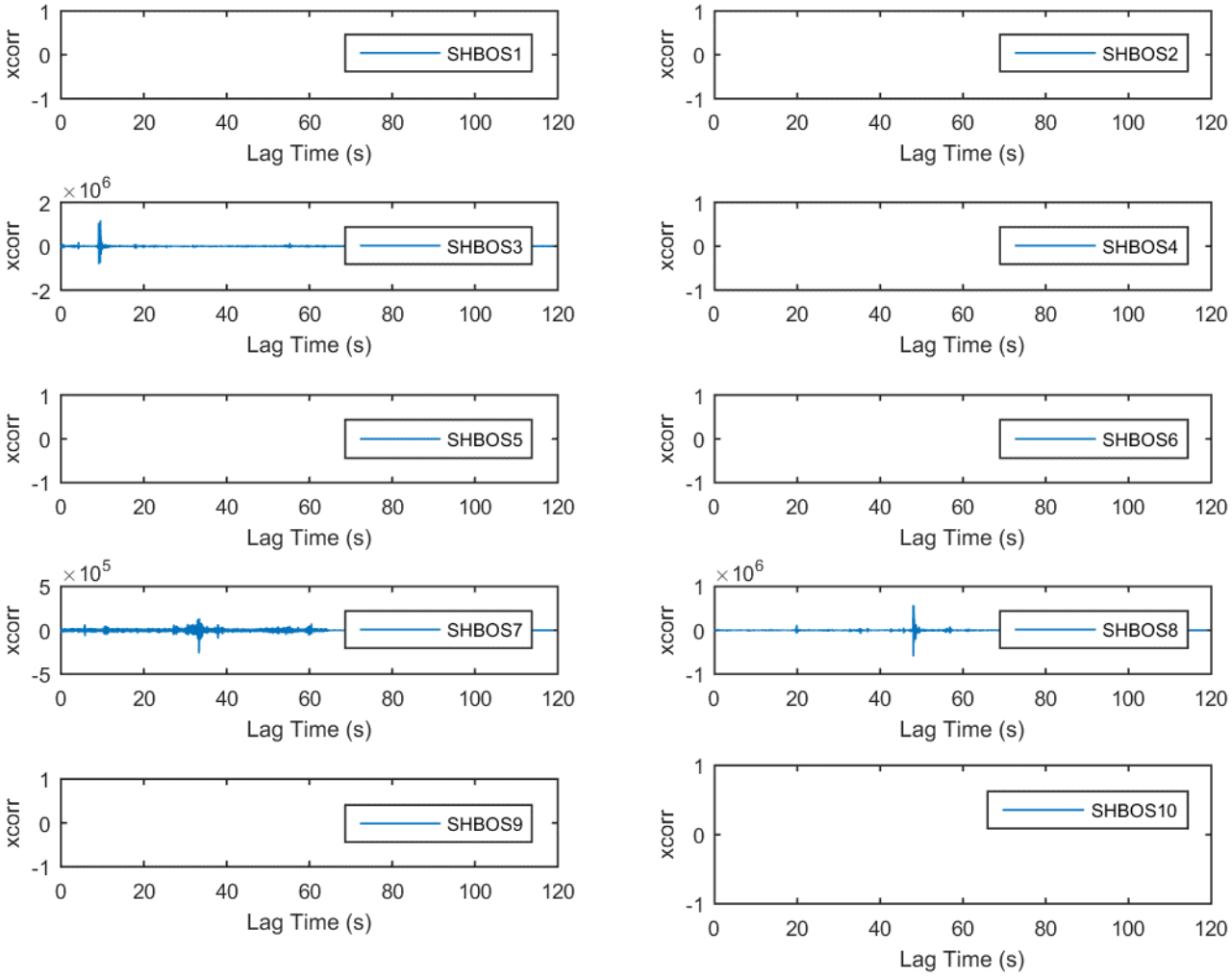


FIGURE 2.1622: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-249 & R2-45 & R3-62

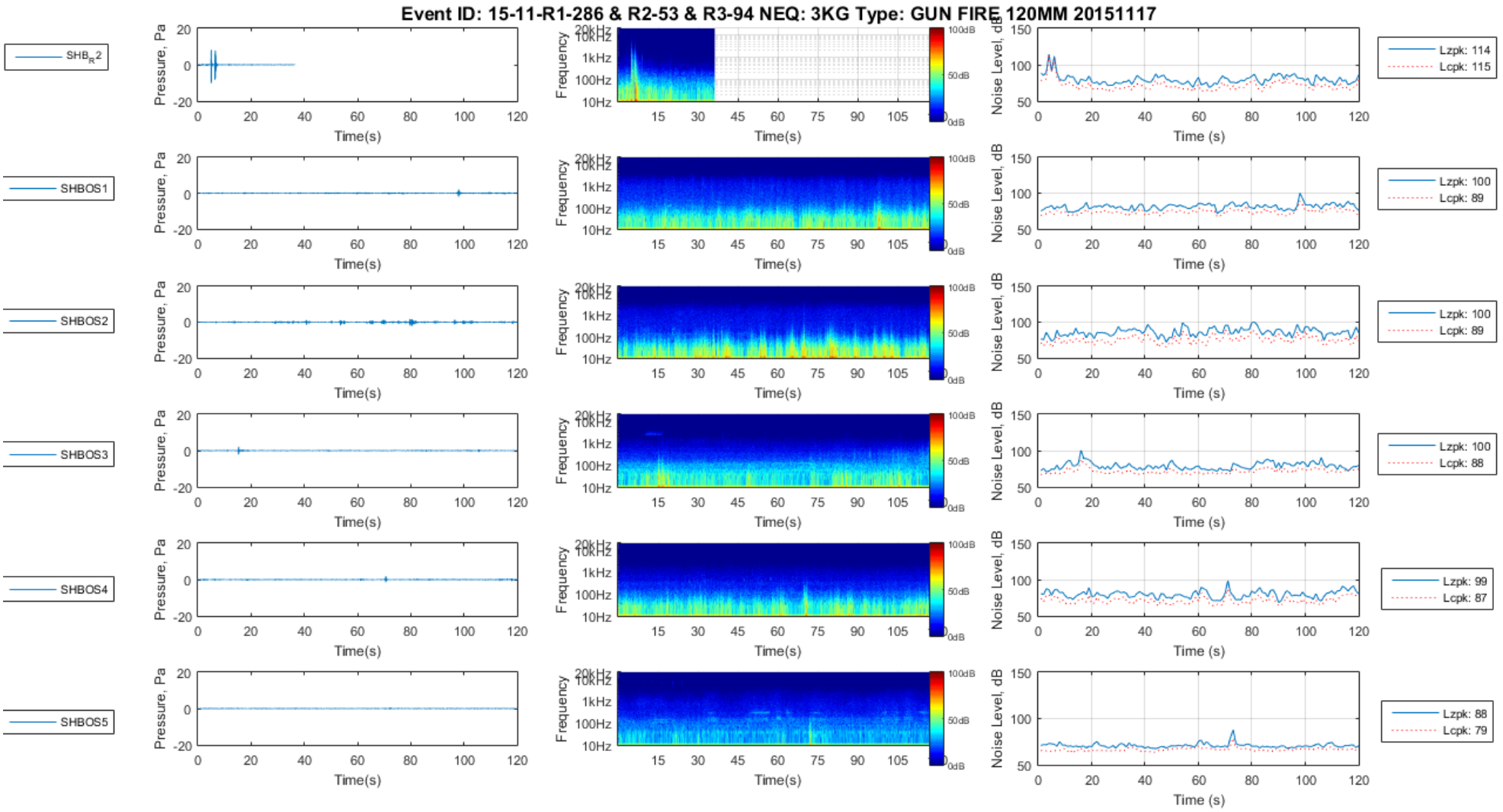


FIGURE 2.1623: SHB_OS 1 - 5 15-11-R1-286 & R2-53 & R3-94

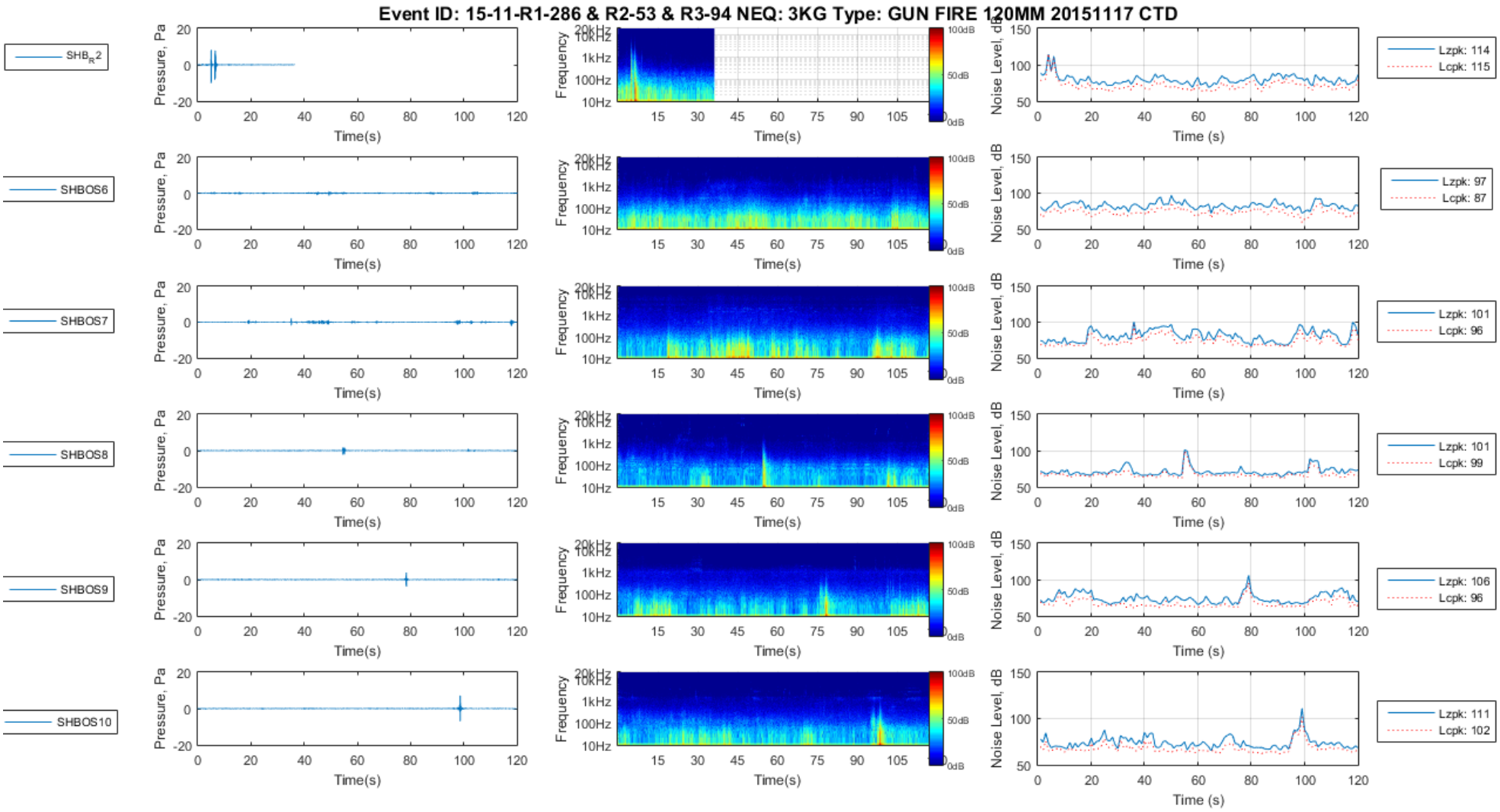


FIGURE 2.1624: SHB_OS 6 - 10 15-11-R1-286 & R2-53 & R3-94

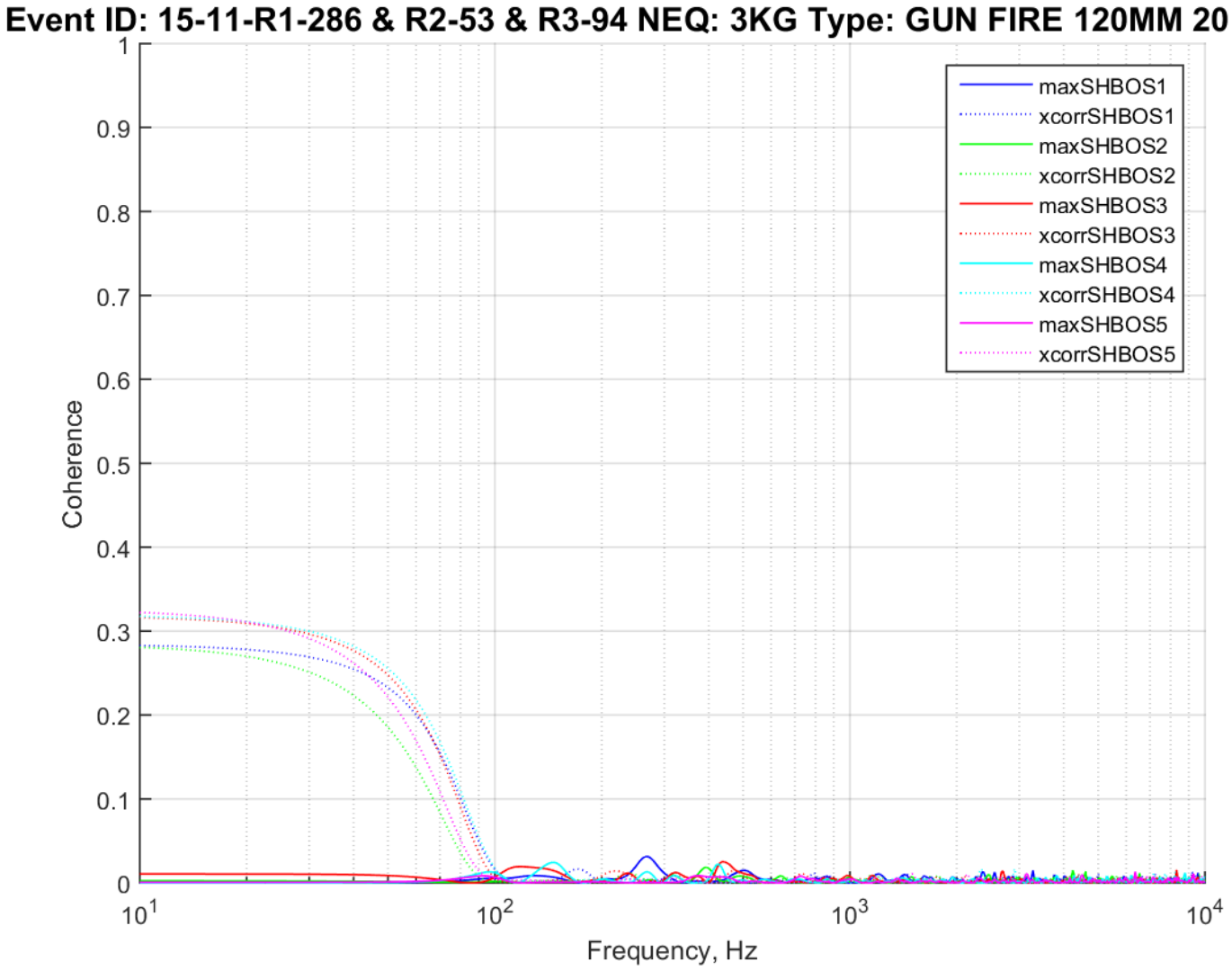


FIGURE 2.1625: COHERENCE SHB_OS 1 - 5 15-11-R1-286 & R2-53 & R3-94

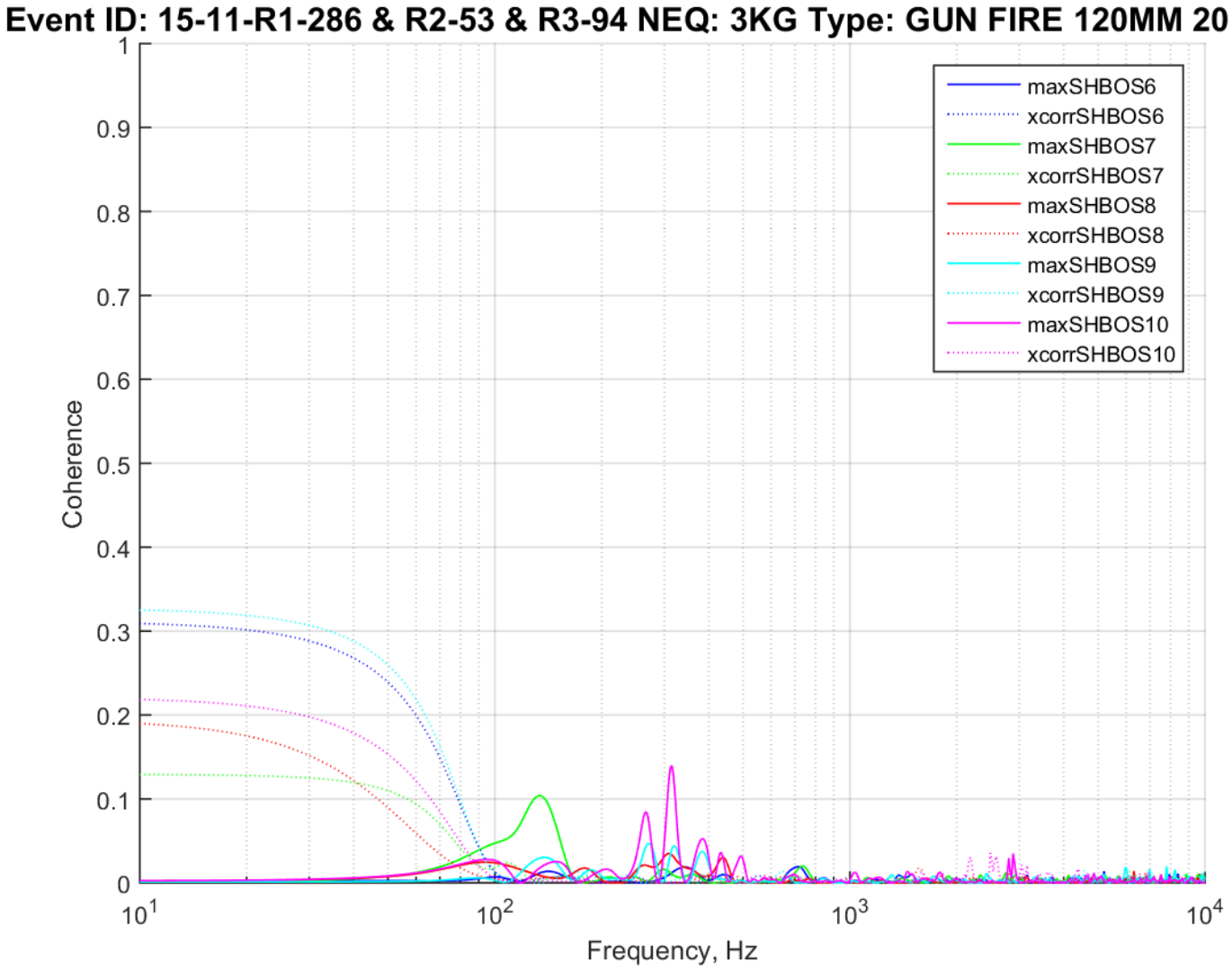


FIGURE 2.1626: COHERENCE SHB_OS 6 - 10 15-11-R1-286 & R2-53 & R3-94CTD

Event ID: 15-11-R1-286 & R2-53 & R3-94 NEQ: 3KG Type: GUN FIRE 120MM 20151117

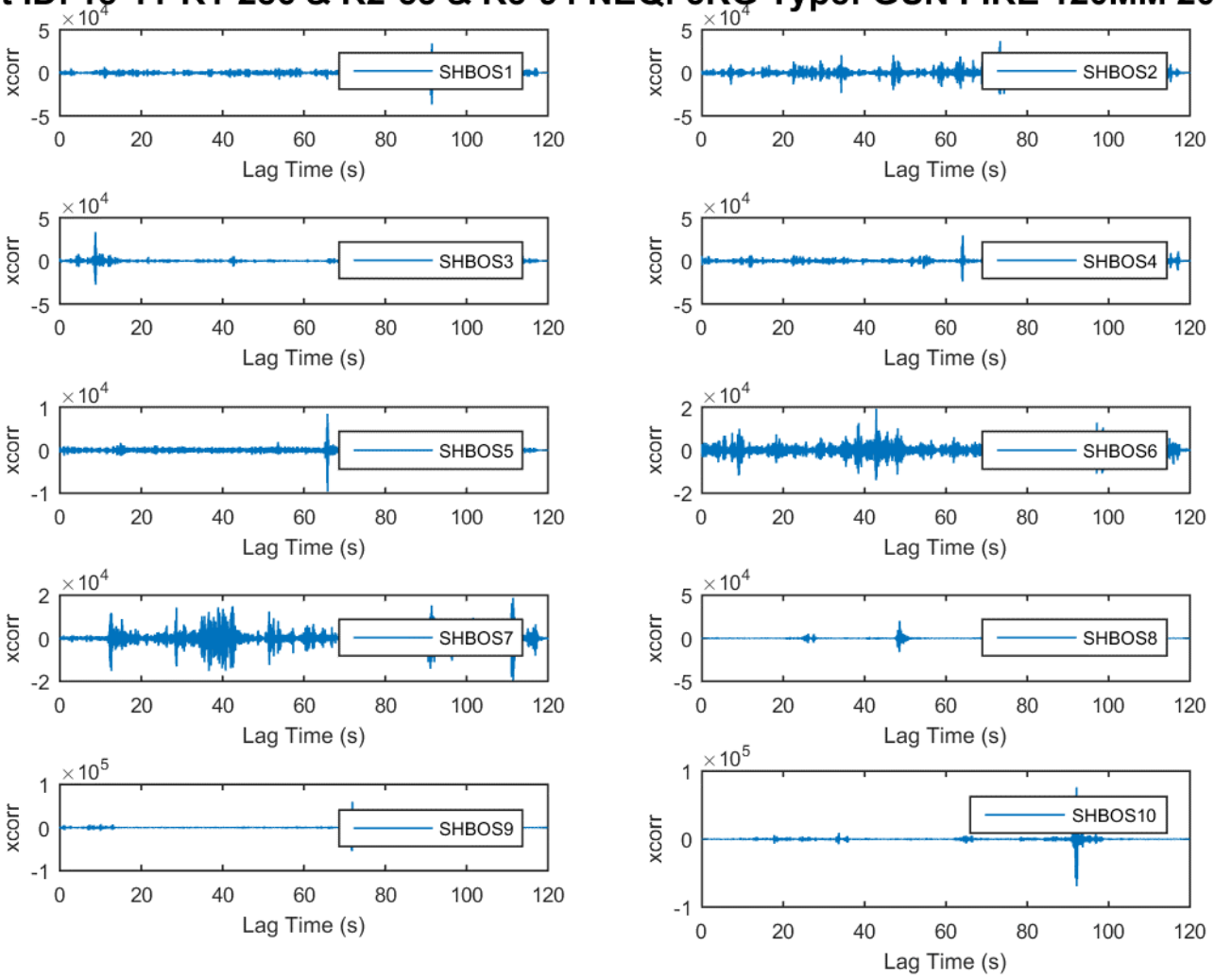


FIGURE 2.1627: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-286 & R2-53 & R3-94

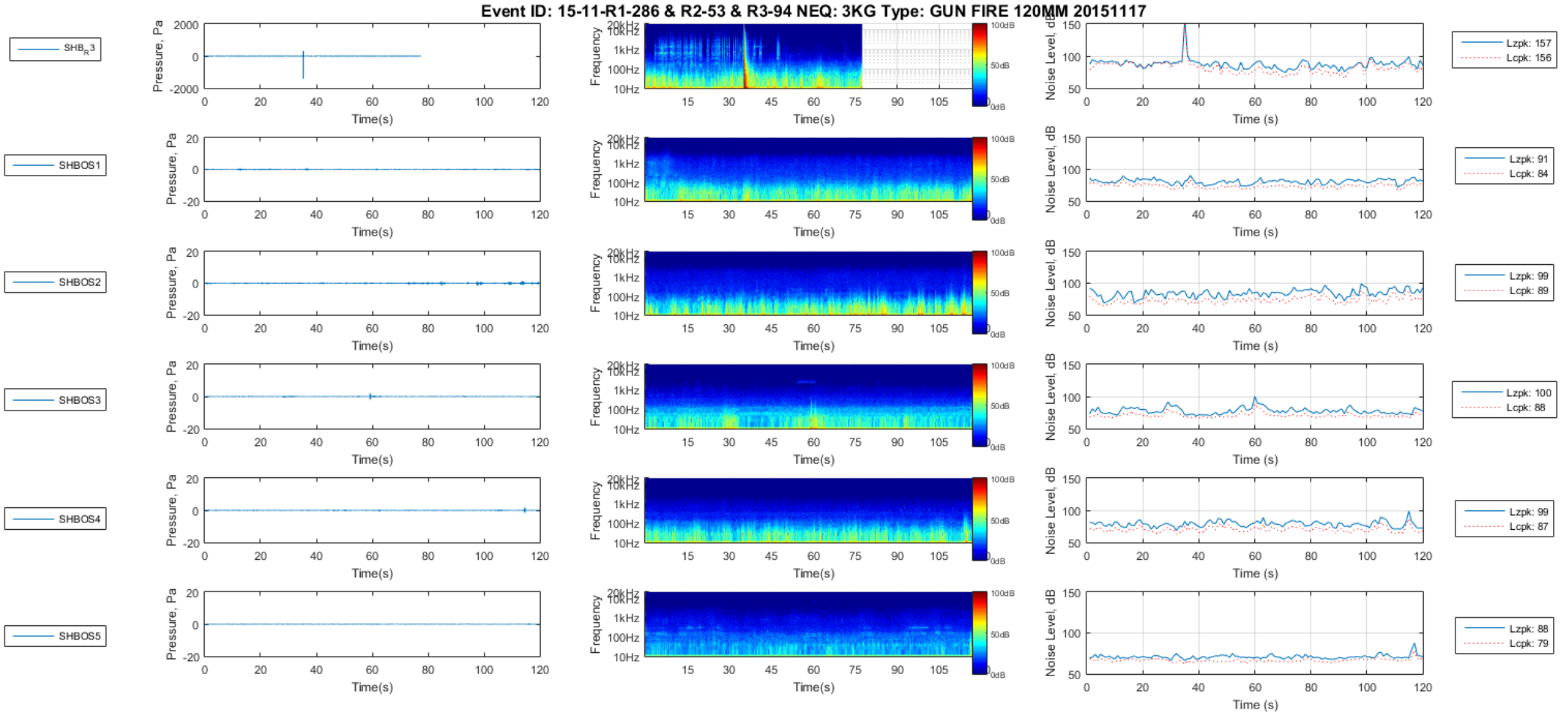


FIGURE 2.1628: SHB_OS 1 - 5 15-11-R1-286 & R2-53 & R3-94

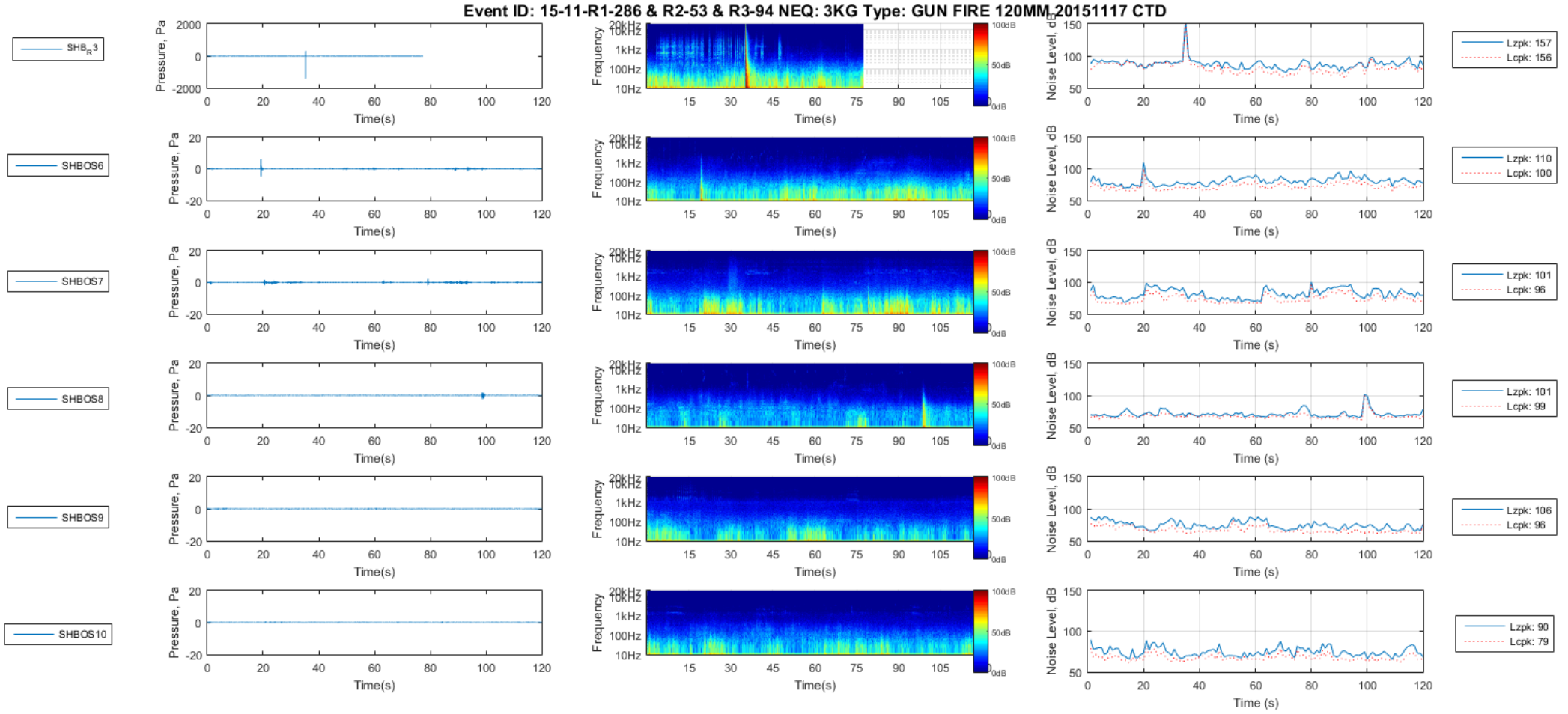


FIGURE 2.1629: SHB_OS 6 - 10 15-11-R1-286 & R2-53 & R3-94

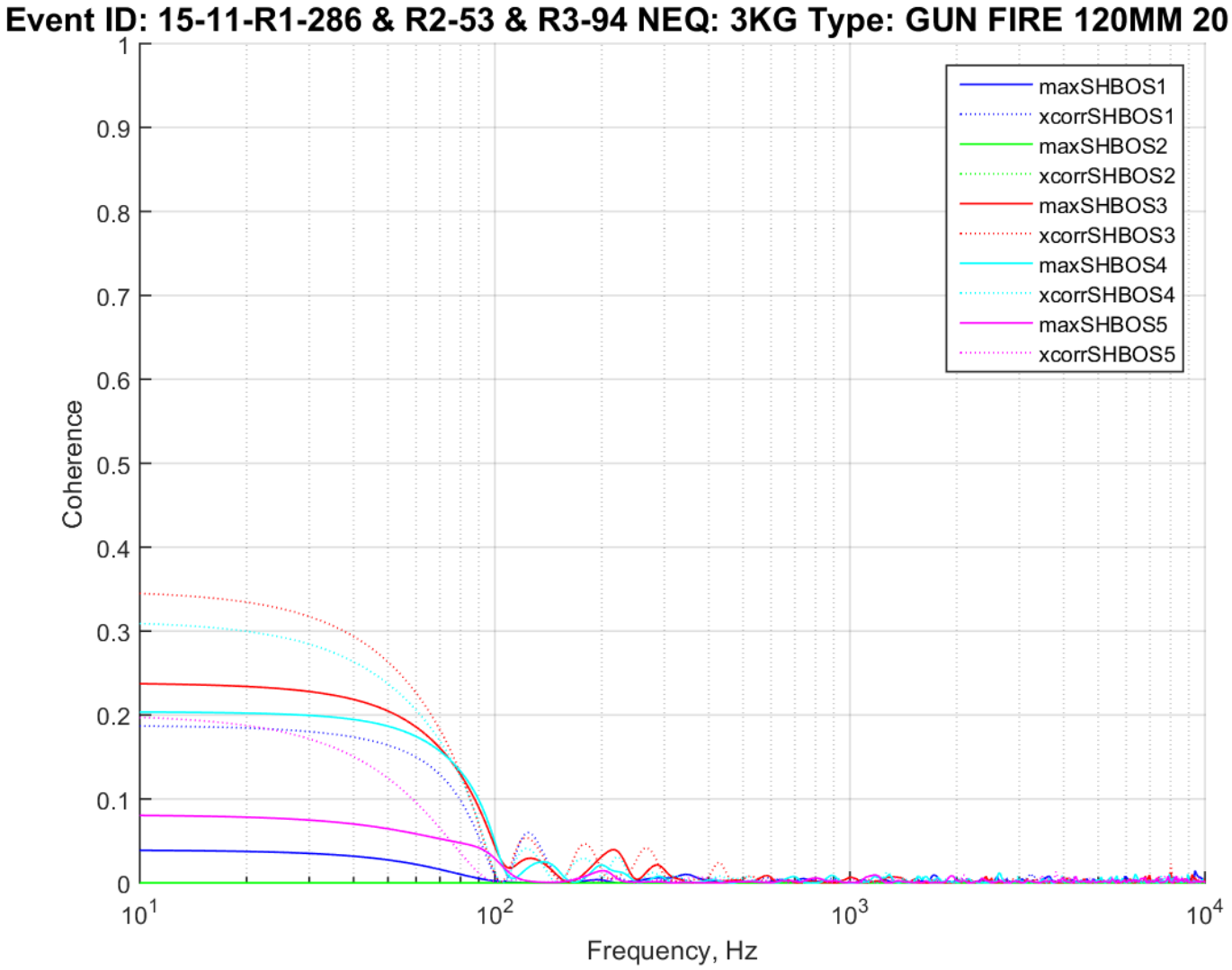


FIGURE 2.1630: COHERENCE SHB_OS 1 - 5 15-11-R1-286 & R2-53 & R3-94

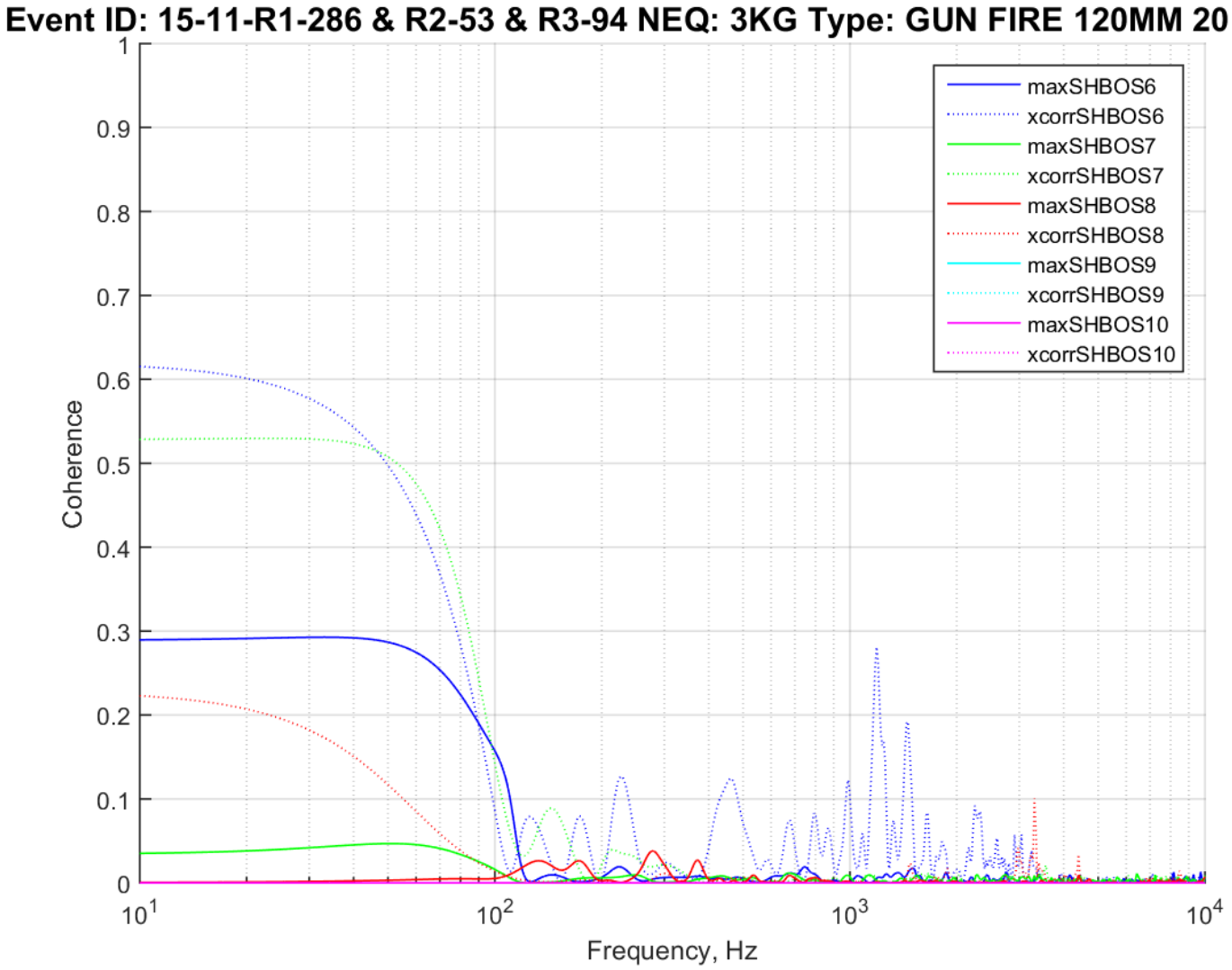


FIGURE 2.1631: COHERENCE SHB_OS 6 - 10 15-11-R1-286 & R2-53 & R3-94CTD

Event ID: 15-11-R1-286 & R2-53 & R3-94 NEQ: 3KG Type: GUN FIRE 120MM 20151117

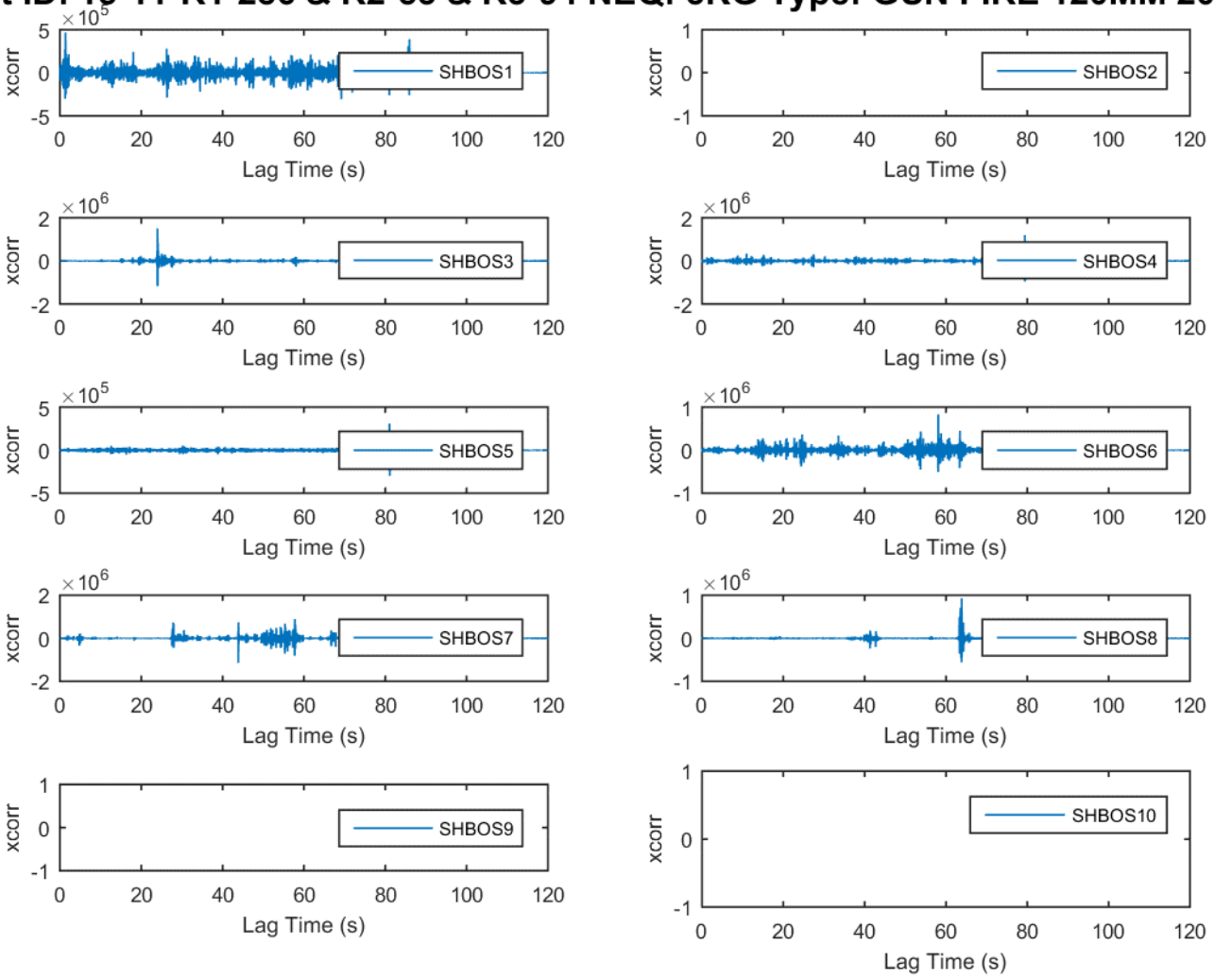


FIGURE 2.1632: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-286 & R2-53 & R3-94

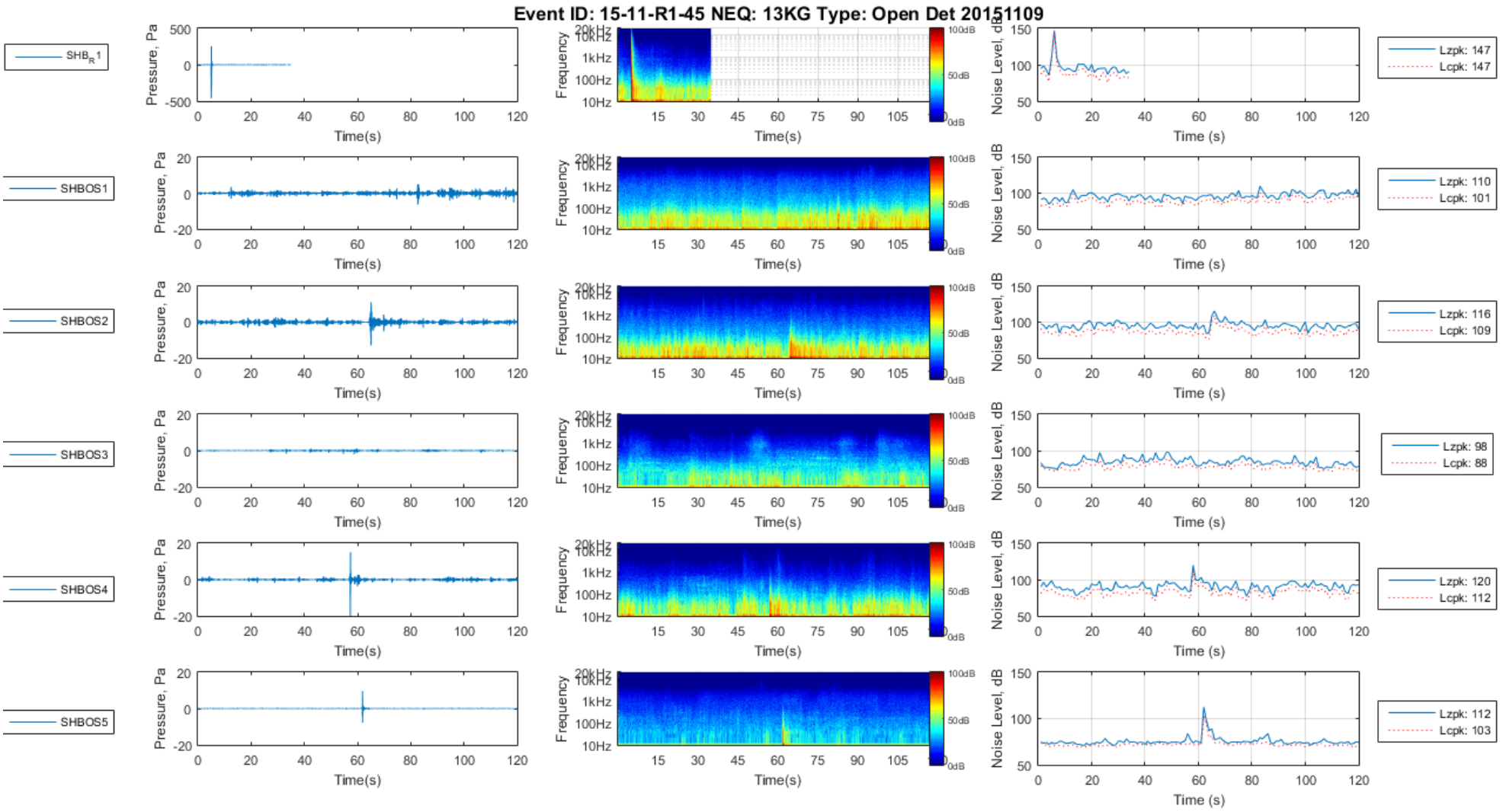


FIGURE 2.1633: SHB_OS 1 - 5 15-11-R1-45

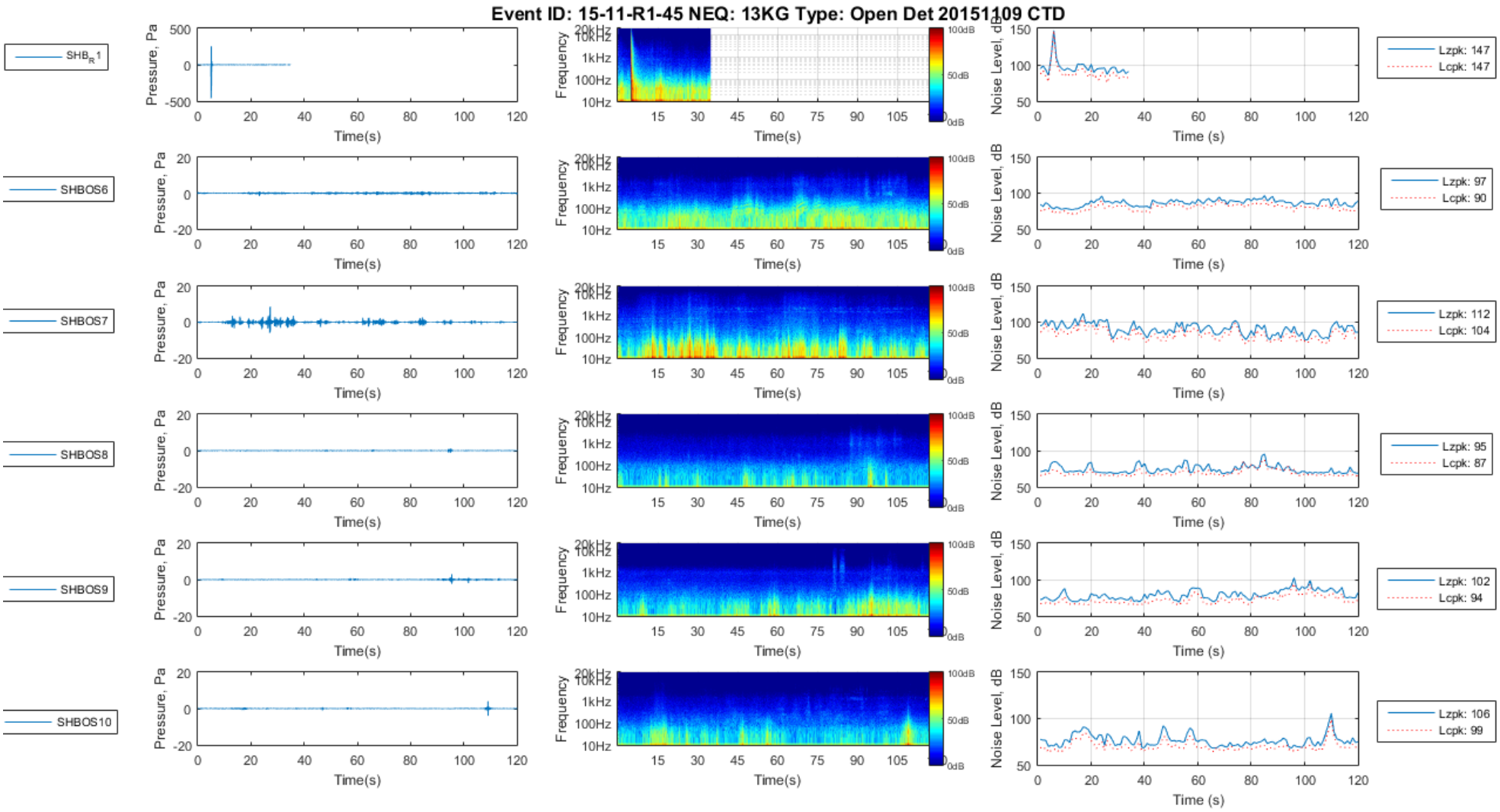


FIGURE 2.1634: SHB_OS 6 - 10 15-11-R1-45

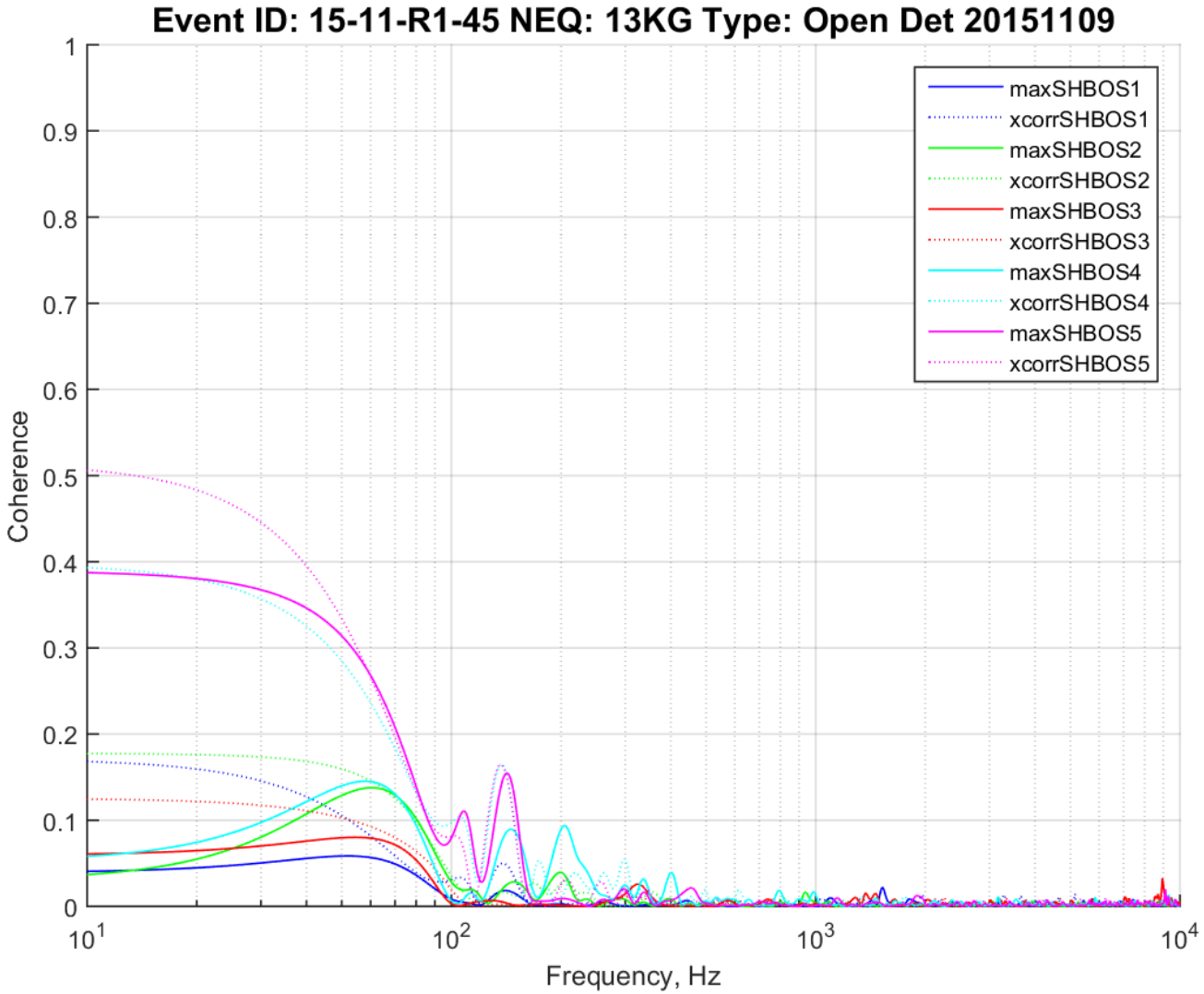


FIGURE 2.1635: COHERENCE SHB_OS 1 - 5 15-11-R1-45

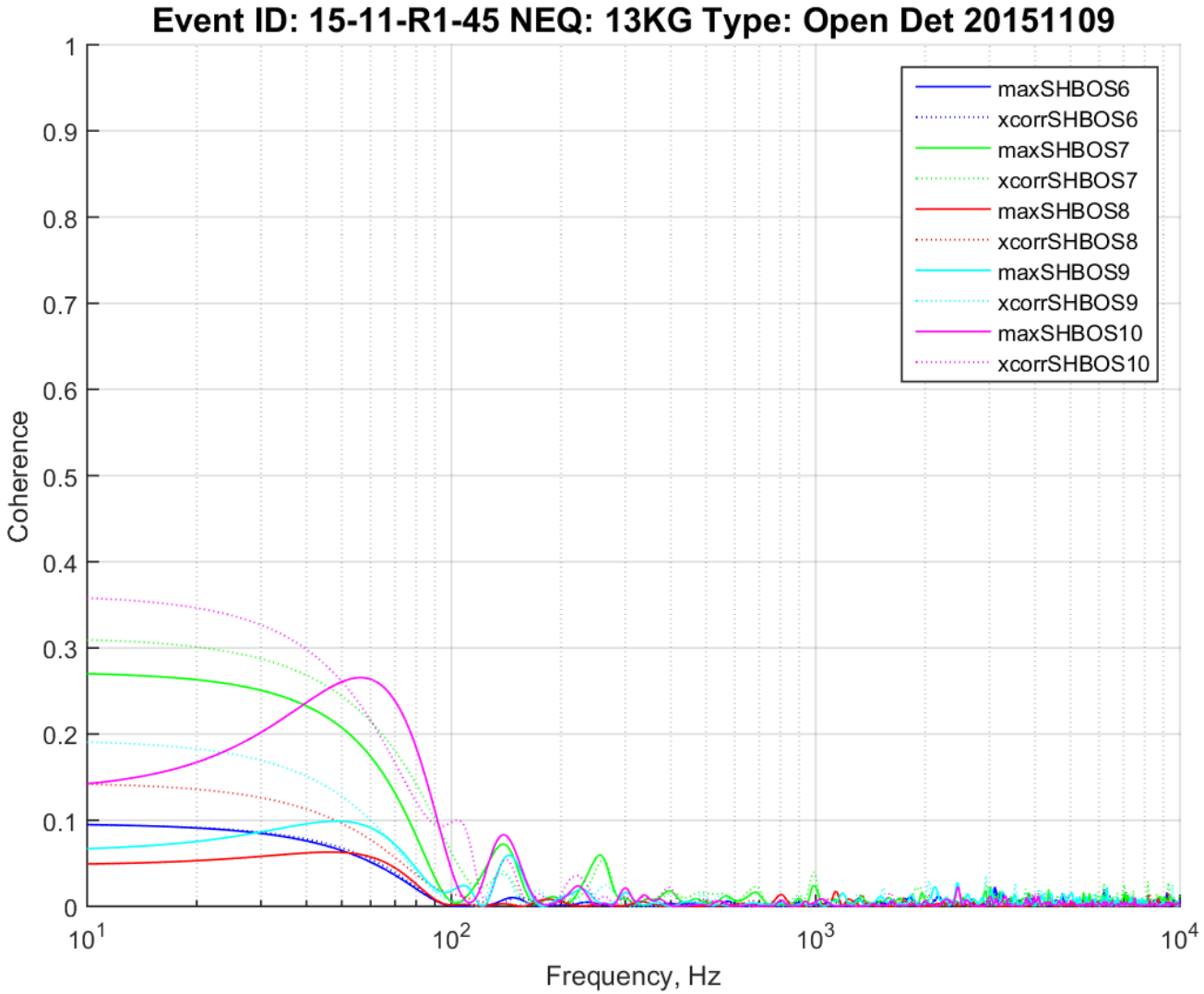


FIGURE 2.1636: COHERENCE SHB_OS 6 - 10 15-11-R1-45CTD

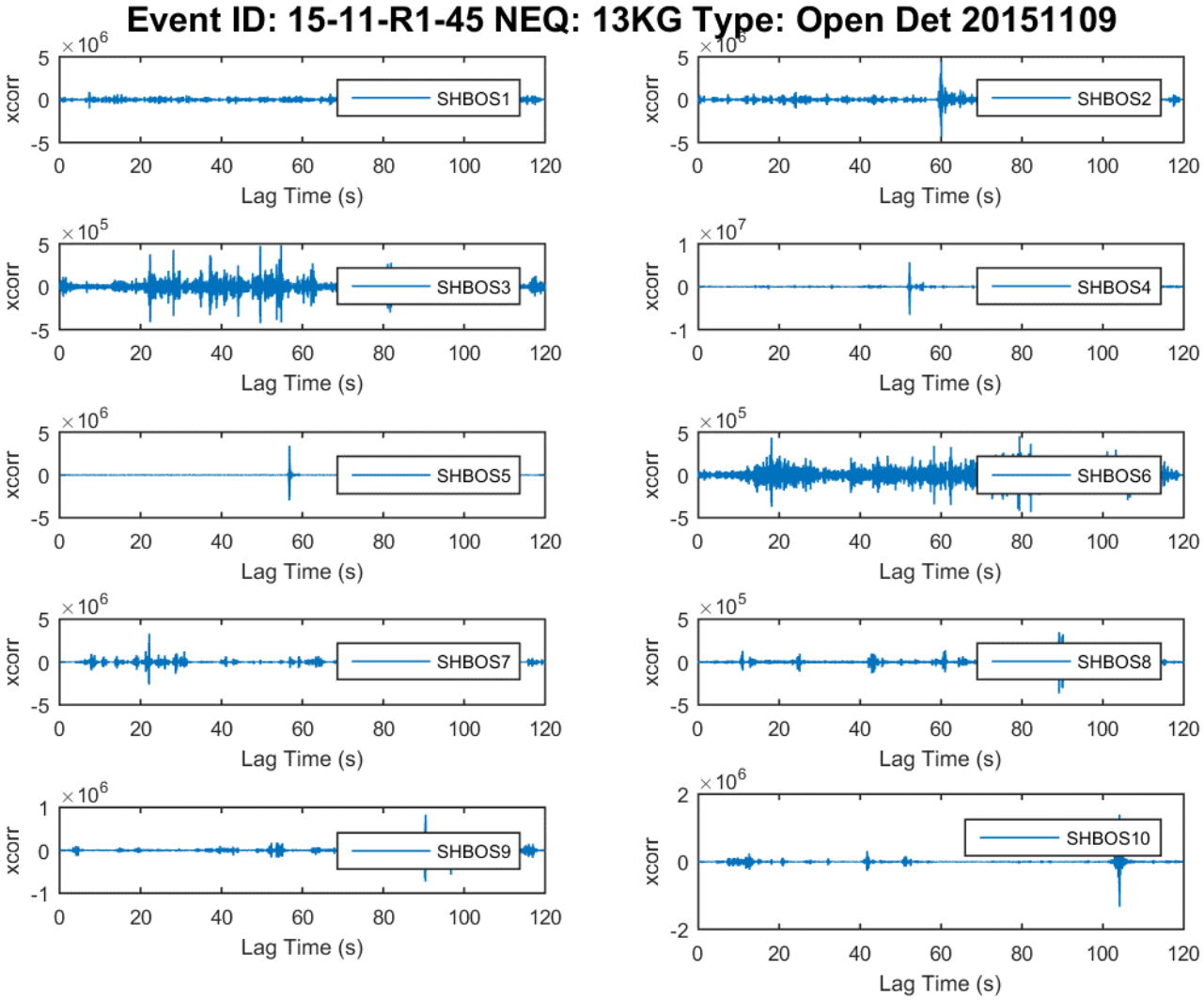


FIGURE 2.1637: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-45

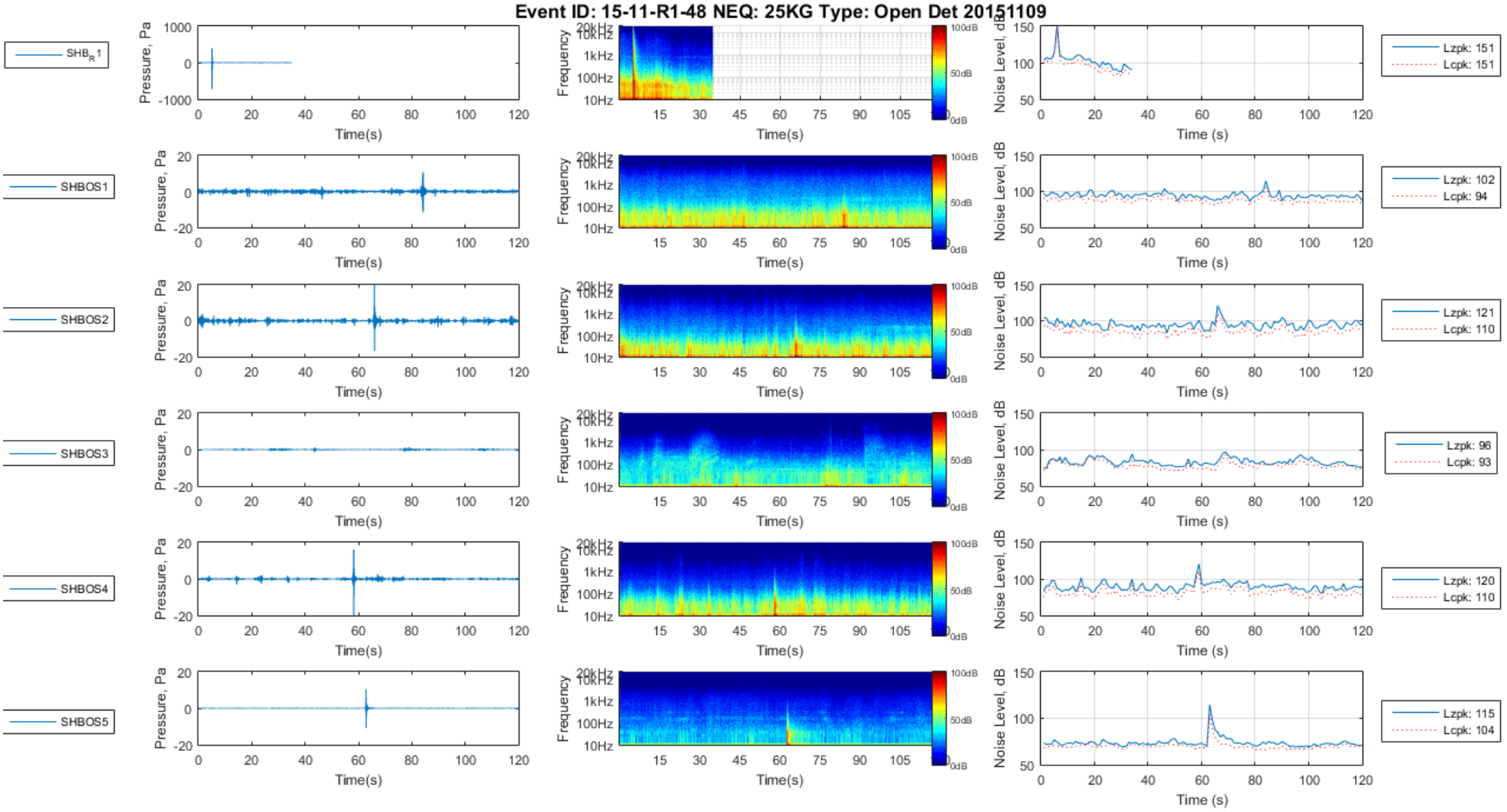


FIGURE 2.1638: SHB_OS 1 - 5 15-11-R1-48

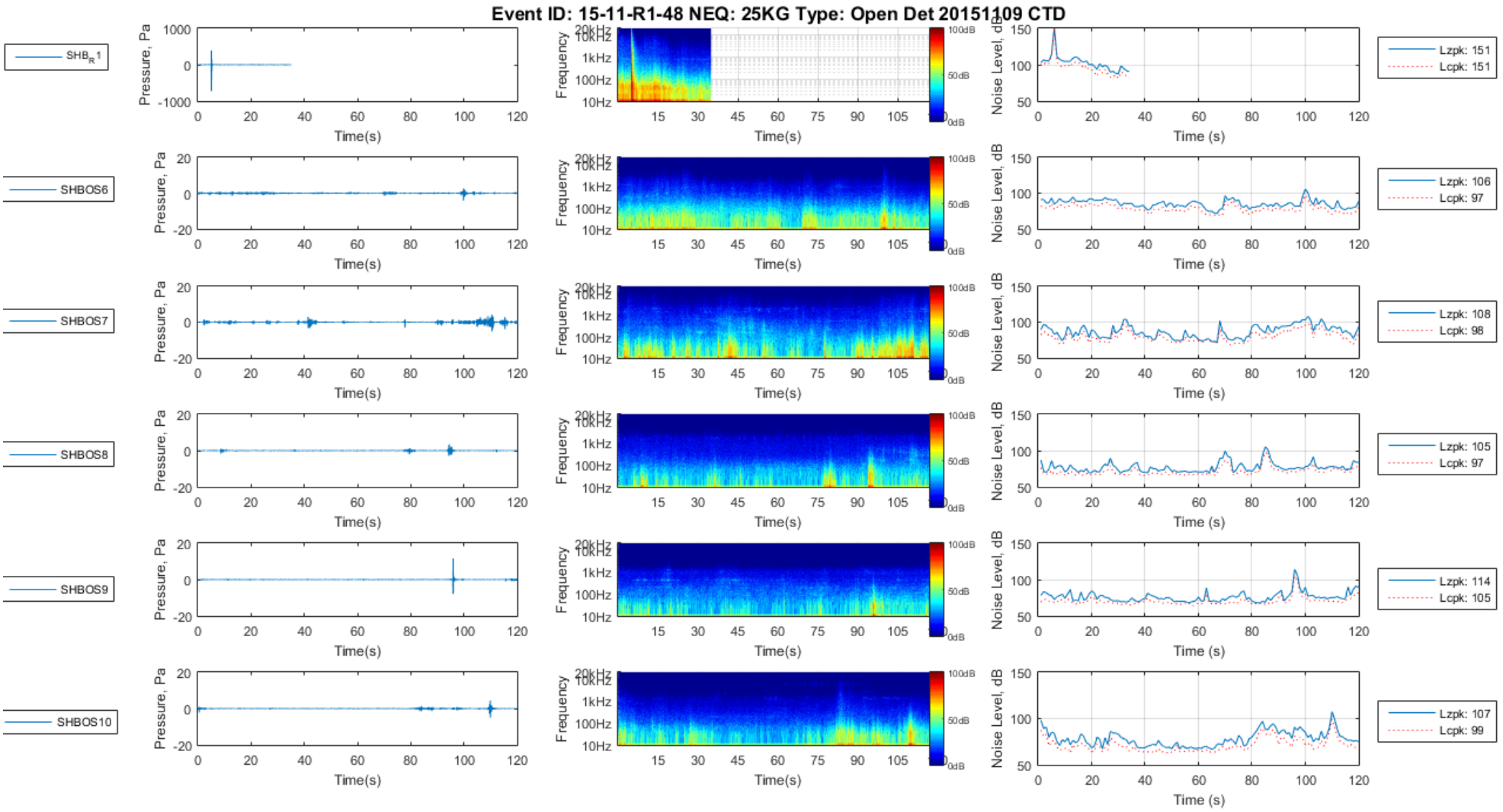


FIGURE 2.1639: SHB_OS 6 - 10 15-11-R1-48

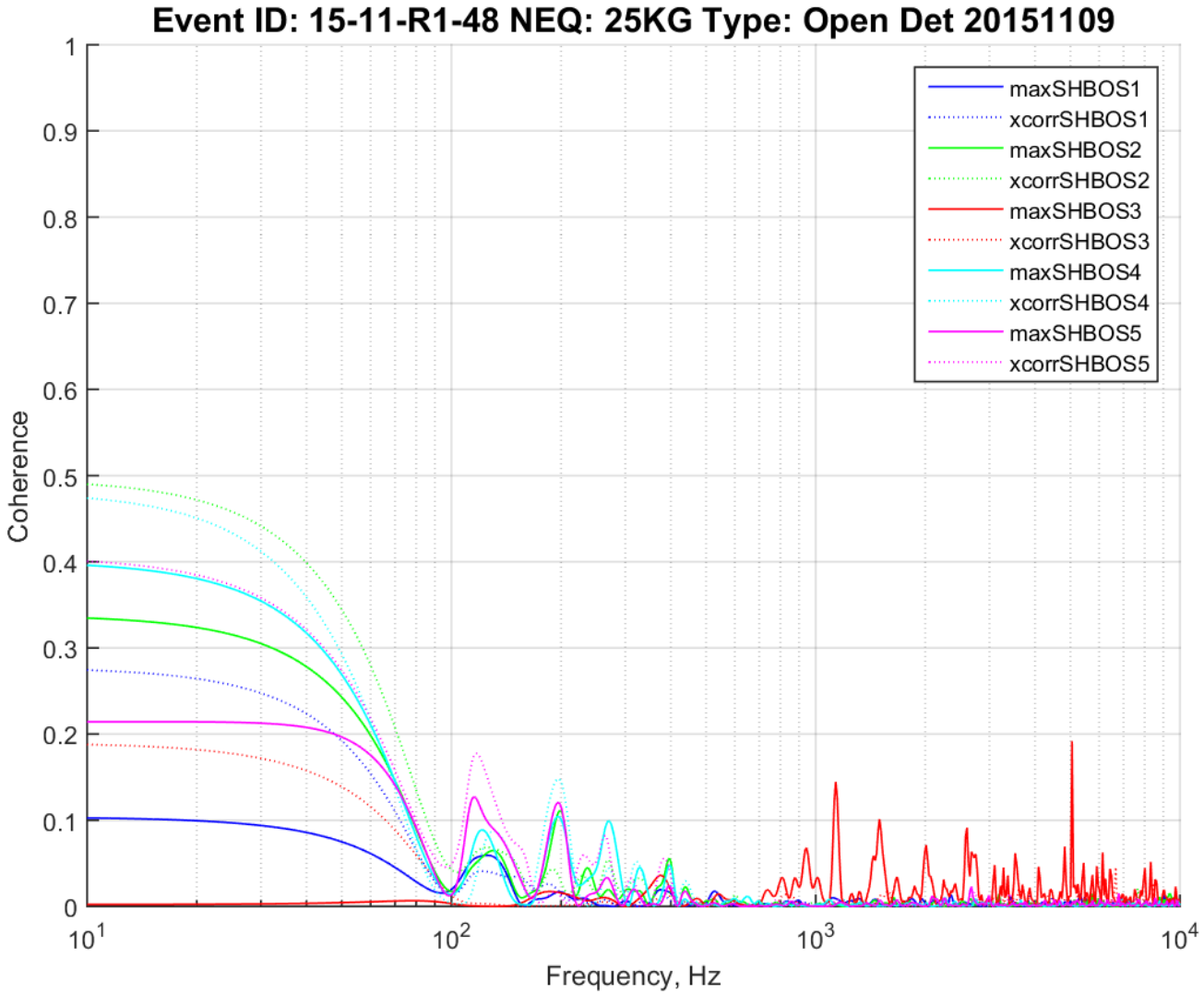


FIGURE 2.1640: COHERENCE SHB_OS 1 - 5 15-11-R1-48

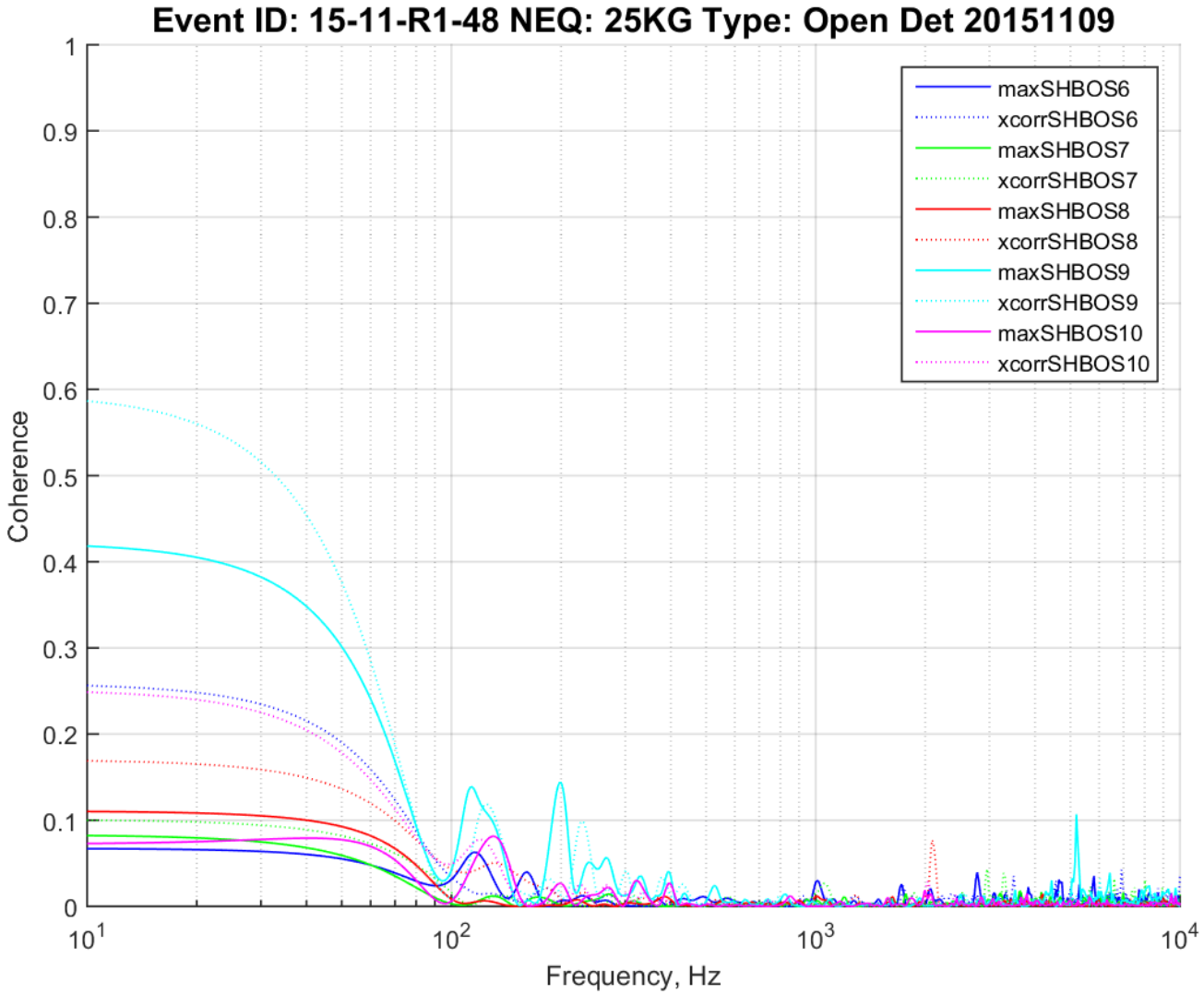


FIGURE 2.1641: COHERENCE SHB_OS 6 - 10 15-11-R1-48CTD

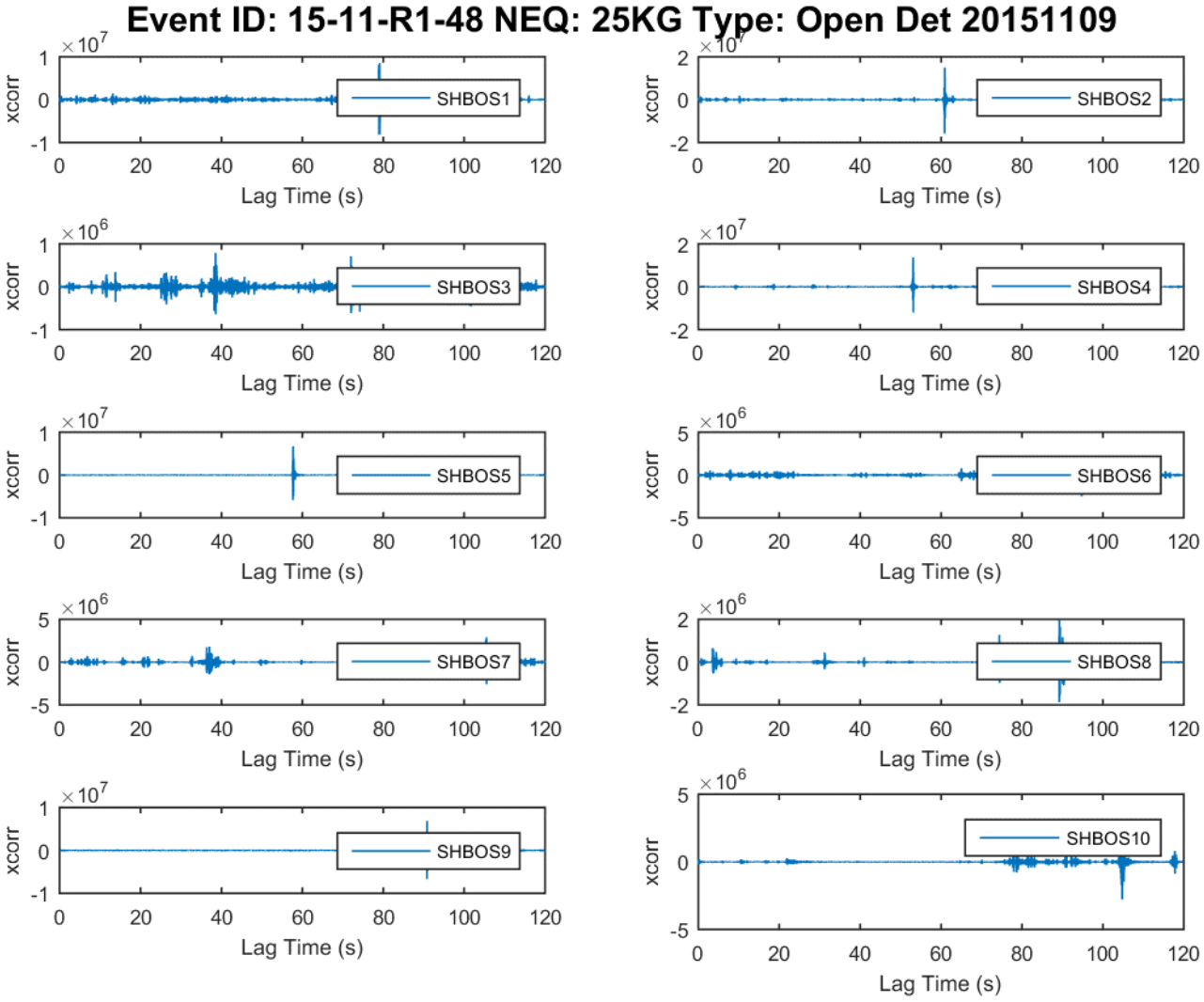


FIGURE 2.1642: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-48

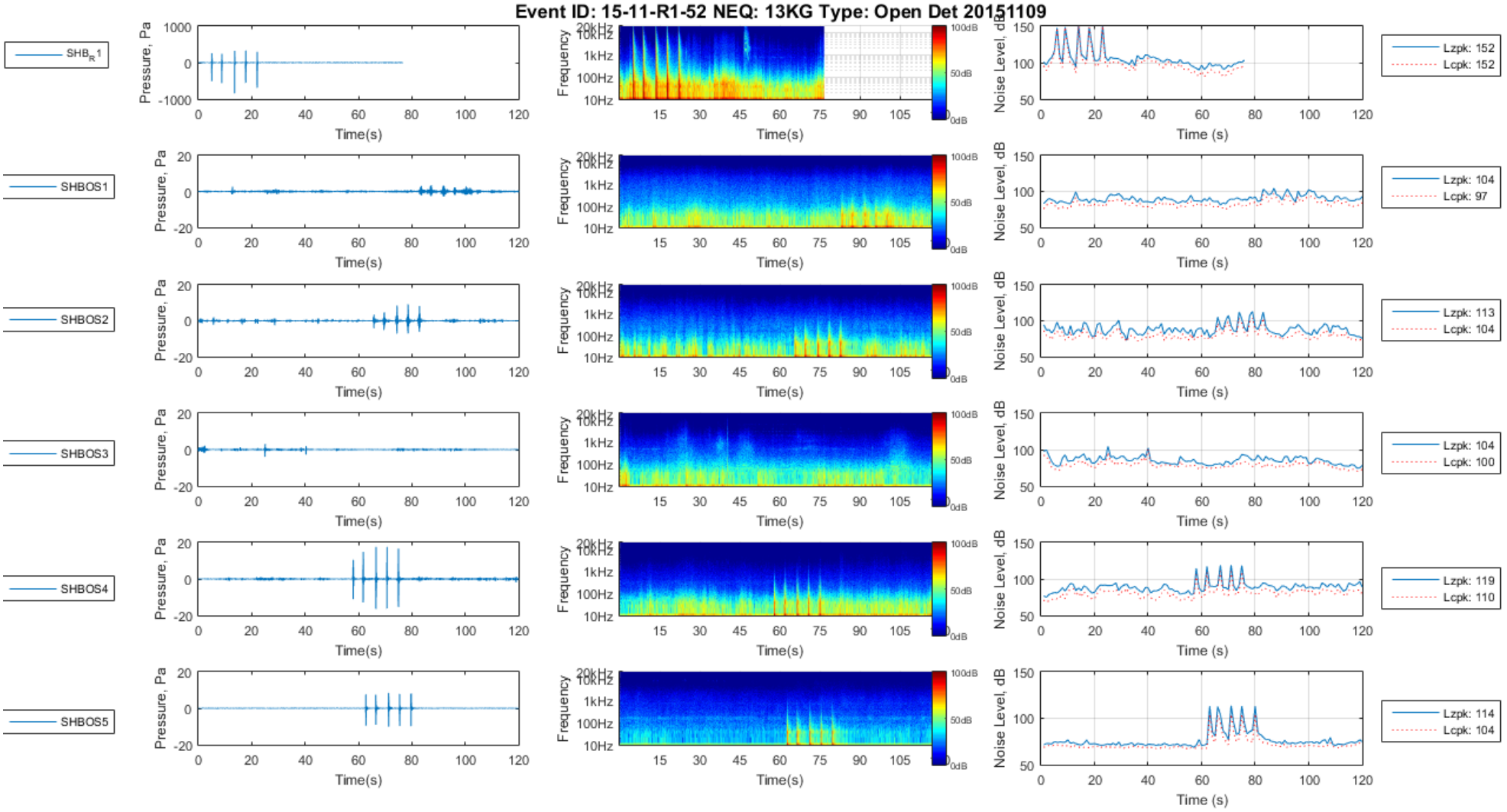


FIGURE 2.1643: SHB_OS 1 - 5 15-11-R1-52

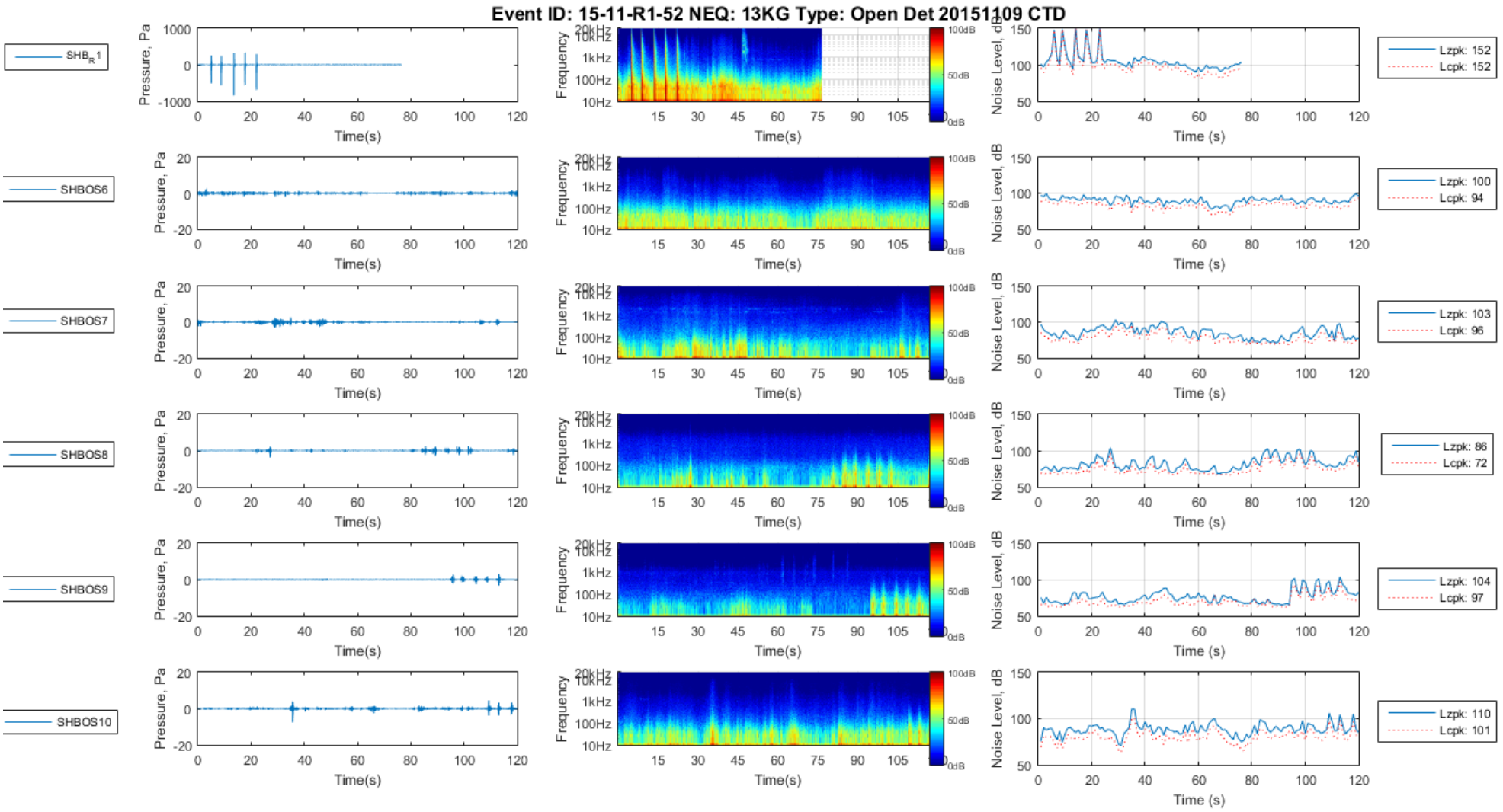


FIGURE 2.1644: SHB_OS 6 - 10 15-11-R1-52

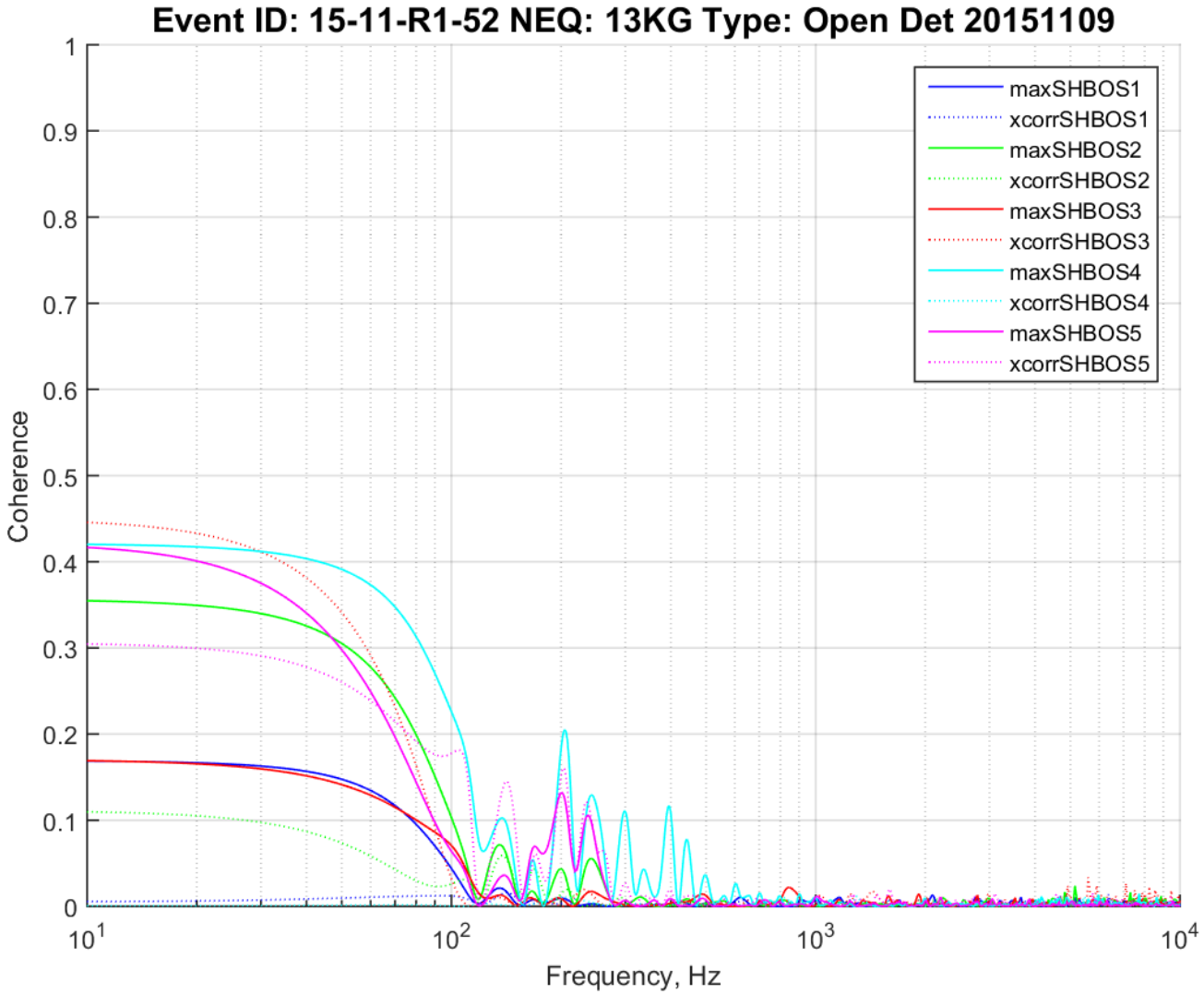


FIGURE 2.1645: COHERENCE SHB_OS 1 - 5 15-11-R1-52

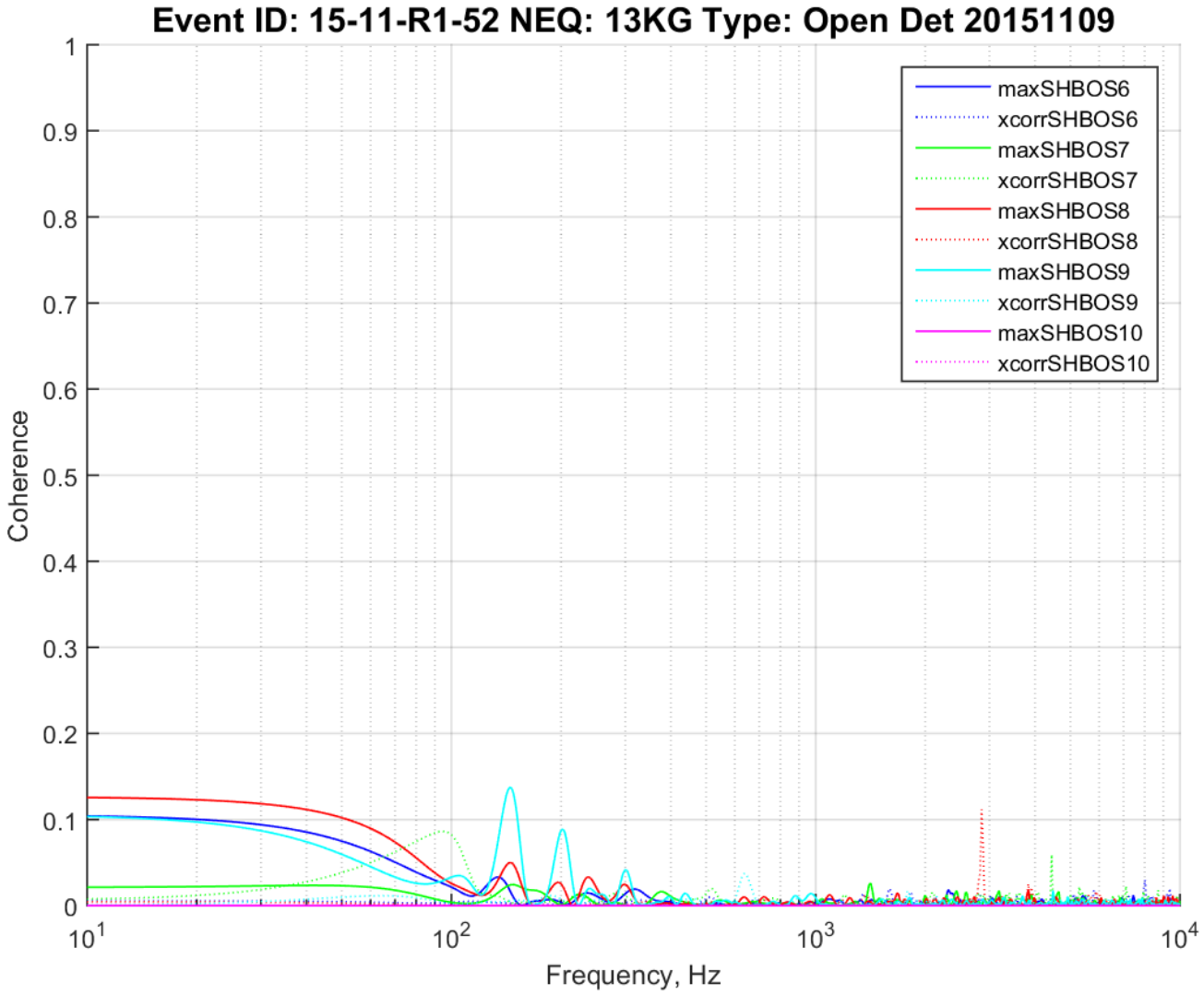


FIGURE 2.1646: COHERENCE SHB_OS 6 - 10 15-11-R1-52CTD

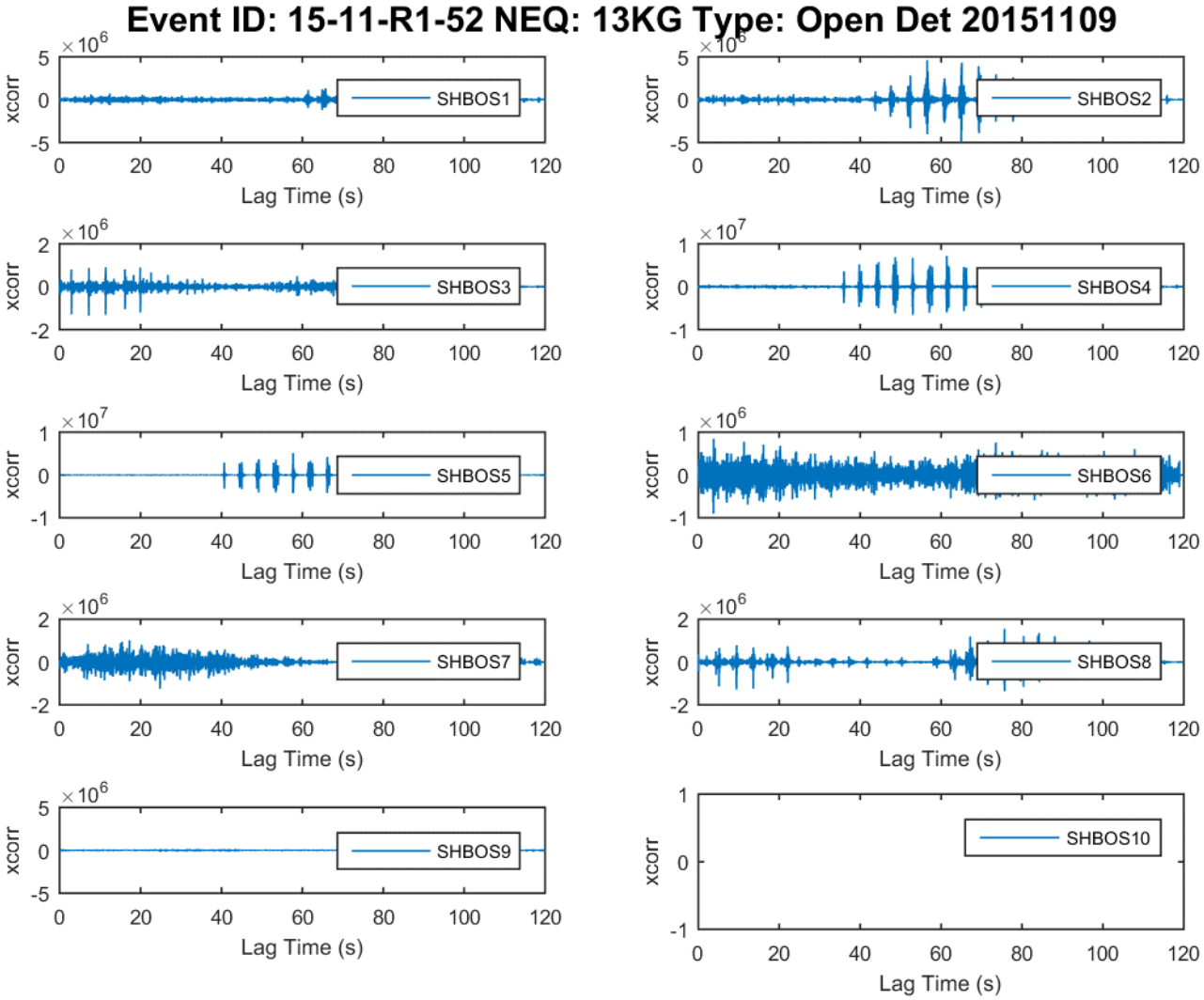


FIGURE 2.1647: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-52

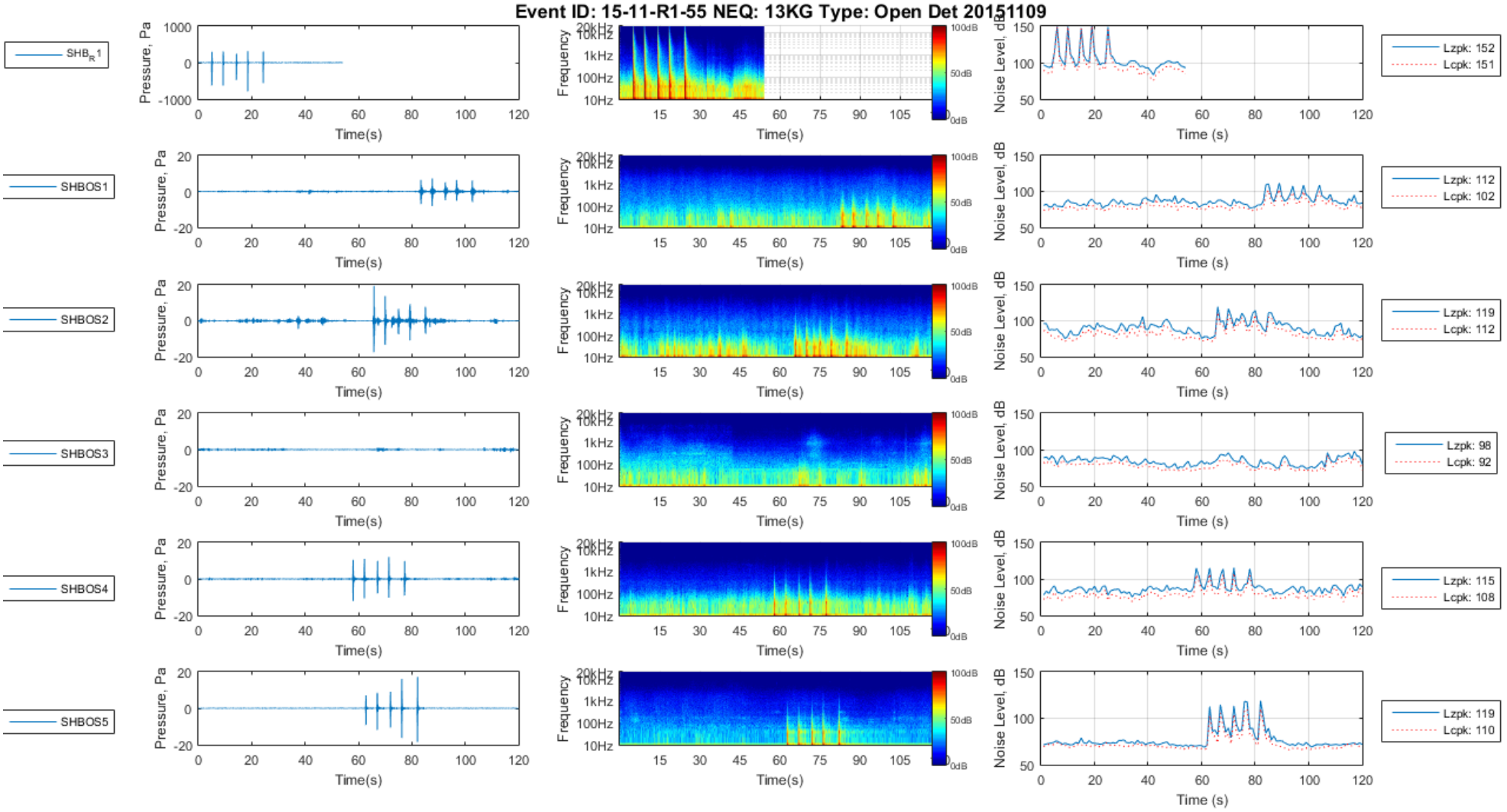


FIGURE 2.1648: SHB_OS 1 - 5 15-11-R1-55

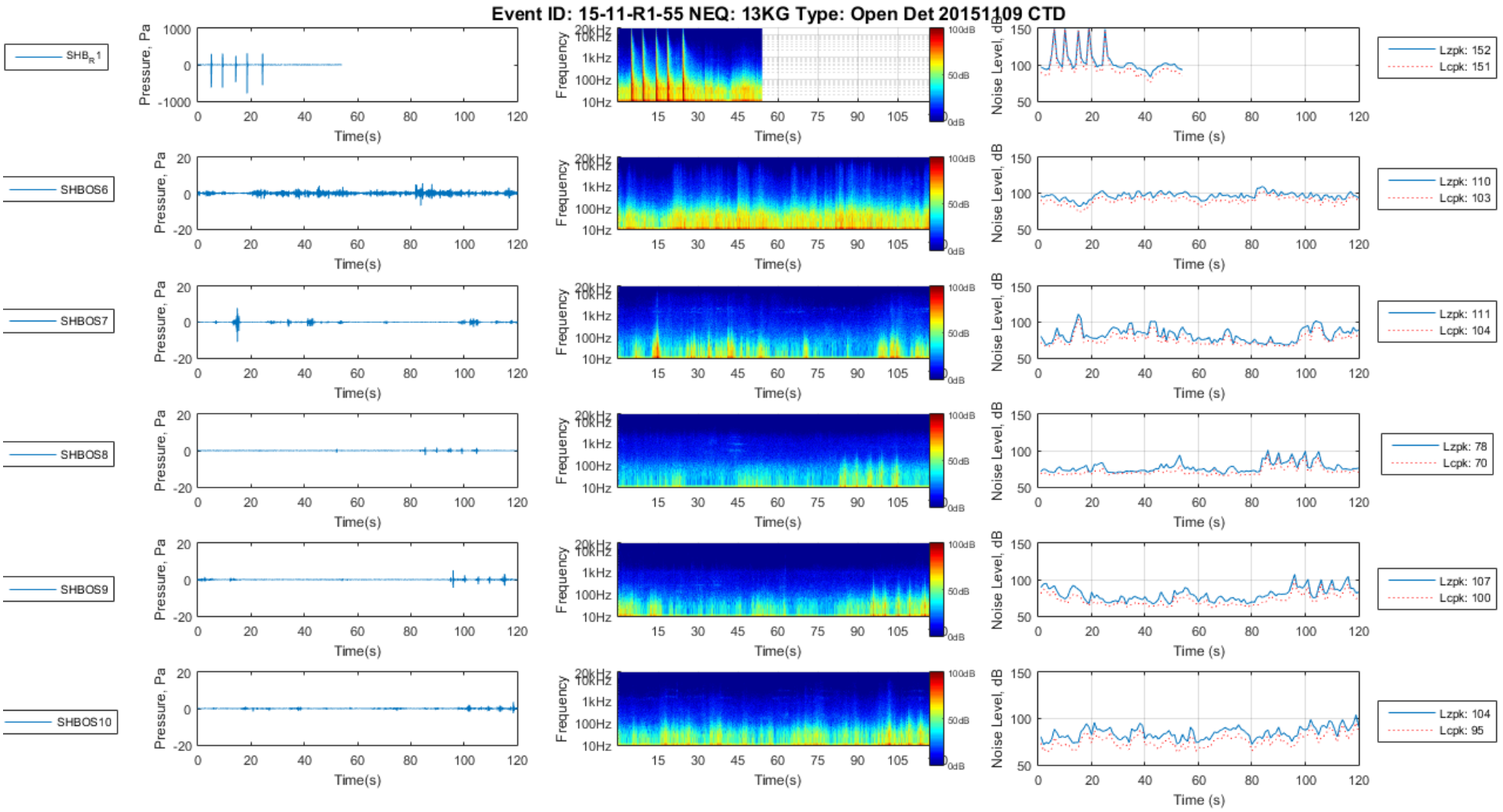


FIGURE 2.1649: SHB_OS 6 - 10 15-11-R1-55

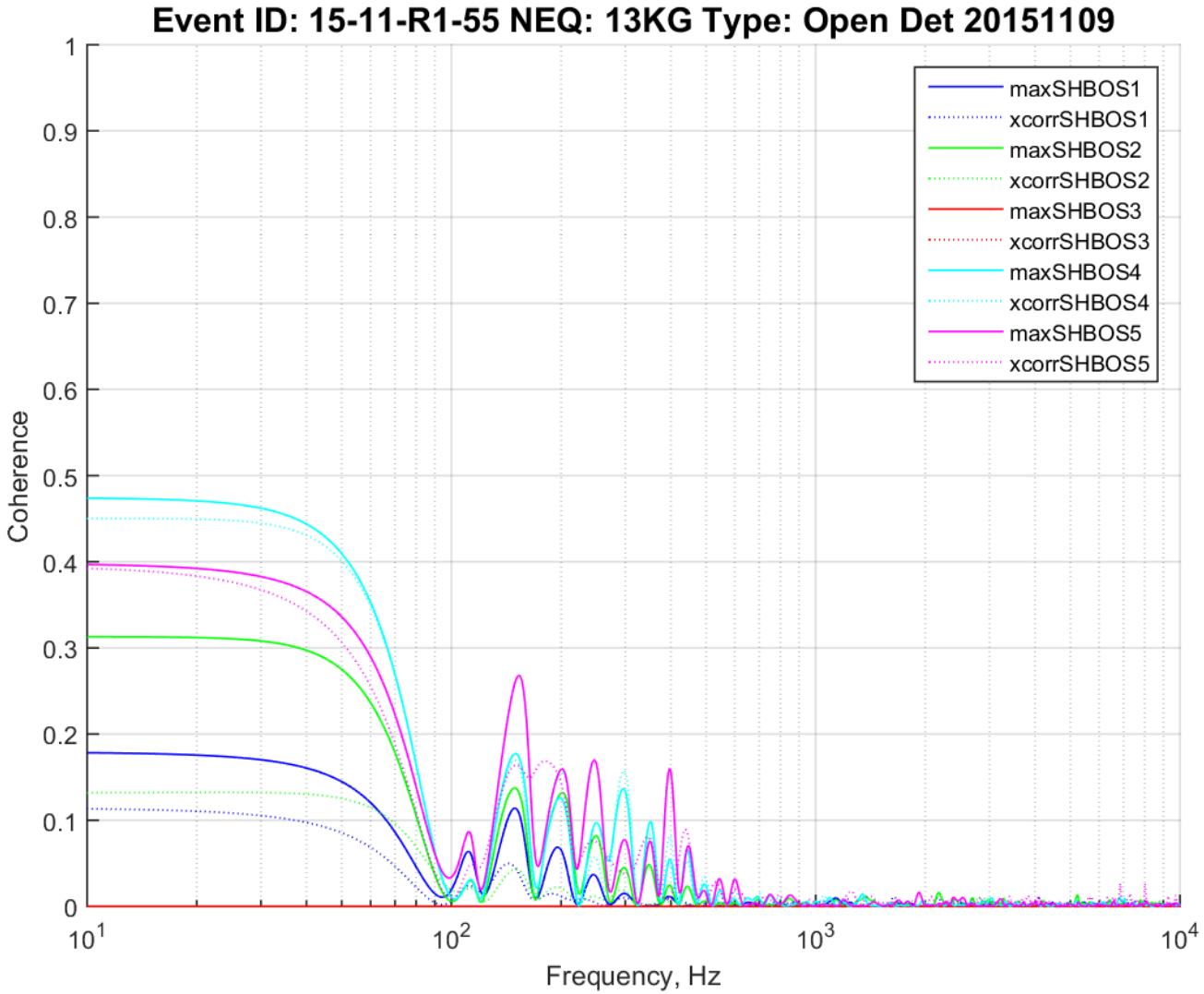


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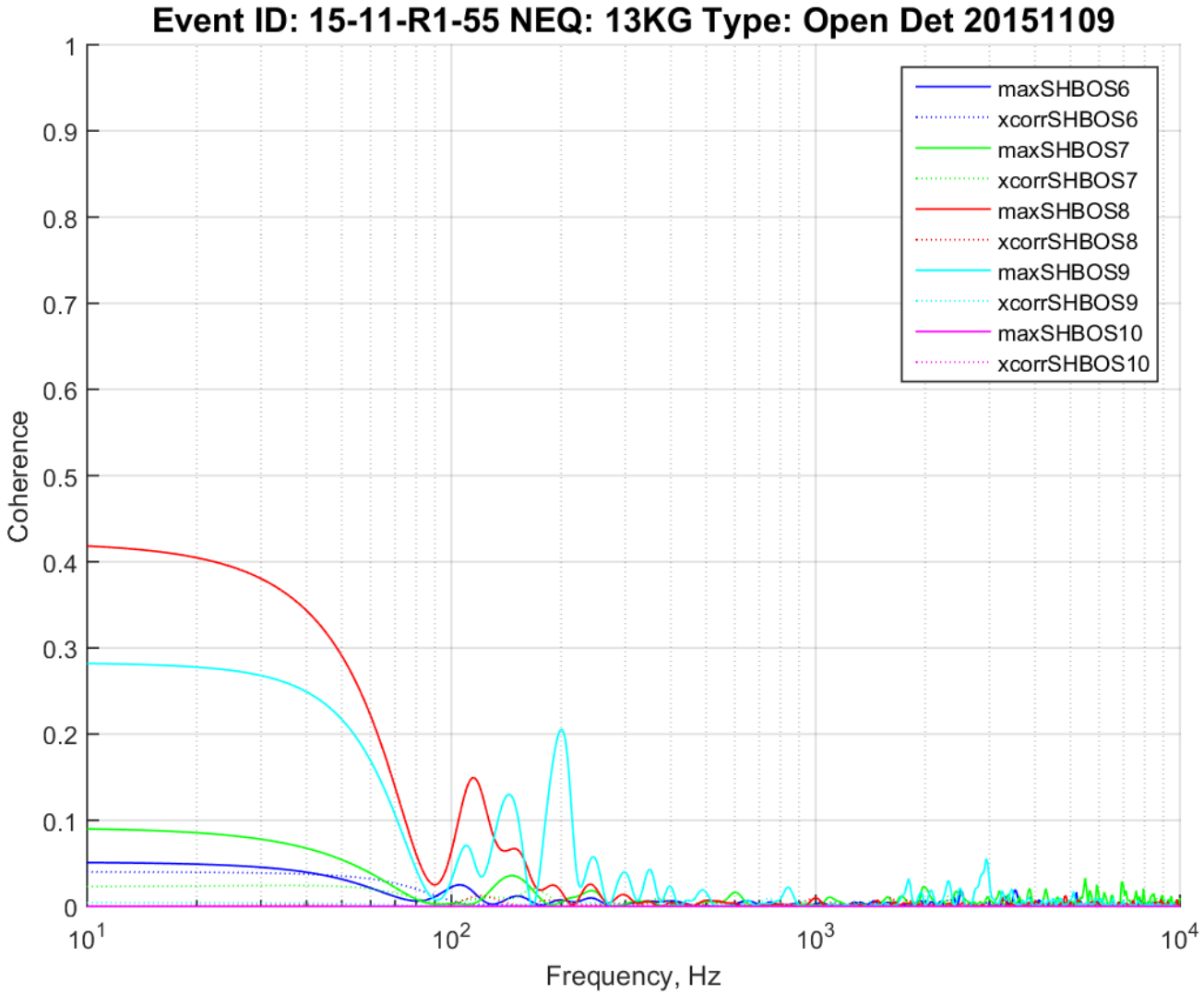


FIGURE 2.1651: COHERENCE SHB_OS 6 - 10 15-11-R1-55CTD

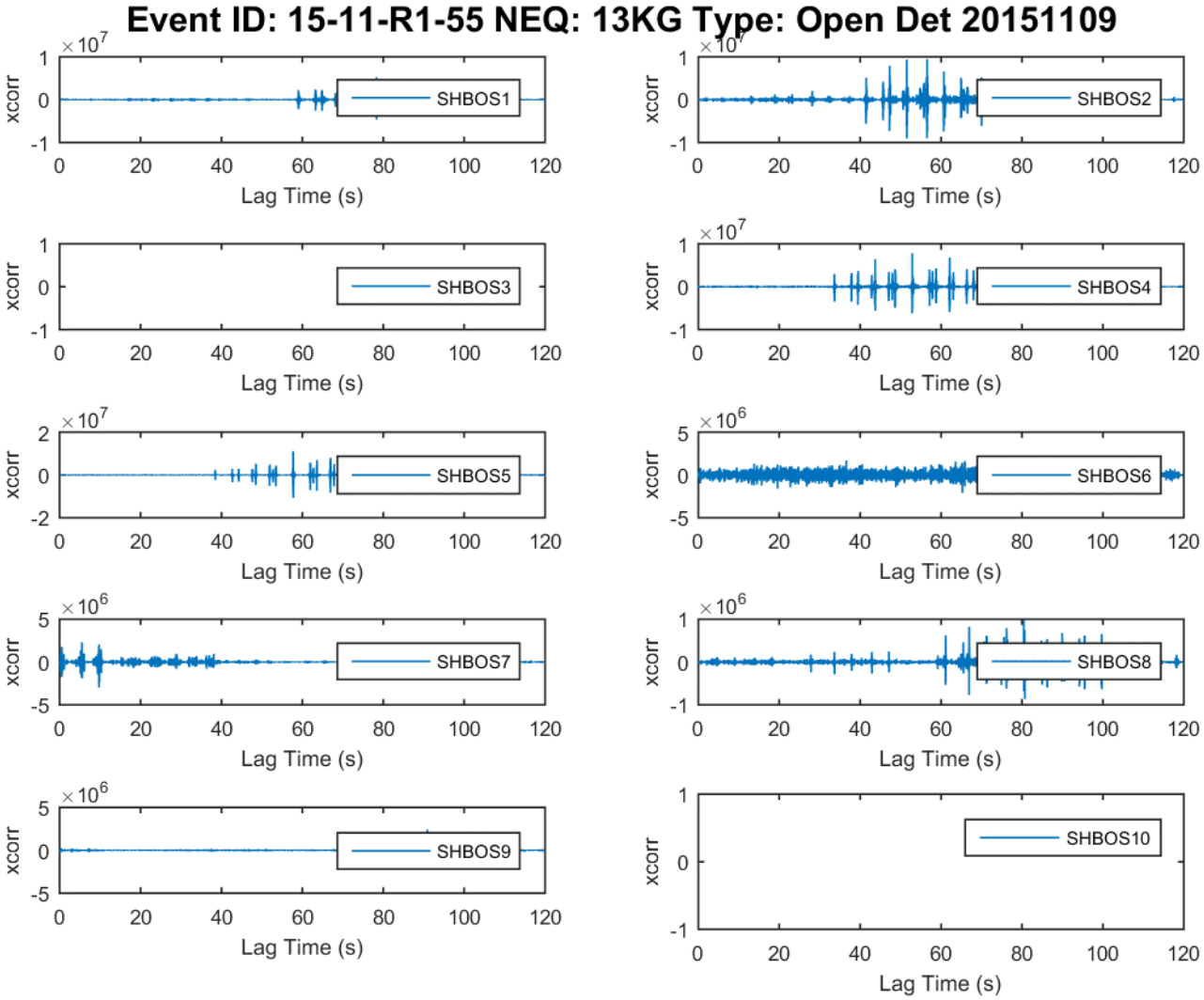


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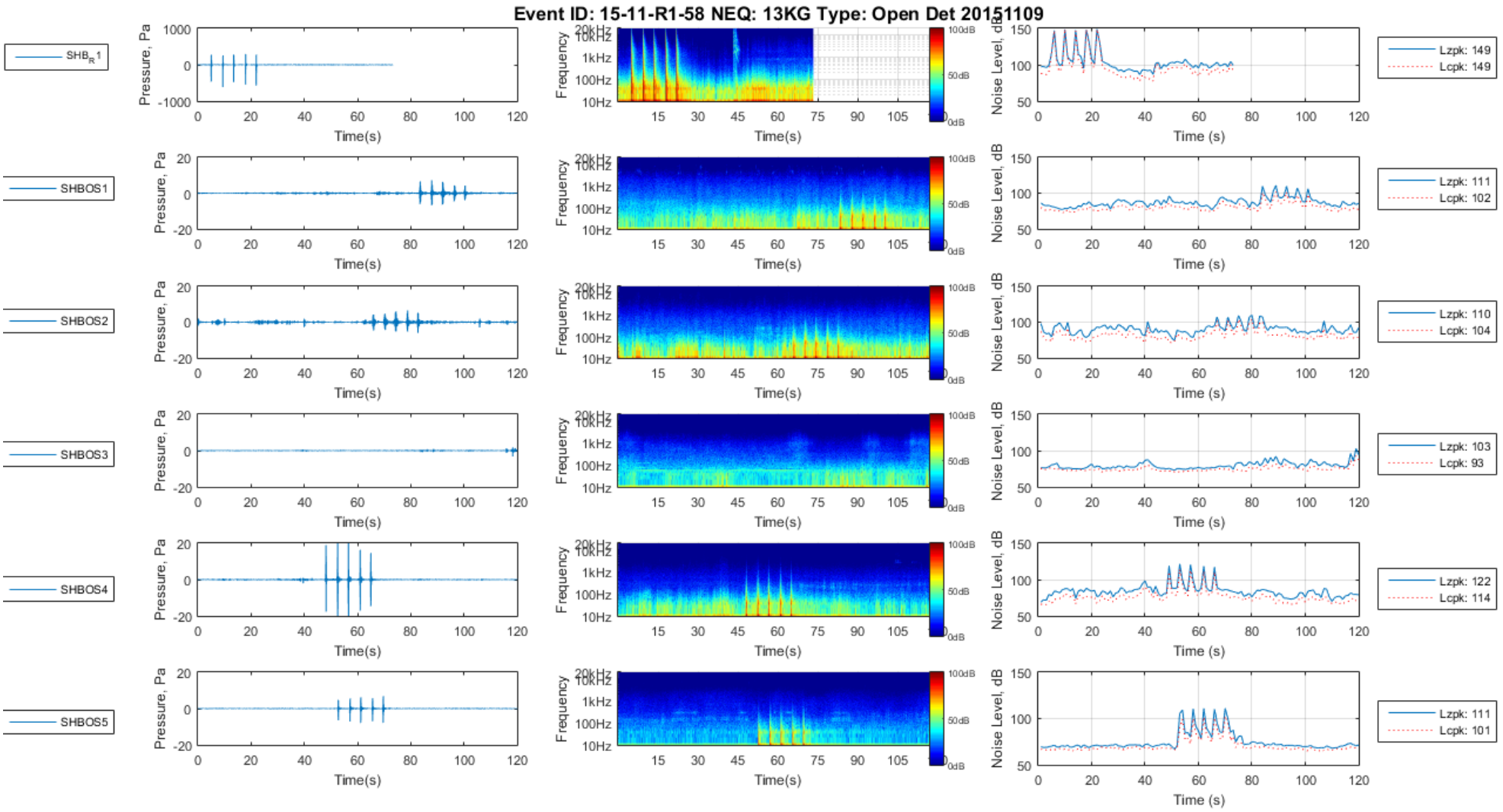


FIGURE 2.1653: SHB_OS 1 - 5 15-11-R1-58

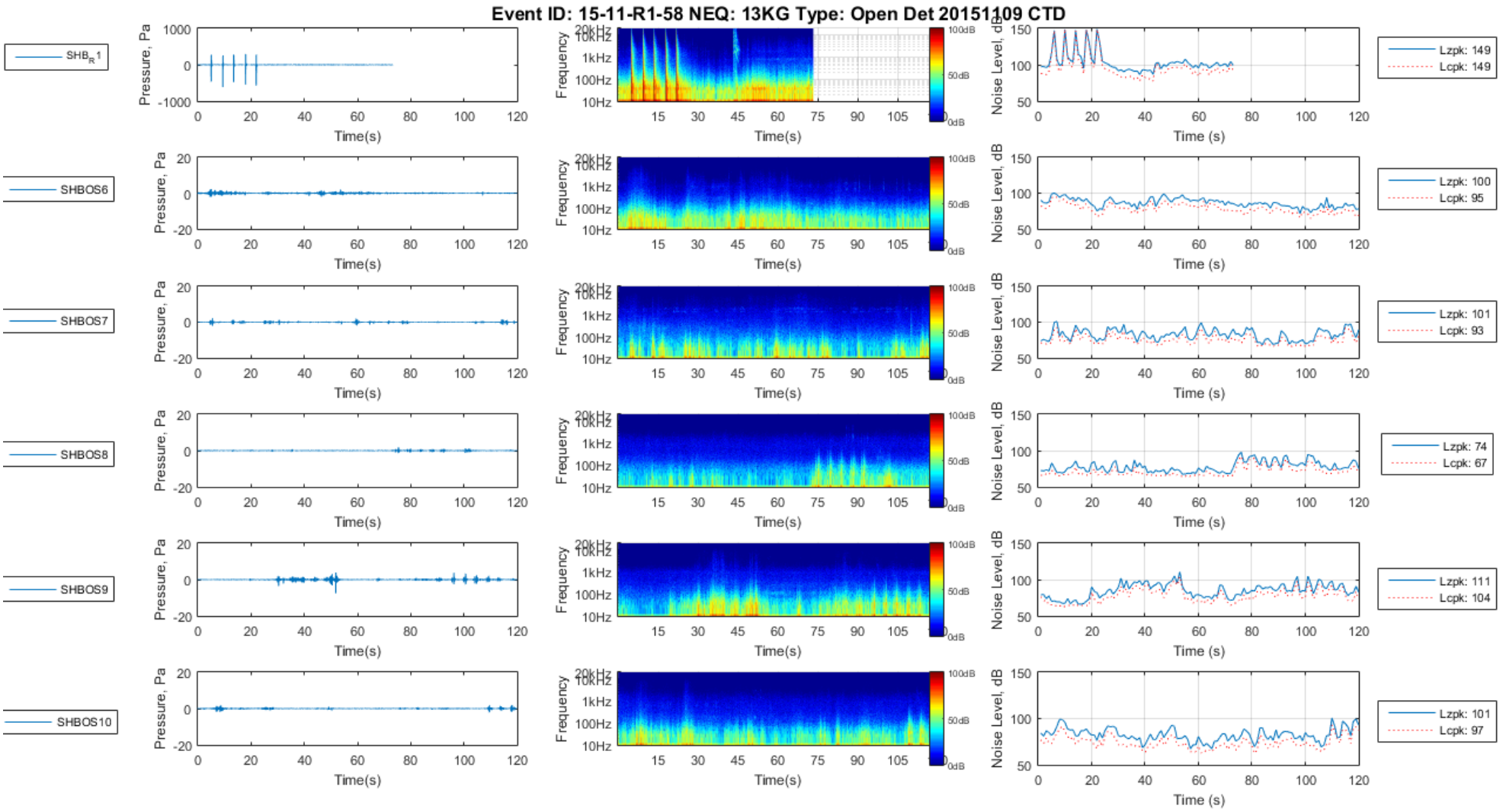


FIGURE 2.1654: SHB_OS 6 - 10 15-11-R1-58

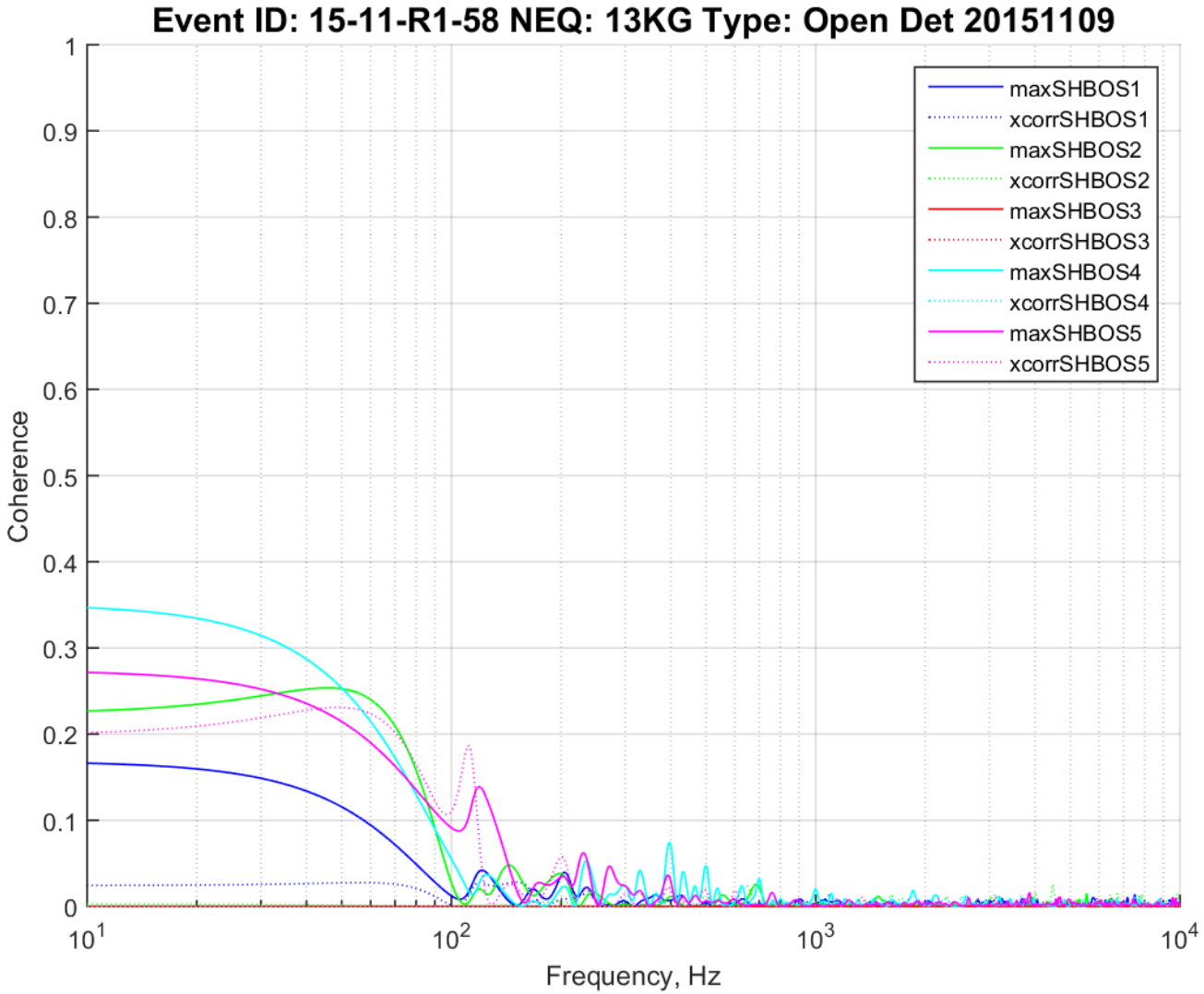


FIGURE 2.1655: COHERENCE SHB_OS 1 - 5 15-11-R1-58

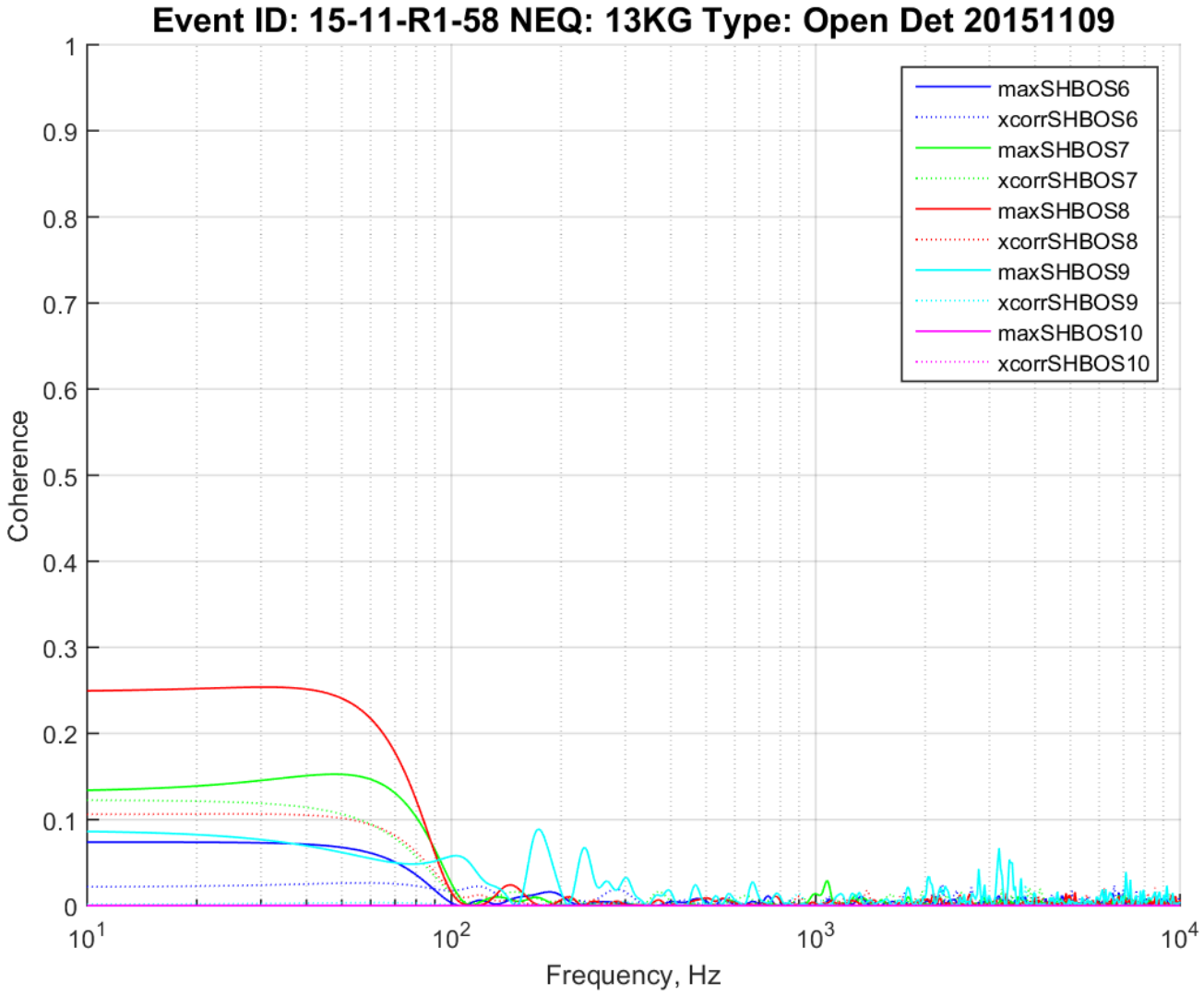


FIGURE 2.1656: COHERENCE SHB_OS 6 - 10 15-11-R1-58CTD

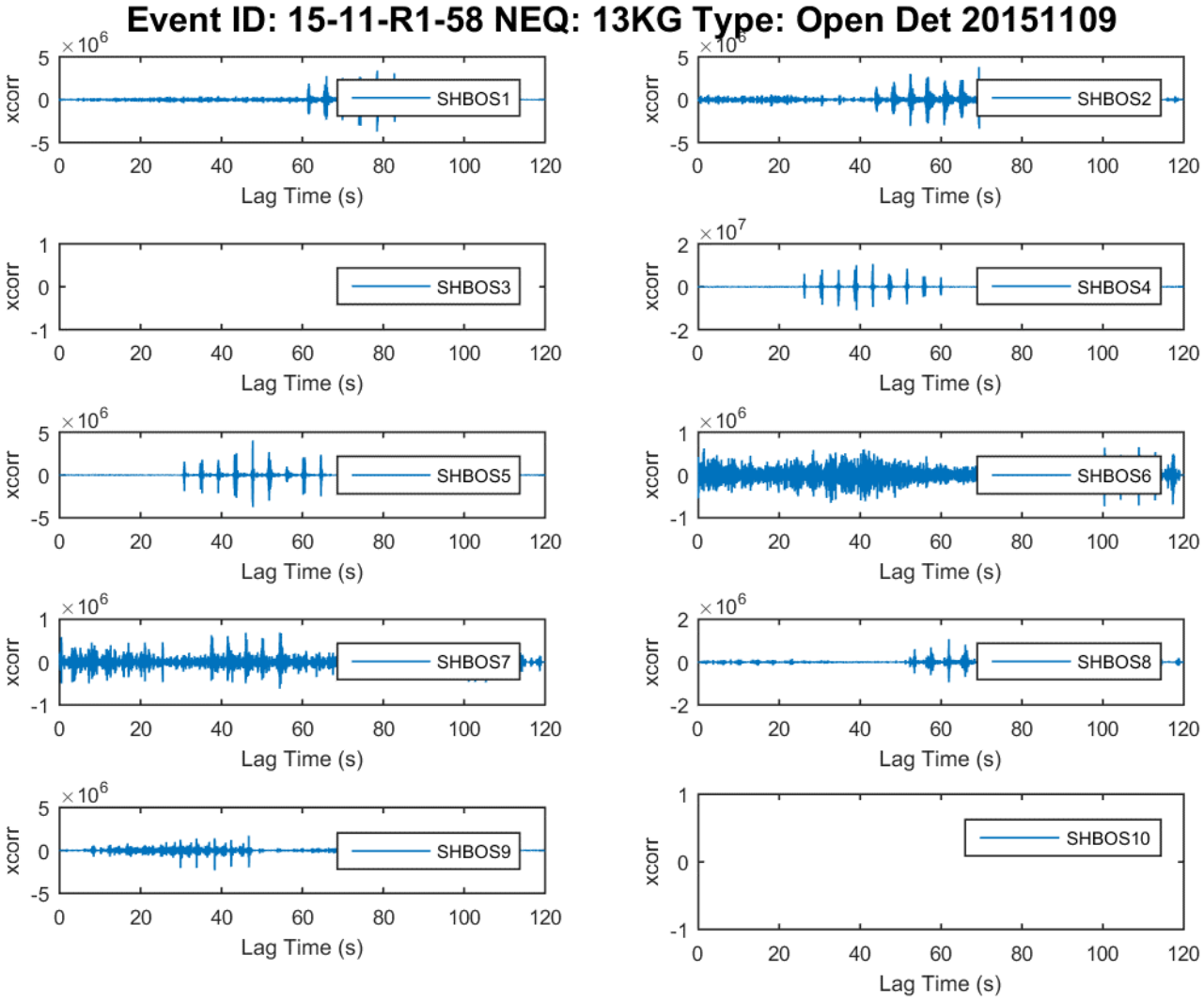


FIGURE 2.1657: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-58

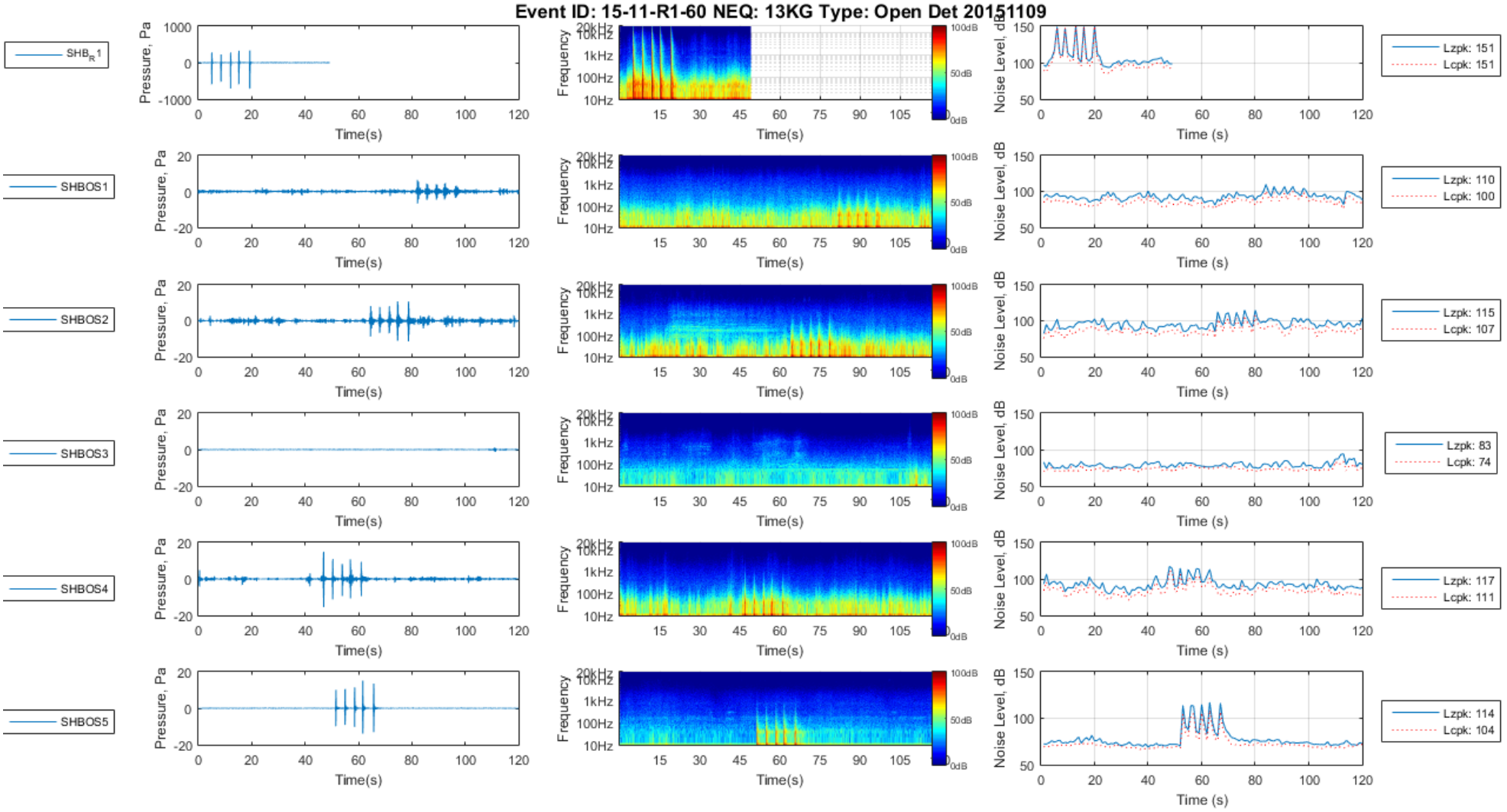


FIGURE 2.1658: SHB_OS 1 - 5 15-11-R1-60

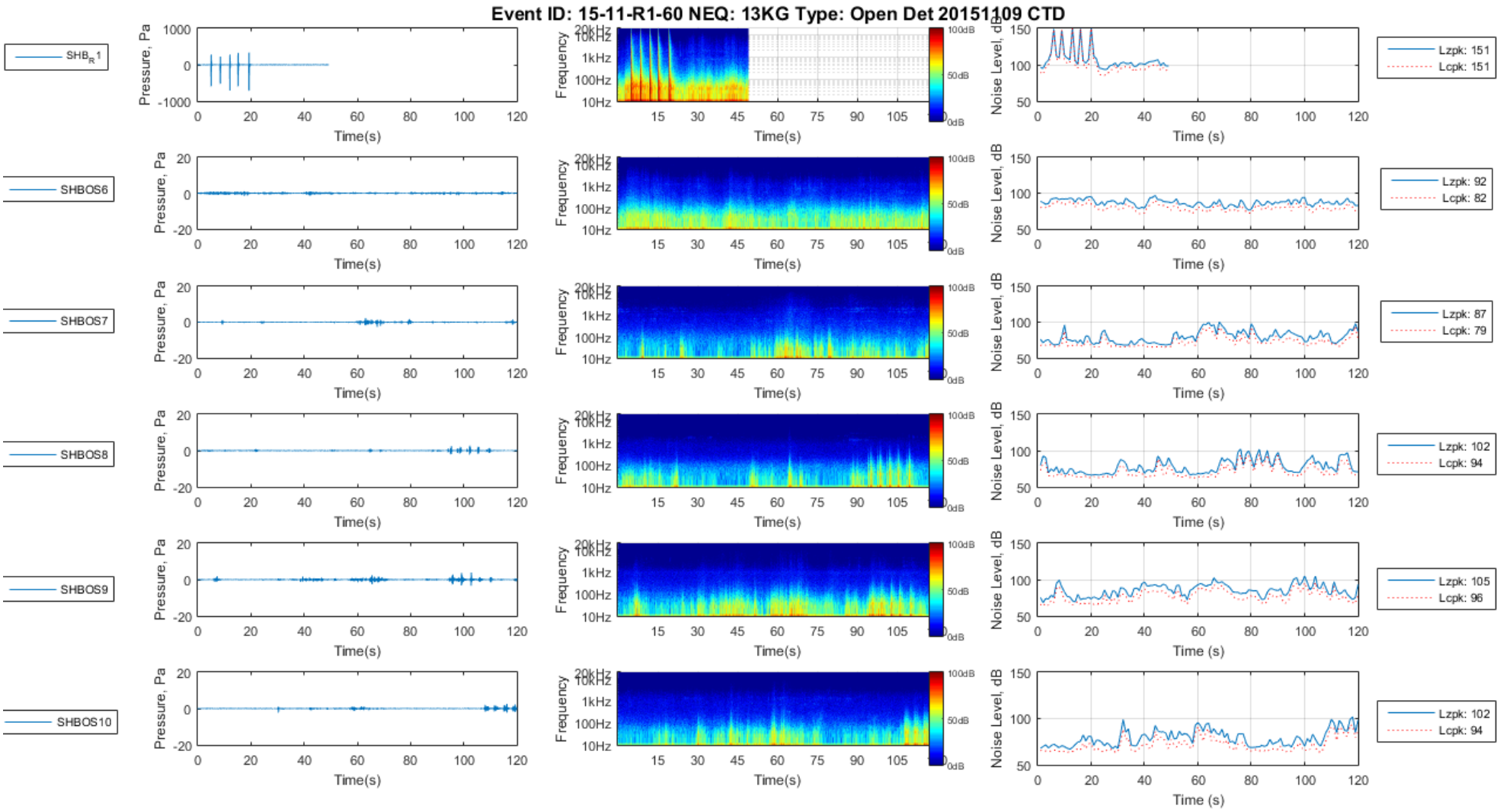


FIGURE 2.1659: SHB_OS 6 - 10 15-11-R1-60

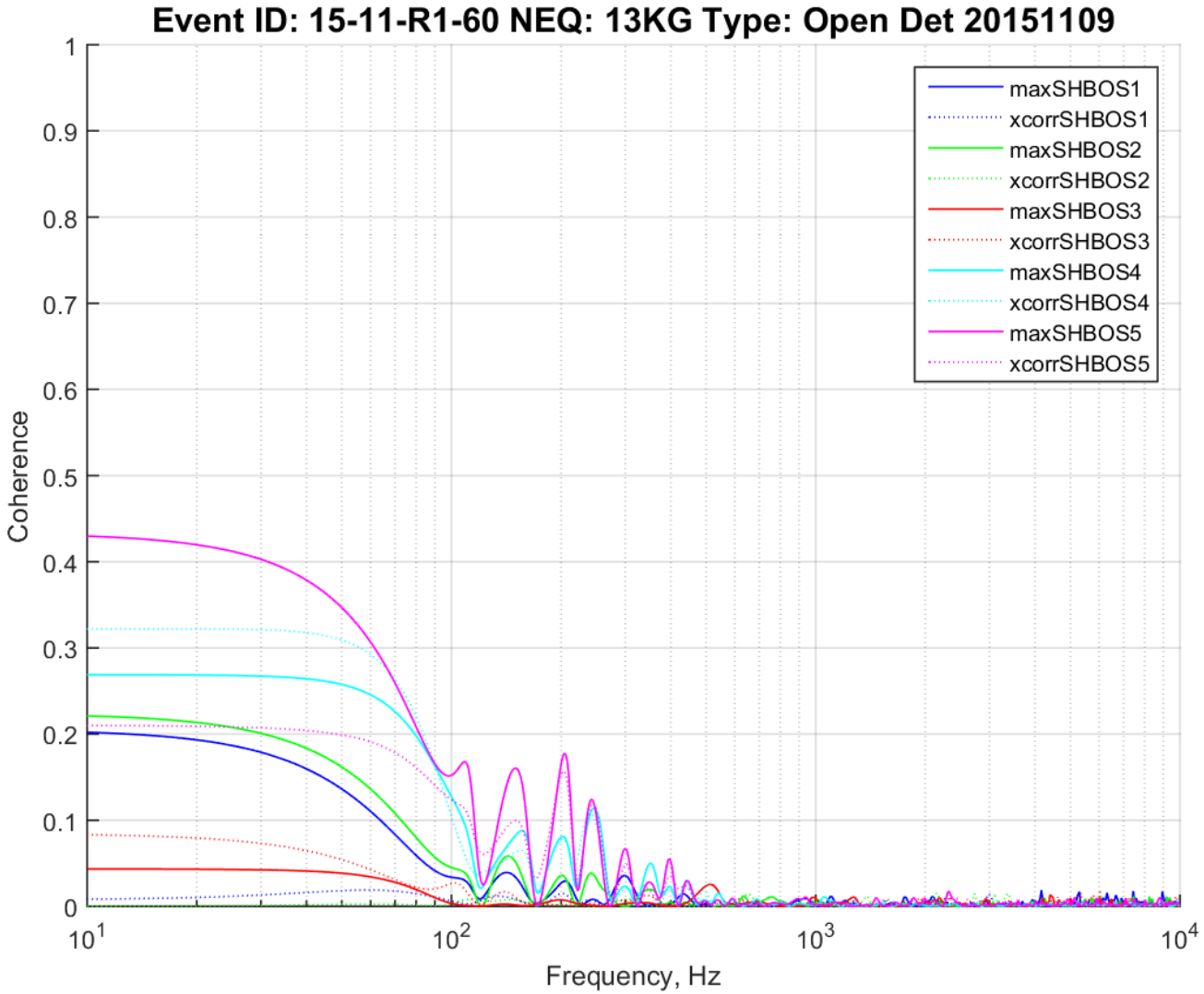


FIGURE 2.1660: COHERENCE SHB_OS 1 - 5 15-11-R1-60

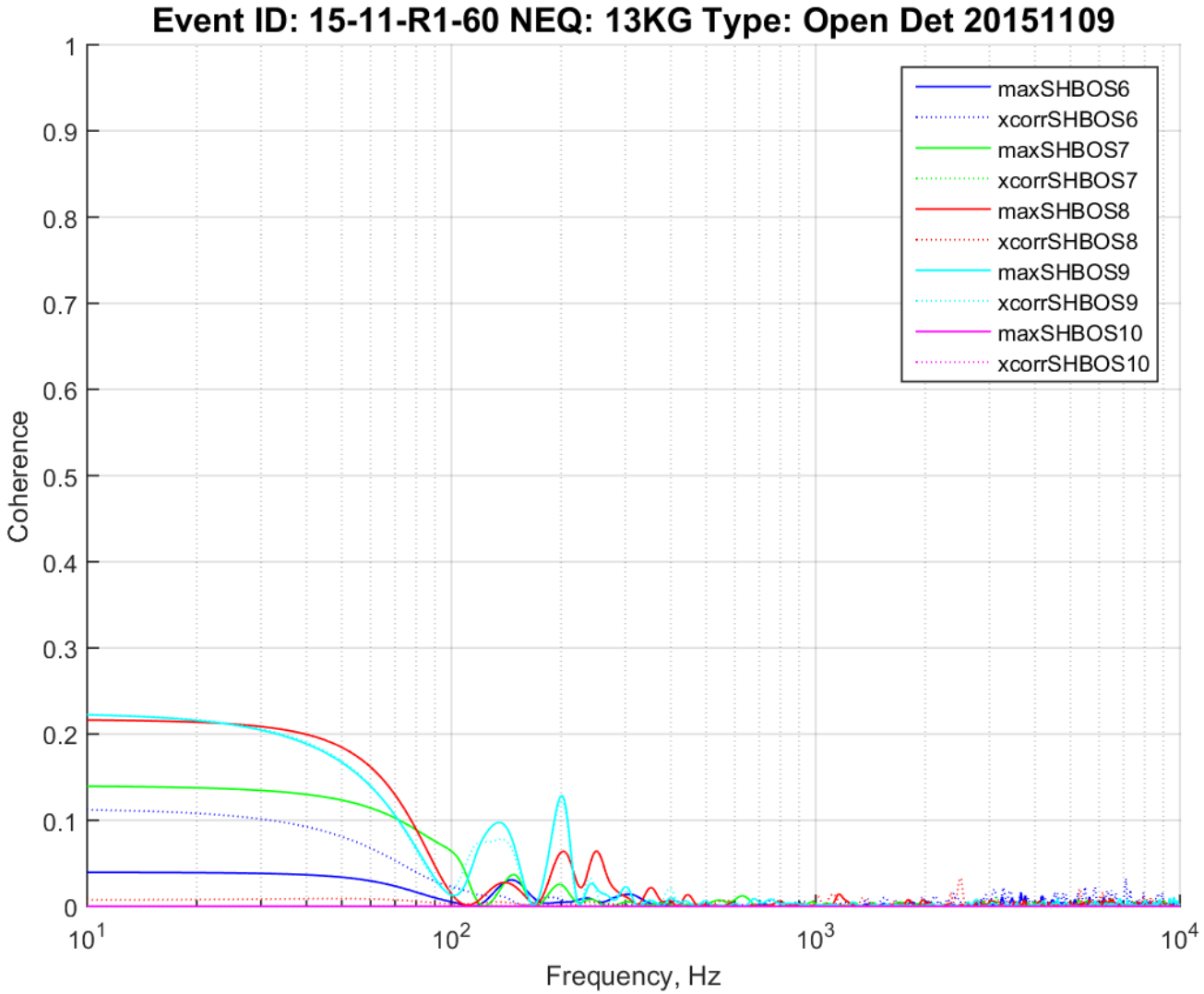


FIGURE 2.1661: COHERENCE SHB_OS 6 - 10 15-11-R1-60CTD

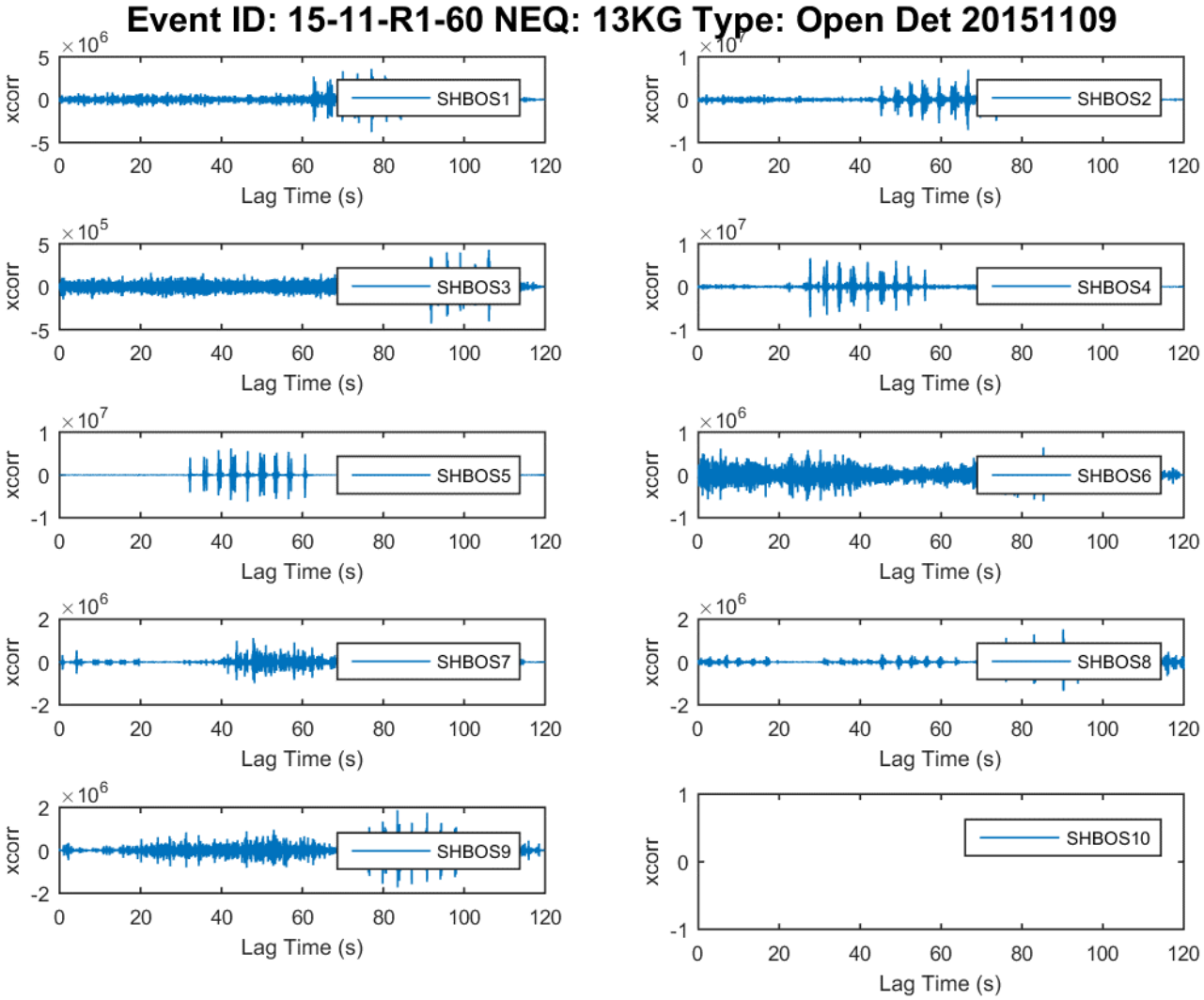


FIGURE 2.1662: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-60

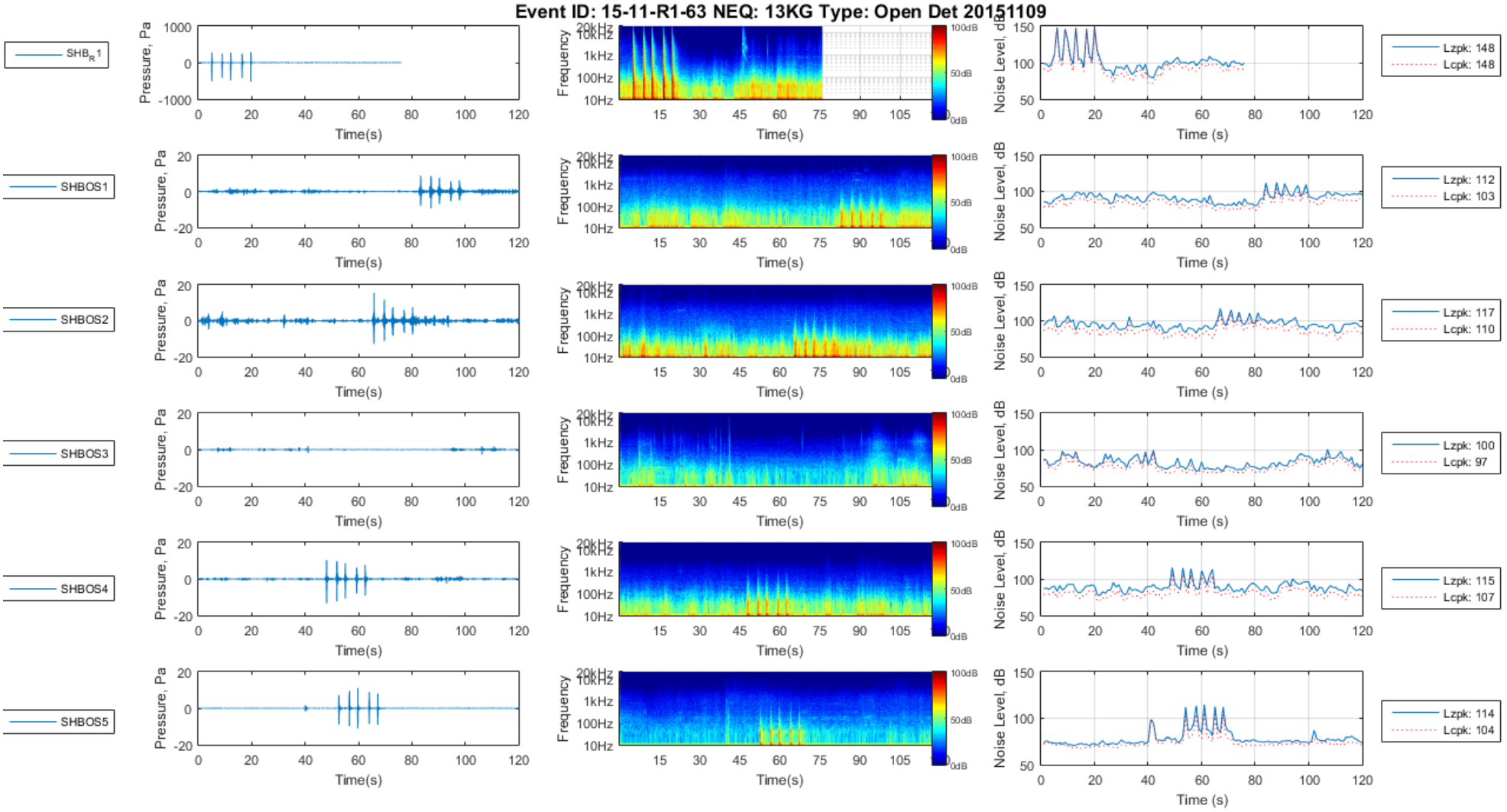


FIGURE 2.1663: SHB_OS 1 - 5 15-11-R1-63

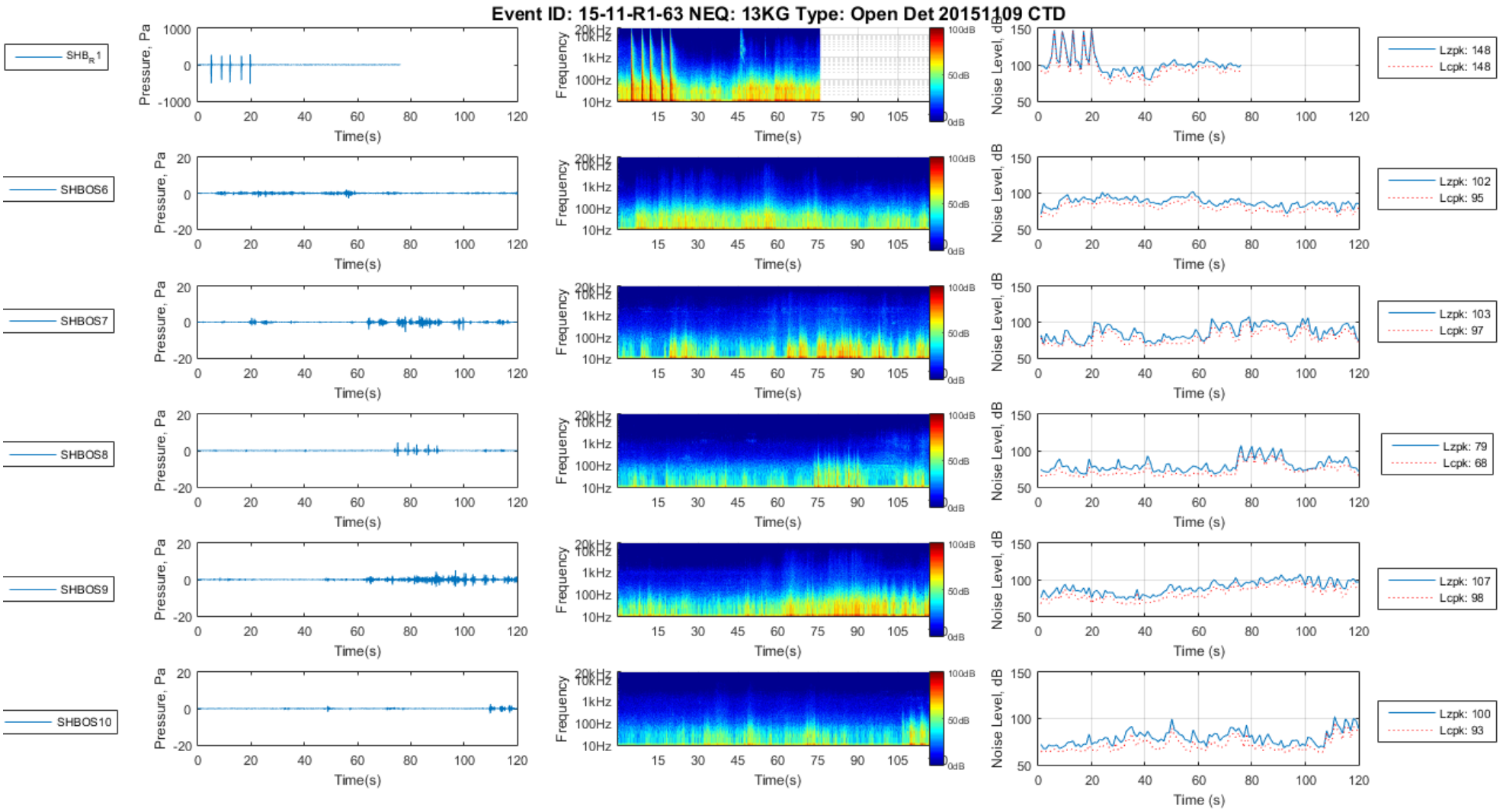


FIGURE 2.1664: SHB_OS 6 - 10 15-11-R1-63

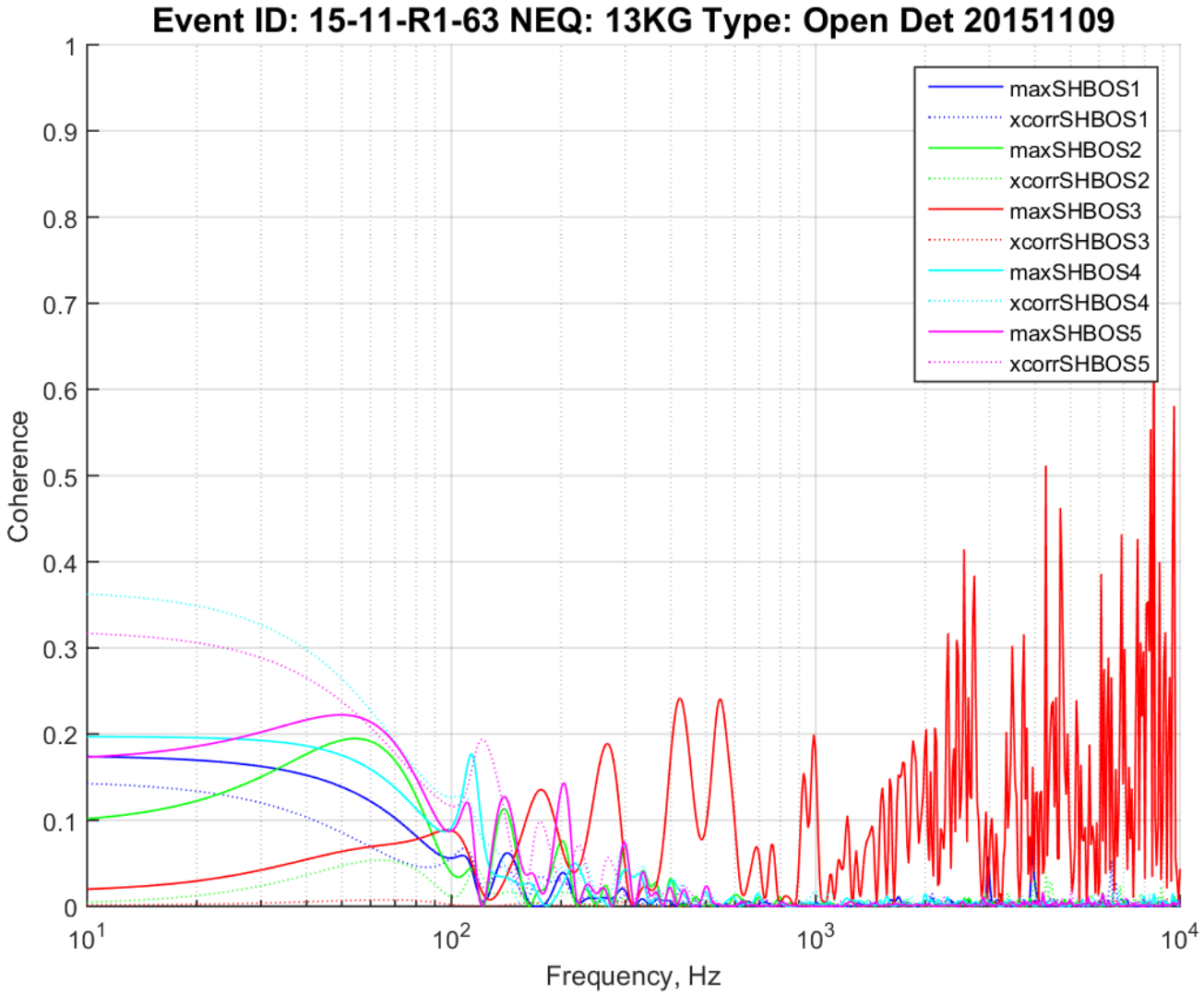


FIGURE 2.1665: COHERENCE SHB_OS 1 - 5 15-11-R1-63

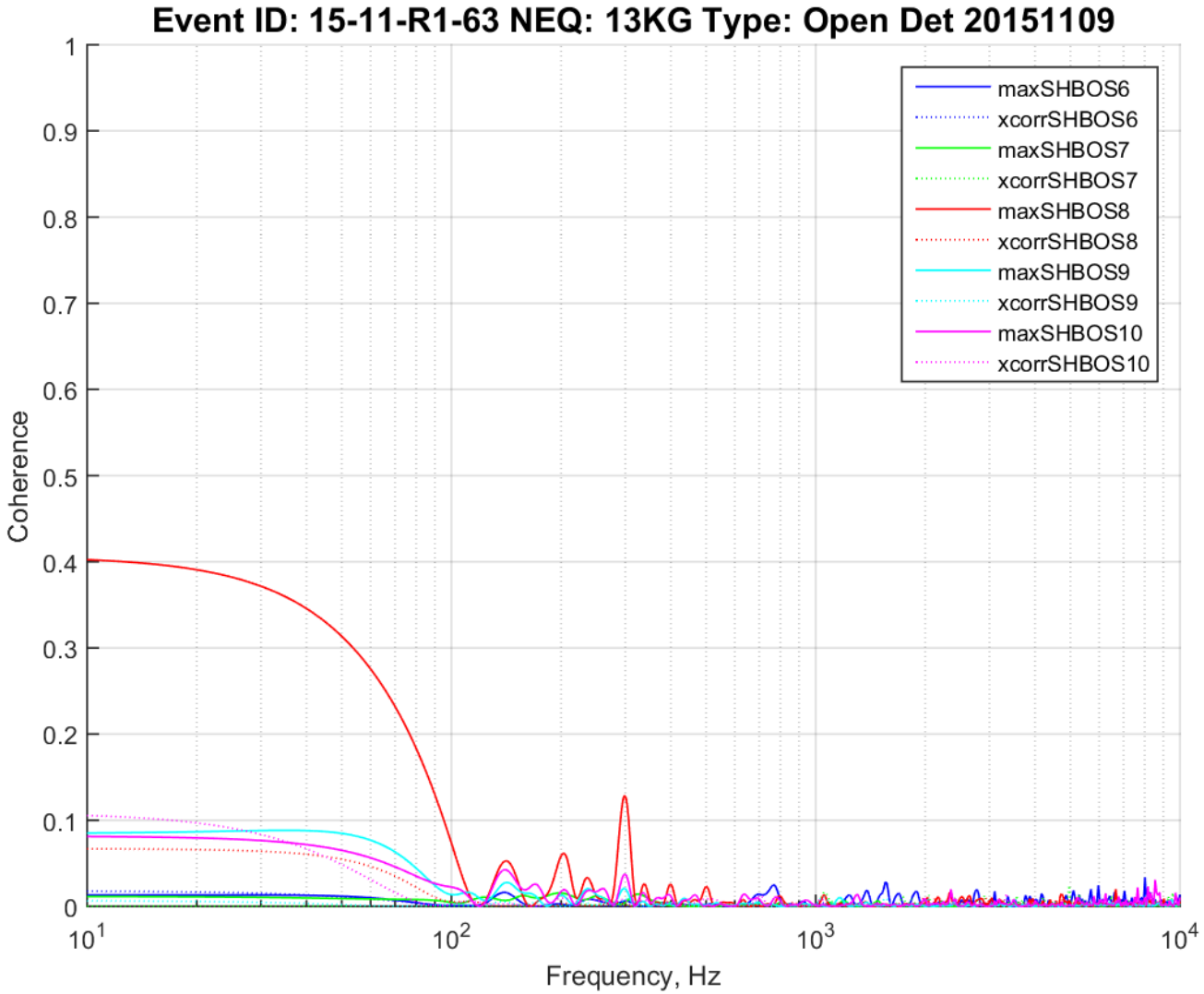


FIGURE 2.1666: COHERENCE SHB_OS 6 - 10 15-11-R1-63CTD

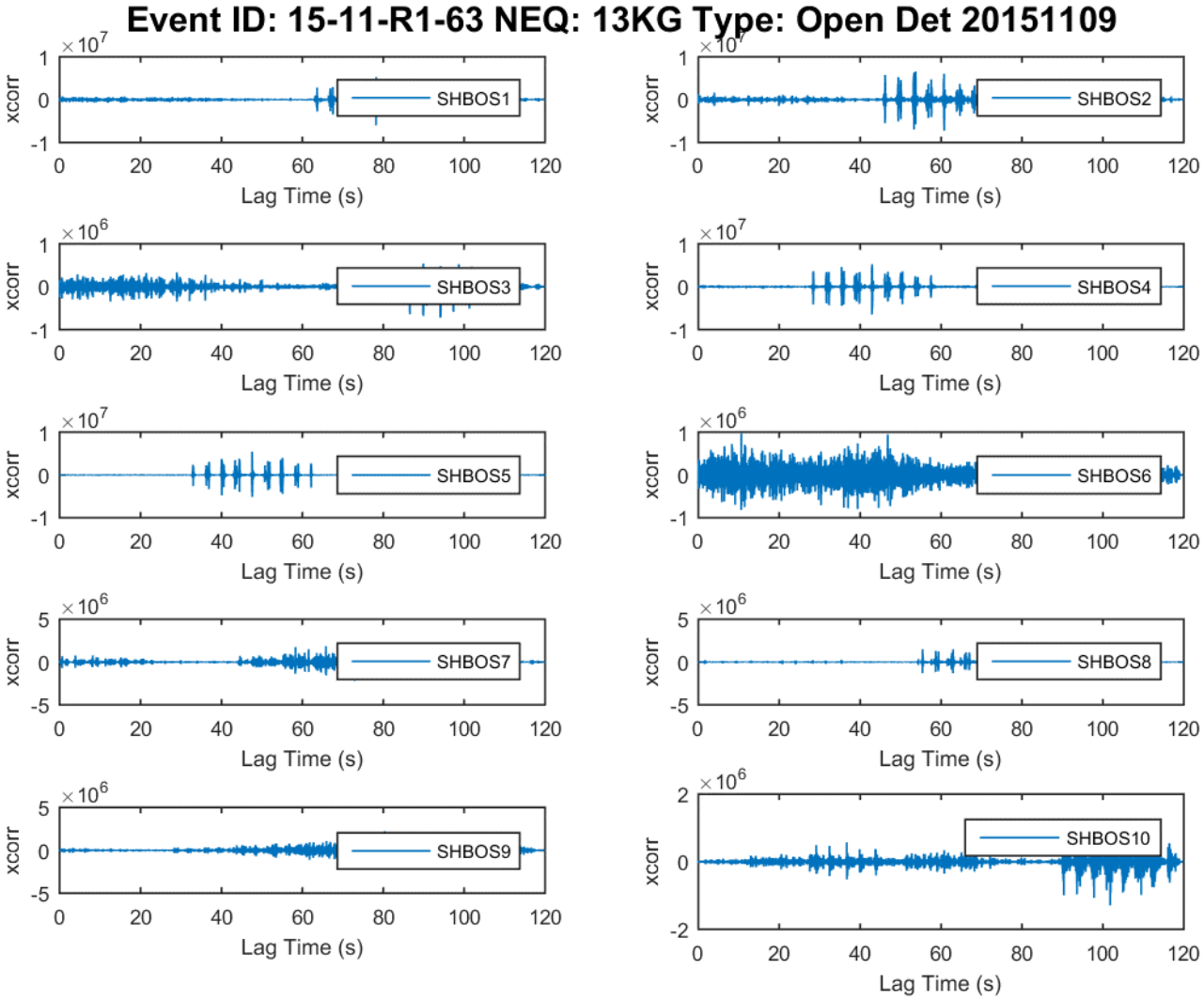


FIGURE 2.1667: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-63

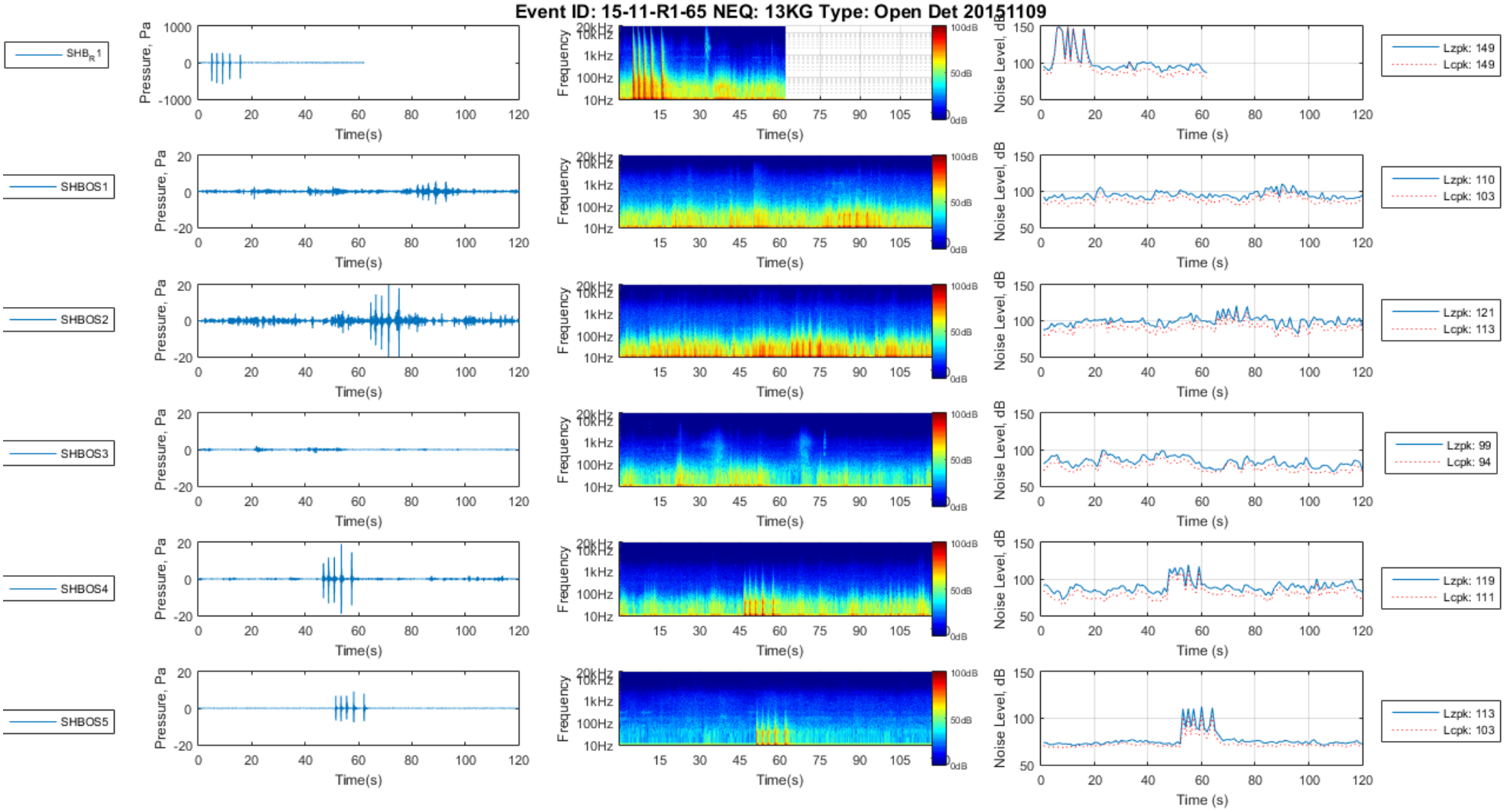


FIGURE 2.1668: SHB_OS 1 - 5 15-11-R1-65

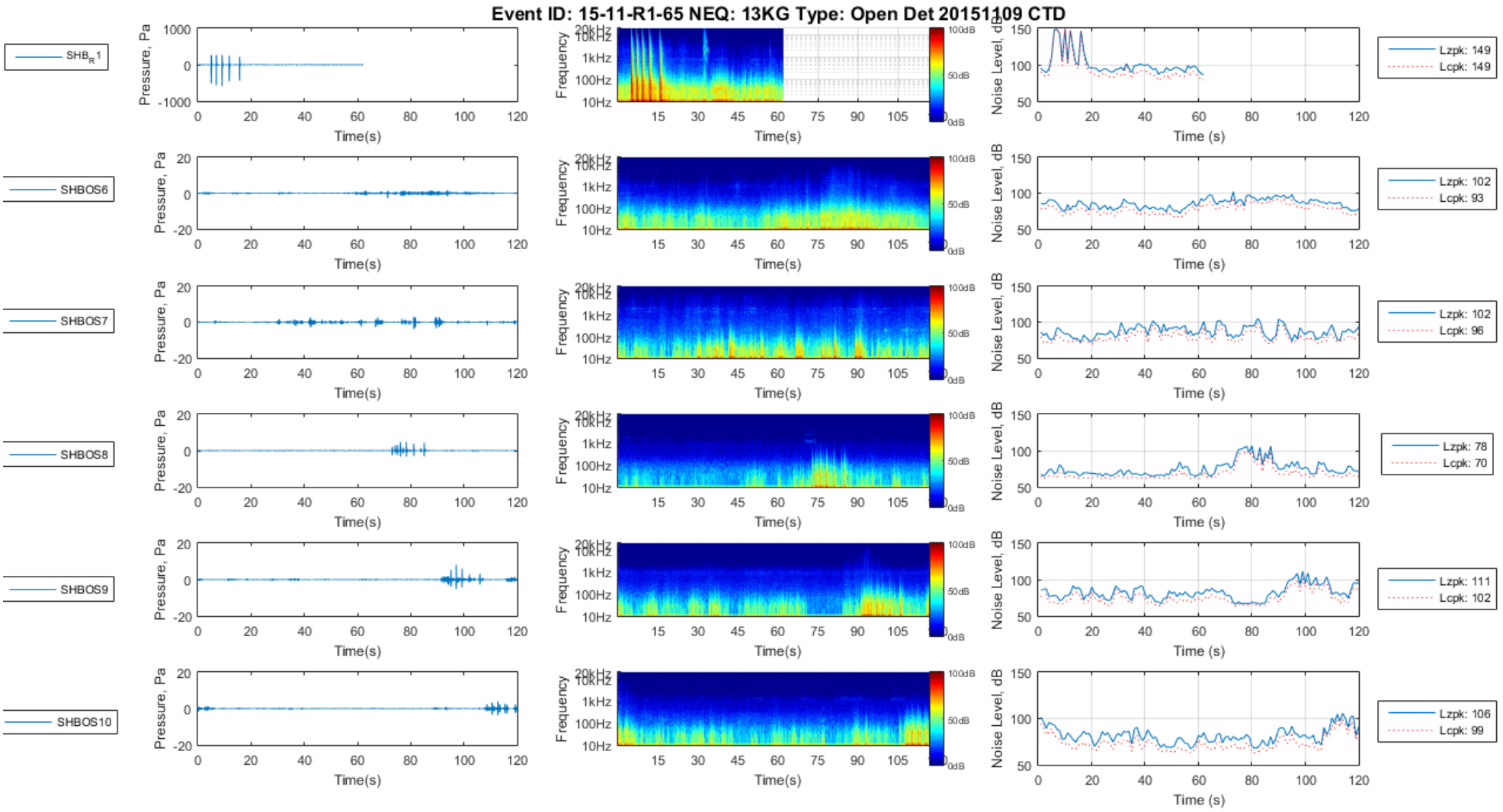


FIGURE 2.1669: SHB_OS 6 - 10 15-11-R1-65

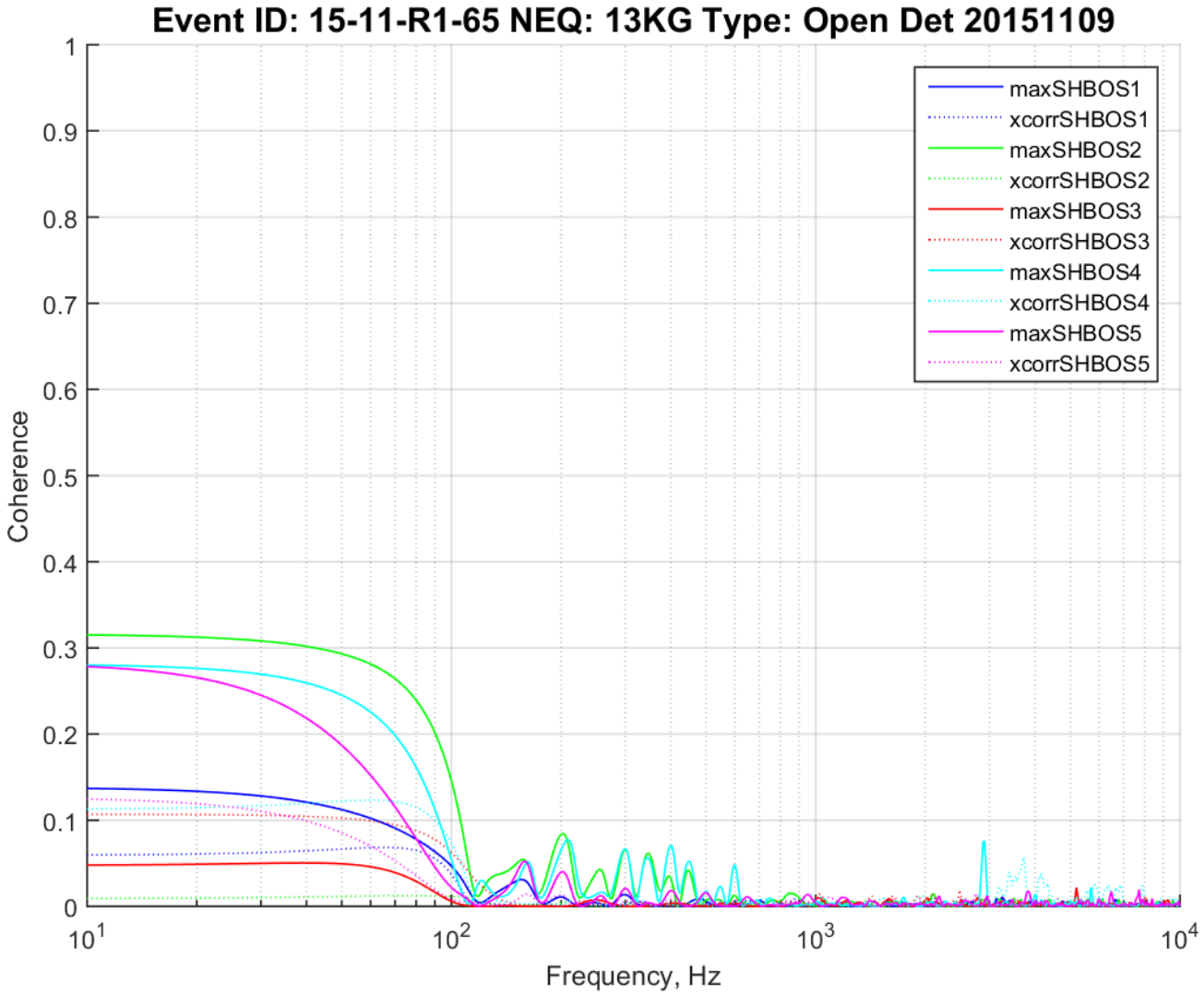


FIGURE 2.1670: COHERENCE SHB_OS 1 - 5 15-11-R1-65

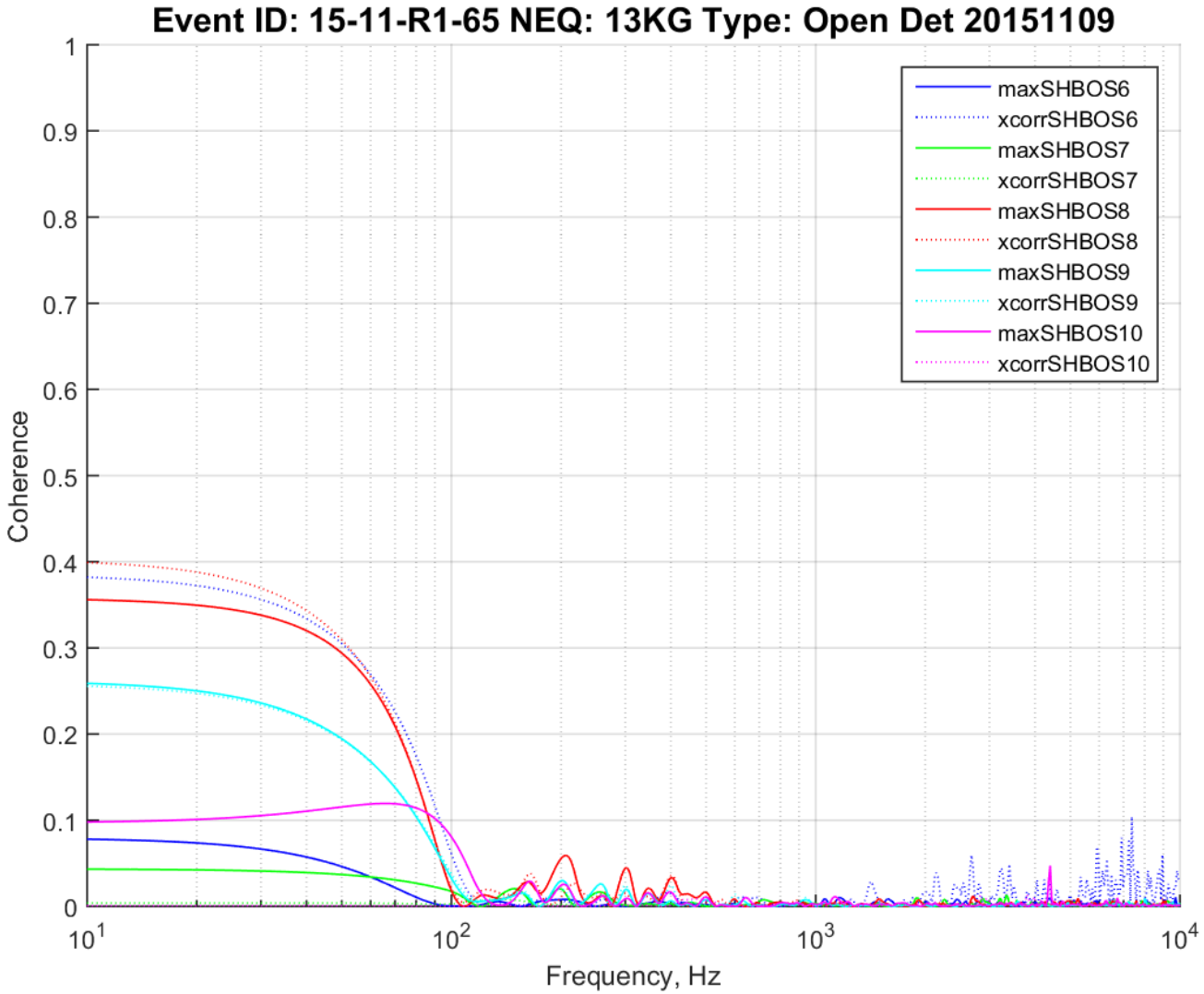


FIGURE 2.1671: COHERENCE SHB_OS 6 - 10 15-11-R1-65CTD

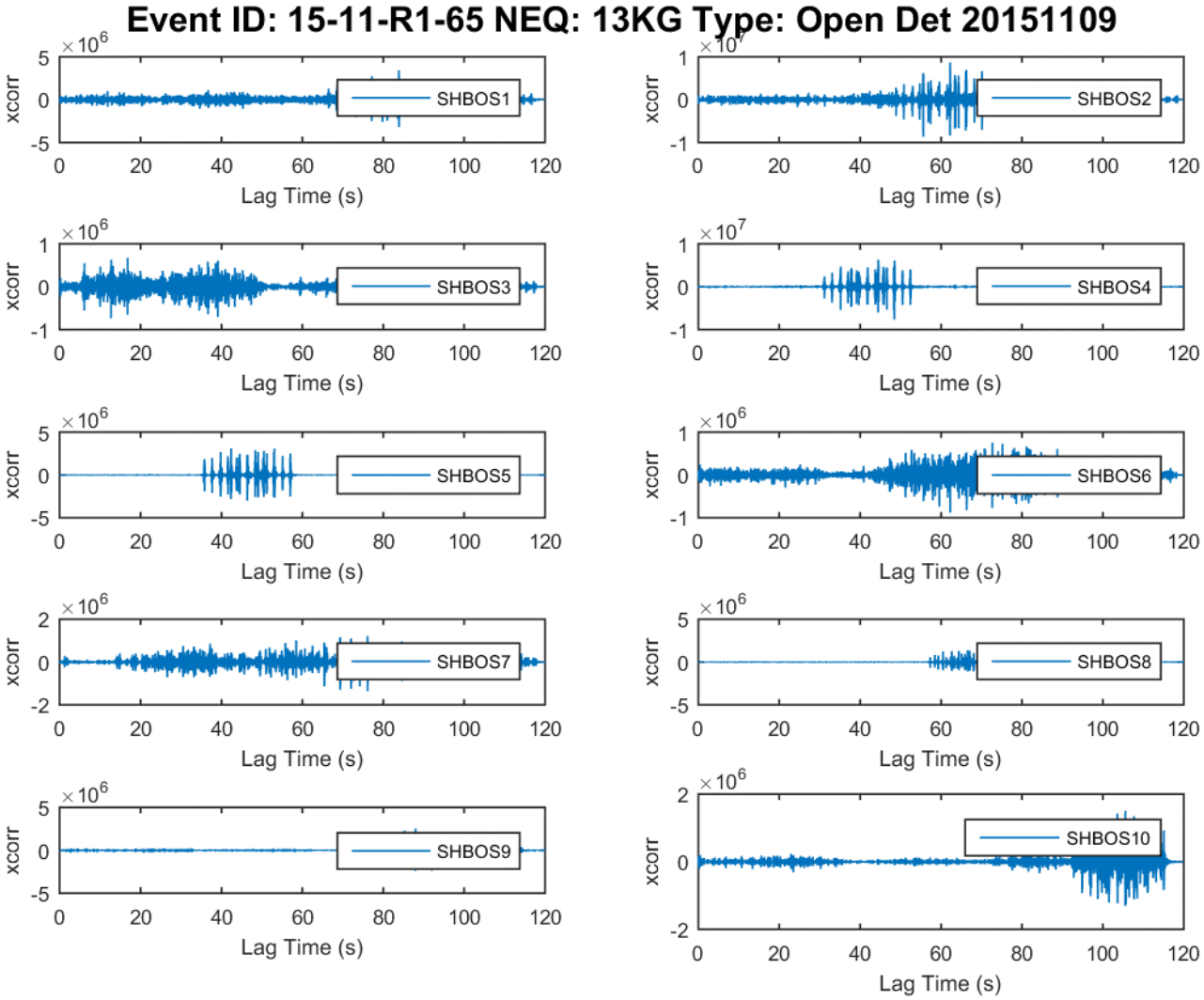


FIGURE 2.1672: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-65

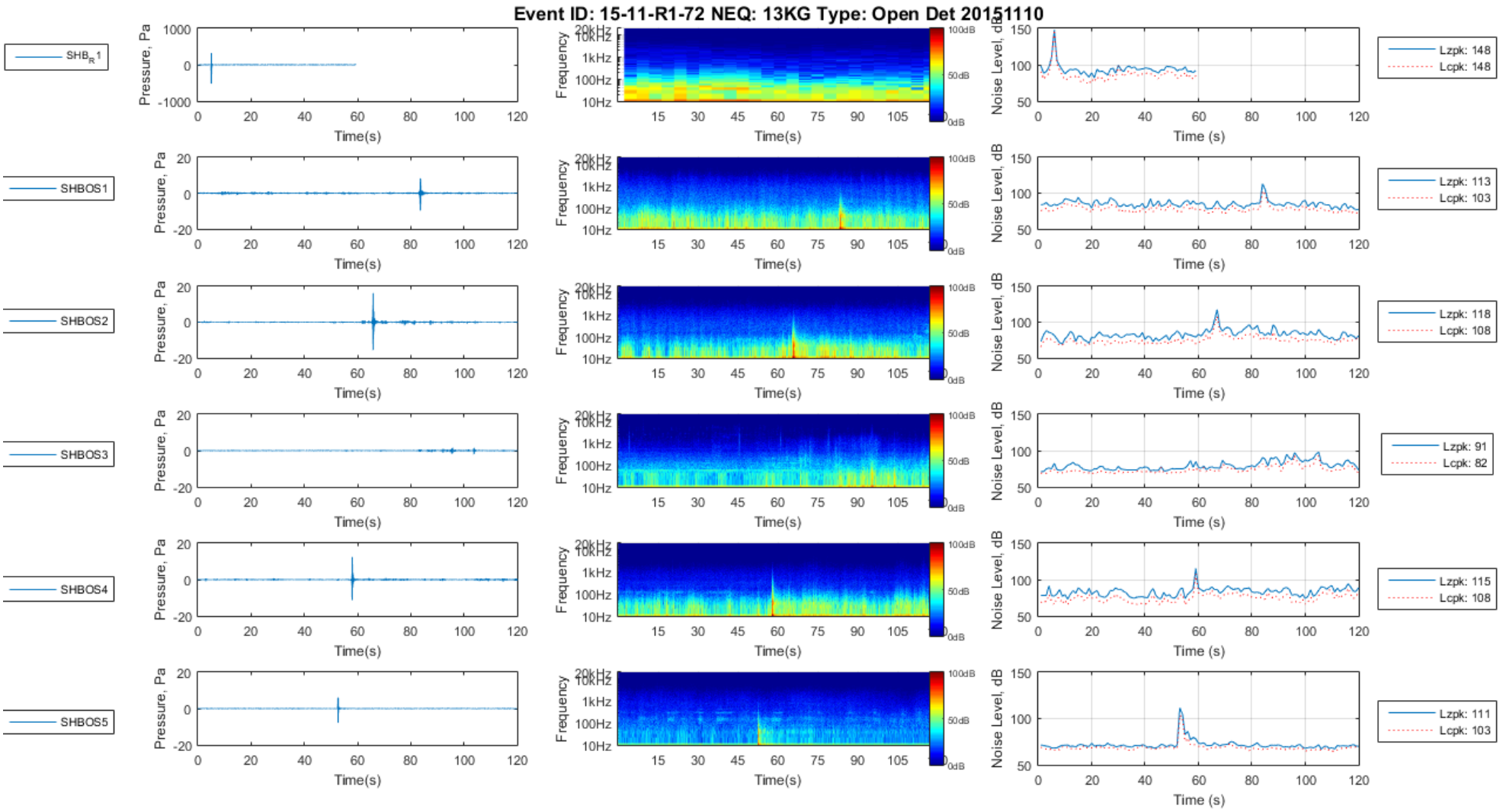


FIGURE 2.1673: SHB_OS 1 - 5 15-11-R1-72

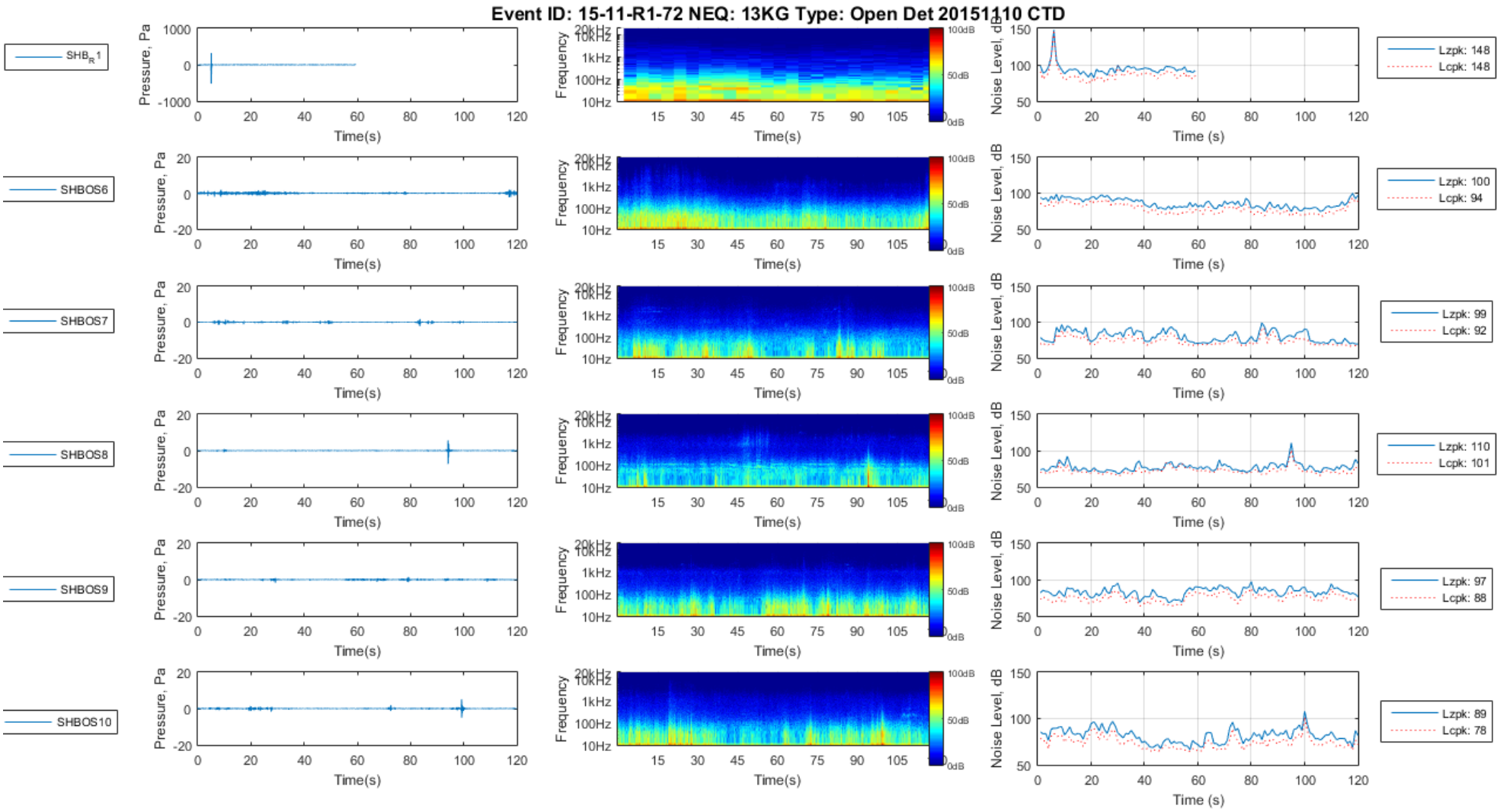


FIGURE 2.1674: SHB_OS 6 - 10 15-11-R1-72

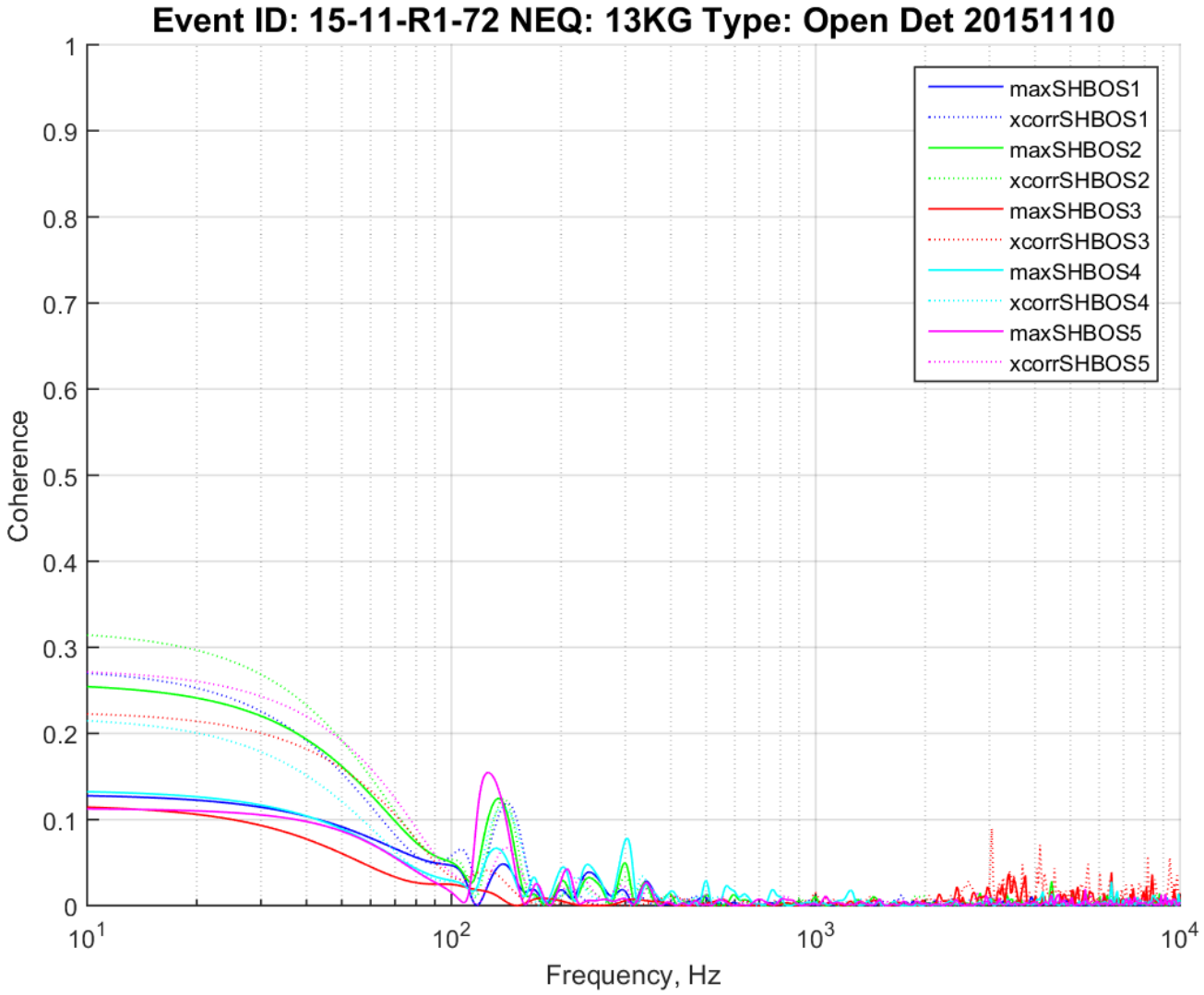


FIGURE 2.1675: COHERENCE SHB_OS 1 - 5 15-11-R1-72

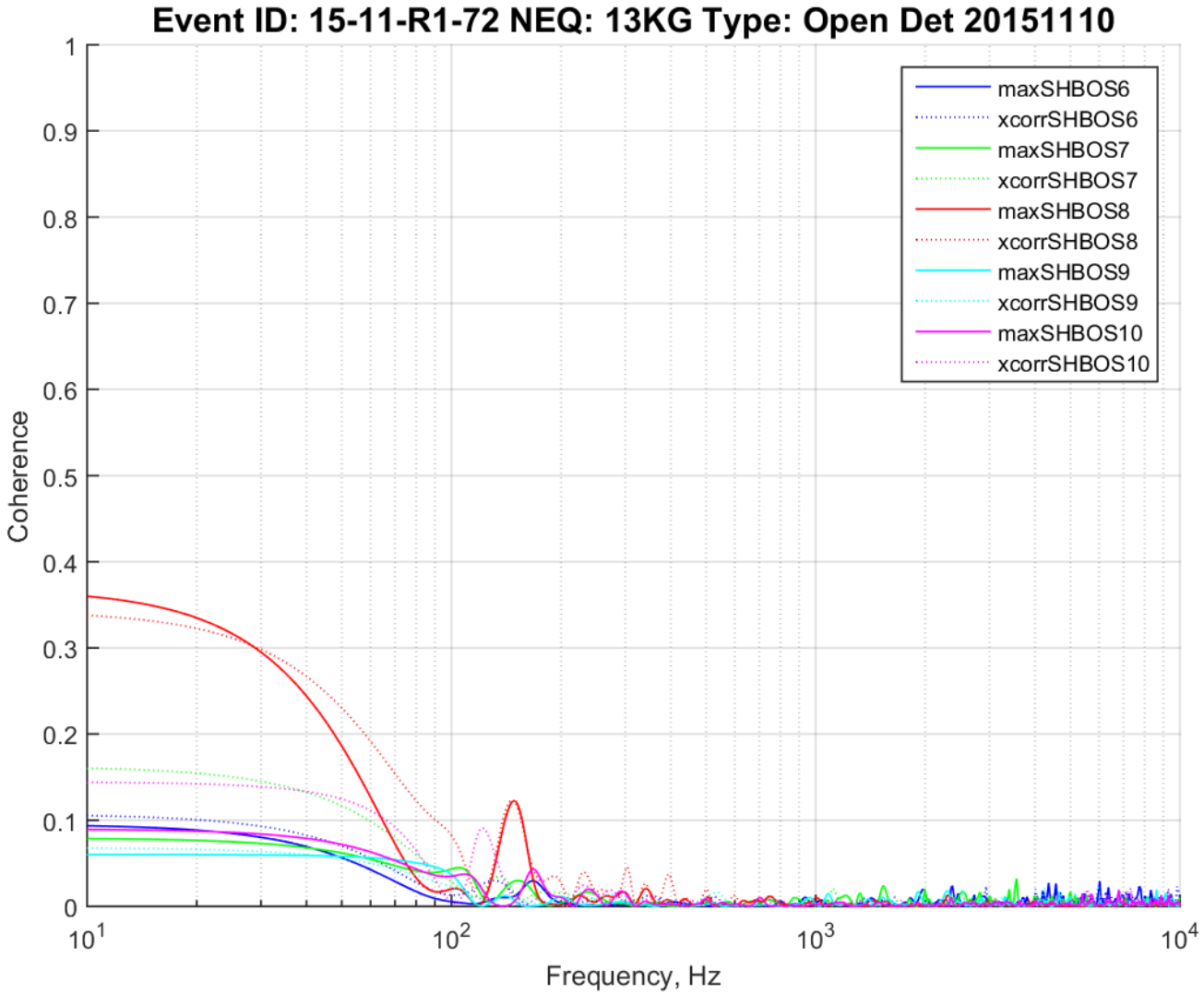


FIGURE 2.1676: COHERENCE SHB_OS 6 - 10 15-11-R1-72CTD

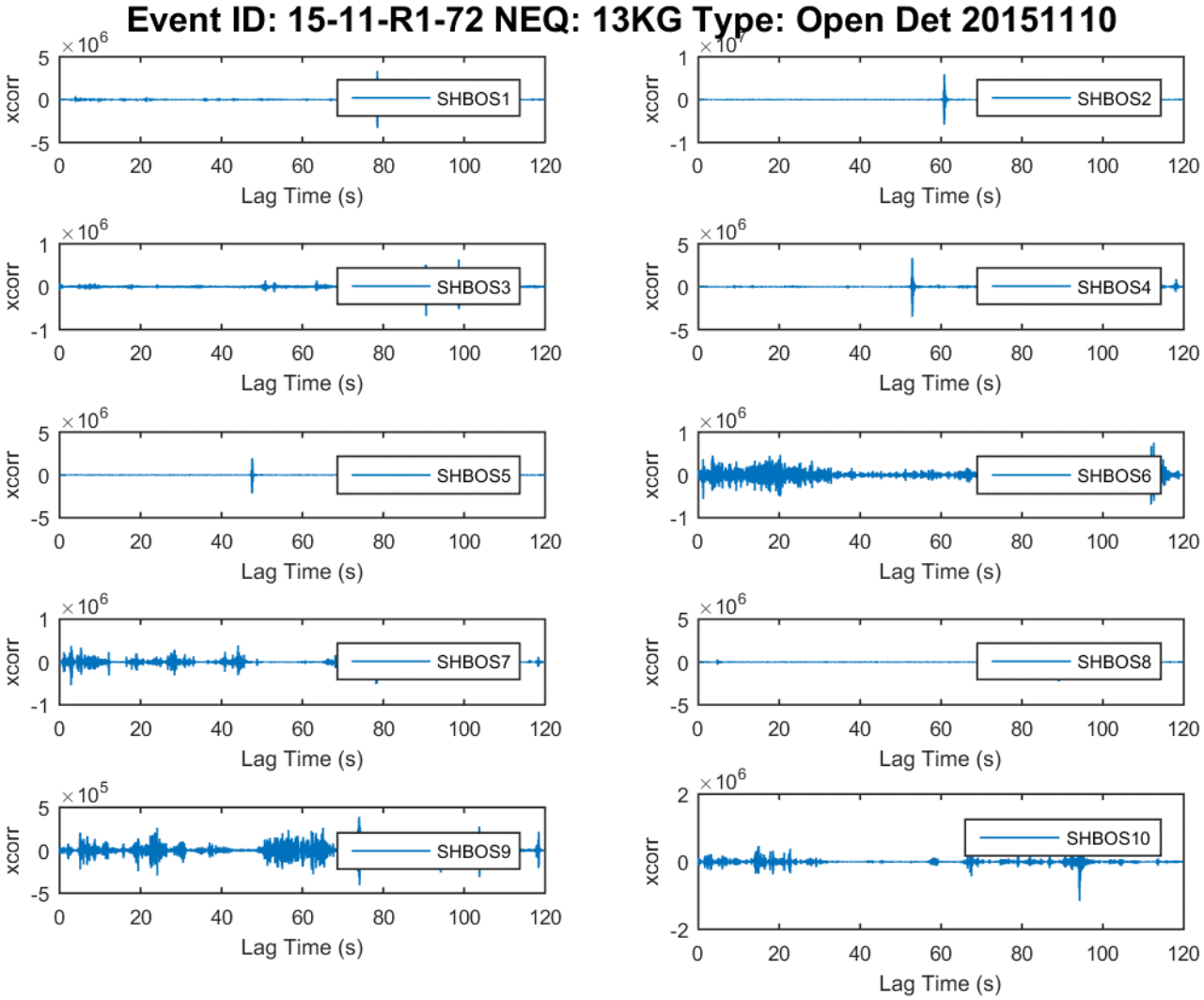


FIGURE 2.1677: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-72

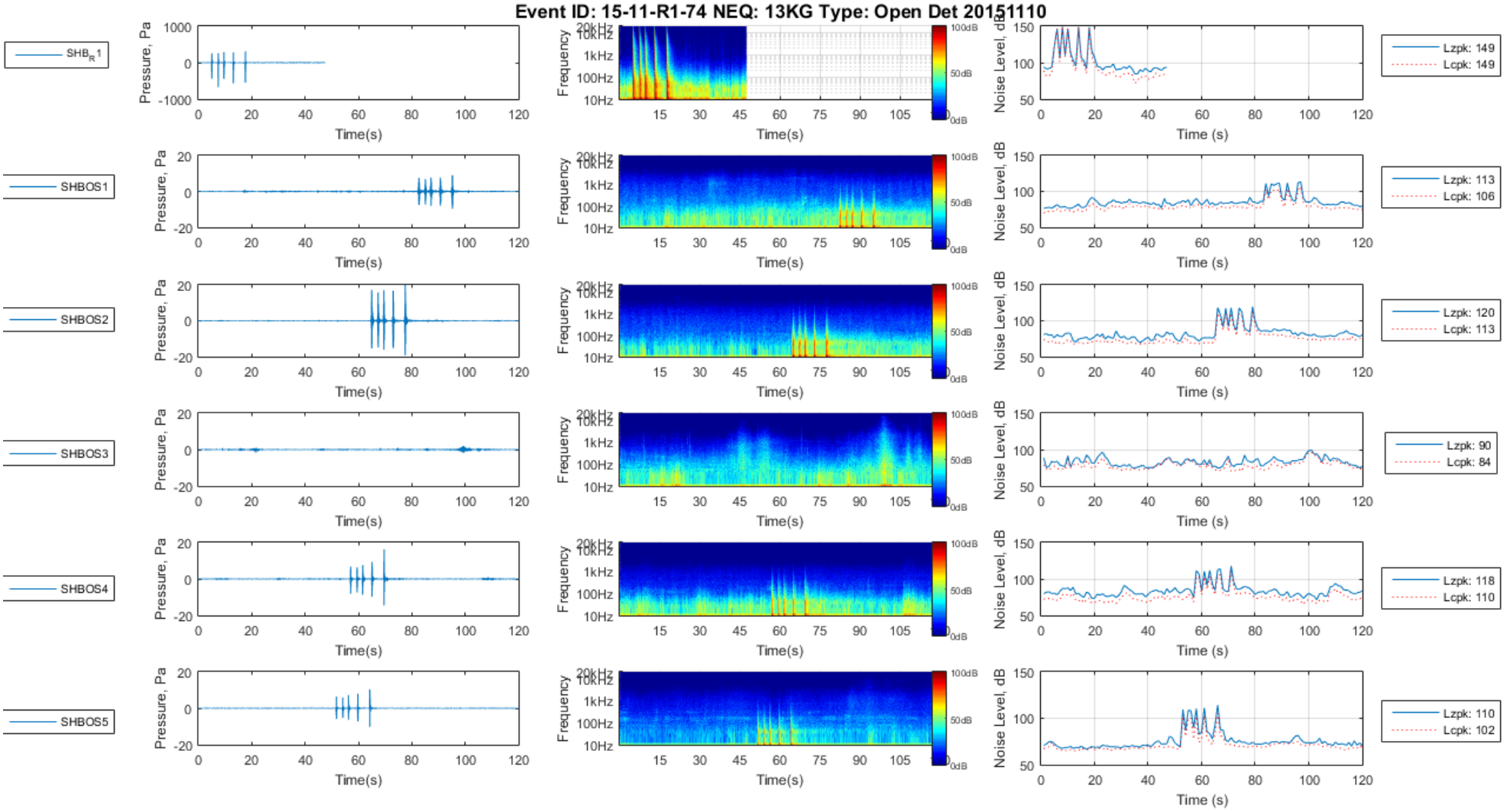


FIGURE 2.1678: SHB_OS 1 - 5 15-11-R1-74

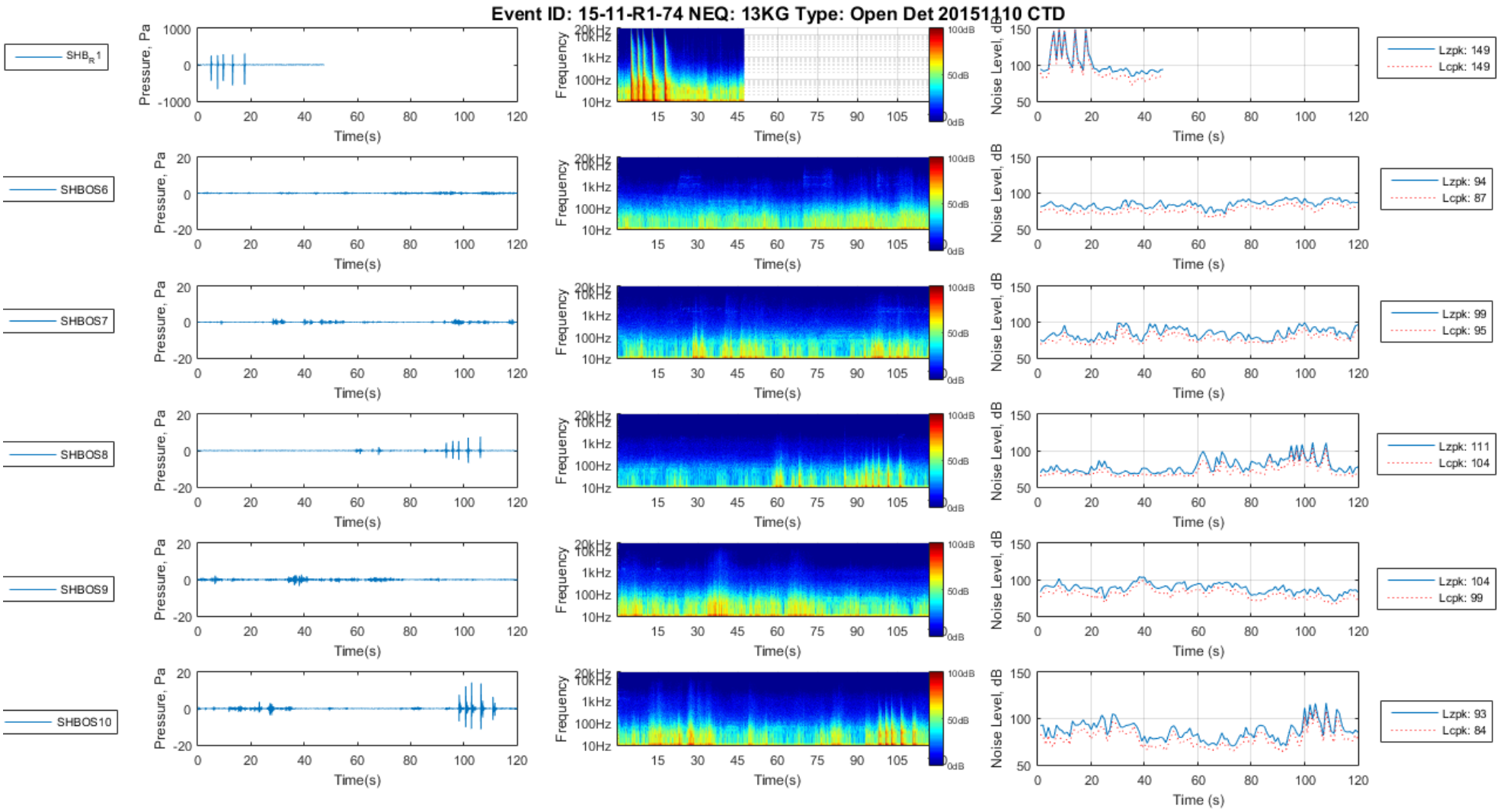


FIGURE 2.1679: SHB_OS 6 - 10 15-11-R1-74

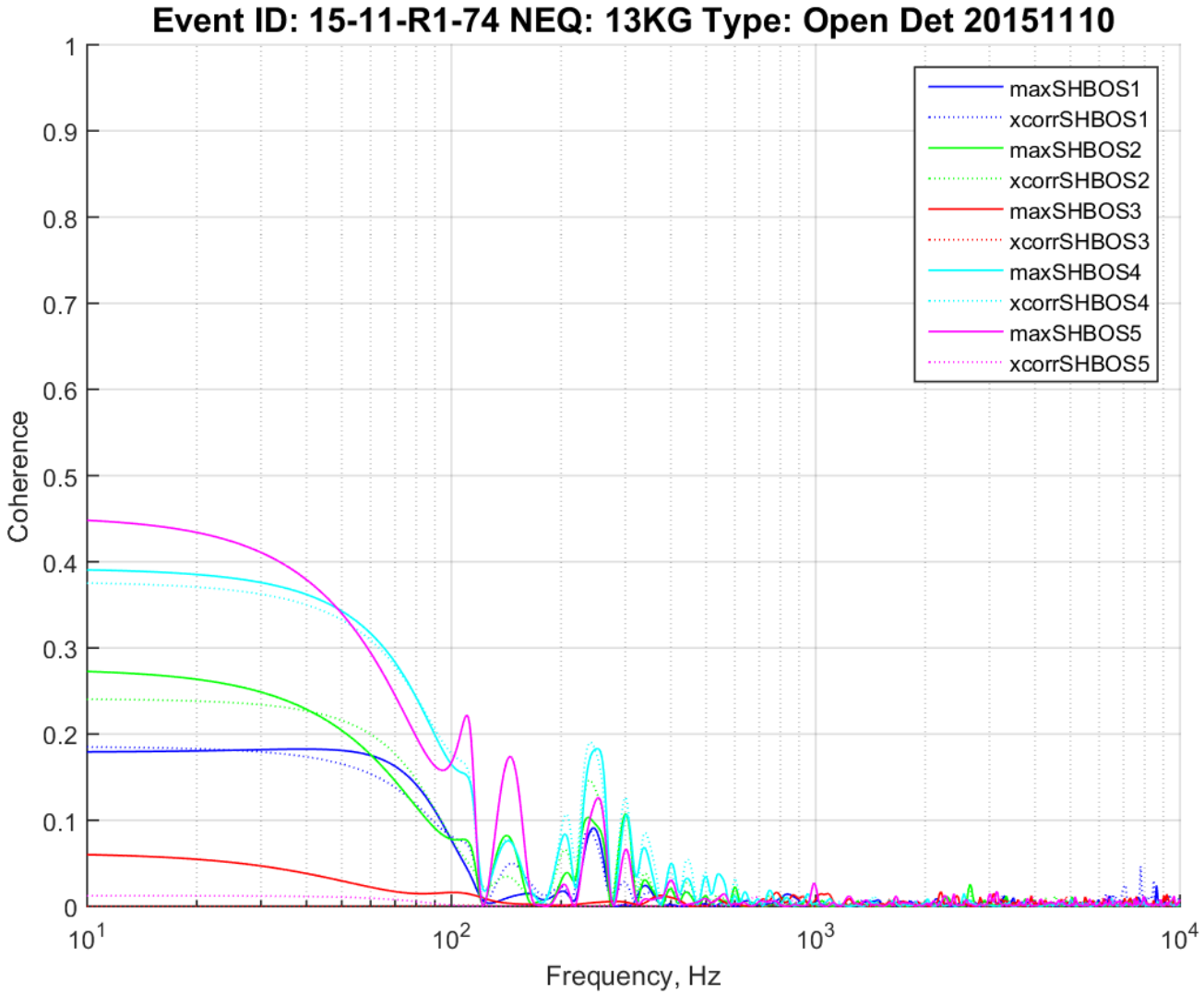


FIGURE 2.1680: COHERENCE SHB_OS 1 - 5 15-11-R1-74

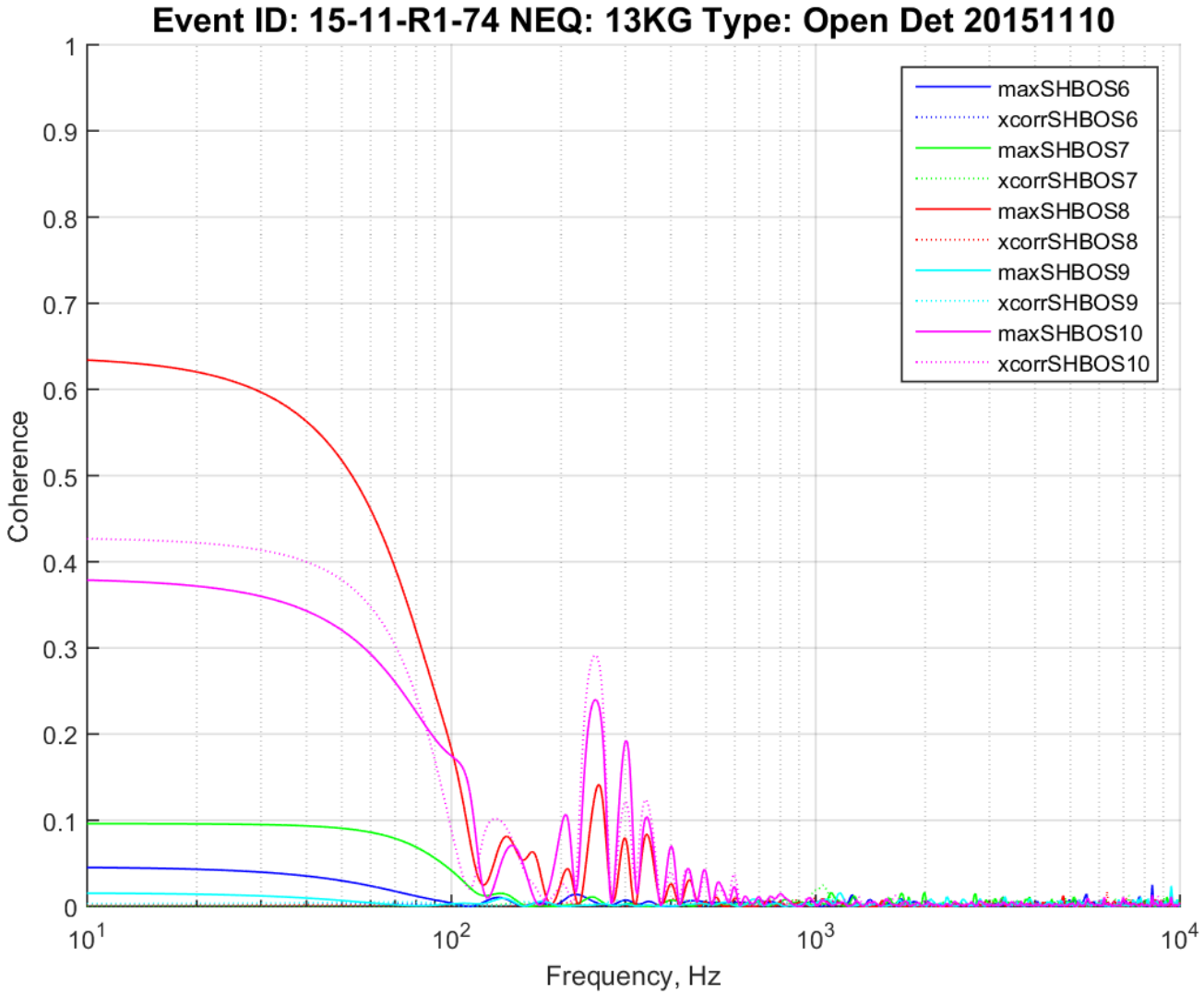


FIGURE 2.1681: COHERENCE SHB_OS 6 - 10 15-11-R1-74CTD

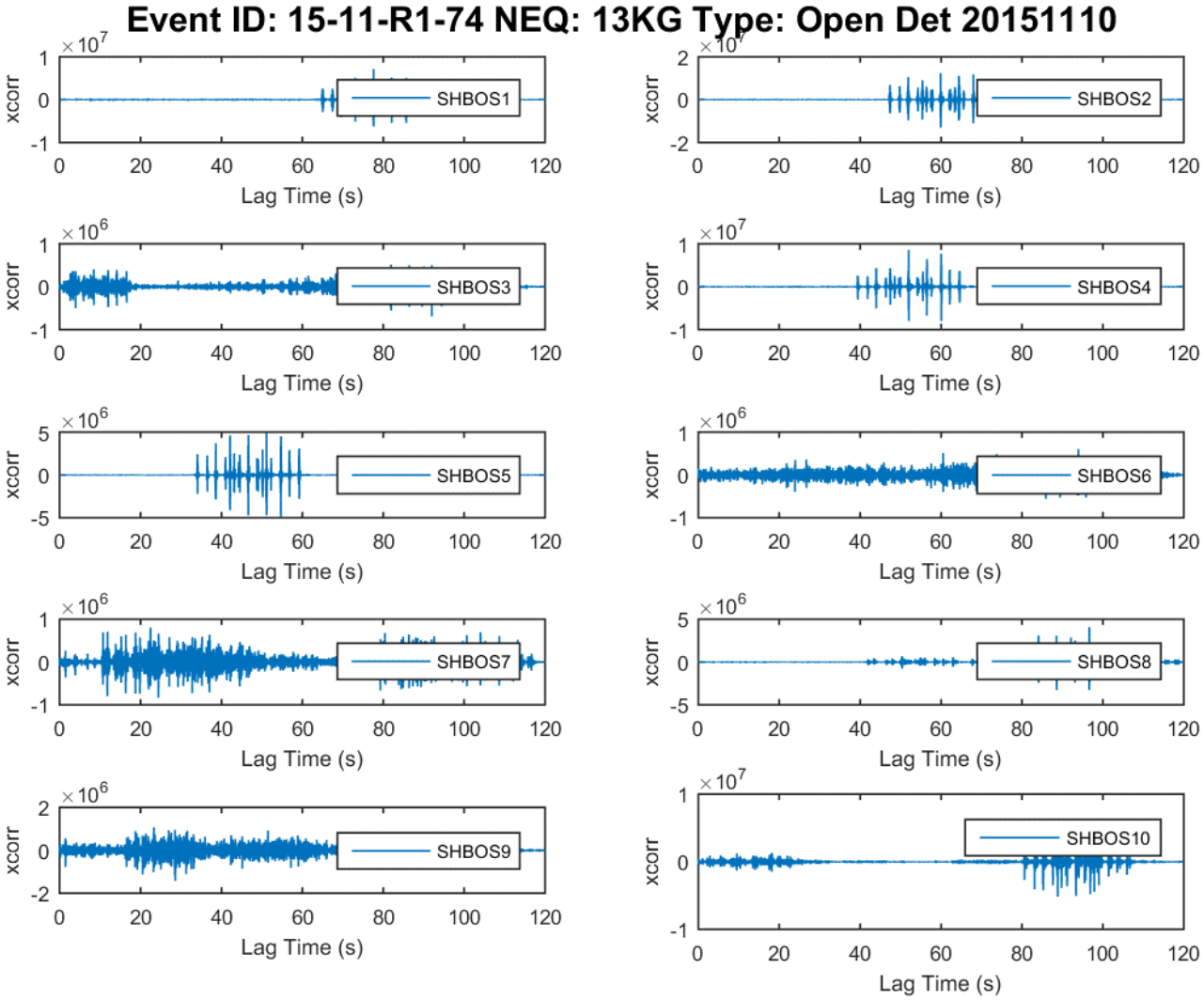


FIGURE 2.1682: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-74

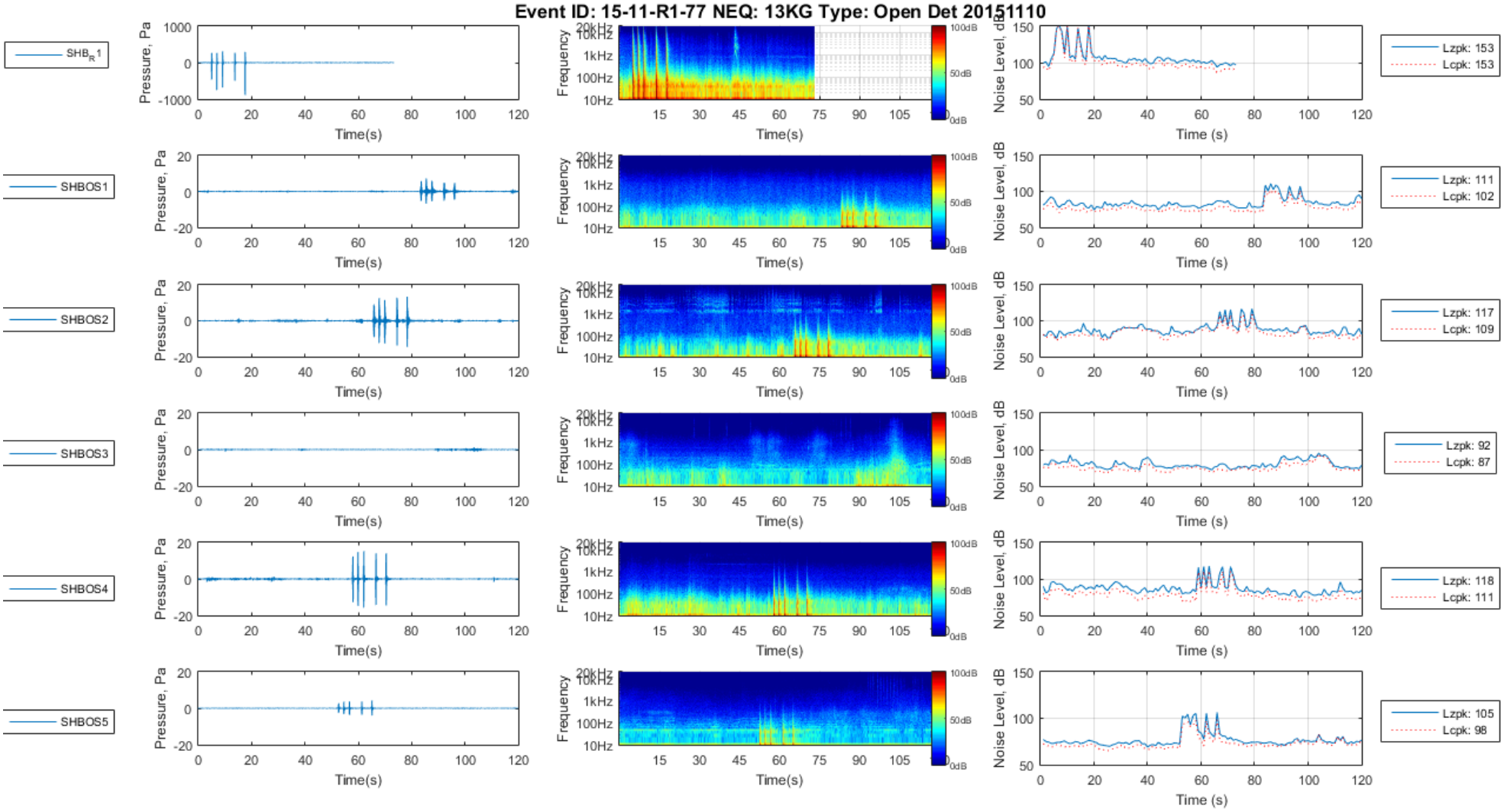


FIGURE 2.1683: SHB_OS 1 - 5 15-11-R1-77

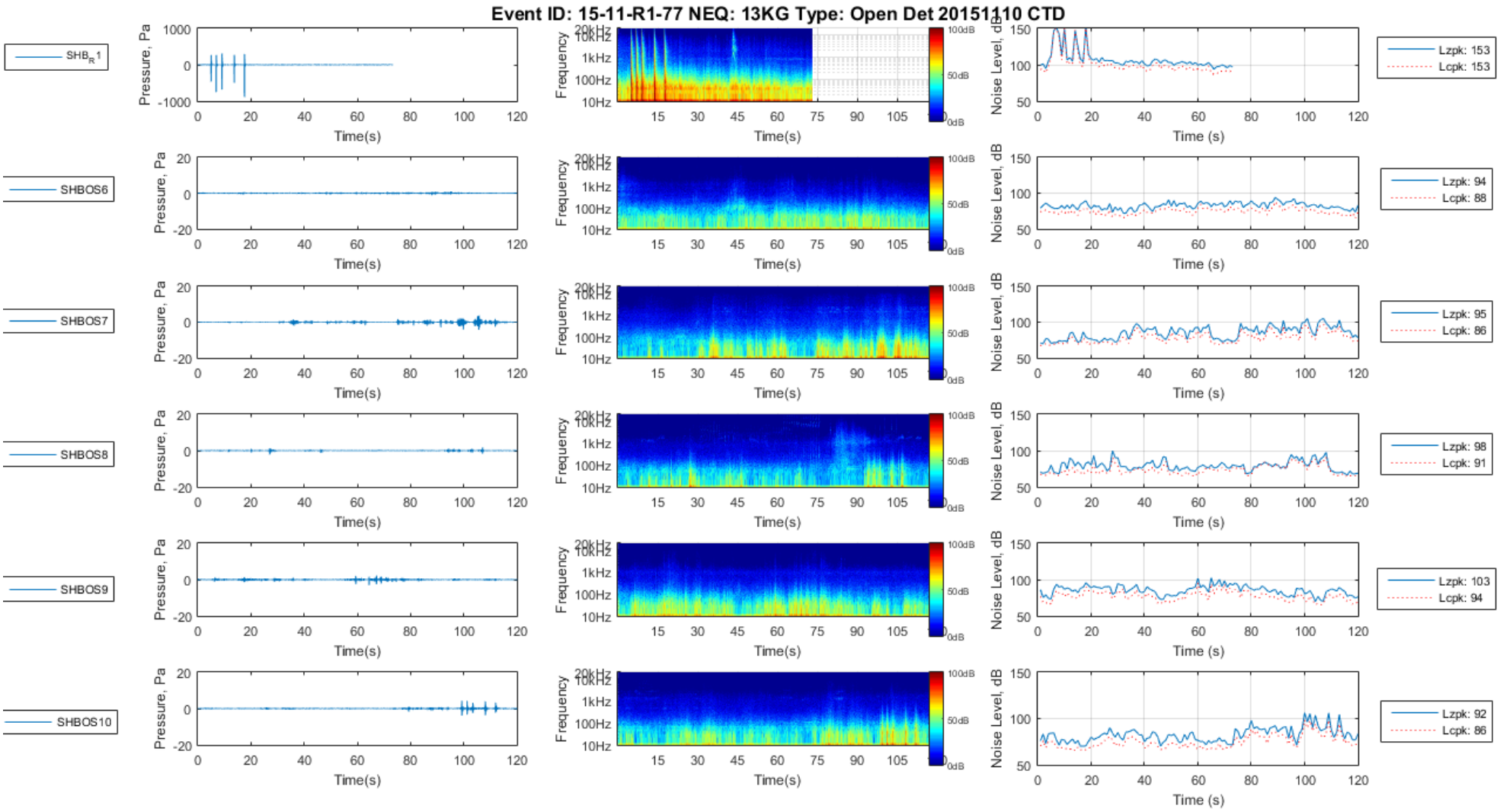


FIGURE 2.1684: SHB_OS 6 - 10 15-11-R1-77

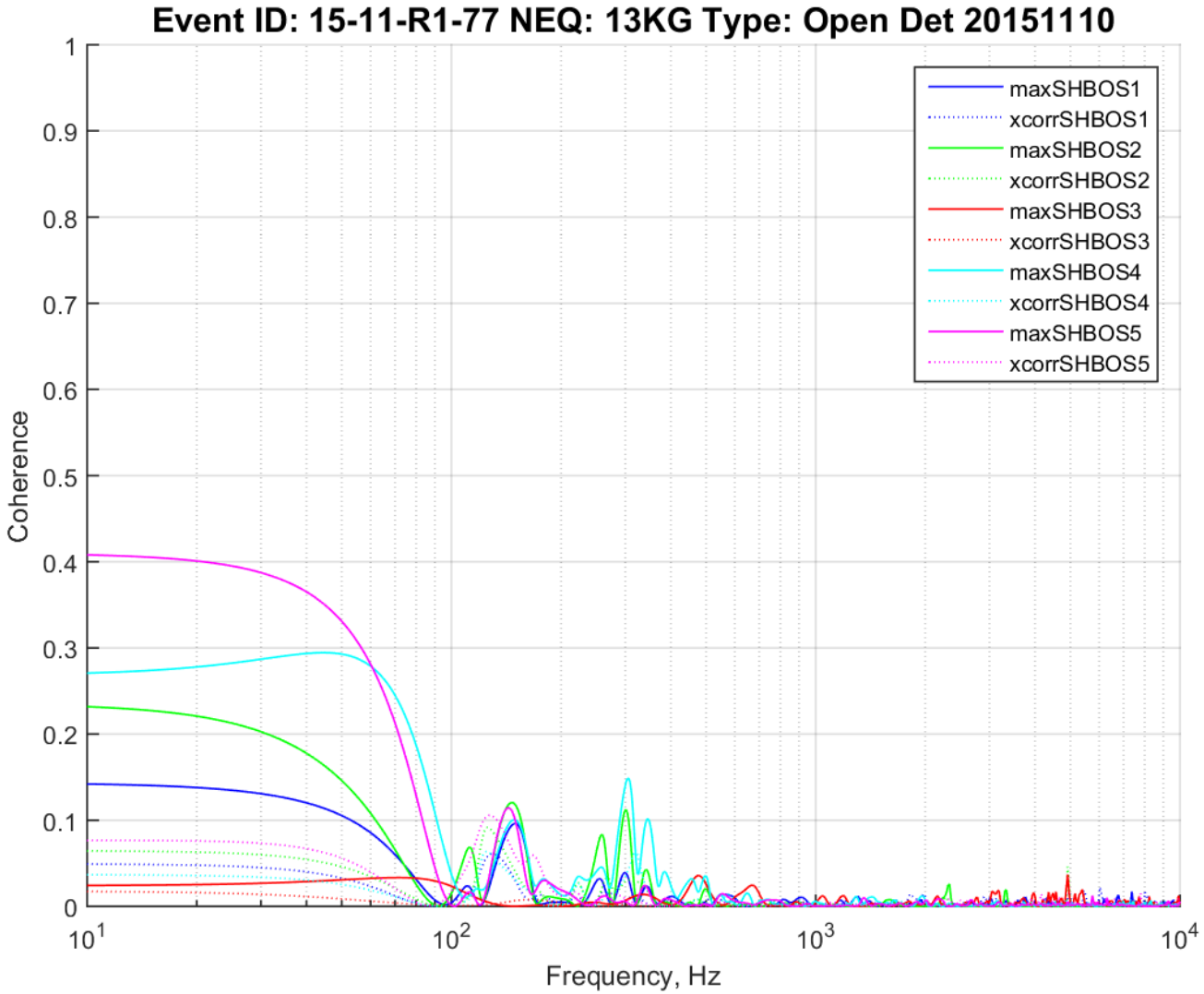


FIGURE 2.1685: COHERENCE SHB_OS 1 - 5 15-11-R1-77

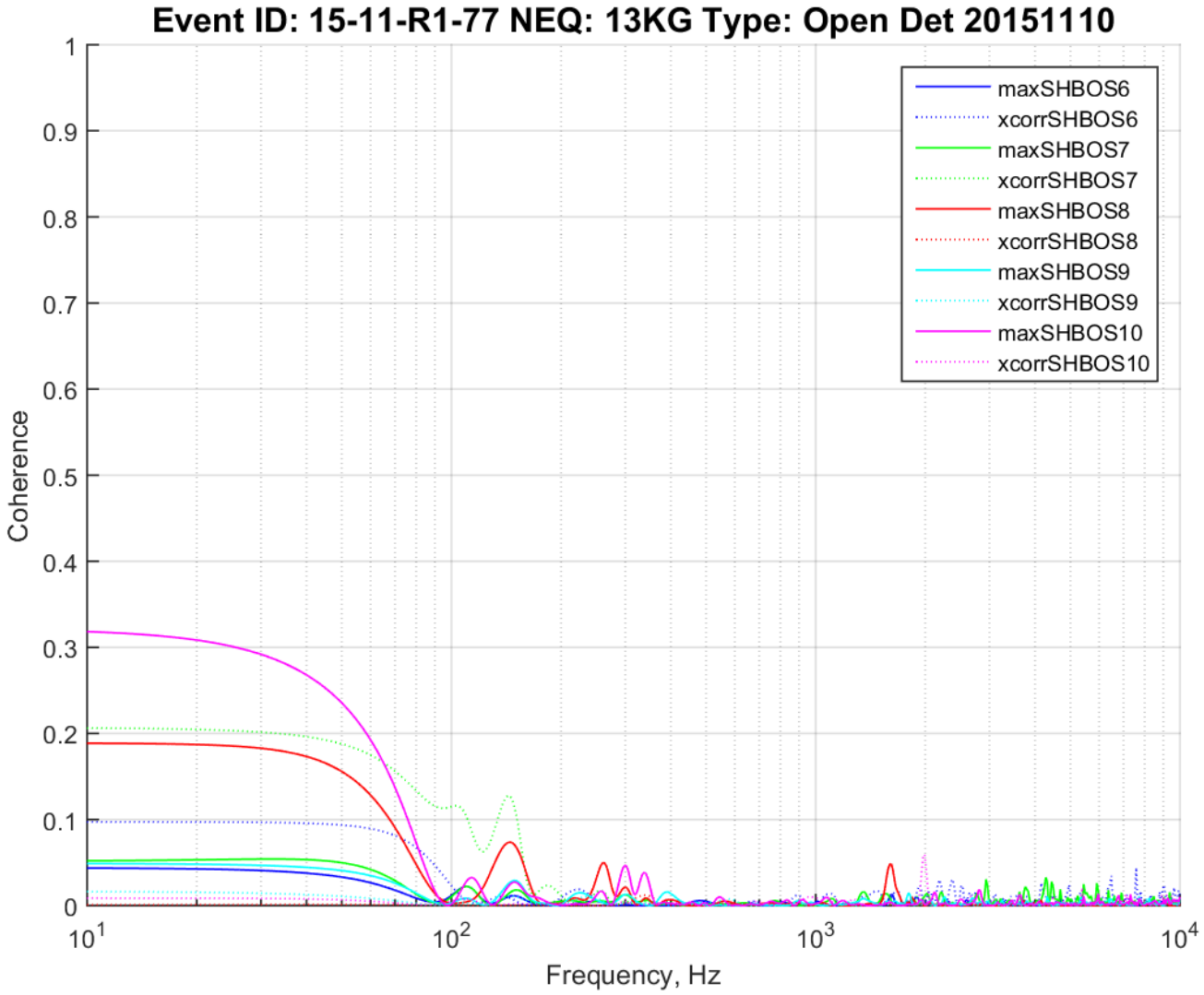


FIGURE 2.1686: COHERENCE SHB_OS 6 - 10 15-11-R1-77CTD

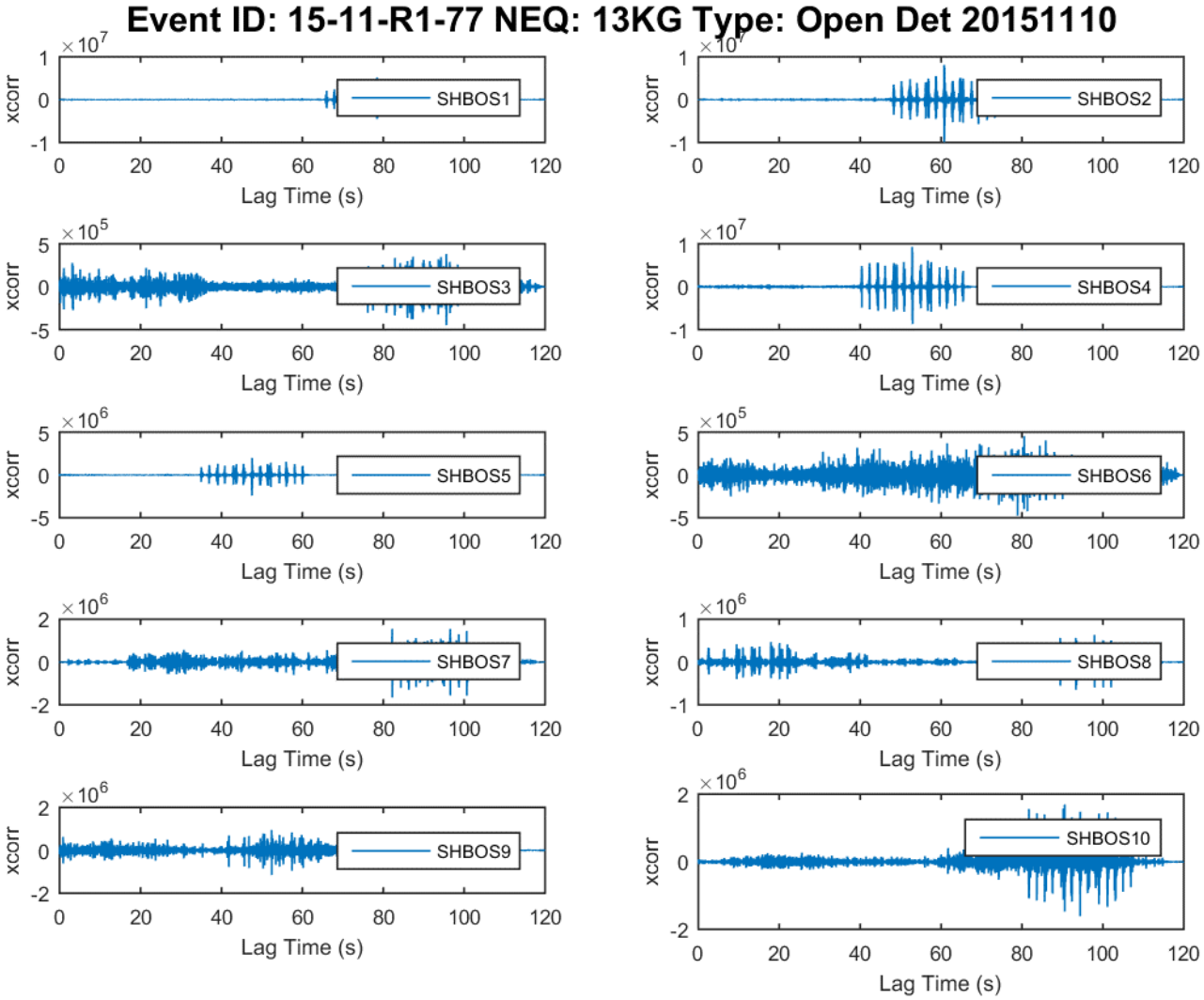


FIGURE 2.1687: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-77

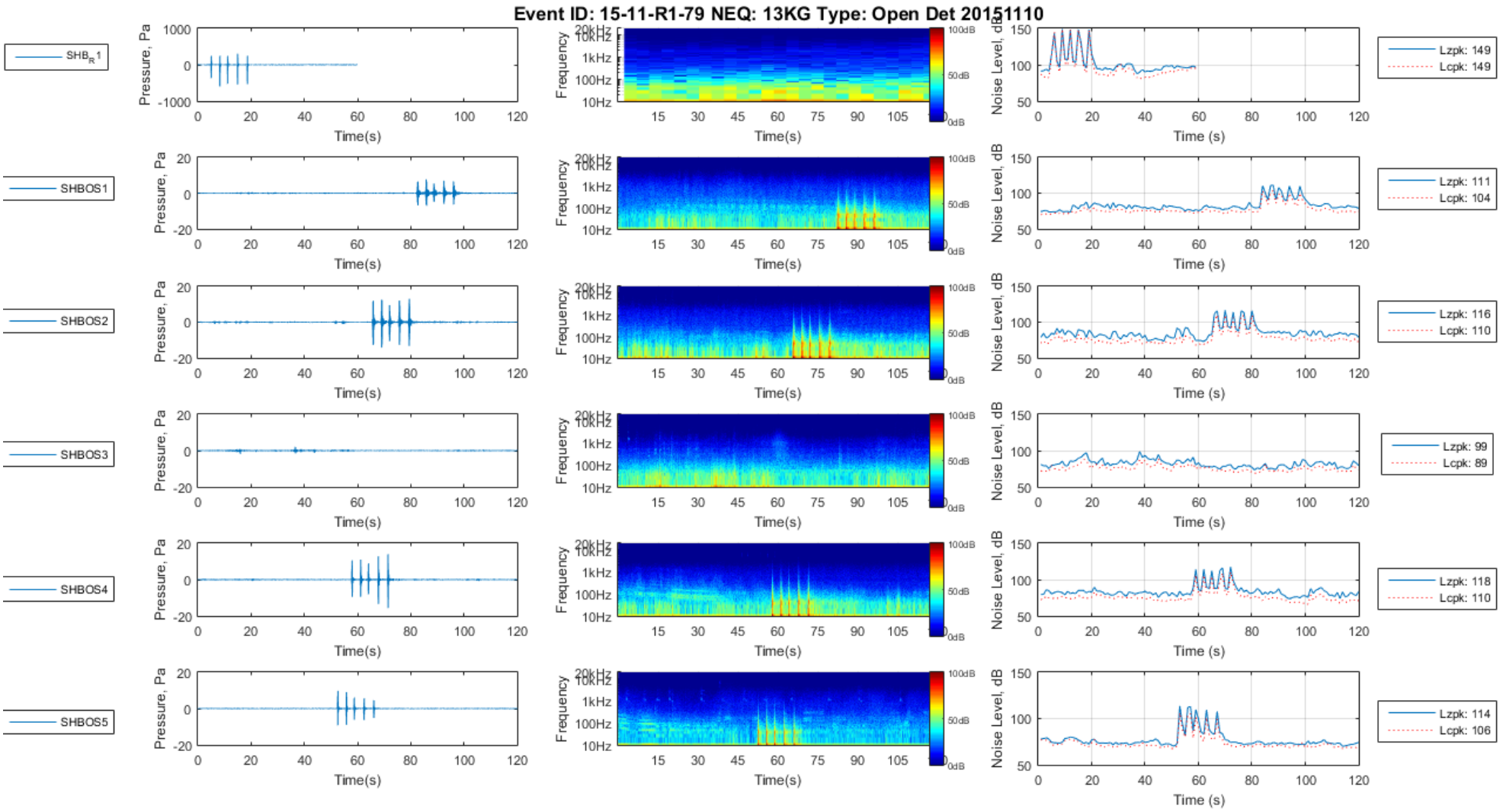


FIGURE 2.1688: SHB_OS 1 - 5 15-11-R1-79

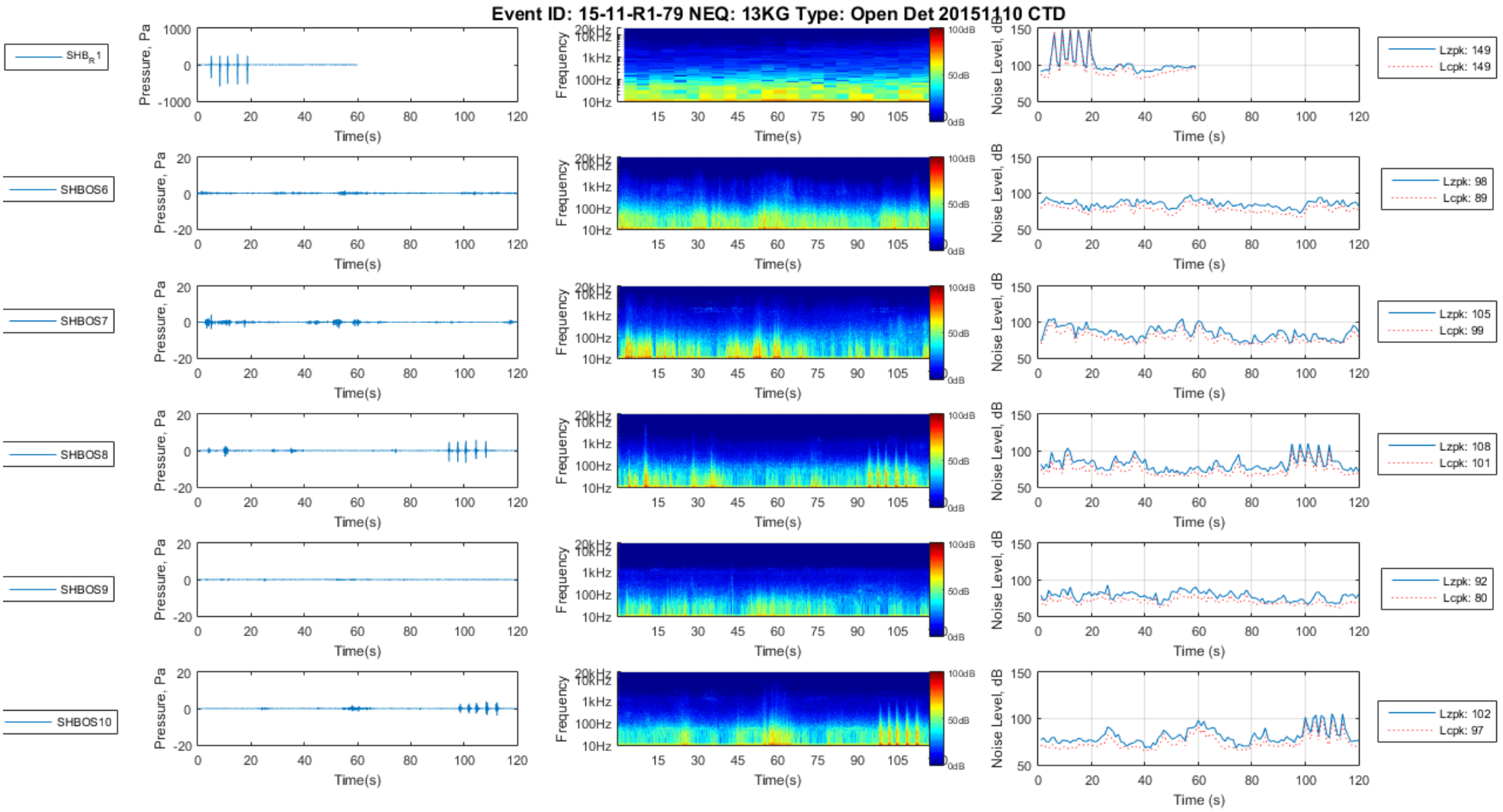


FIGURE 2.1689: SHB_OS 6 - 10 15-11-R1-79

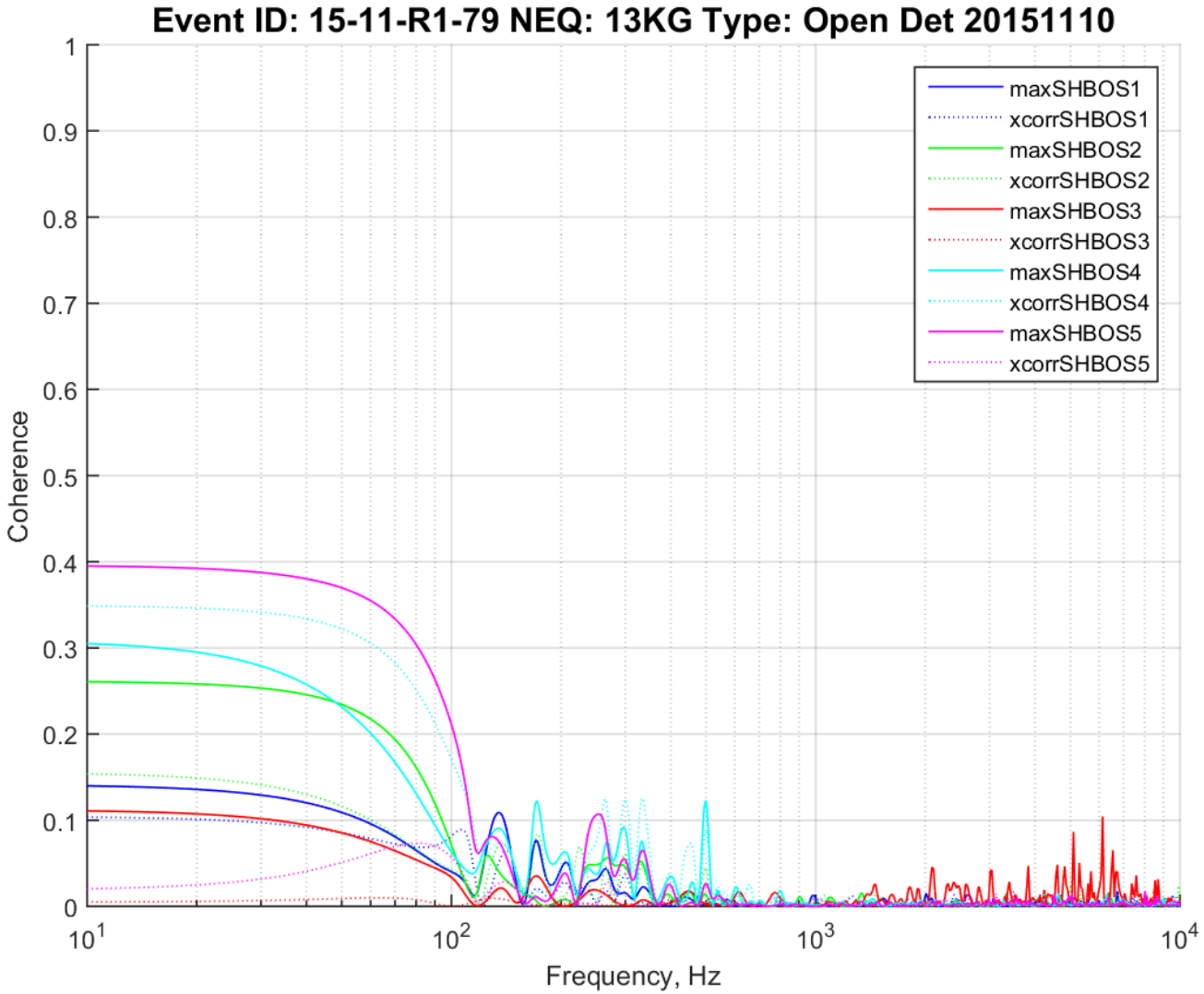


FIGURE 2.1690: COHERENCE SHB_OS 1 - 5 15-11-R1-79

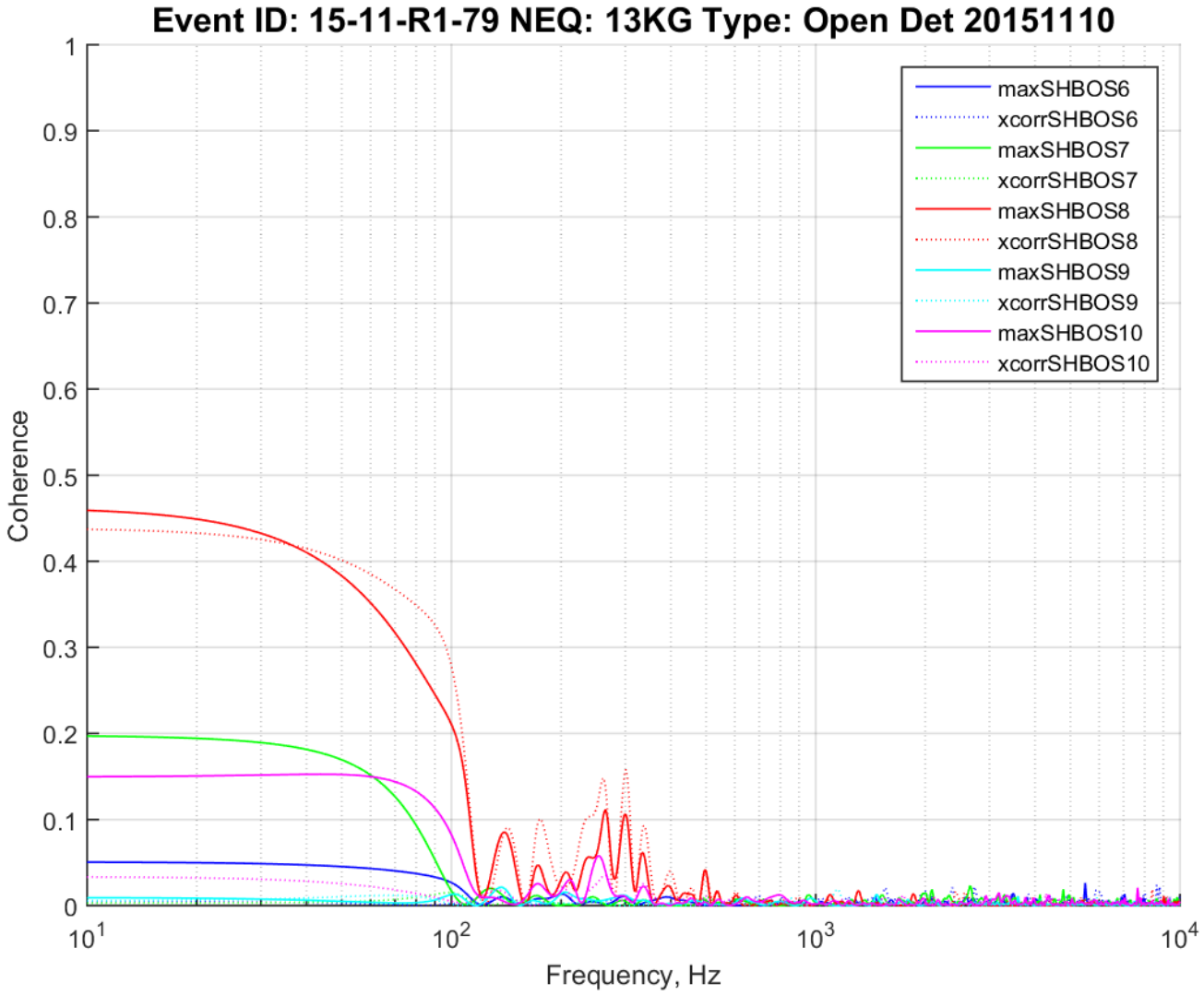


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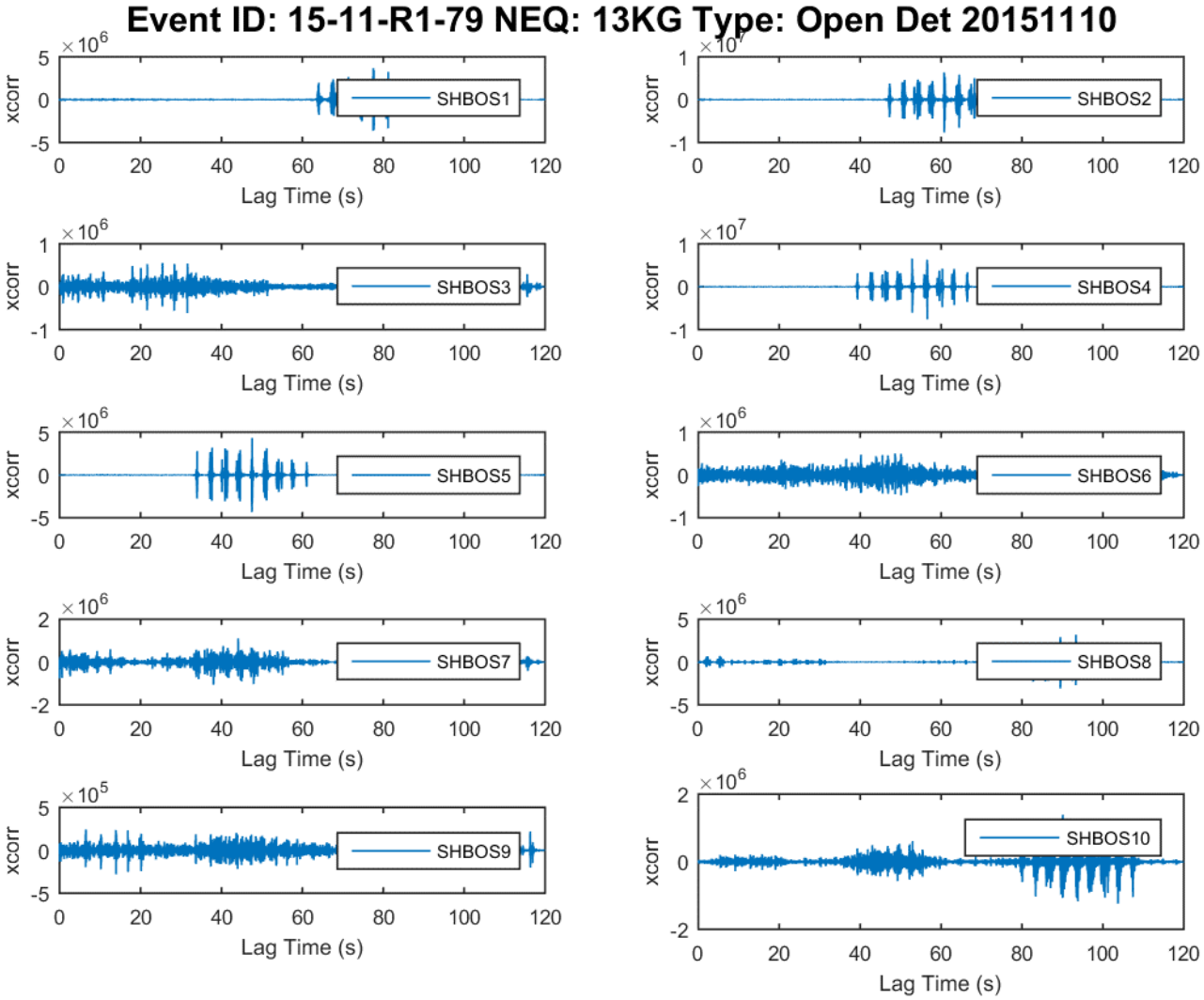


FIGURE 2.1692: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-79

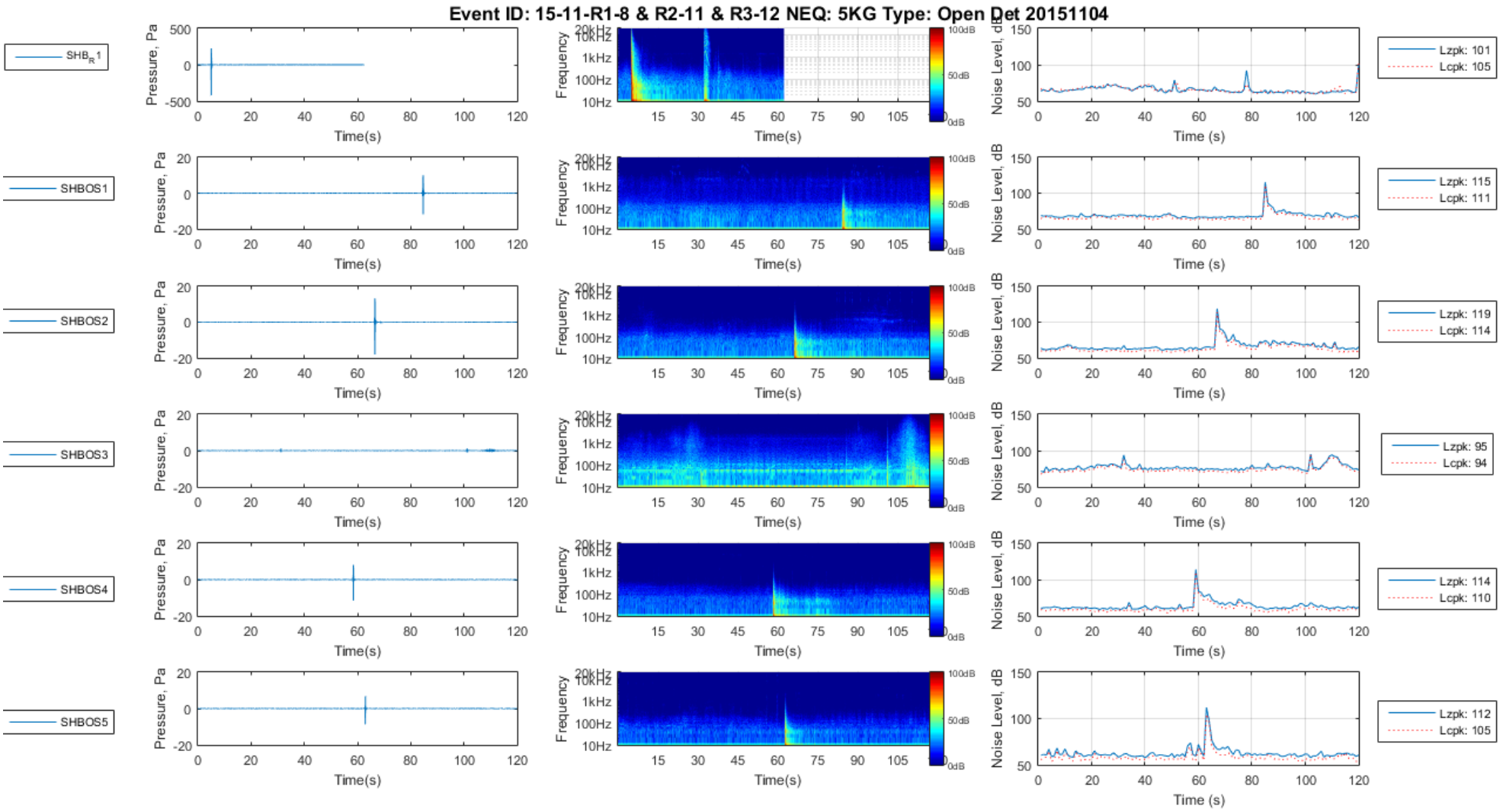


FIGURE 2.1693: SHB_OS 1 - 5 15-11-R1-8 & R2-11 & R3-12

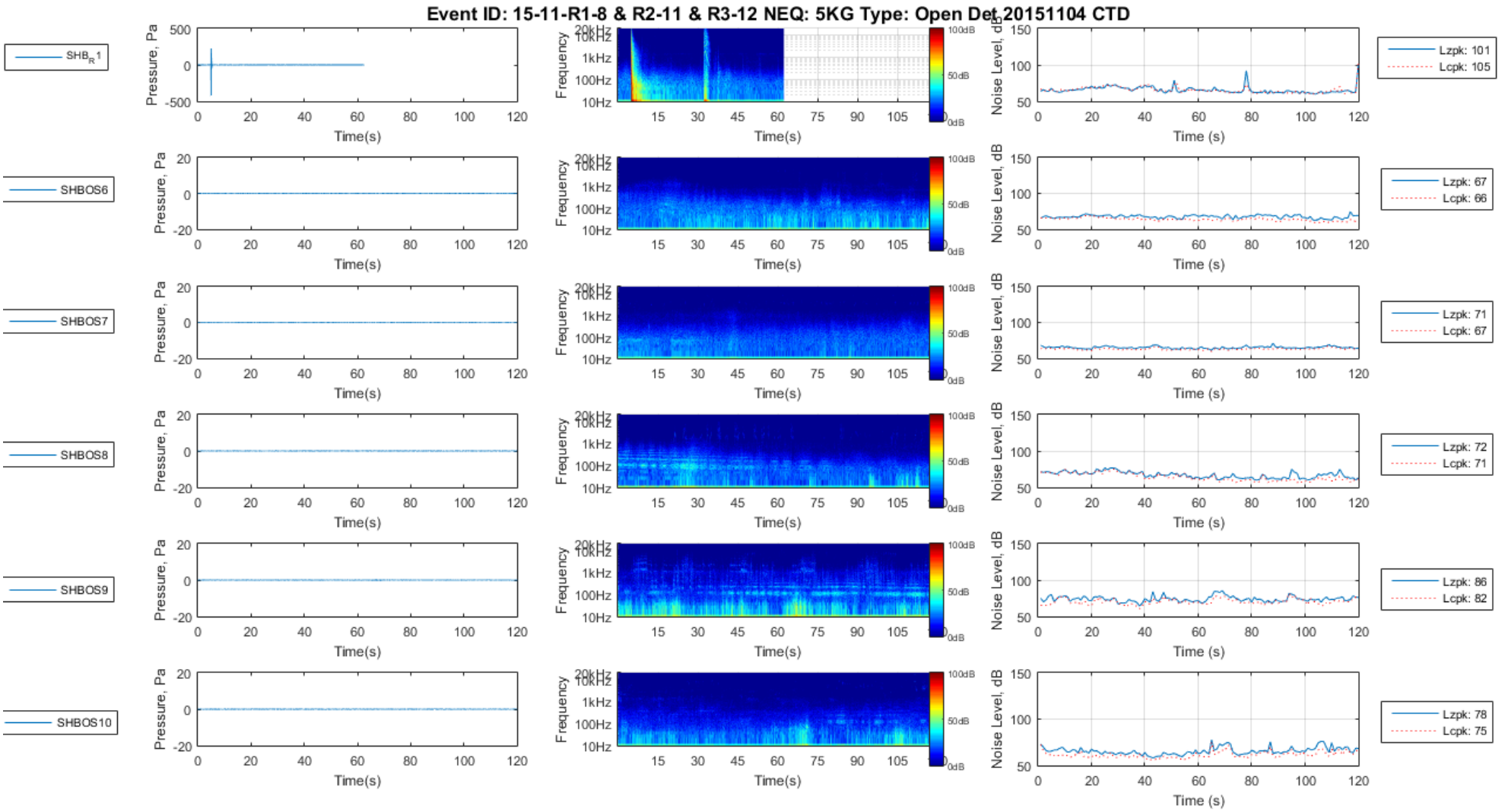


FIGURE 2.1694: SHB_OS 6 - 10 15-11-R1-8 & R2-11 & R3-12

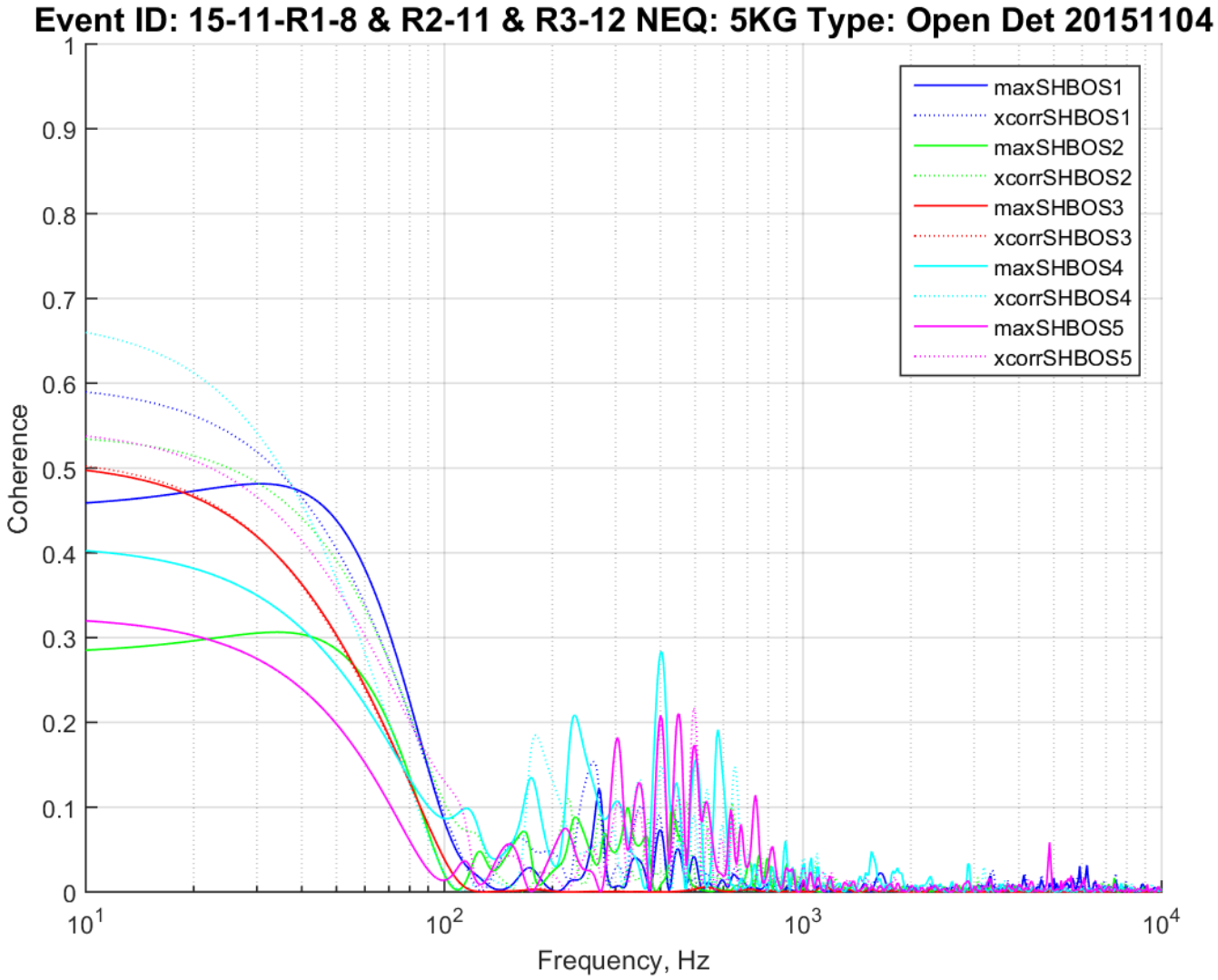


FIGURE 2.1695: COHERENCE SHB_OS 1 - 5 15-11-R1-8 & R2-11 & R3-12

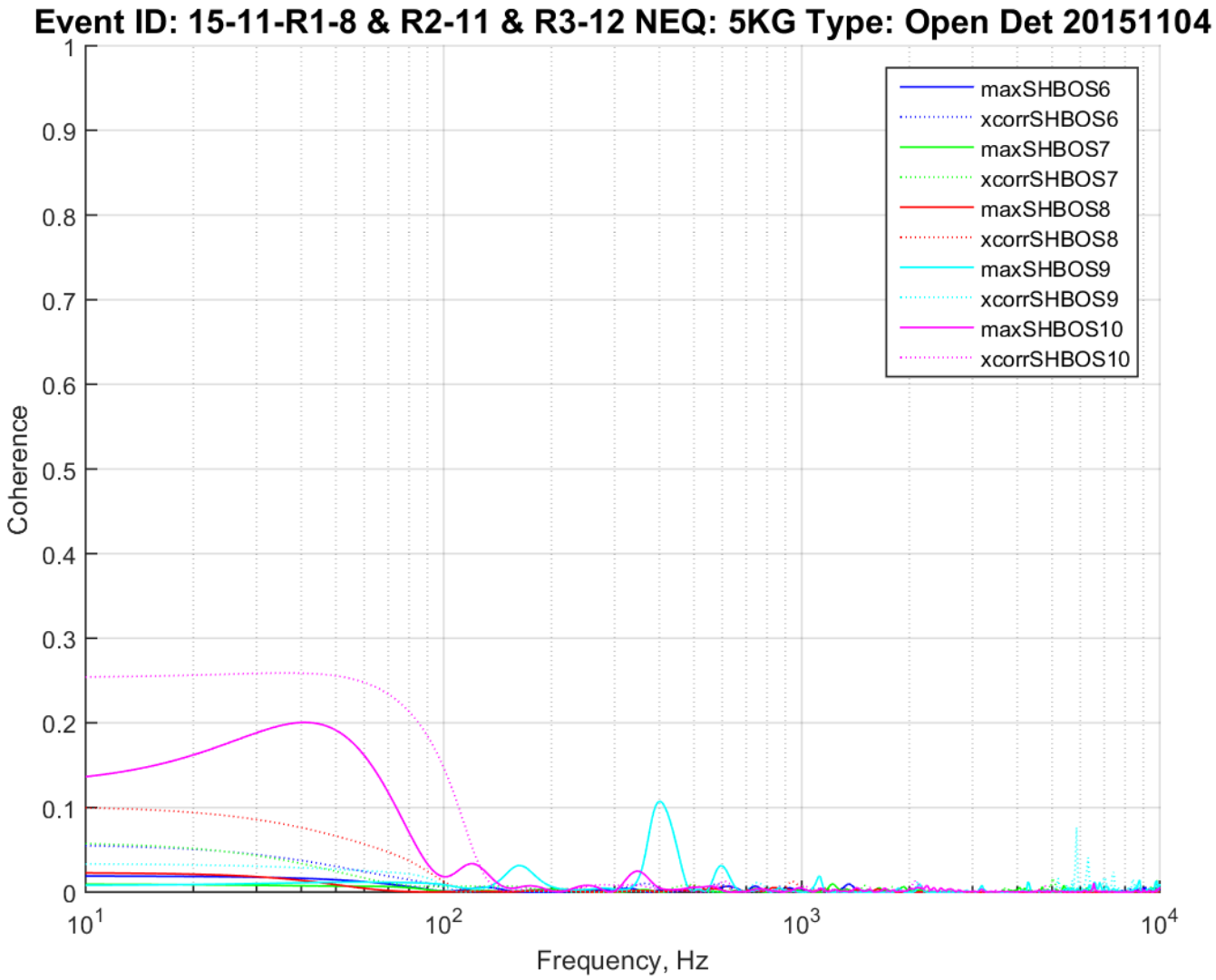


FIGURE 2.1696: COHERENCE SHB_OS 6 - 10 15-11-R1-8 & R2-11 & R3-12CTD

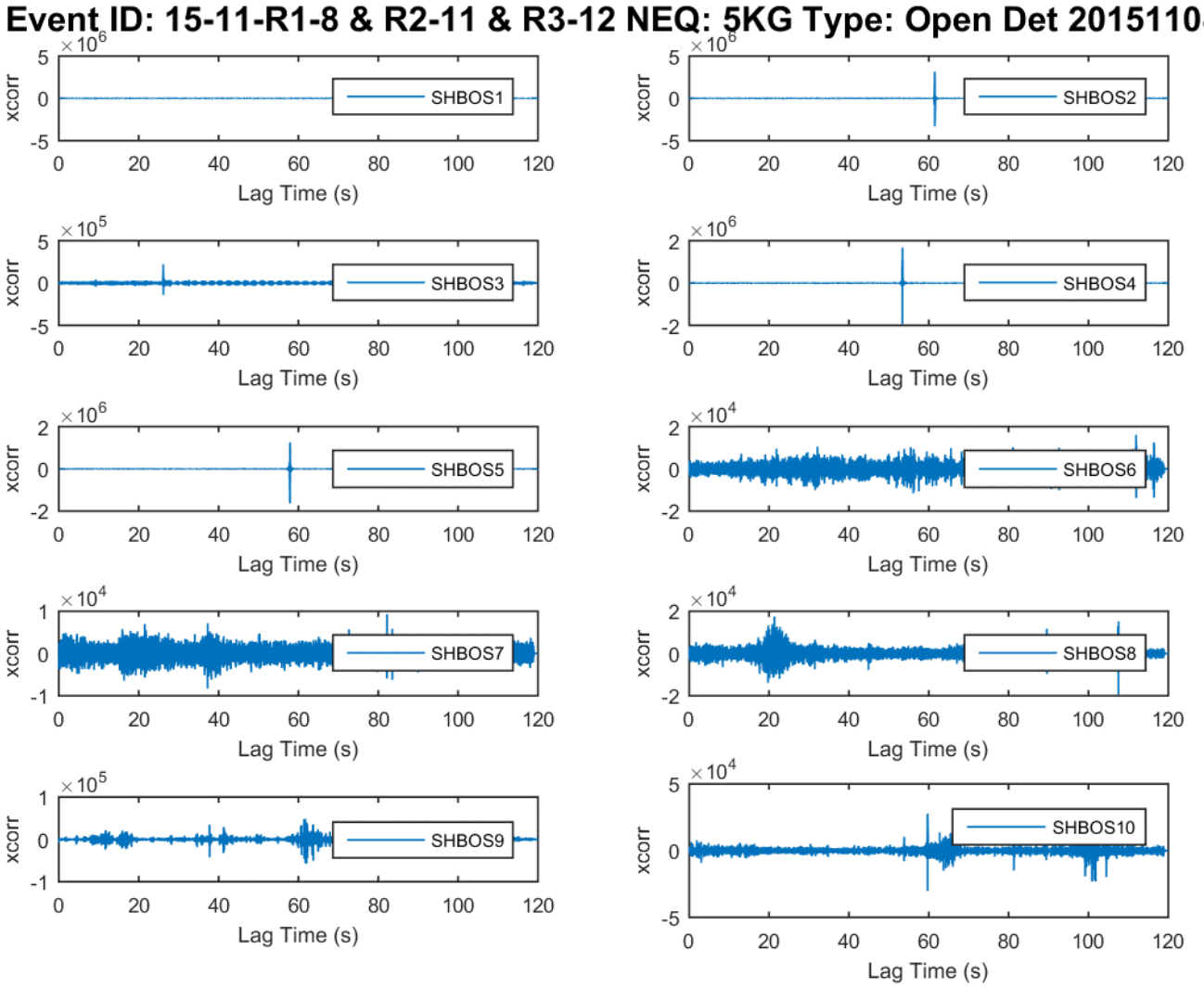


FIGURE 2.1697: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-8 & R2-11 & R3-12

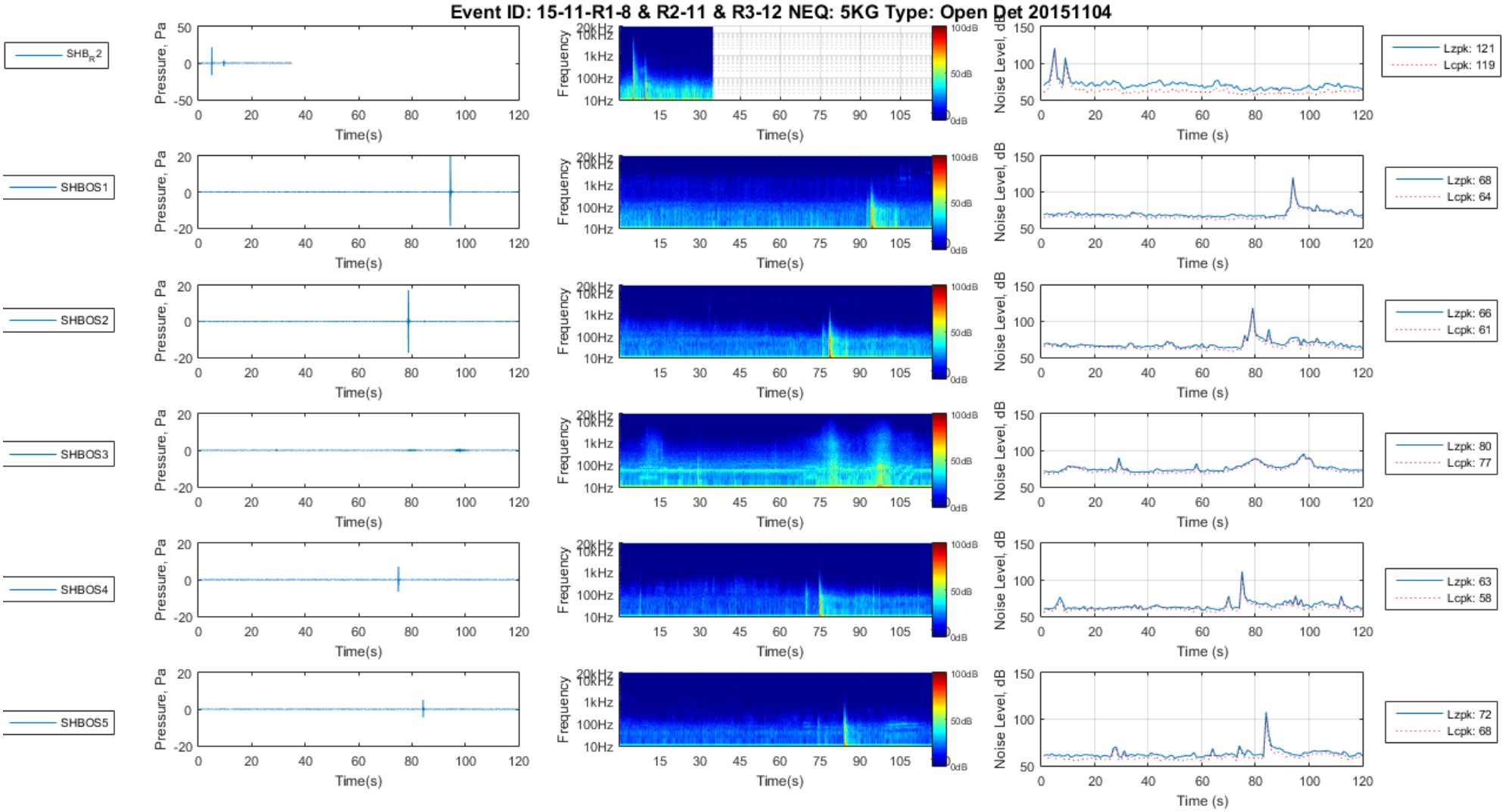


FIGURE 2.1698: SHB_OS 1 - 5 15-11-R1-8 & R2-11 & R3-12

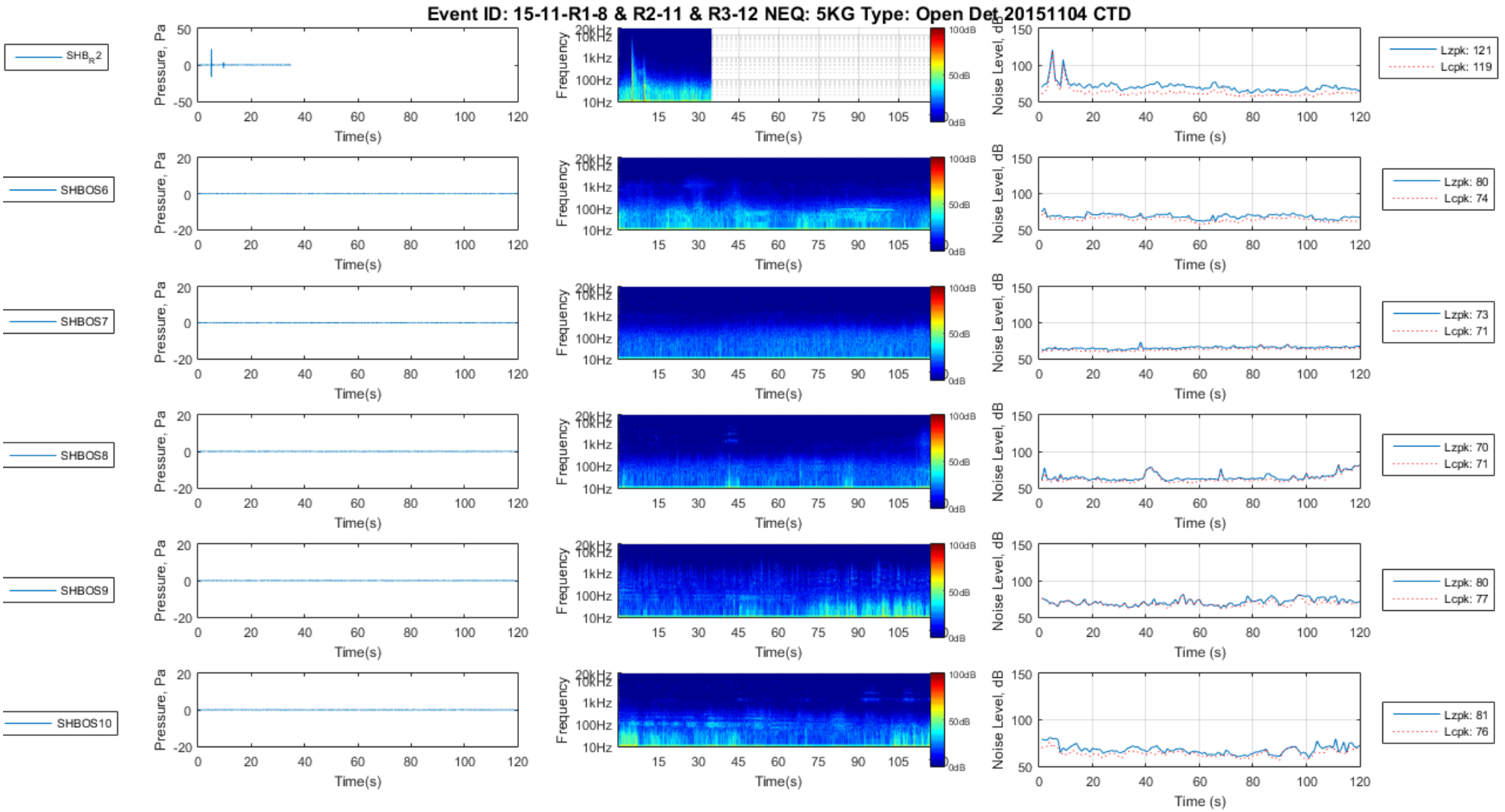


FIGURE 2.1699: SHB_OS 6 - 10 15-11-R1-8 & R2-11 & R3-12

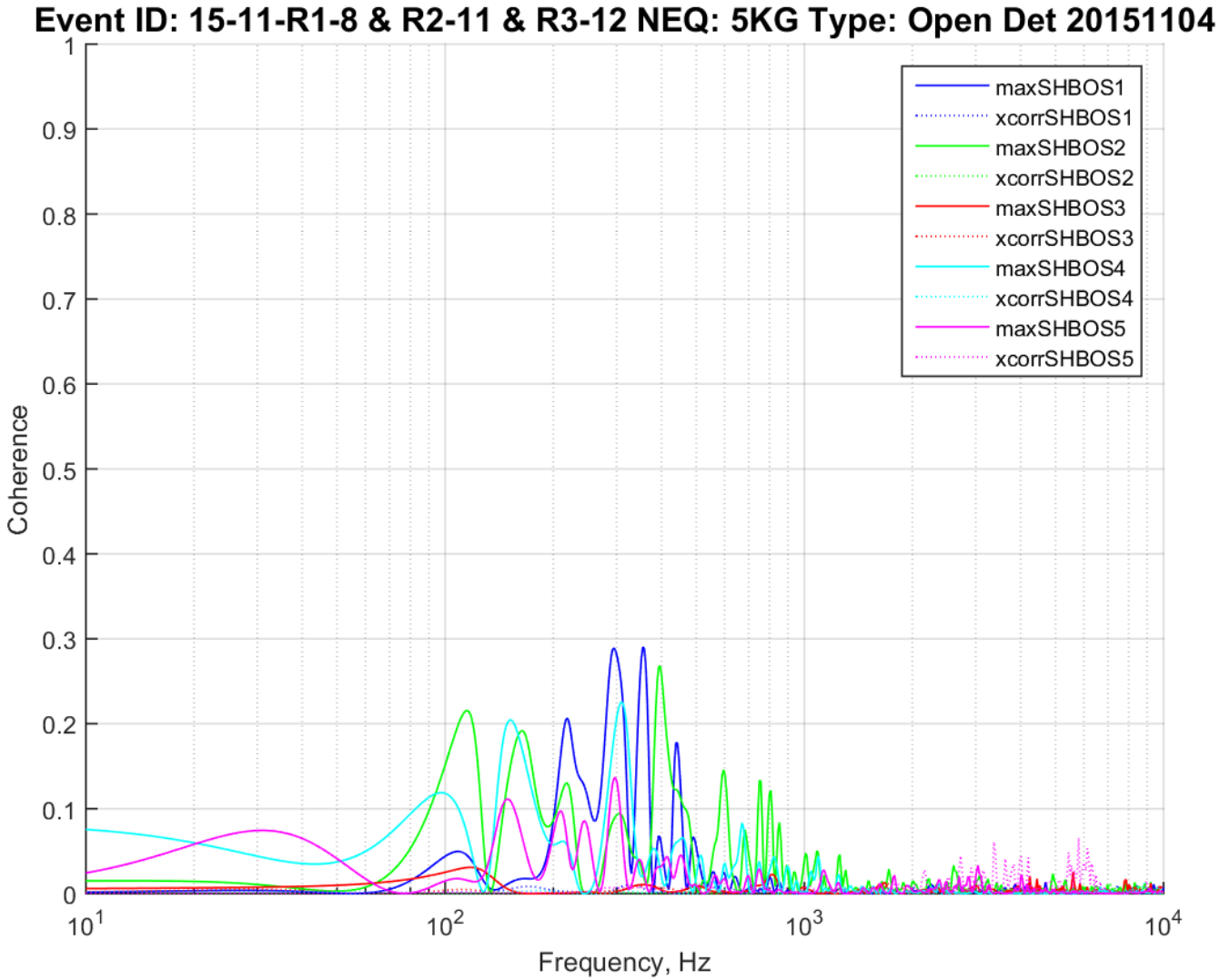


FIGURE 2.1700: COHERENCE SHB_OS 1 - 5 15-11-R1-8 & R2-11 & R3-12

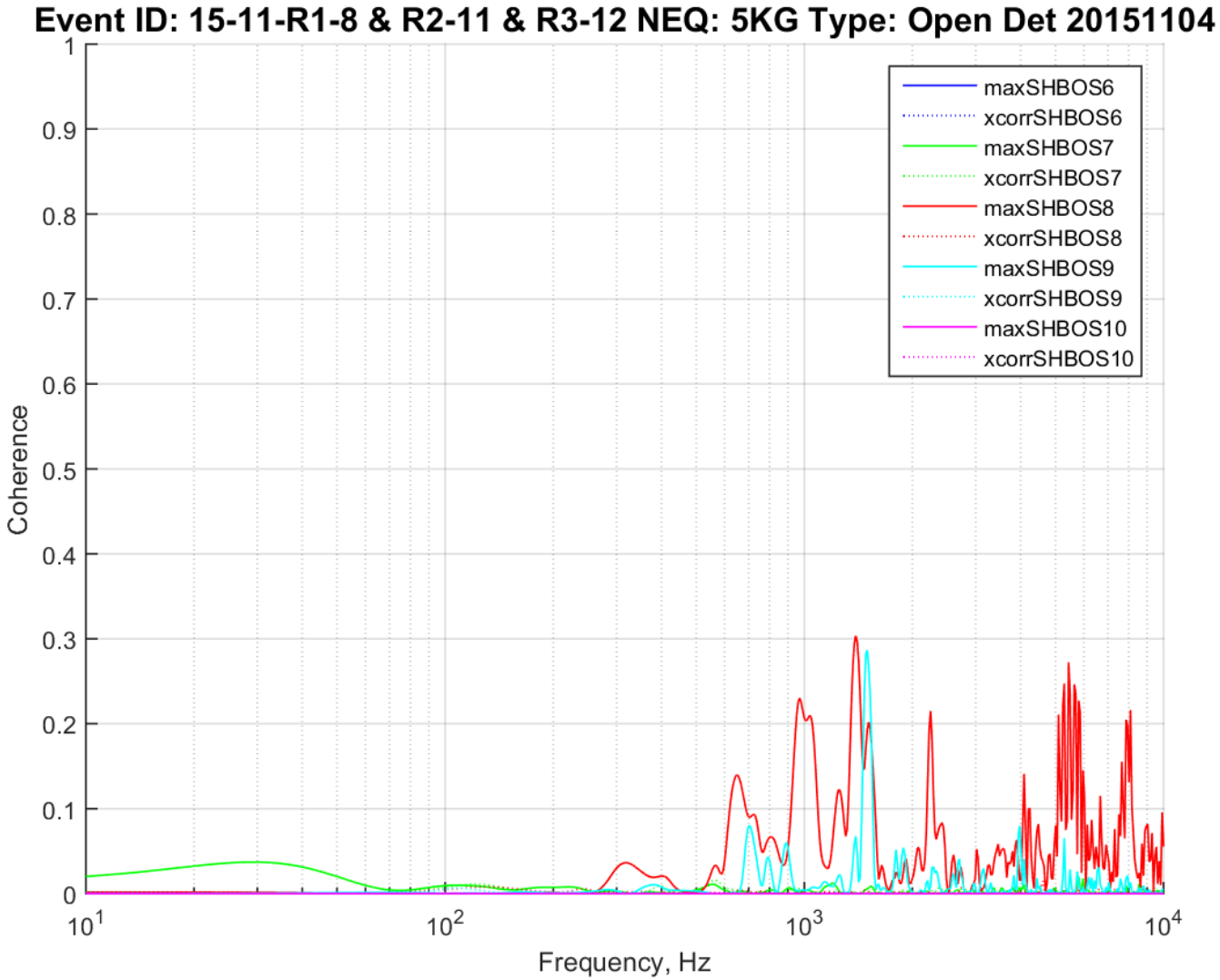


FIGURE 2.1701: COHERENCE SHB_OS 6 - 10 15-11-R1-8 & R2-11 & R3-12CTD

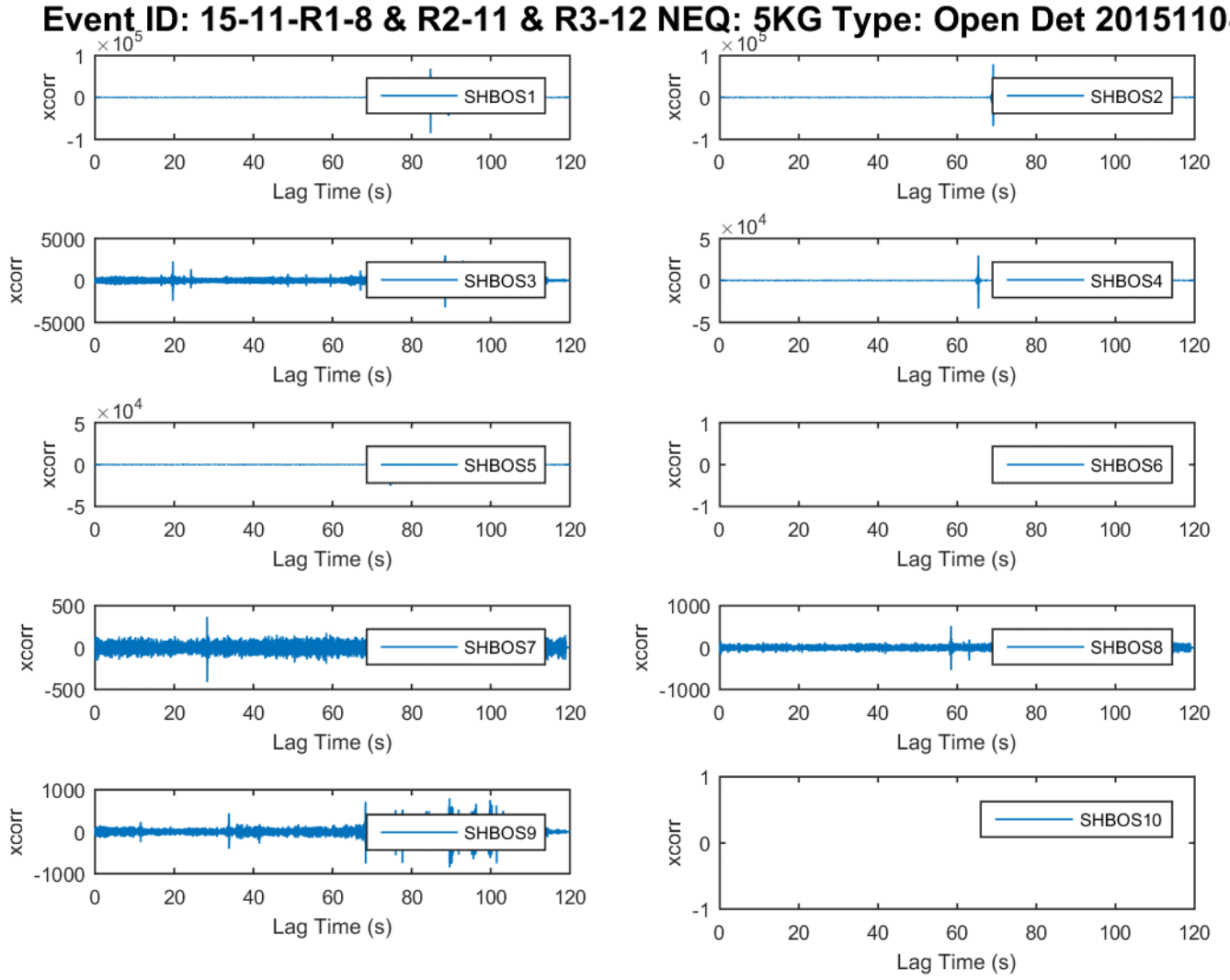


FIGURE 2.1702: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-8 & R2-11 & R3-12

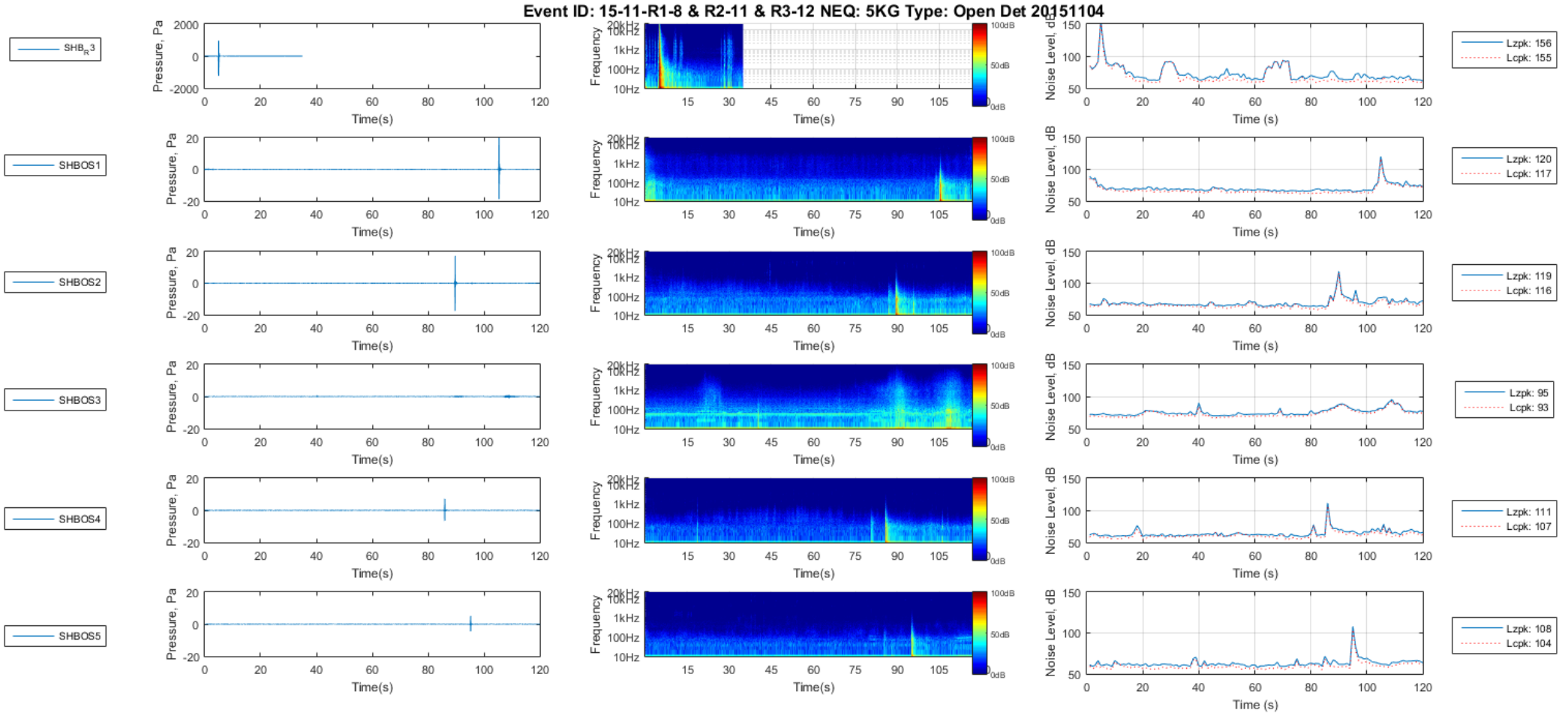


FIGURE 2.1703: SHB_OS 1 - 5 15-11-R1-8 & R2-11 & R3-12

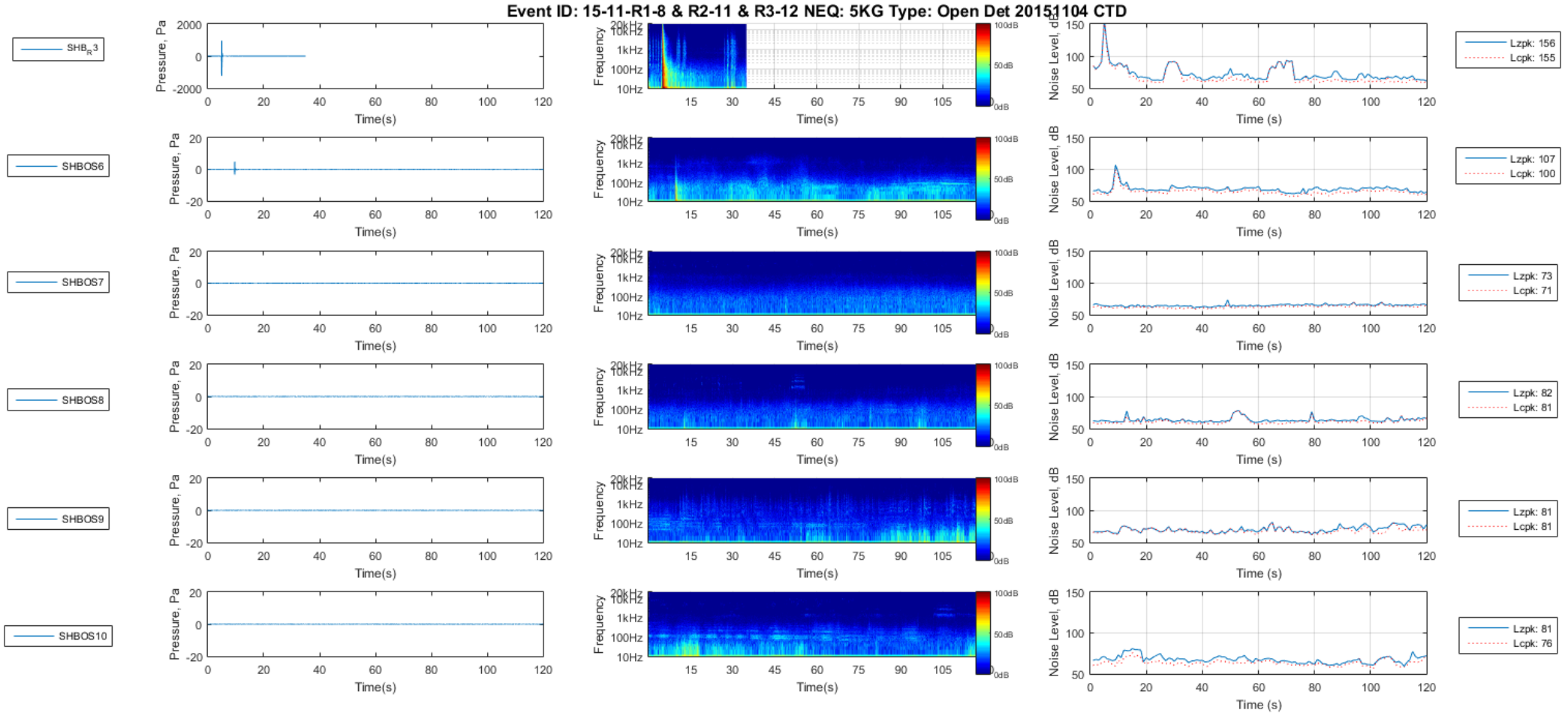


FIGURE 2.1704: SHB_OS 6 - 10 15-11-R1-8 & R2-11 & R3-12

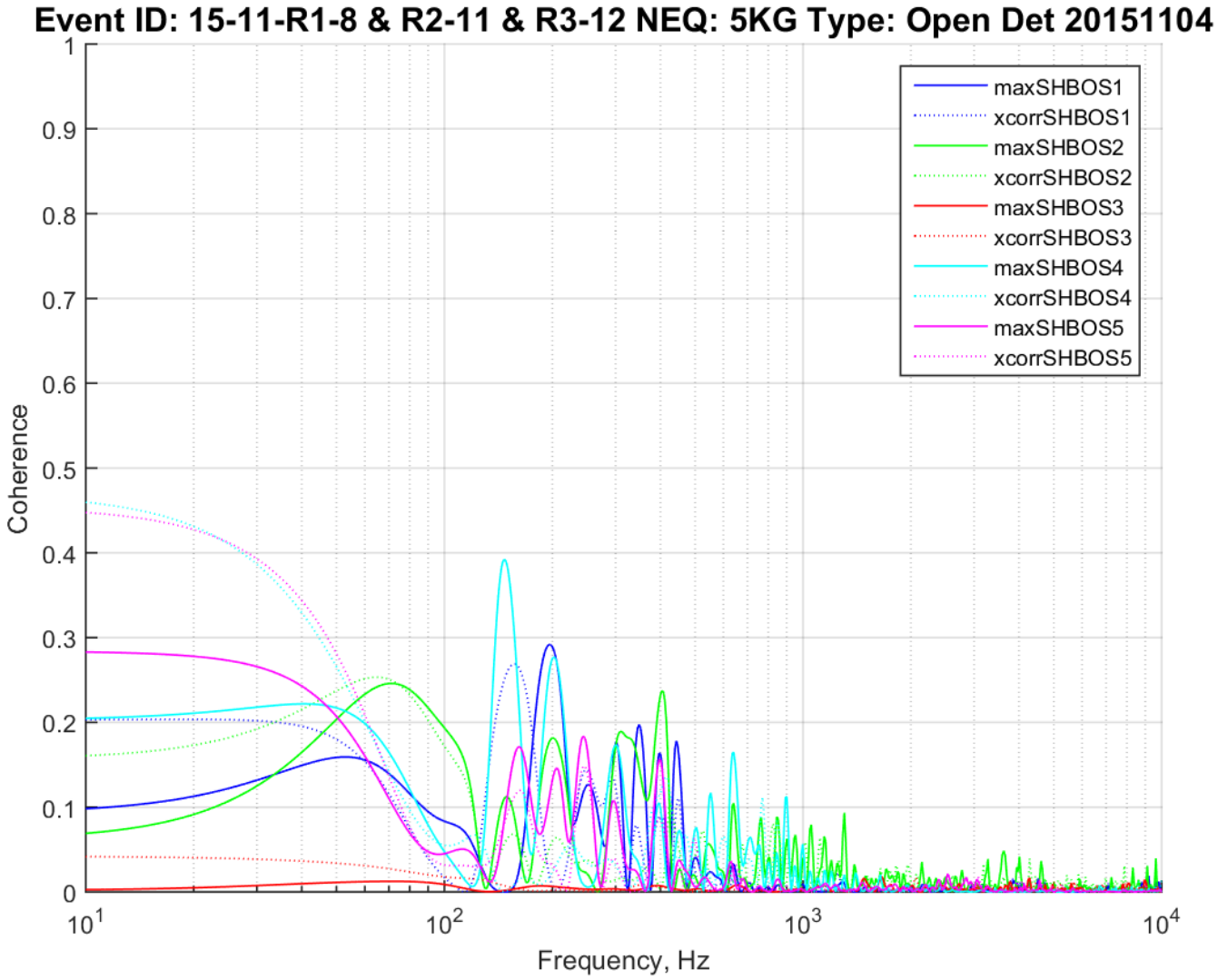


FIGURE 2.1705: COHERENCE SHB_OS 1 - 5 15-11-R1-8 & R2-11 & R3-12

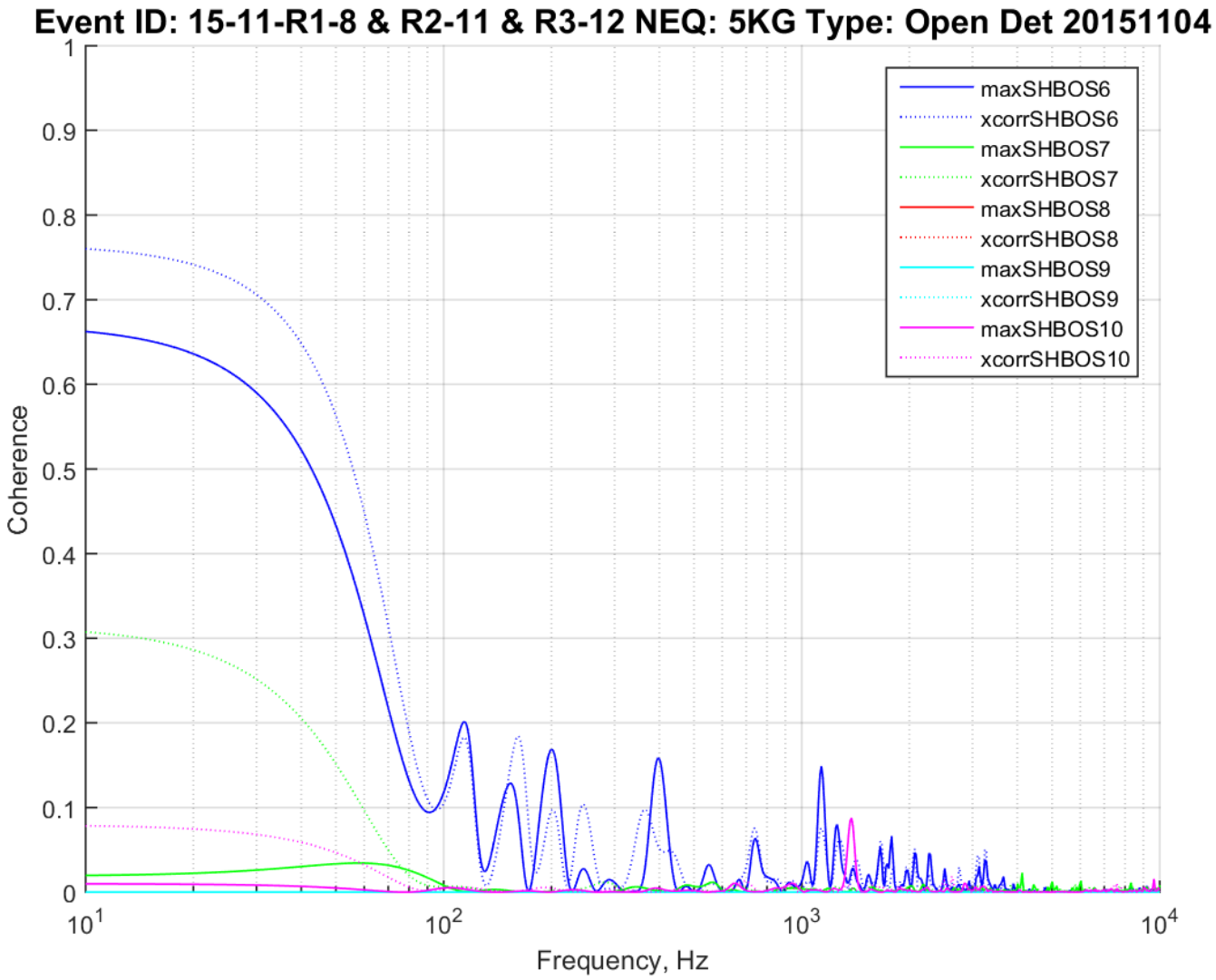


FIGURE 2.1706: COHERENCE SHB_OS 6 - 10 15-11-R1-8 & R2-11 & R3-12CTD

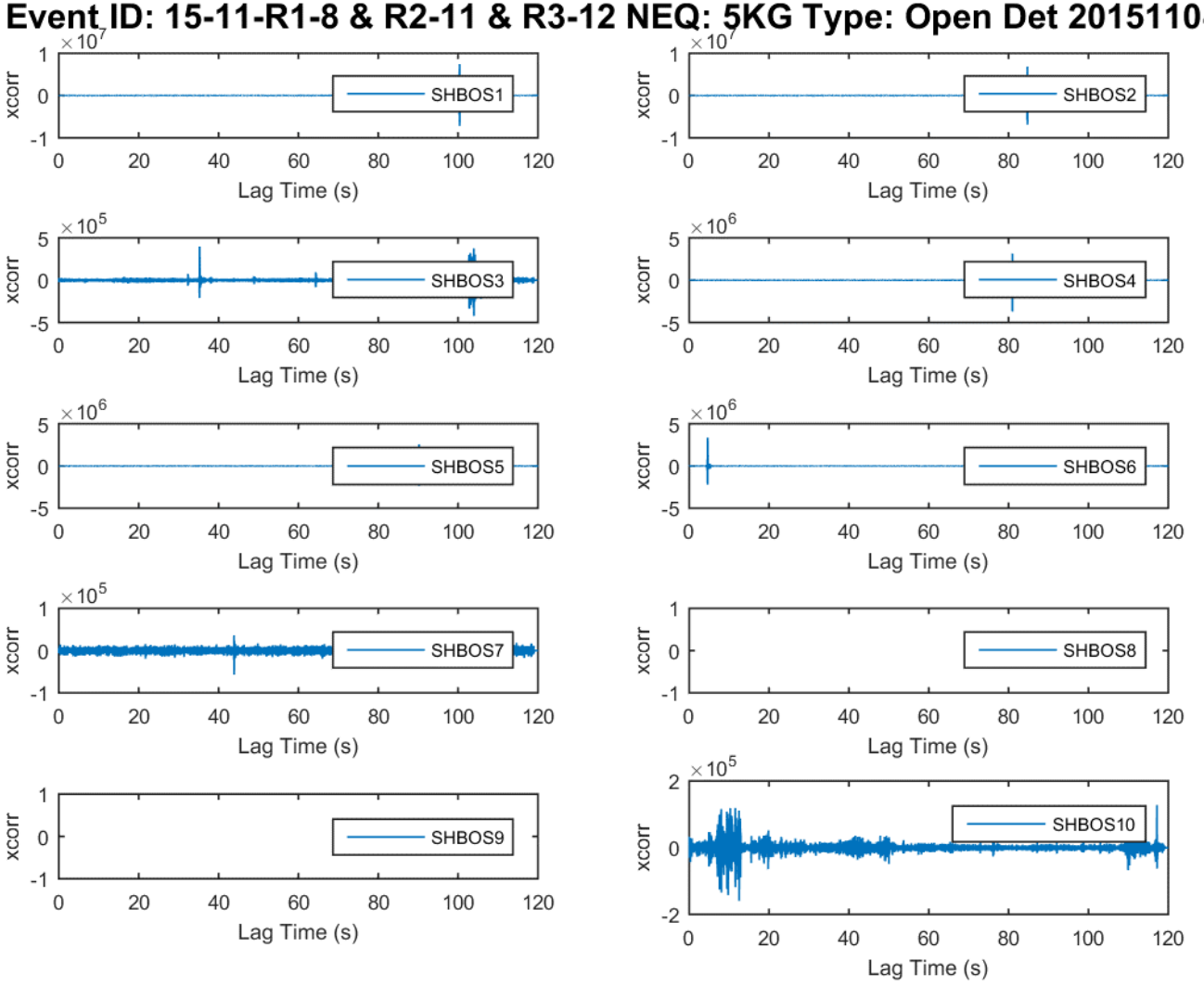


FIGURE 2.1707: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-8 & R2-11 & R3-12

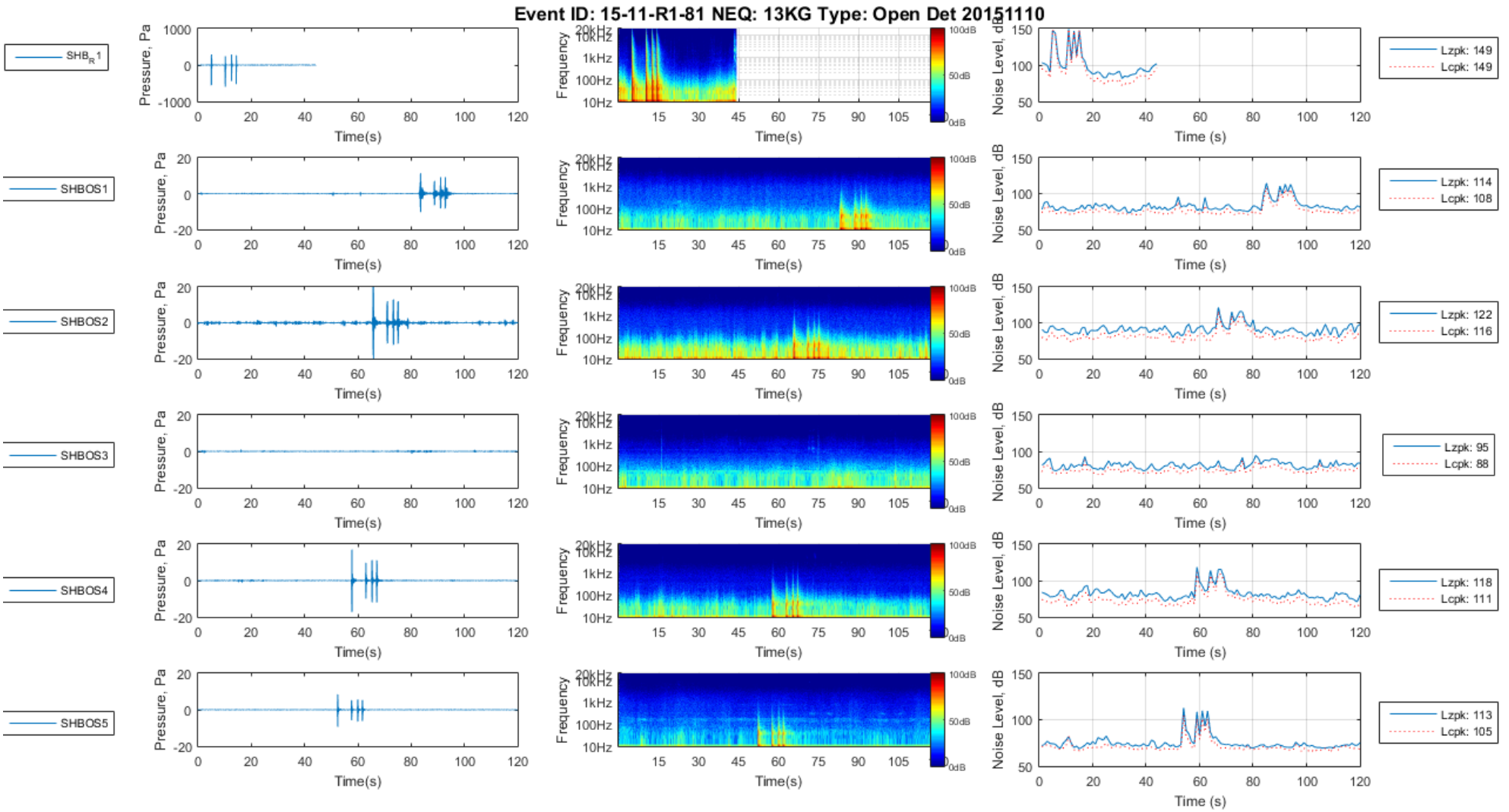


FIGURE 2.1708: SHB_OS 1 - 5 15-11-R1-81

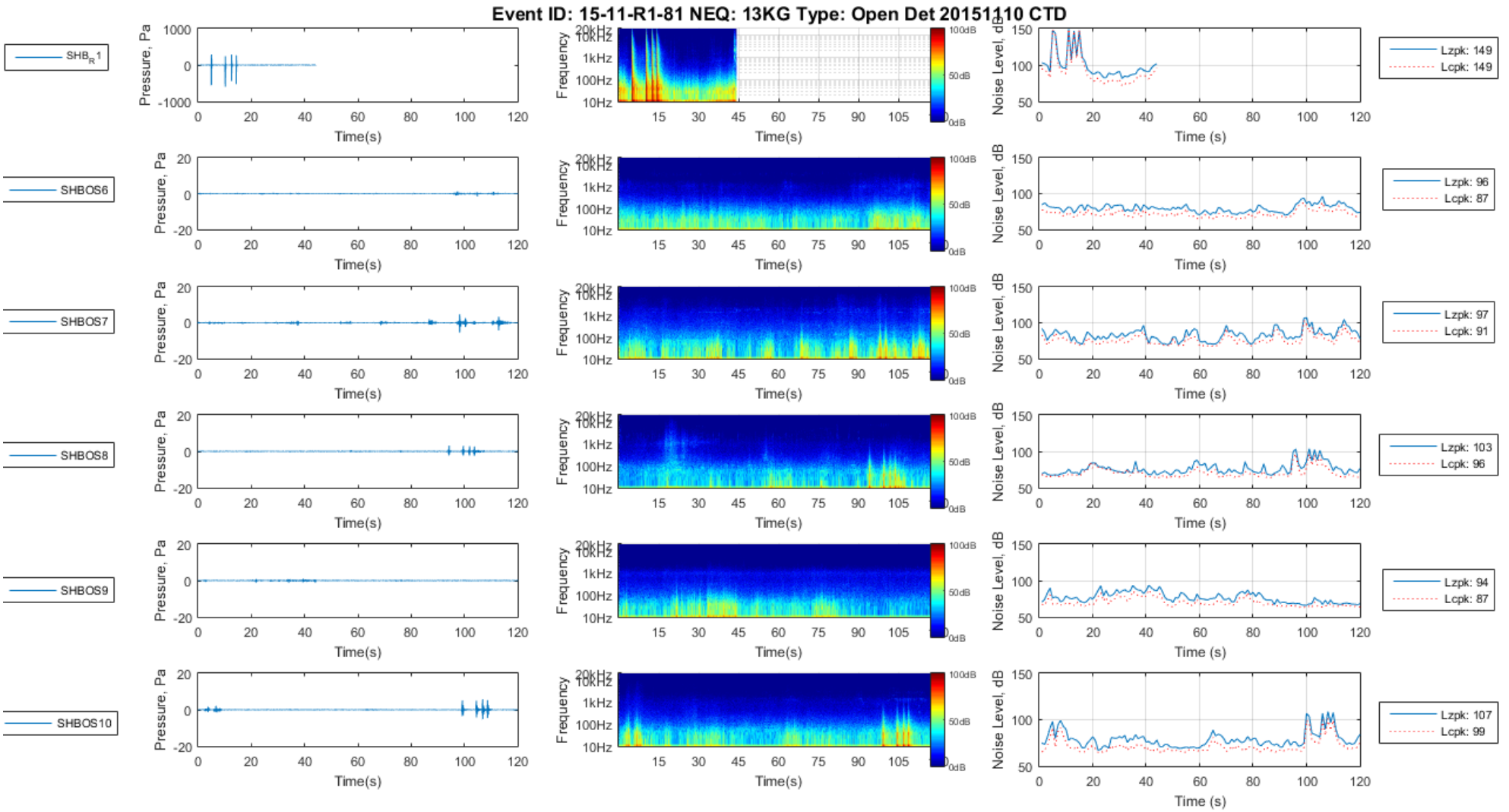


FIGURE 2.1709: SHB_OS 6 - 10 15-11-R1-81

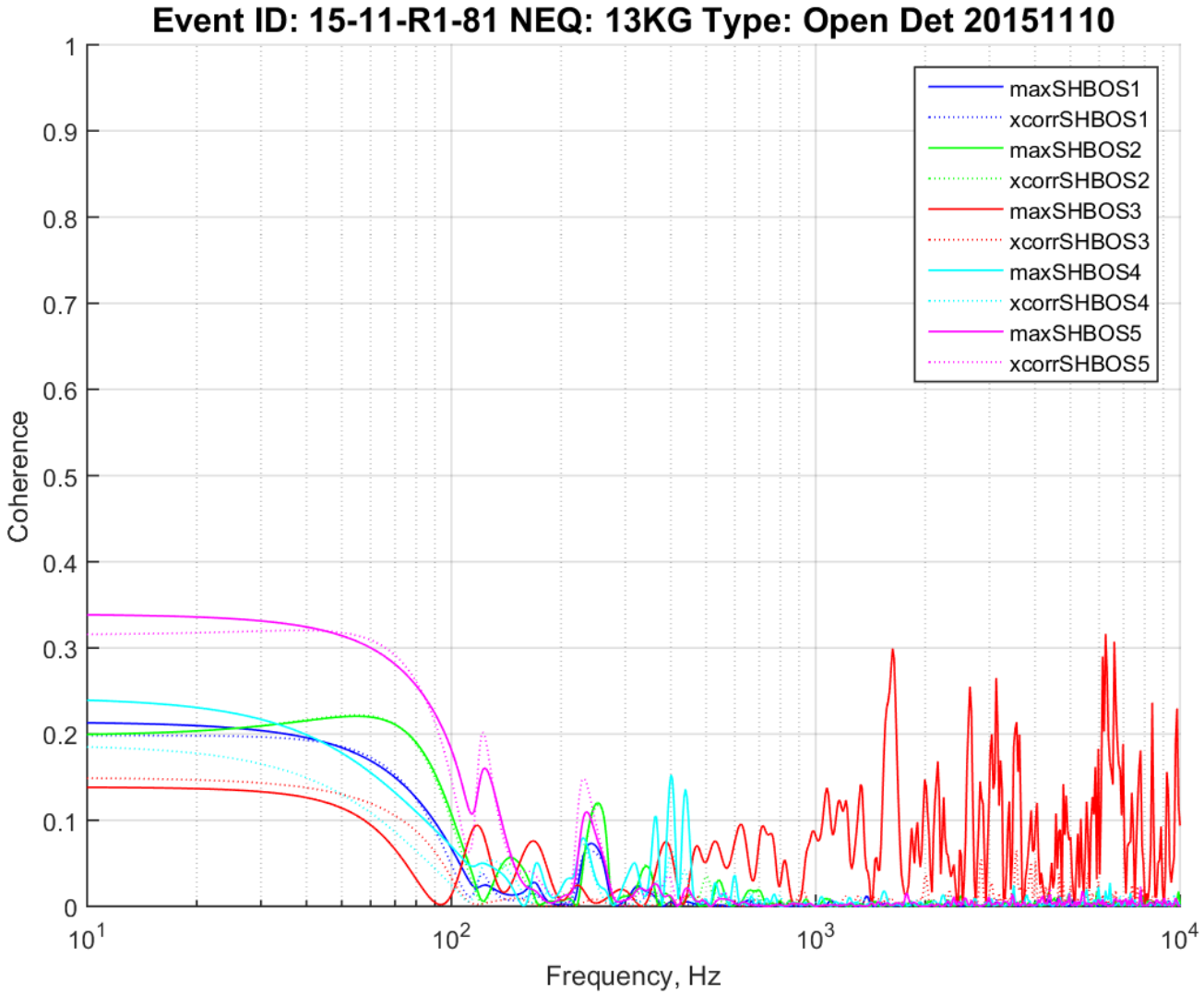


FIGURE 2.1710: COHERENCE SHB_OS 1 - 5 15-11-R1-81

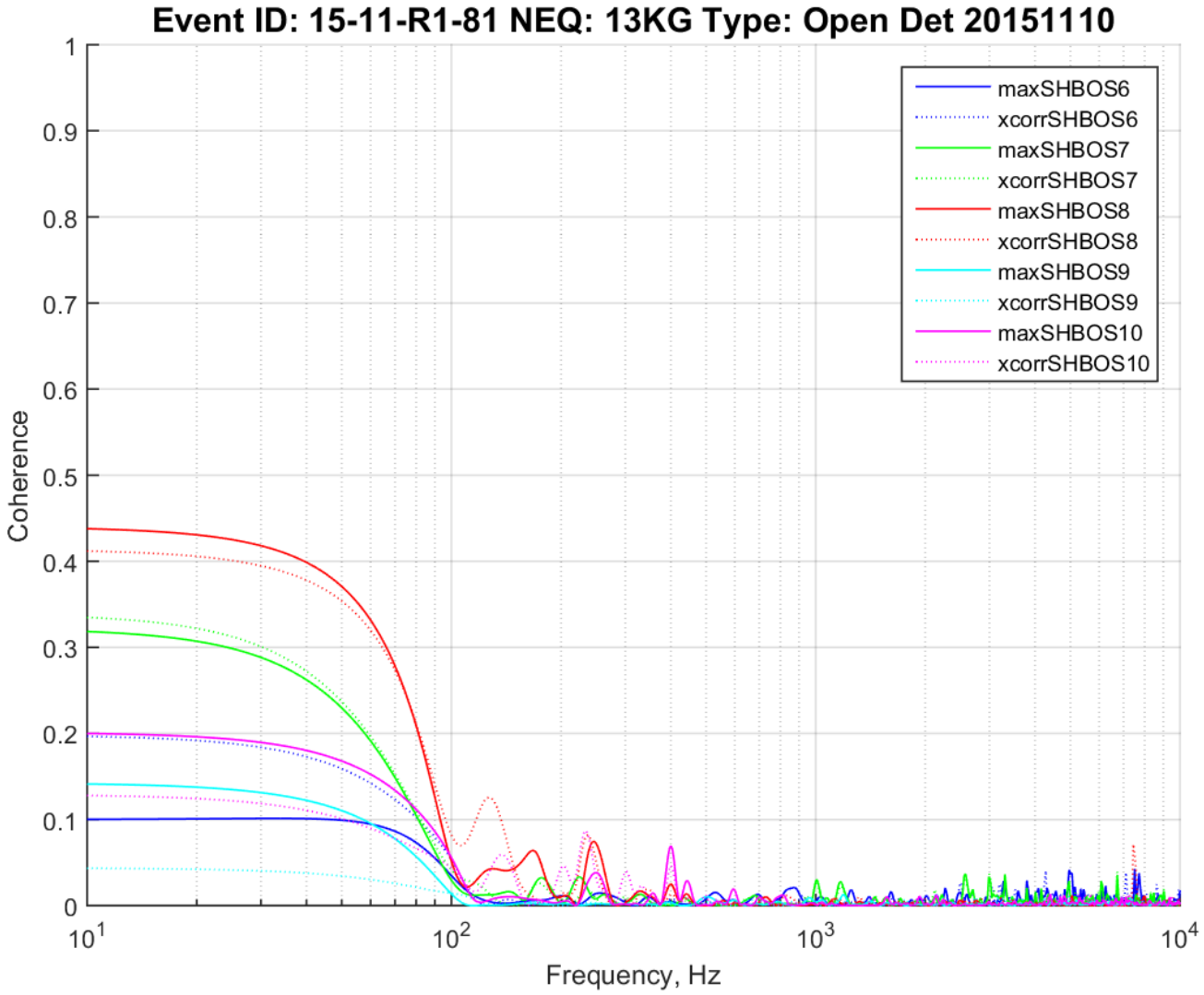


FIGURE 2.1711: COHERENCE SHB_OS 6 - 10 15-11-R1-81CTD

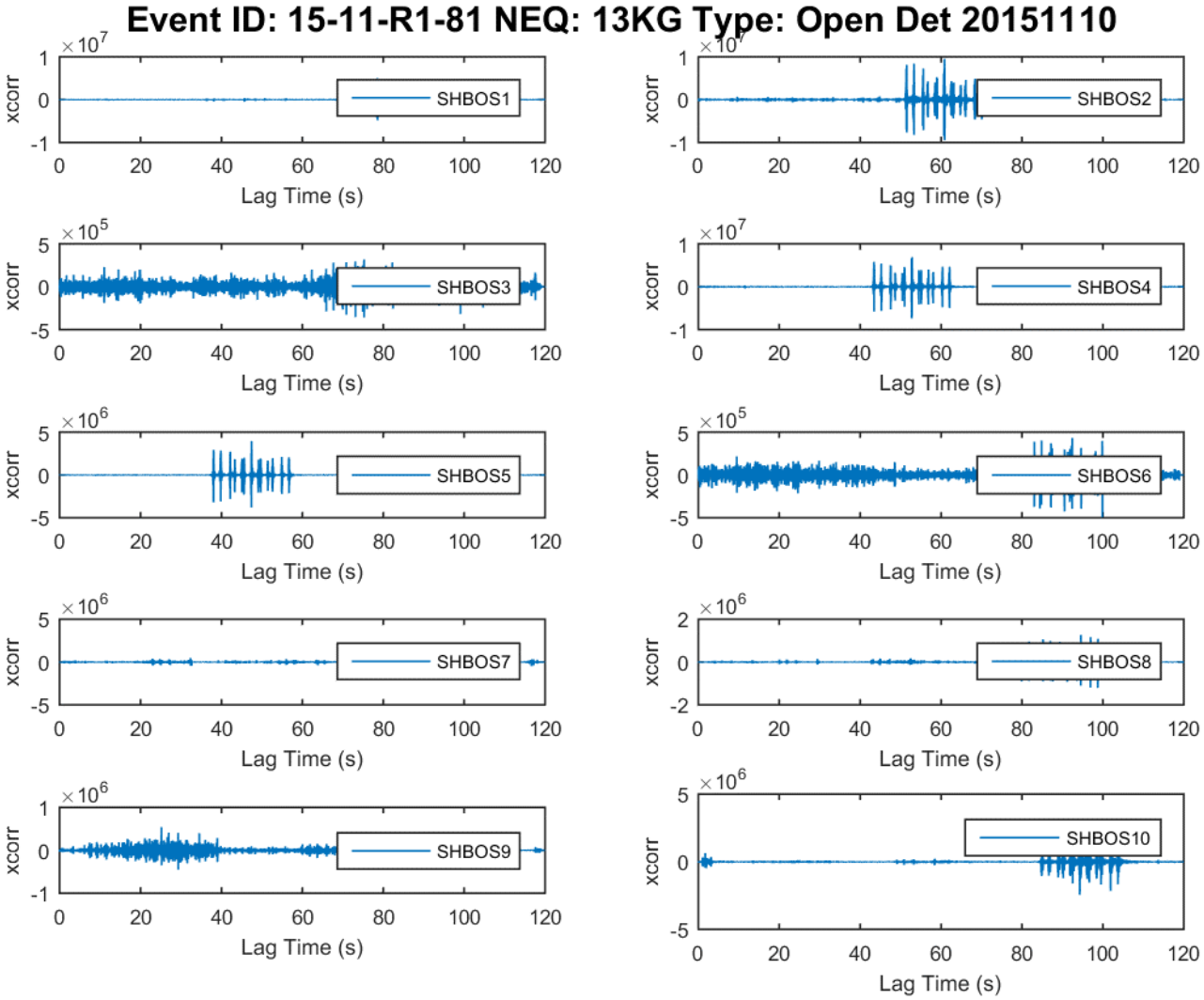


FIGURE 2.1712: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-81

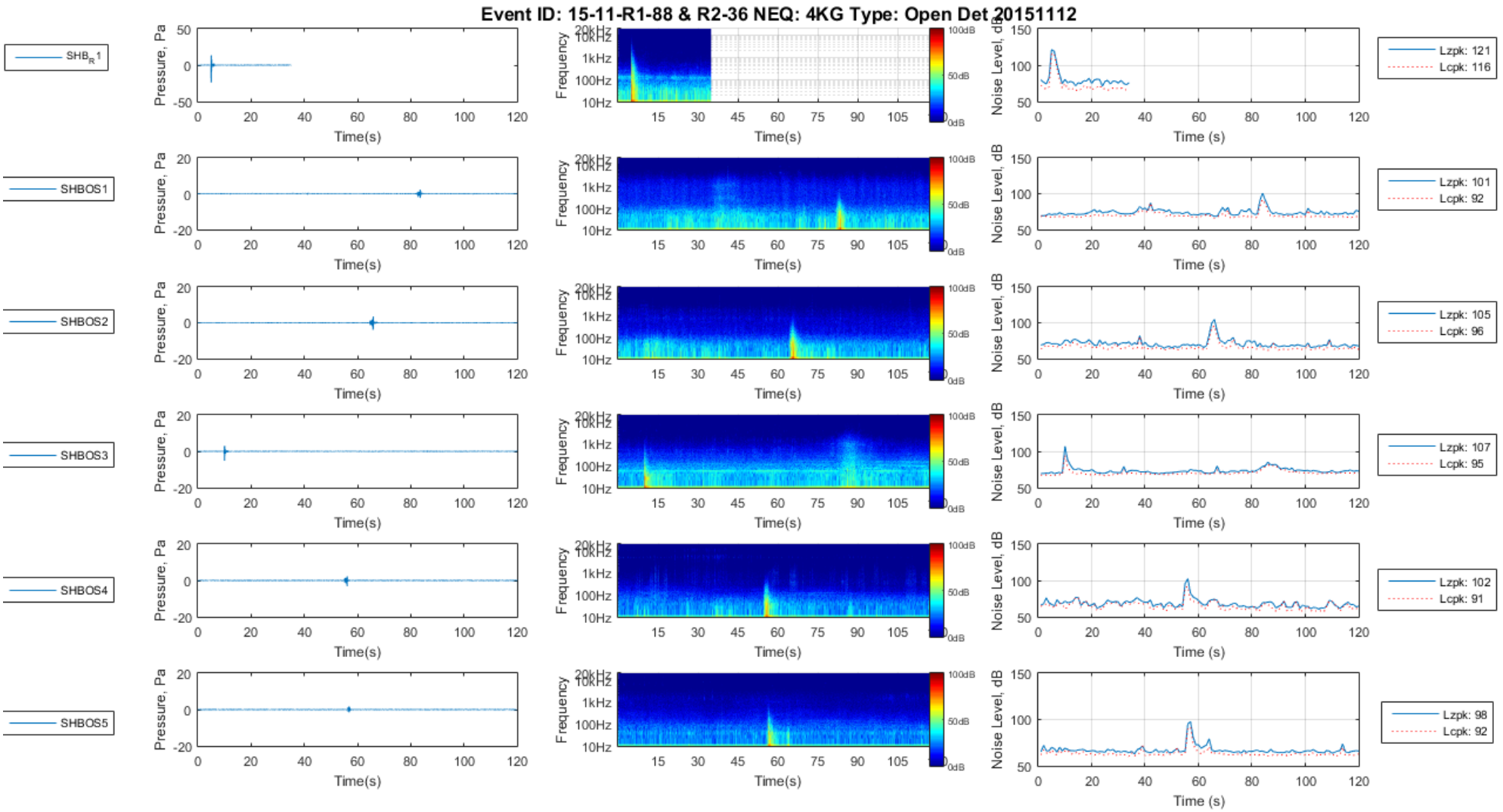


FIGURE 2.1713: SHB_OS 1 - 5 15-11-R1-88 & R2-36

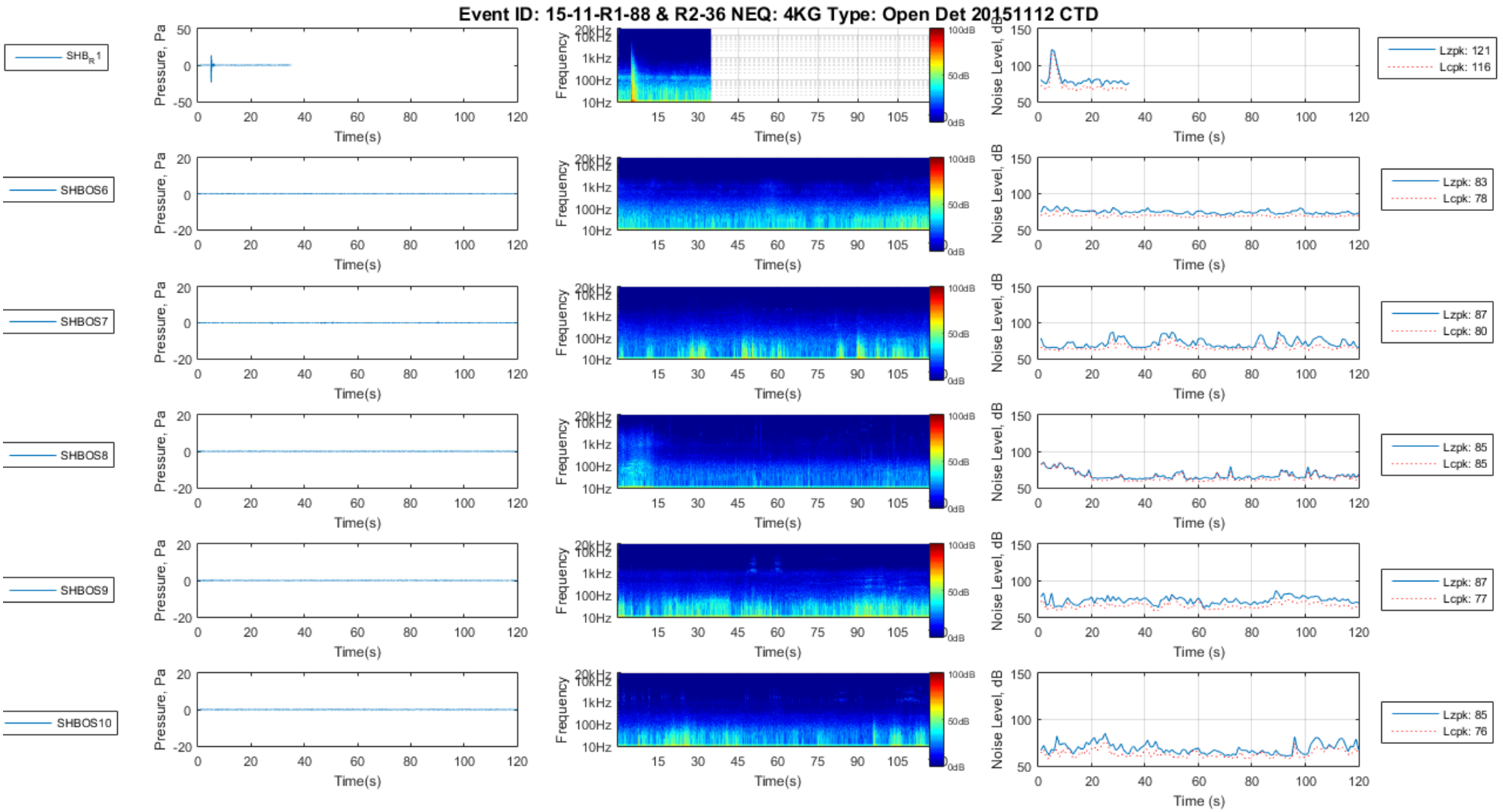


FIGURE 2.1714: SHB_OS 6 - 10 15-11-R1-88 & R2-36

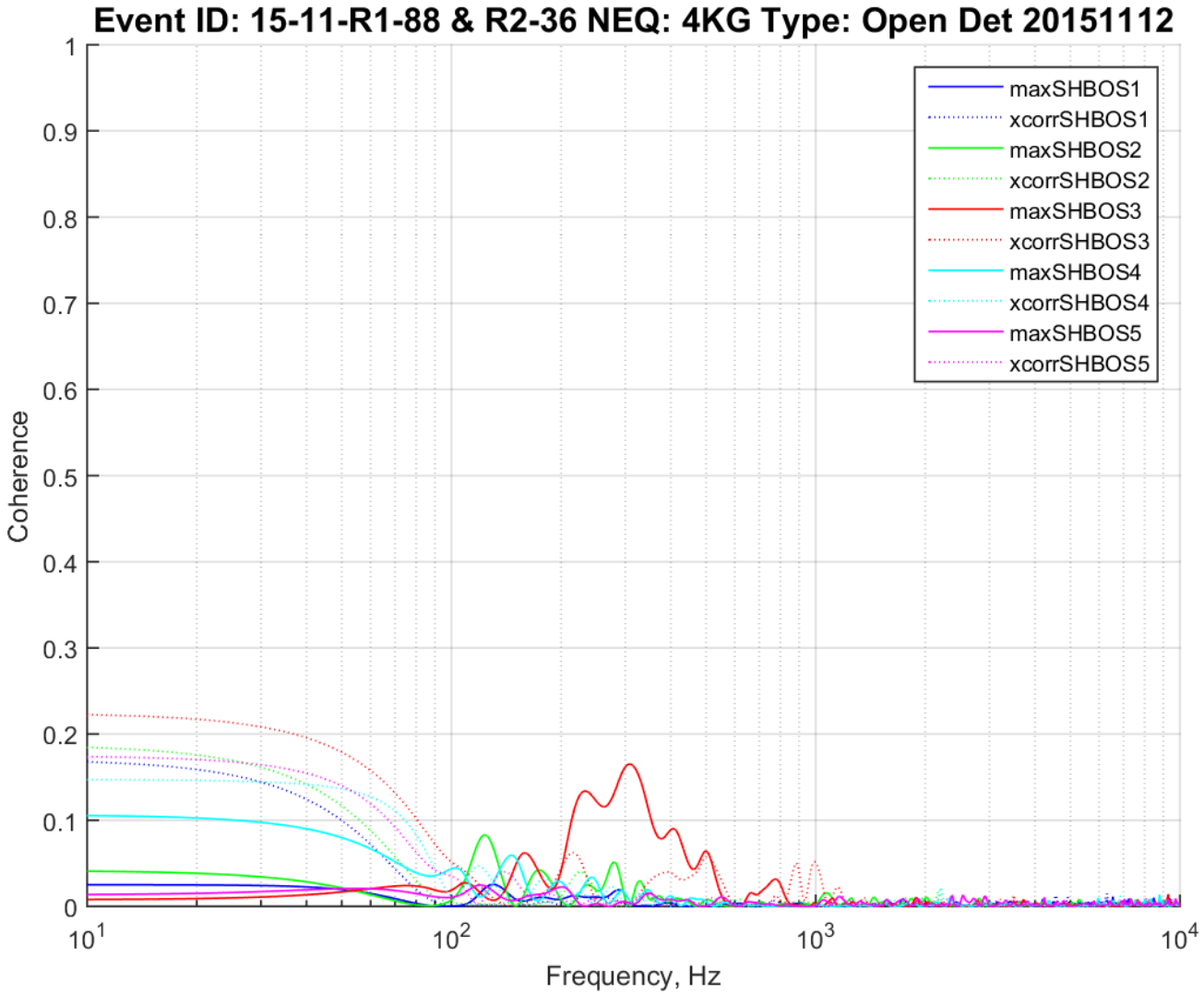


FIGURE 2.1715: COHERENCE SHB_OS 1 - 5 15-11-R1-88 & R2-36

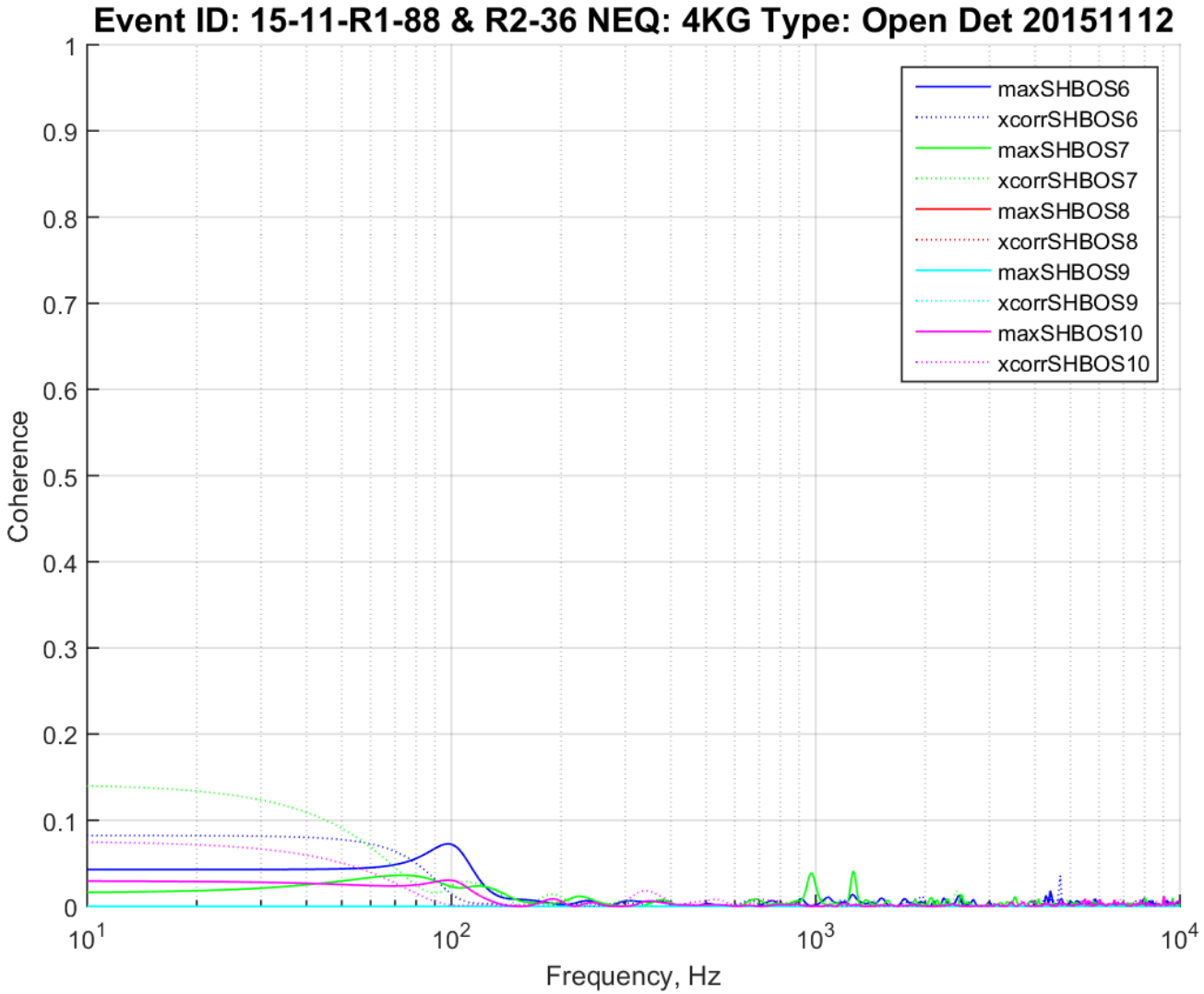


FIGURE 2.1716: COHERENCE SHB_OS 6 - 10 15-11-R1-88 & R2-36CTD

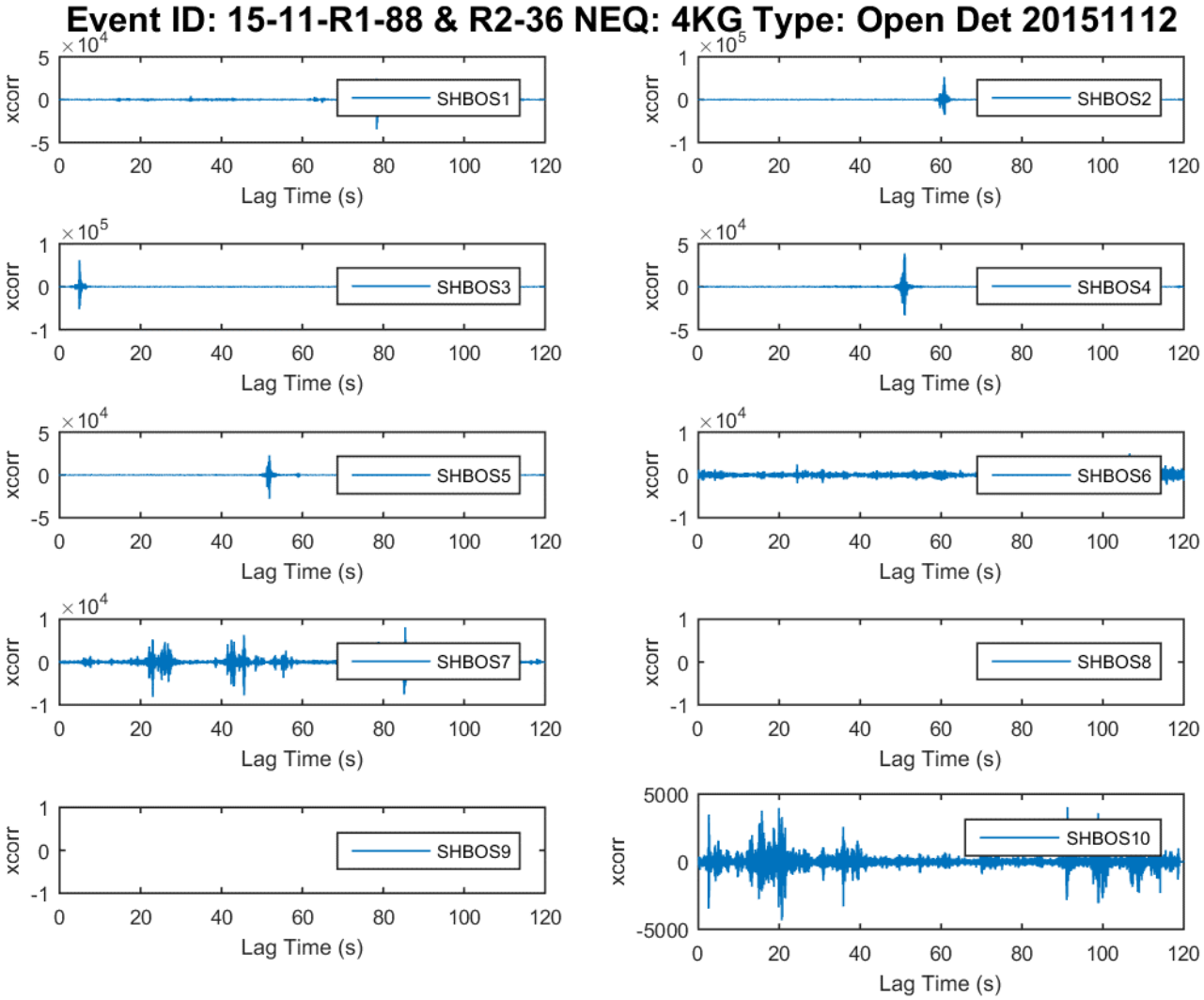


FIGURE 2.1717: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-88 & R2-36

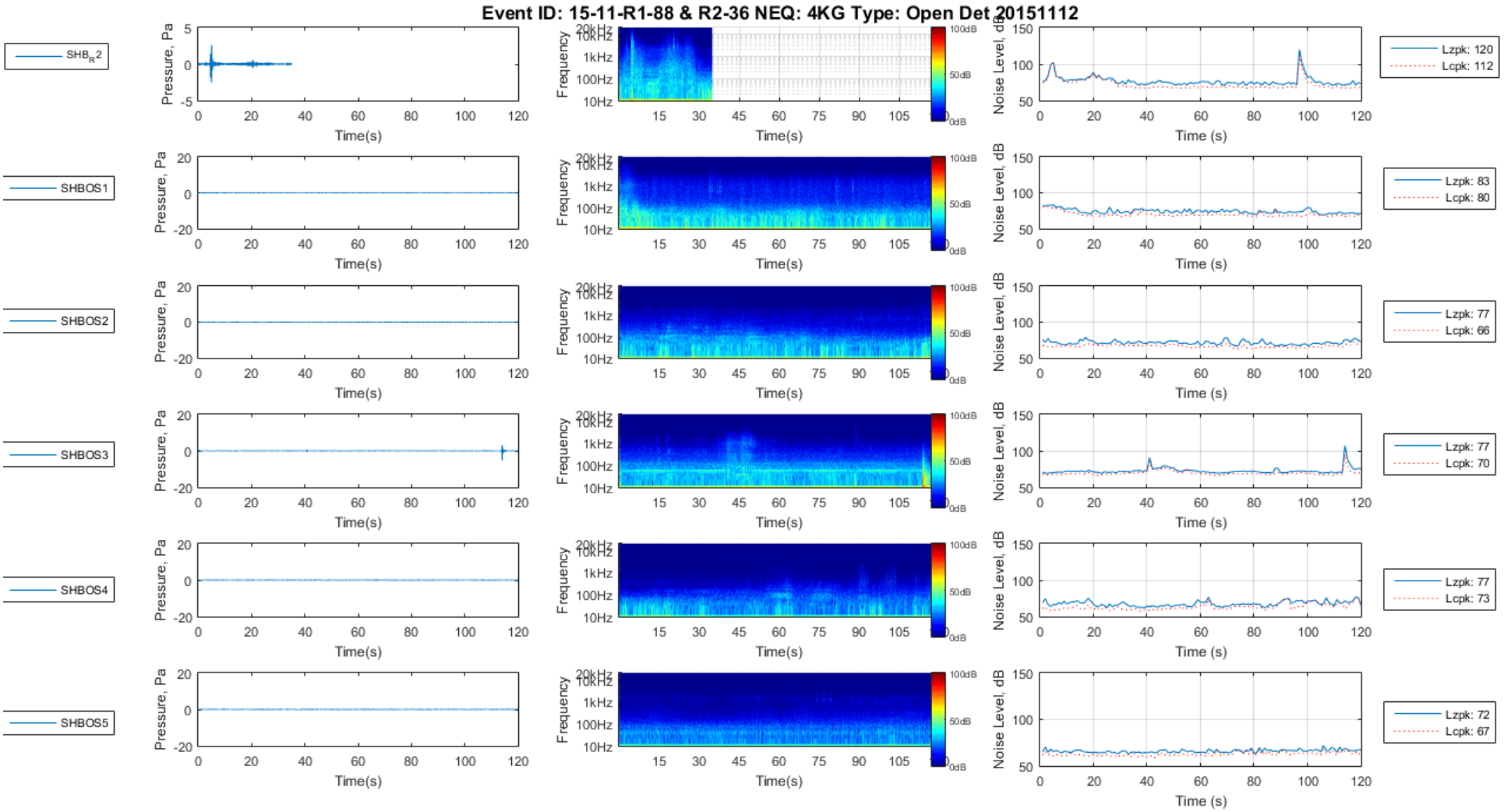


FIGURE 2.1718: SHB_OS 1 - 5 15-11-R1-88 & R2-36

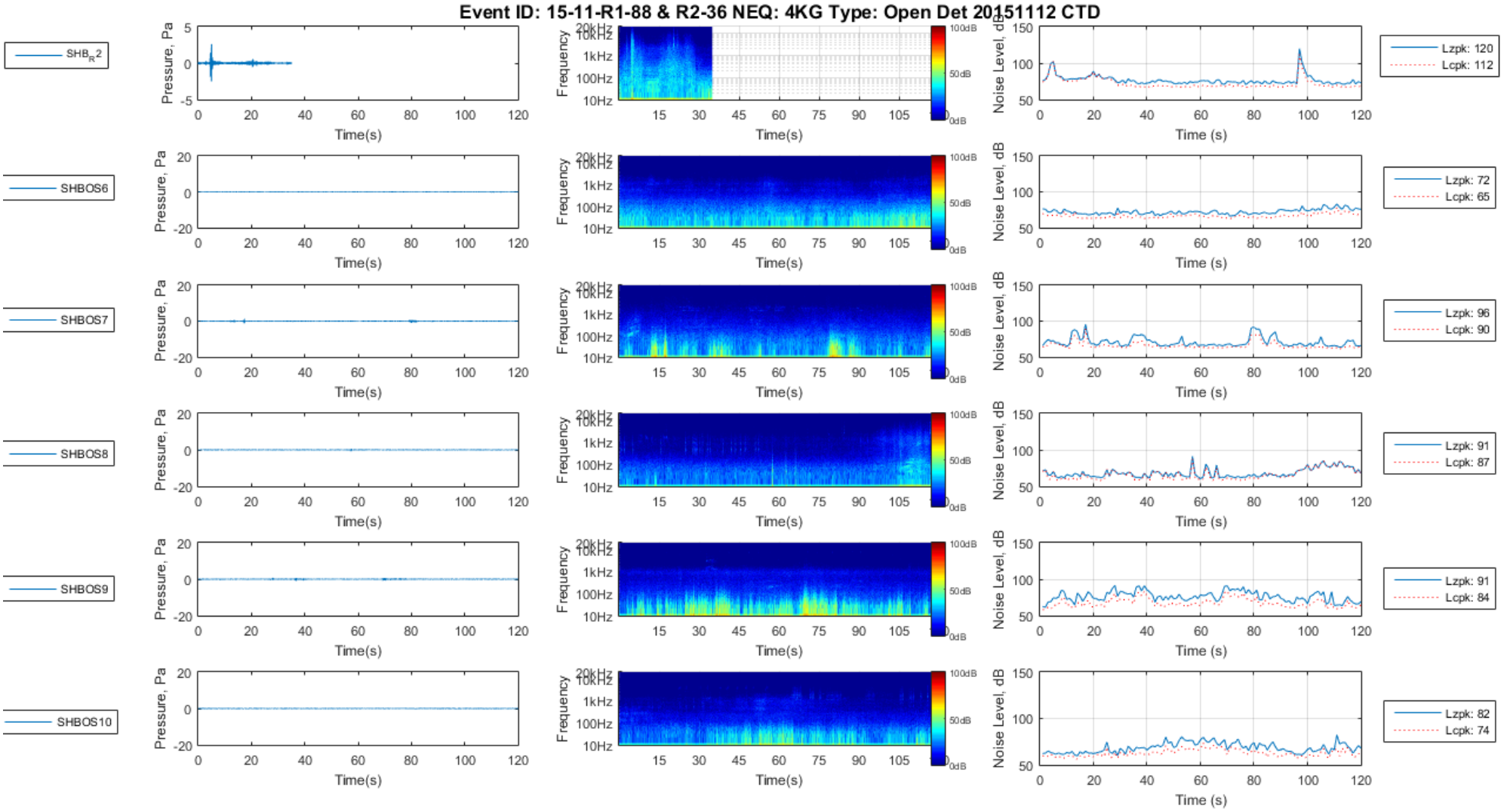


FIGURE 2.1719: SHB_OS 6 - 10 15-11-R1-88 & R2-36

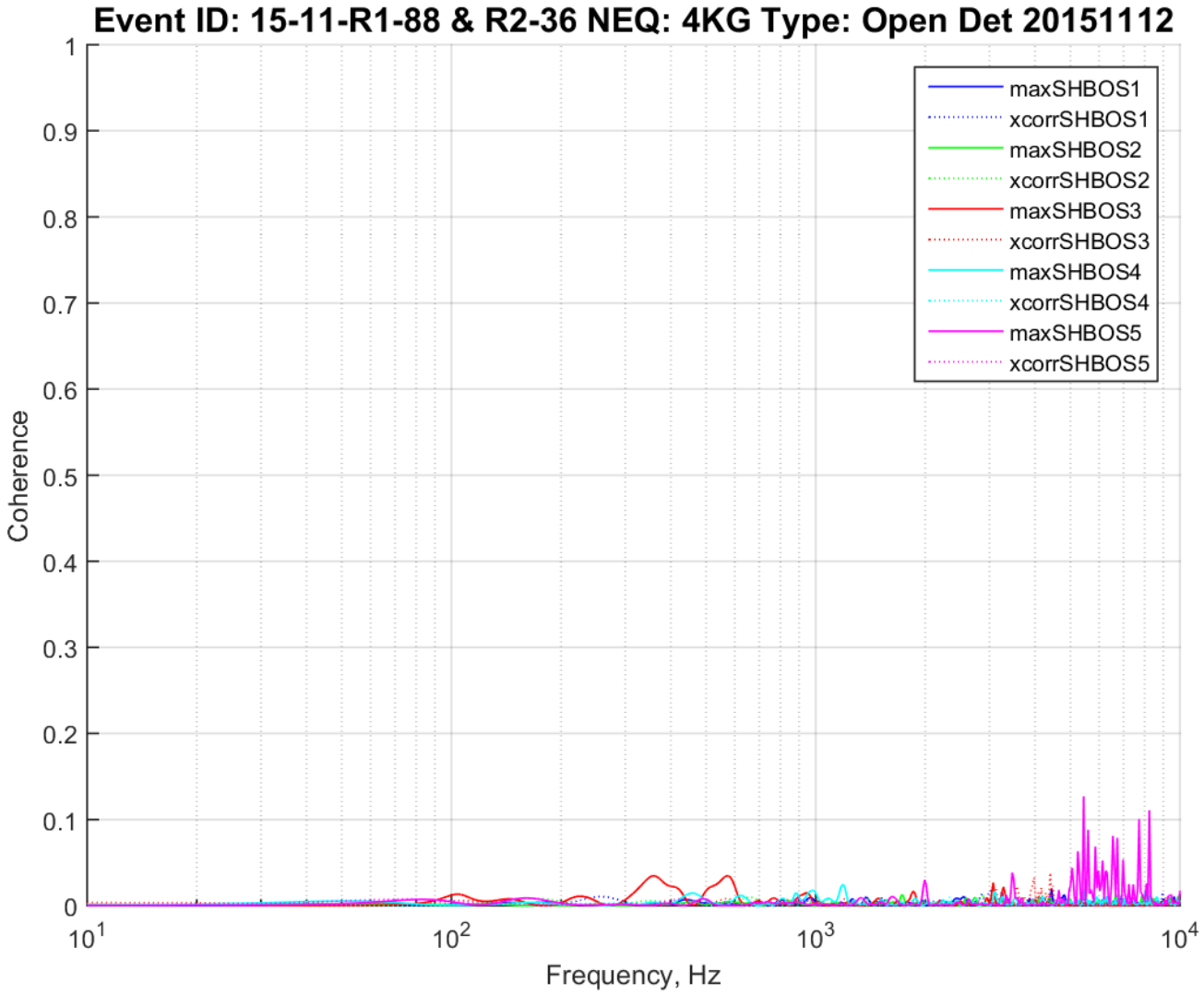


FIGURE 2.1720: COHERENCE SHB_OS 1 - 5 15-11-R1-88 & R2-36

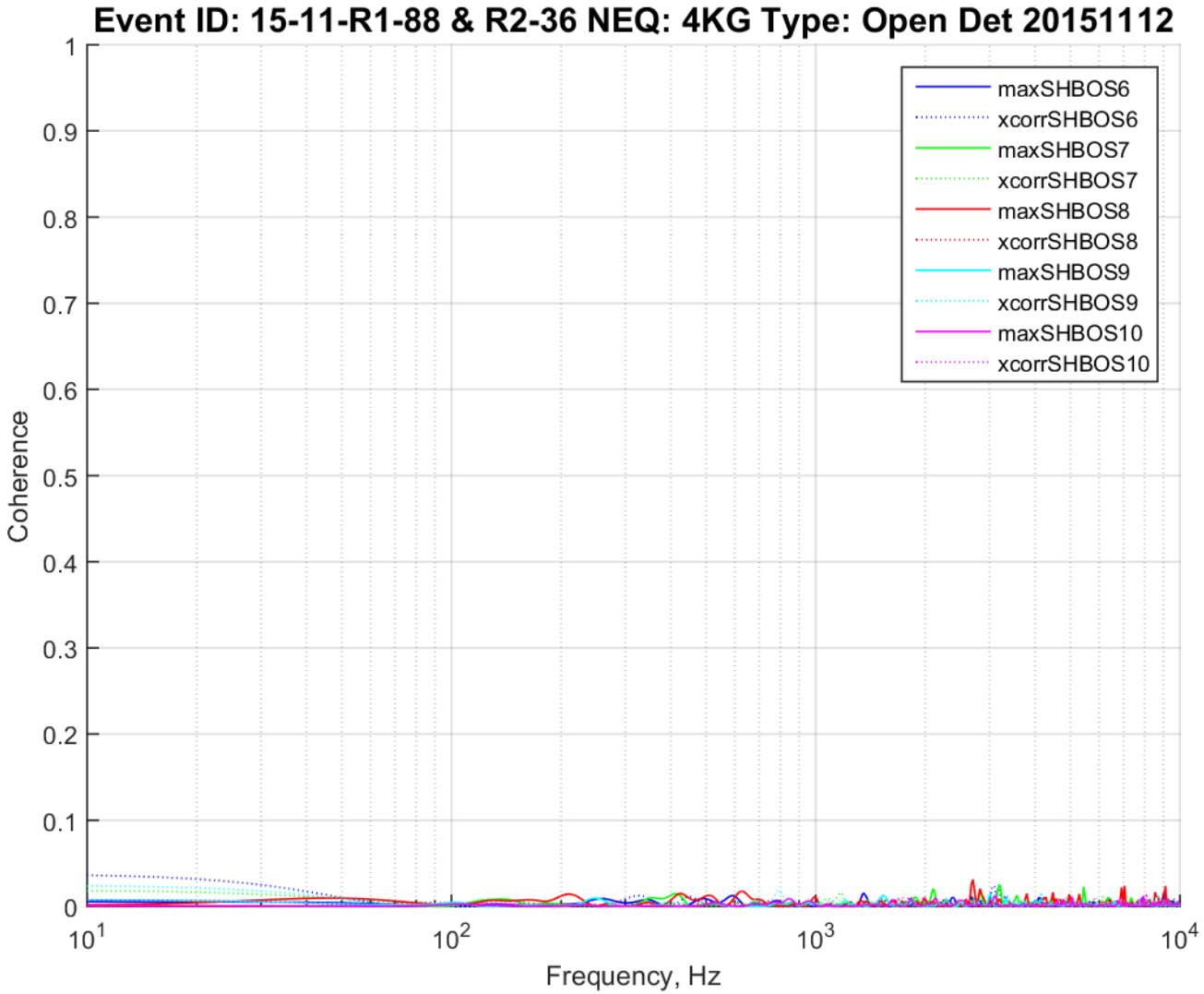


FIGURE 2.1721: COHERENCE SHB_OS 6 - 10 15-11-R1-88 & R2-36CTD

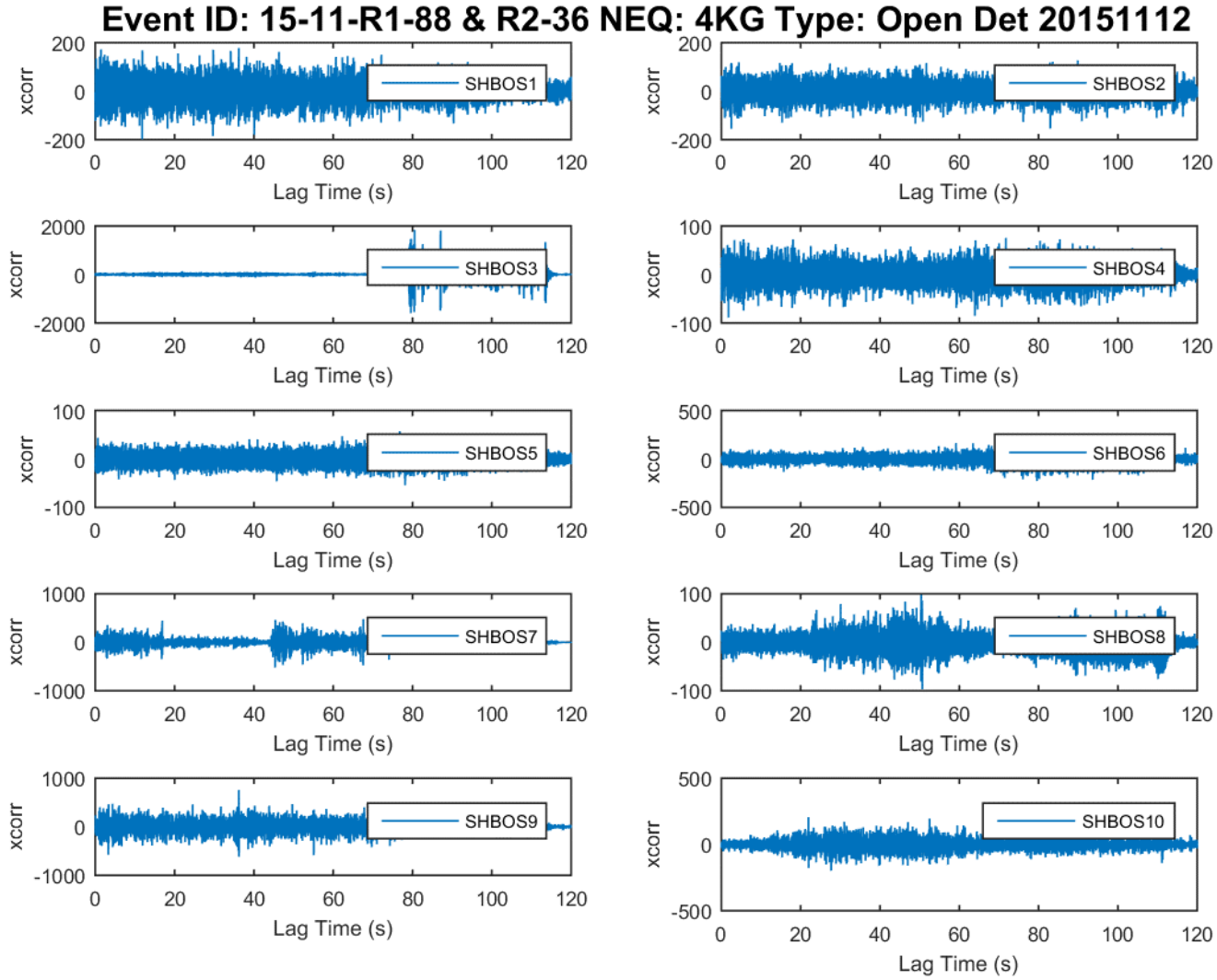


FIGURE 2.1722: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-88 & R2-36

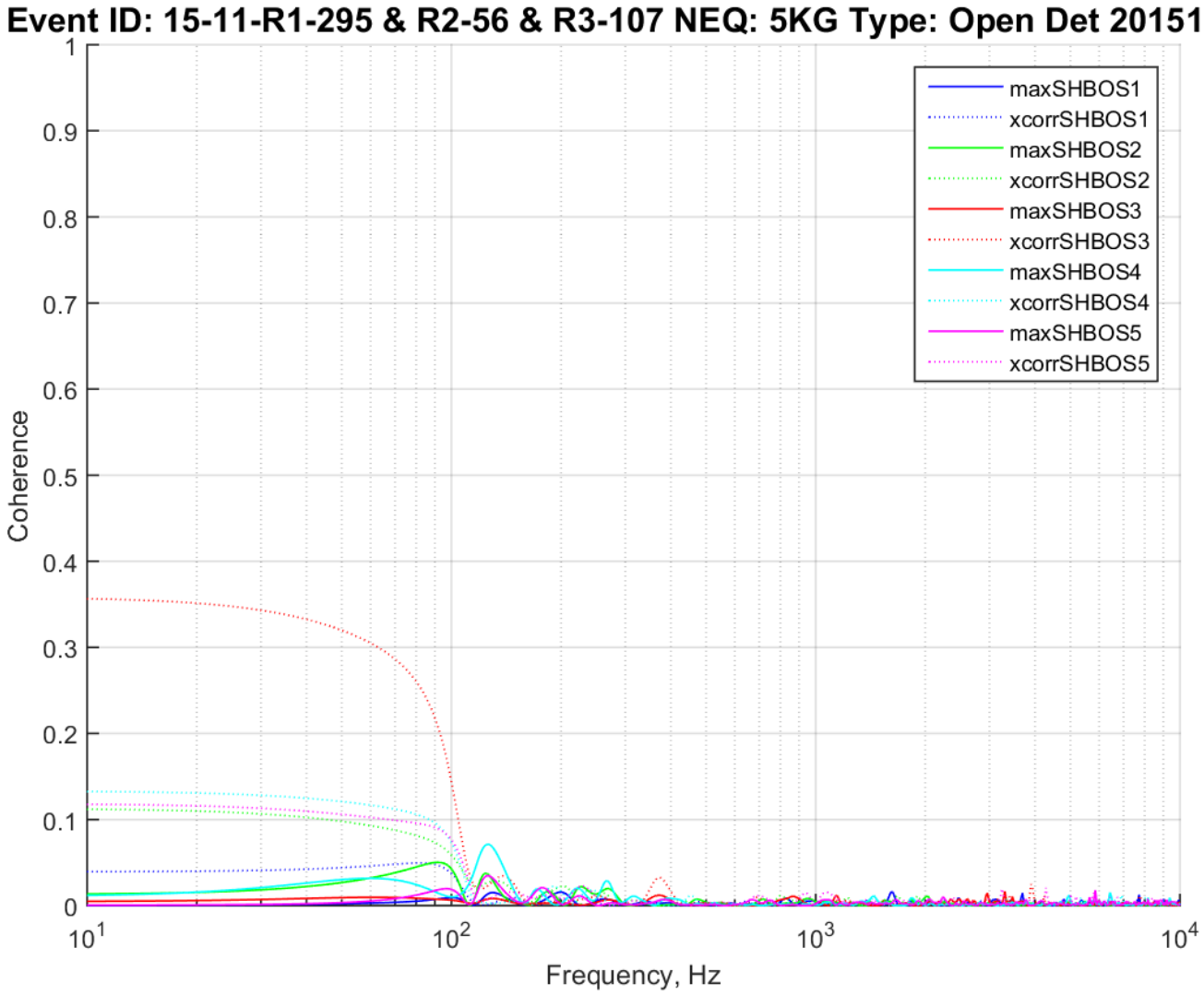


FIGURE 2.1723: COHERENCE SHB_OS 1 - 5 15-11-R1-295 & R2-56 & R3-107

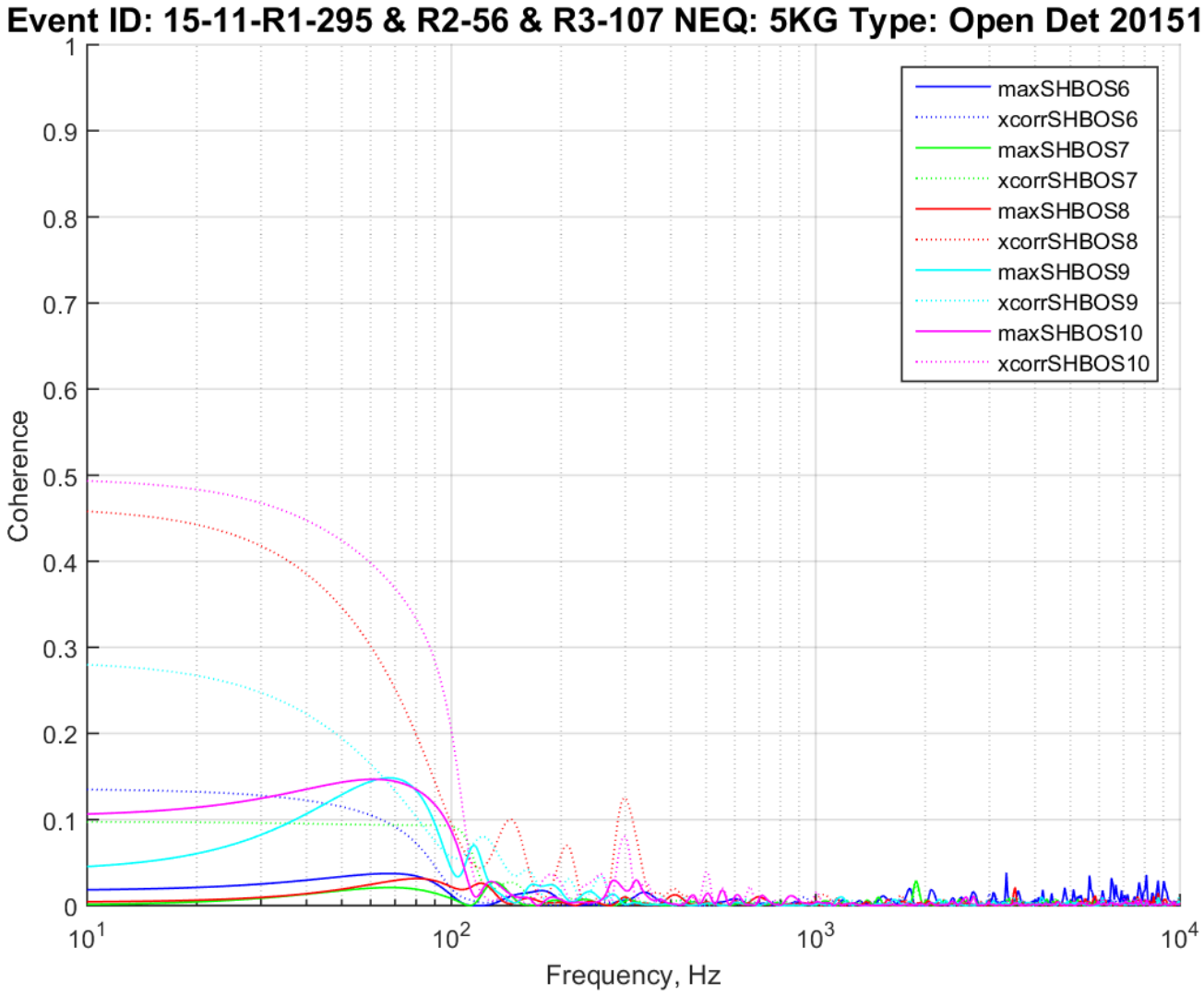


FIGURE 2.1724: COHERENCE SHB_OS 6 - 10 15-11-R1-295 & R2-56 & R3-107CTD

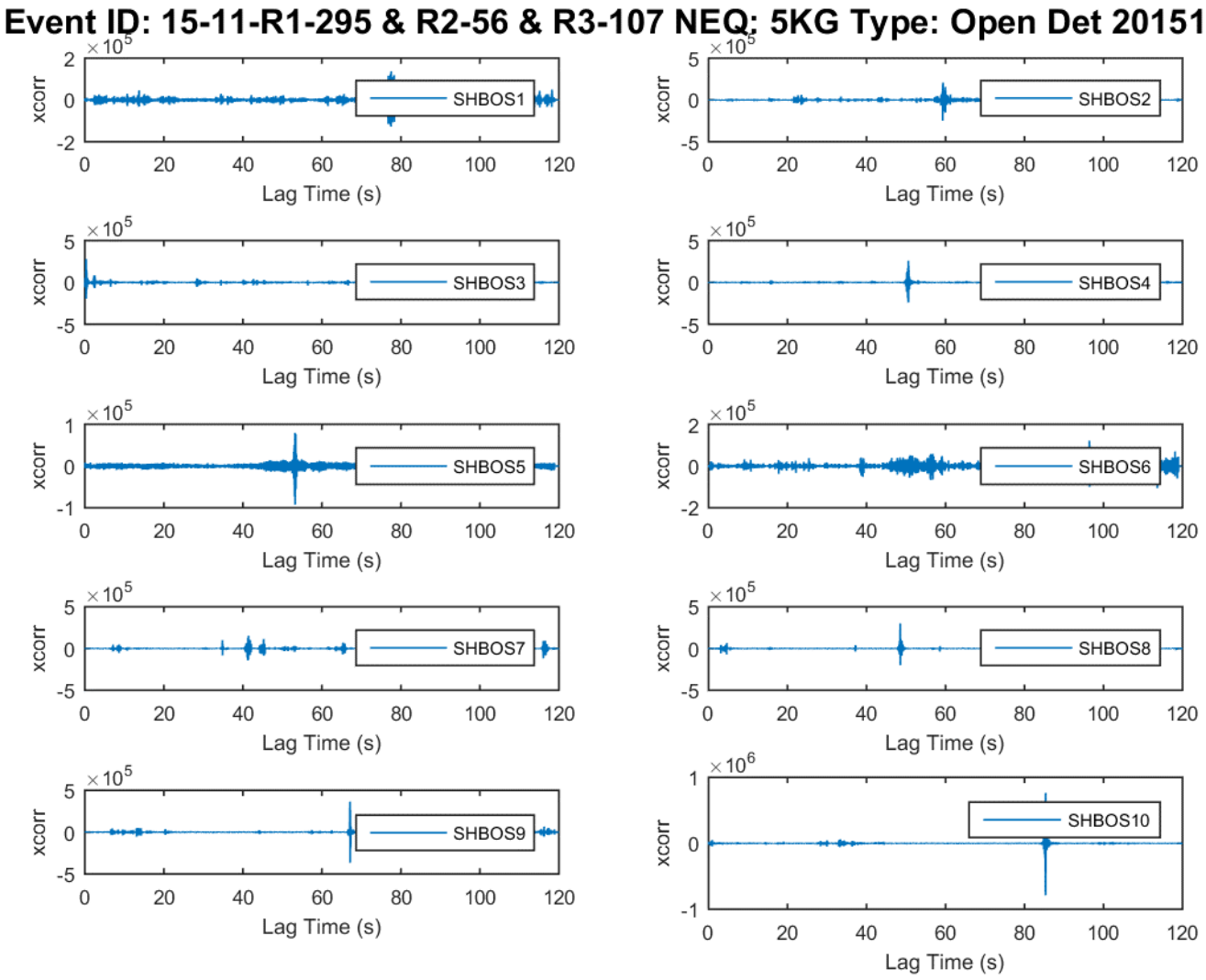


FIGURE 2.1725: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-295 & R2-56 & R3-107

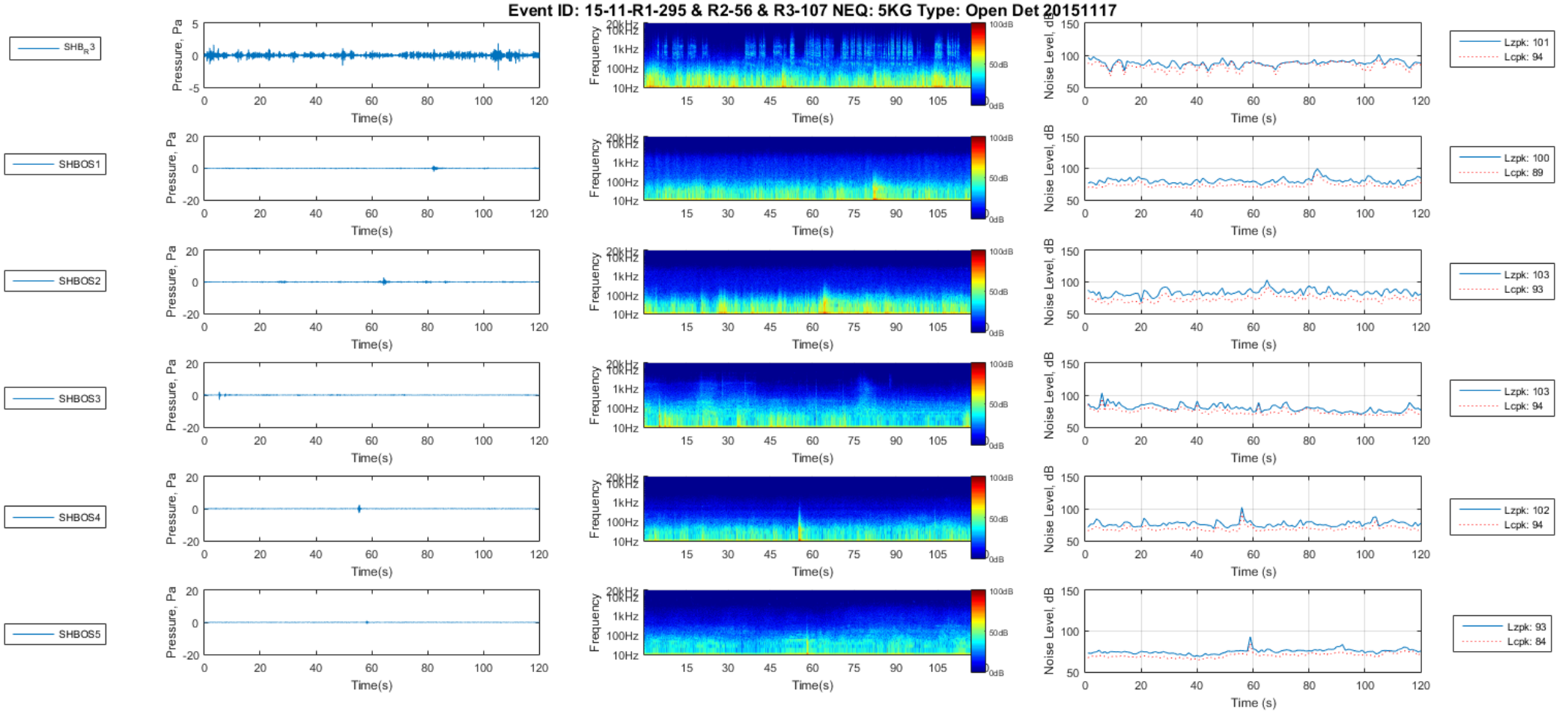


FIGURE 2.1726: SHB_OS 1 - 5 15-11-R1-295 & R2-56 & R3-107

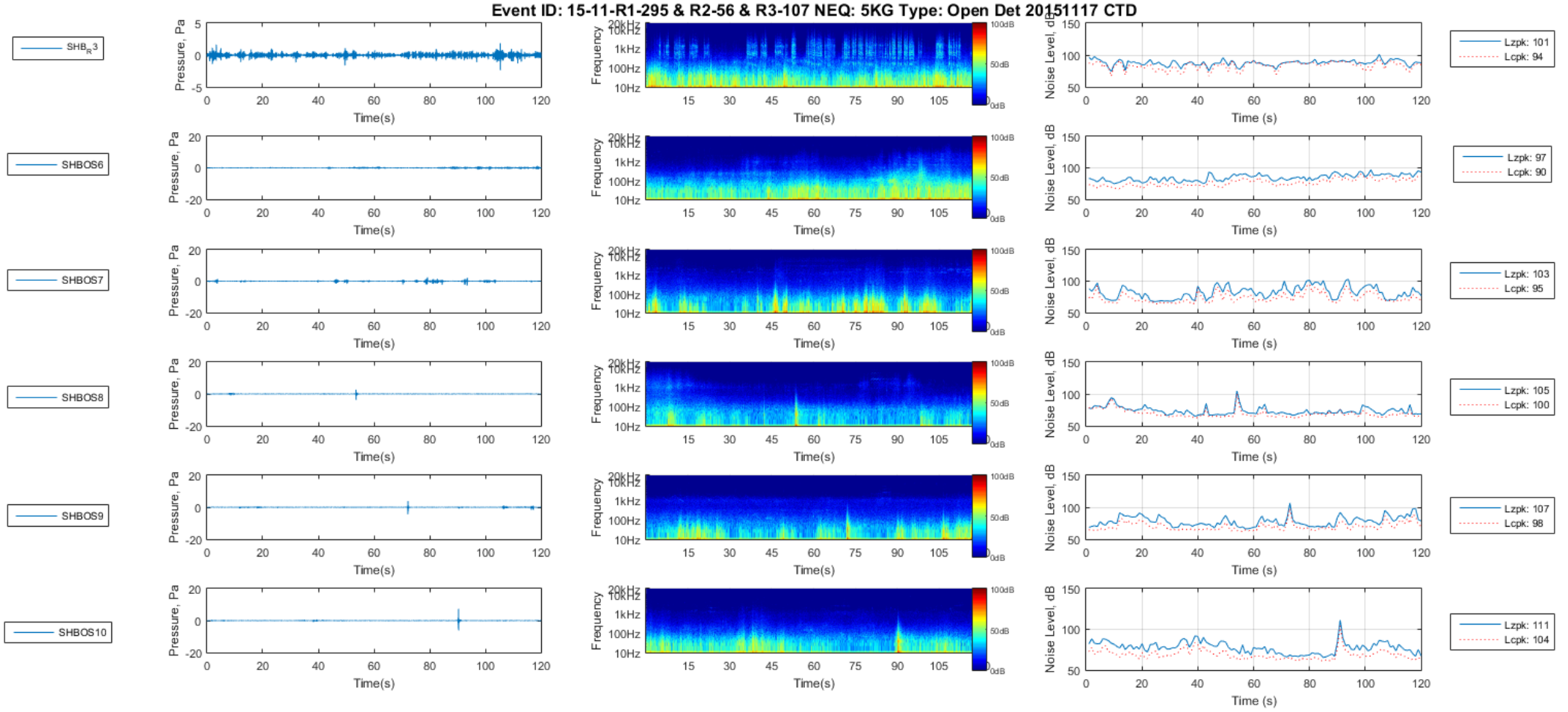


FIGURE 2.1727: SHB_OS 6 - 10 15-11-R1-295 & R2-56 & R3-107

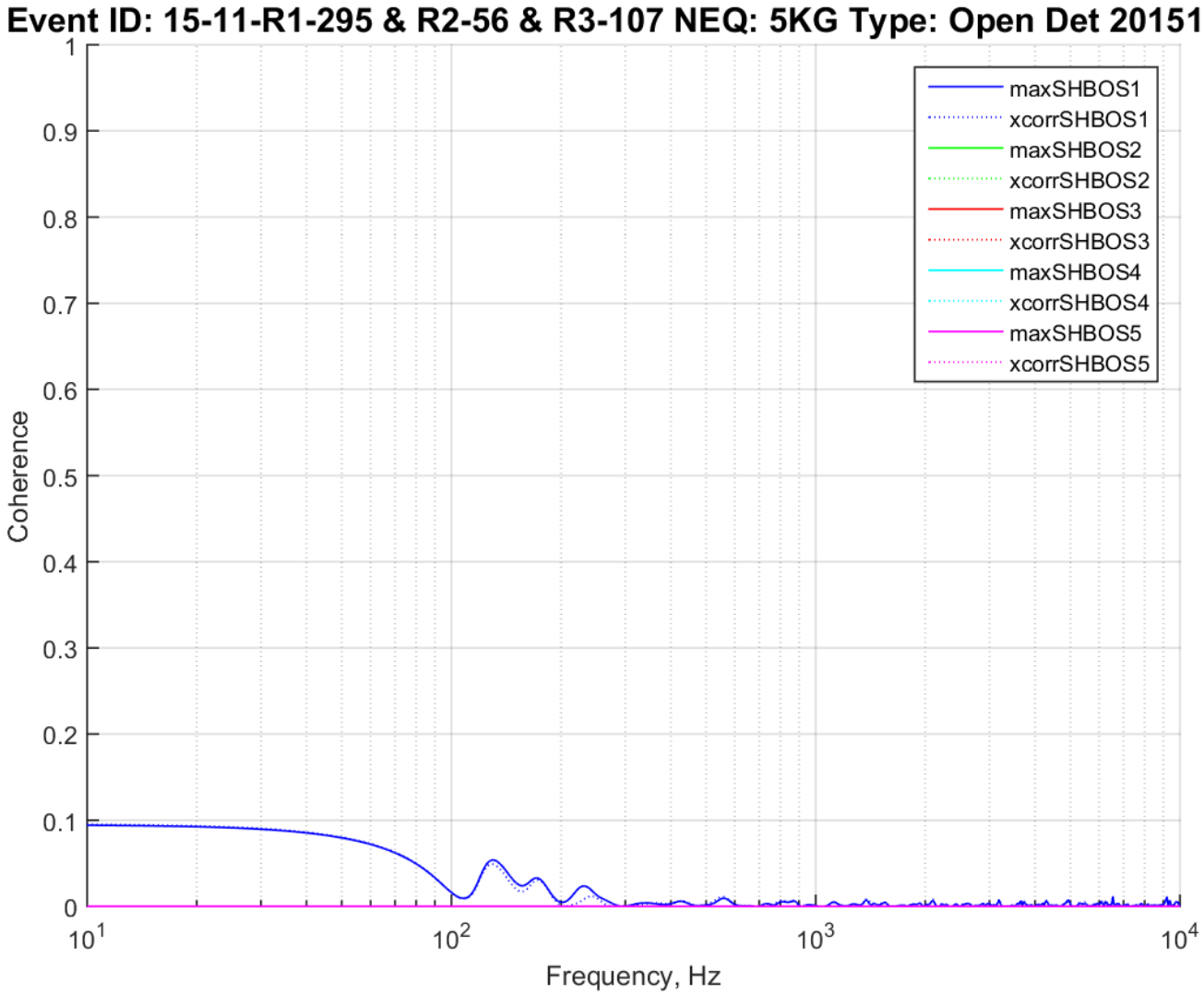


FIGURE 2.1728: COHERENCE SHB_OS 1 - 5 15-11-R1-295 & R2-56 & R3-107

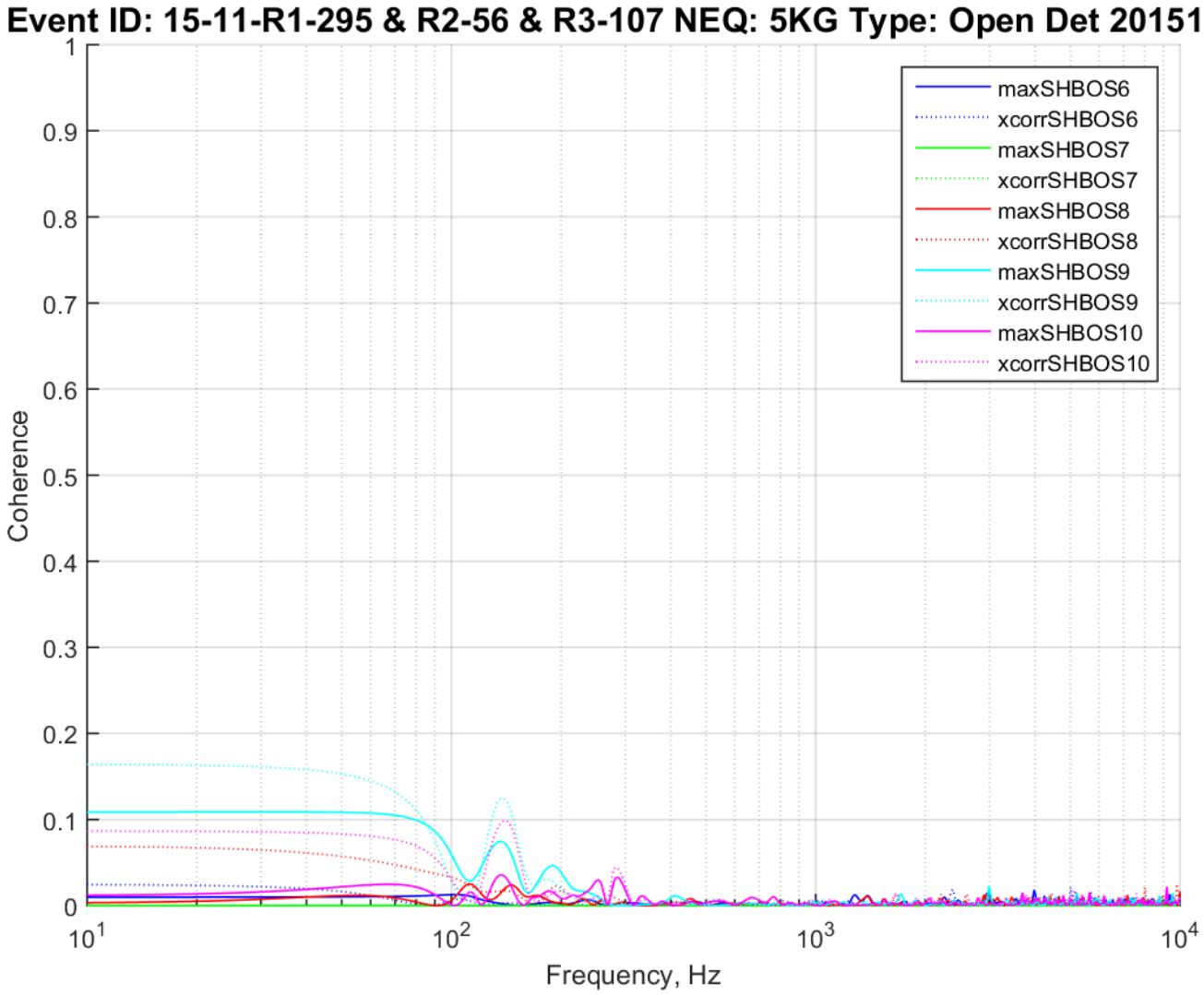


FIGURE 2.1729: COHERENCE SHB_OS 6 - 10 15-11-R1-295 & R2-56 & R3-107CTD

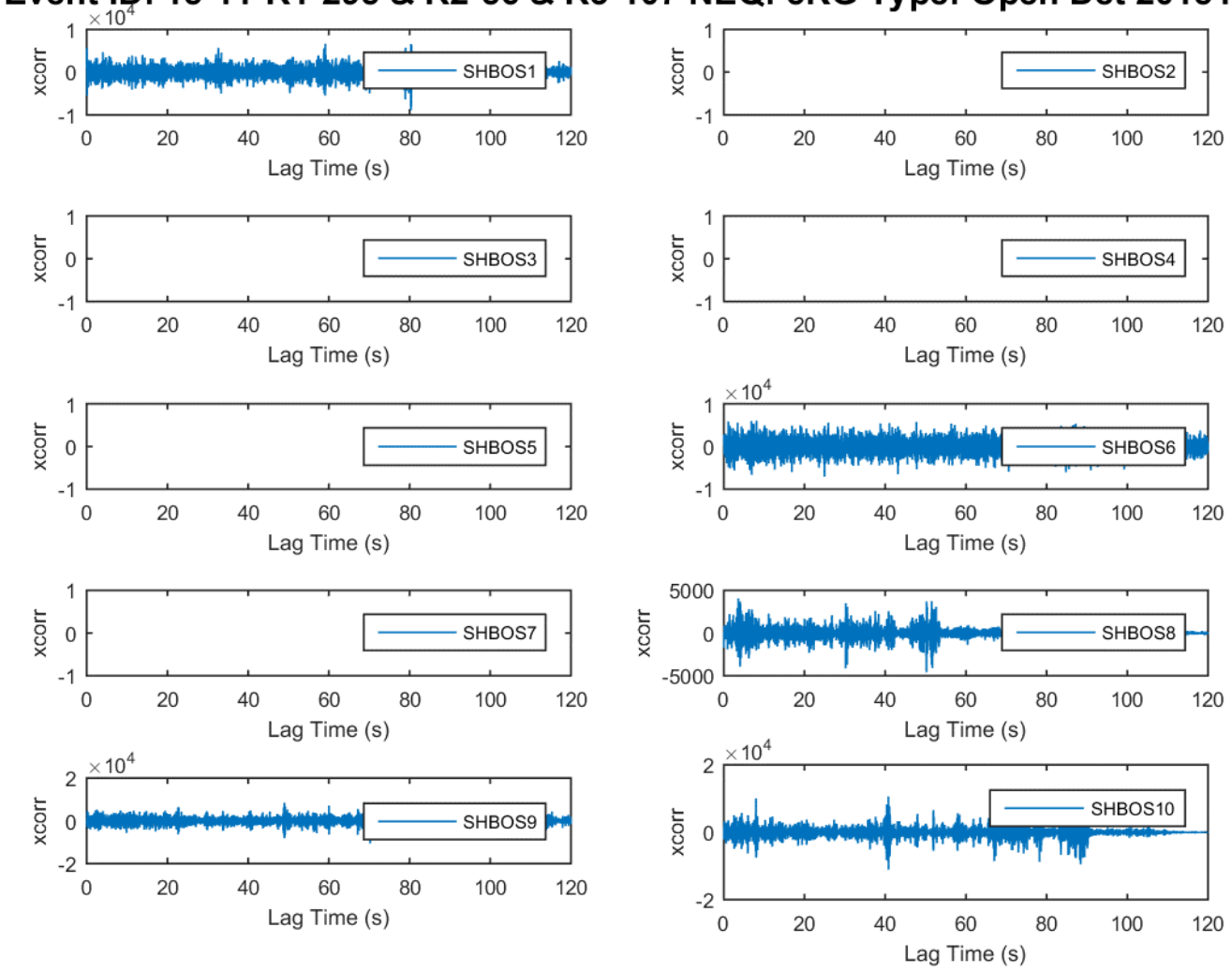


FIGURE 2.1730: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-295 & R2-56 & R3-107

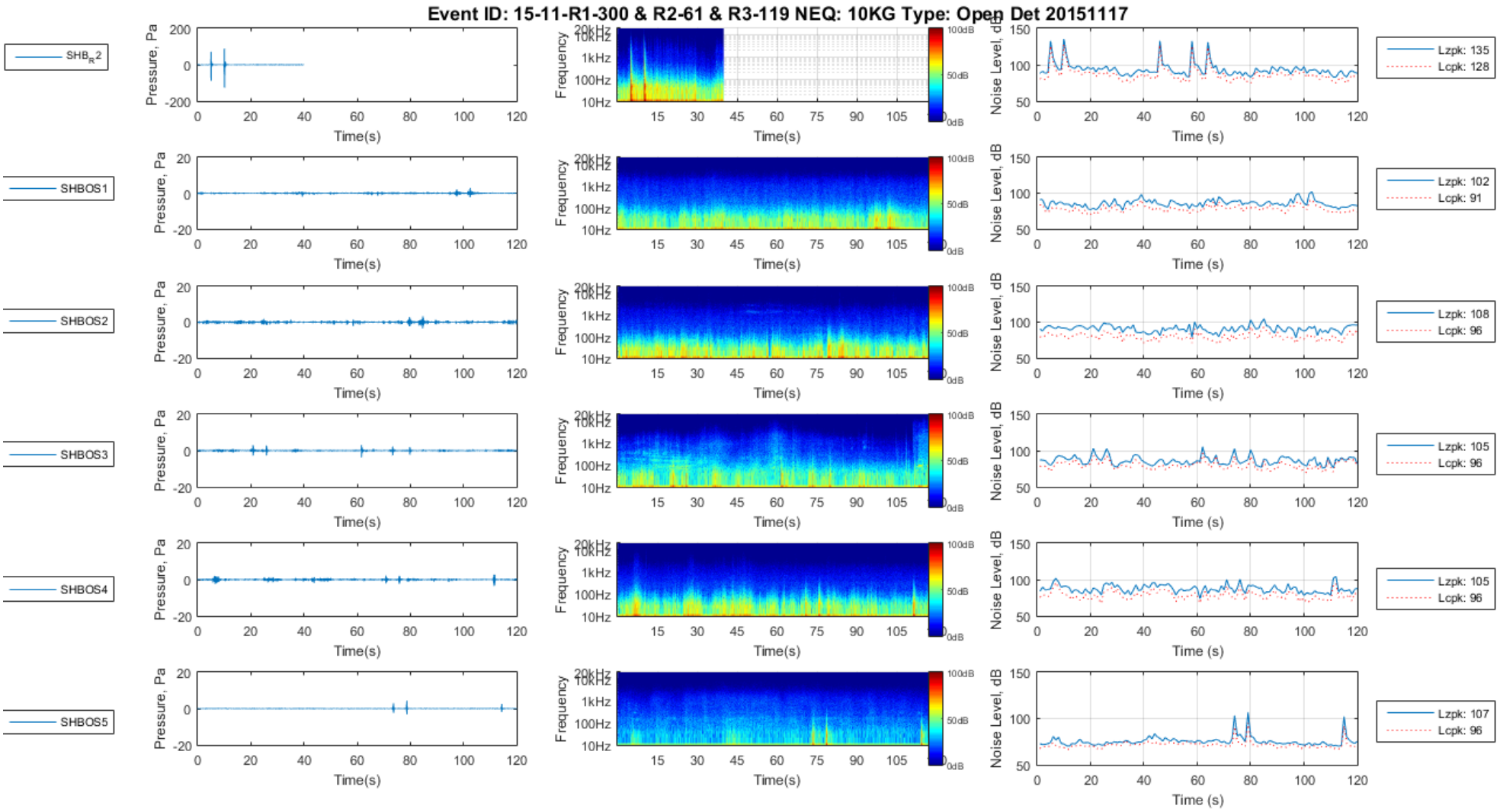


FIGURE 2.1731: SHB_OS 1 - 5 15-11-R1-300 & R2-61 & R3-119

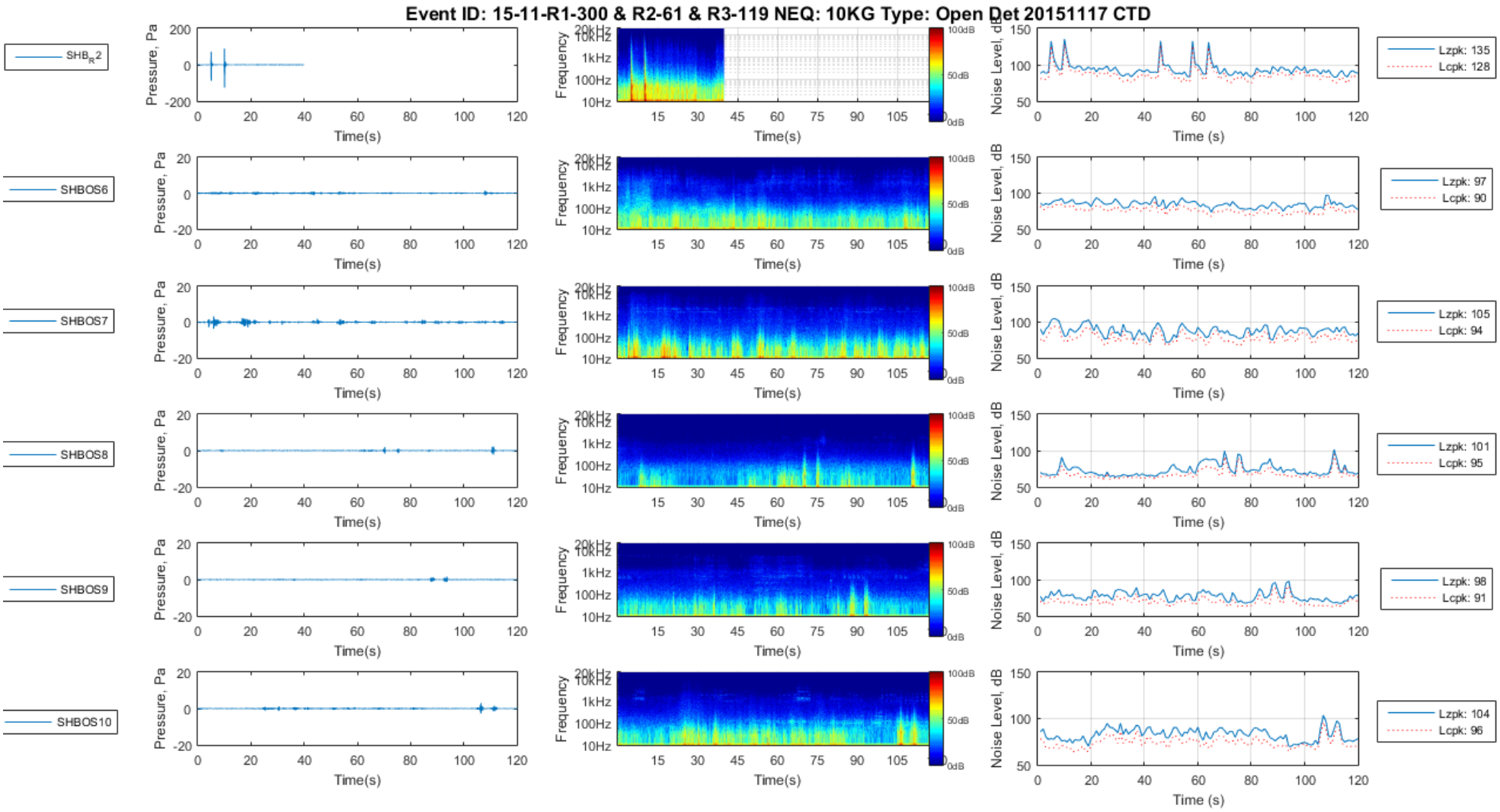


FIGURE 2.1732: SHB_OS 6 - 10 15-11-R1-300 & R2-61 & R3-119

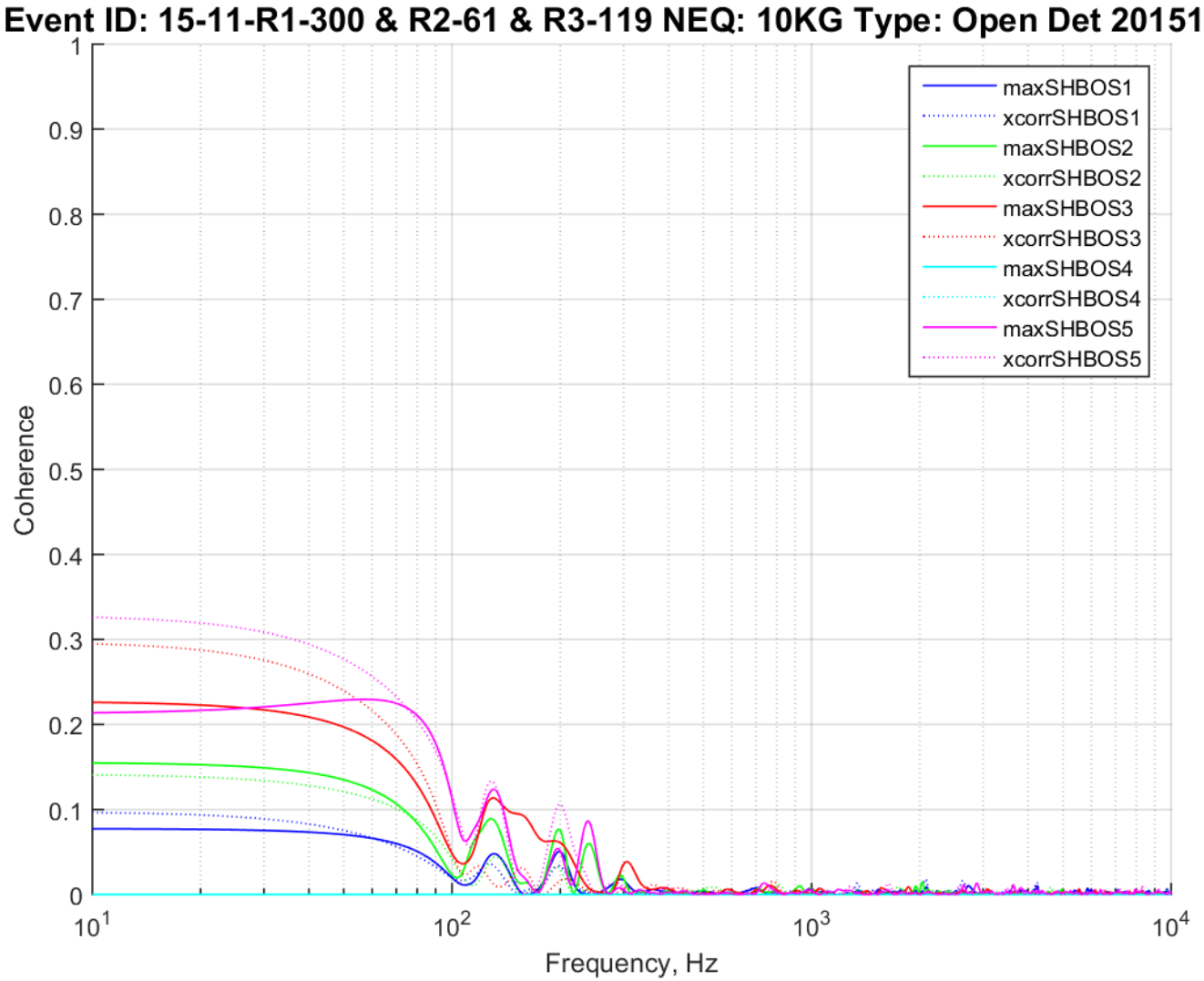


FIGURE 2.1733: COHERENCE SHB_OS 1 - 5 15-11-R1-300 & R2-61 & R3-119

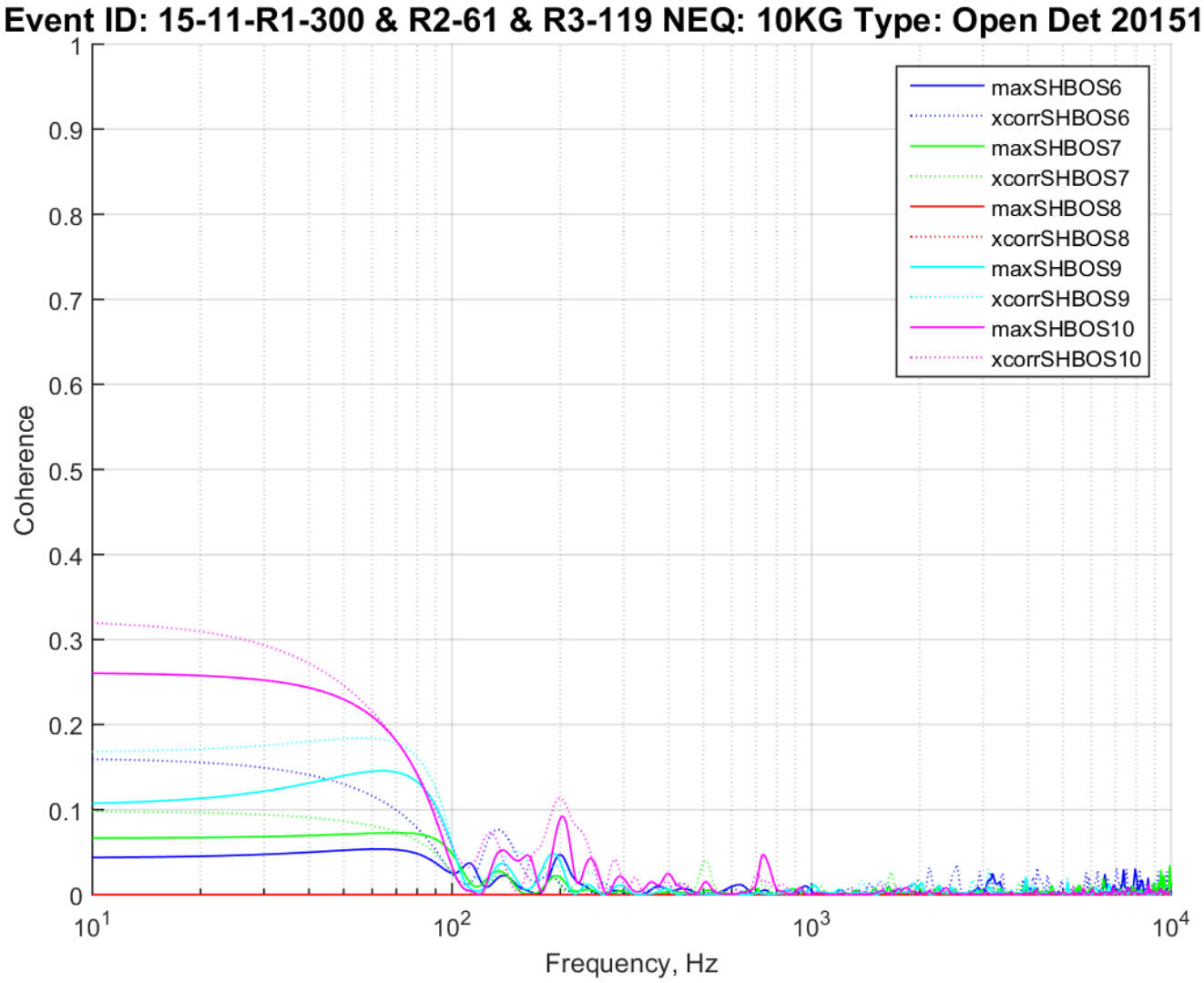


FIGURE 2.1734: COHERENCE SHB_OS 6 - 10 15-11-R1-300 & R2-61 & R3-119CTD

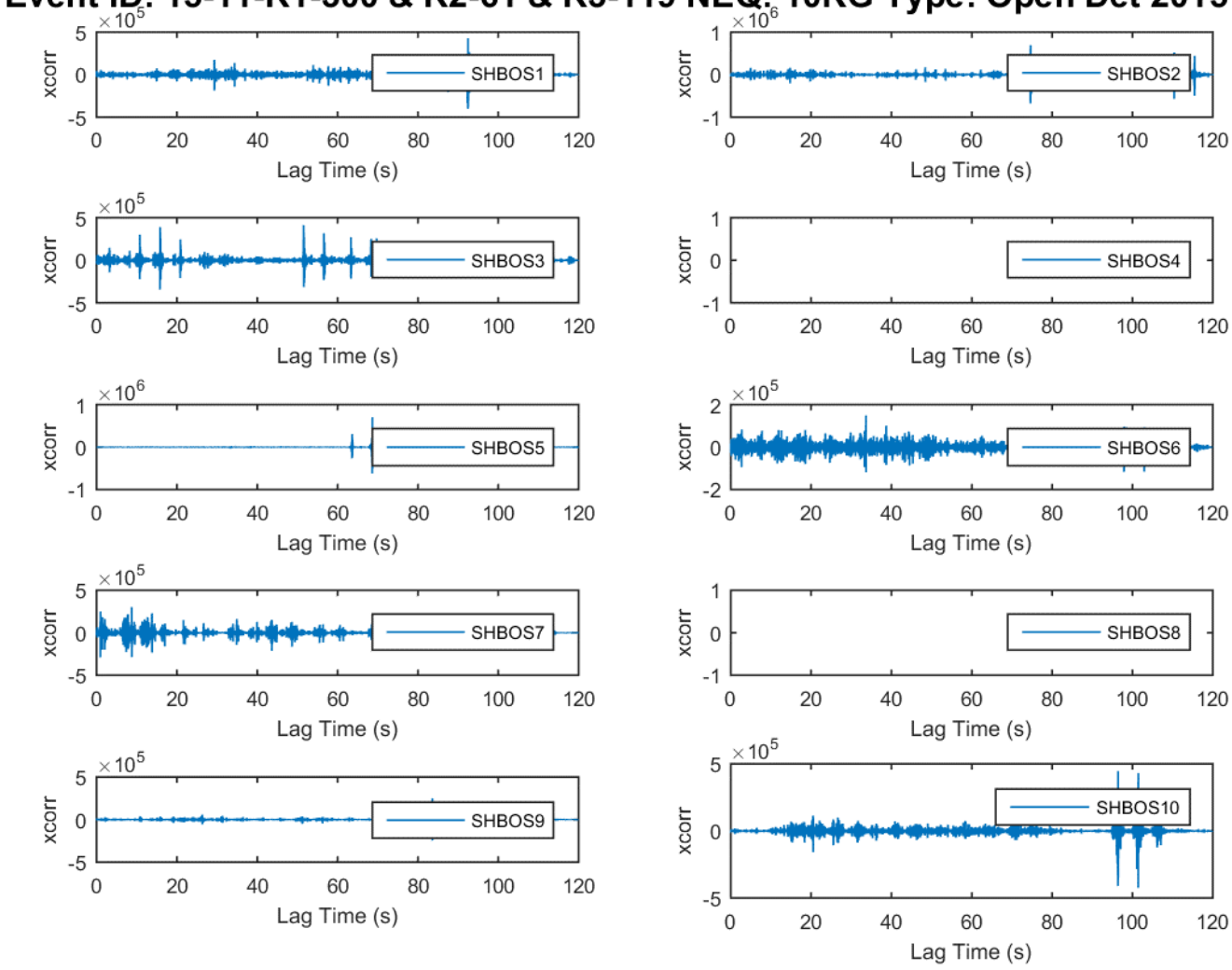


FIGURE 2.1735: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-300 & R2-61 & R3-119

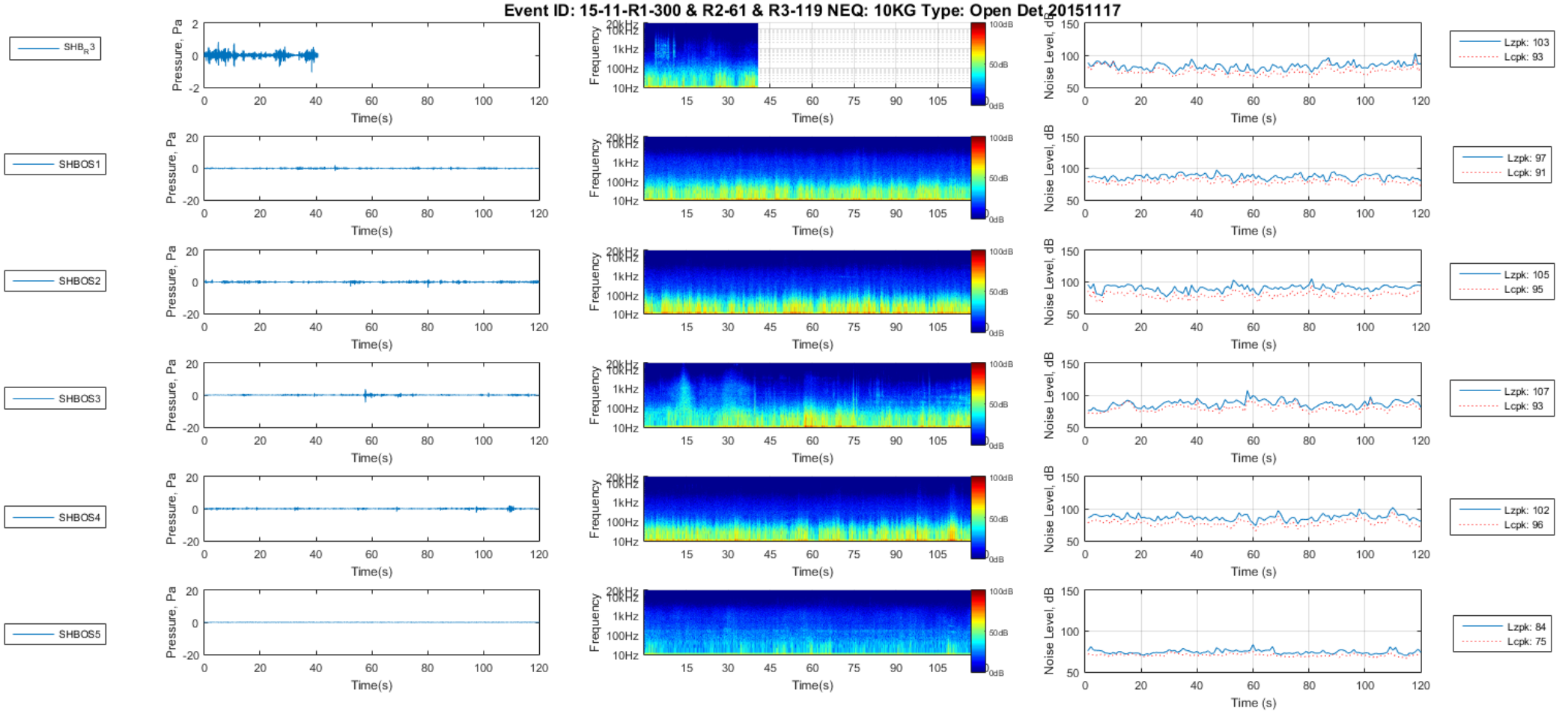


FIGURE 2.1736: SHB_OS 1 - 5 15-11-R1-300 & R2-61 & R3-119

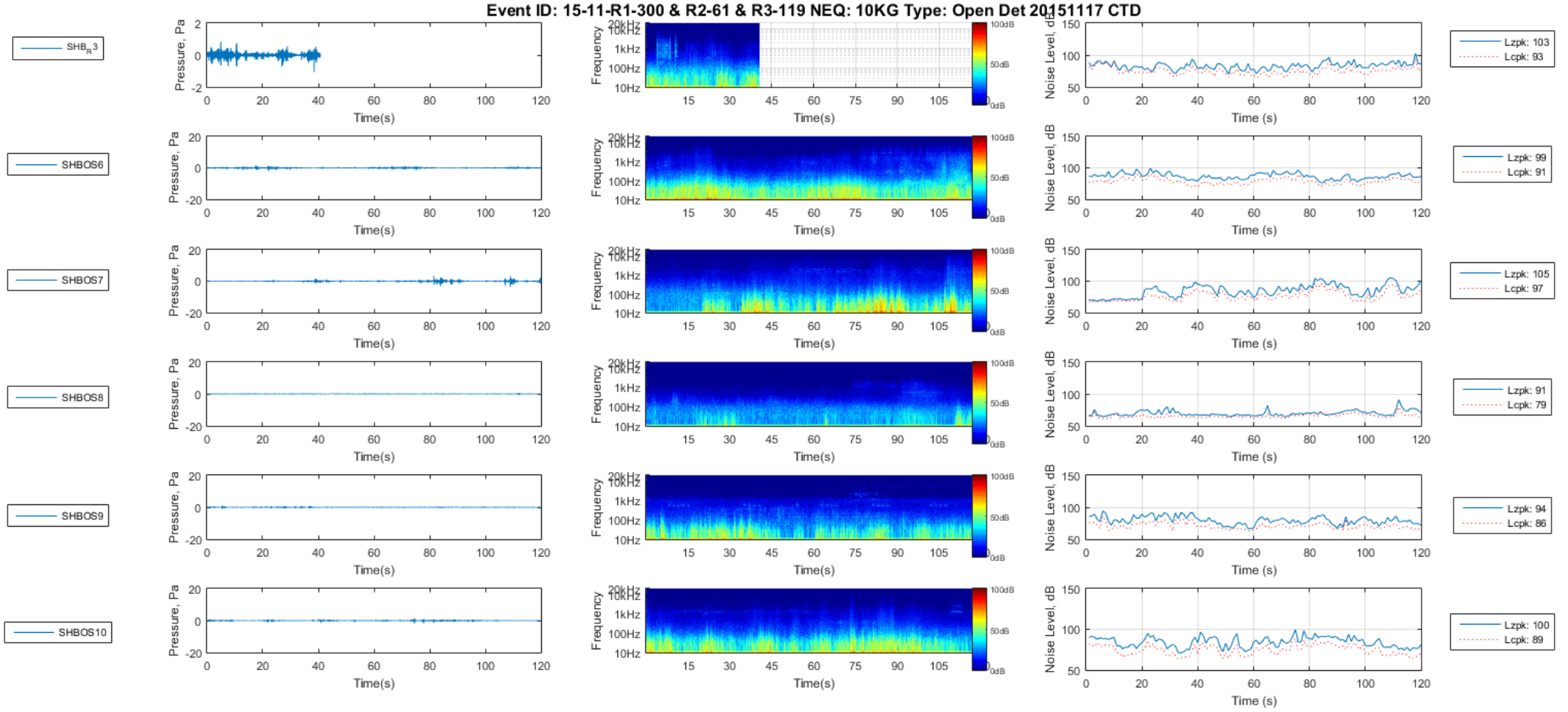


FIGURE 2.1737: SHB_OS 6 - 10 15-11-R1-300 & R2-61 & R3-119

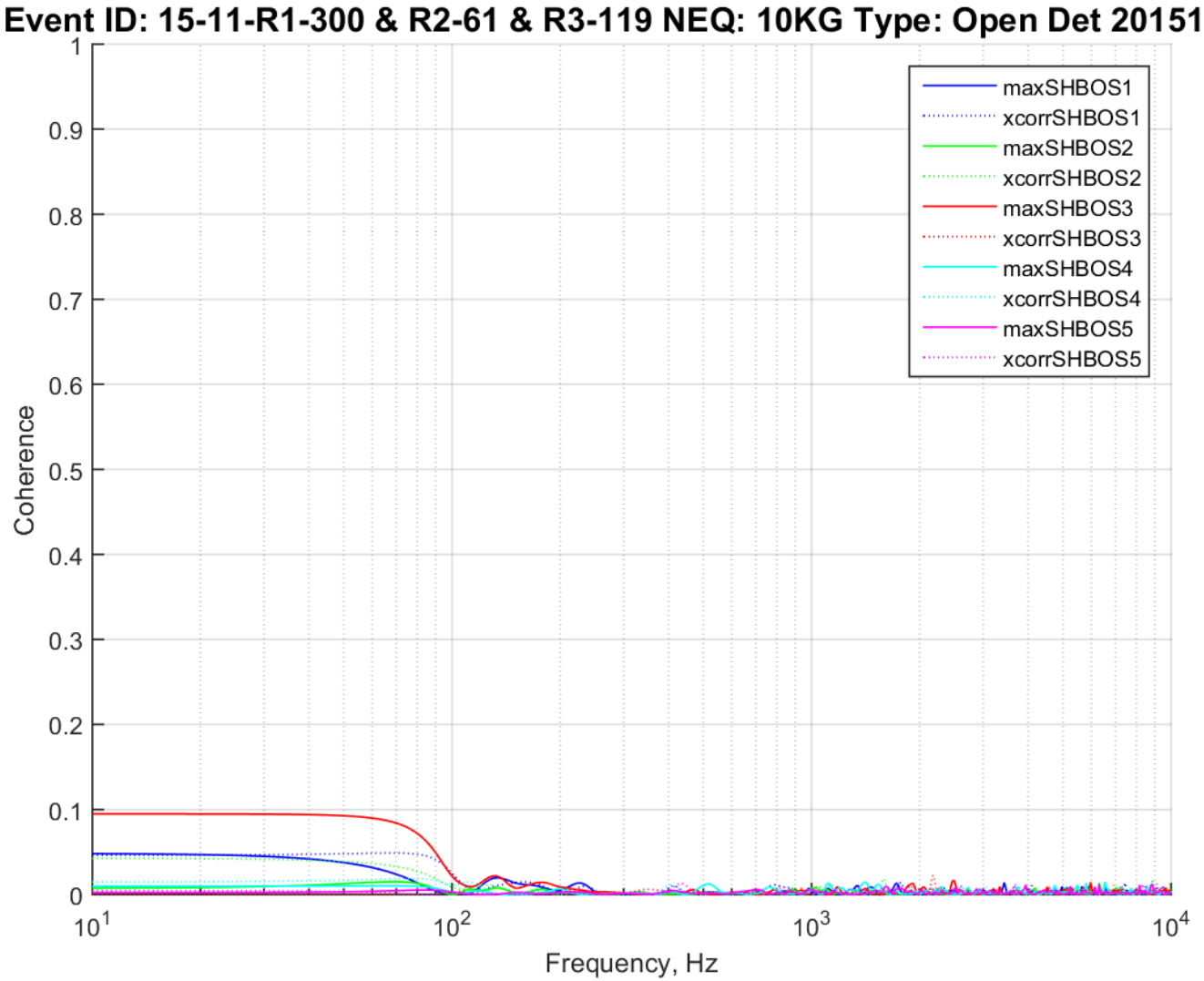


FIGURE 2.1738: COHERENCE SHB_OS 1 - 5 15-11-R1-300 & R2-61 & R3-119

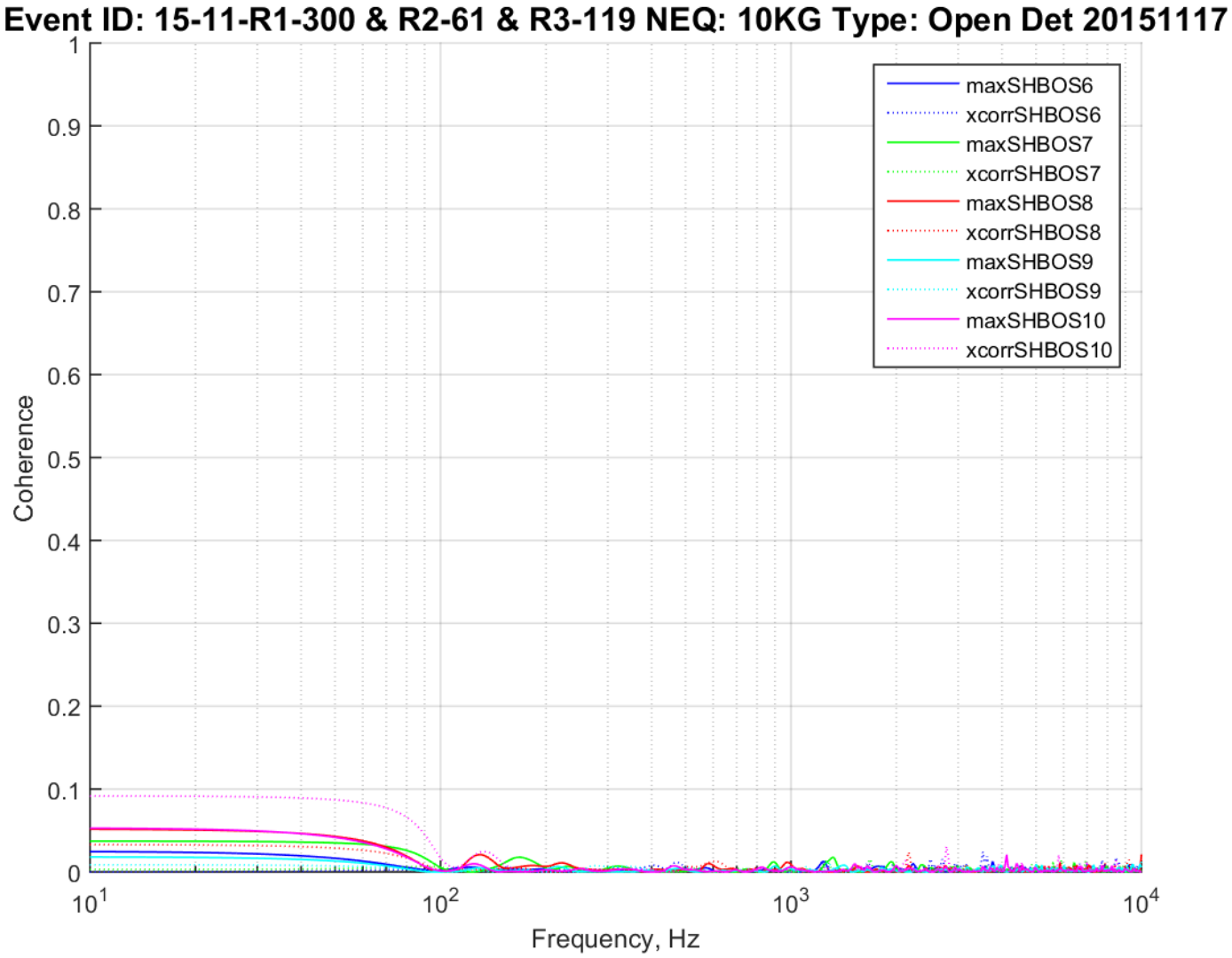


FIGURE 2.1739: COHERENCE SHB_OS 6 - 10 15-11-R1-300 & R2-61 & R3-119CTD

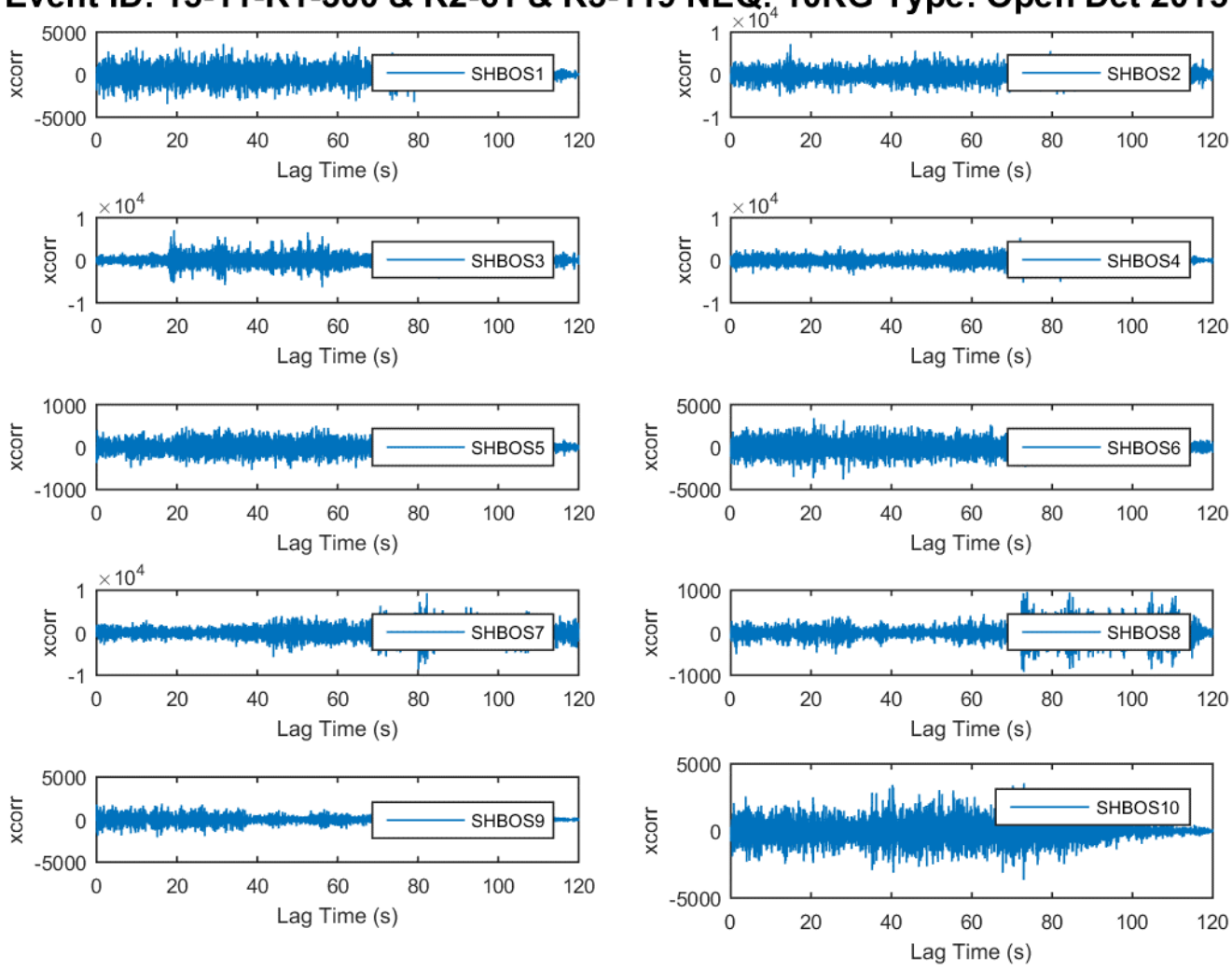


FIGURE 2.1740: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-300 & R2-61 & R3-119

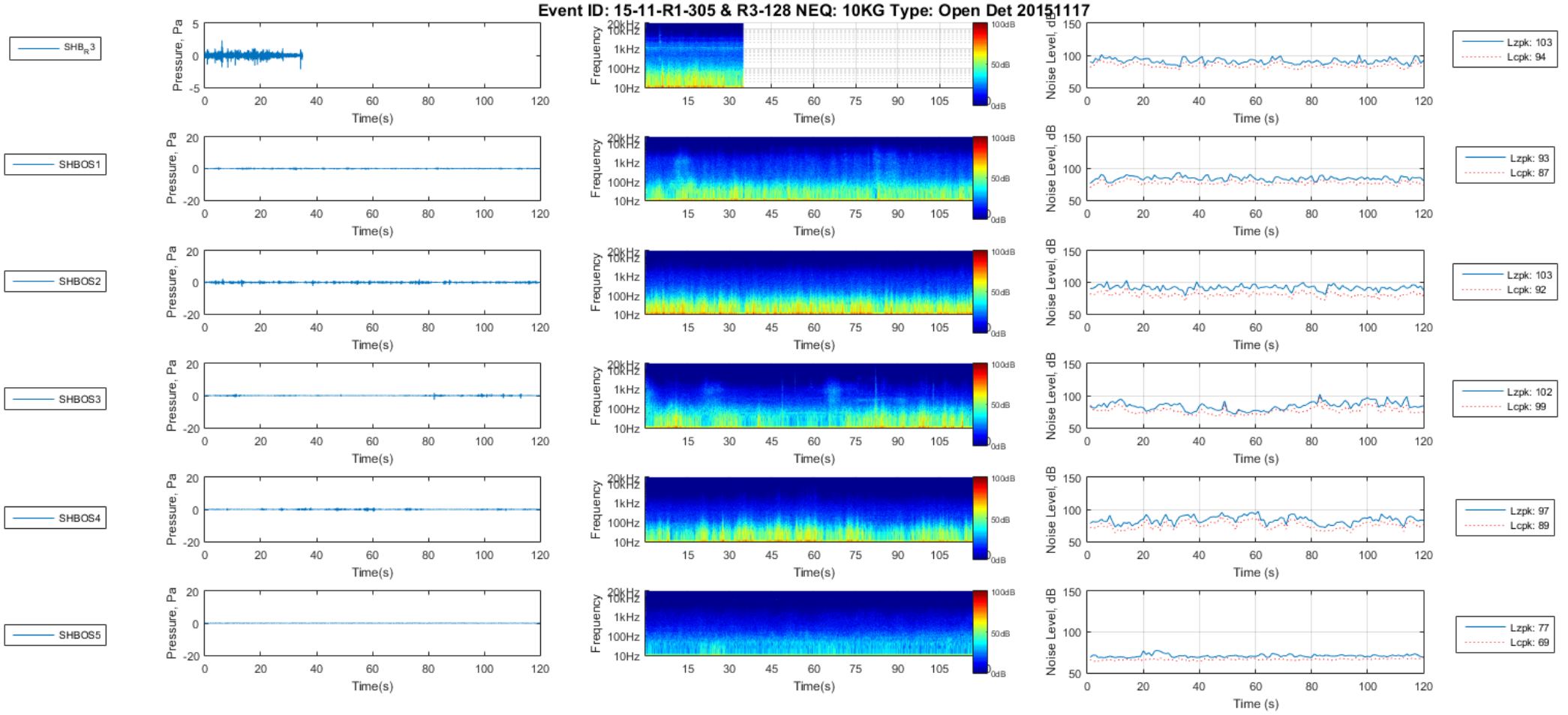


FIGURE 2.1741: SHB_OS 1 - 5 15-11-R1-305 & R3-128

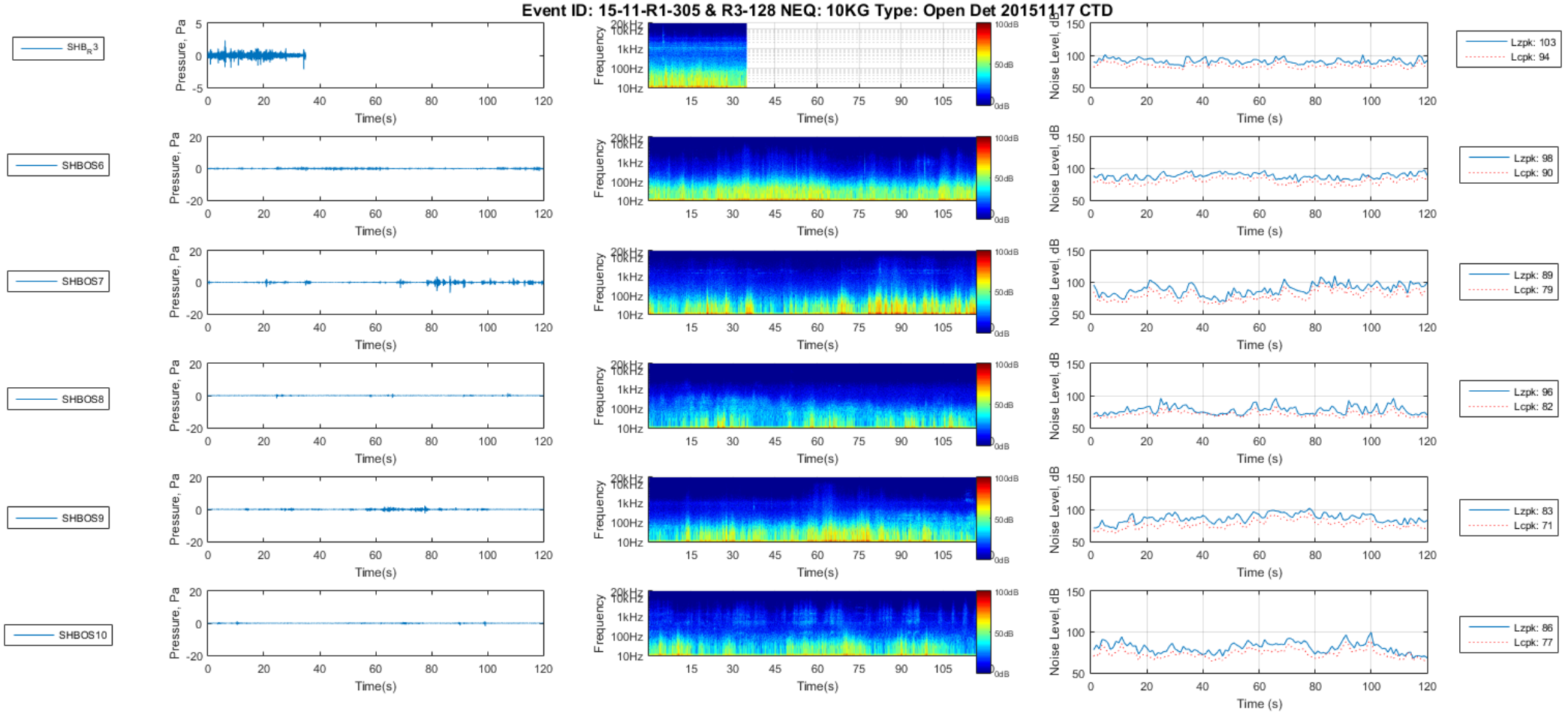


FIGURE 2.1742: SHB_OS 6 - 10 15-11-R1-305 & R3-128

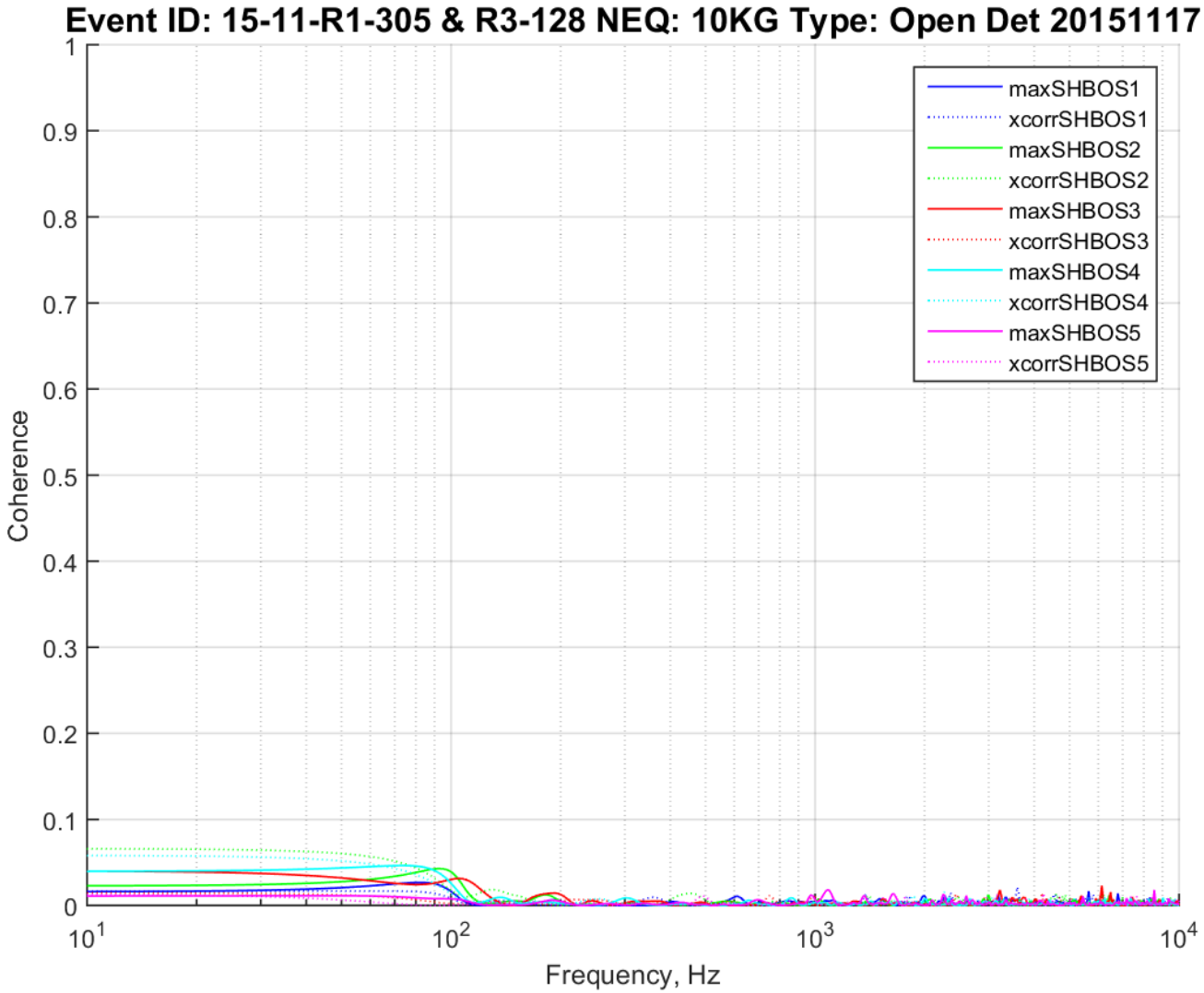


FIGURE 2.1743: COHERENCE SHB_OS 1 - 5 15-11-R1-305 & R3-128

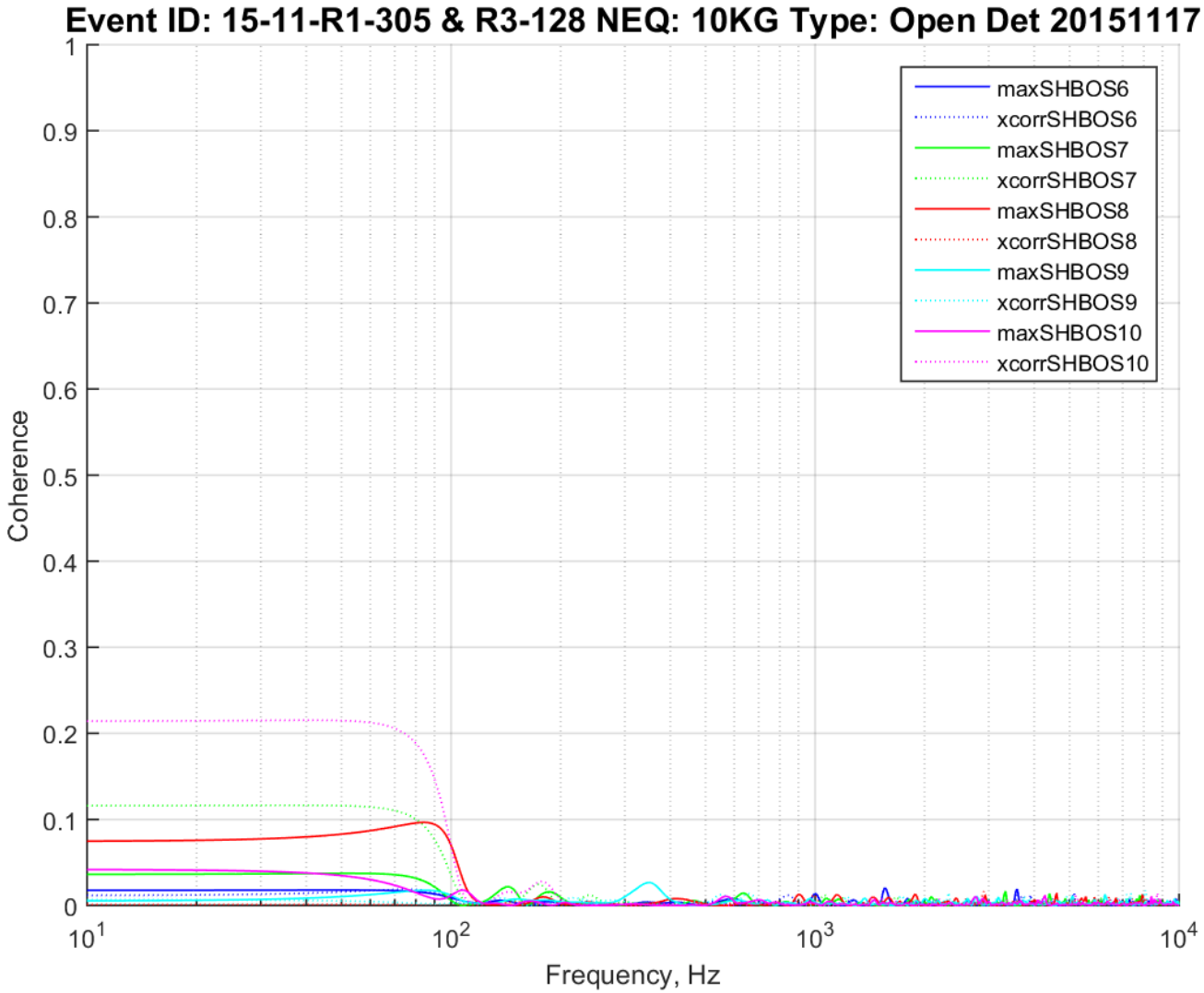


FIGURE 2.1744: COHERENCE SHB_OS 6 - 10 15-11-R1-305 & R3-128CTD

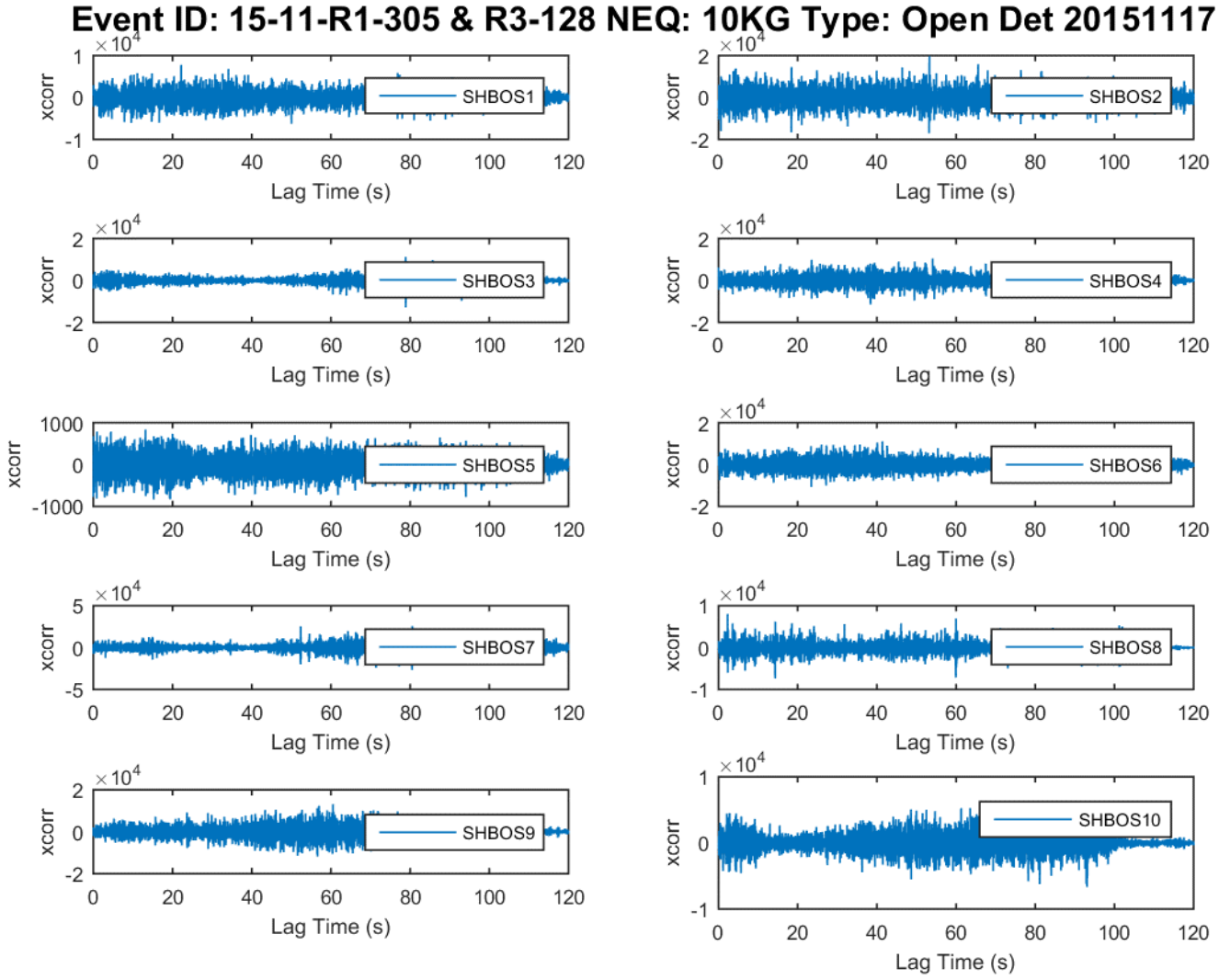


FIGURE 2.1745: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-305 & R3-128

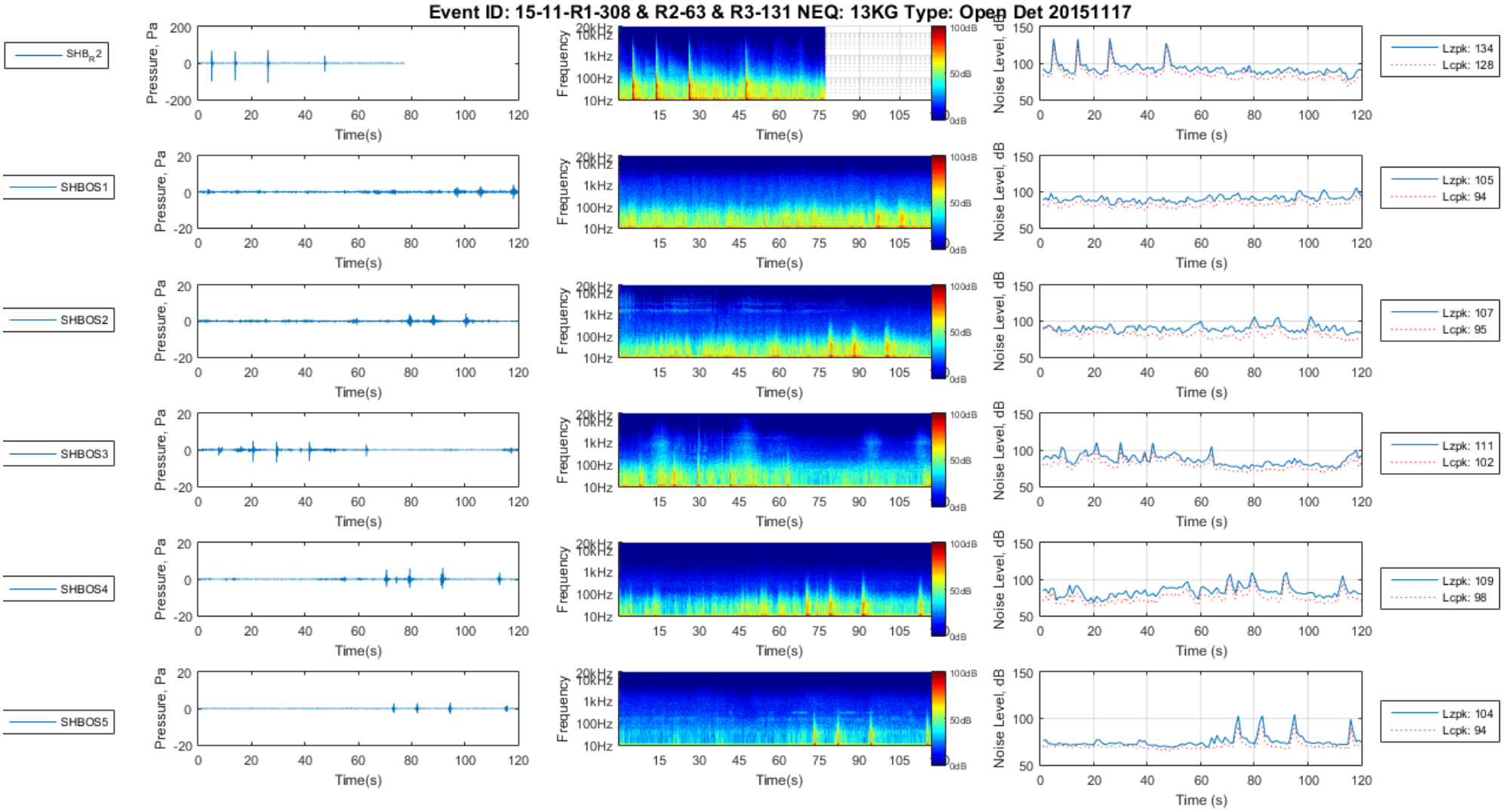


FIGURE 2.1746: SHB_OS 1 - 5 15-11-R1-308 & R2-63 & R3-131

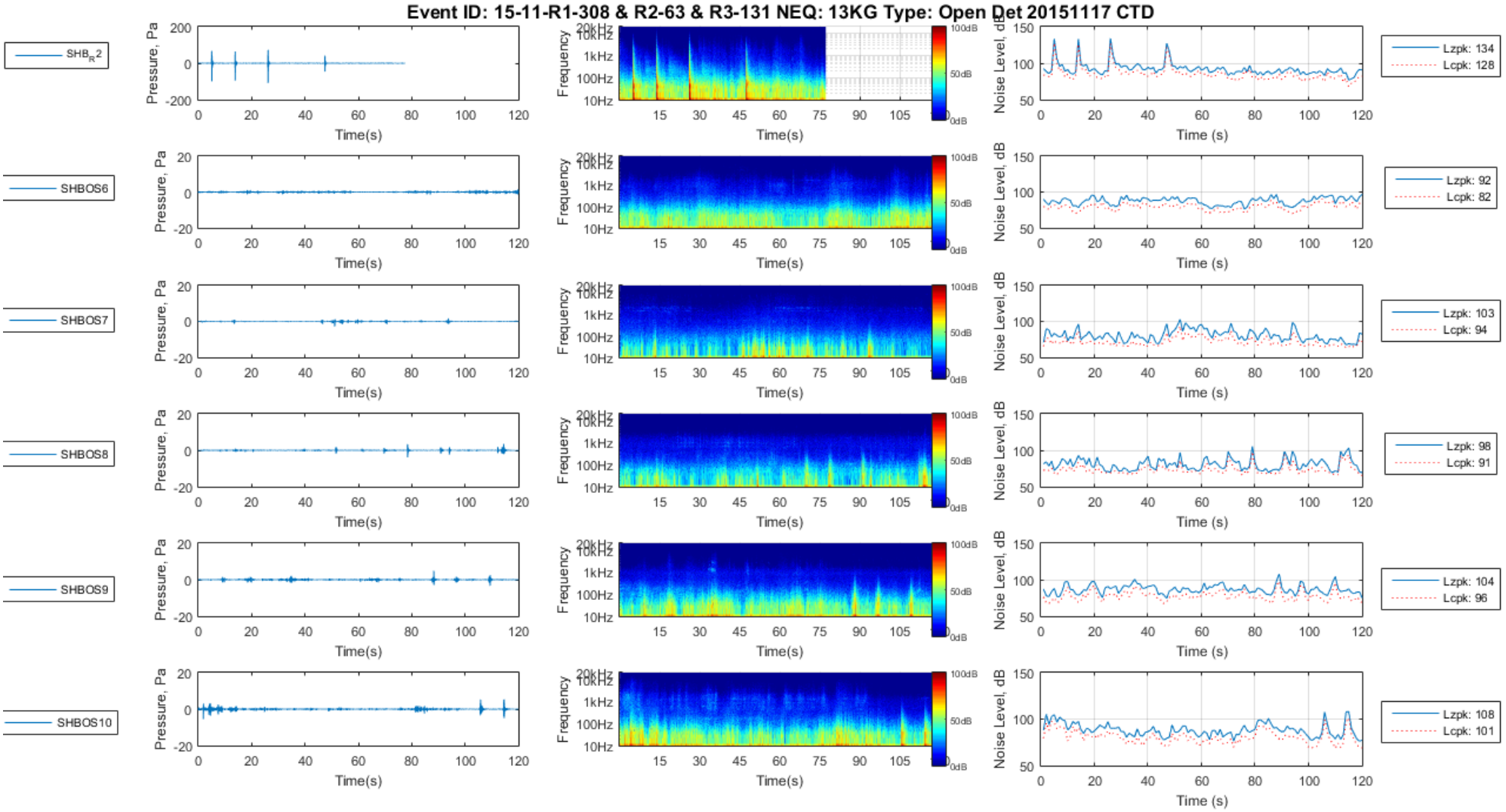


FIGURE 2.1747: SHB_OS 6 - 10 15-11-R1-308 & R2-63 & R3-131

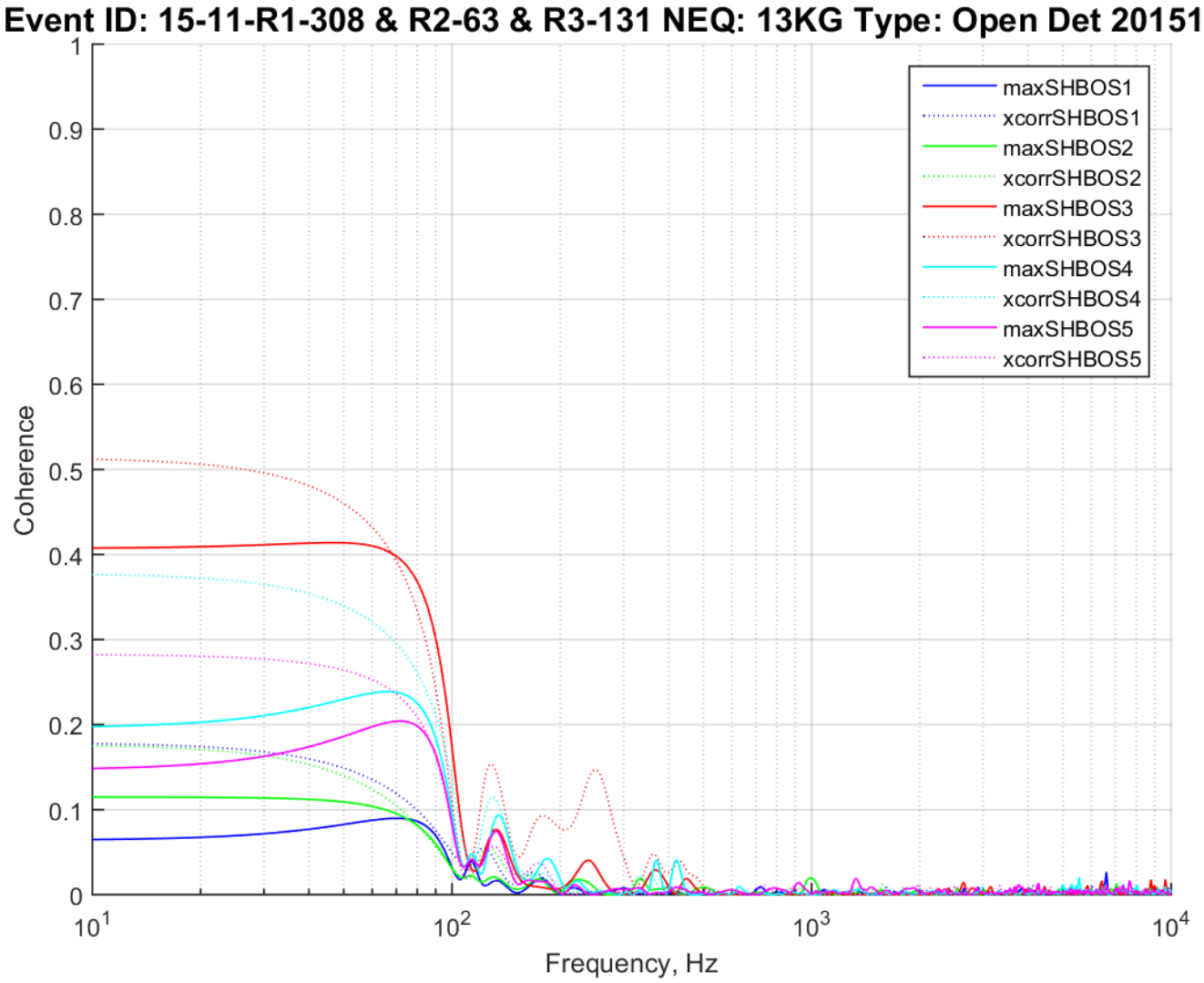


FIGURE 2.1748: COHERENCE SHB_OS 1 - 5 15-11-R1-308 & R2-63 & R3-131

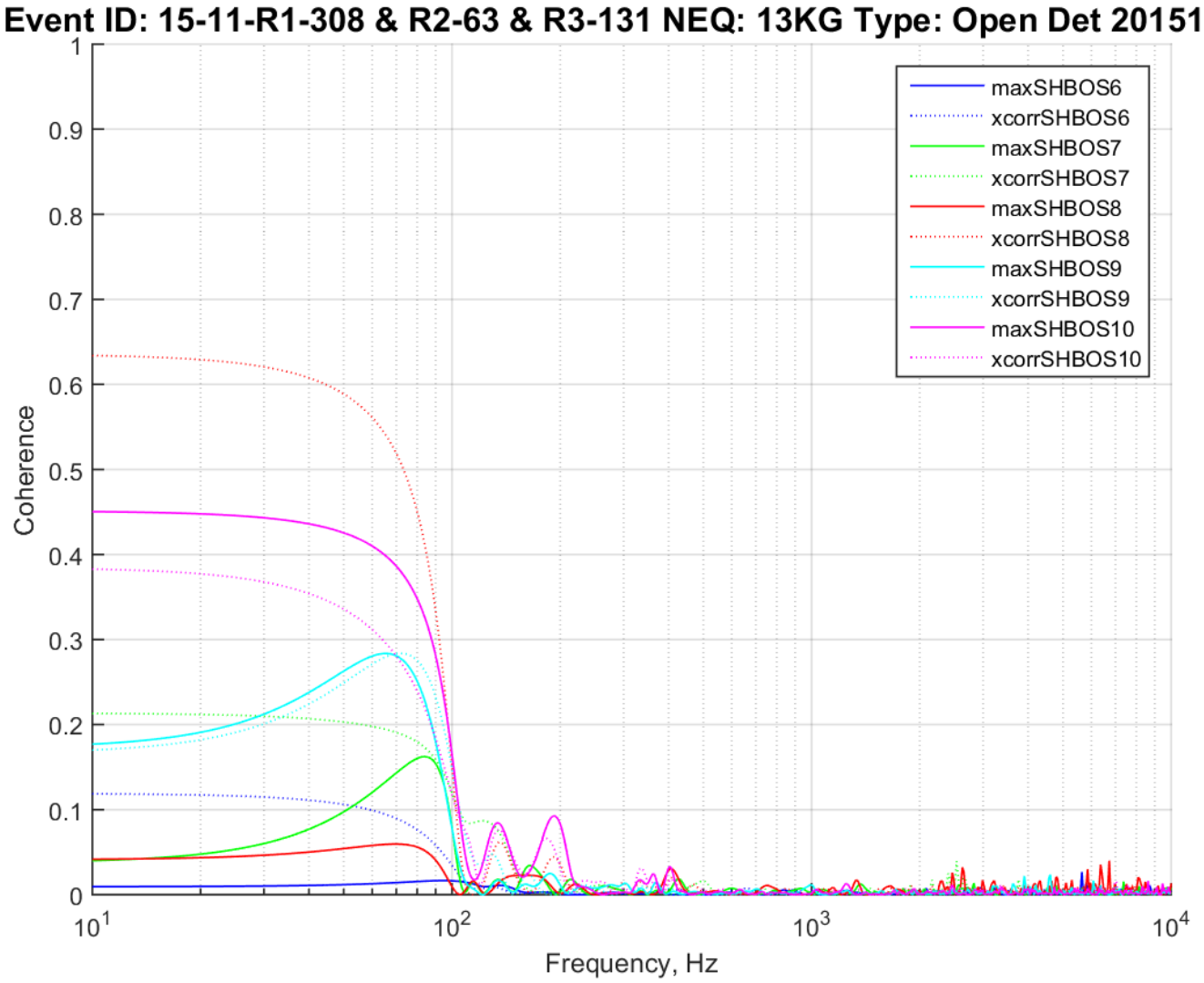


FIGURE 2.1749: COHERENCE SHB_OS 6 - 10 15-11-R1-308 & R2-63 & R3-131CTD

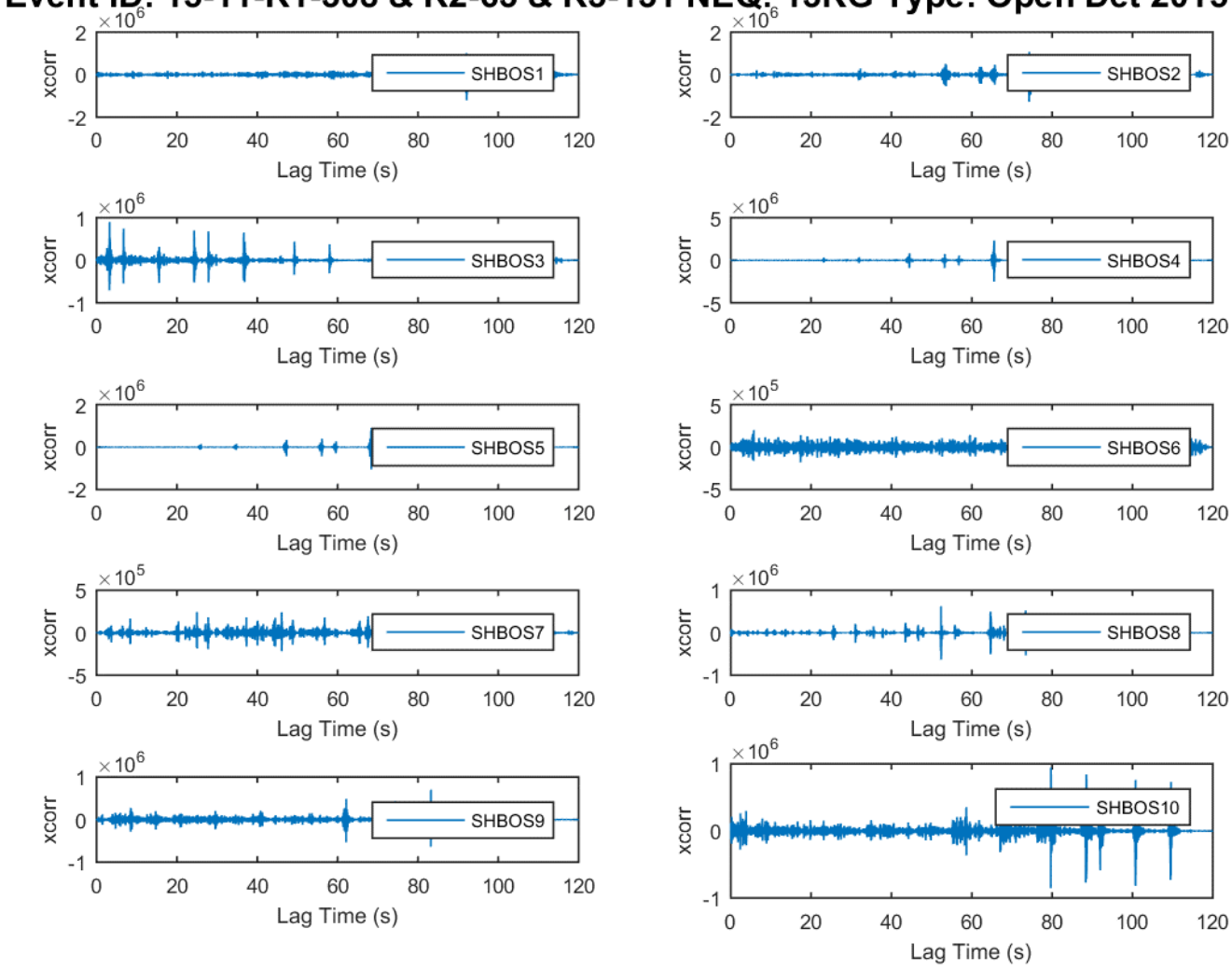


FIGURE 2.1750: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-308 & R2-63 & R3-131

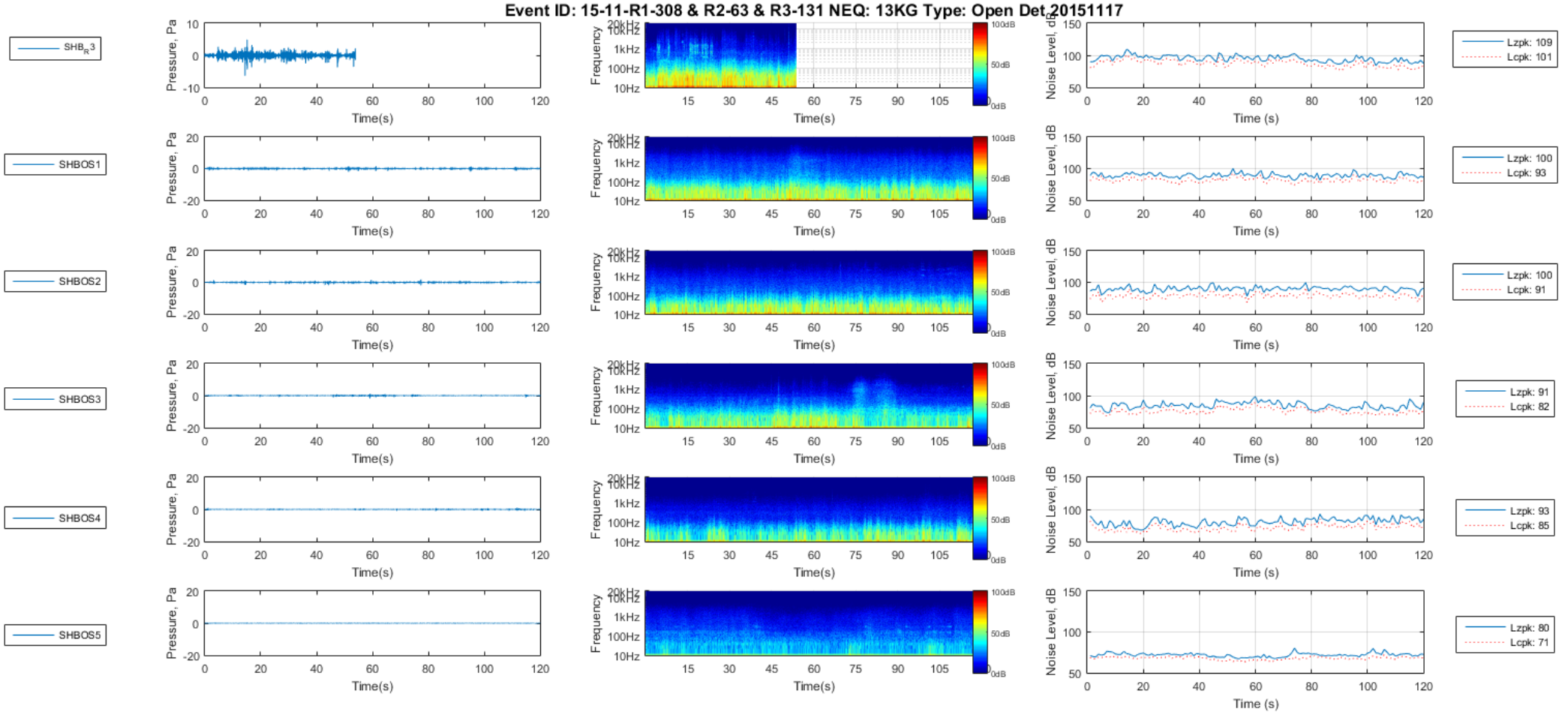


FIGURE 2.1751: SHB_OS 1 - 5 15-11-R1-308 & R2-63 & R3-131

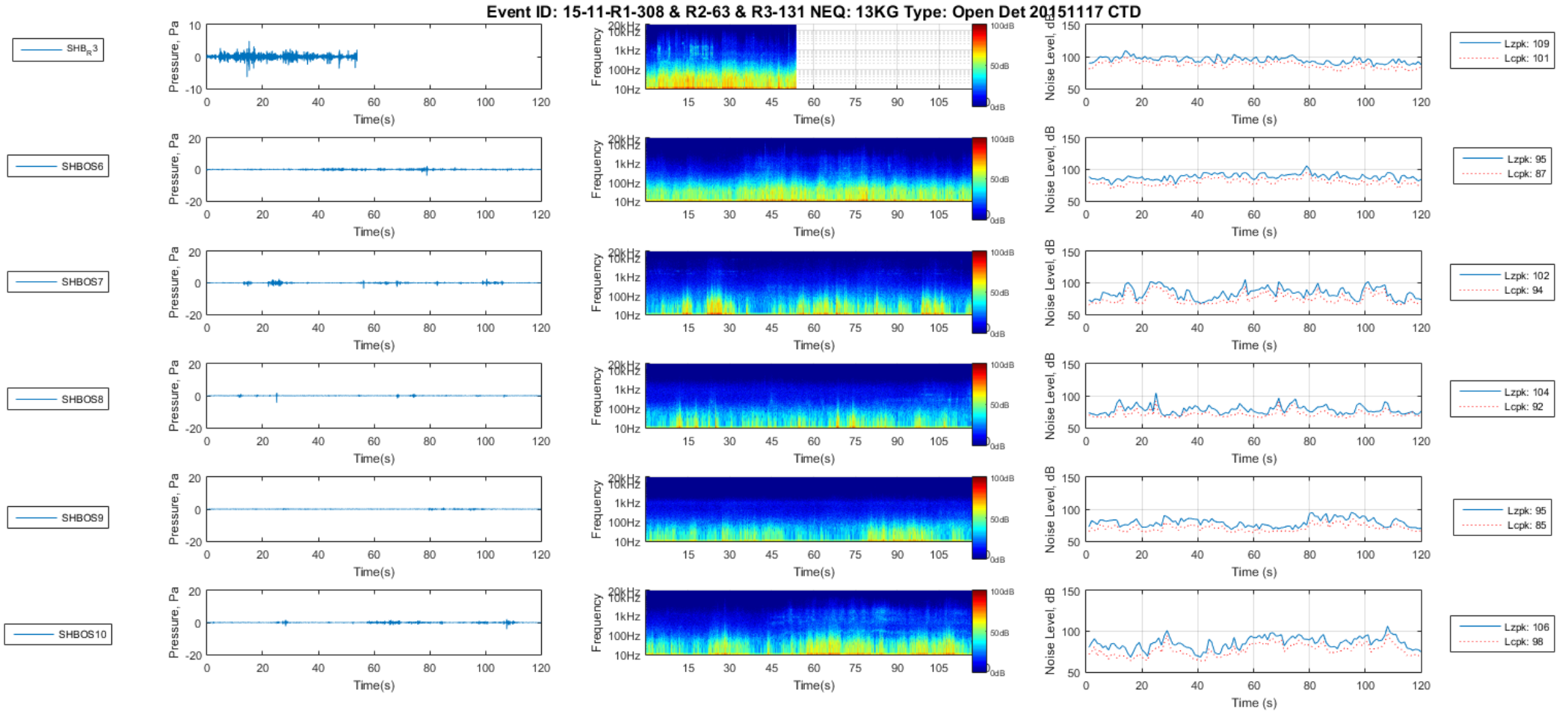


FIGURE 2.1752: SHB_OS 6 - 10 15-11-R1-308 & R2-63 & R3-131

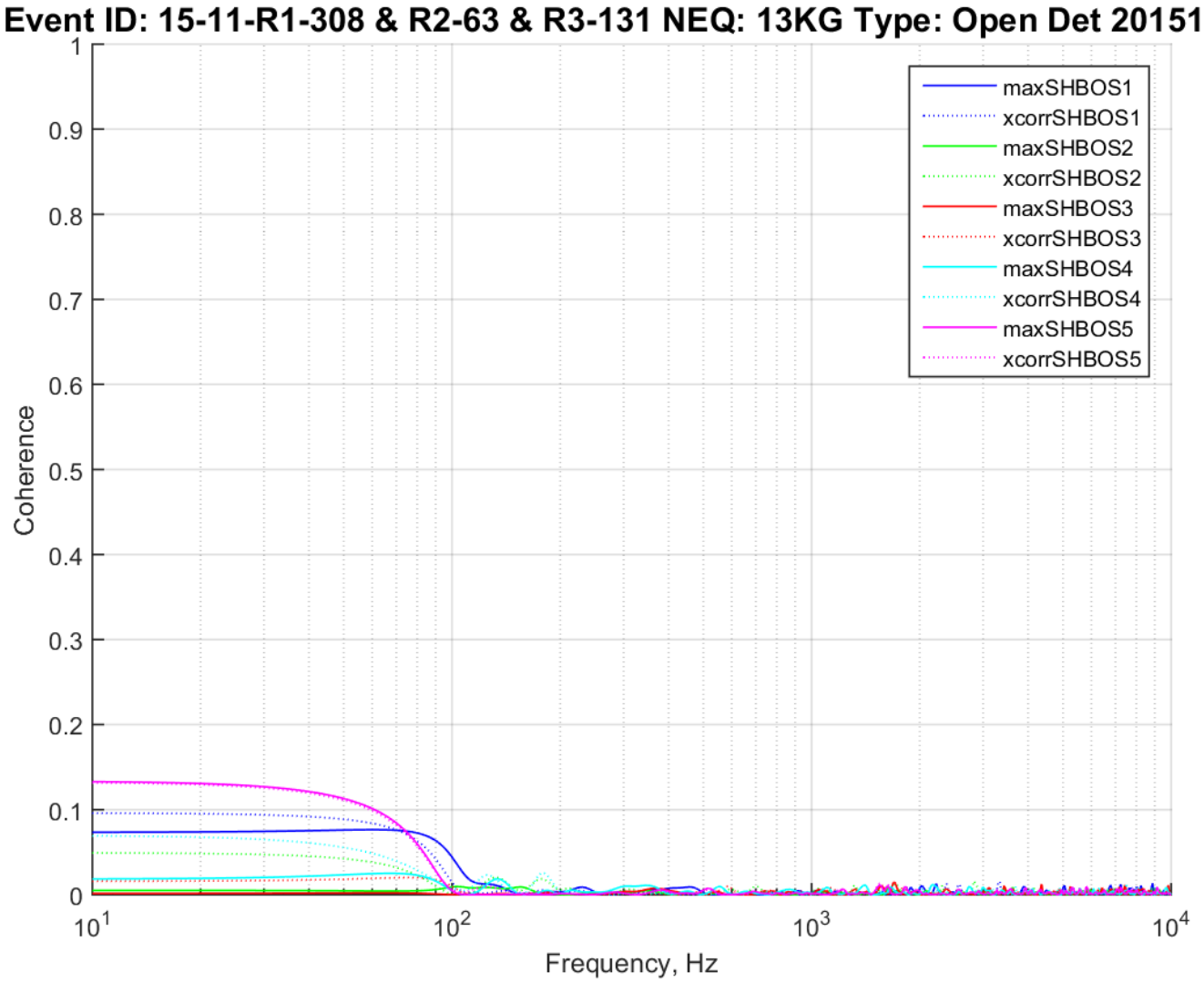


FIGURE 2.1753: COHERENCE SHB_OS 1 - 5 15-11-R1-308 & R2-63 & R3-131

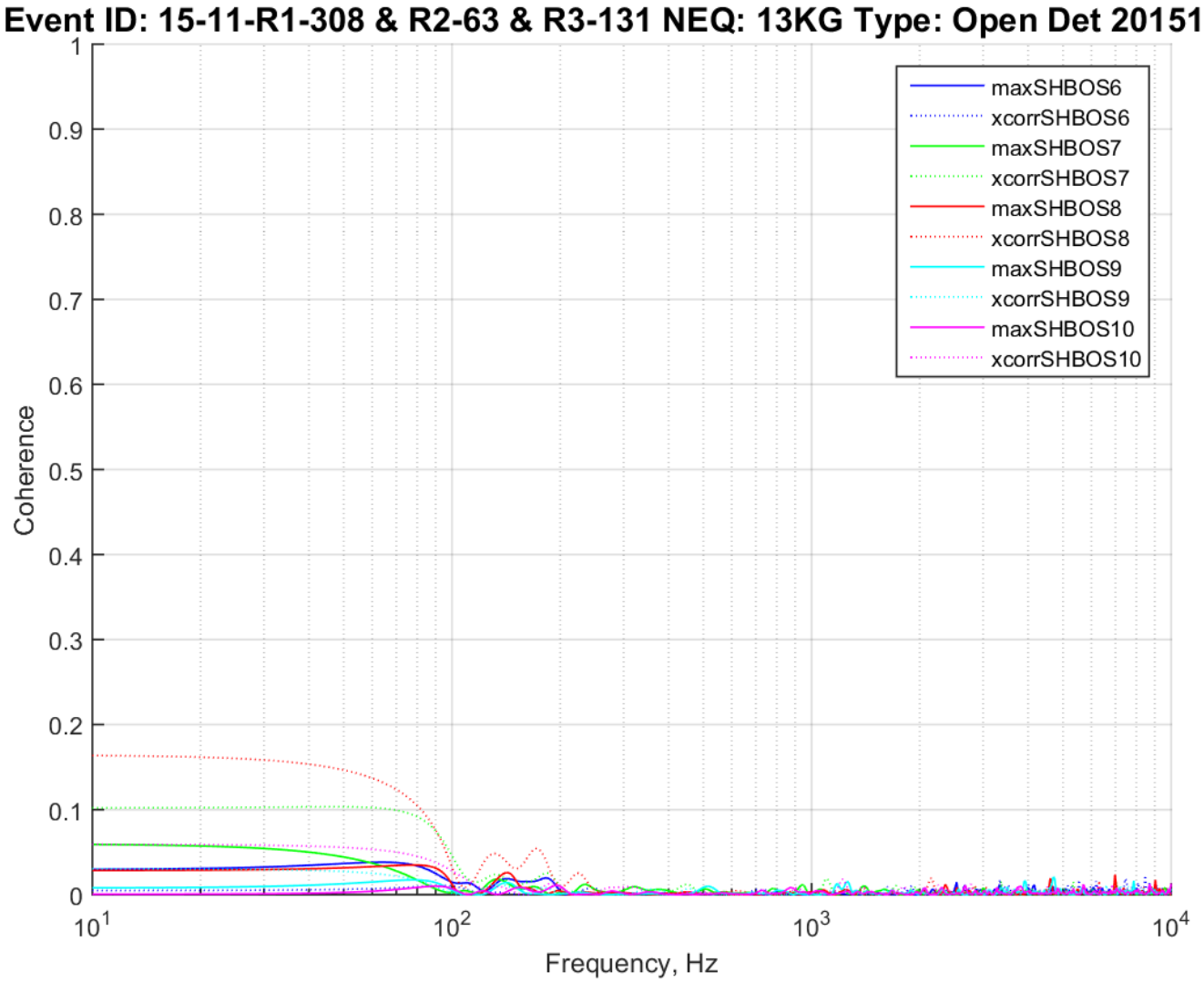


FIGURE 2.1754: COHERENCE SHB_OS 6 - 10 15-11-R1-308 & R2-63 & R3-131CTD

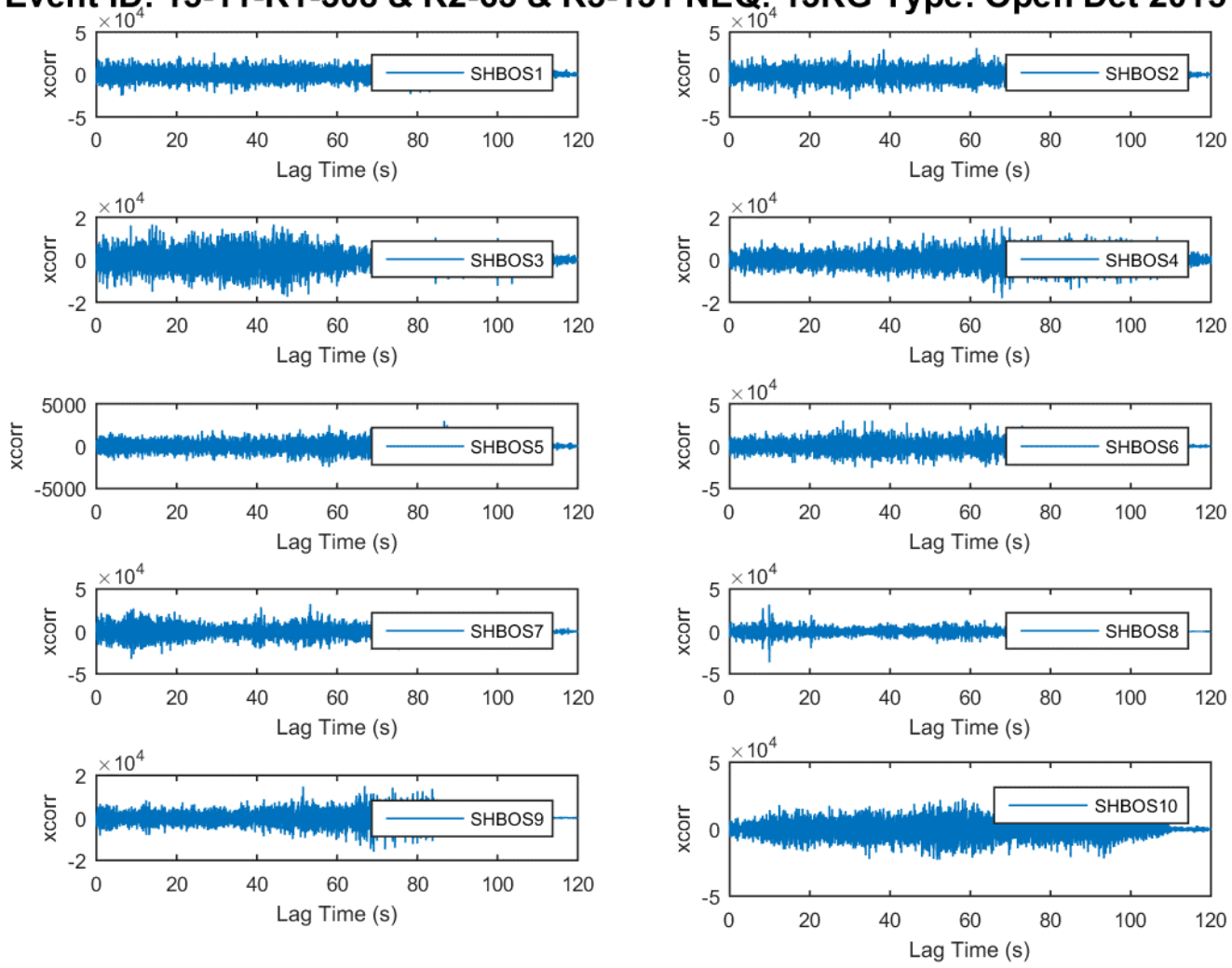


FIGURE 2.1755: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-308 & R2-63 & R3-131

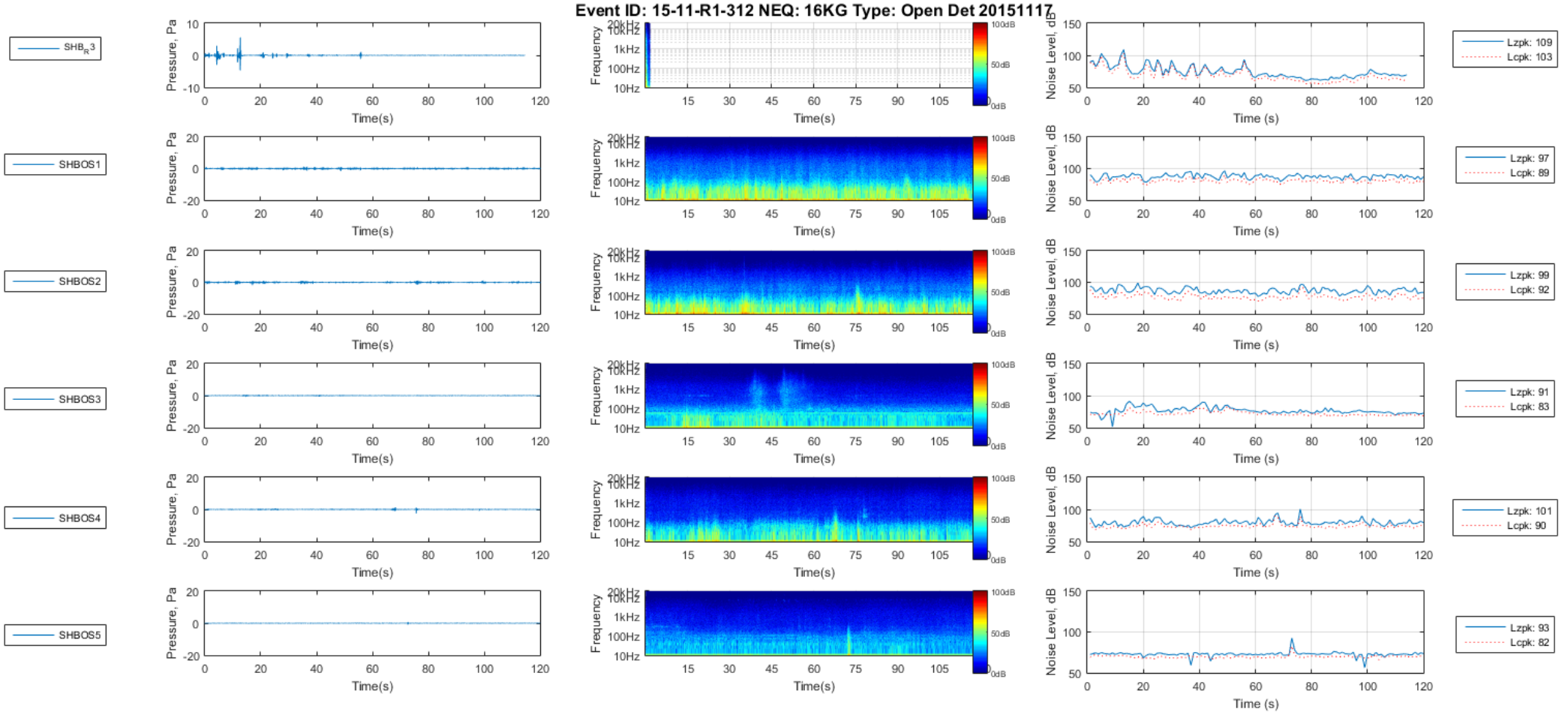


FIGURE 2.1756: SHB_OS 1 - 5 15-11-R1-312

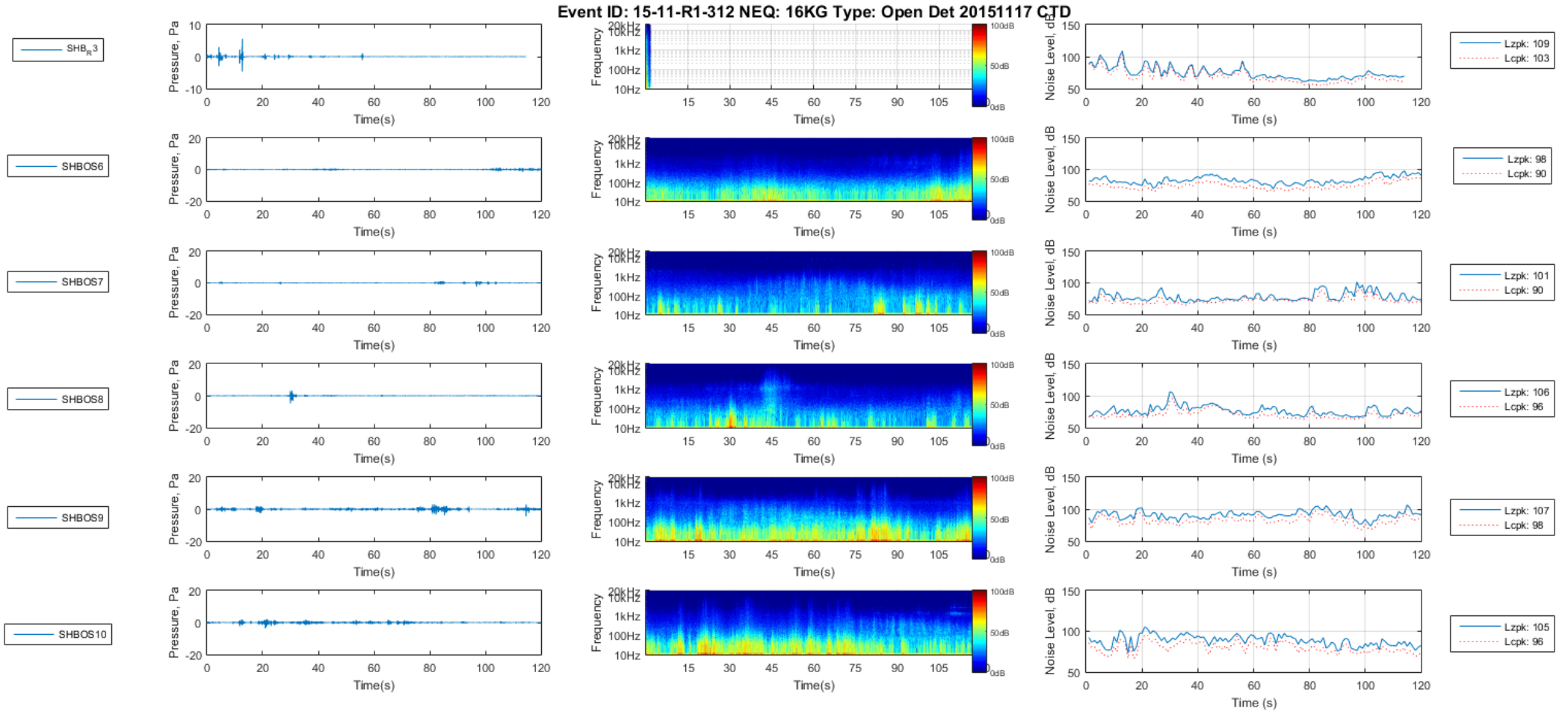


FIGURE 2.1757: SHB_OS 6 - 10 15-11-R1-312

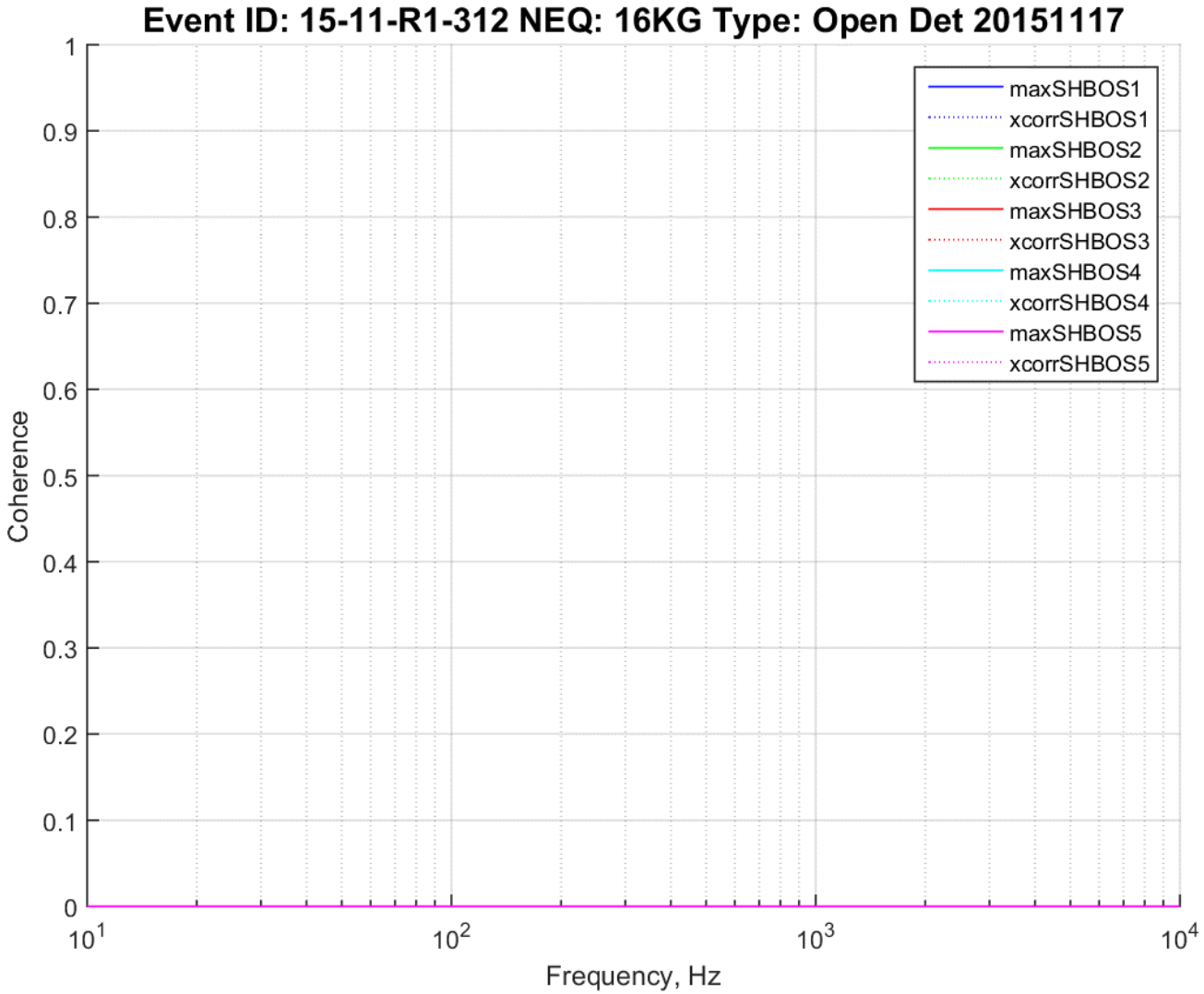


FIGURE 2.1758: COHERENCE SHB_OS 1 - 5 15-11-R1-312

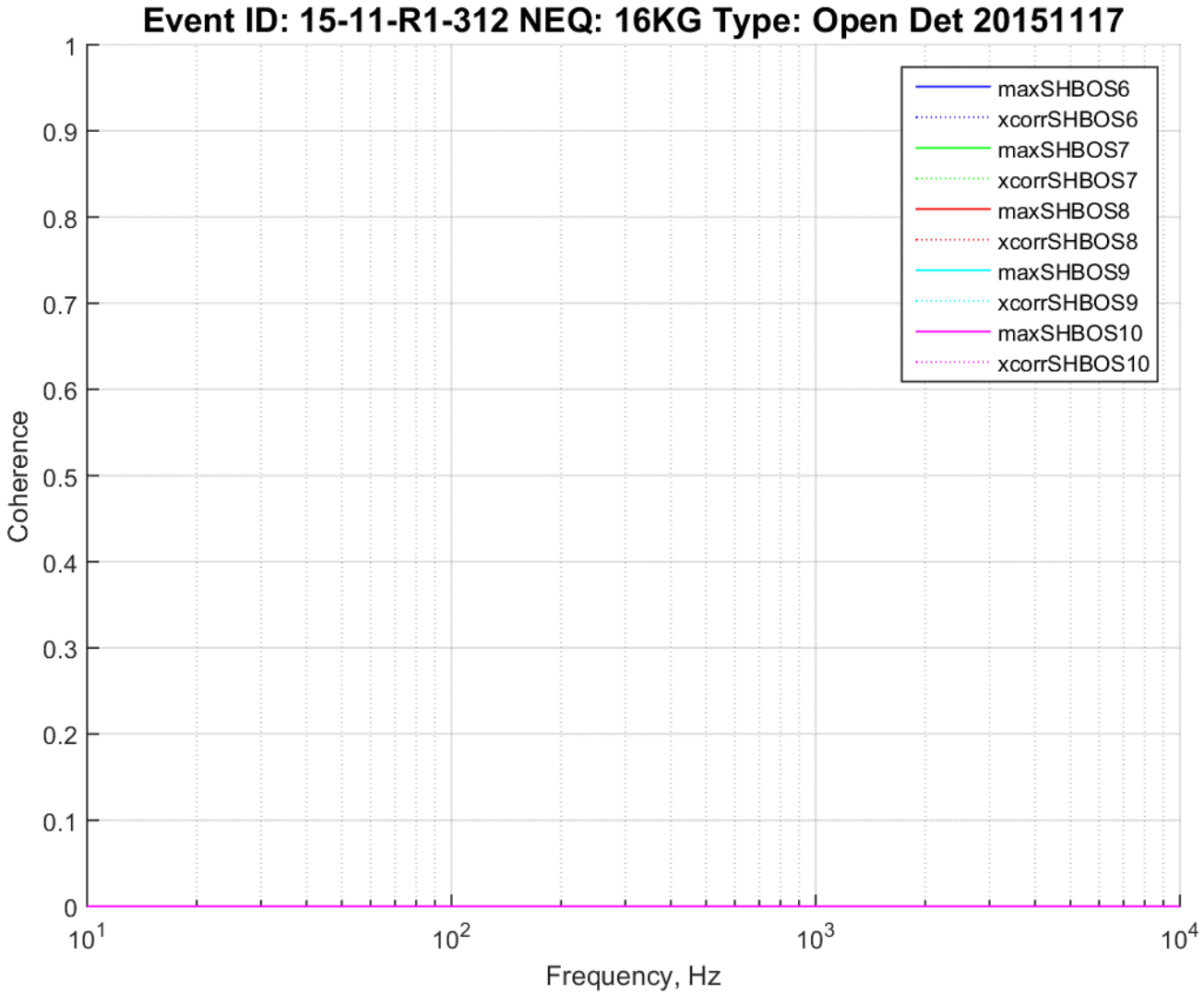


FIGURE 2.1759: COHERENCE SHB_OS 6 - 10 15-11-R1-312CTD

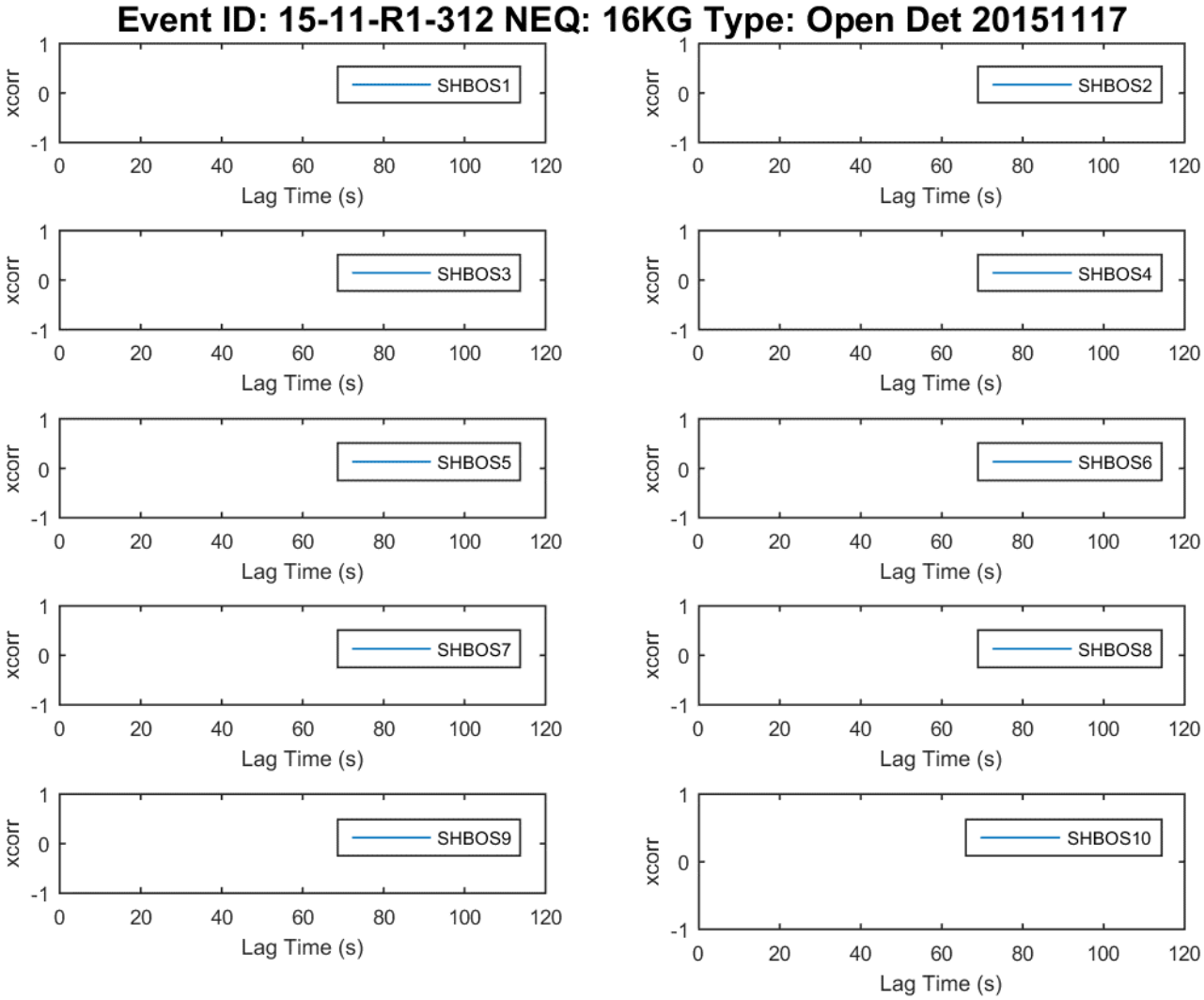
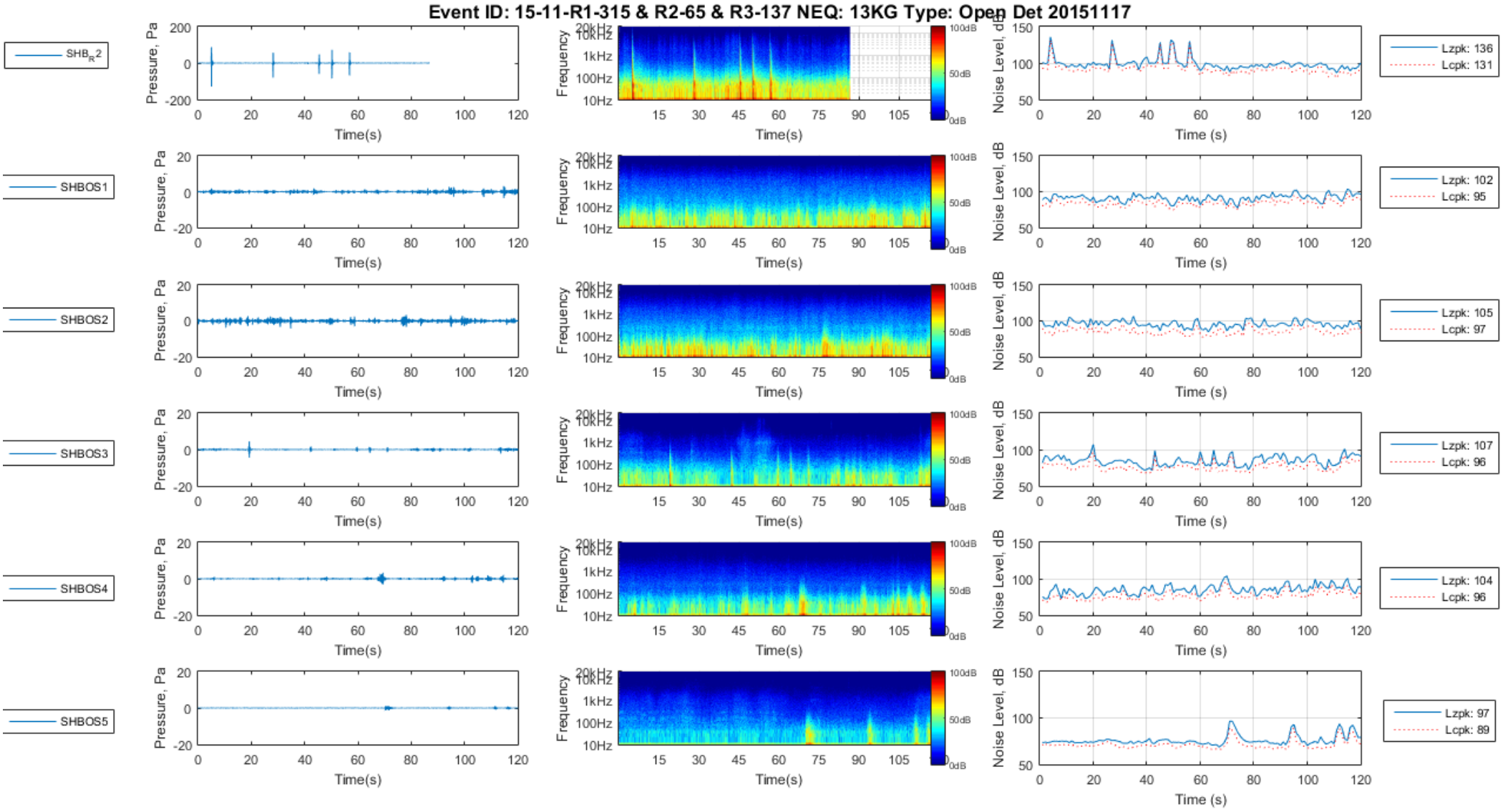
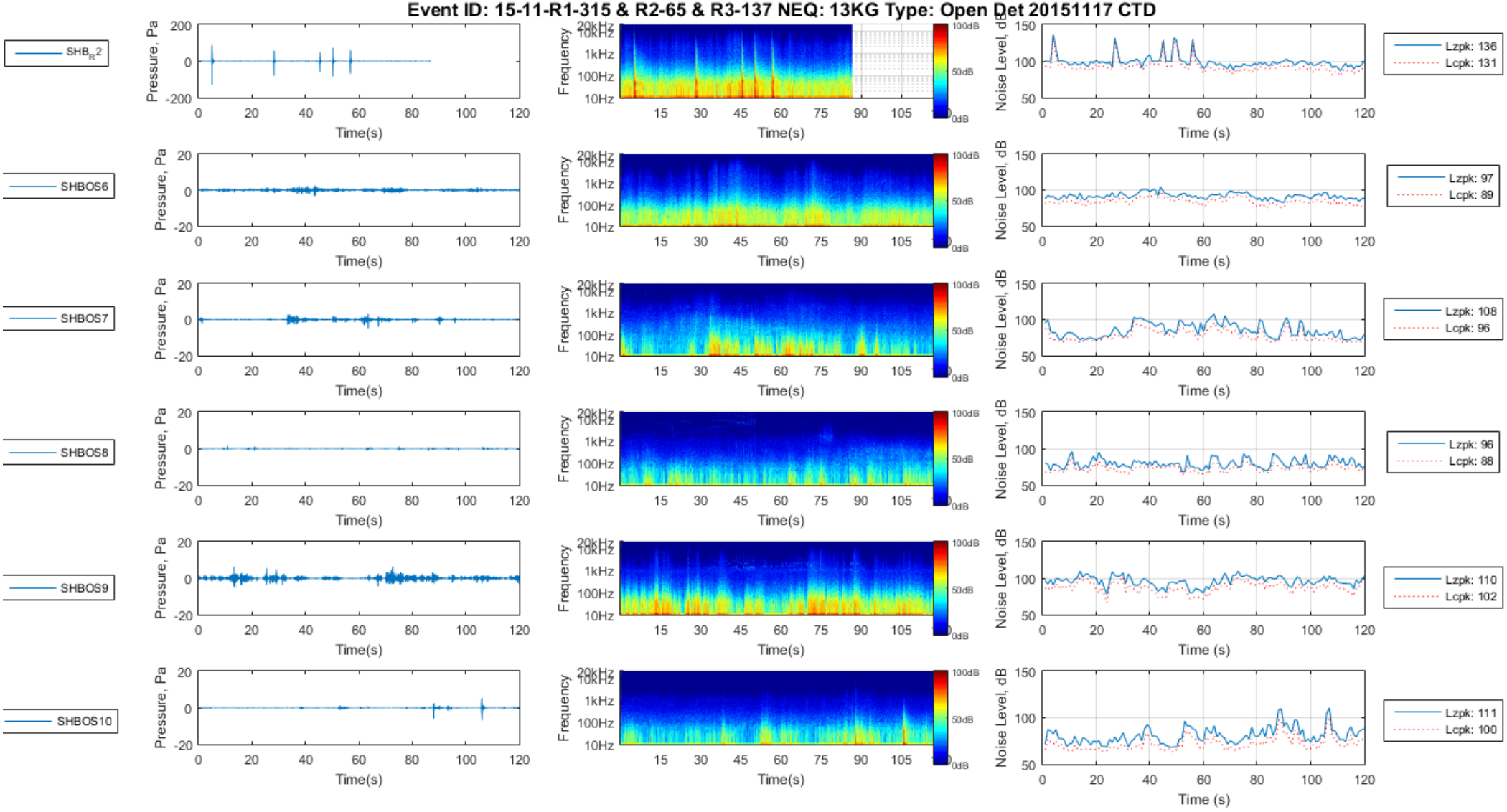


FIGURE 2.1760: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-312


Event ID: 15-11-R1-315 & R2-65 & R3-137 NEQ: 13KG Type: Open Det 20151117
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Frequency
Noise Level, dB
Time(s)
Time (s)
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Lzpk: 136
Lcpk: 131
Lzpk: 102
Lcpk: 95
Lzpk: 105
Lcpk: 97
Lzpk: 107
Lcpk: 96
Lzpk: 104
Lcpk: 96
Lzpk: 97
Lcpk: 89


Event ID: 15-11-R1-315 & R2-65 & R3-137 NEQ: 13KG Type: Open Det 20151117 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 136
Lcpk: 131
Lzpk: 97
Lcpk: 89
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Lcpk: 88
Lzpk: 110
Lcpk: 102
Lzpk: 111
Lcpk: 100

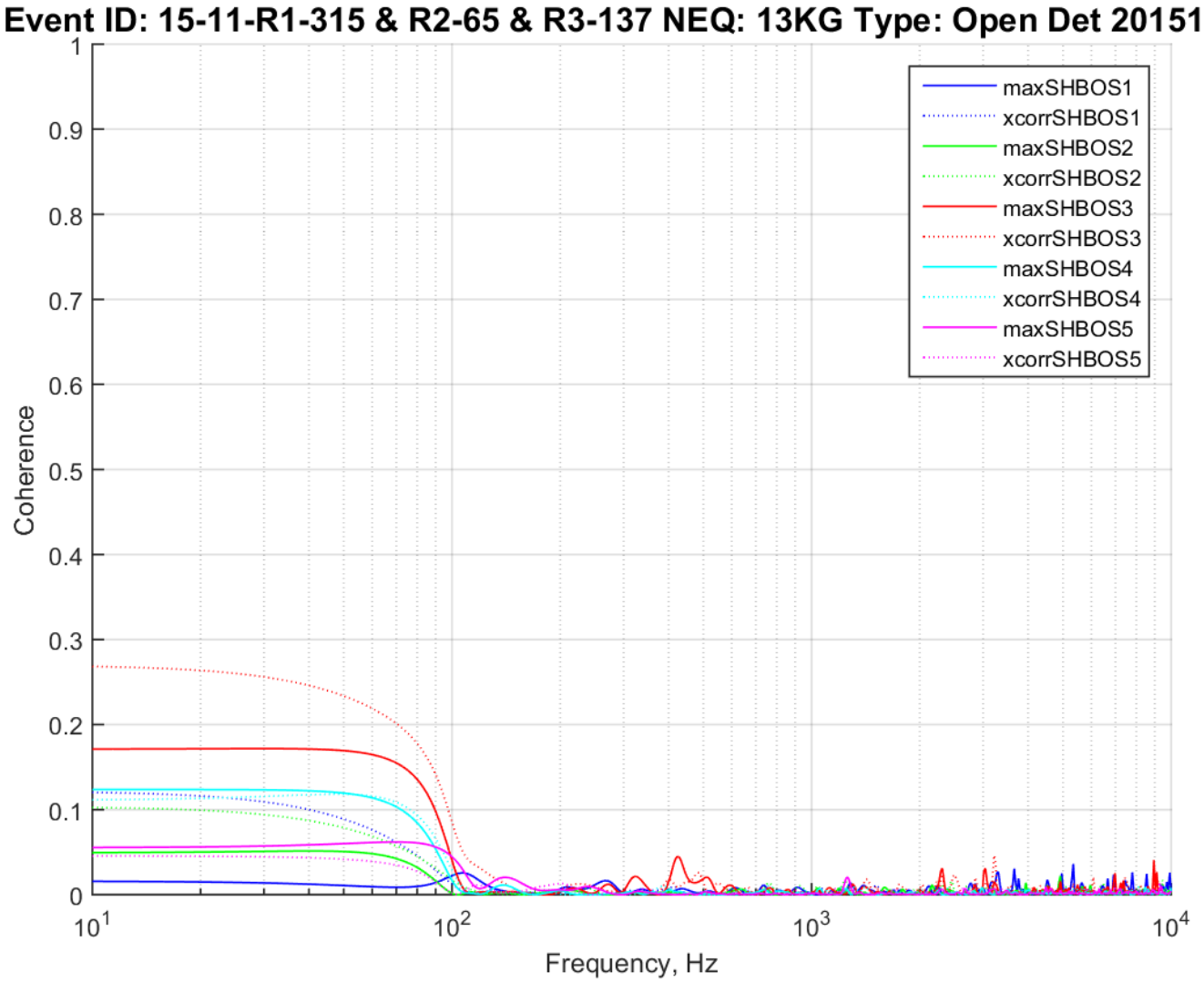


FIGURE 2.1763: COHERENCE SHB_OS 1 - 5 15-11-R1-315 & R2-65 & R3-137

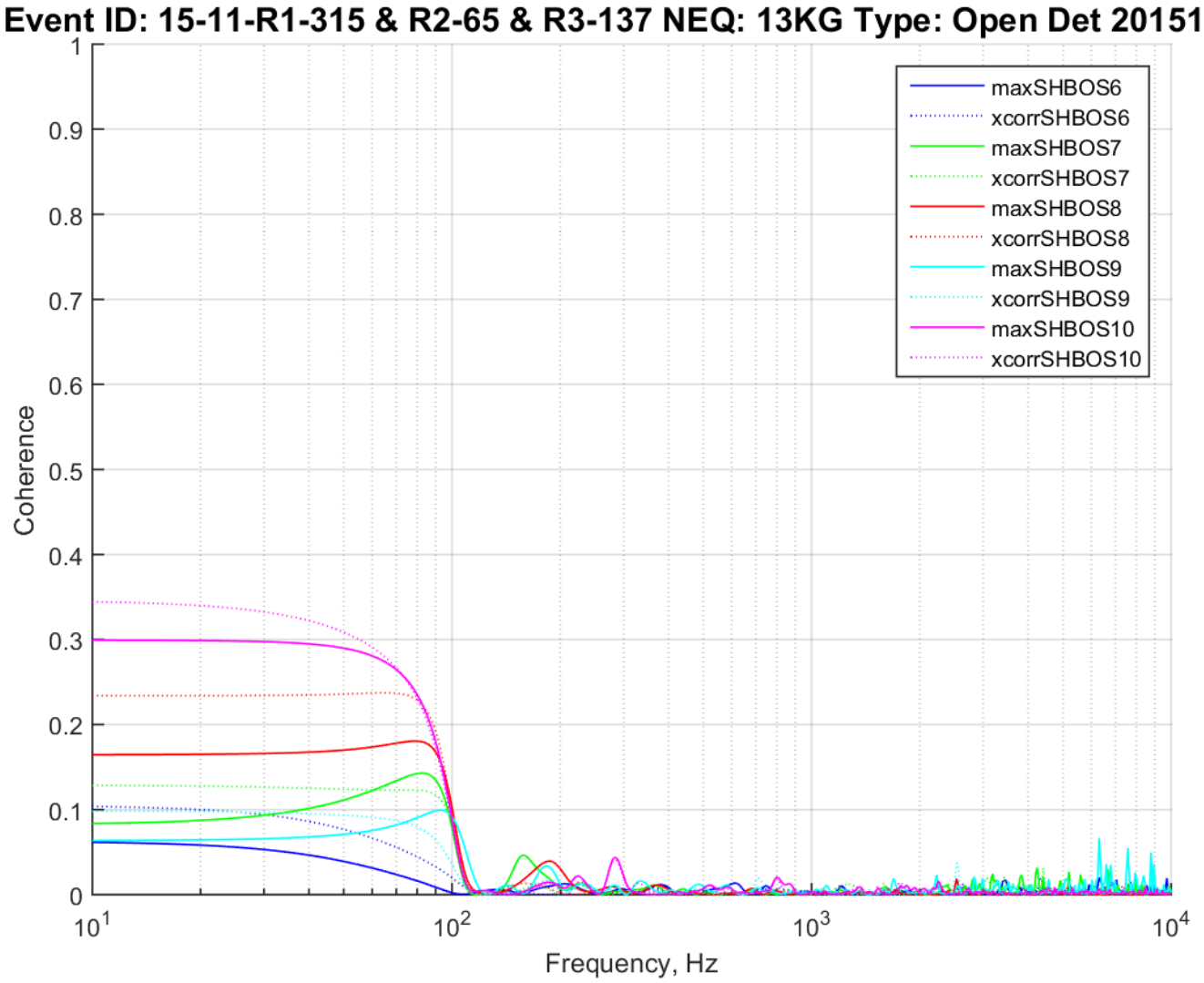


FIGURE 2.1764: COHERENCE SHB_OS 6 - 10 15-11-R1-315 & R2-65 & R3-137CTD

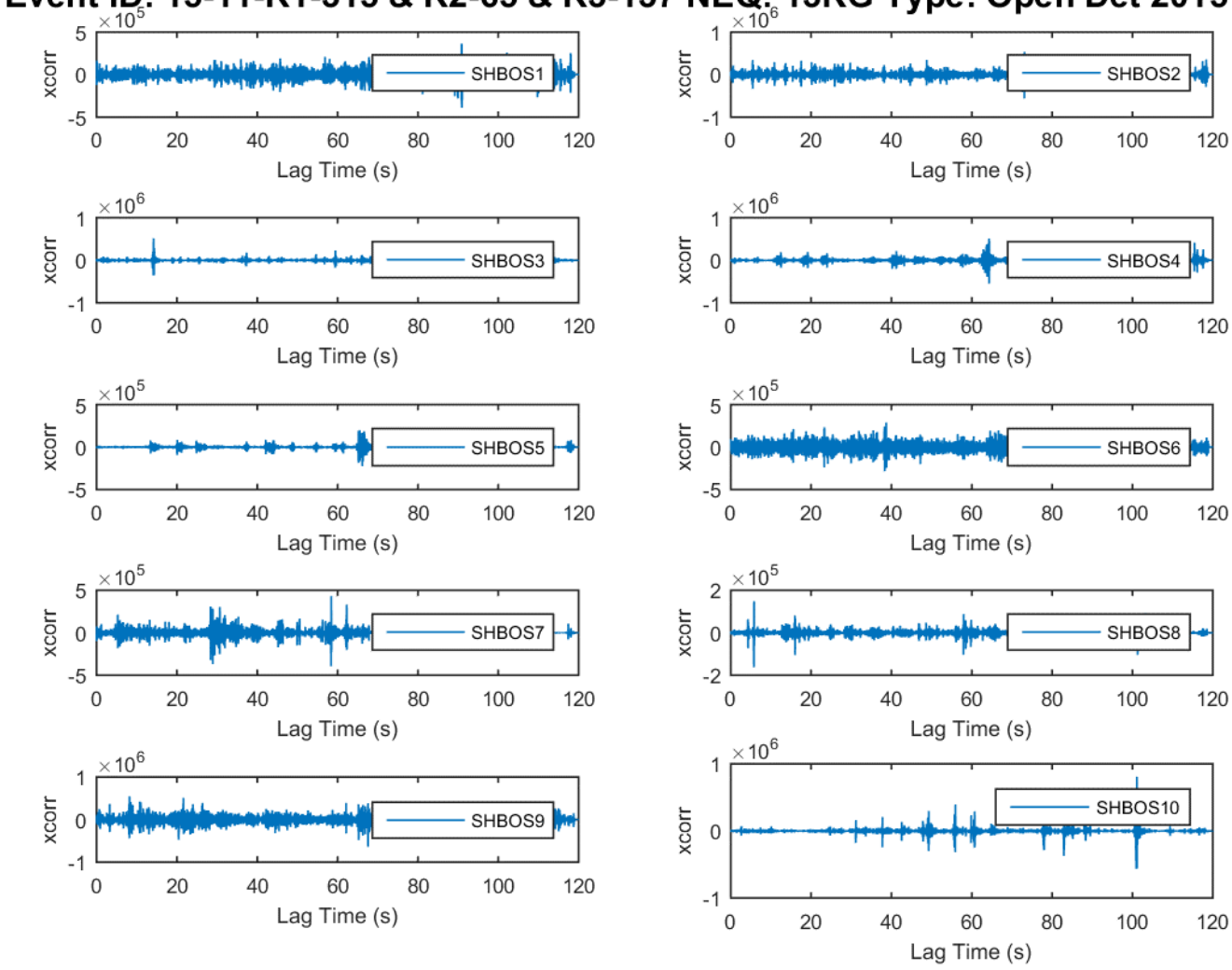


FIGURE 2.1765: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-315 & R2-65 & R3-137

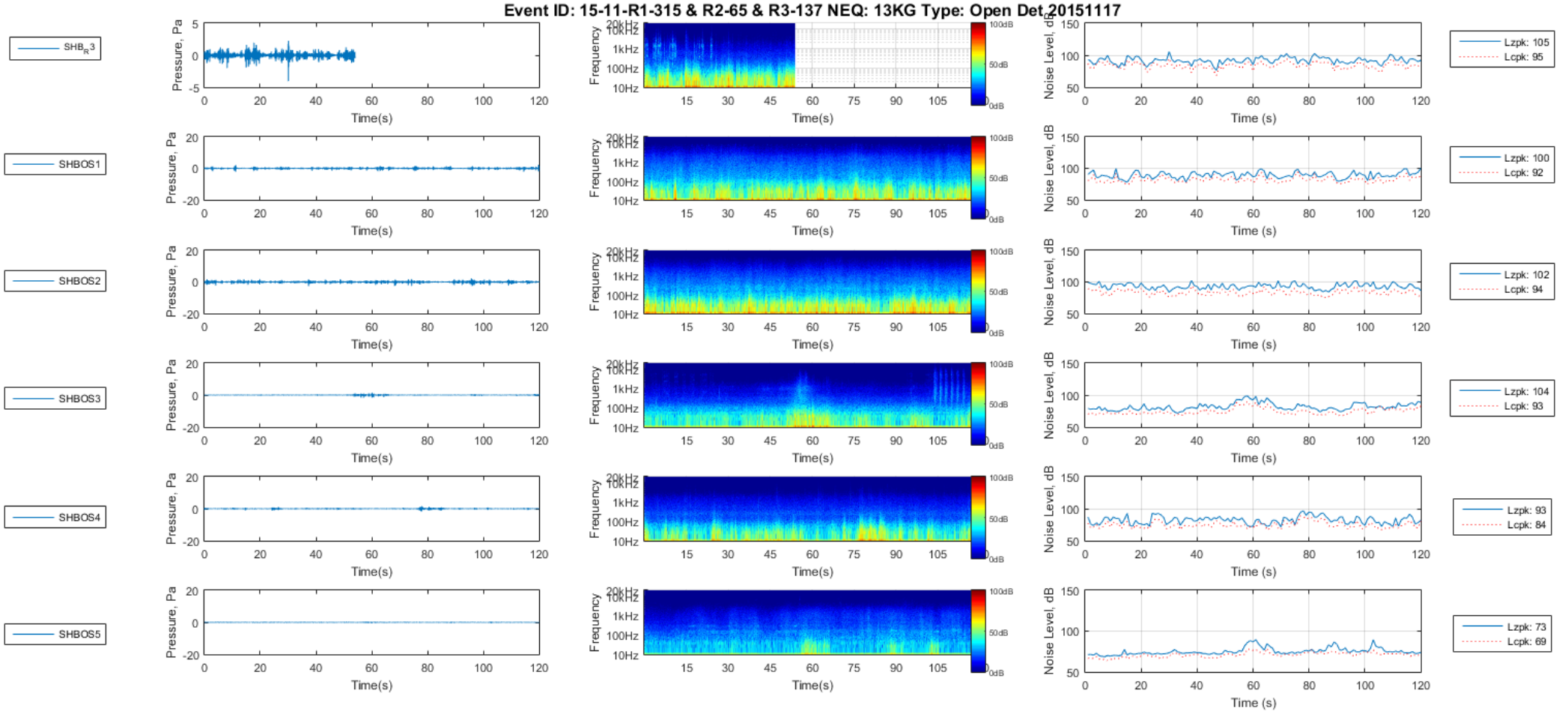


FIGURE 2.1766: SHB_OS 1 - 5 15-11-R1-315 & R2-65 & R3-137

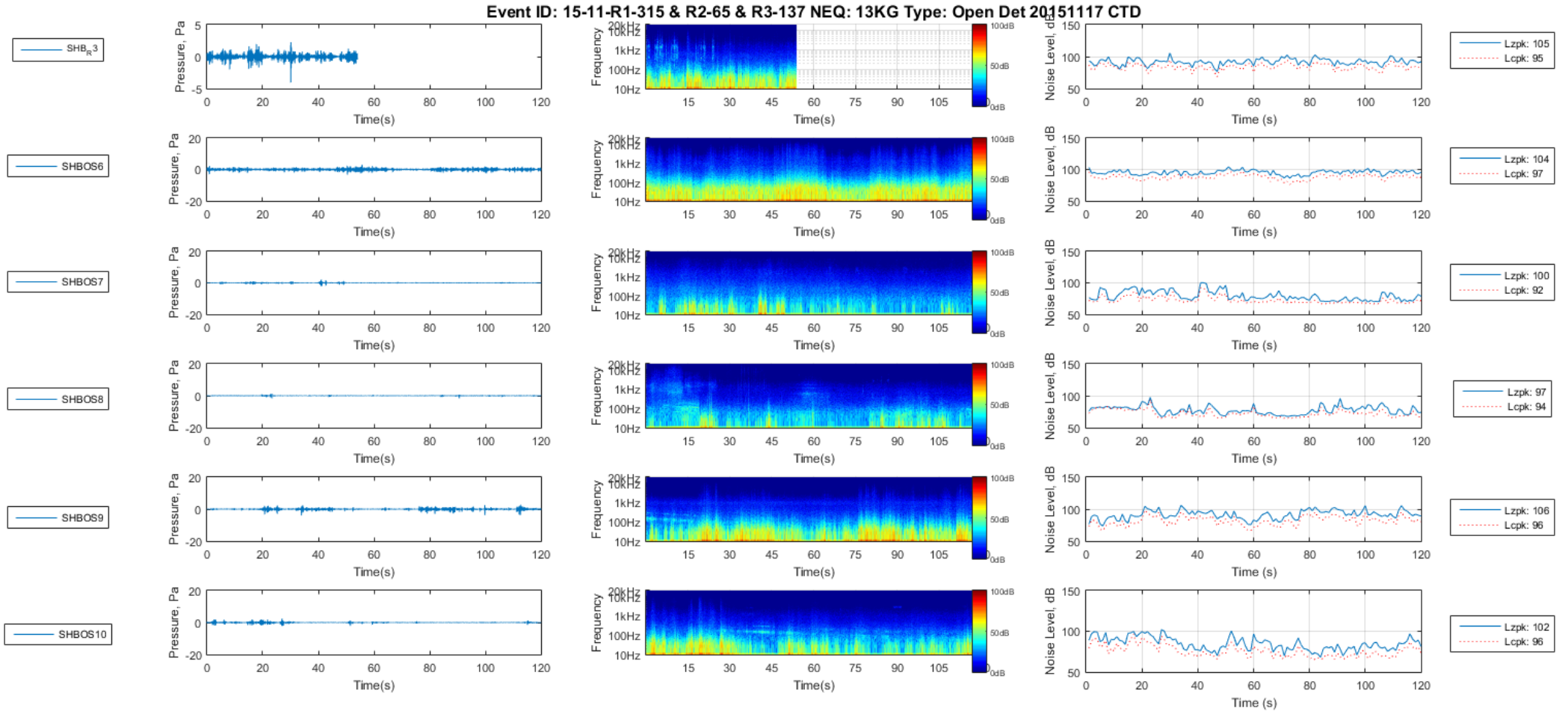


FIGURE 2.1767: SHB_OS 6 - 10 15-11-R1-315 & R2-65 & R3-137

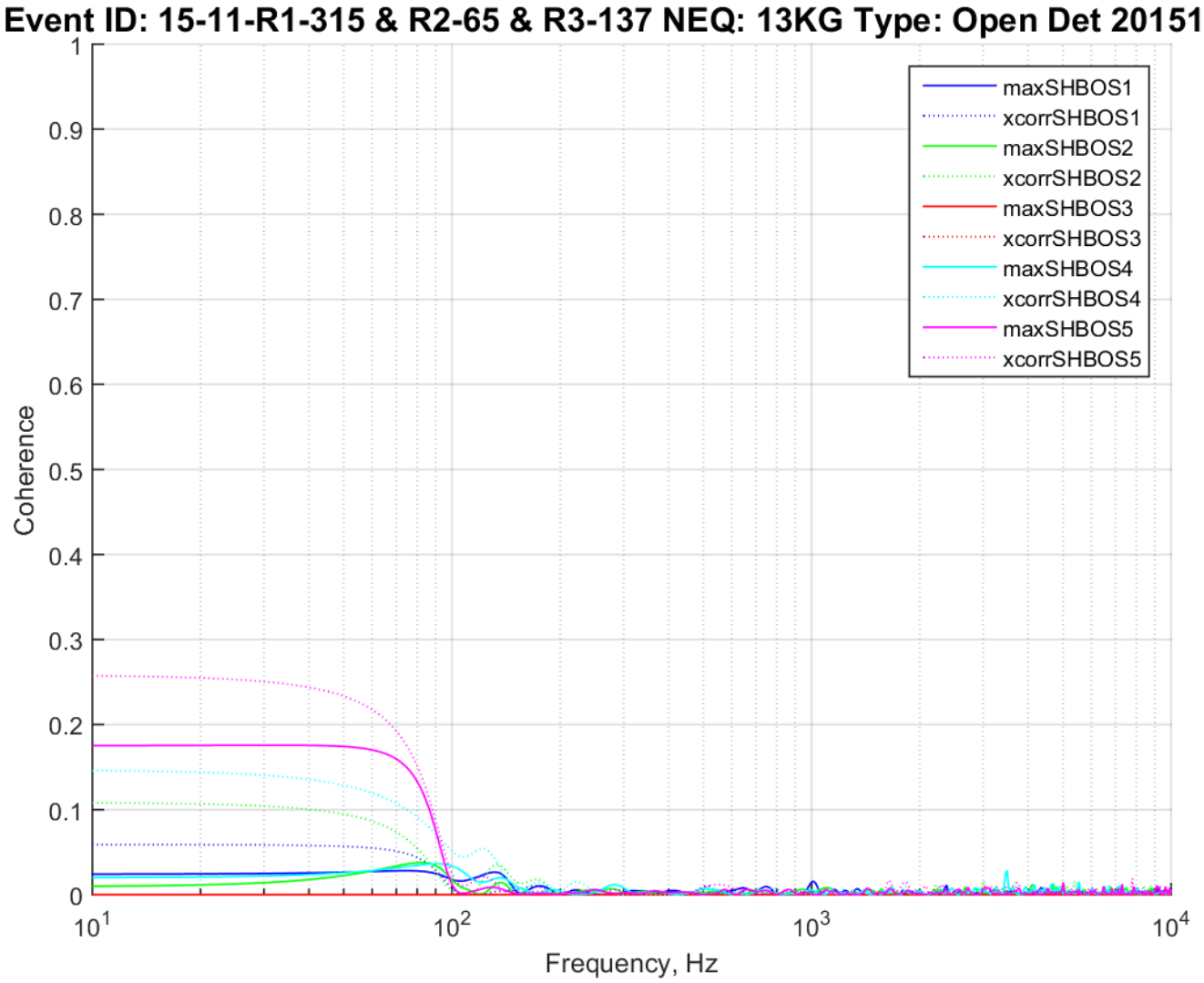


FIGURE 2.1768: COHERENCE SHB_OS 1 - 5 15-11-R1-315 & R2-65 & R3-137

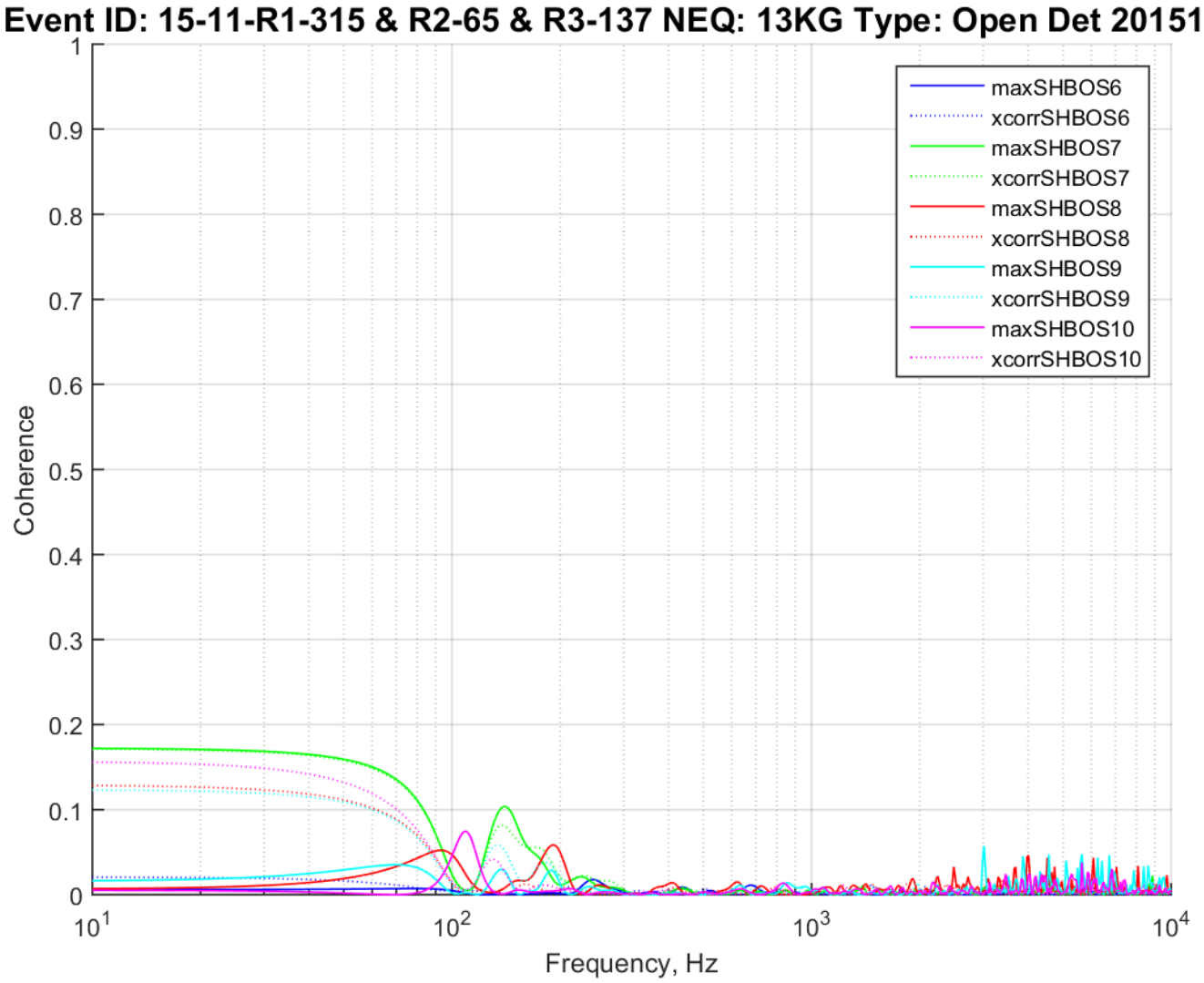


FIGURE 2.1769: COHERENCE SHB_OS 6 - 10 15-11-R1-315 & R2-65 & R3-137CTD

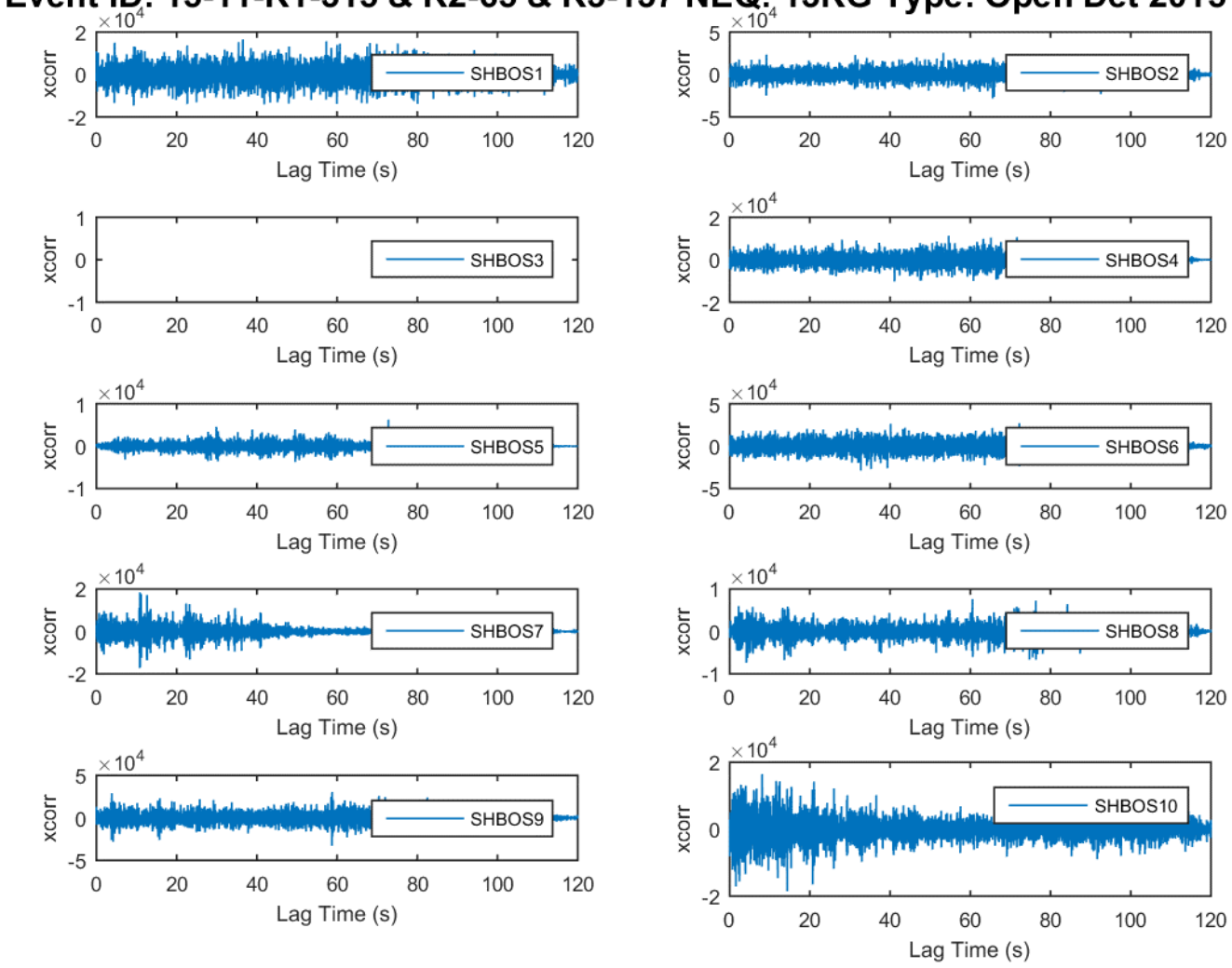


FIGURE 2.1770: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-315 & R2-65 & R3-137

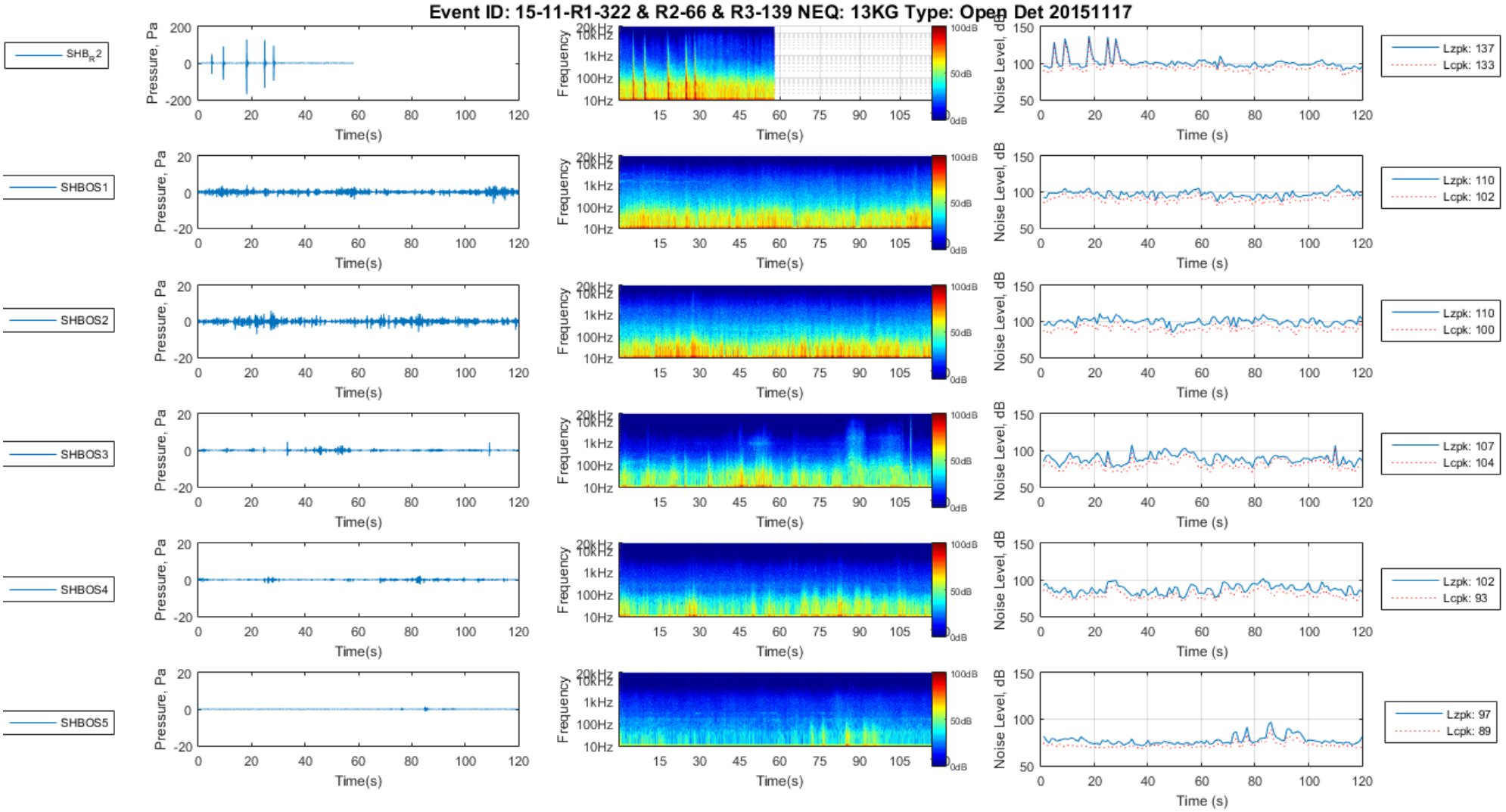


FIGURE 2.1771: SHB_OS 1 - 5 15-11-R1-322 & R2-66 & R3-139

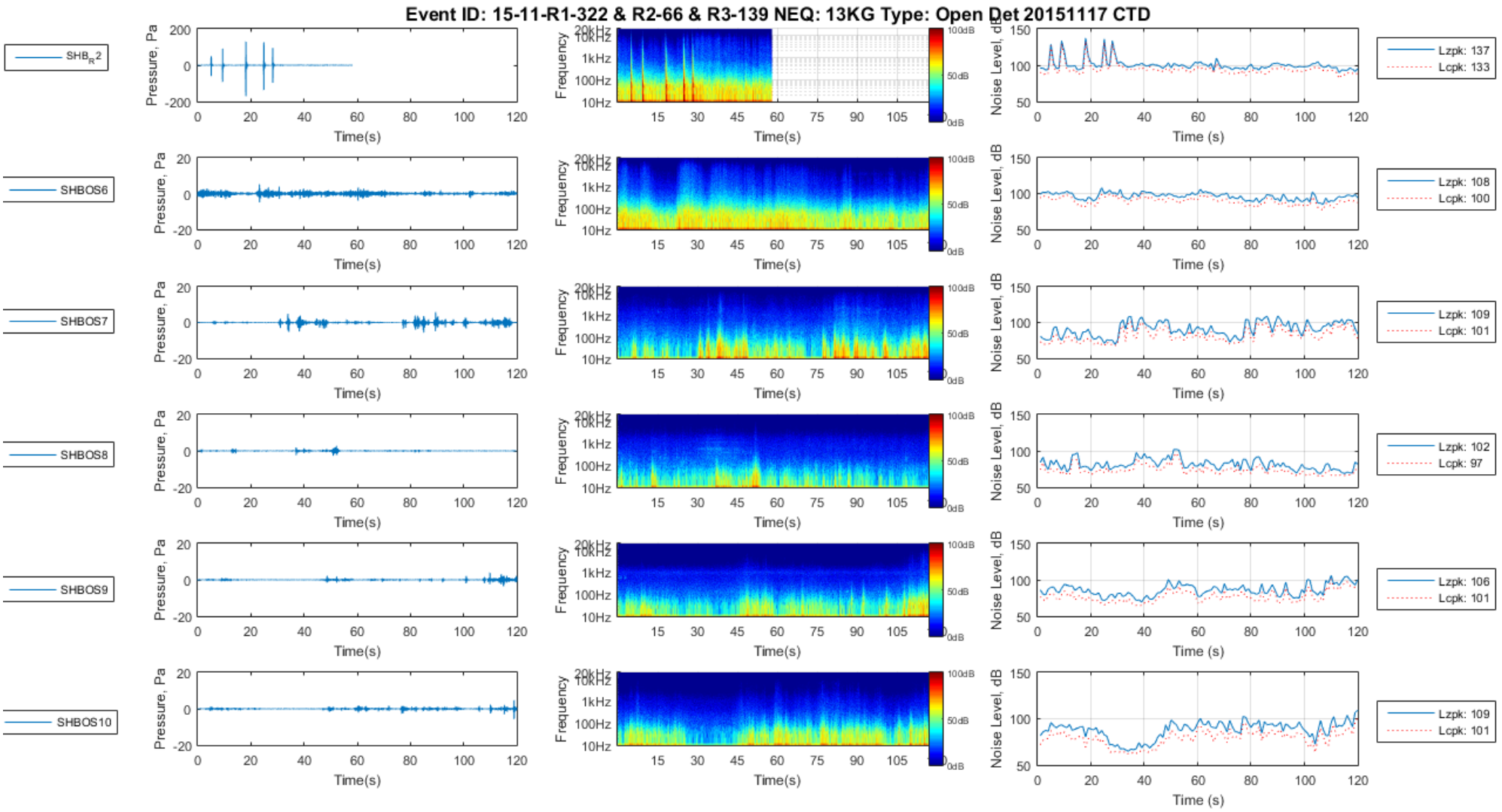


FIGURE 2.1772: SHB_OS 6 - 10 15-11-R1-322 & R2-66 & R3-139

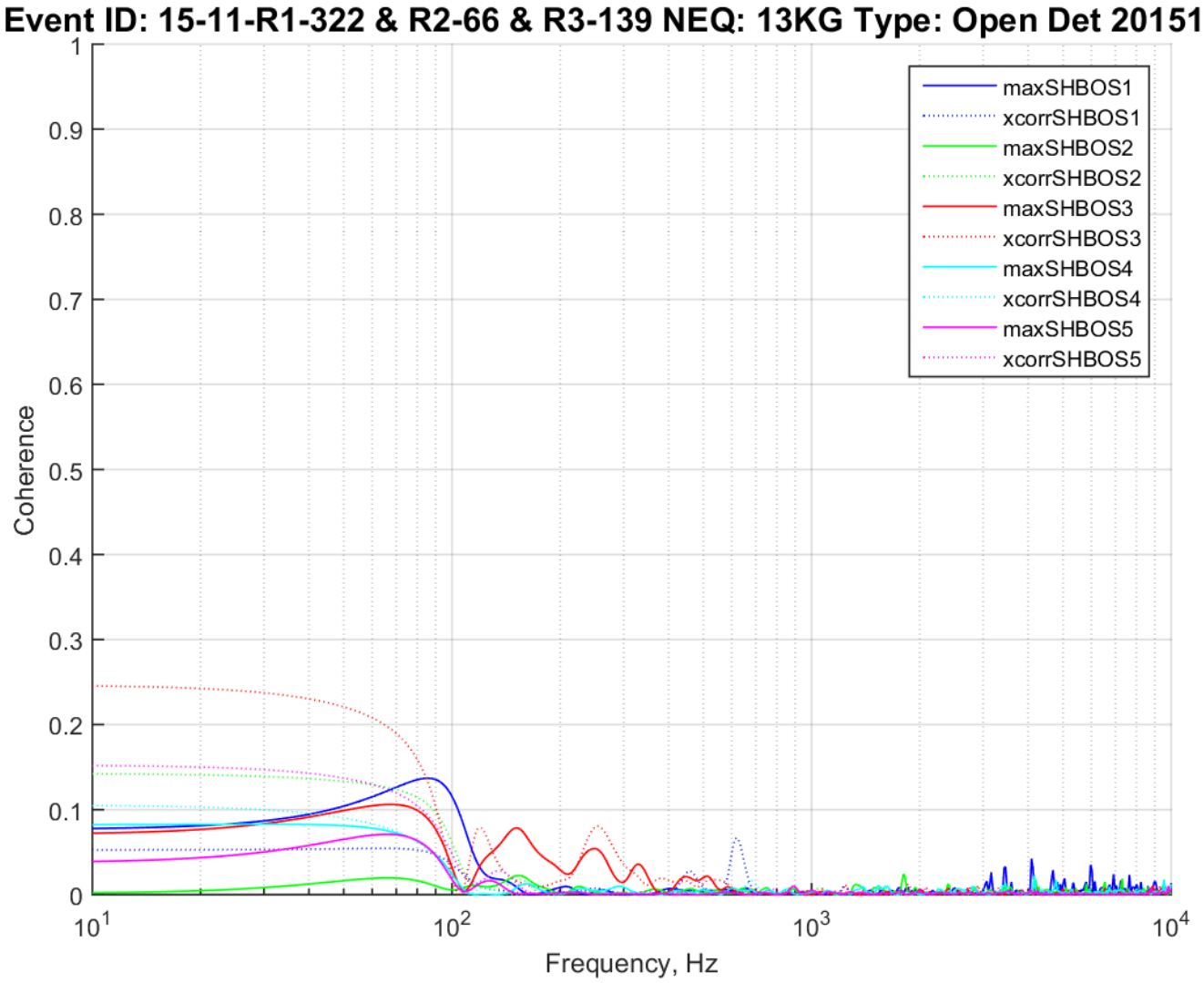


FIGURE 2.1773: COHERENCE SHB_OS 1 - 5 15-11-R1-322 & R2-66 & R3-139

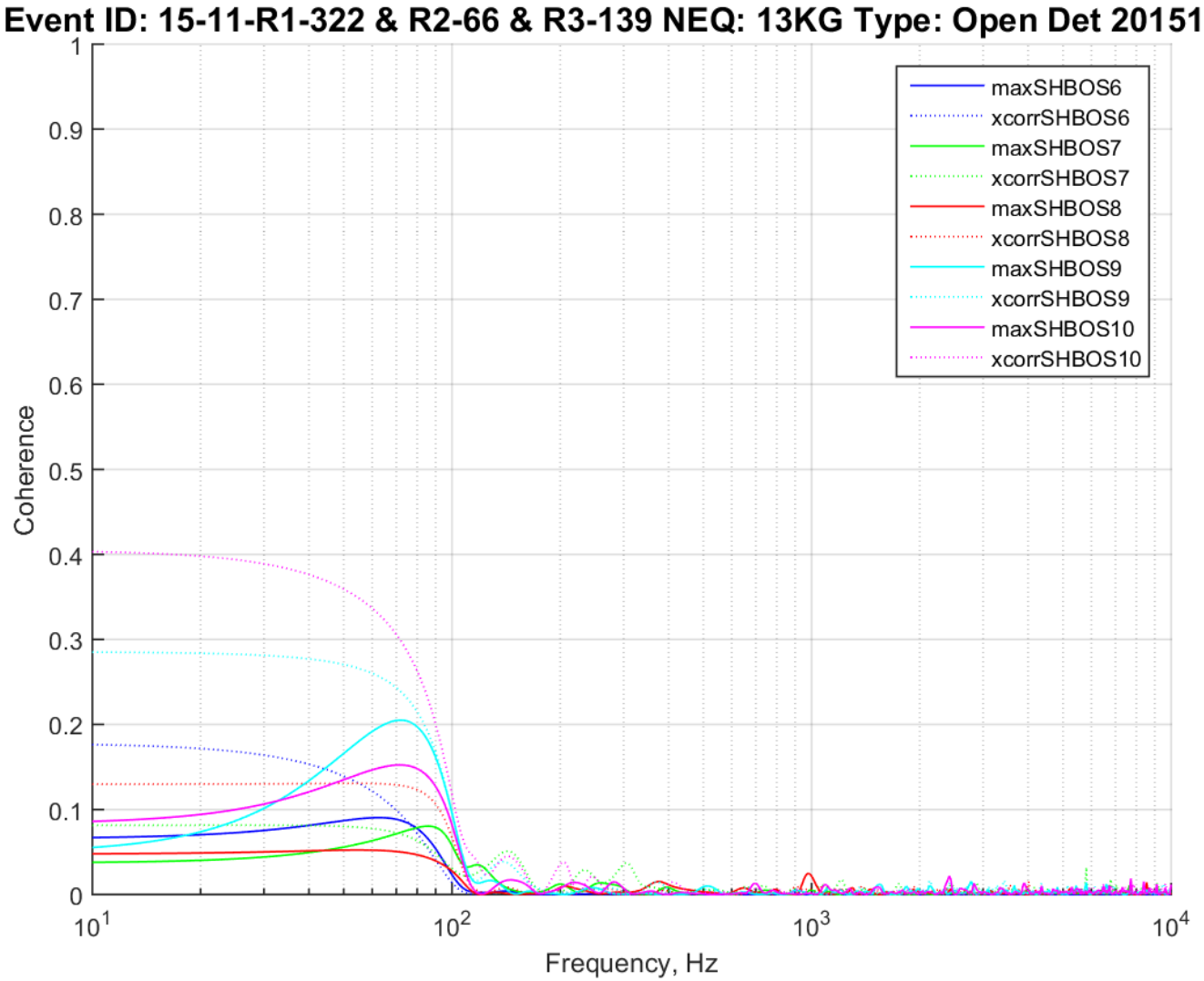


FIGURE 2.1774: COHERENCE SHB_OS 6 - 10 15-11-R1-322 & R2-66 & R3-139CTD

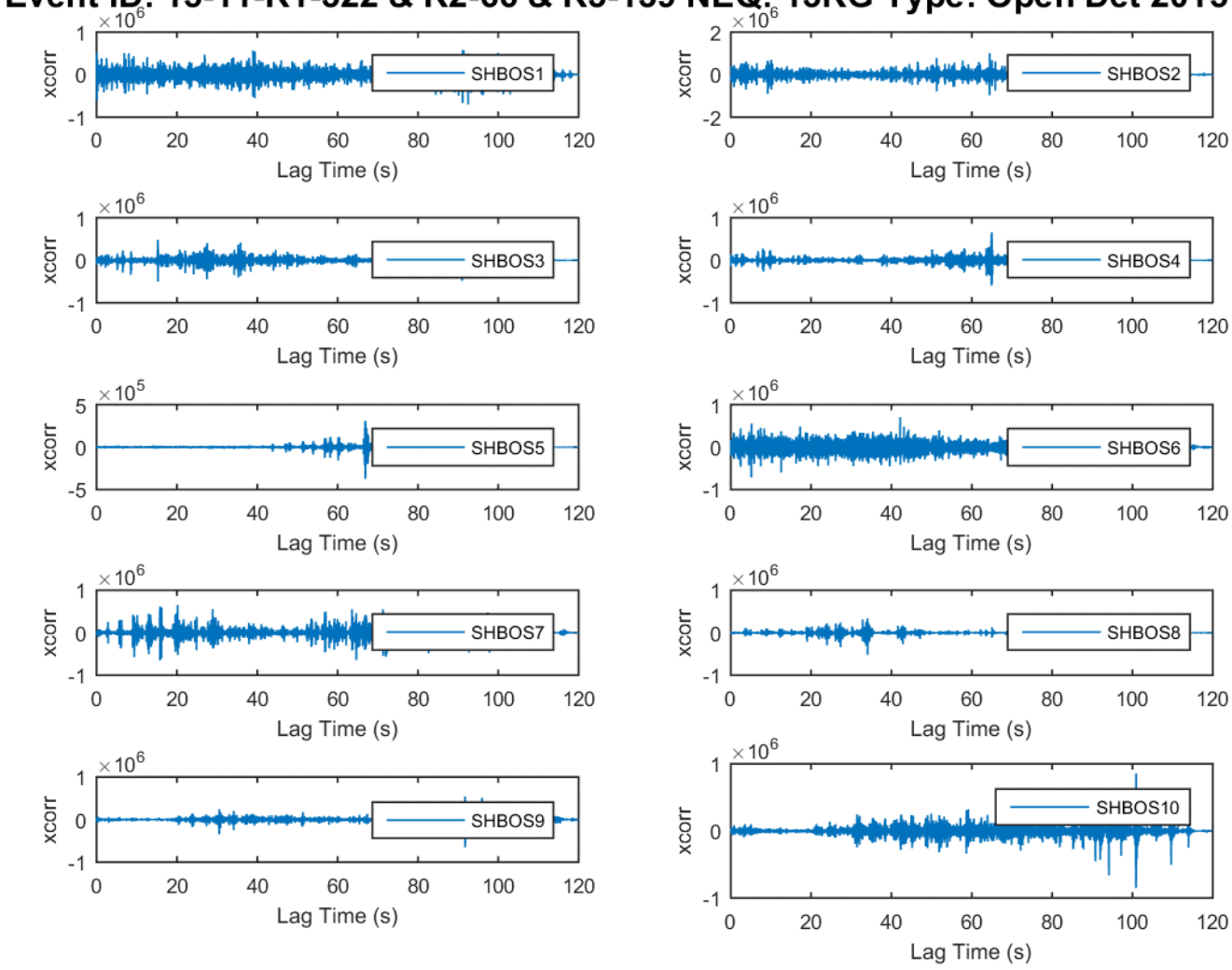


FIGURE 2.1775: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-322 & R2-66 & R3-139

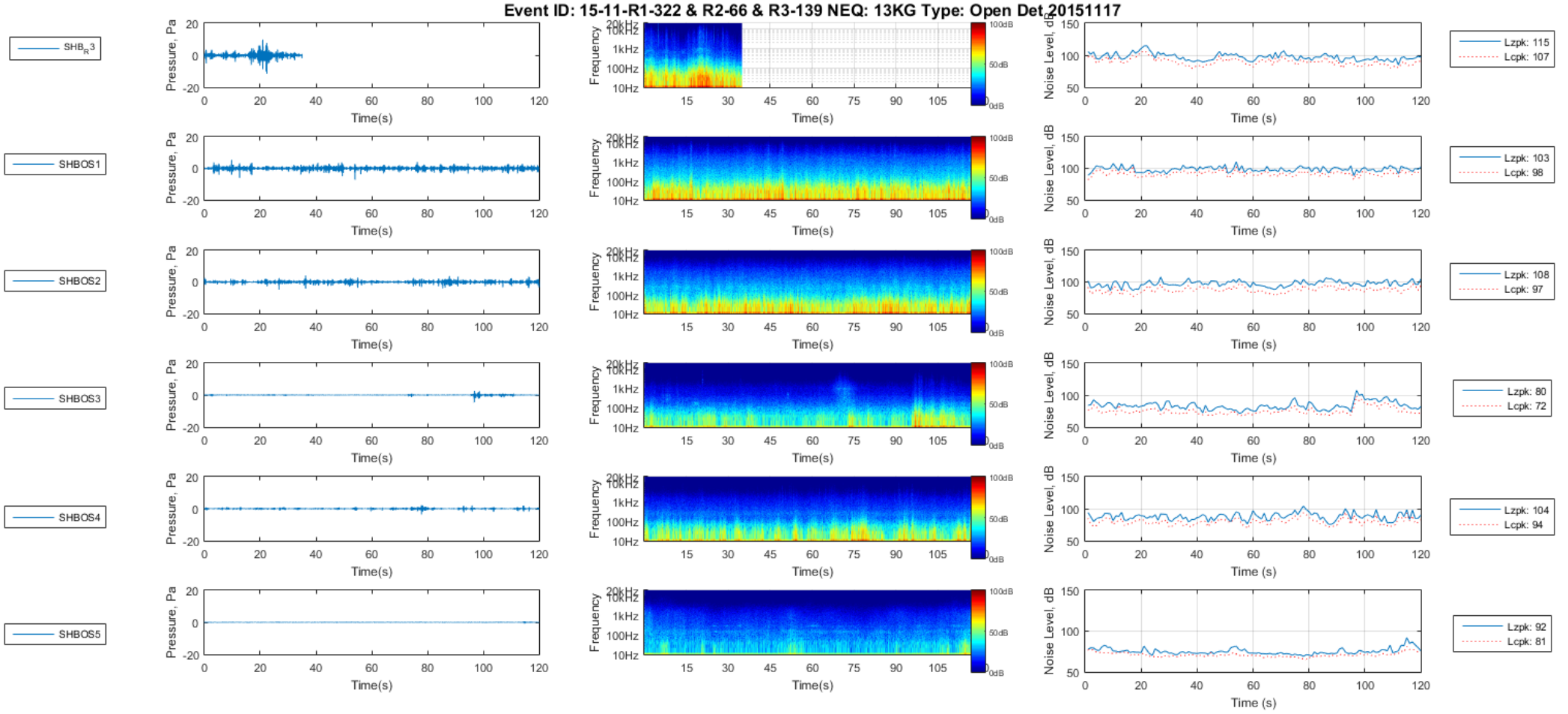


FIGURE 2.1776: SHB_OS 1 - 5 15-11-R1-322 & R2-66 & R3-139

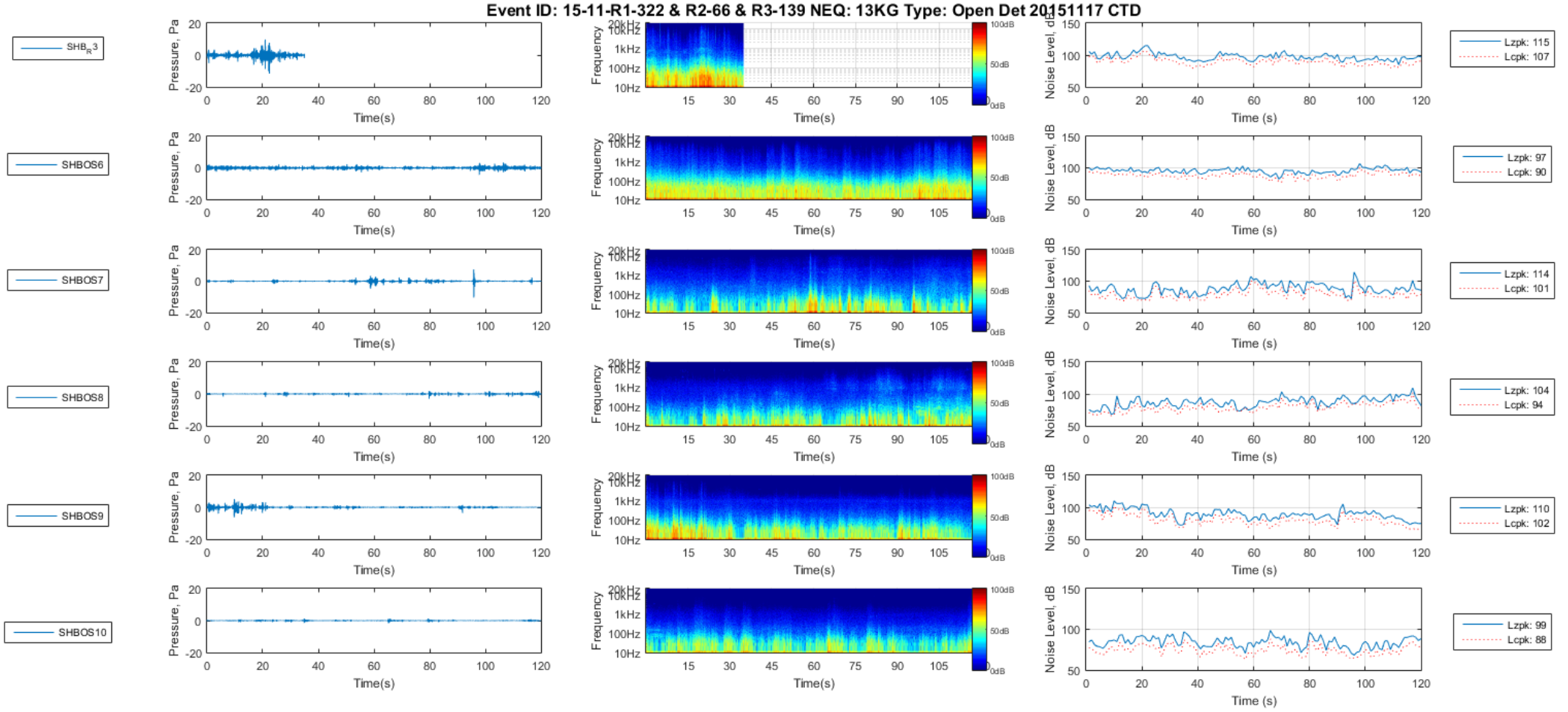


FIGURE 2.1777: SHB_OS 6 - 10 15-11-R1-322 & R2-66 & R3-139

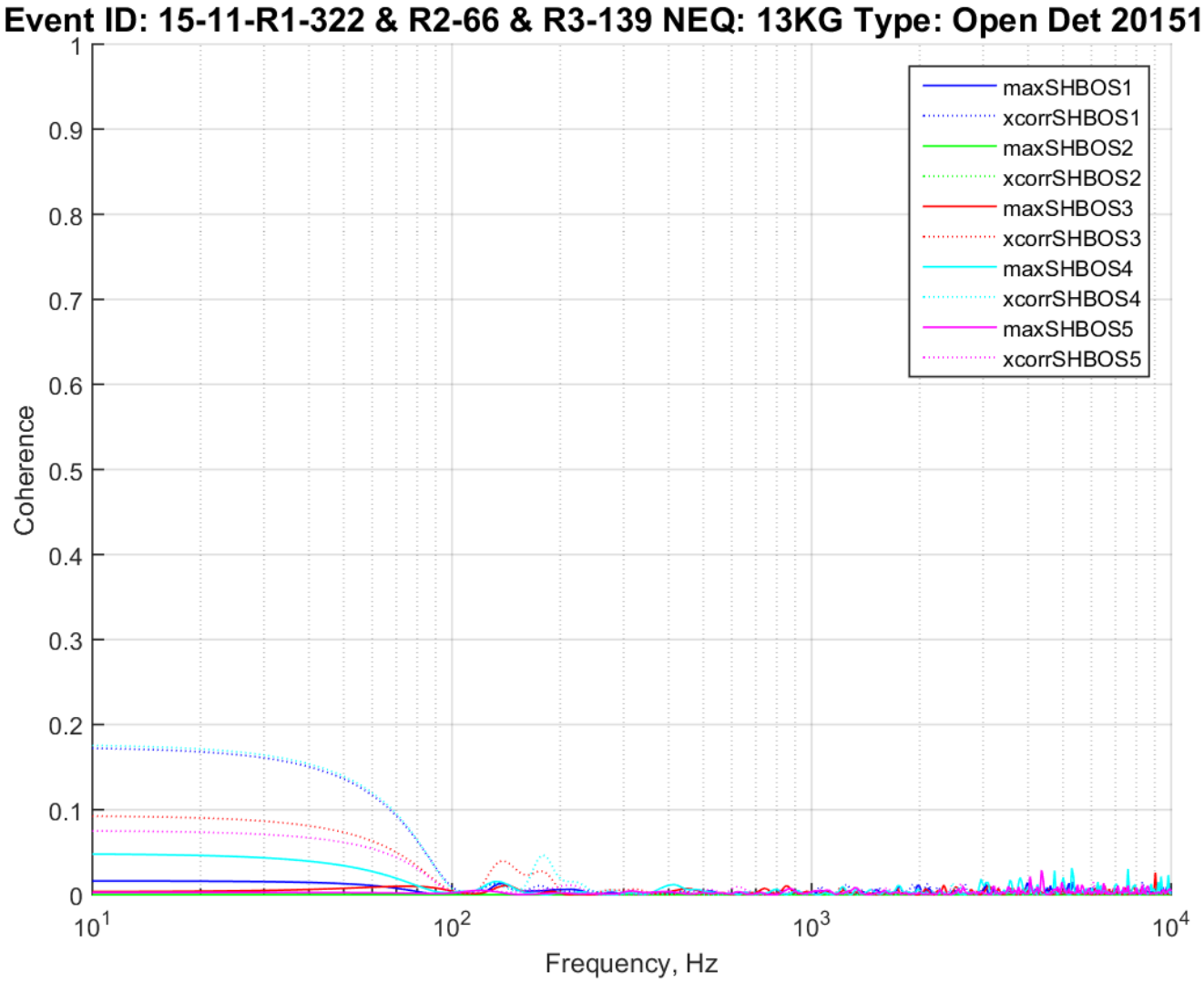


FIGURE 2.1778: COHERENCE SHB_OS 1 - 5 15-11-R1-322 & R2-66 & R3-139

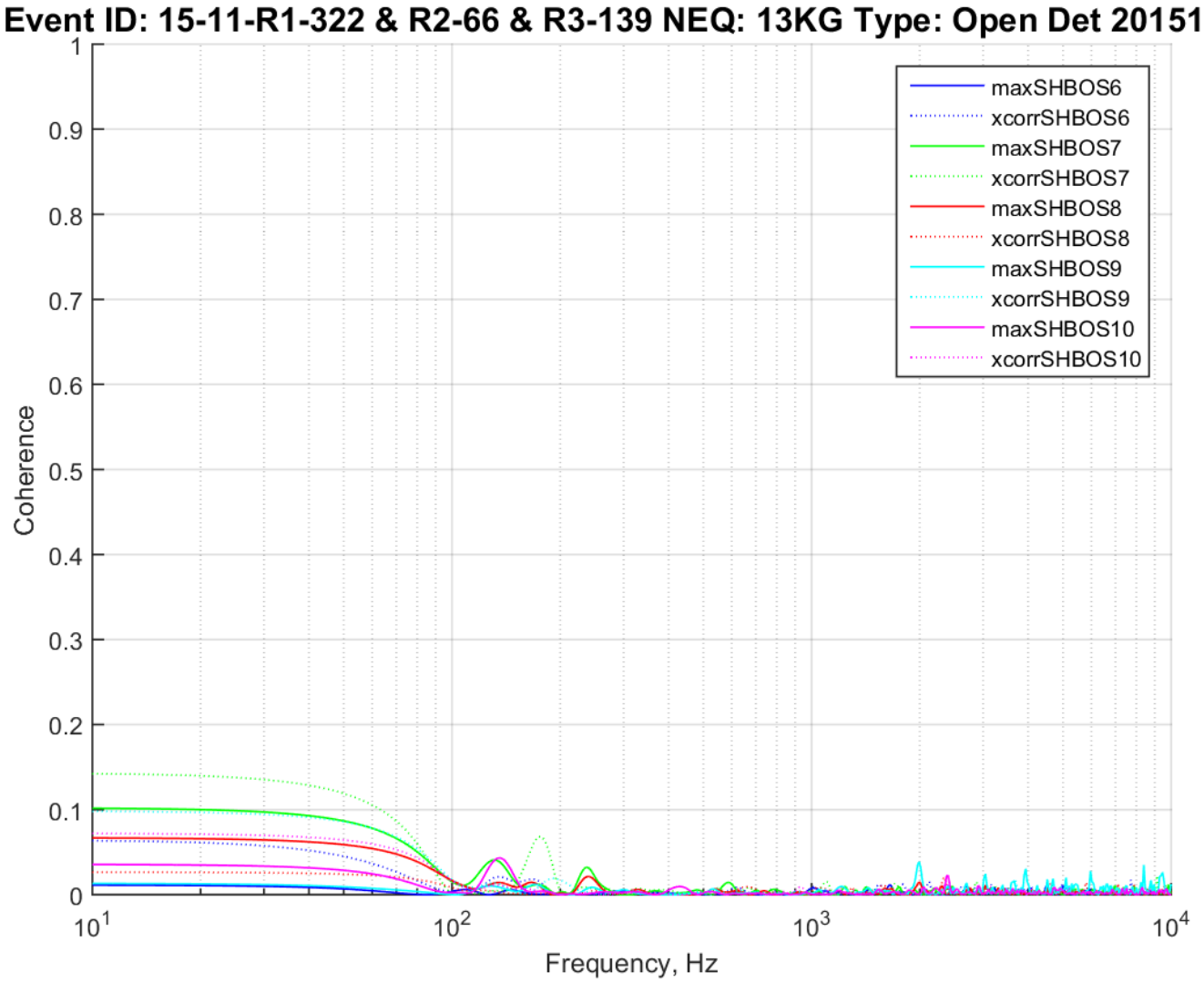


FIGURE 2.1779: COHERENCE SHB_OS 6 - 10 15-11-R1-322 & R2-66 & R3-139CTD

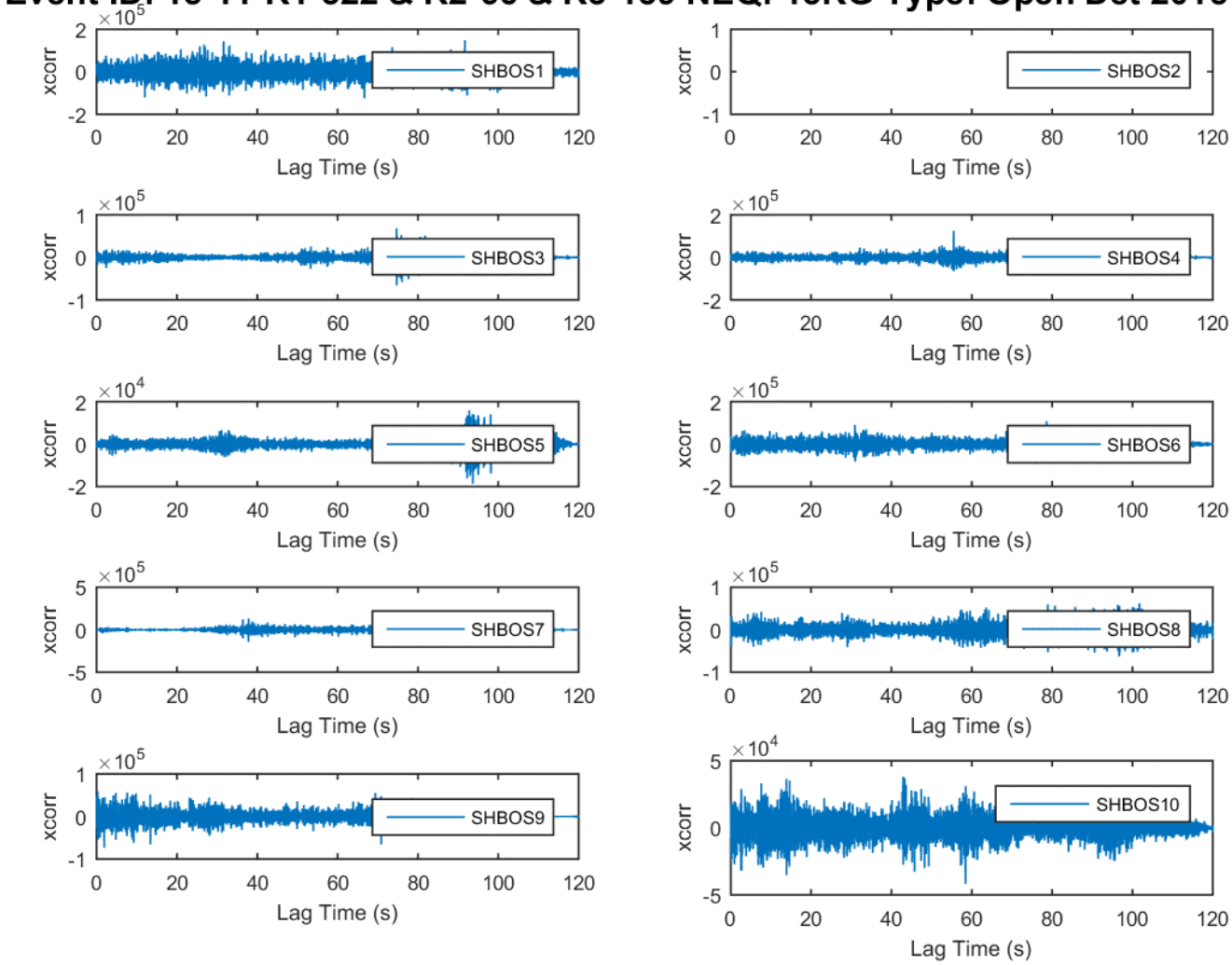


FIGURE 2.1780: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-322 & R2-66 & R3-139

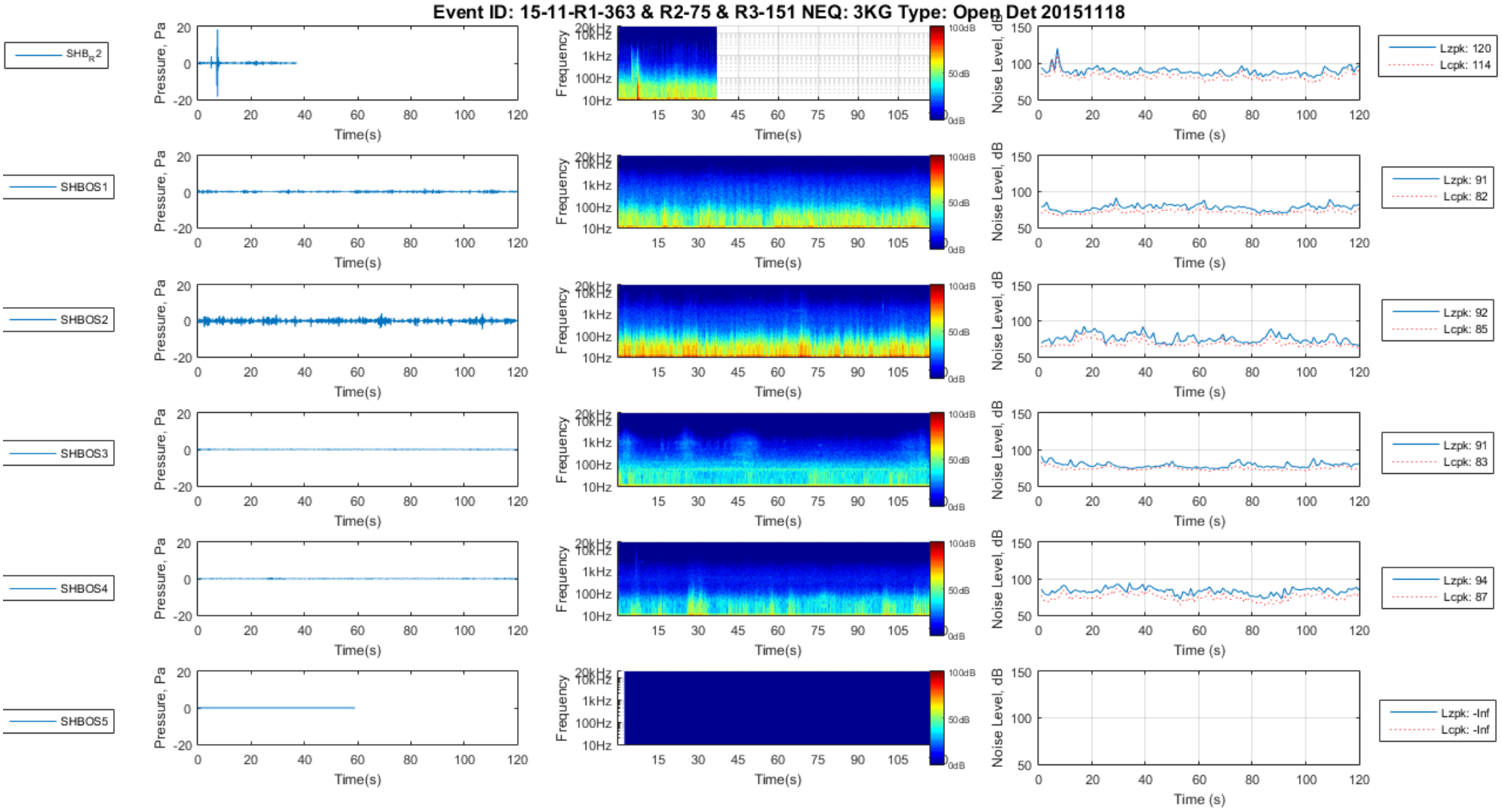


FIGURE 2.1781: SHB_OS 1 - 5 15-11-R1-363 & R2-75 & R3-151

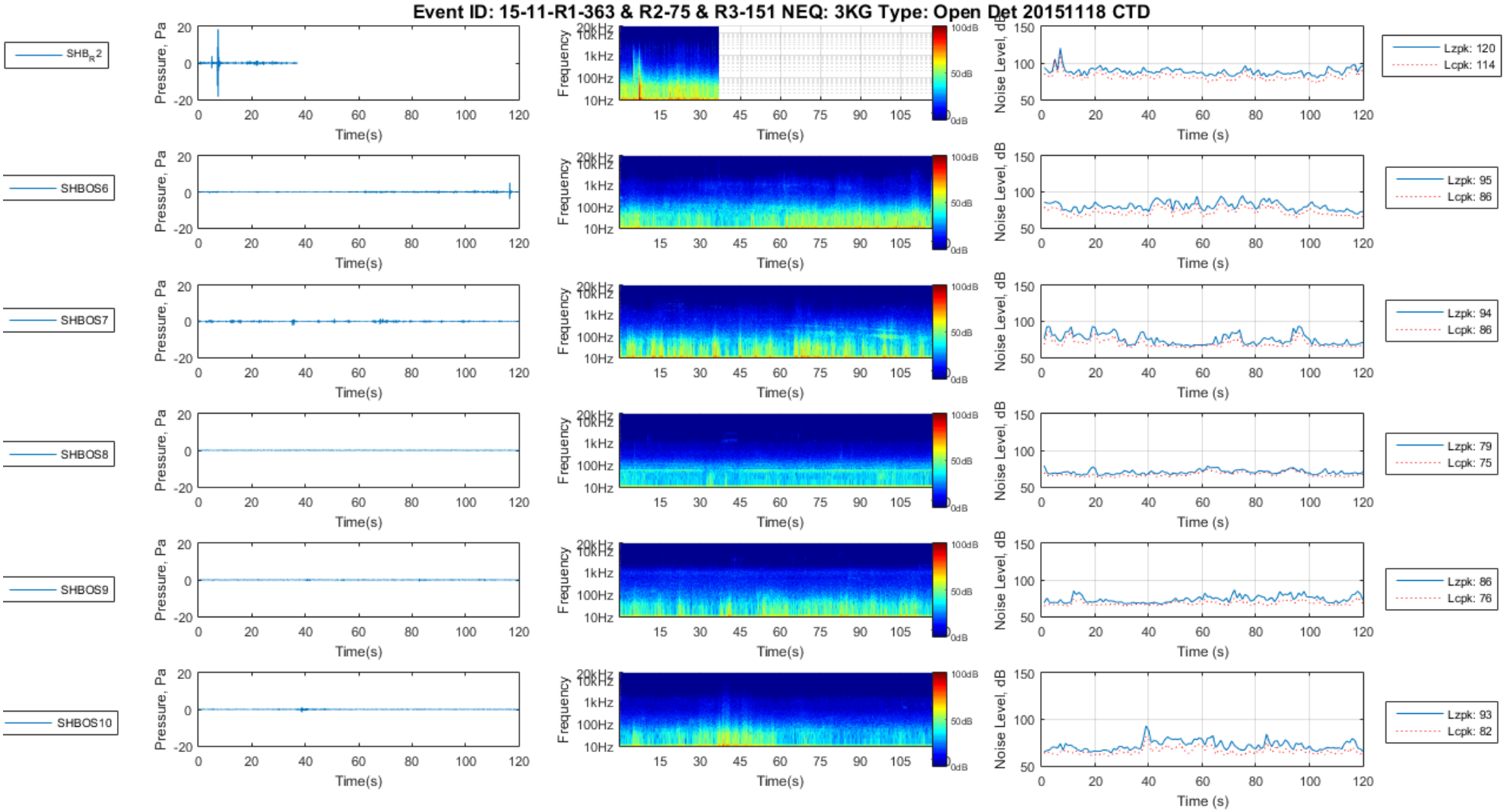


FIGURE 2.1782: SHB_OS 6 - 10 15-11-R1-363 & R2-75 & R3-151

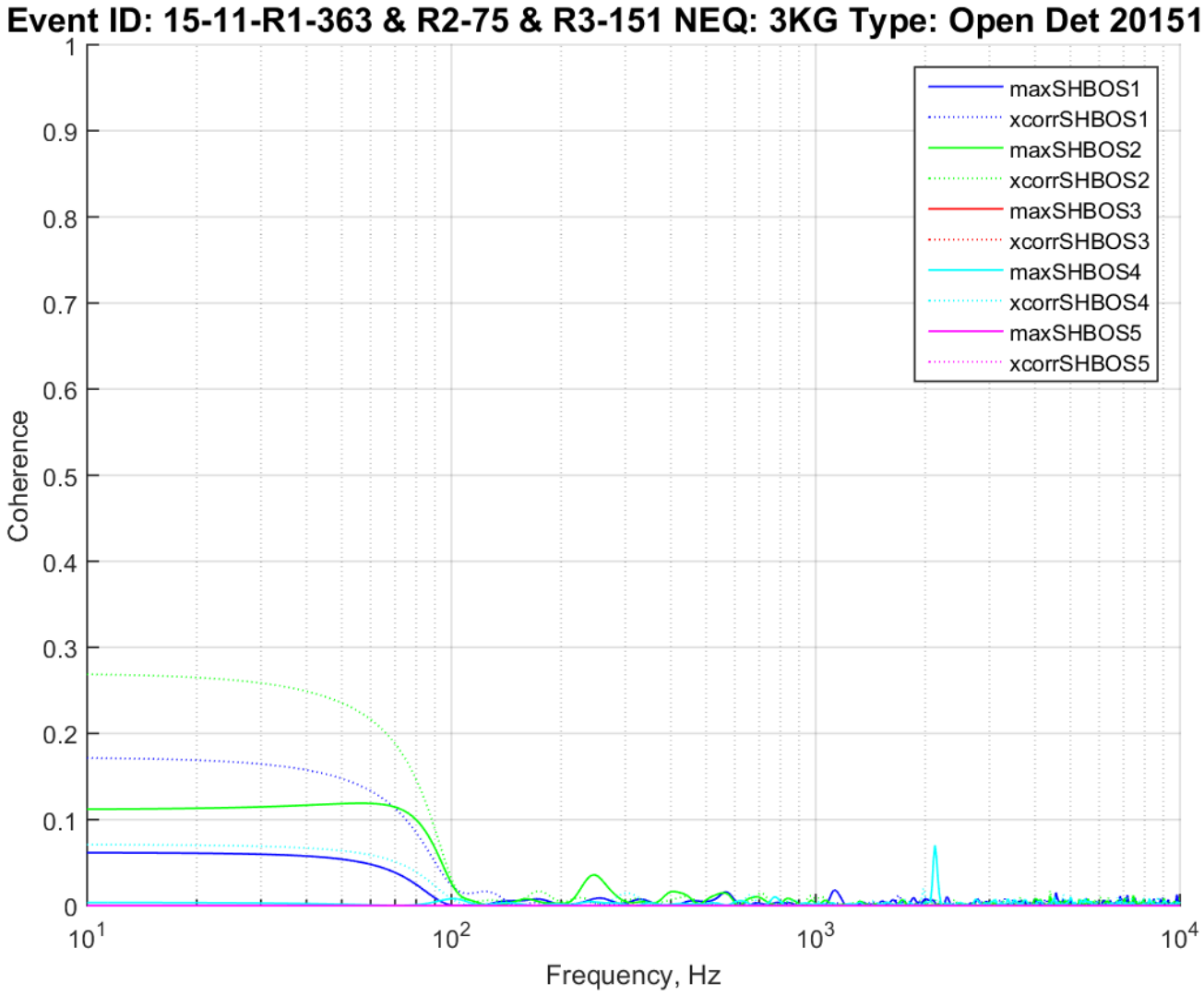


FIGURE 2.1783: COHERENCE SHB_OS 1 - 5 15-11-R1-363 & R2-75 & R3-151

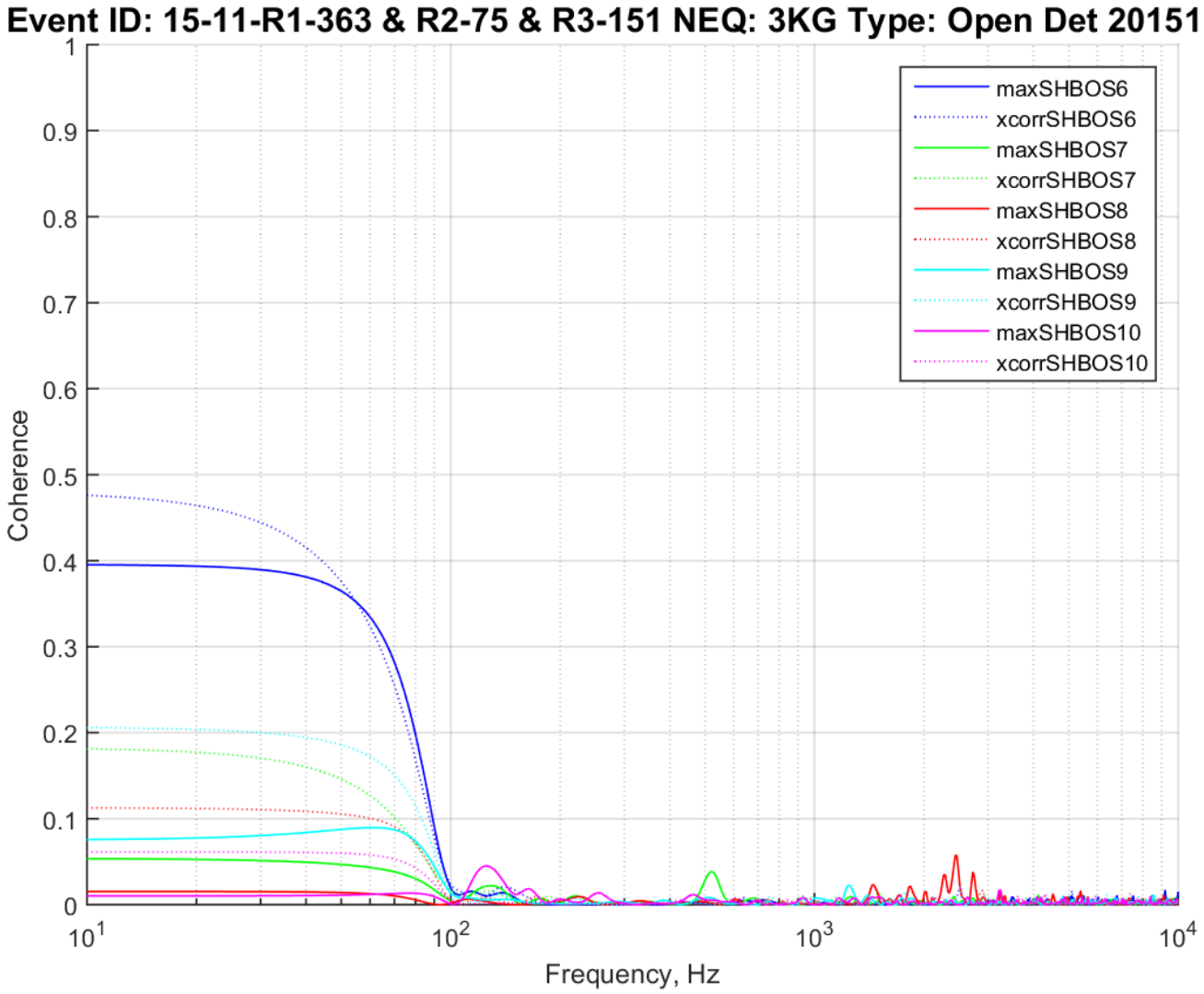


FIGURE 2.1784: COHERENCE SHB_OS 6 - 10 15-11-R1-363 & R2-75 & R3-151CTD

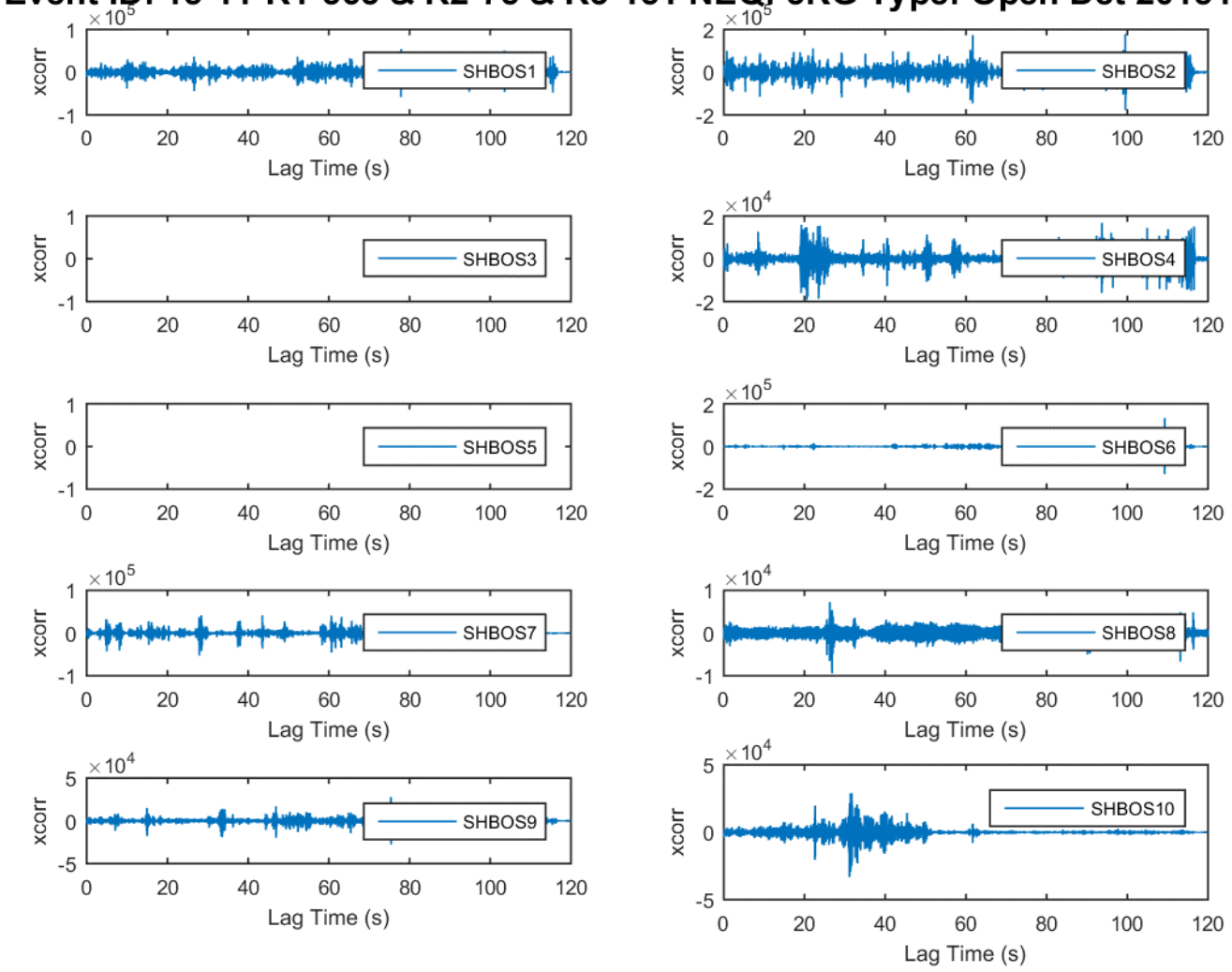


FIGURE 2.1785: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-363 & R2-75 & R3-151

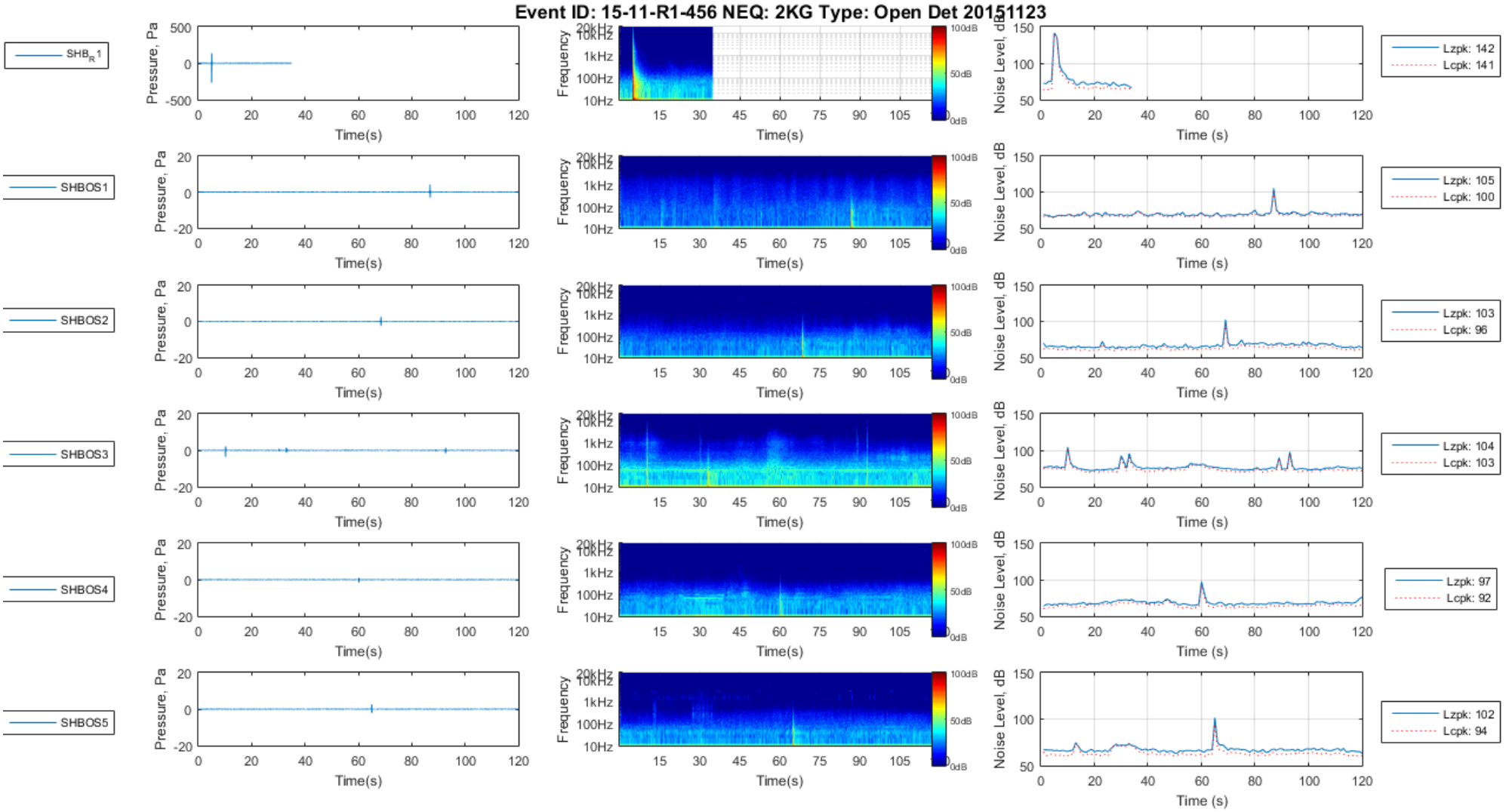


FIGURE 2.1786: SHB_OS 1 - 5 15-11-R1-456

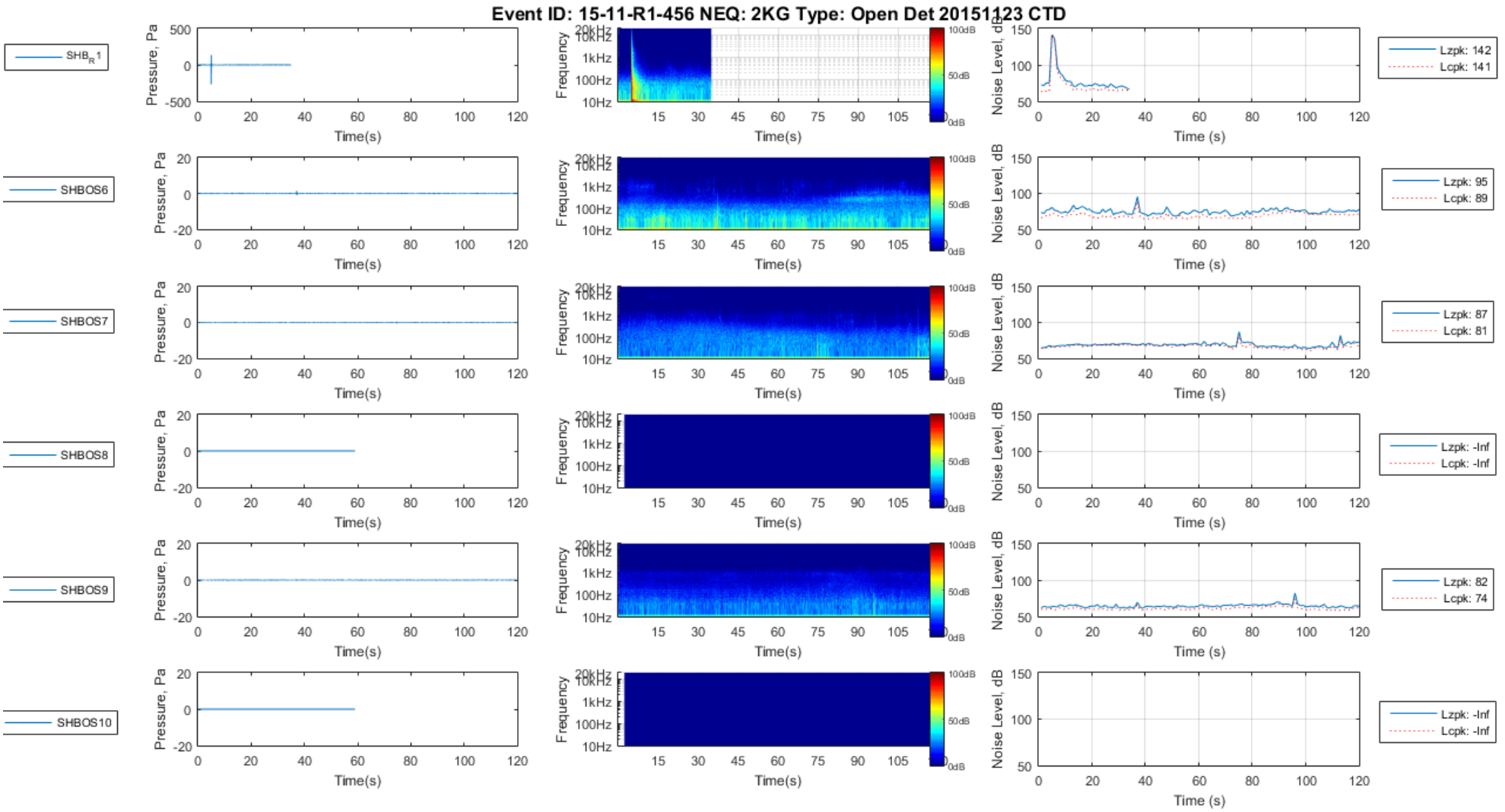


FIGURE 2.1787: SHB_OS 6 - 10 15-11-R1-456

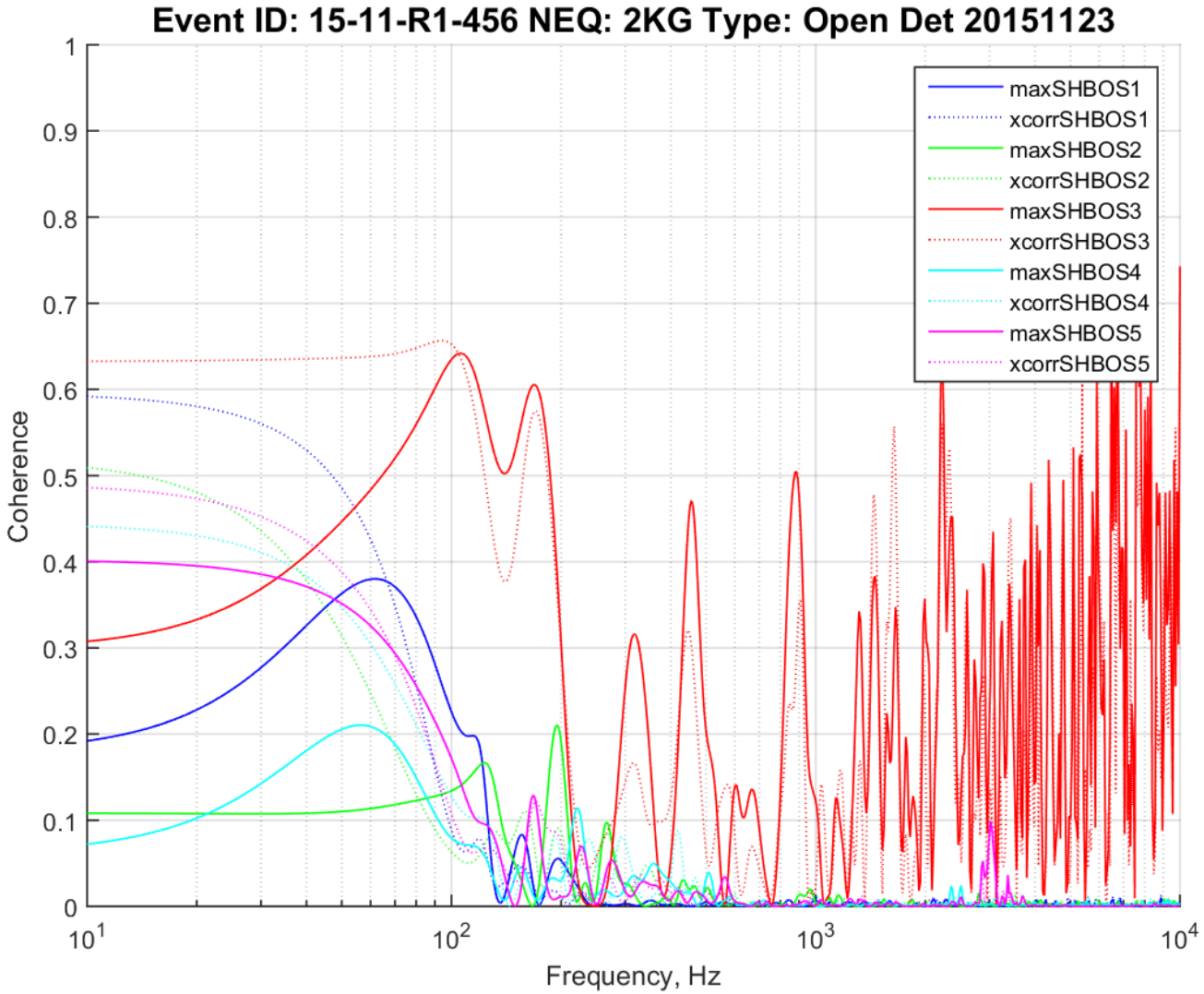


FIGURE 2.1788: COHERENCE SHB_OS 1 - 5 15-11-R1-456

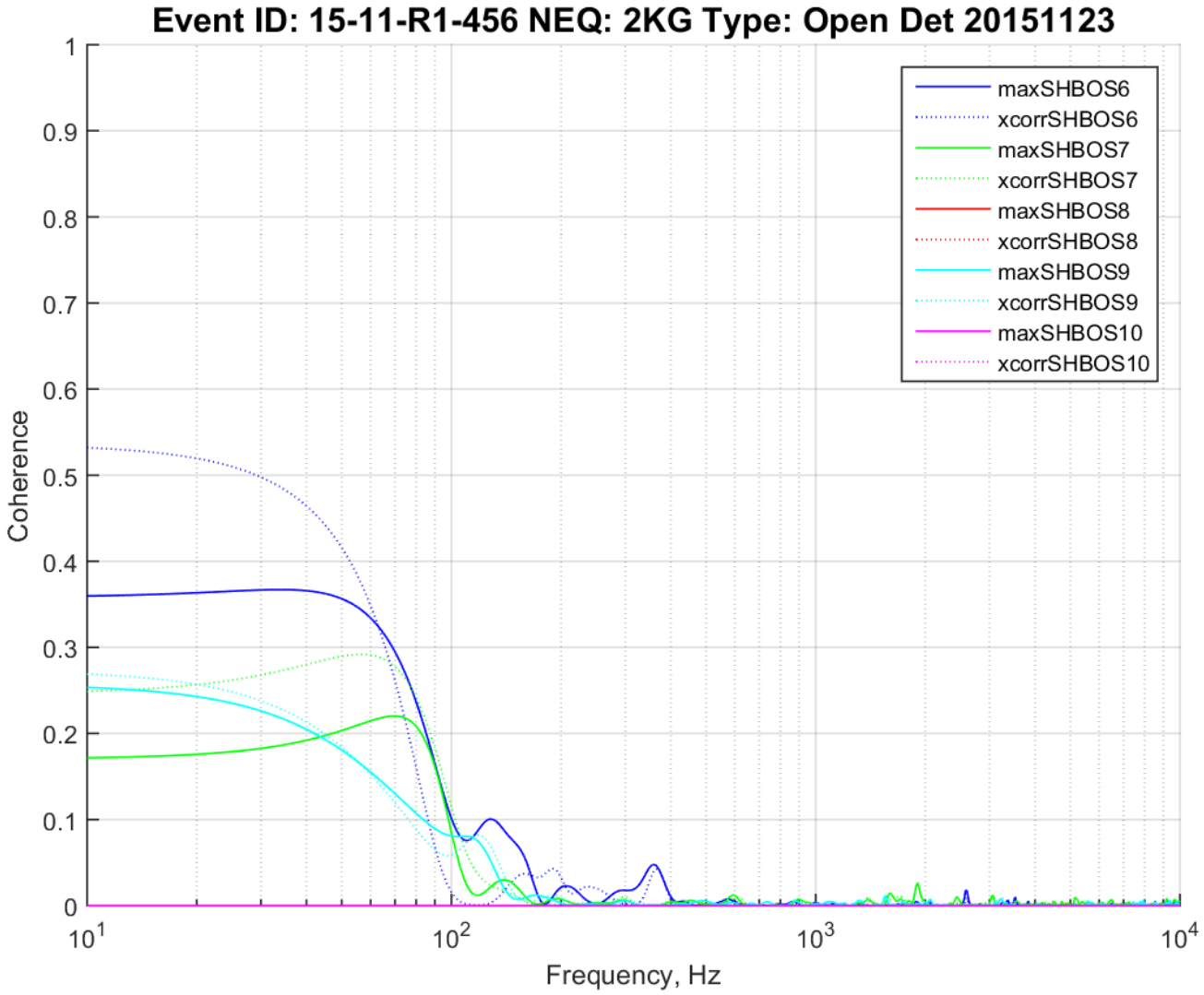


FIGURE 2.1789: COHERENCE SHB_OS 6 - 10 15-11-R1-456CTD

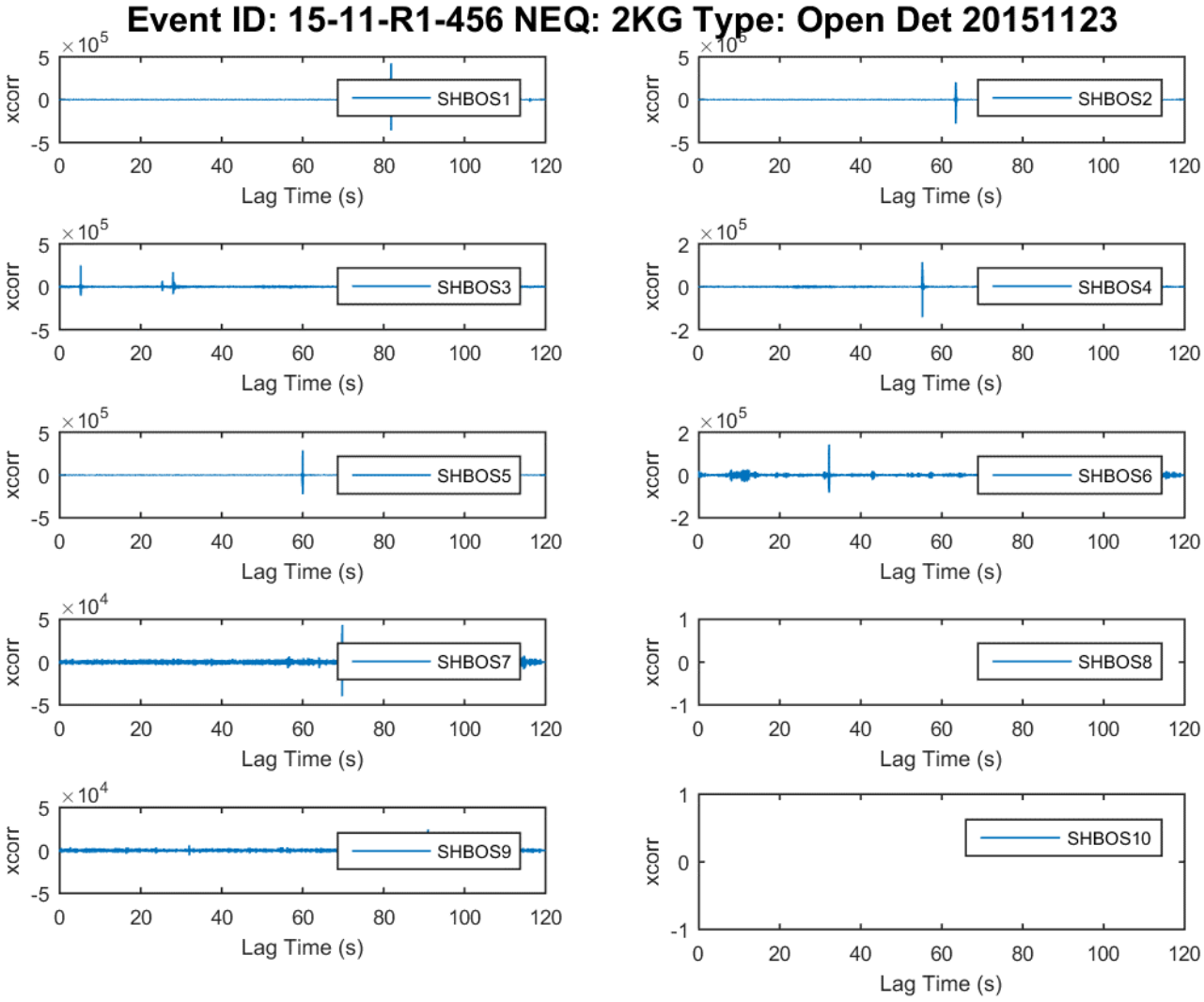


FIGURE 2.1790: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-456

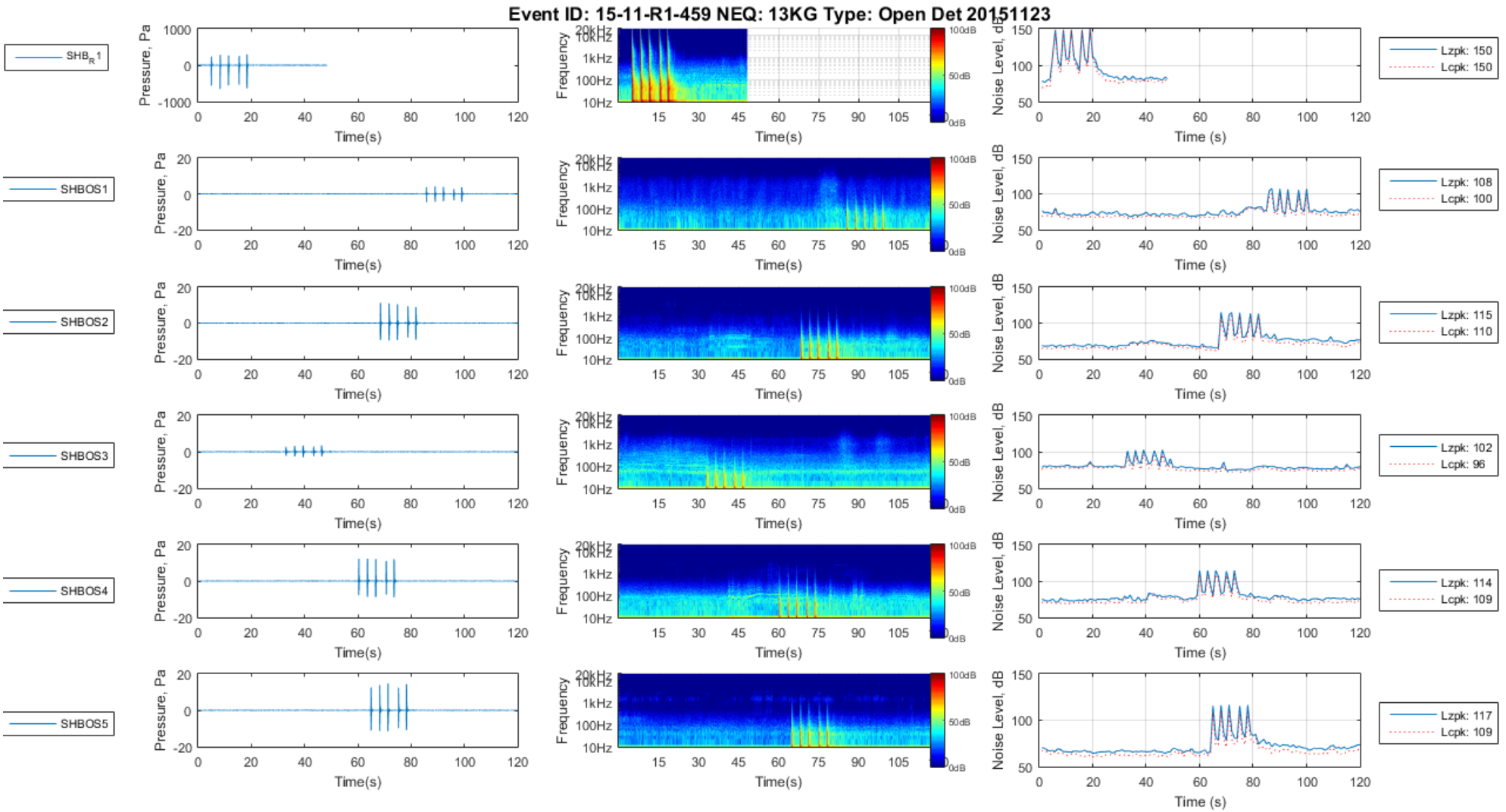


FIGURE 2.1791: SHB_OS 1 - 5 15-11-R1-459

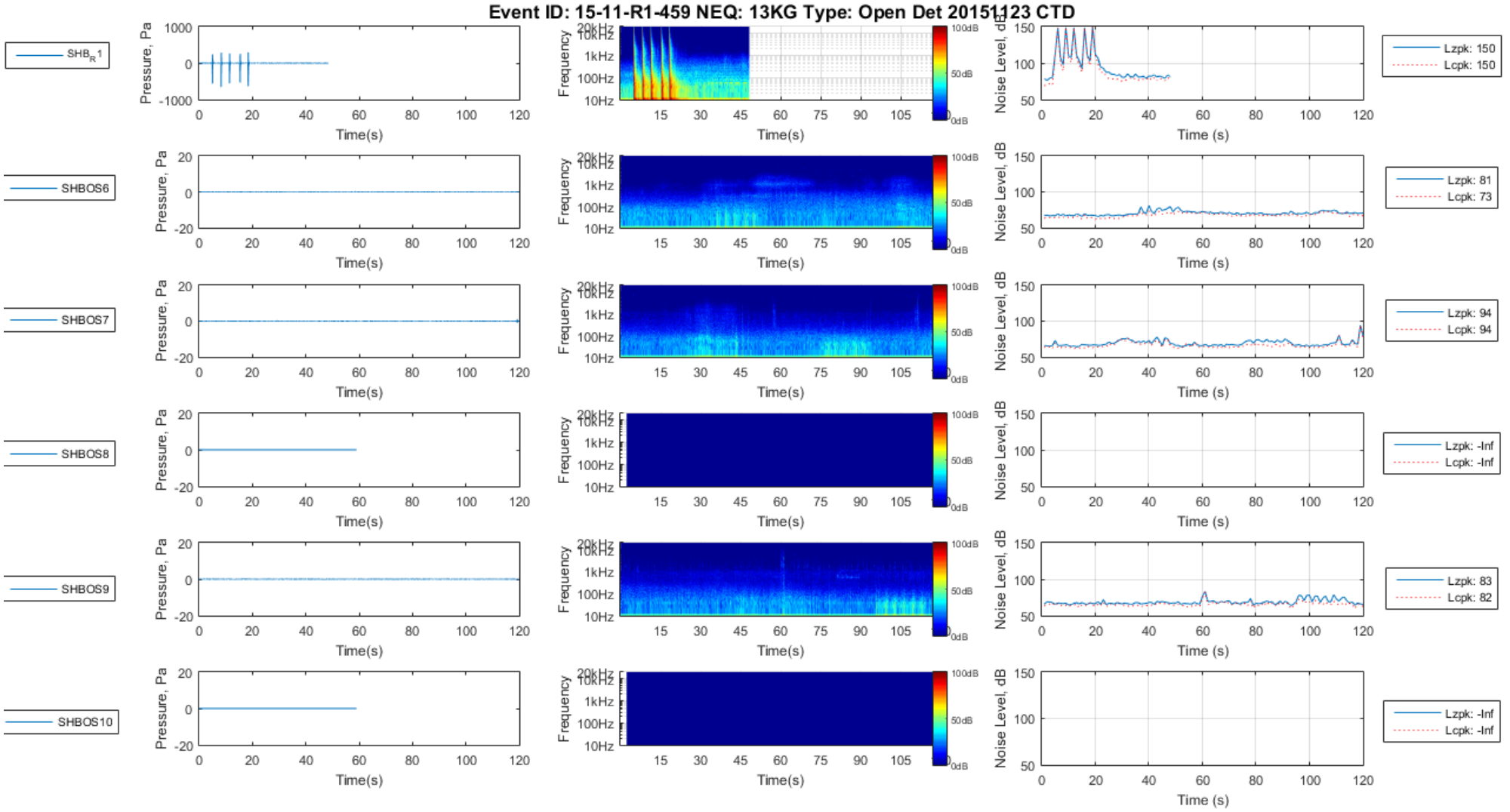


FIGURE 2.1792: SHB_OS 6 - 10 15-11-R1-459

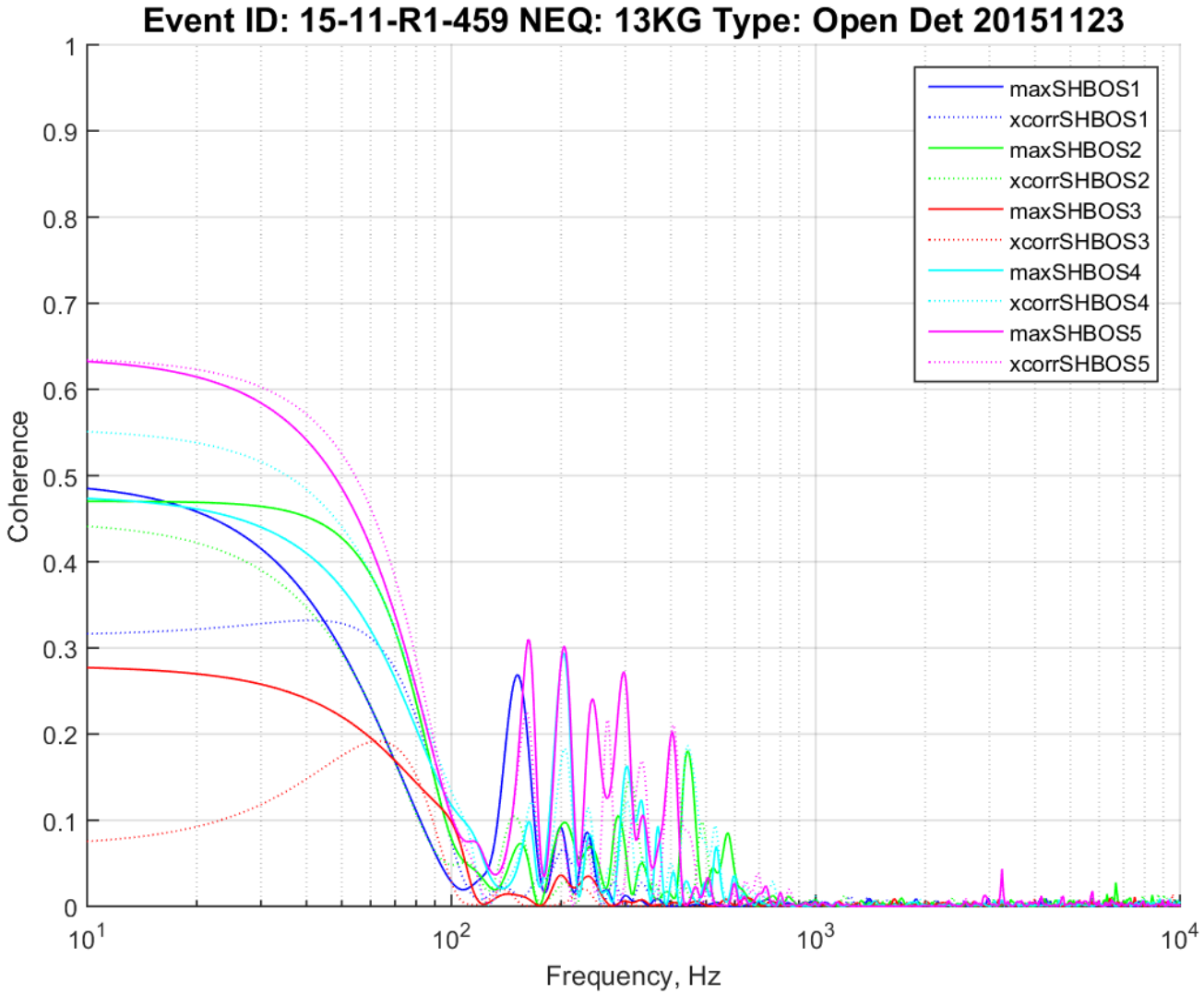


FIGURE 2.1793: COHERENCE SHB_OS 1 - 5 15-11-R1-459

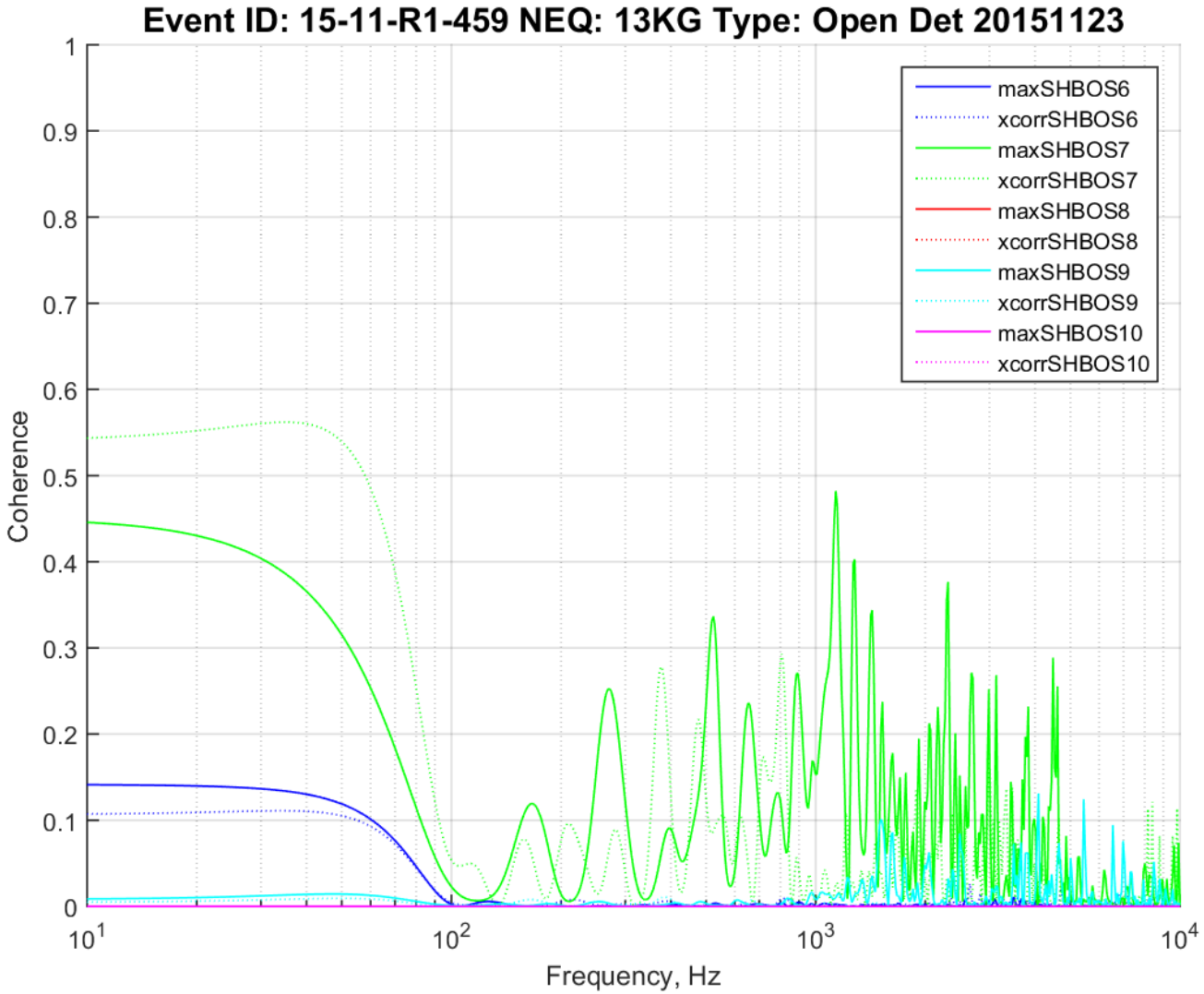


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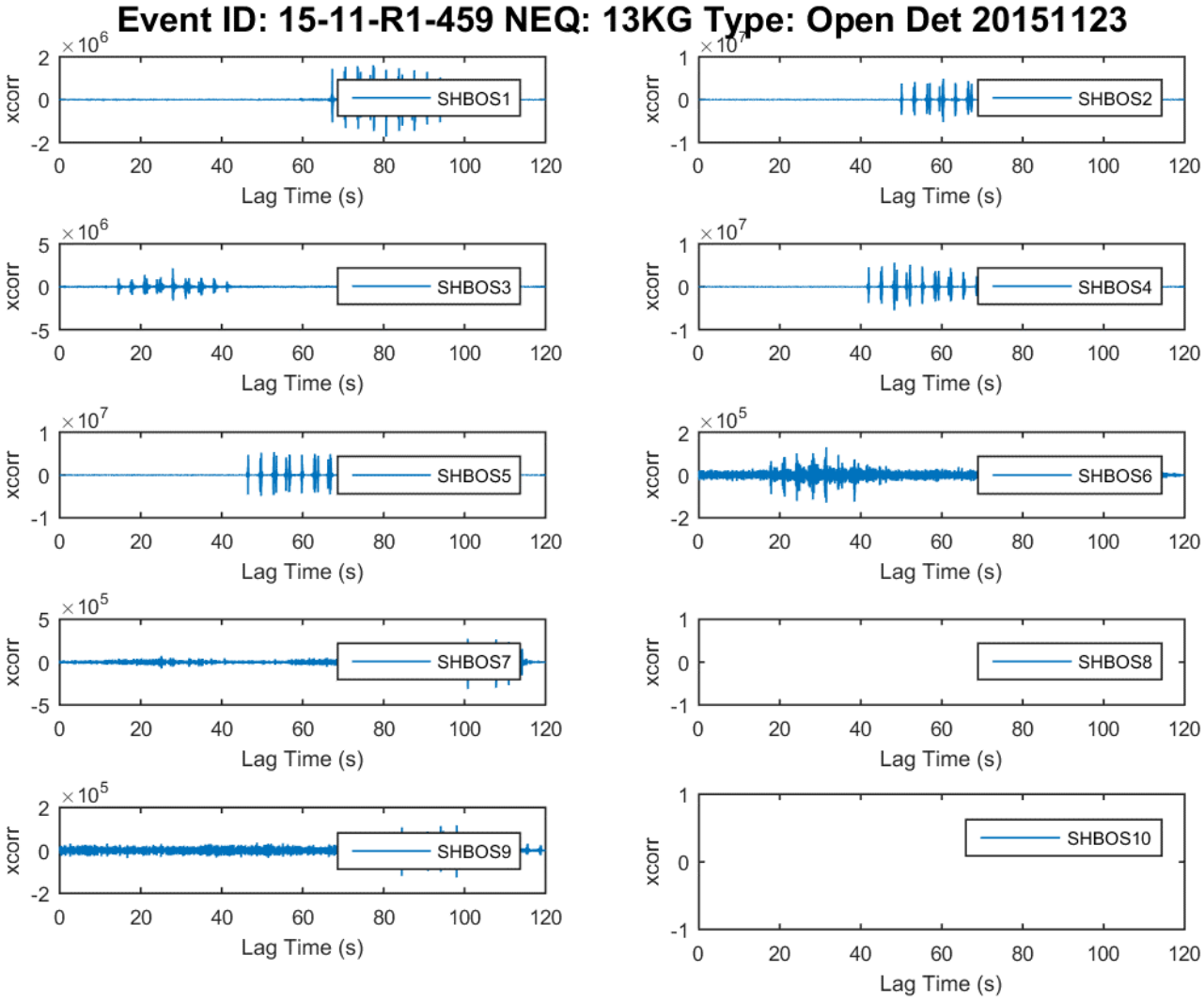


FIGURE 2.1795: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-459

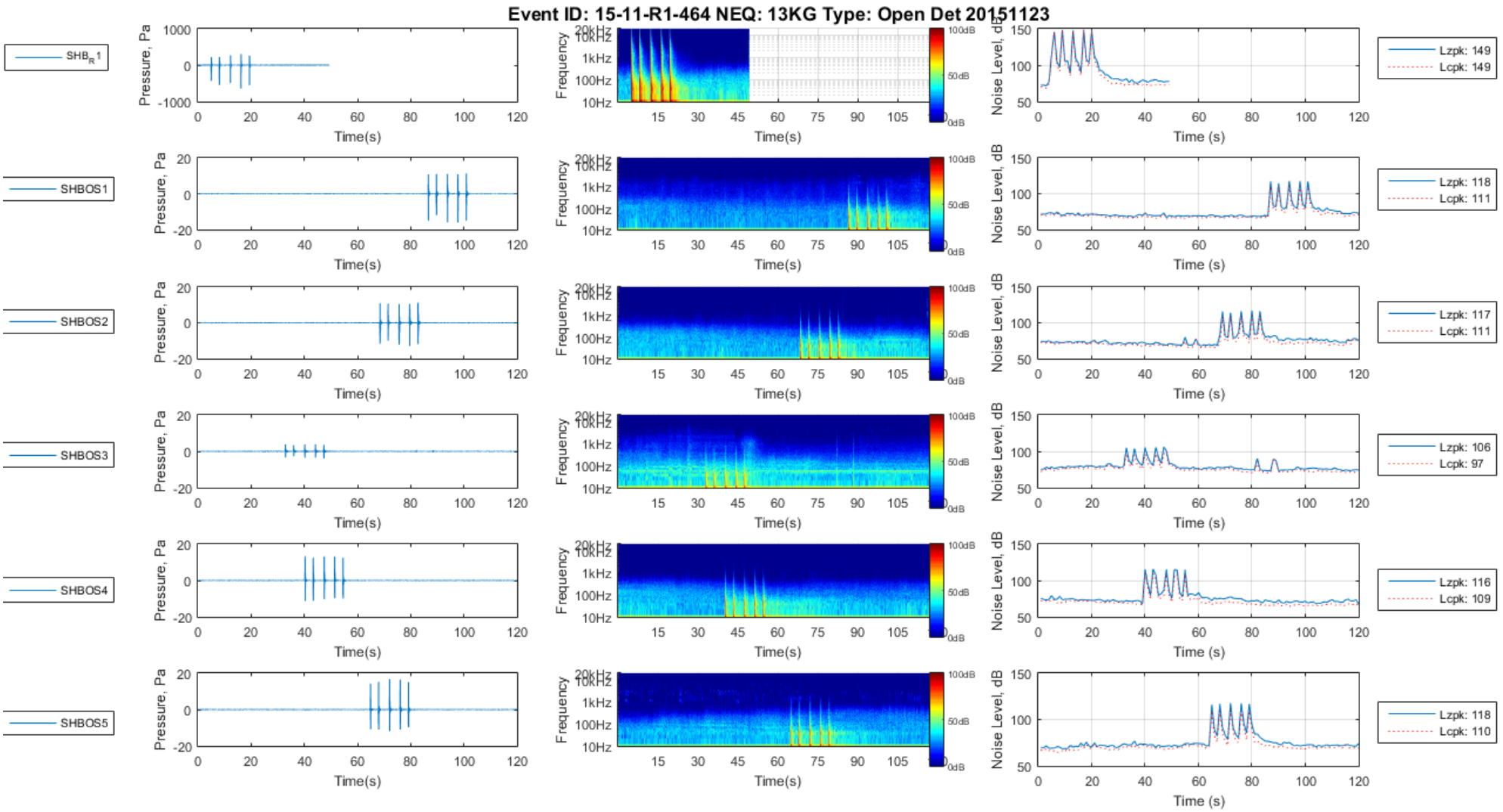


FIGURE 2.1796: SHB_OS 1 - 5 15-11-R1-464

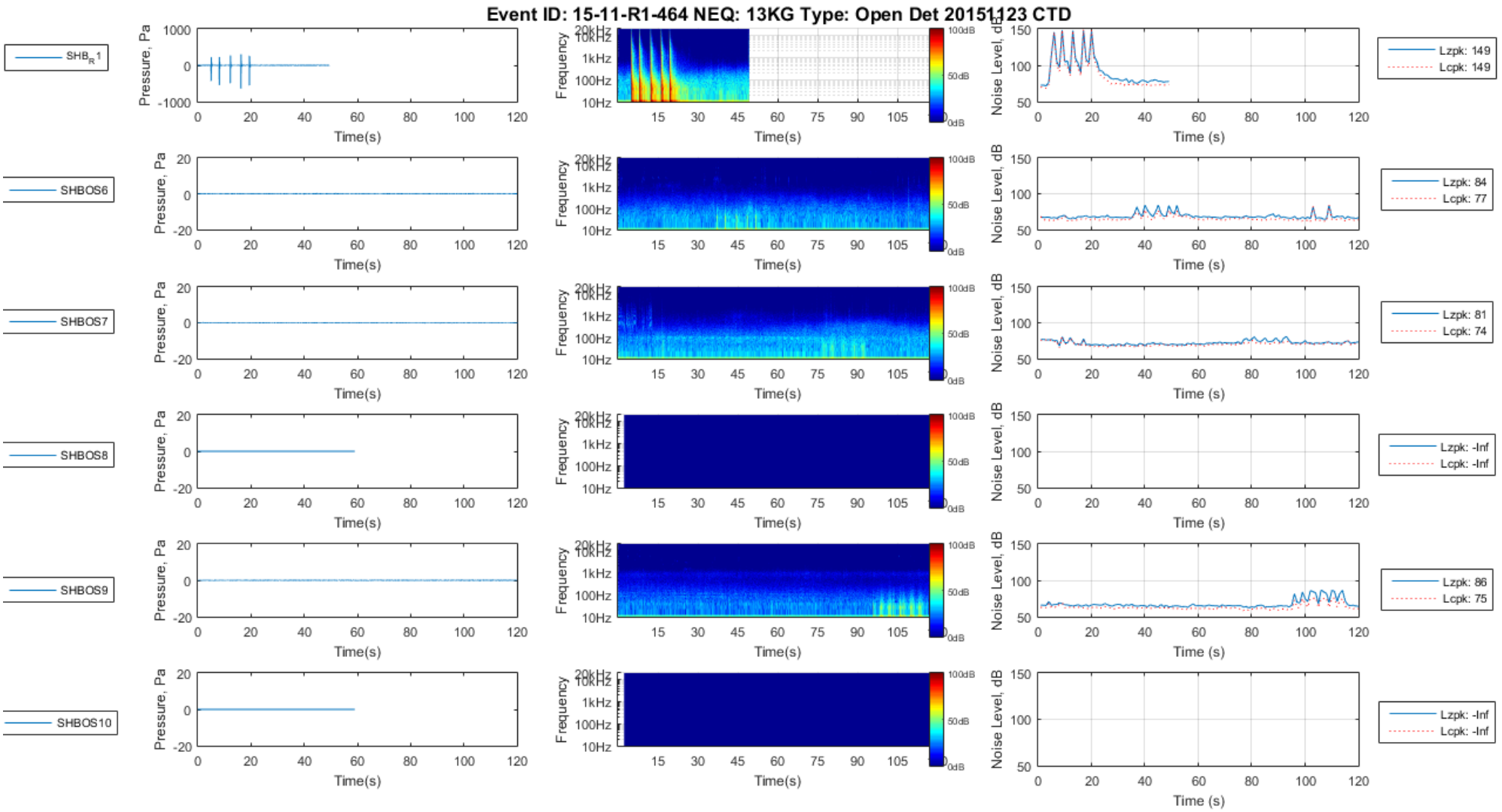


FIGURE 2.1797: SHB_OS 6 - 10 15-11-R1-464

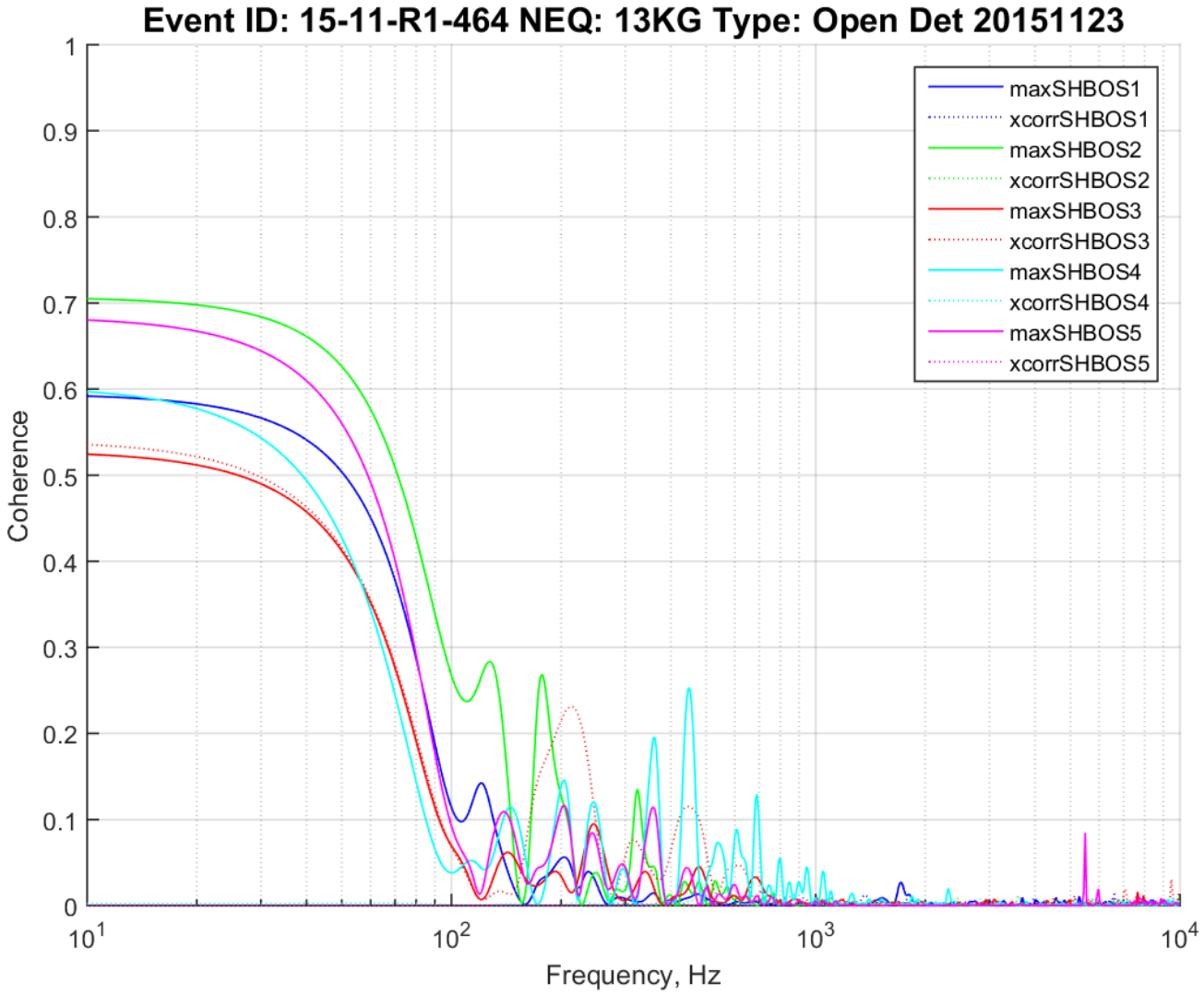


FIGURE 2.1798: COHERENCE SHB_OS 1 - 5 15-11-R1-464

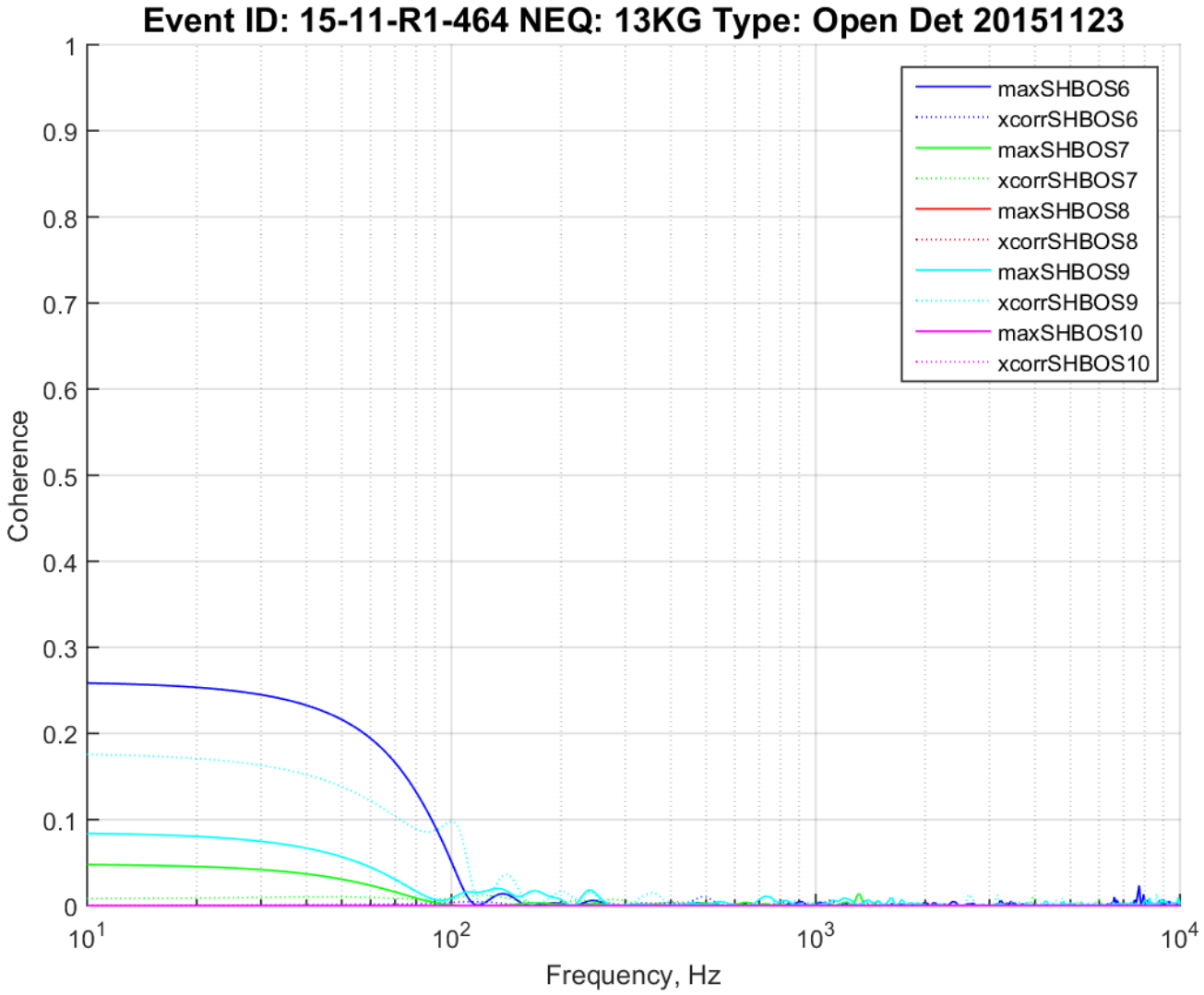


FIGURE 2.1799: COHERENCE SHB_OS 6 - 10 15-11-R1-464CTD

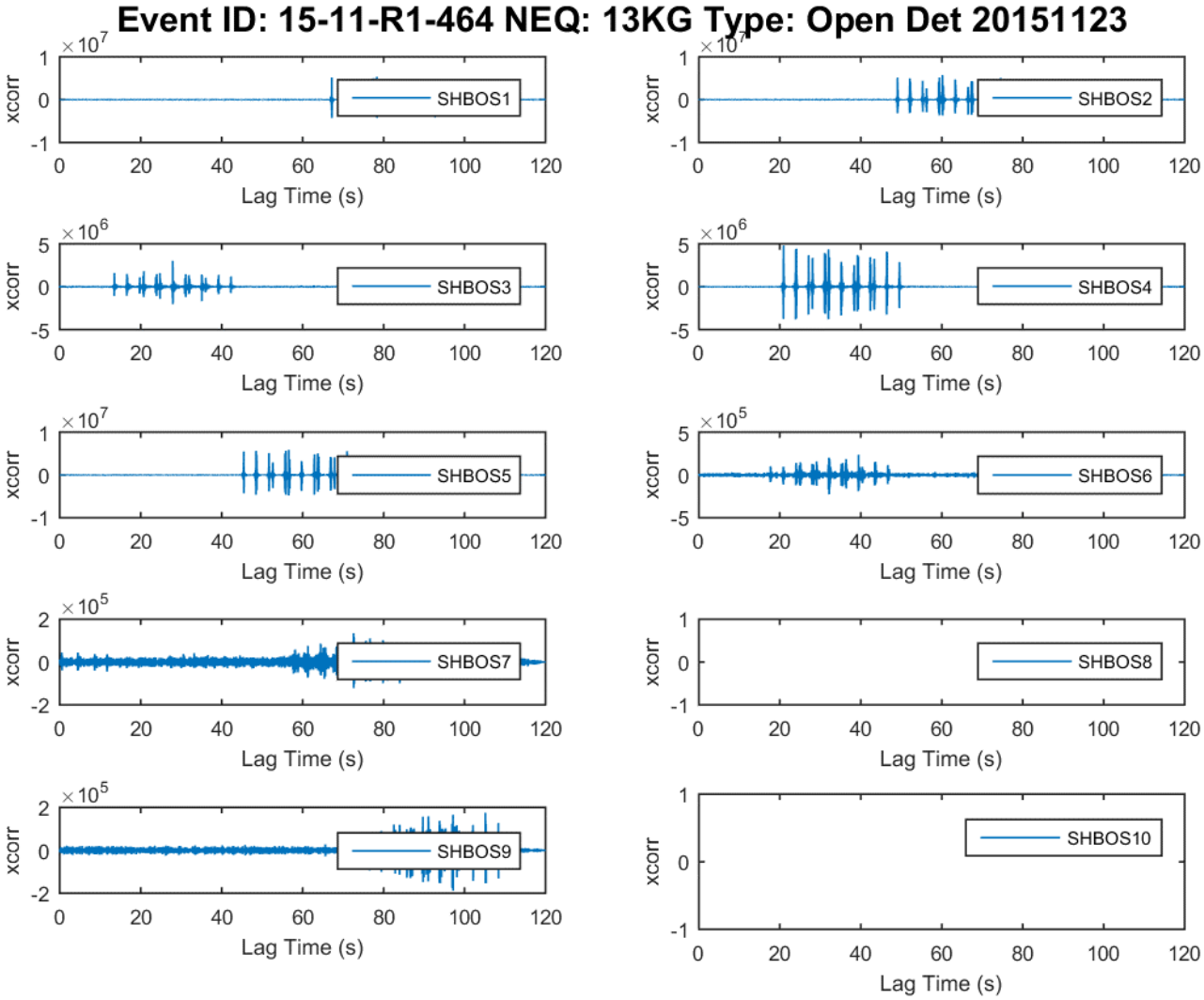


FIGURE 2.1800: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-464

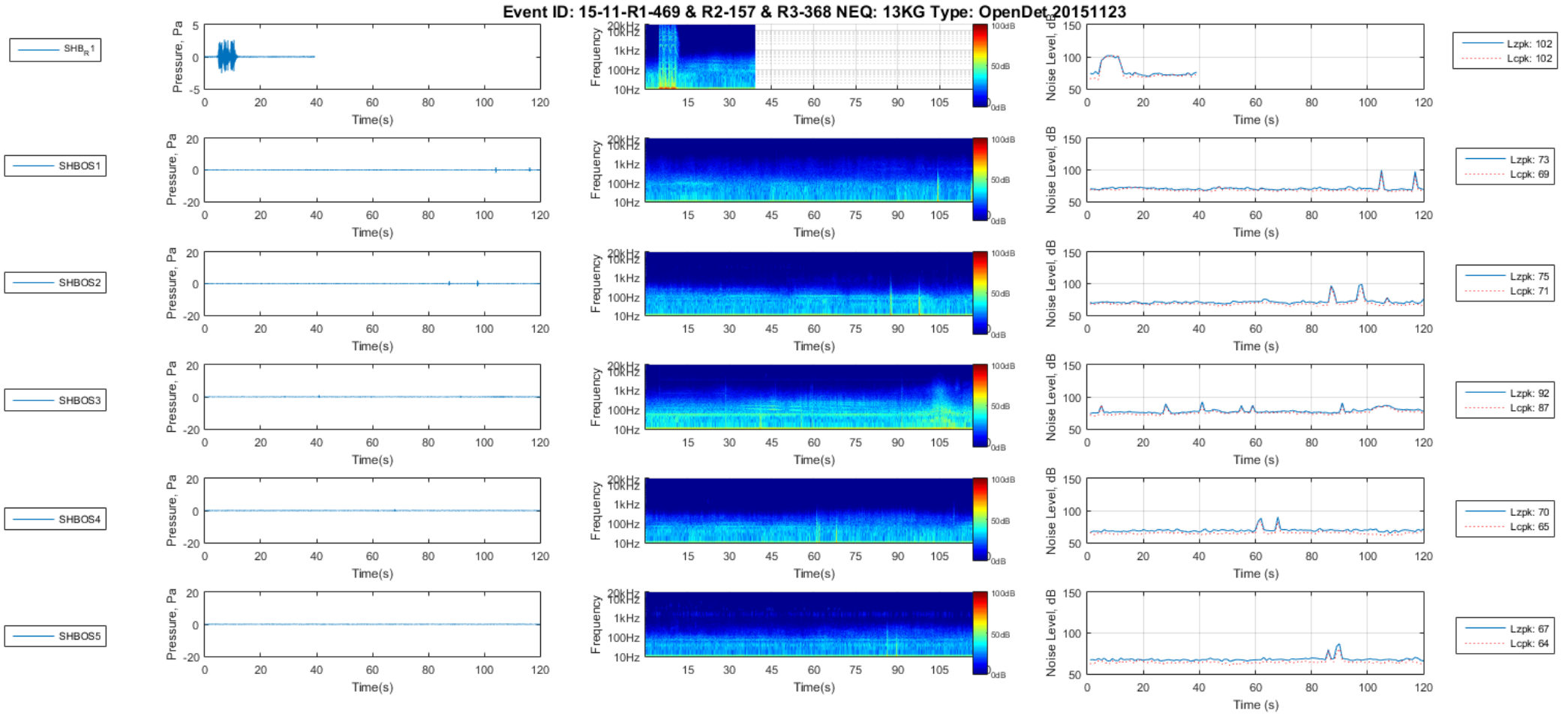


FIGURE 2.1801: SHB_OS 1 - 5 15-11-R1-469 & R2-157 & R3-368

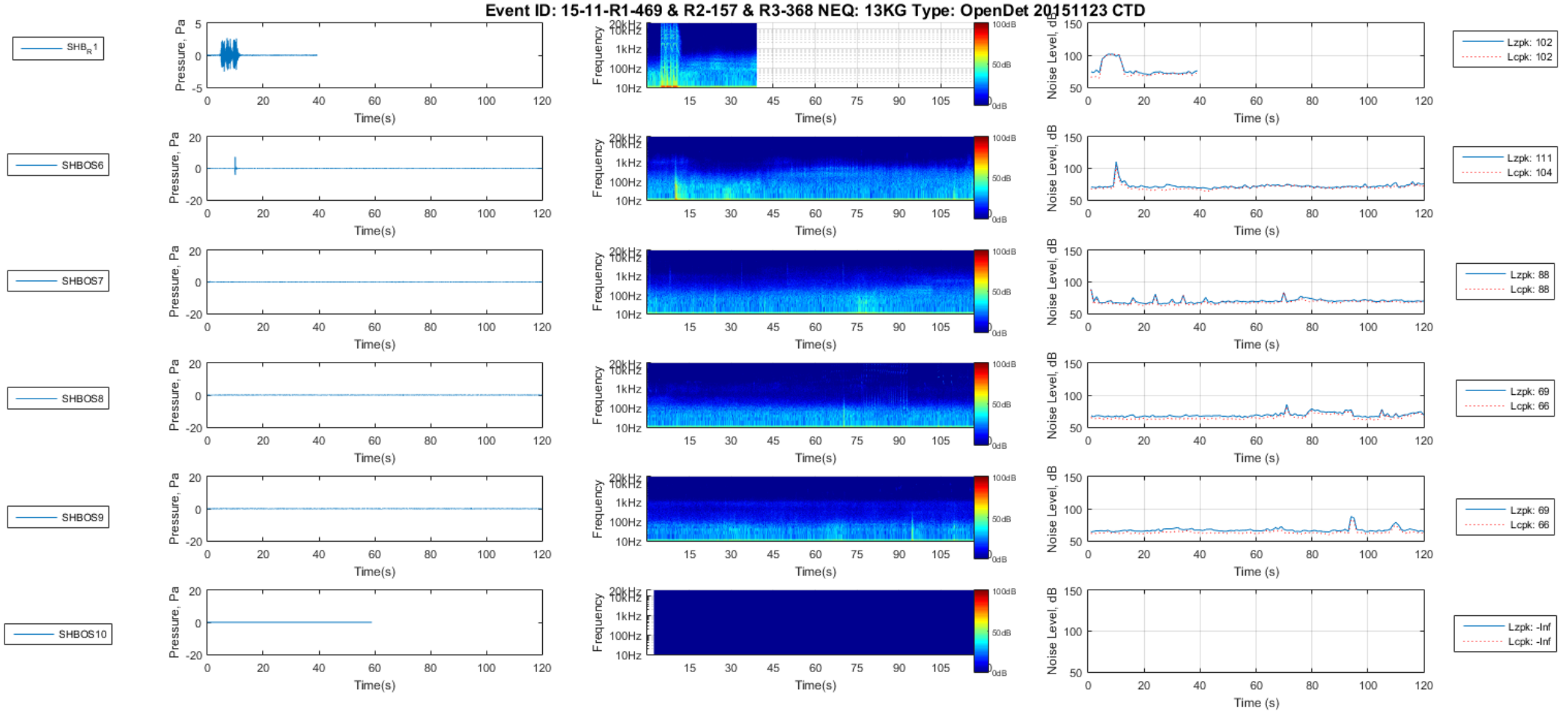


FIGURE 2.1802: SHB_OS 6 - 10 15-11-R1-469 & R2-157 & R3-368

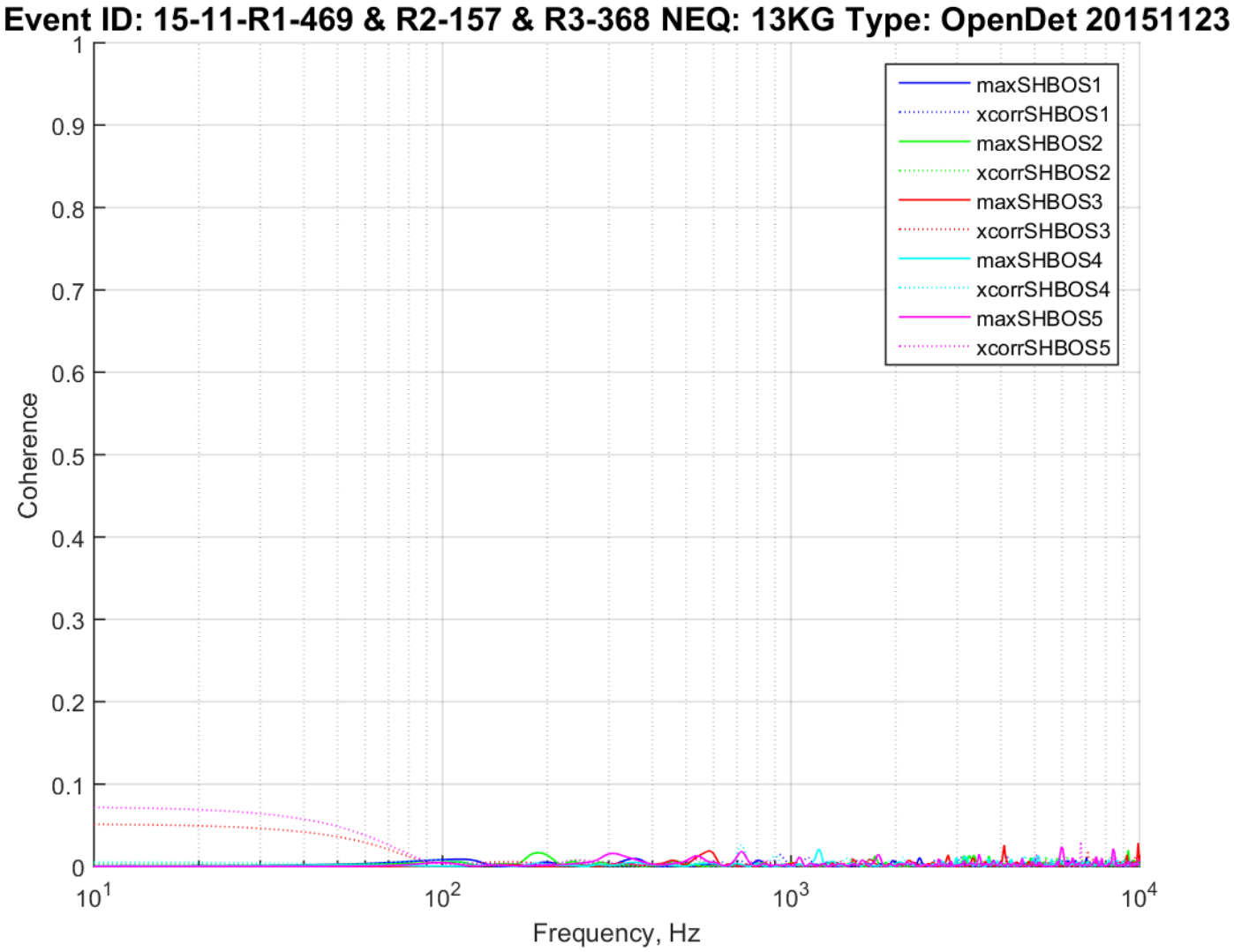


FIGURE 2.1803: COHERENCE SHB_OS 1 - 5 15-11-R1-469 & R2-157 & R3-368

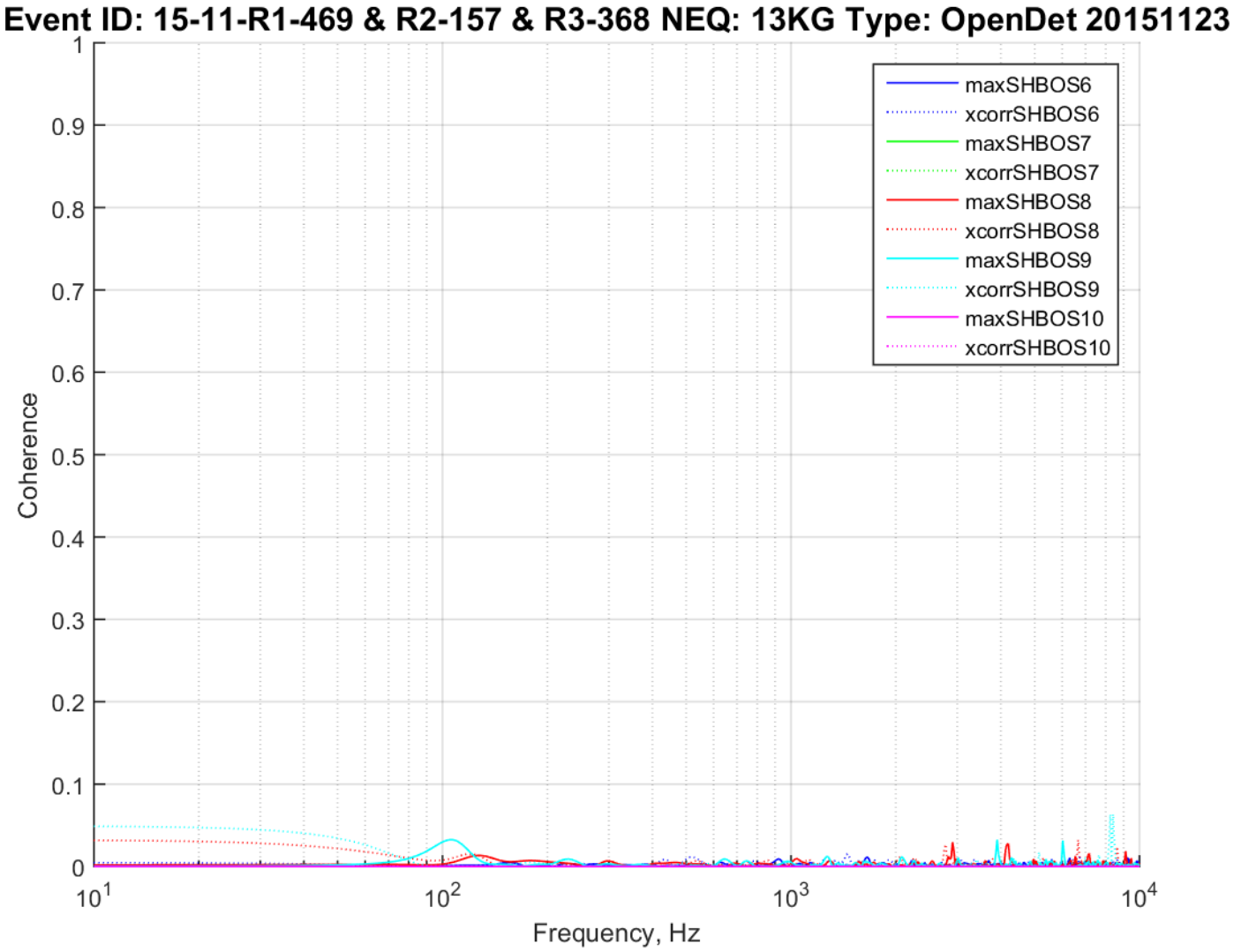


FIGURE 2.1804: COHERENCE SHB_OS 6 - 10 15-11-R1-469 & R2-157 & R3-368CTD

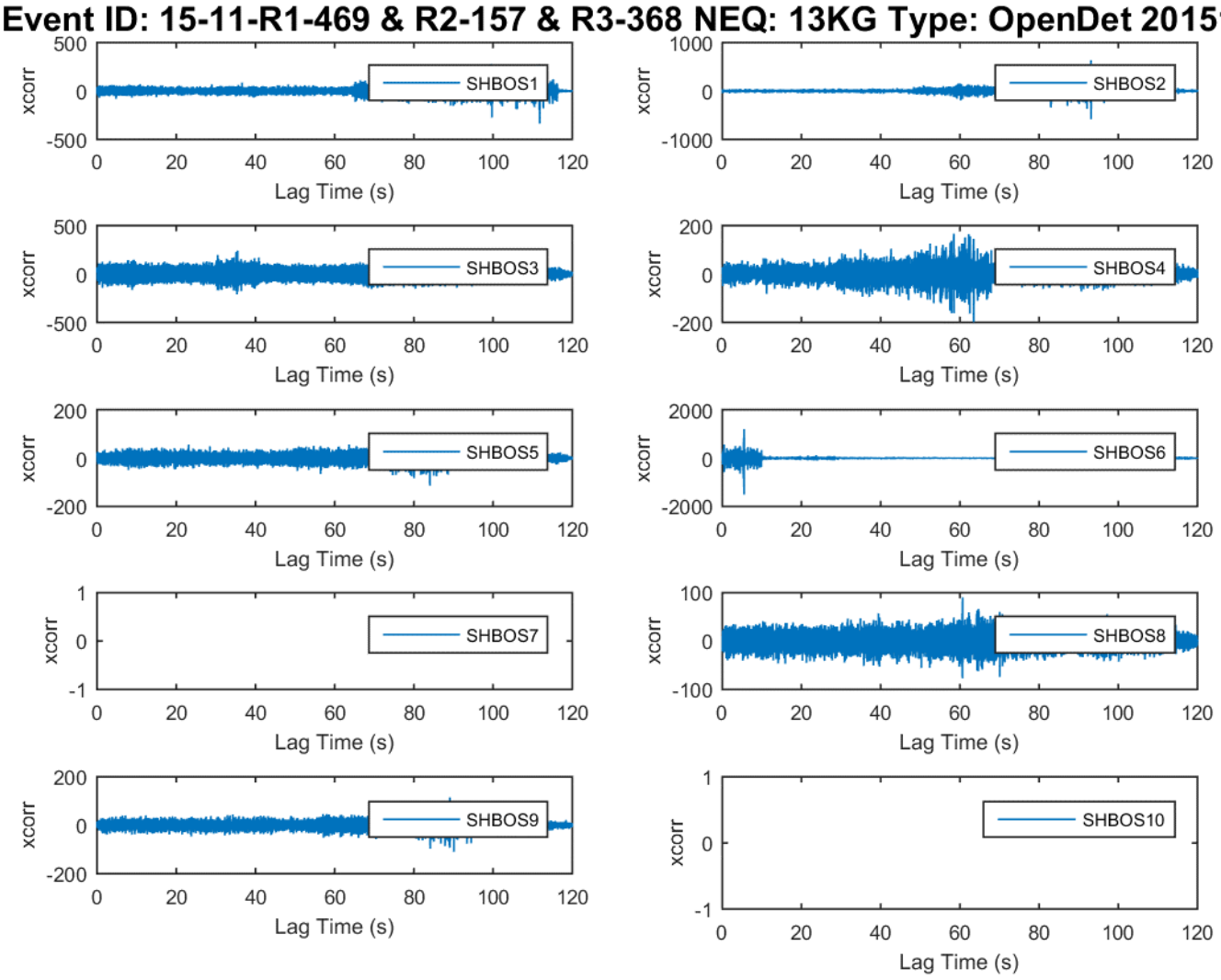


FIGURE 2.1805: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-469 & R2-157 & R3-368

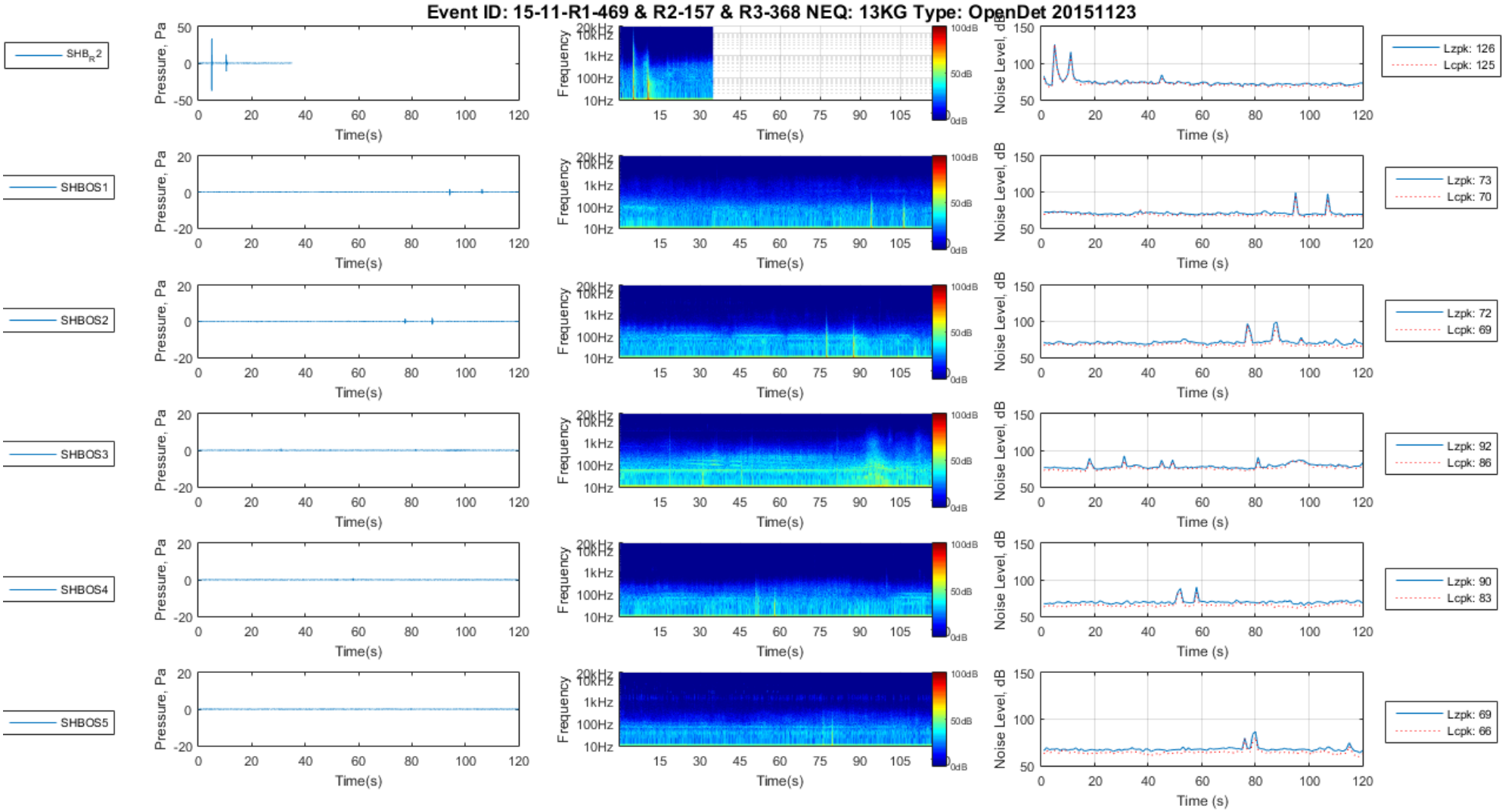


FIGURE 2.1806: SHB_OS 1 - 5 15-11-R1-469 & R2-157 & R3-368

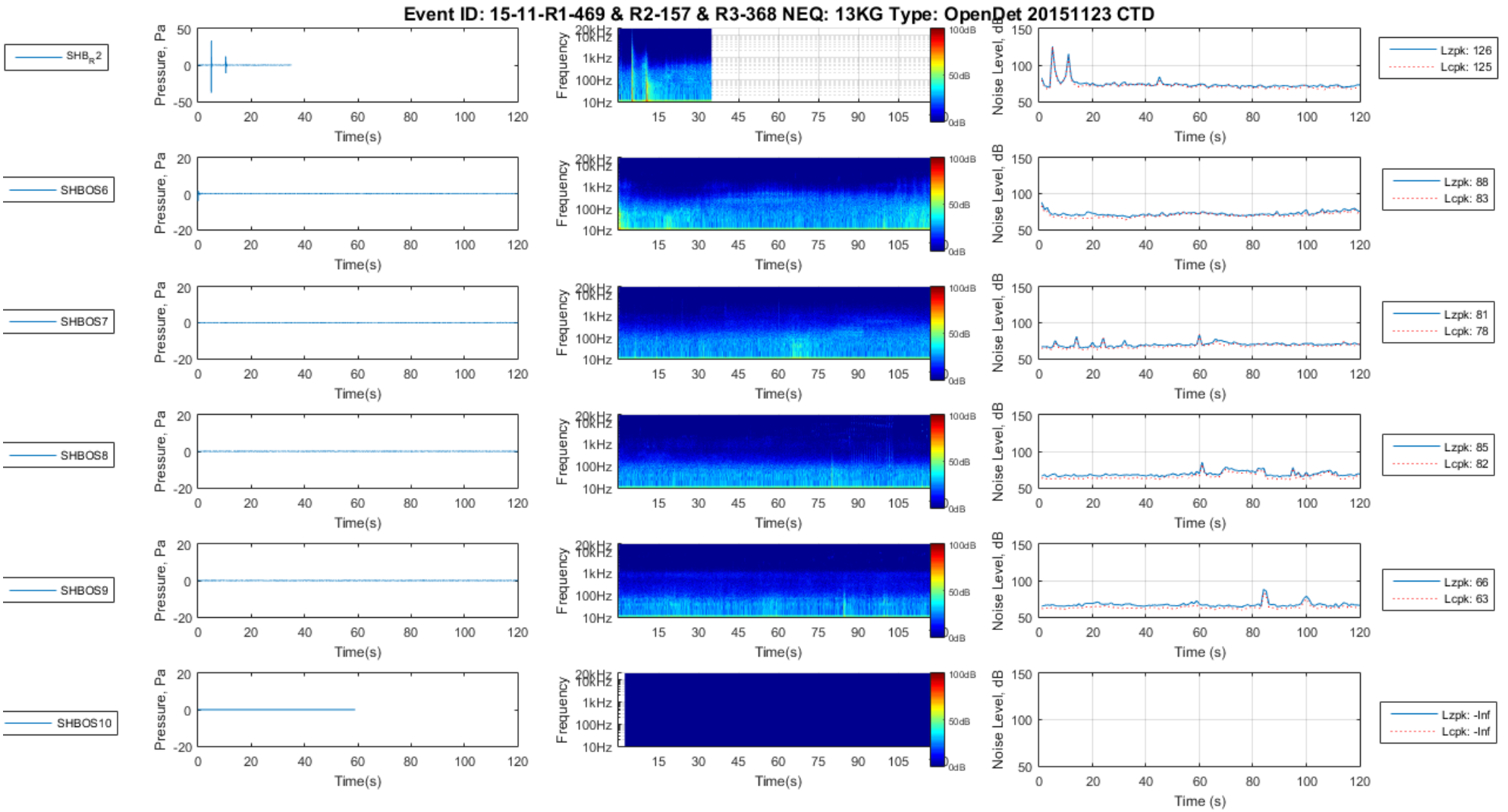


FIGURE 2.1807: SHB_OS 6 - 10 15-11-R1-469 & R2-157 & R3-368

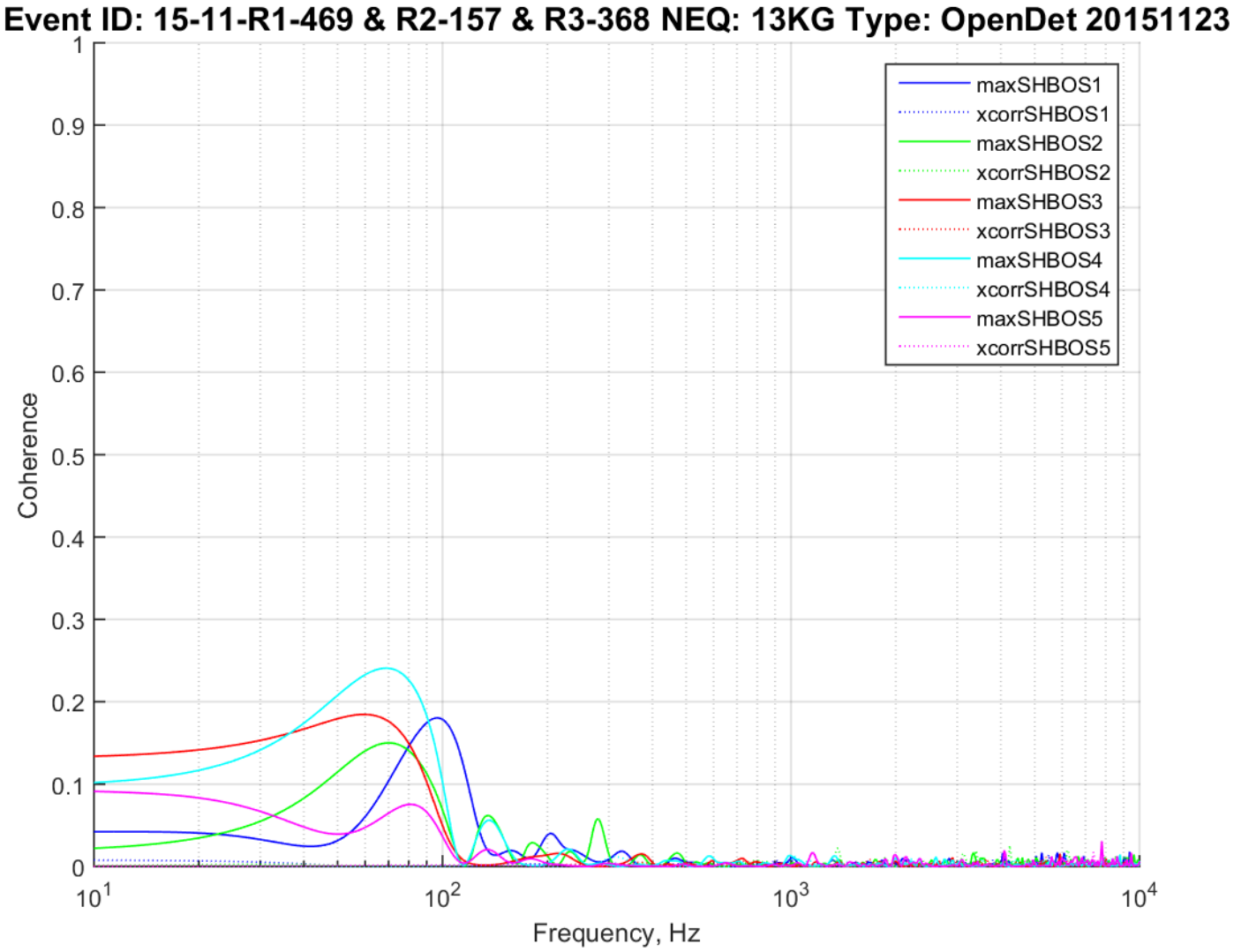


FIGURE 2.1808: COHERENCE SHB_OS 1 - 5 15-11-R1-469 & R2-157 & R3-368

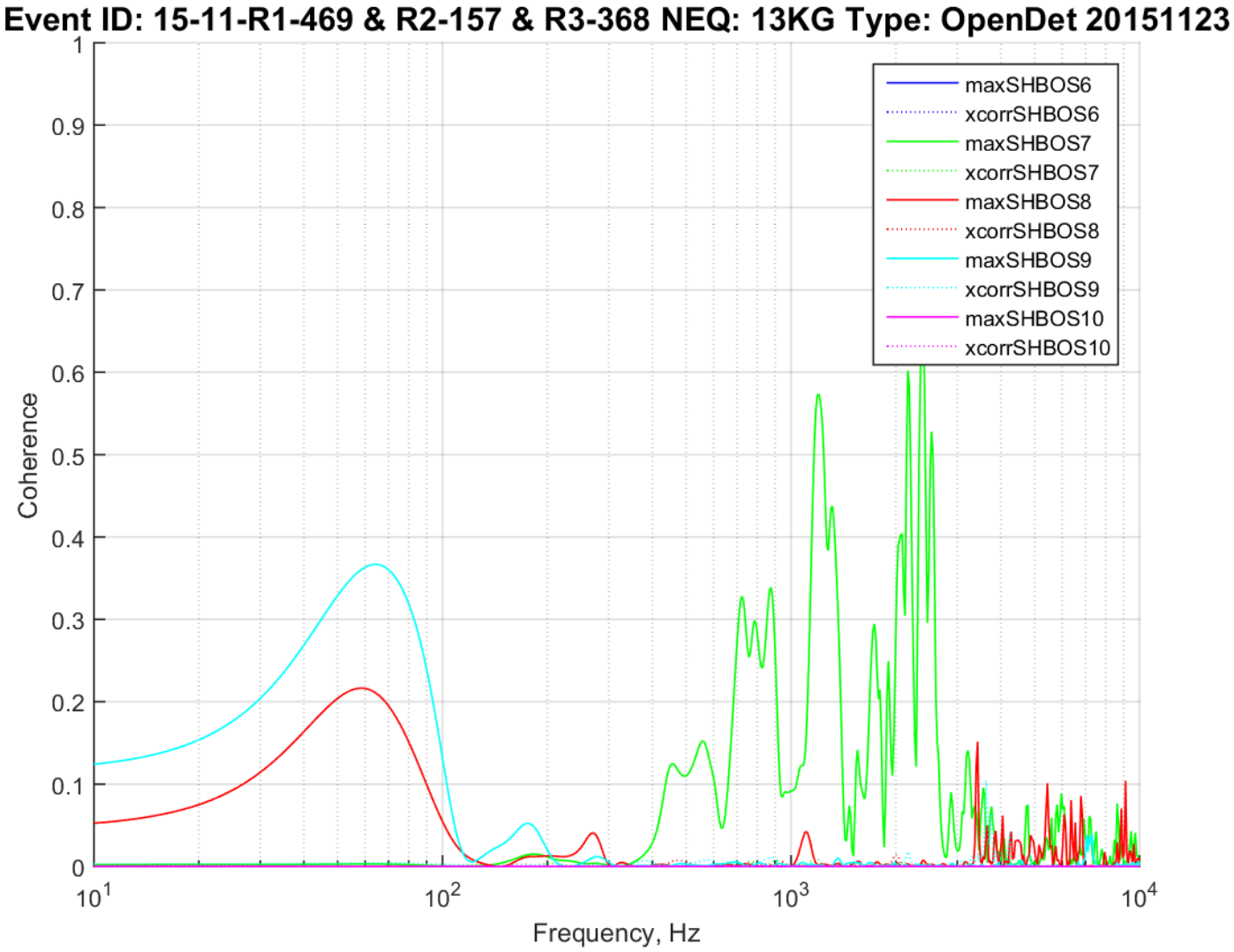


FIGURE 2.1809: COHERENCE SHB_OS 6 - 10 15-11-R1-469 & R2-157 & R3-368CTD

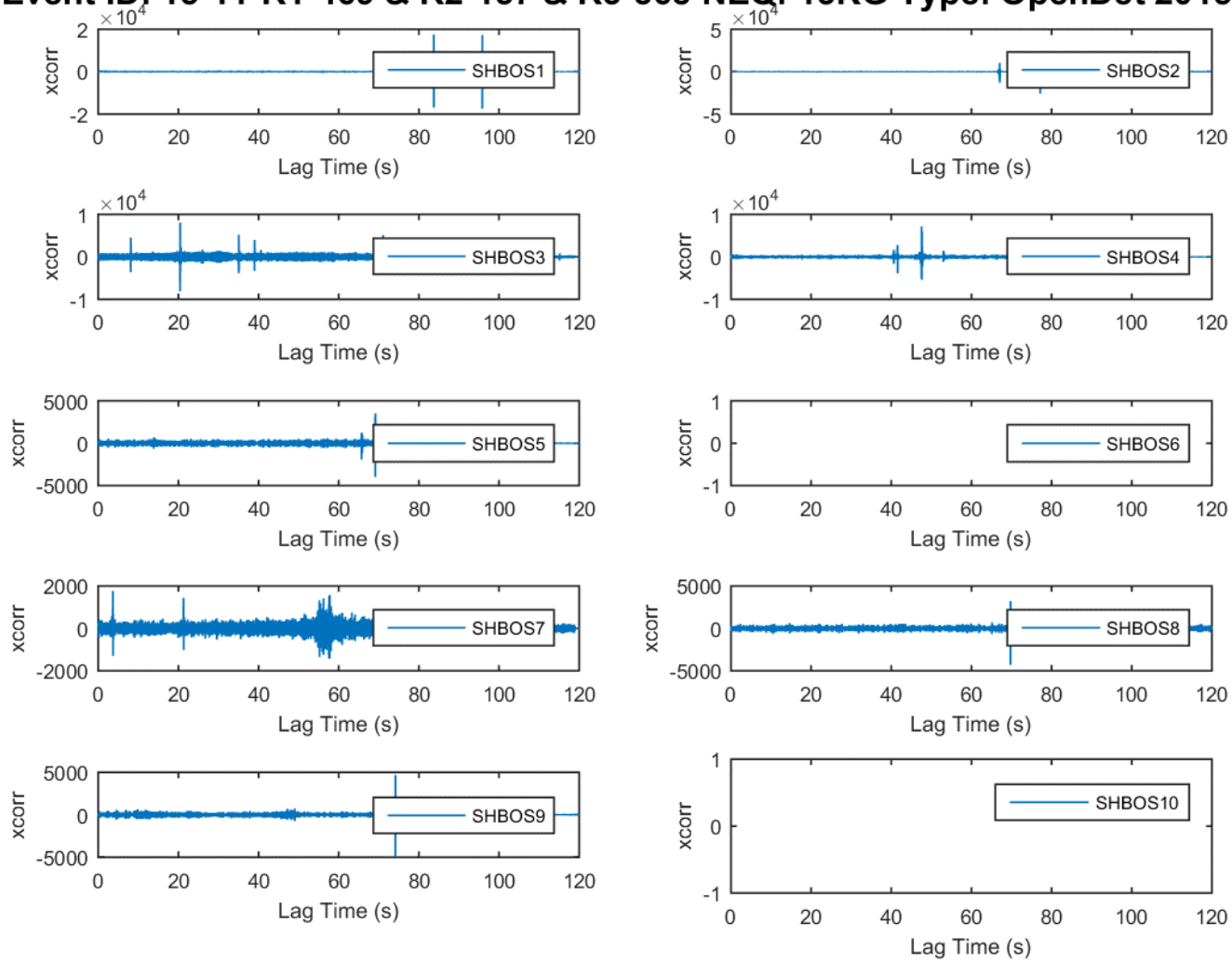


FIGURE 2.1810: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-469 & R2-157 & R3-368

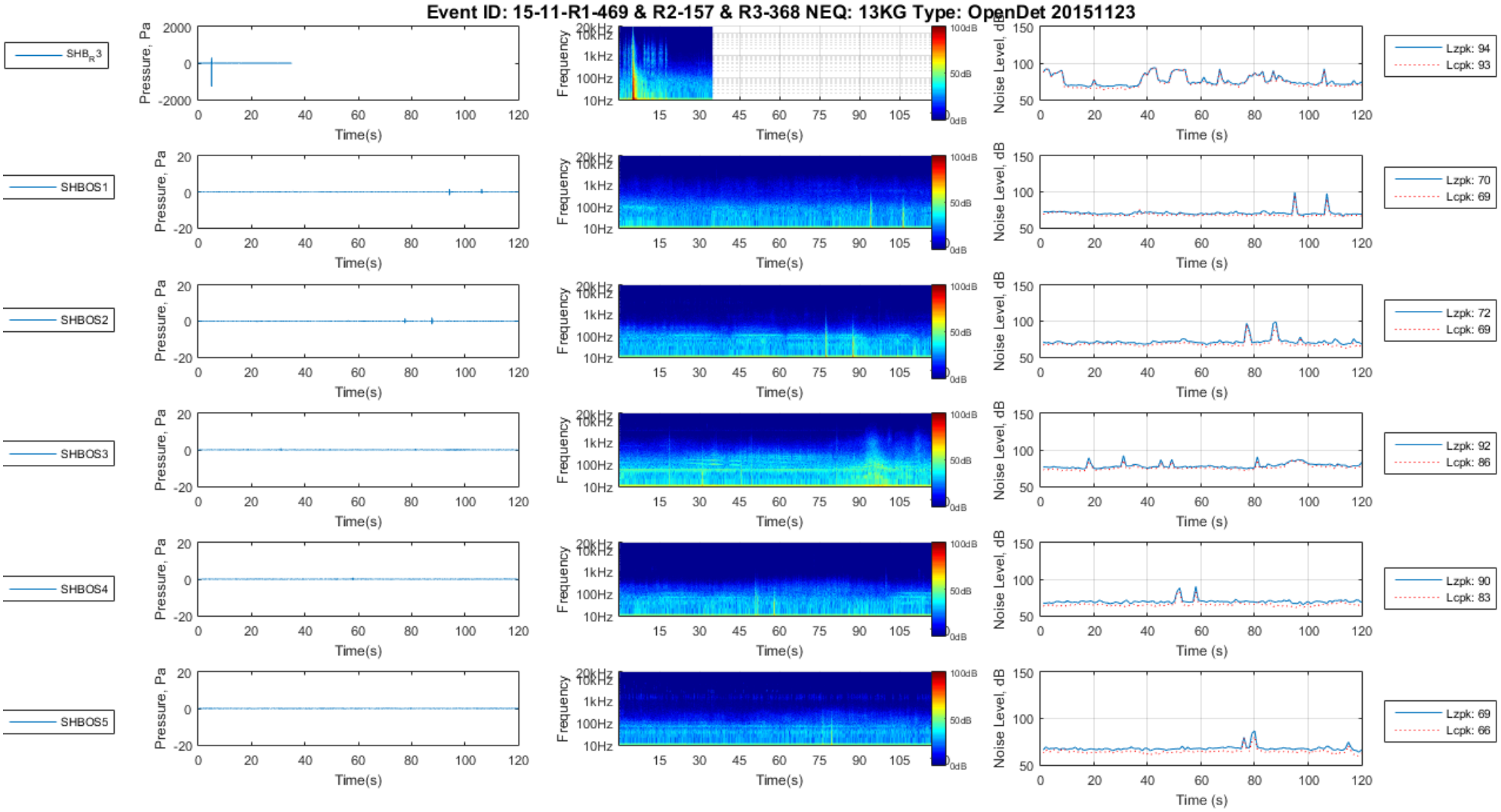


FIGURE 2.1811: SHB_OS 1 - 5 15-11-R1-469 & R2-157 & R3-368

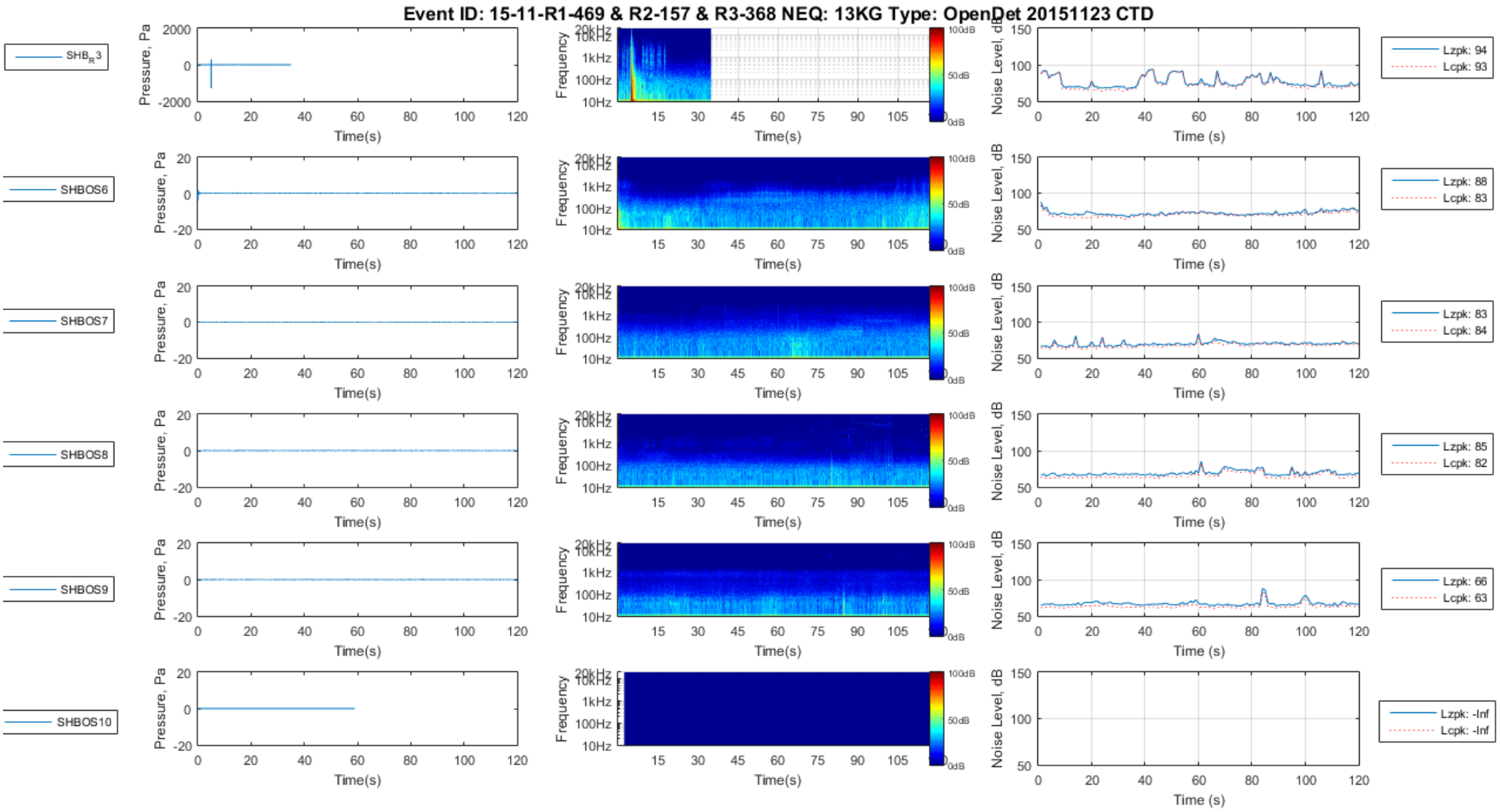


FIGURE 2.1812: SHB_OS 6 - 10 15-11-R1-469 & R2-157 & R3-368

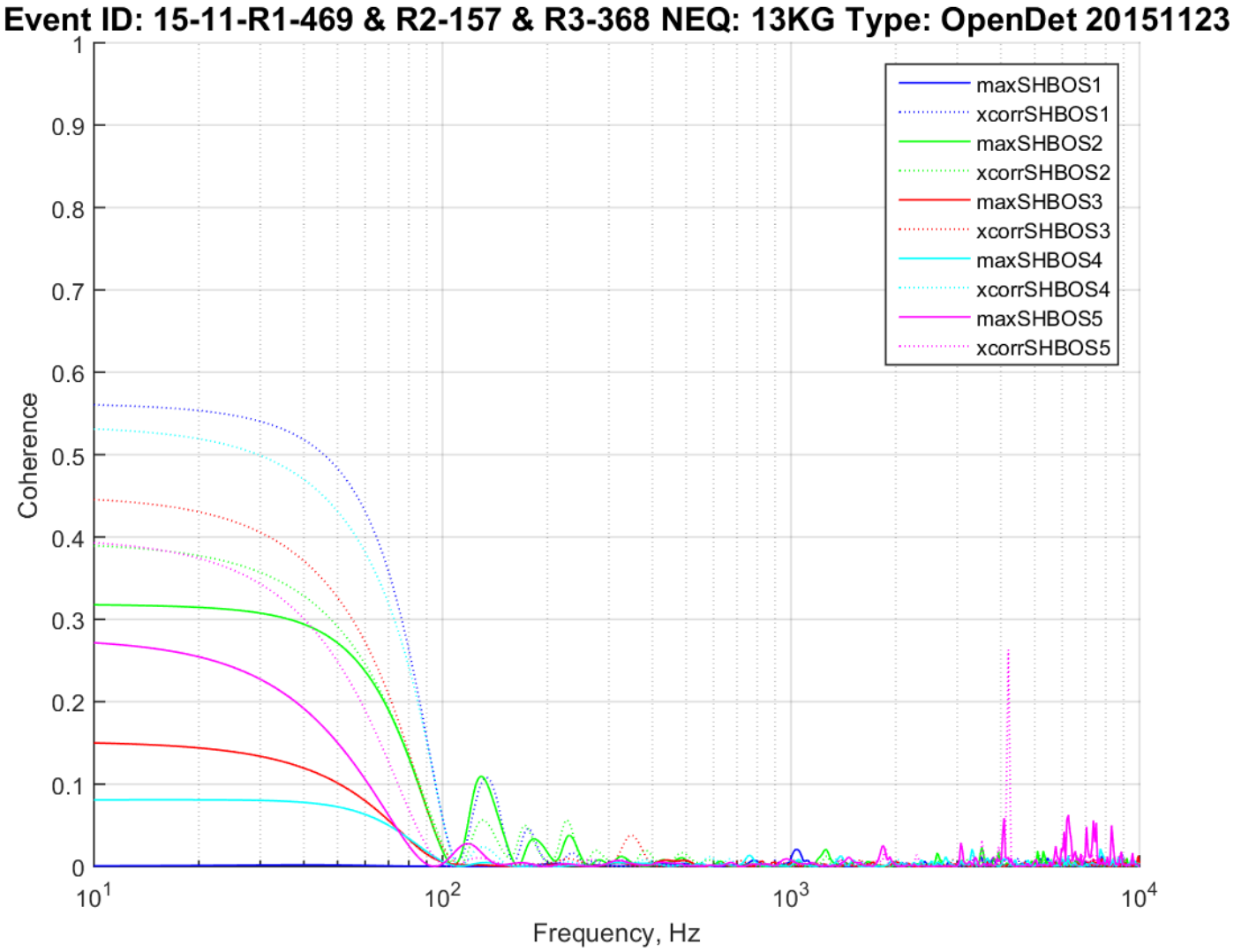


FIGURE 2.1813: COHERENCE SHB_OS 1 - 5 15-11-R1-469 & R2-157 & R3-368

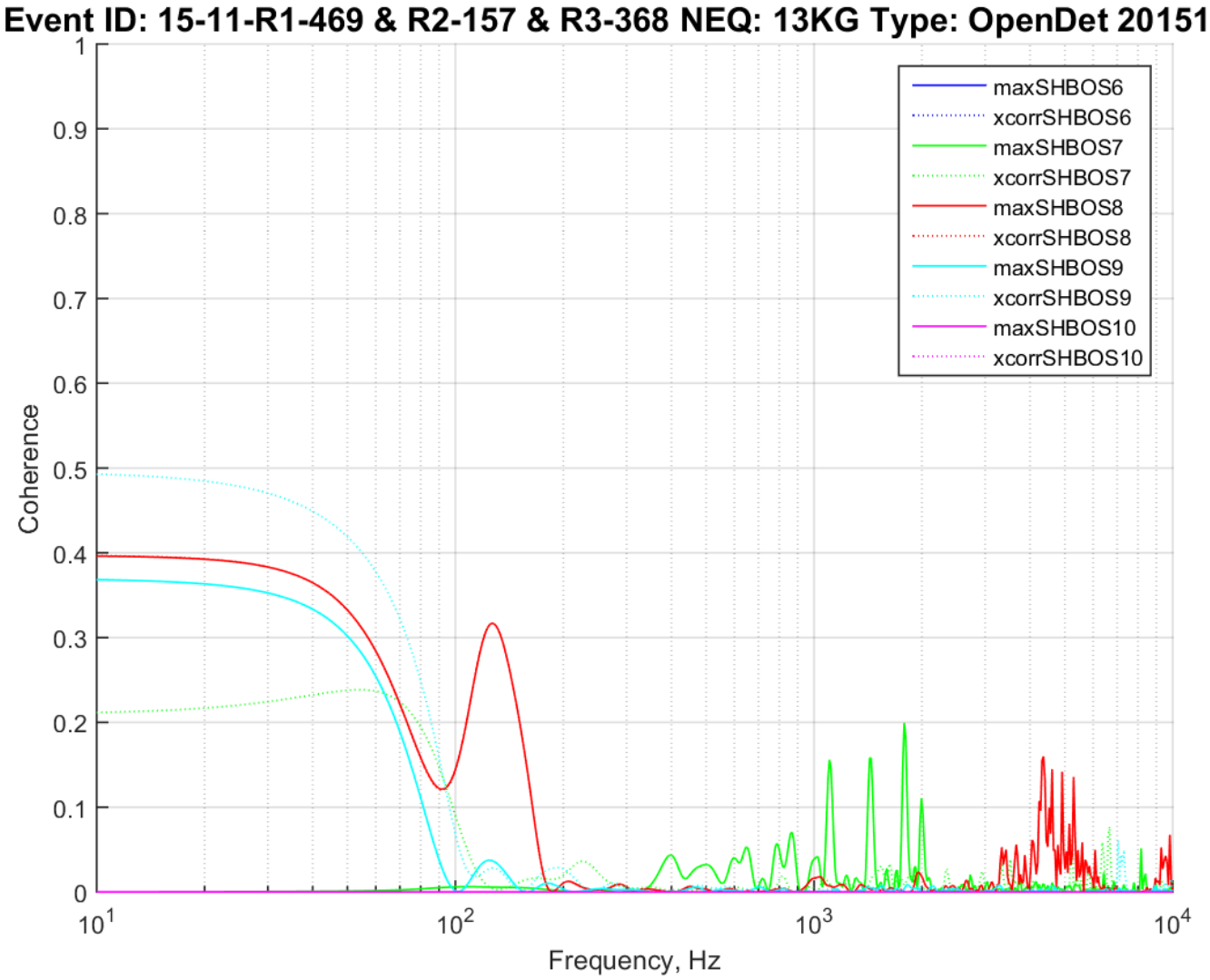


FIGURE 2.1814: COHERENCE SHB_OS 6 - 10 15-11-R1-469 & R2-157 & R3-368CTD

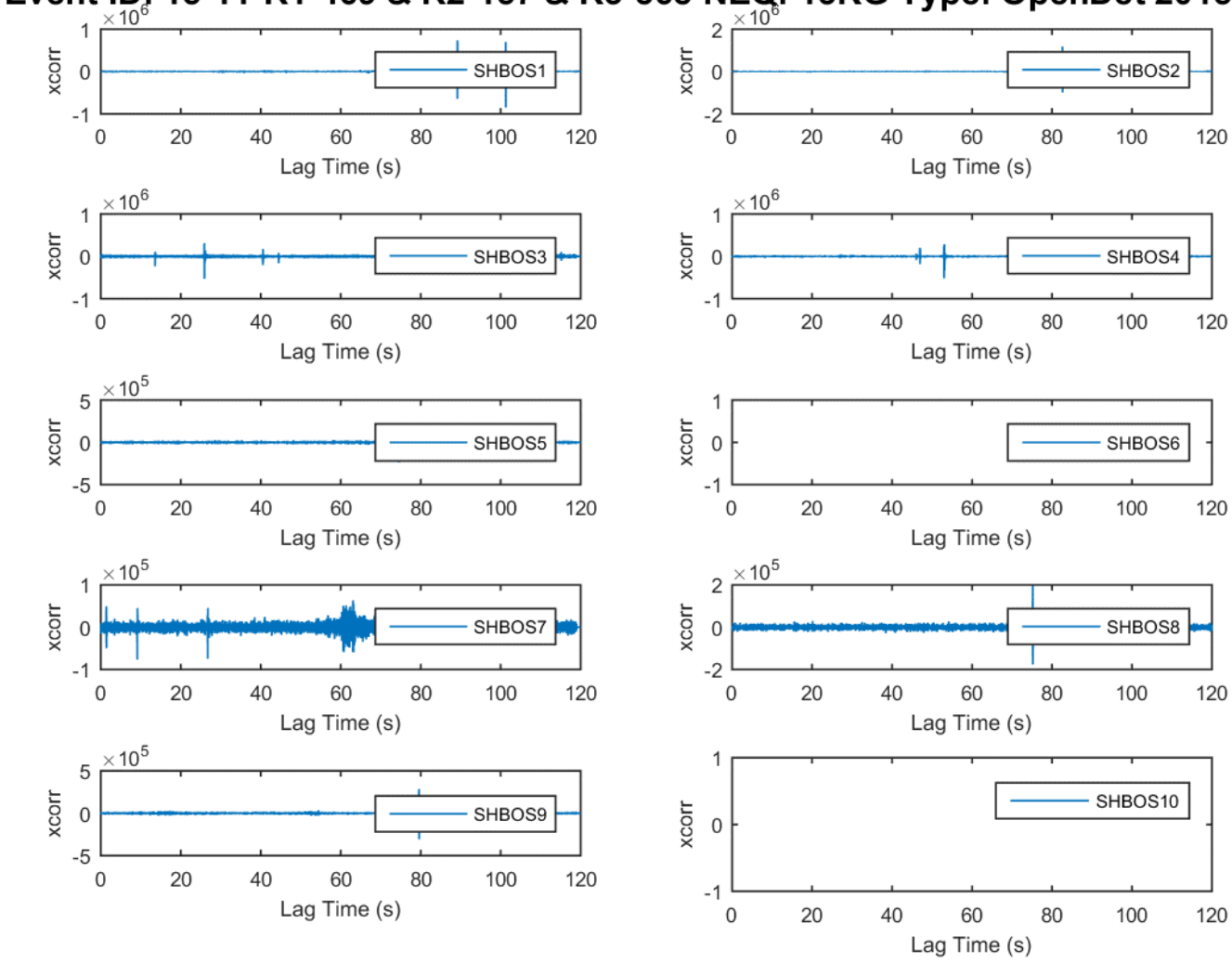


FIGURE 2.1815: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-469 & R2-157 & R3-368

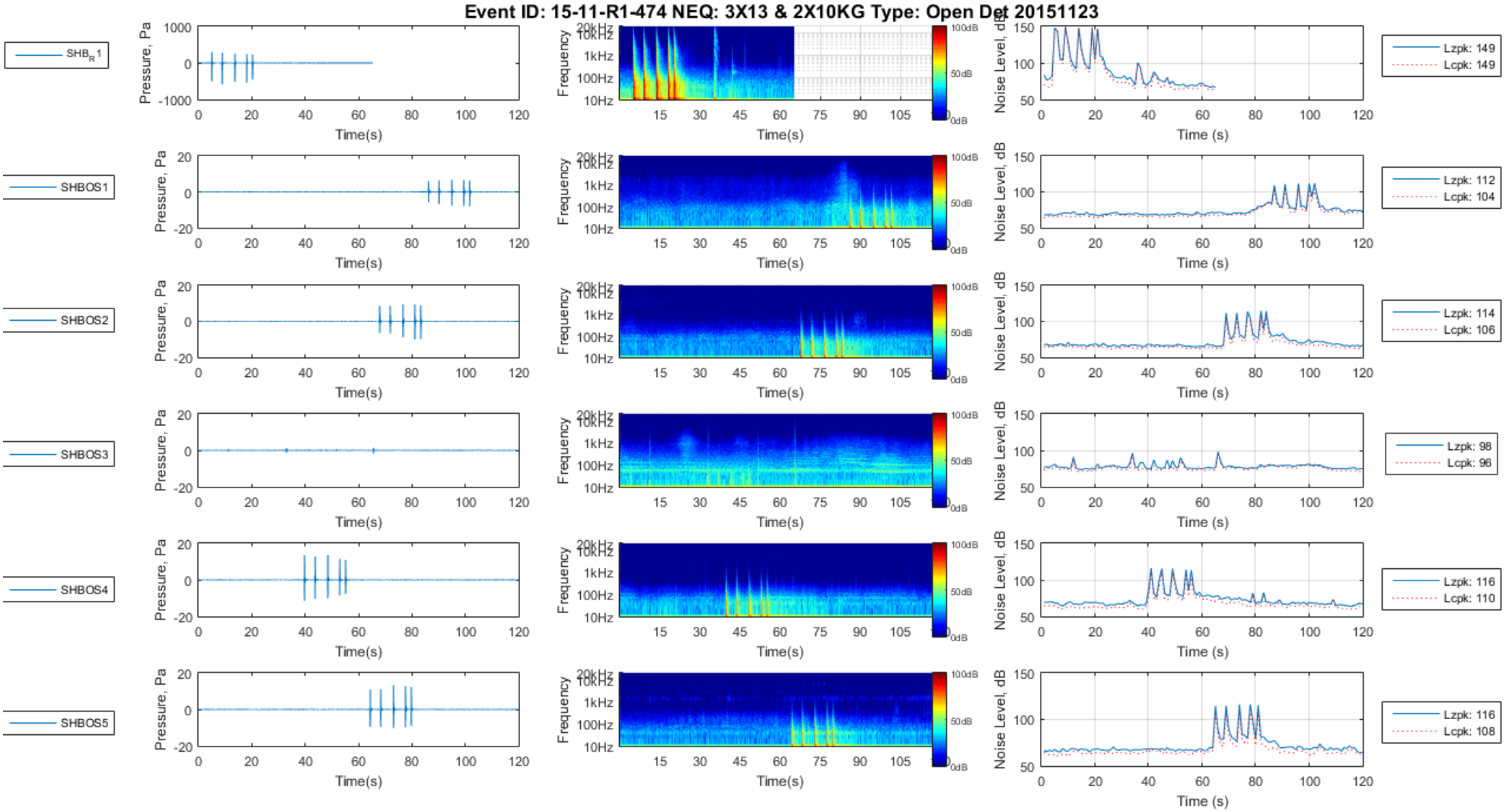


FIGURE 2.1816: SHB_OS 1 - 5 15-11-R1-474

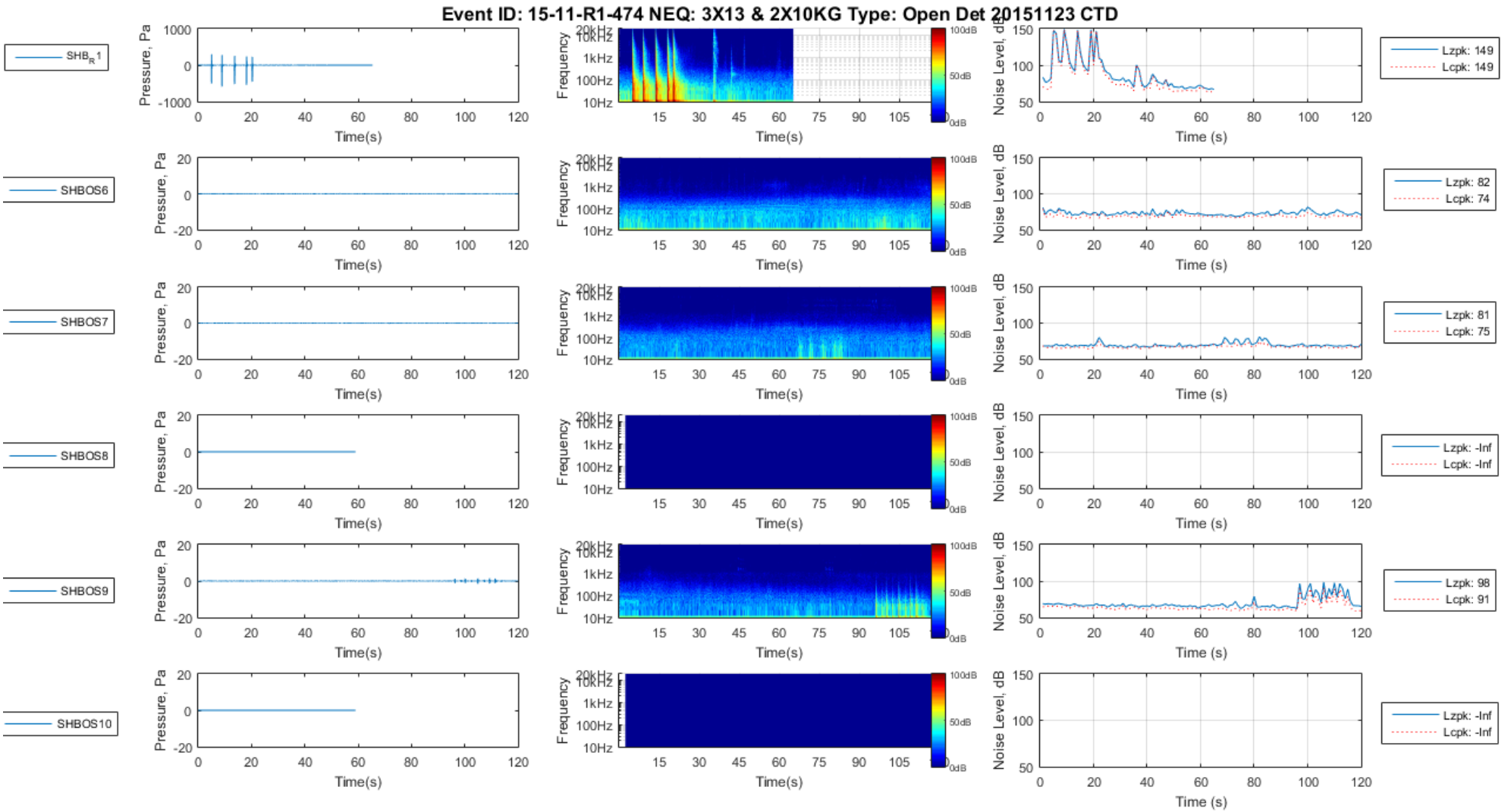


FIGURE 2.1817: SHB_OS 6 - 10 15-11-R1-474

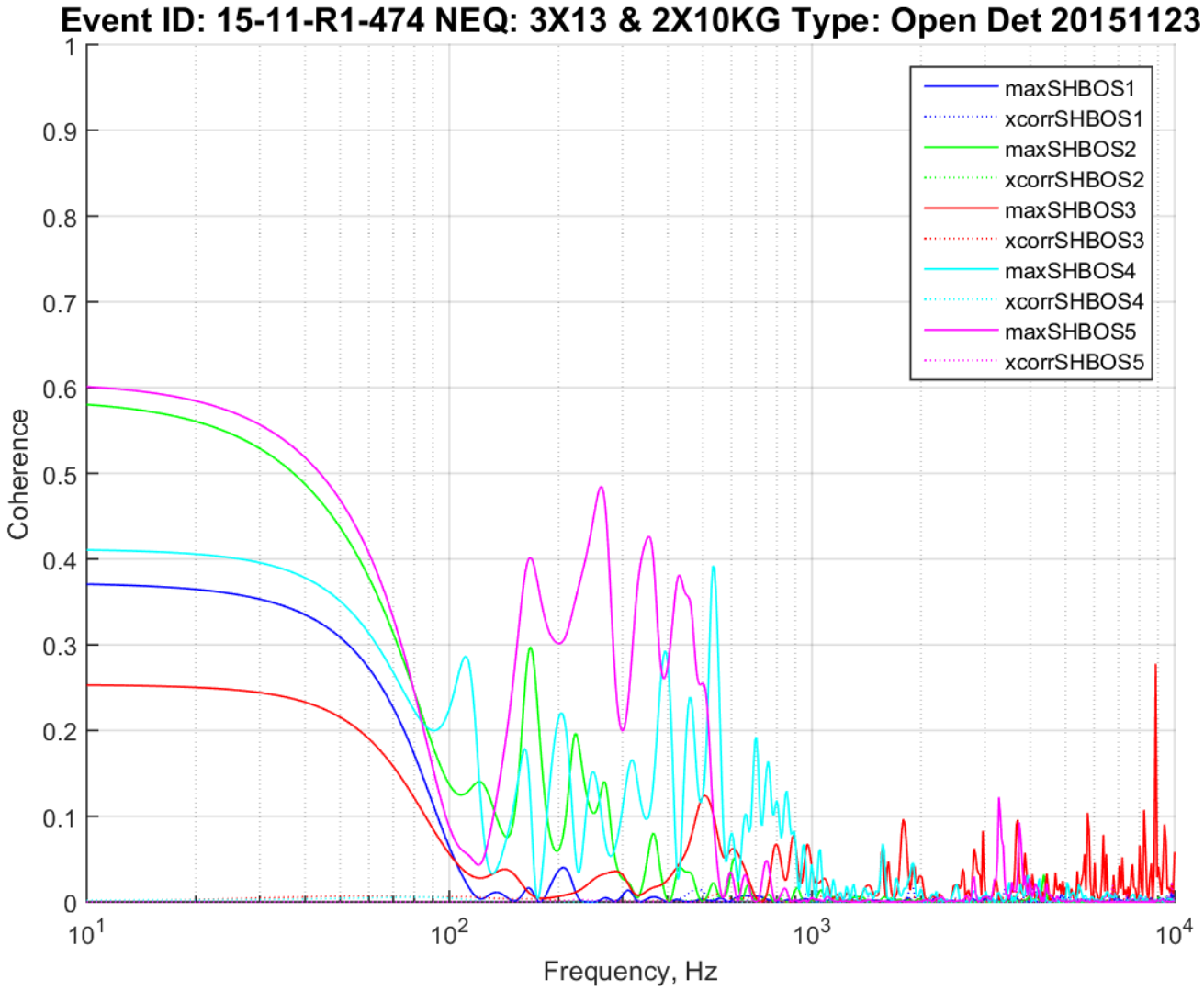


FIGURE 2.1818: COHERENCE SHB_OS 1 - 5 15-11-R1-474

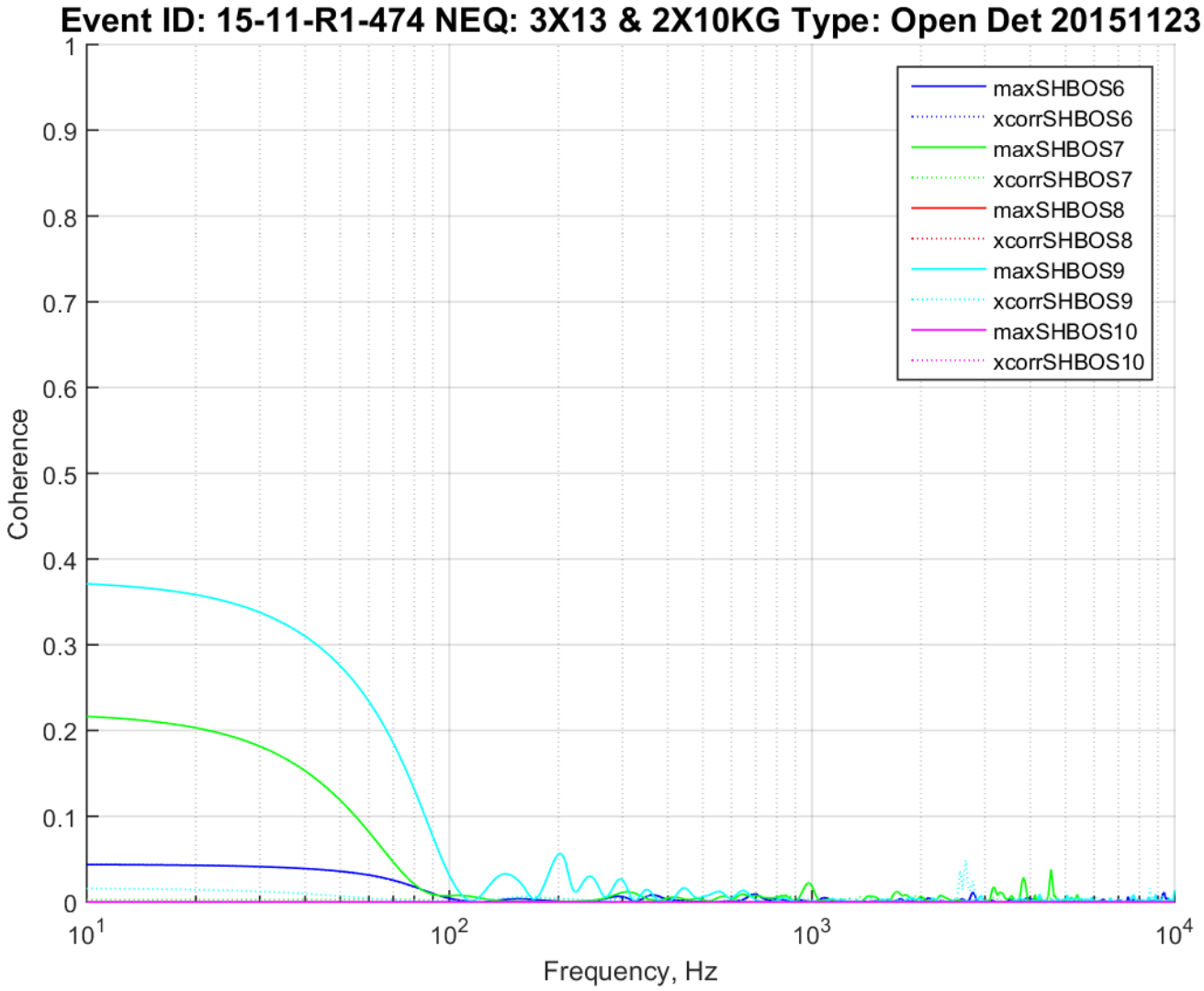


FIGURE 2.1819: COHERENCE SHB_OS 6 - 10 15-11-R1-474CTD

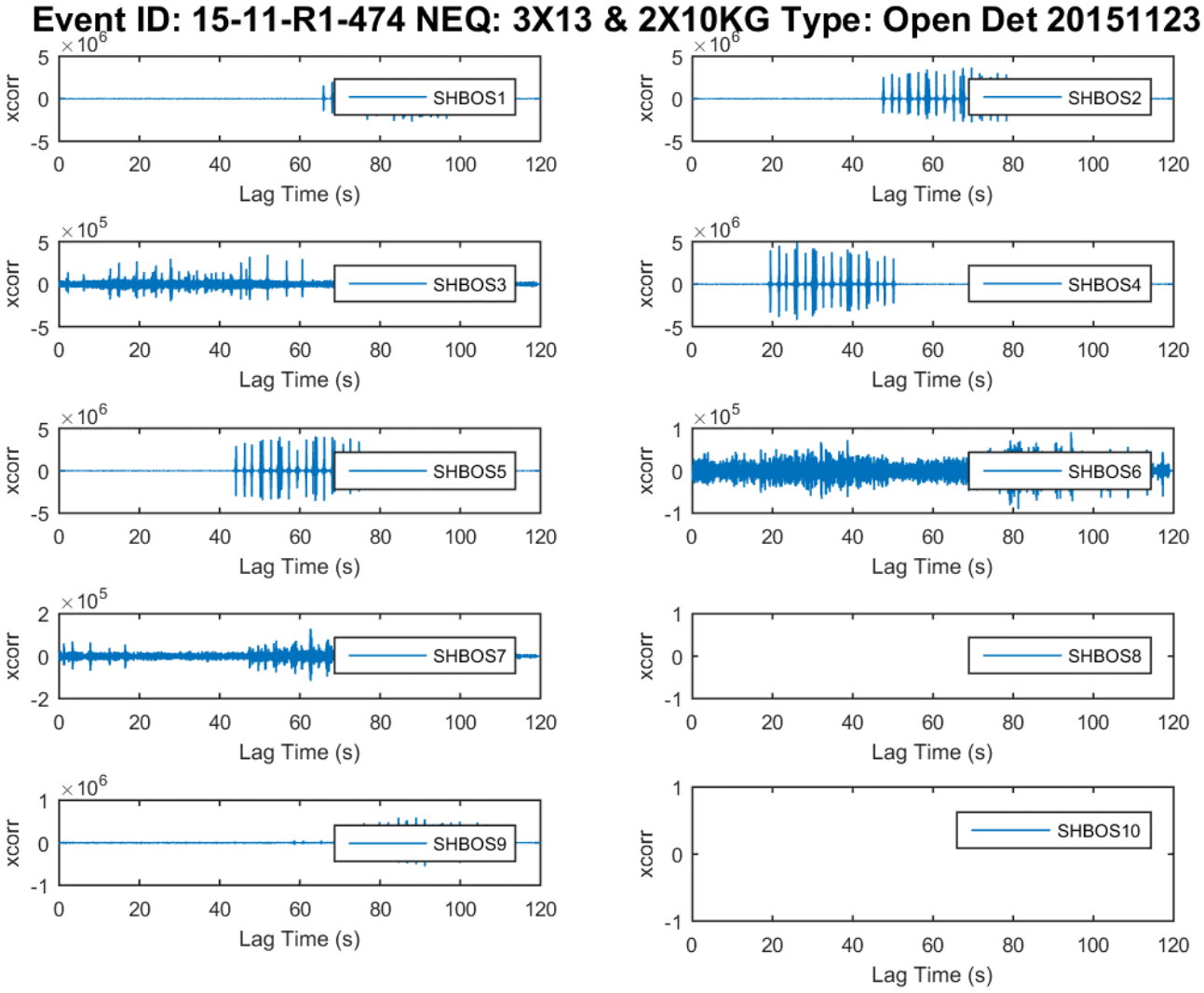


FIGURE 2.1820: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-474

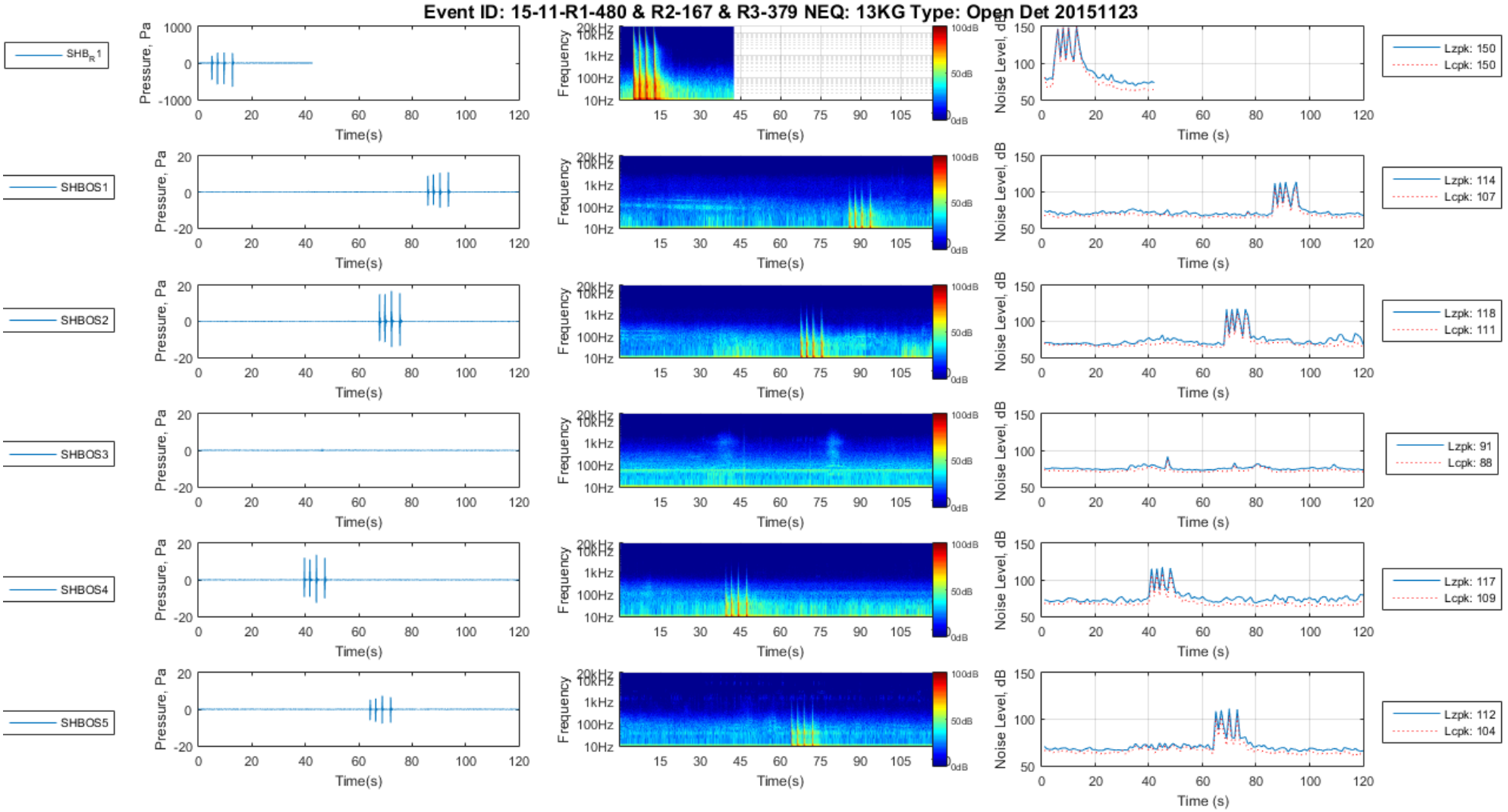


FIGURE 2.1821: SHB_OS 1 - 5 15-11-R1-480 & R2-167 & R3-379

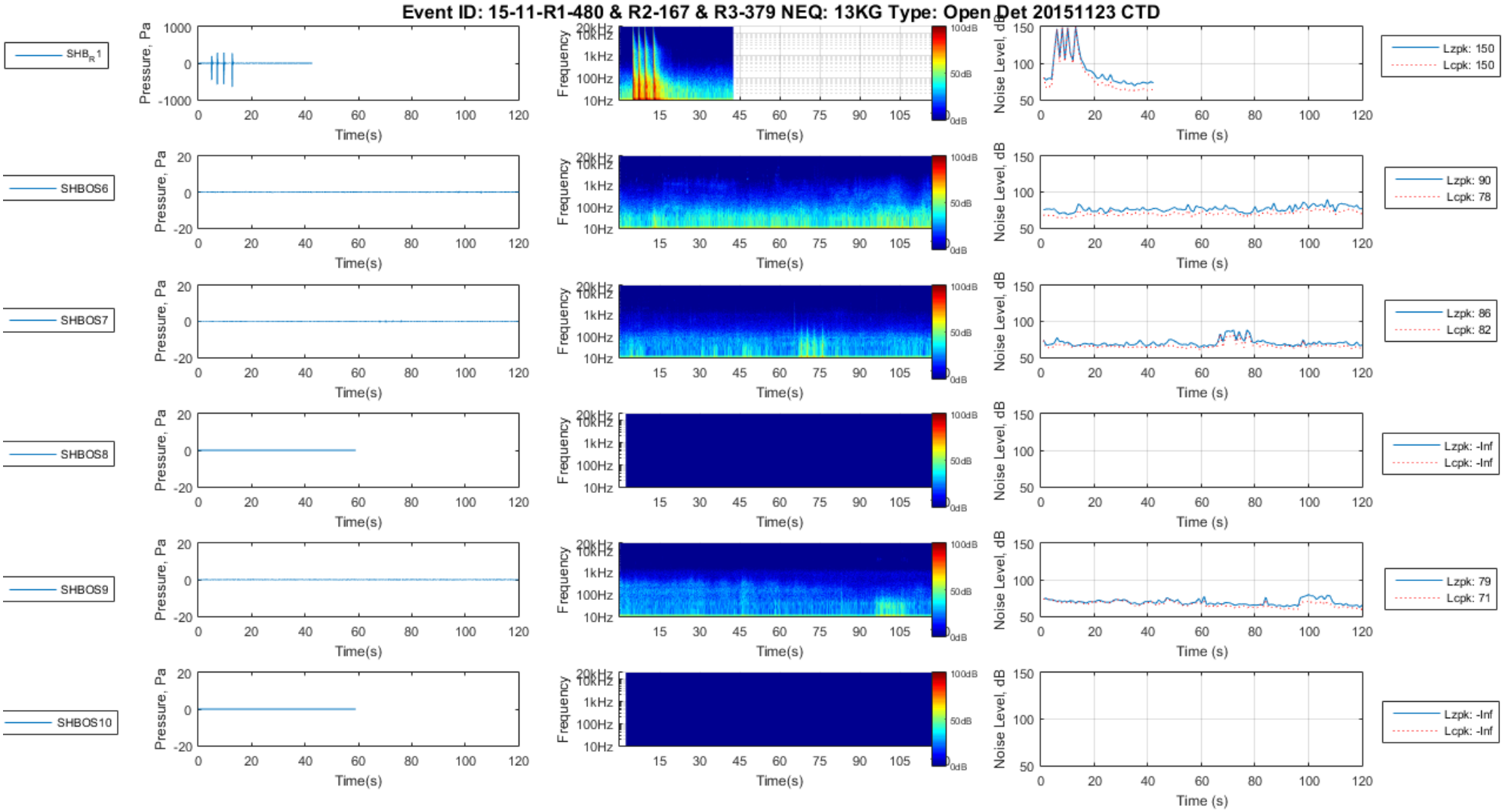


FIGURE 2.1822: SHB_OS 6 - 10 15-11-R1-480 & R2-167 & R3-379

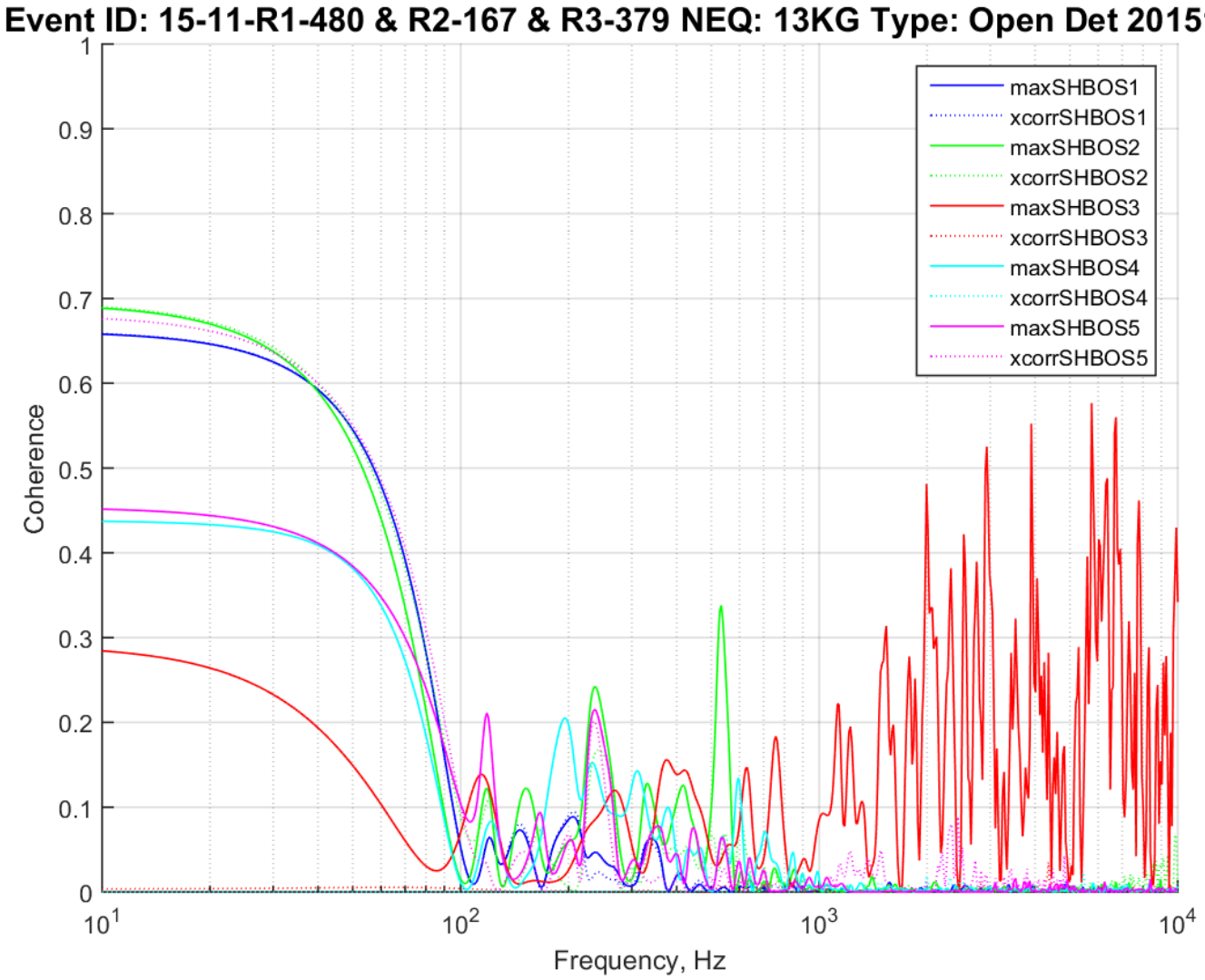


FIGURE 2.1823: COHERENCE SHB_OS 1 - 5 15-11-R1-480 & R2-167 & R3-379

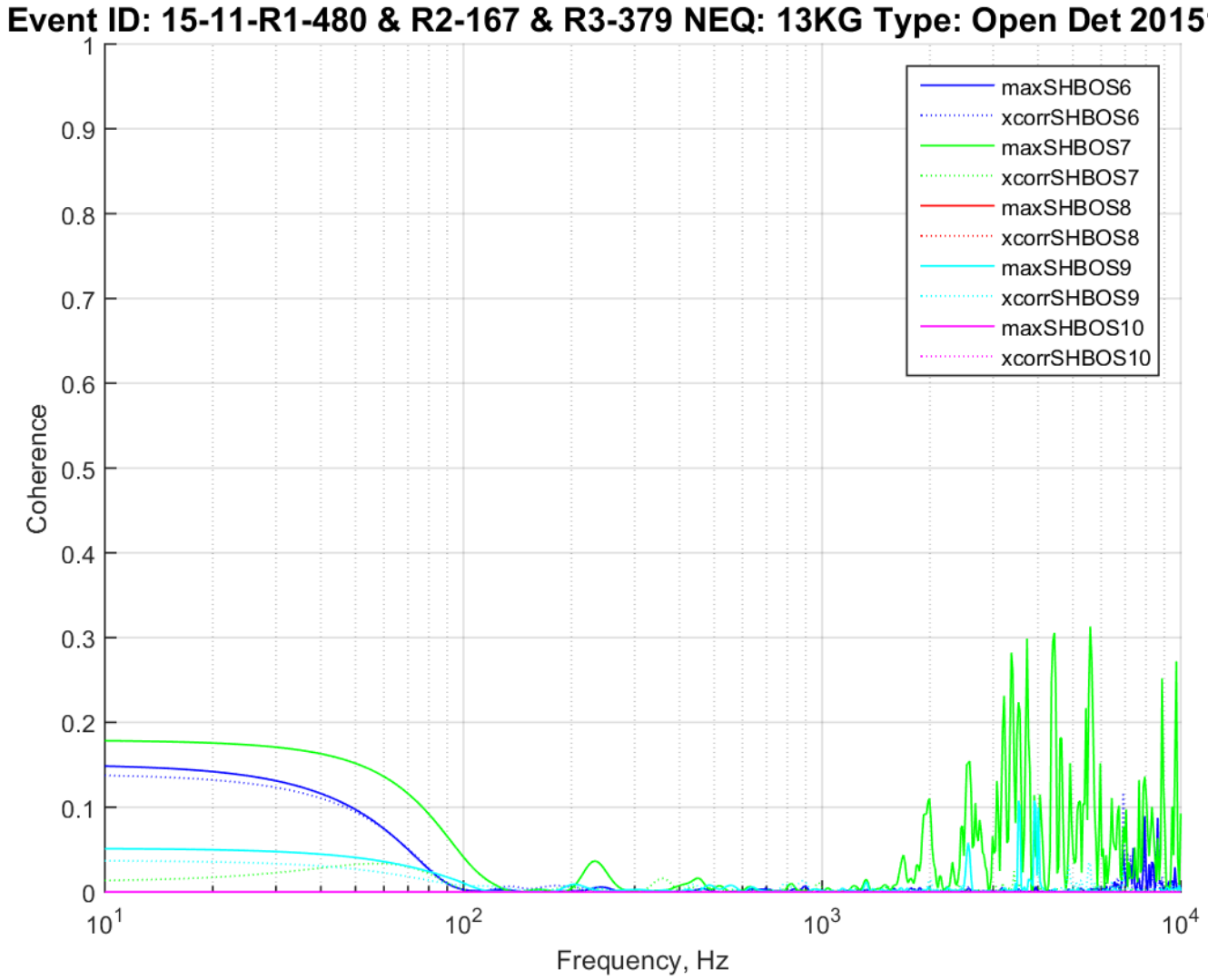


FIGURE 2.1824: COHERENCE SHB_OS 6 - 10 15-11-R1-480 & R2-167 & R3-379CTD

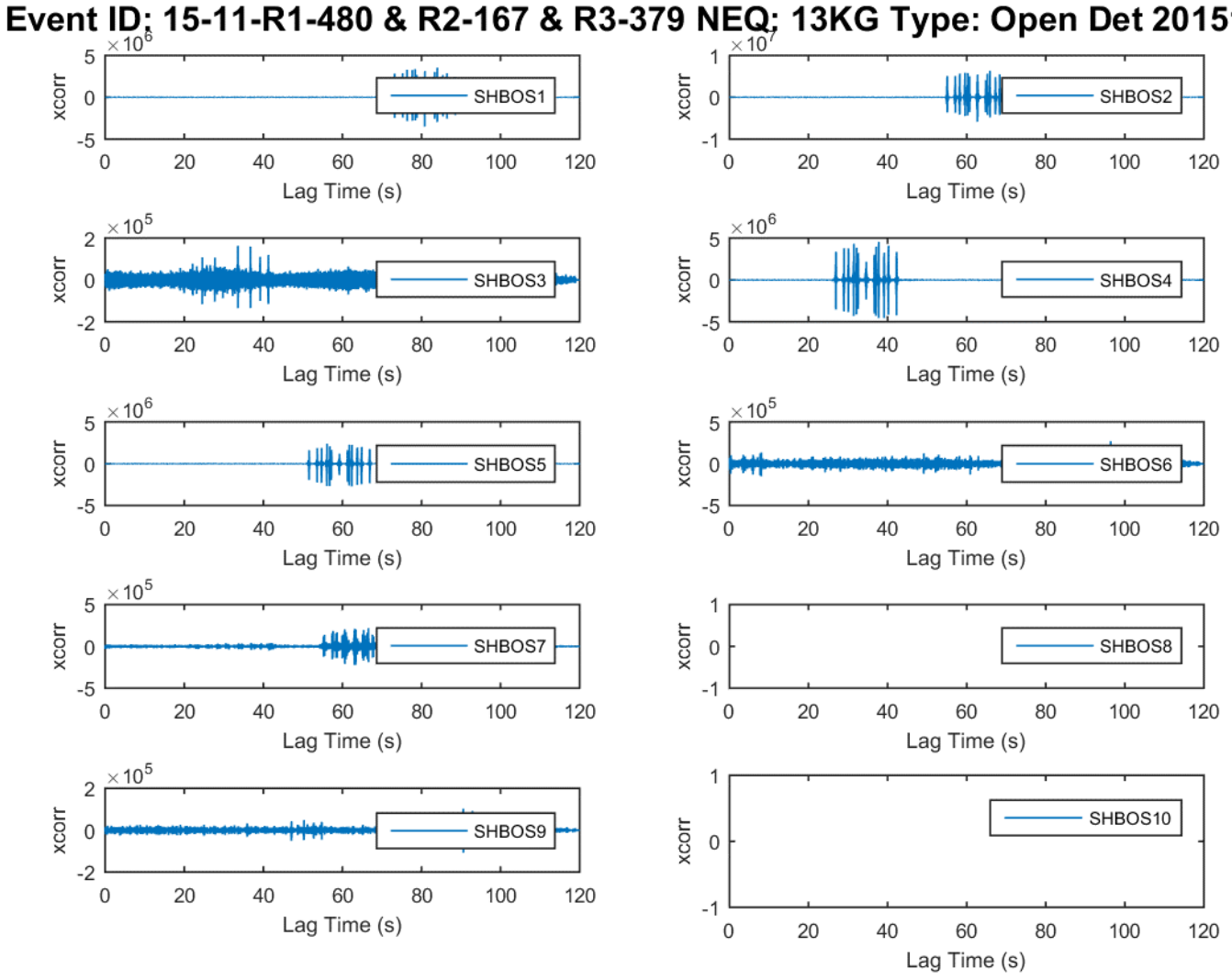


FIGURE 2.1825: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-480 & R2-167 & R3-379

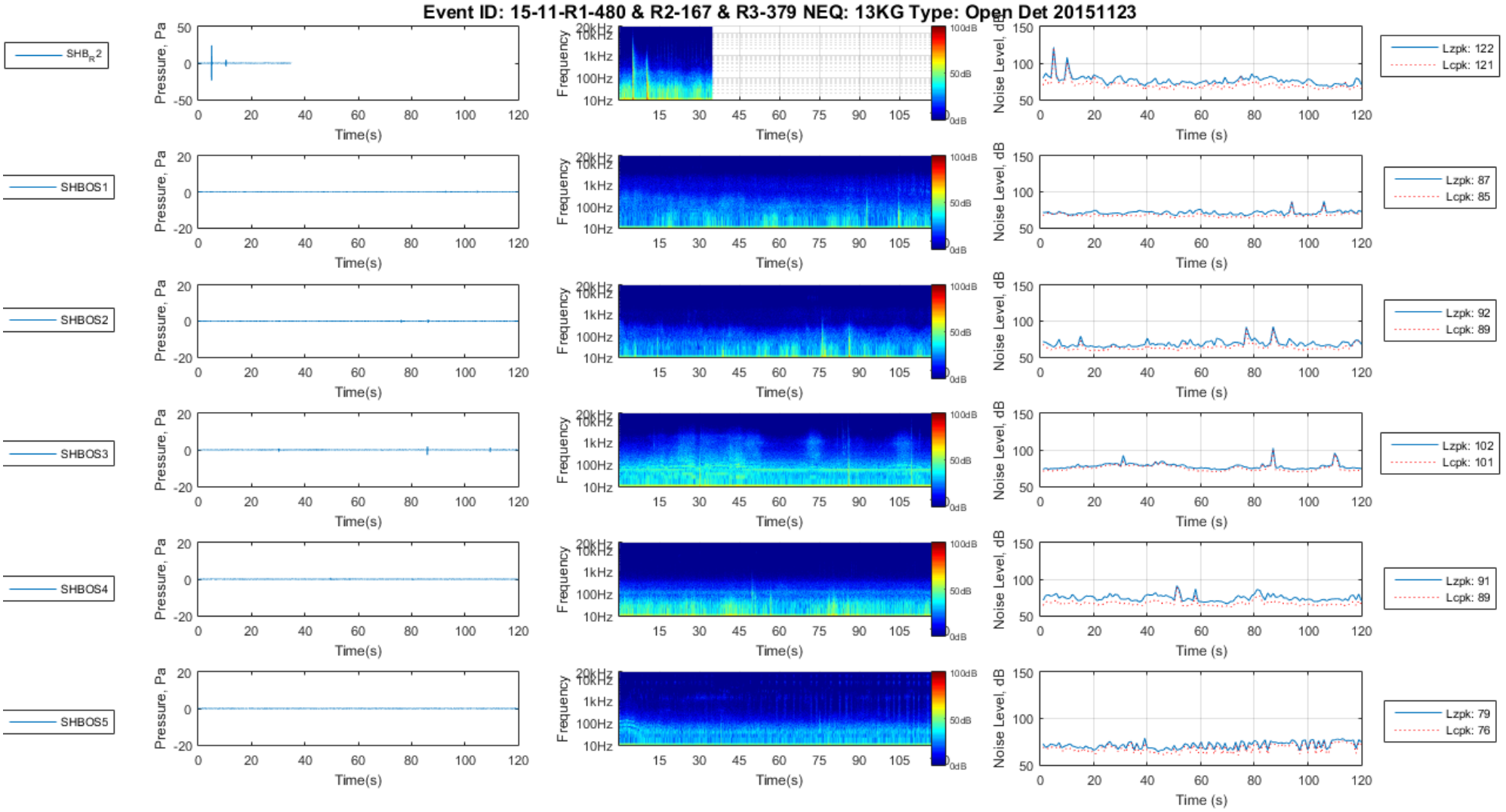


FIGURE 2.1826: SHB_OS 1 - 5 15-11-R1-480 & R2-167 & R3-379

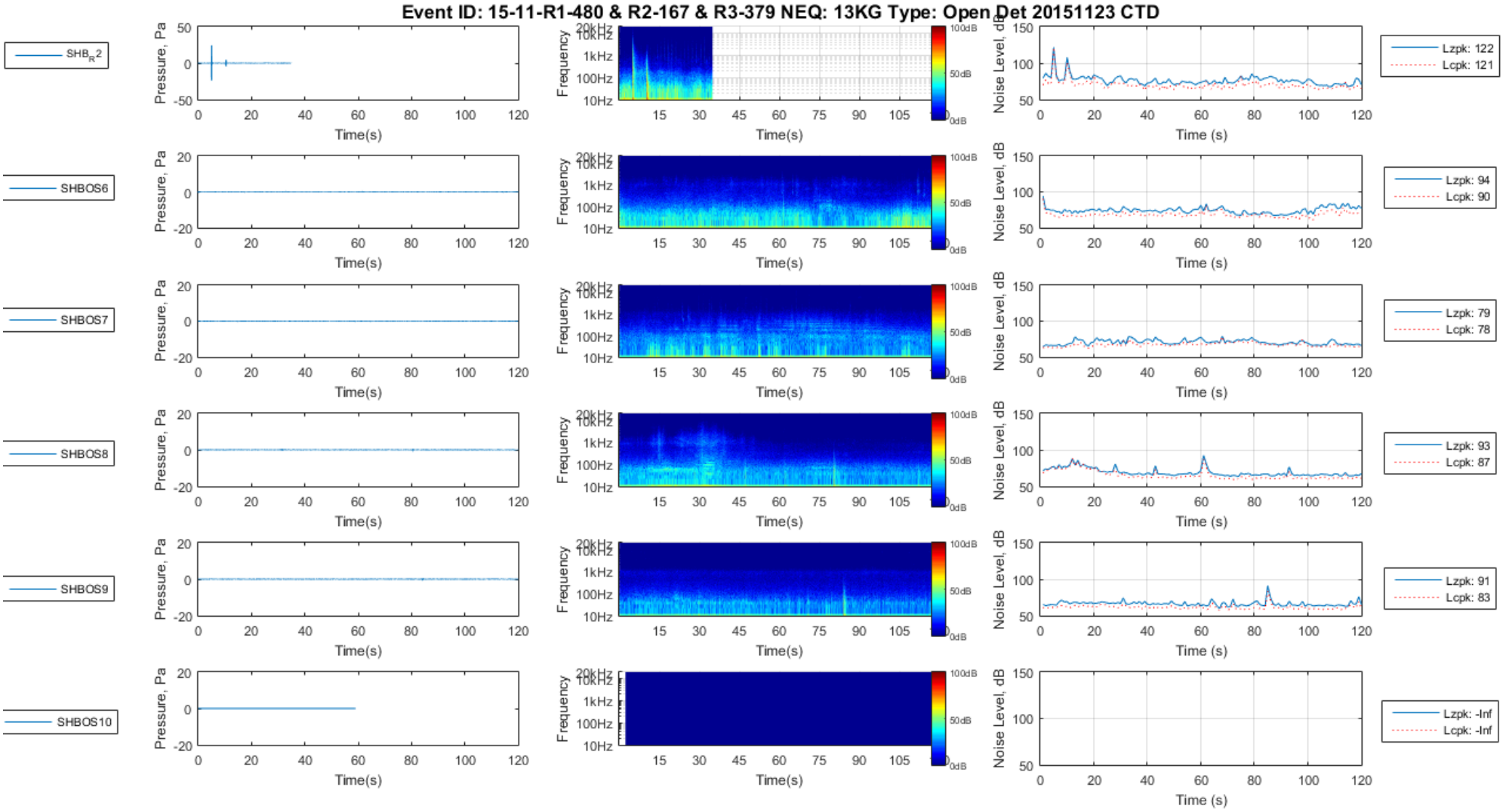


FIGURE 2.1827: SHB_OS 6 - 10 15-11-R1-480 & R2-167 & R3-379

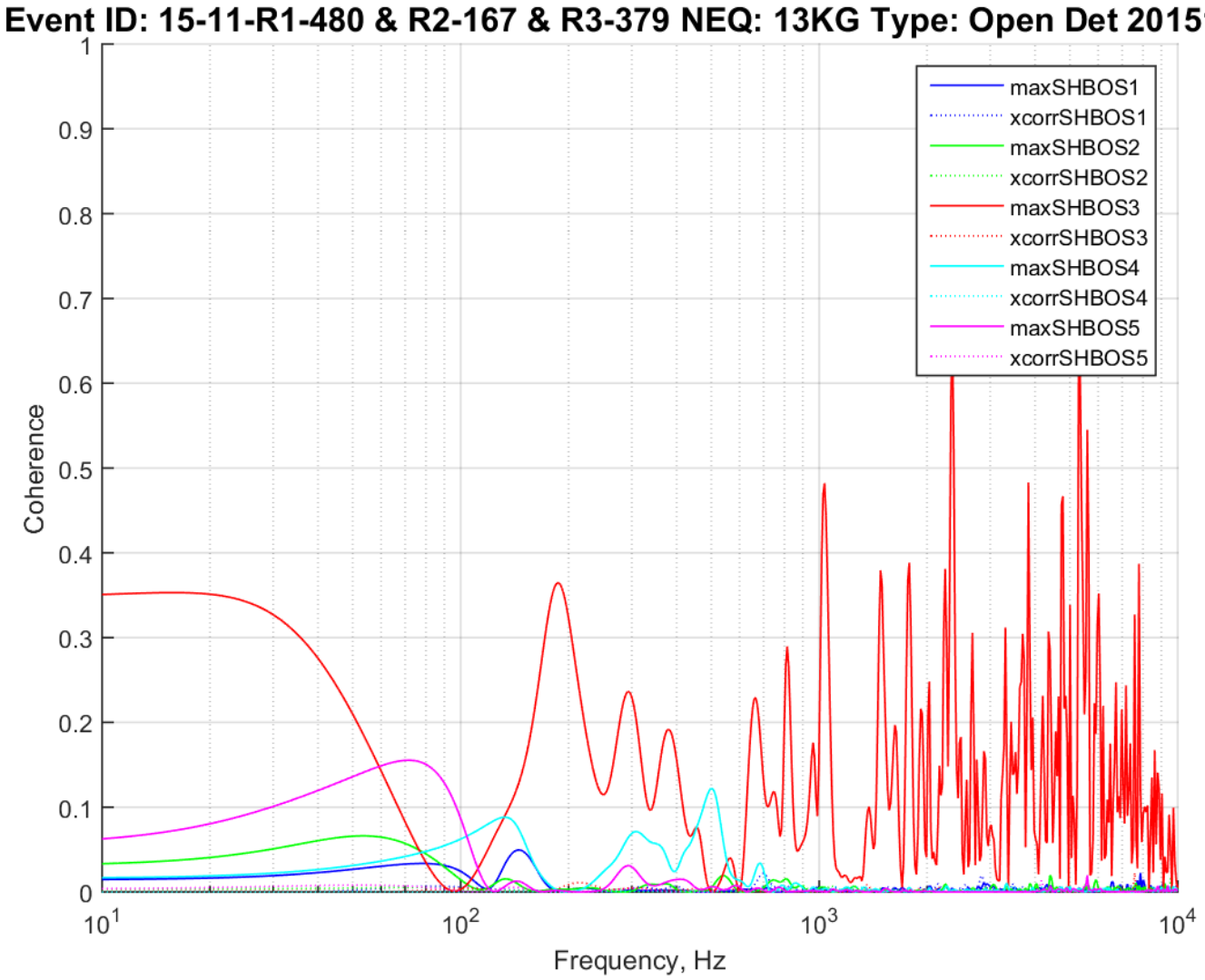


FIGURE 2.1828: COHERENCE SHB_OS 1 - 5 15-11-R1-480 & R2-167 & R3-379

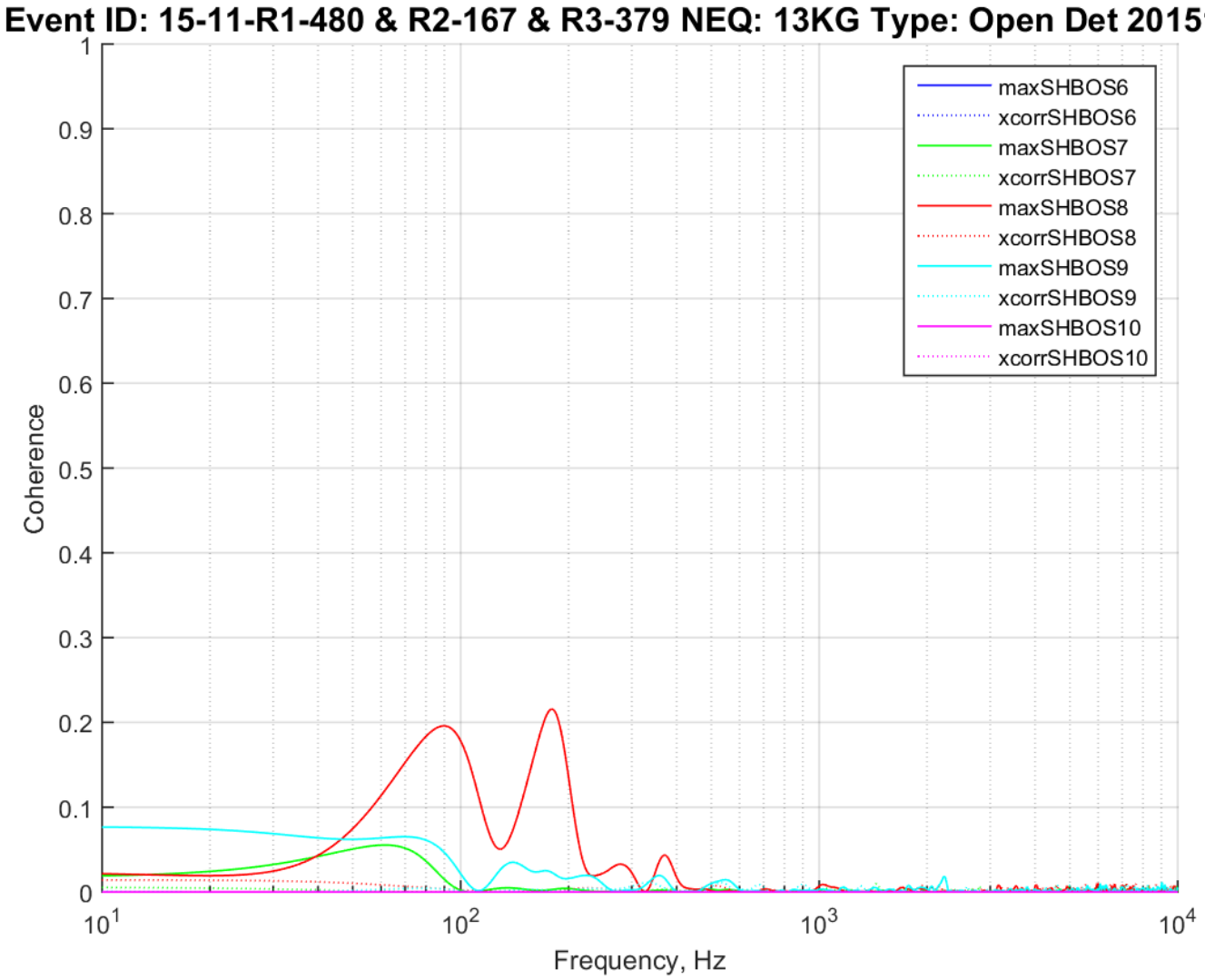


FIGURE 2.1829: COHERENCE SHB_OS 6 - 10 15-11-R1-480 & R2-167 & R3-379CTD

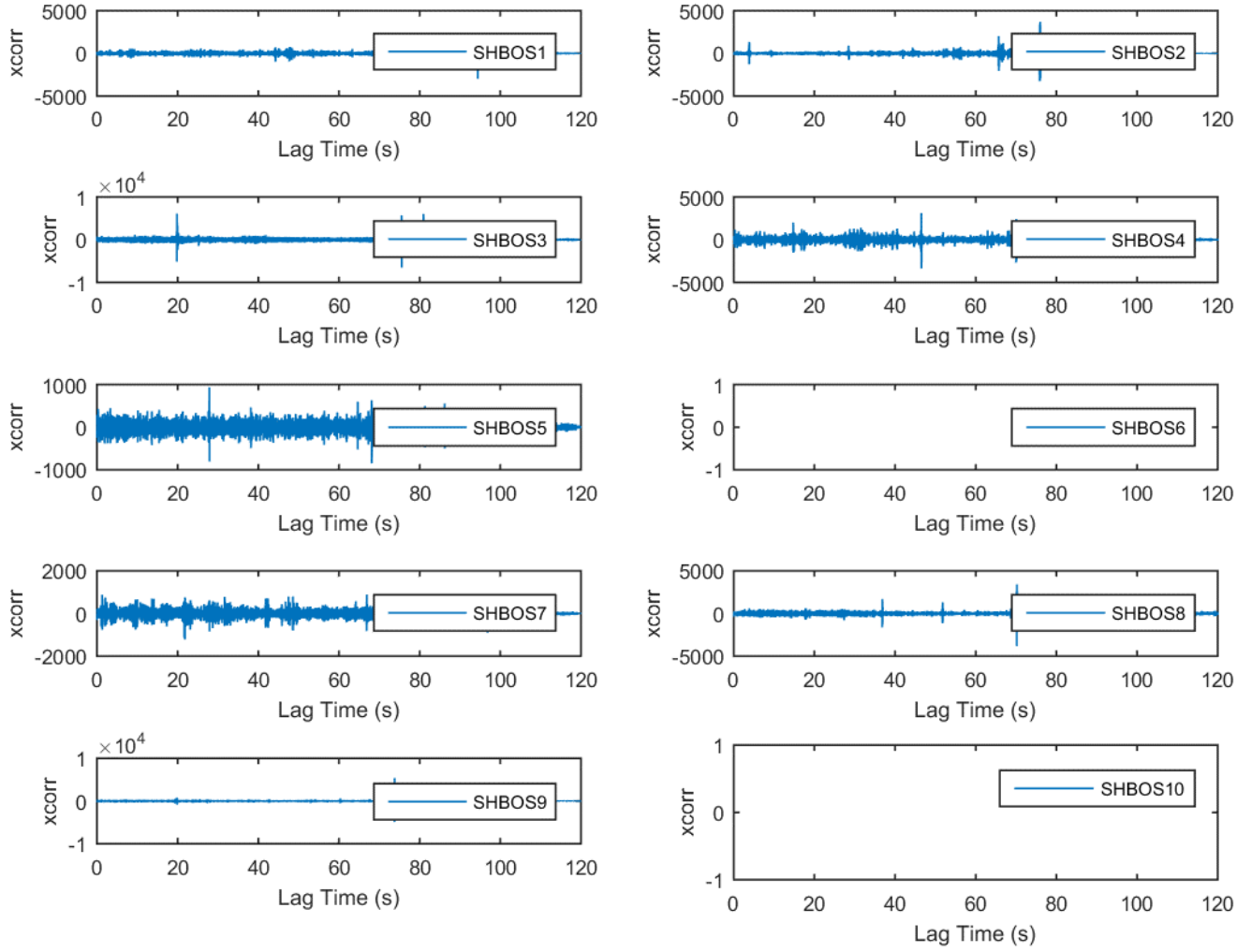


FIGURE 2.1830: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-480 & R2-167 & R3-379

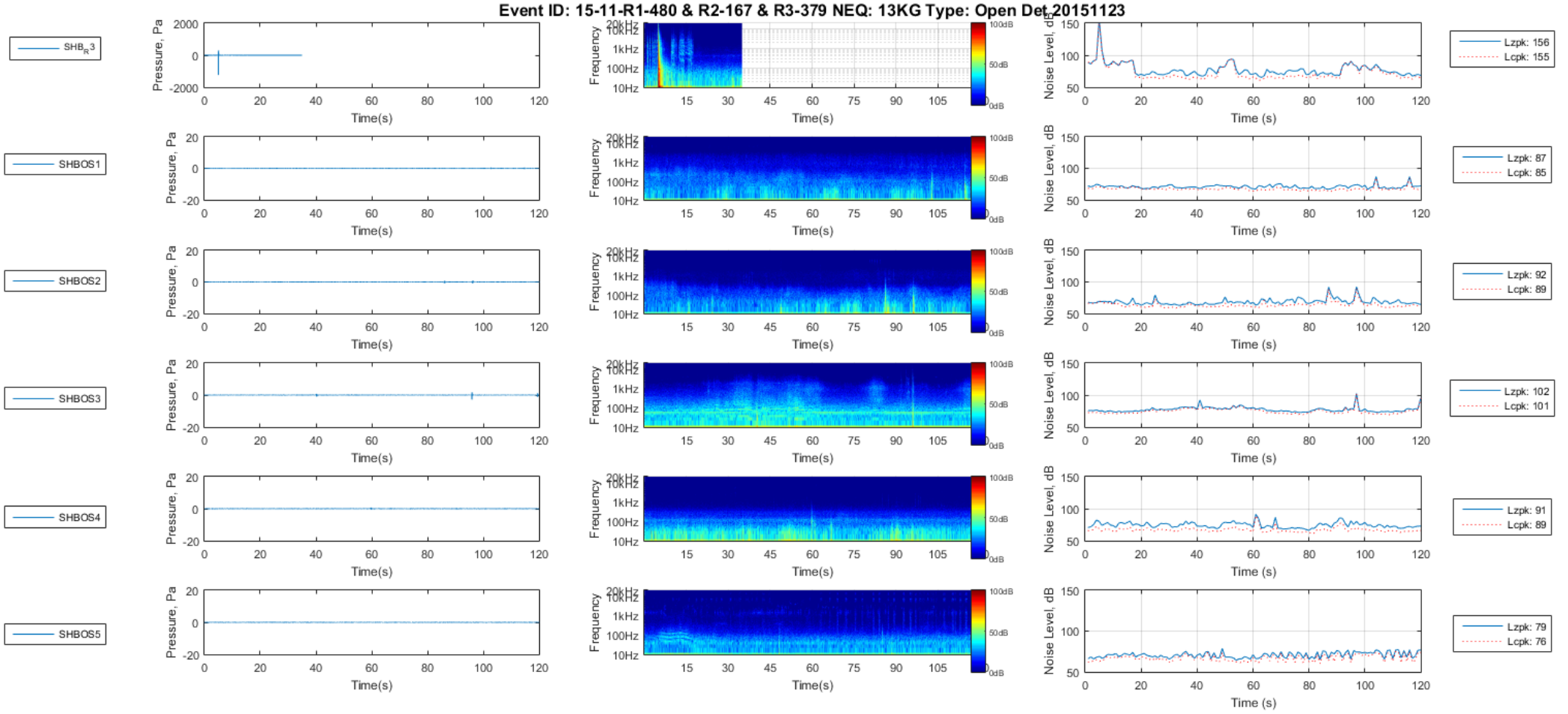


FIGURE 2.1831: SHB_OS 1 - 5 15-11-R1-480 & R2-167 & R3-379

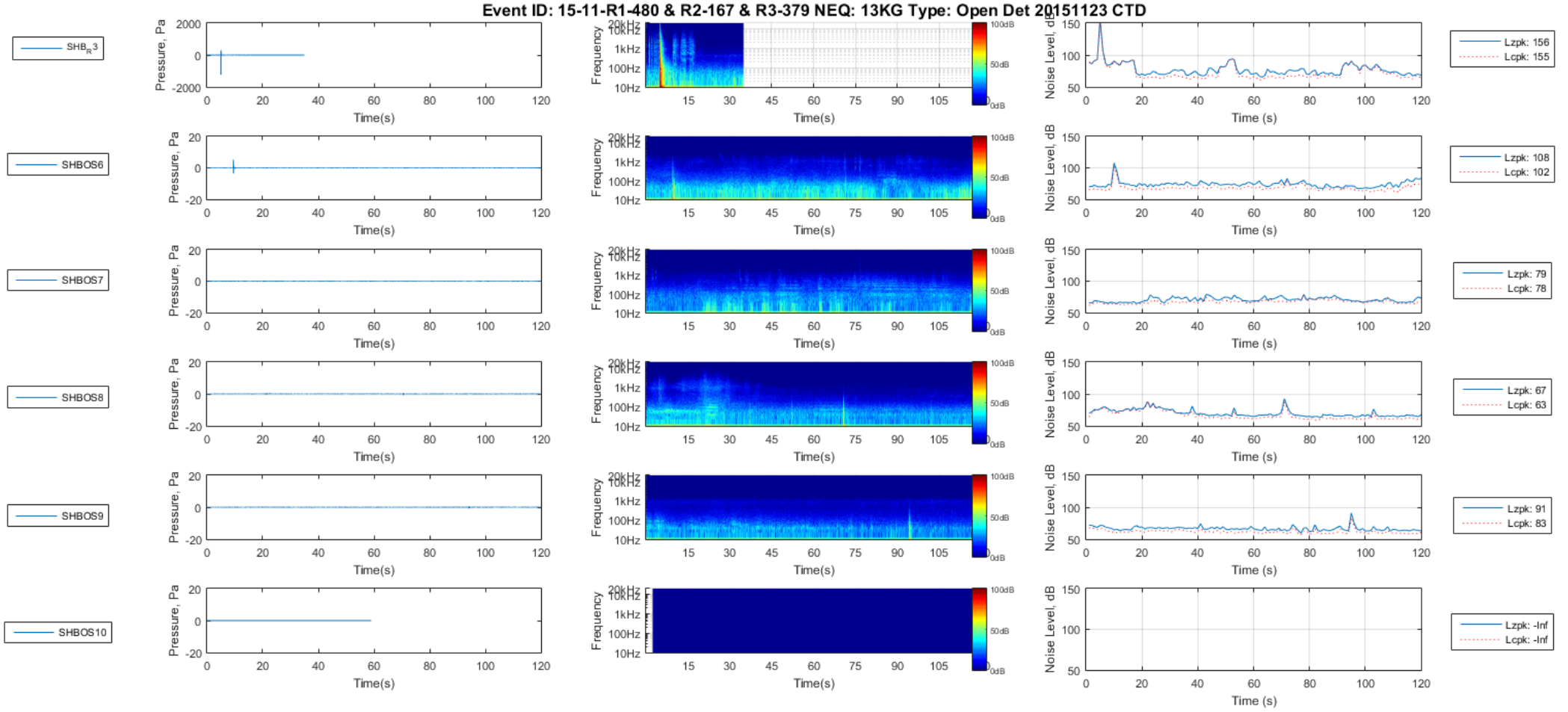


FIGURE 2.1832: SHB_OS 6 - 10 15-11-R1-480 & R2-167 & R3-379

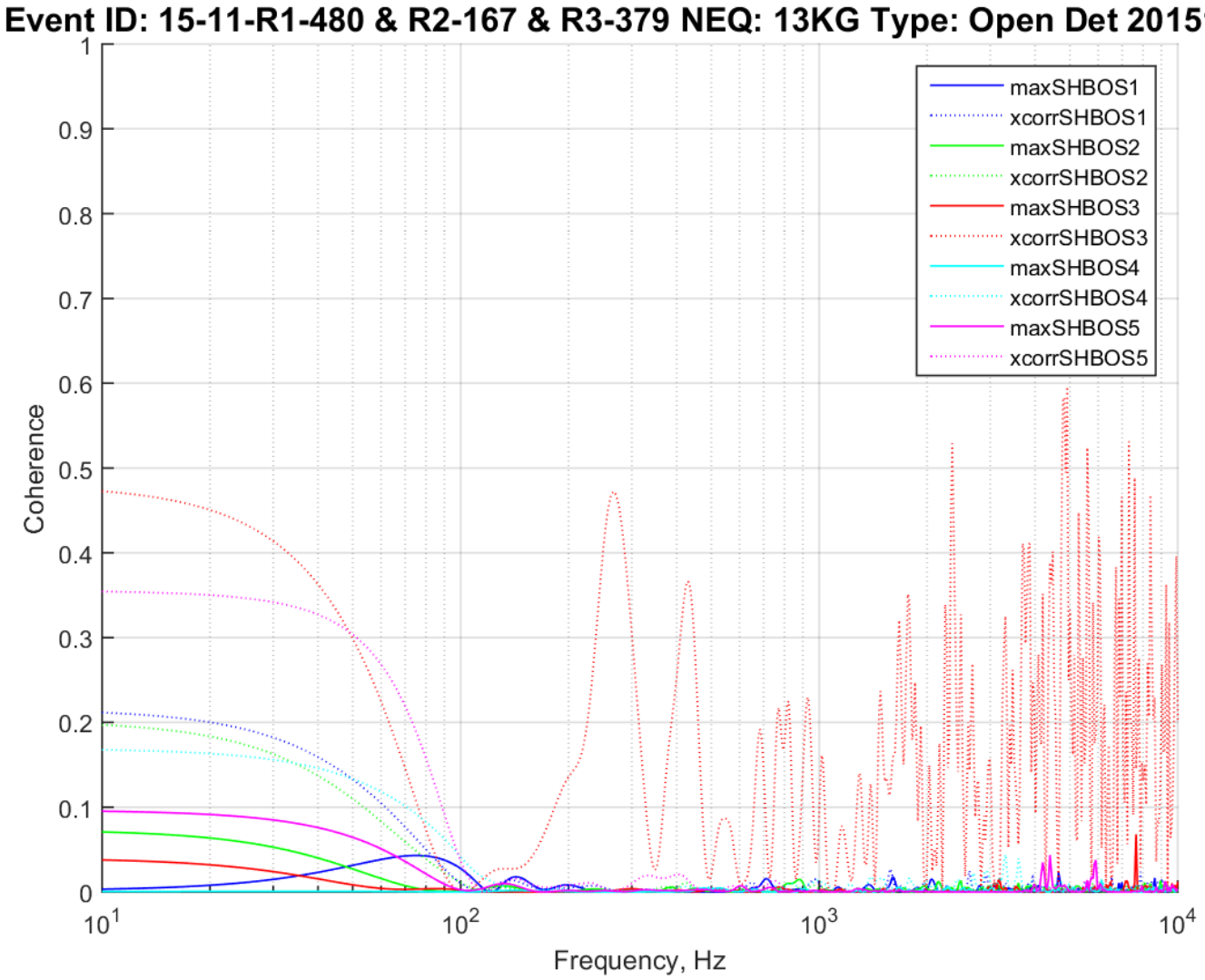


FIGURE 2.1833: COHERENCE SHB_OS 1 - 5 15-11-R1-480 & R2-167 & R3-379

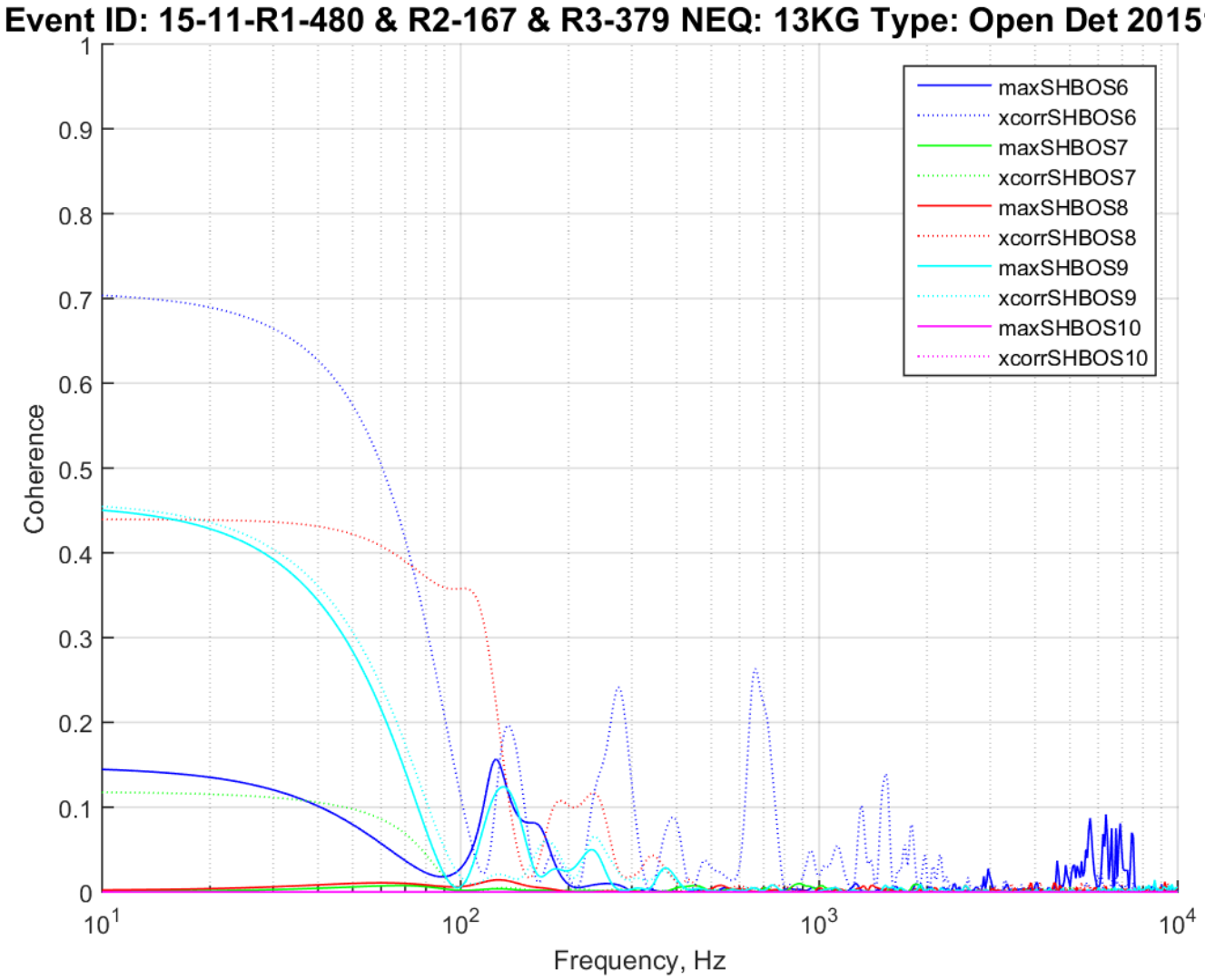


FIGURE 2.1834: COHERENCE SHB_OS 6 - 10 15-11-R1-480 & R2-167 & R3-379CTD

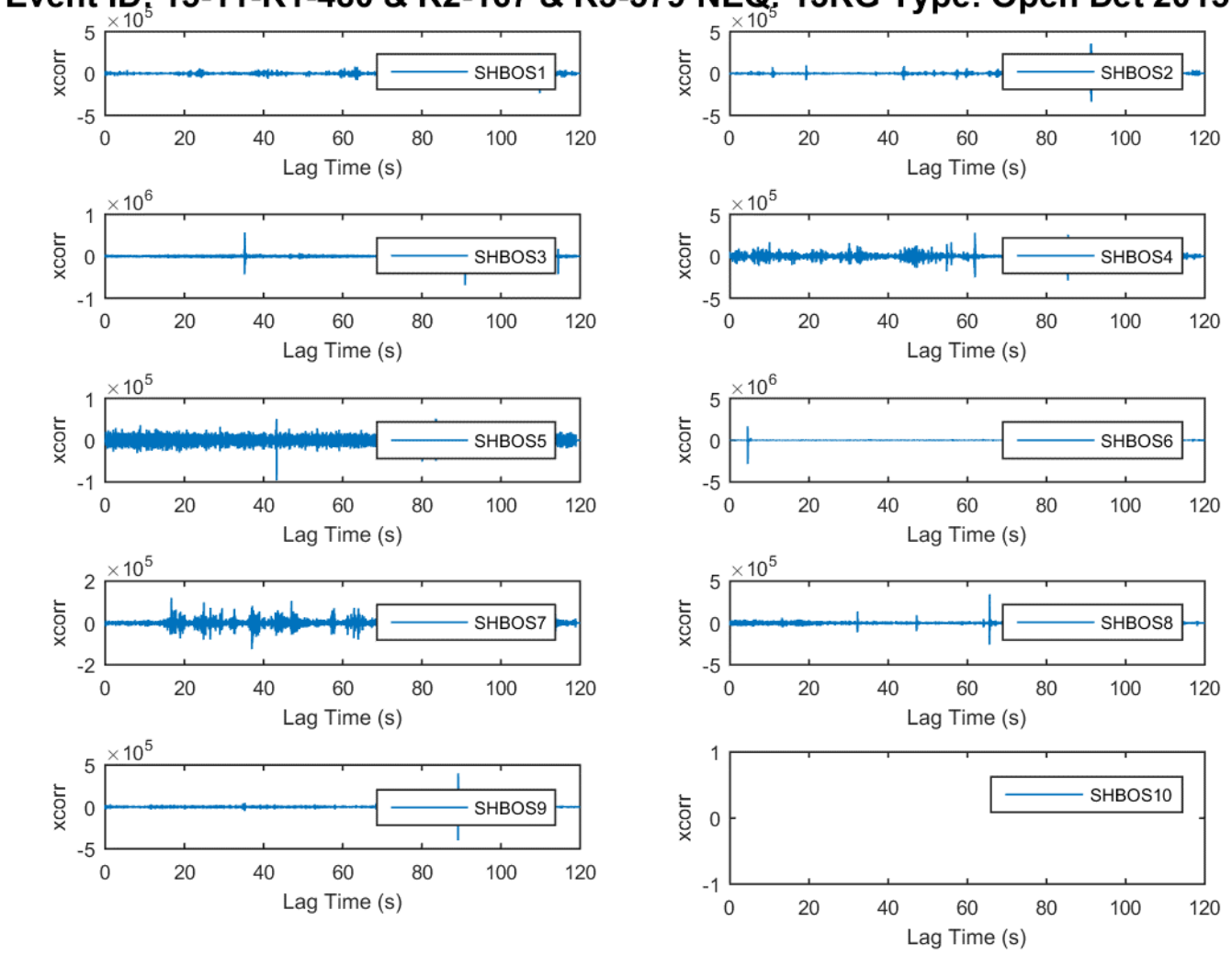


FIGURE 2.1835: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-480 & R2-167 & R3-379

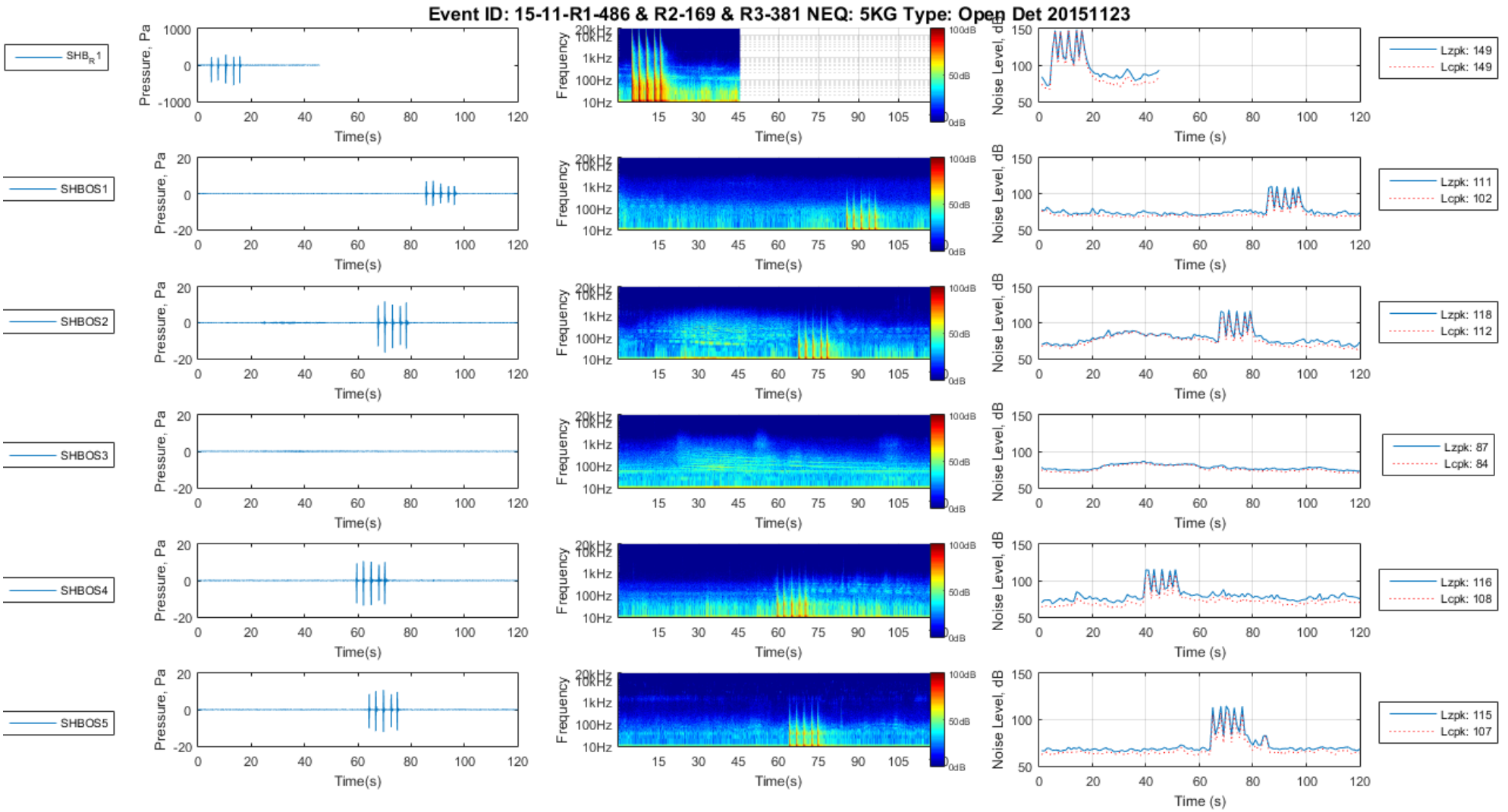


FIGURE 2.1836: SHB_OS 1 - 5 15-11-R1-486 & R2-169 & R3-381

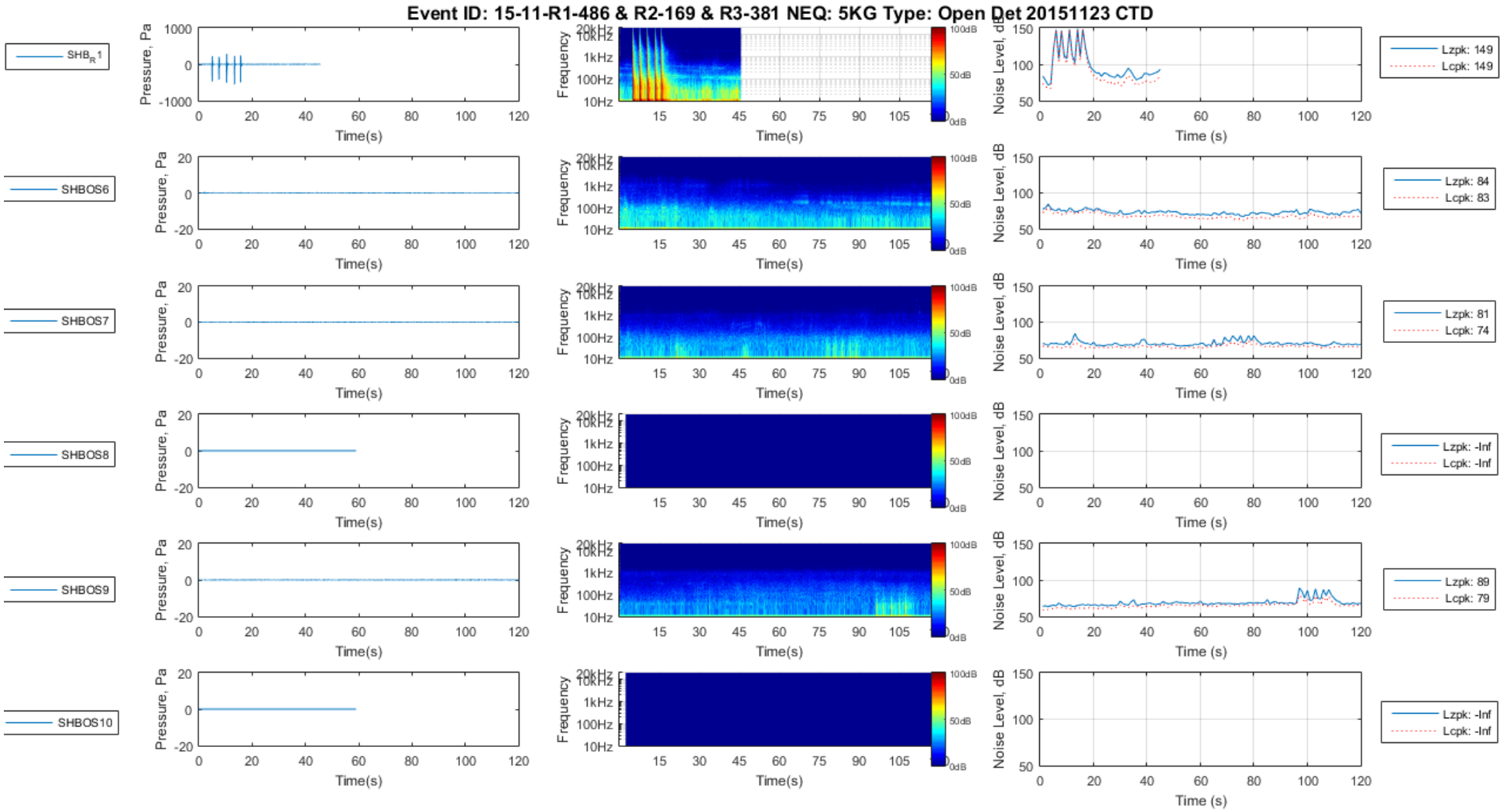


FIGURE 2.1837: SHB_OS 6 - 10 15-11-R1-486 & R2-169 & R3-381

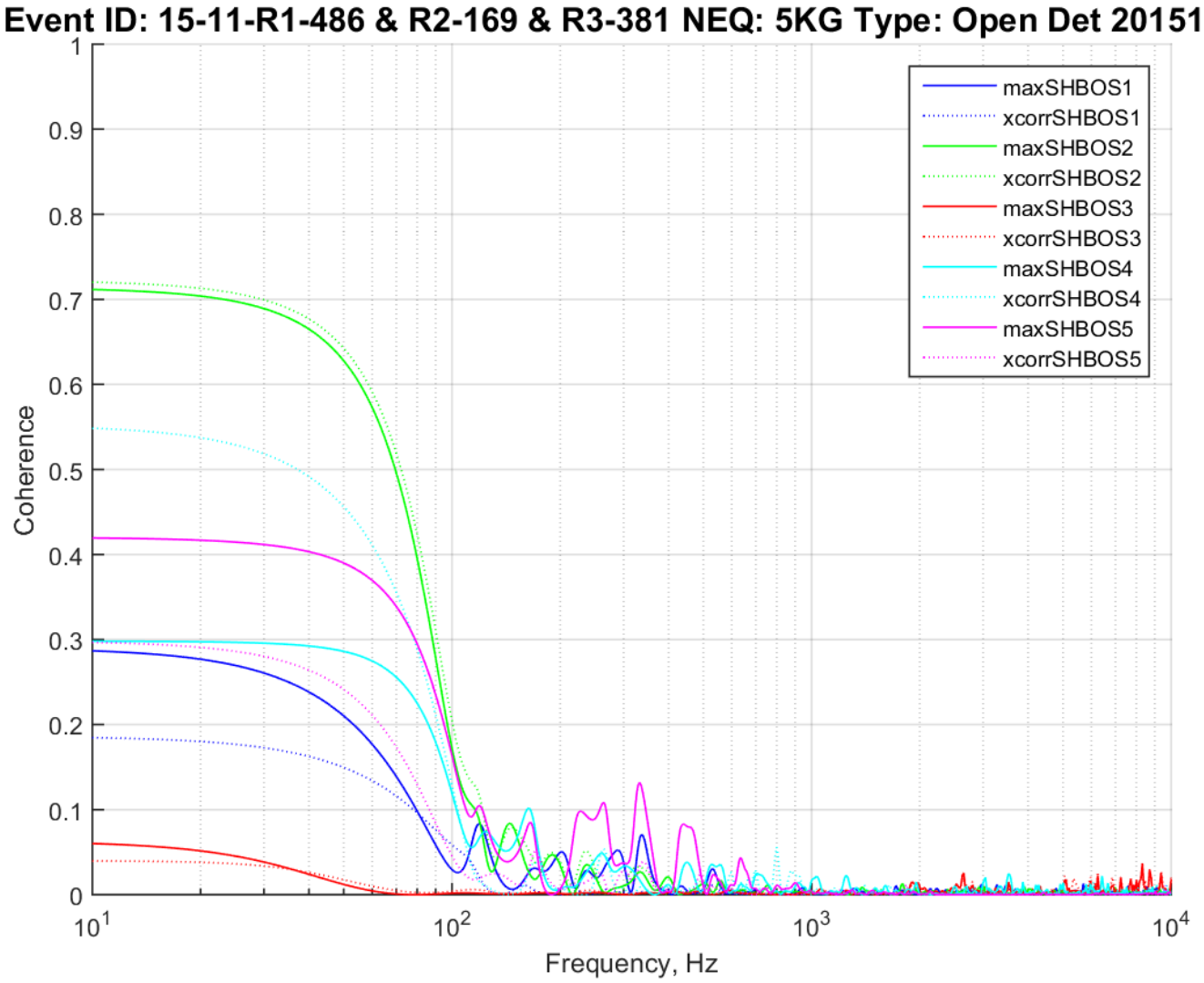


FIGURE 2.1838: COHERENCE SHB_OS 1 - 5 15-11-R1-486 & R2-169 & R3-381

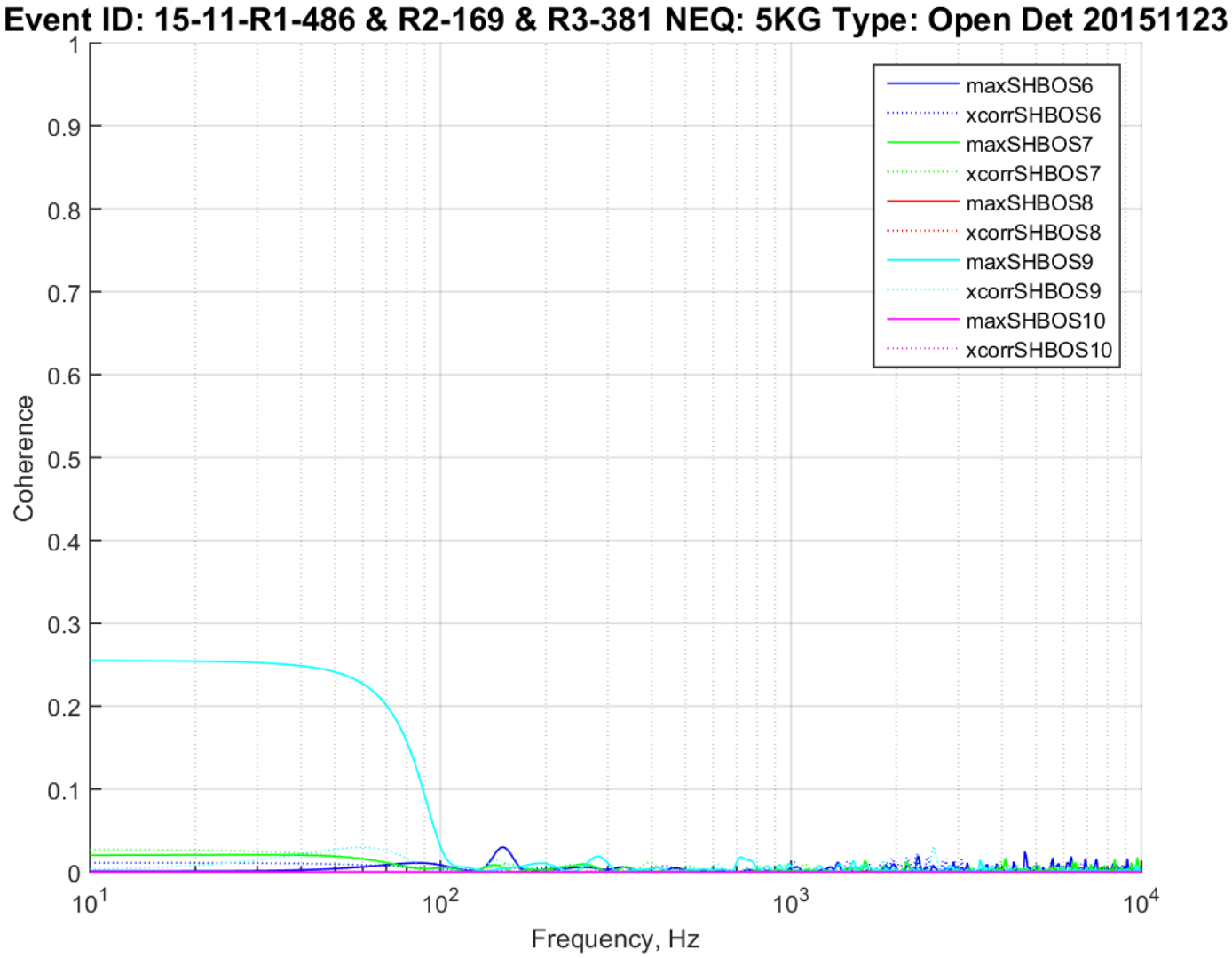


FIGURE 2.1839: COHERENCE SHB_OS 6 - 10 15-11-R1-486 & R2-169 & R3-381CTD

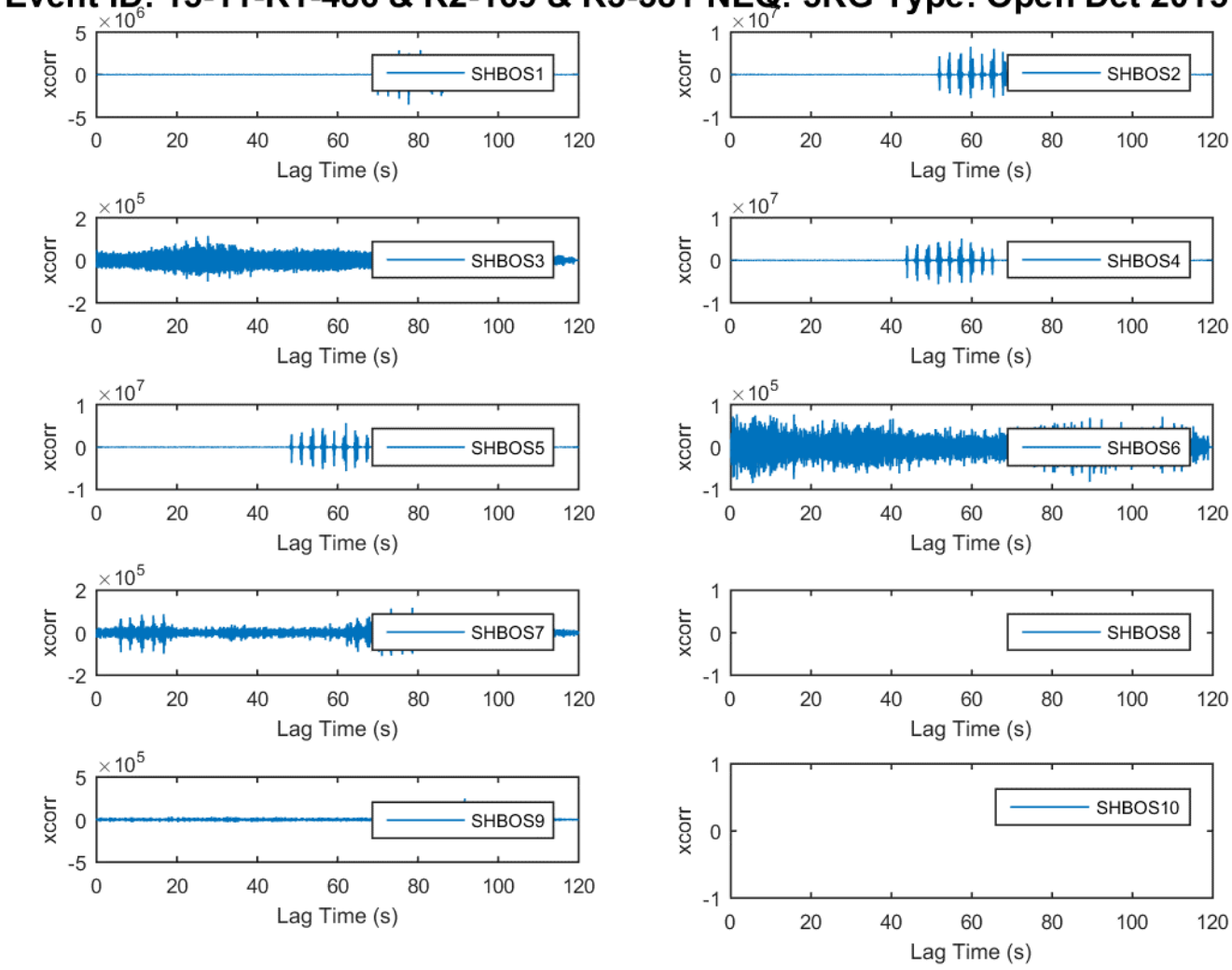


FIGURE 2.1840: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-486 & R2-169 & R3-381

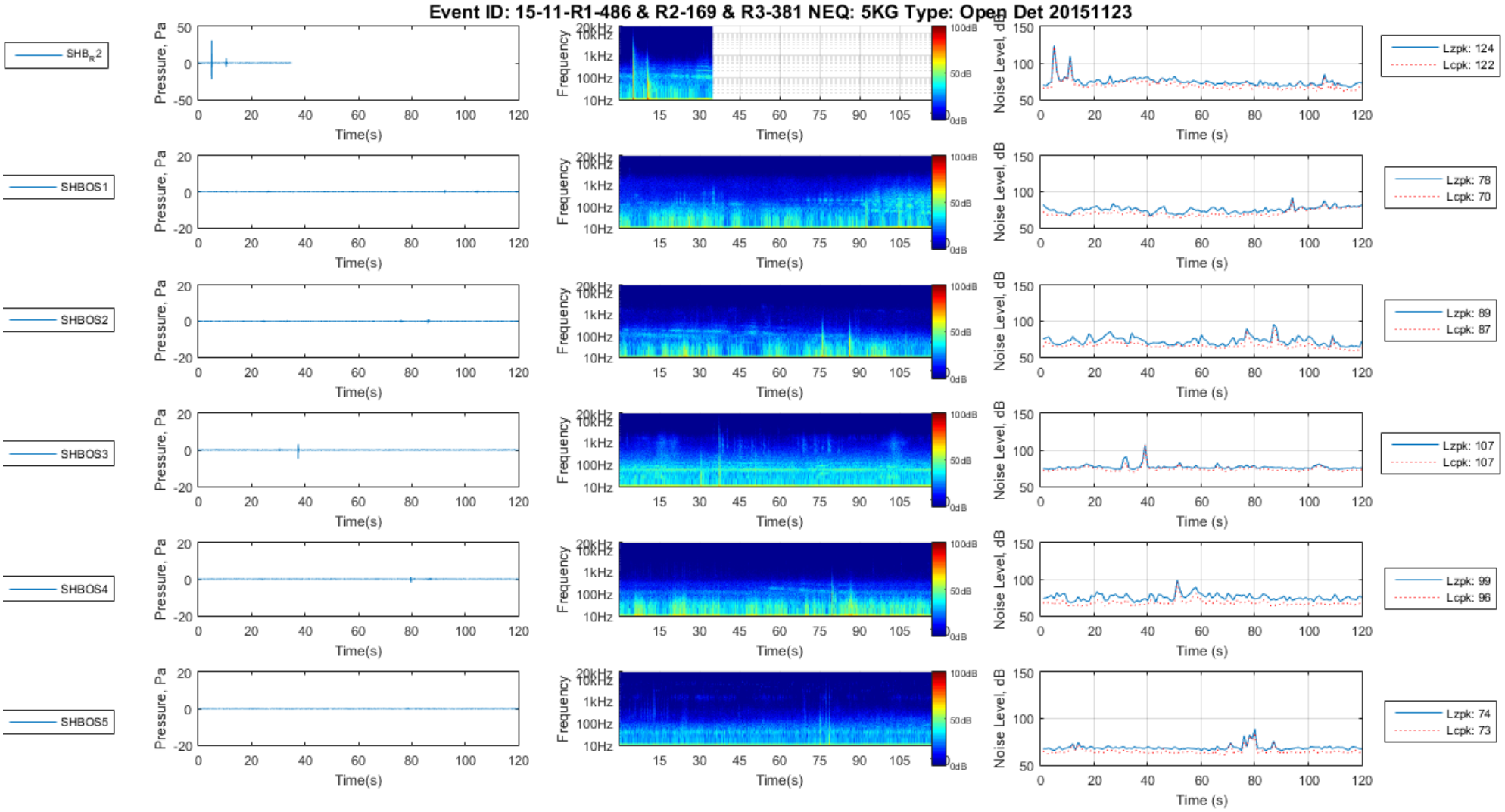


FIGURE 2.1841: SHB_OS 1 - 5 15-11-R1-486 & R2-169 & R3-381

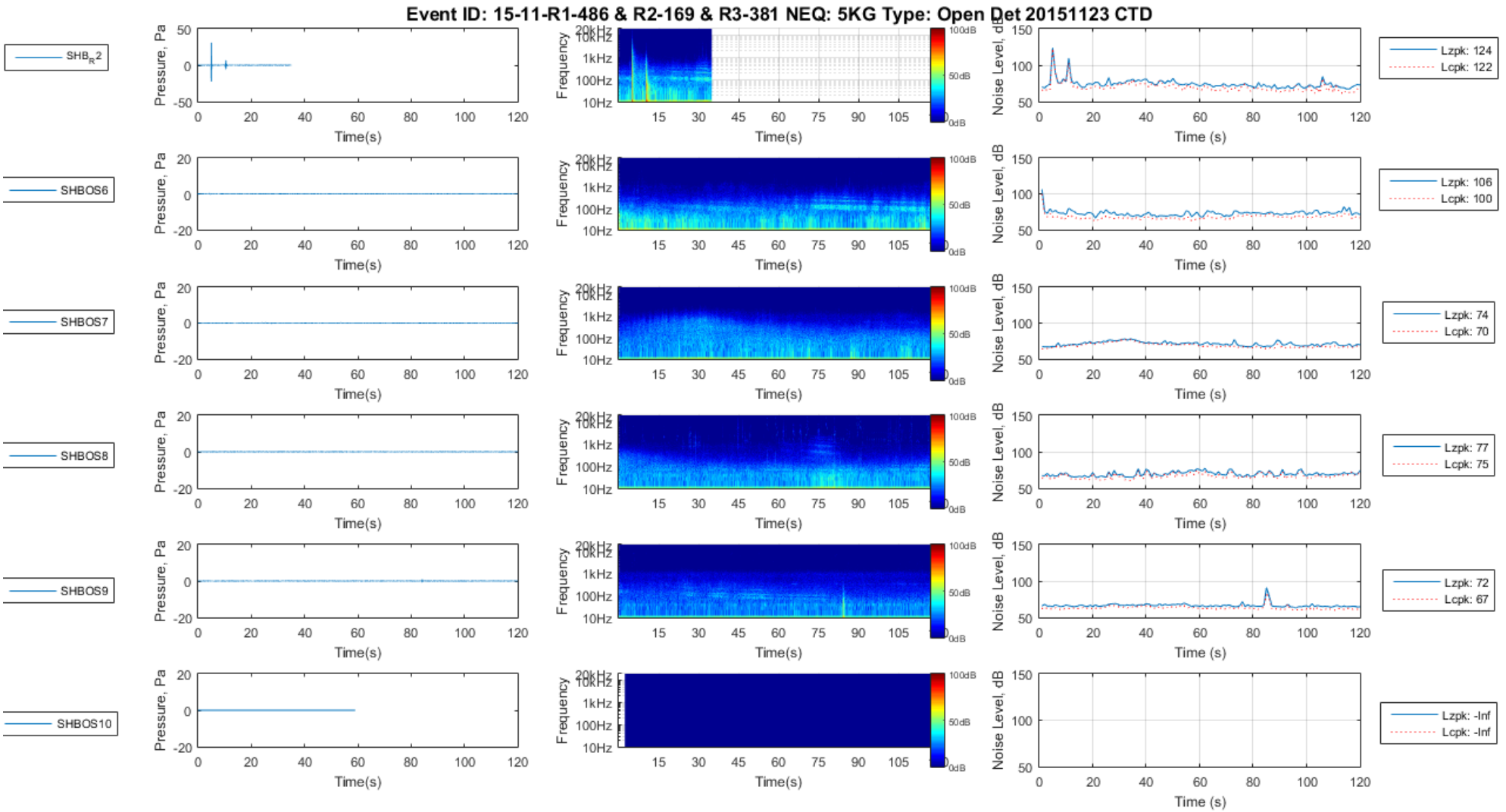


FIGURE 2.1842: SHB_OS 6 - 10 15-11-R1-486 & R2-169 & R3-381

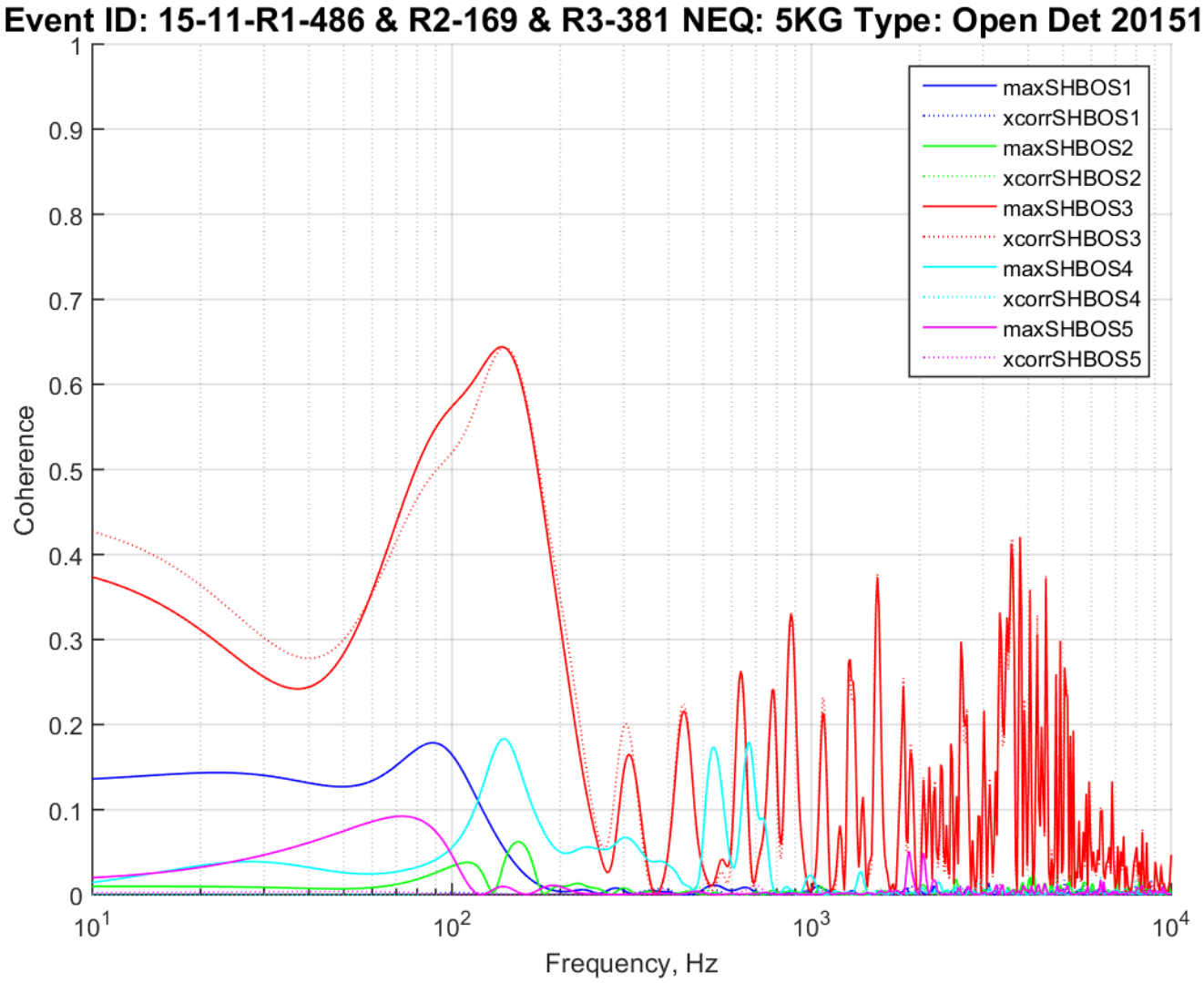


FIGURE 2.1843: COHERENCE SHB_OS 1 - 5 15-11-R1-486 & R2-169 & R3-381

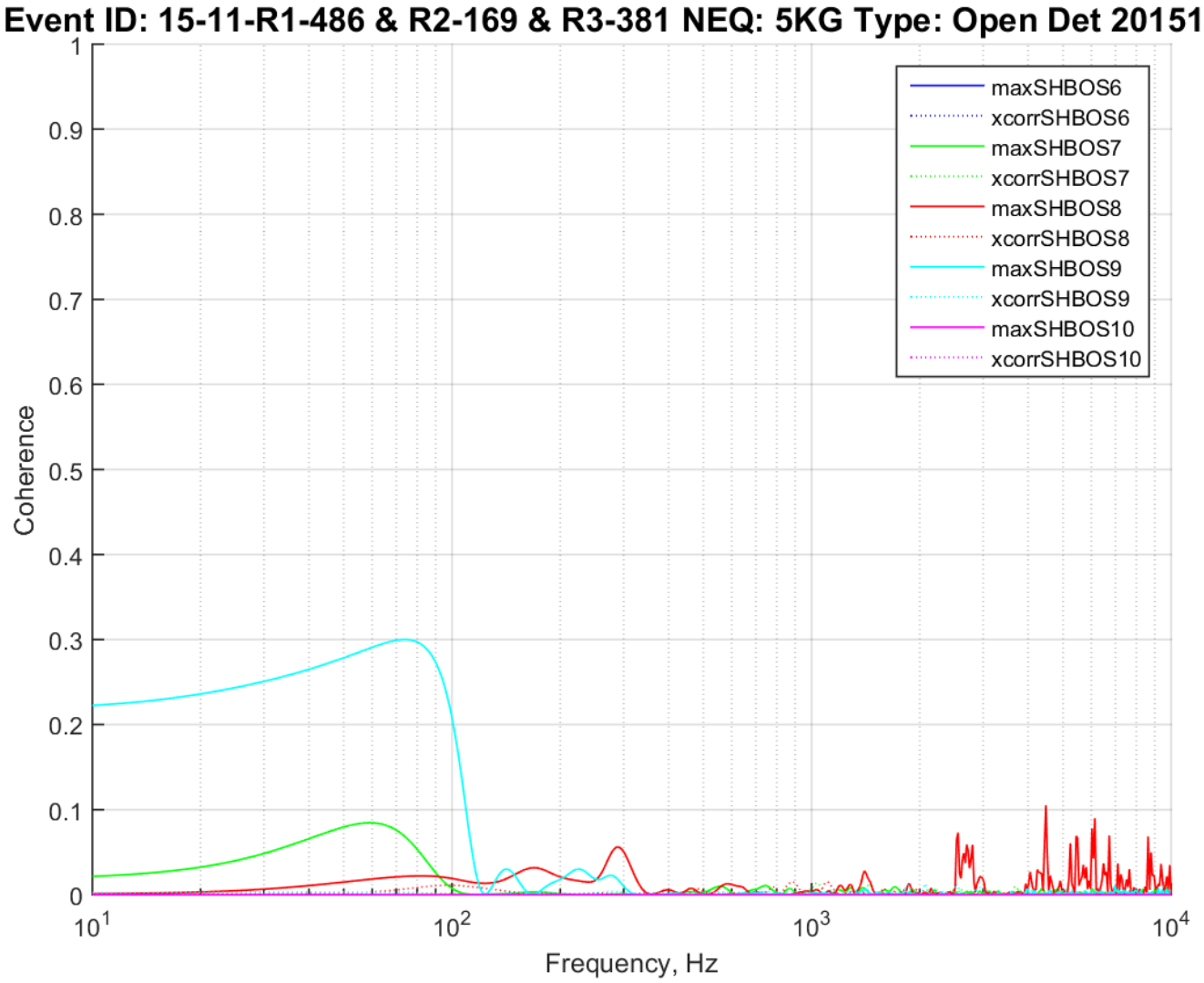


FIGURE 2.1844: COHERENCE SHB_OS 6 - 10 15-11-R1-486 & R2-169 & R3-381CTD

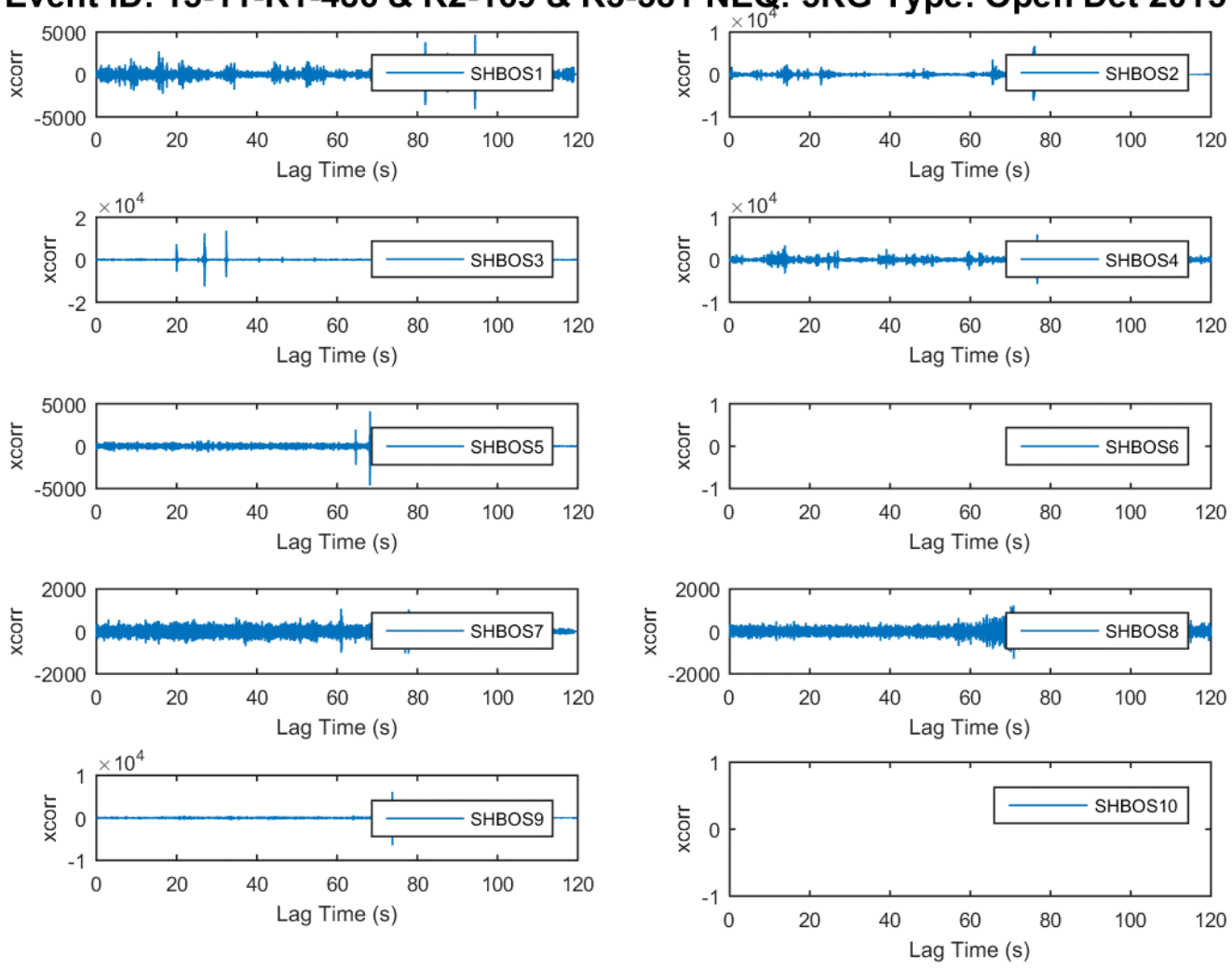


FIGURE 2.1845: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-486 & R2-169 & R3-381

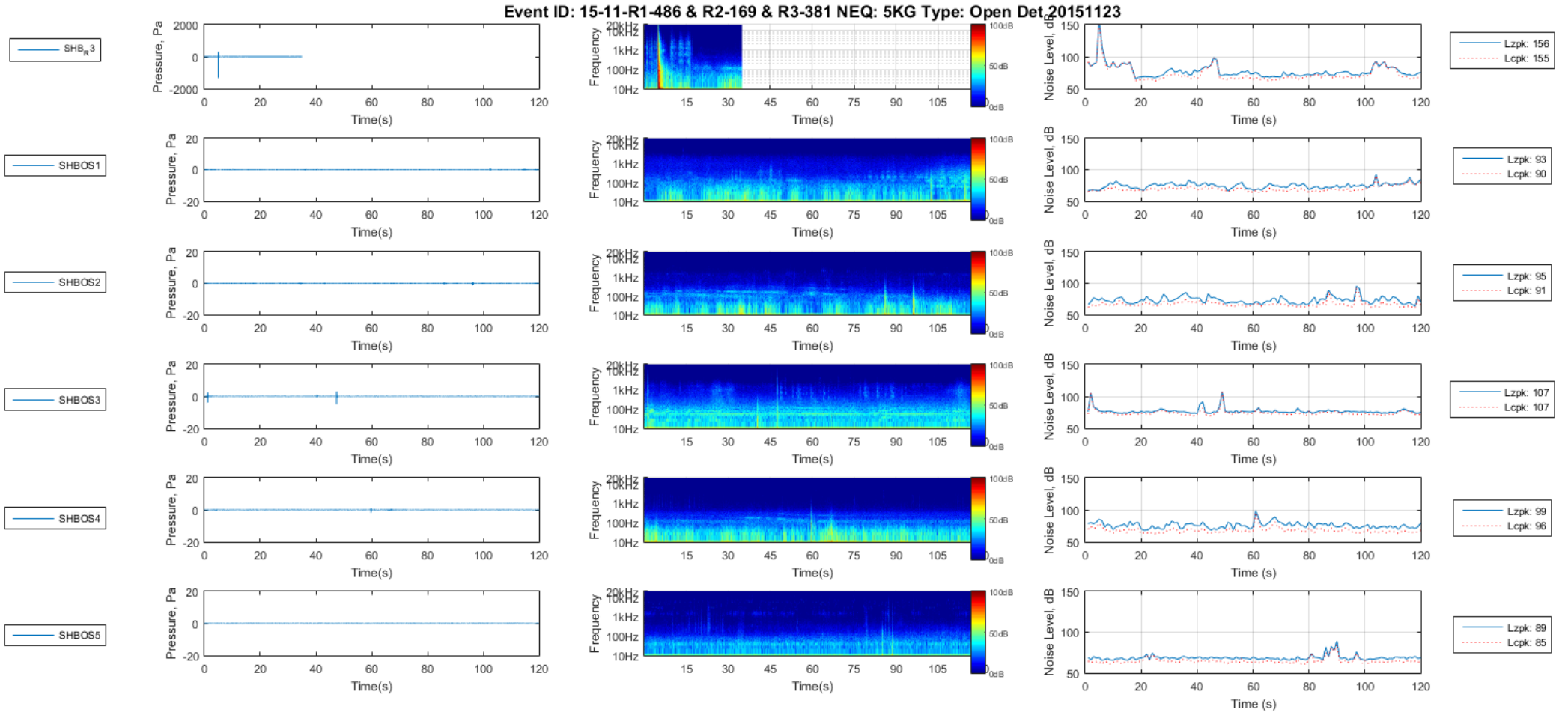


FIGURE 2.1846: SHB_OS 1 - 5 15-11-R1-486 & R2-169 & R3-381

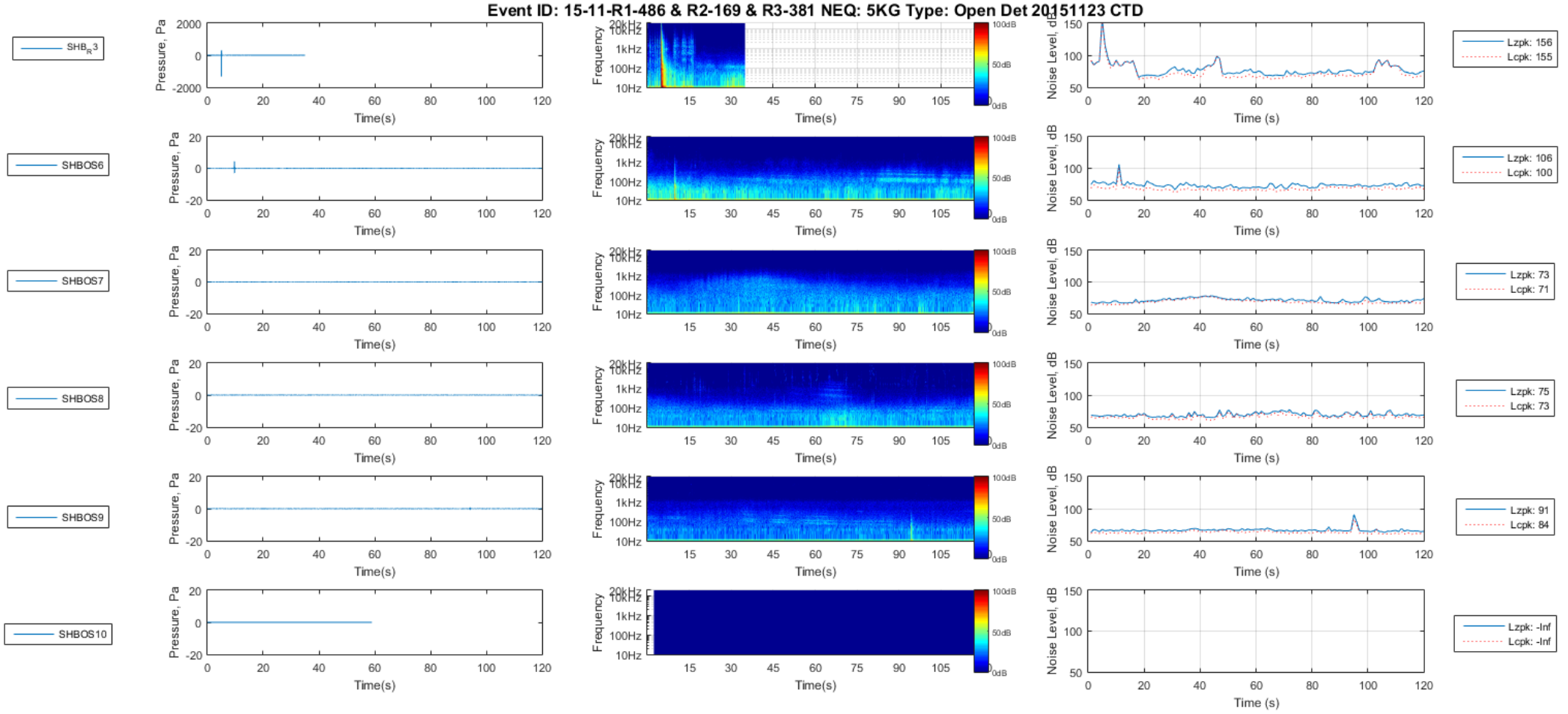


FIGURE 2.1847: SHB_OS 6 - 10 15-11-R1-486 & R2-169 & R3-381

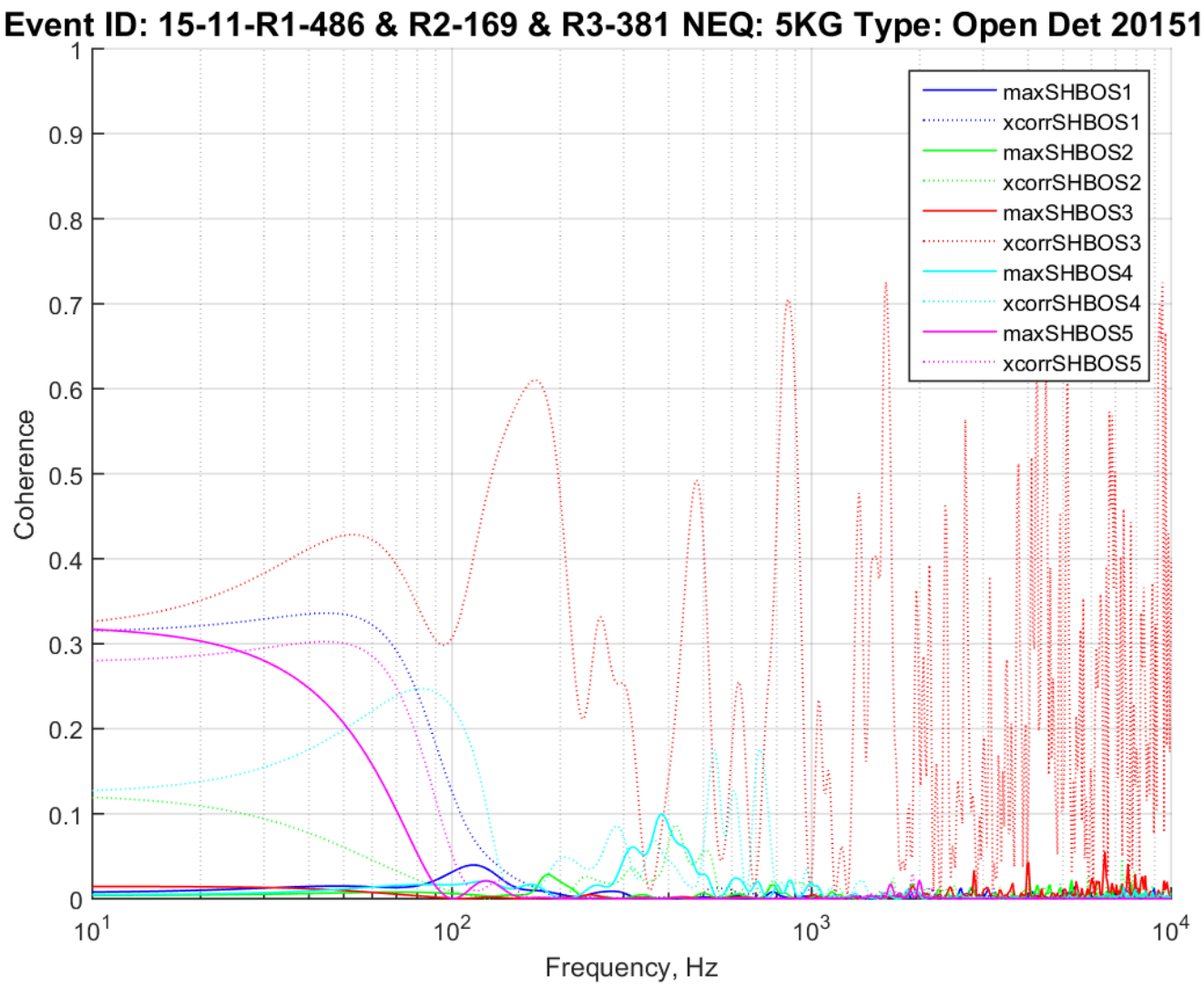


FIGURE 2.1848: COHERENCE SHB_OS 1 - 5 15-11-R1-486 & R2-169 & R3-381

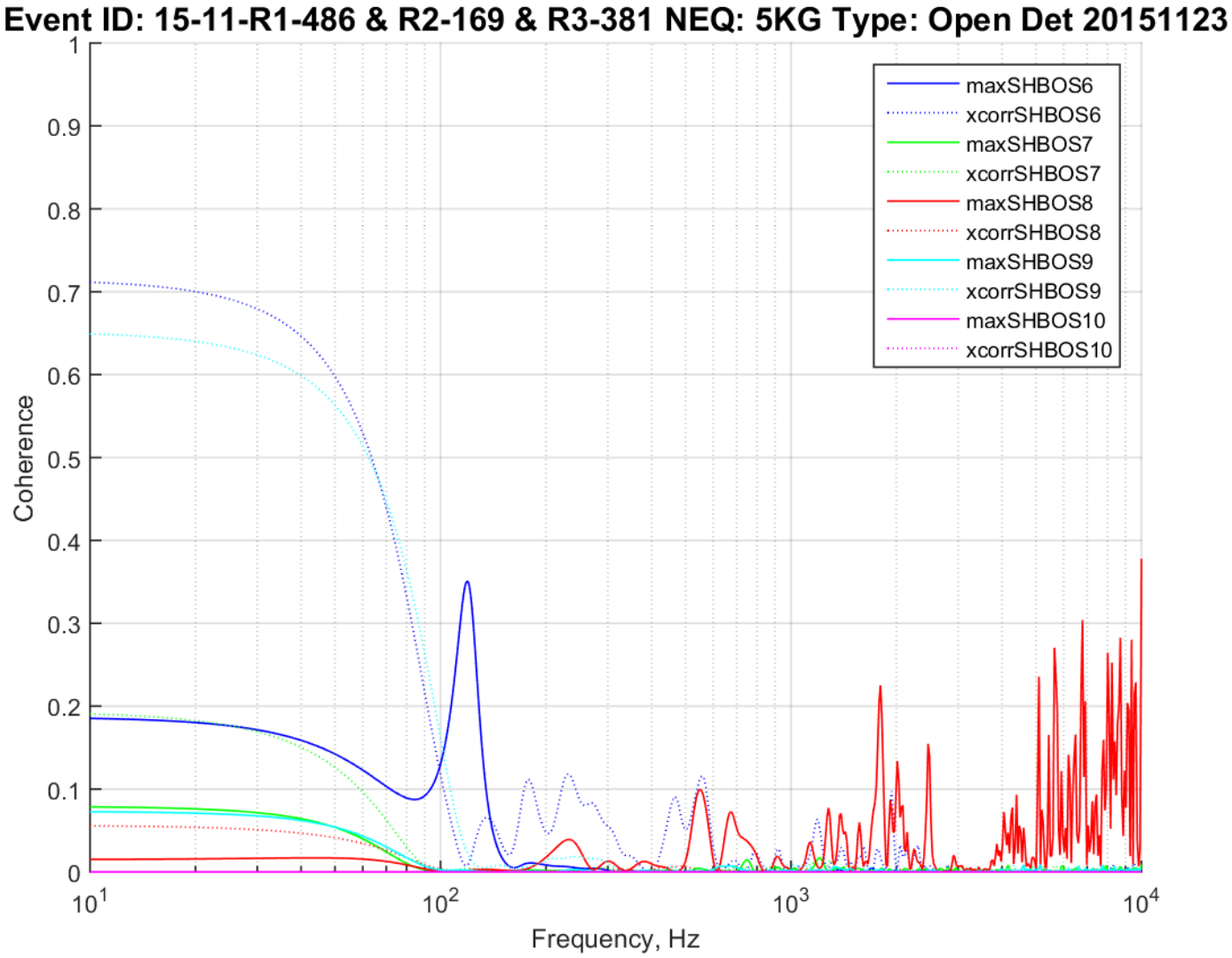


FIGURE 2.1849: COHERENCE SHB_OS 6 - 10 15-11-R1-486 & R2-169 & R3-381CTD

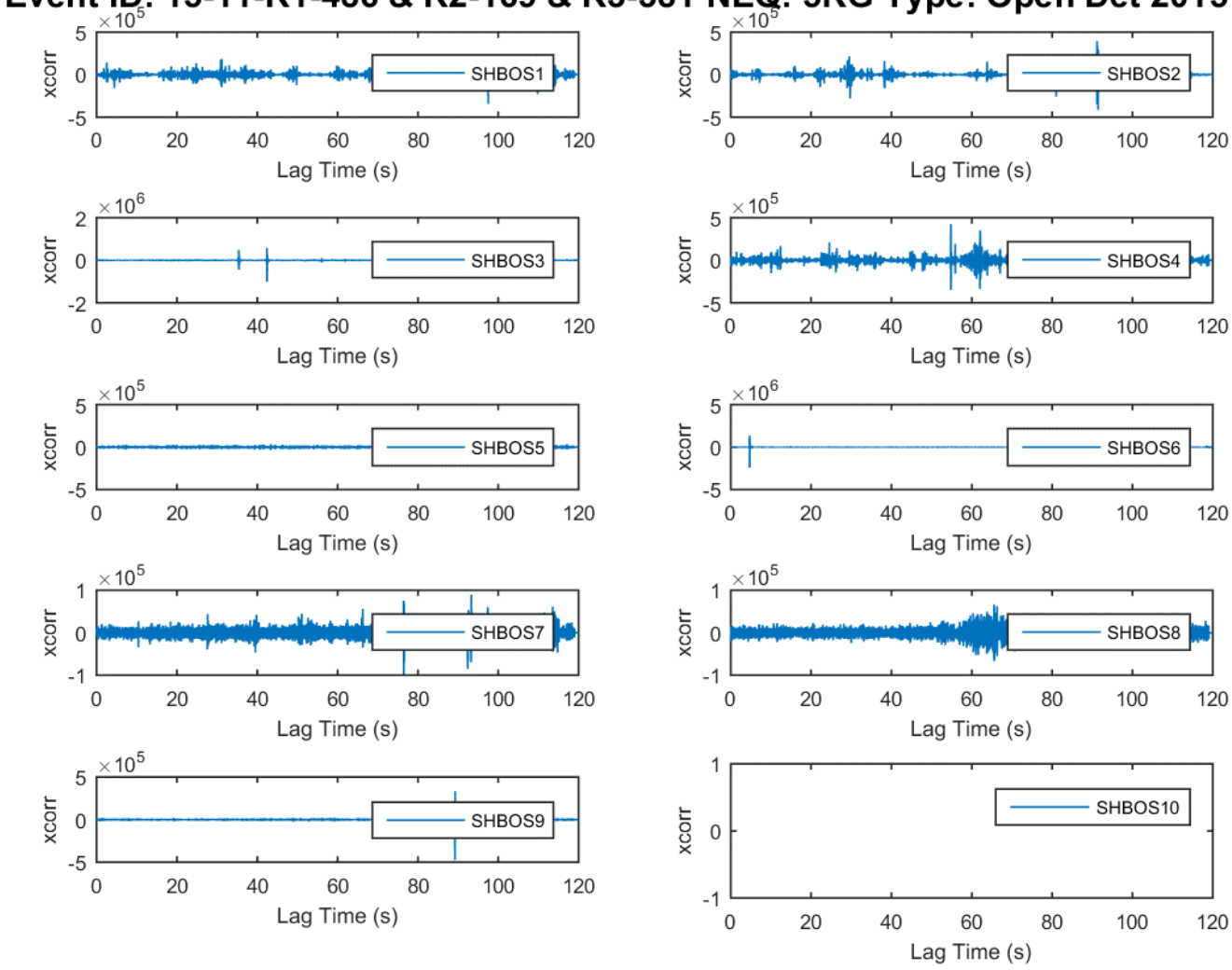


FIGURE 2.1850: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-486 & R2-169 & R3-381

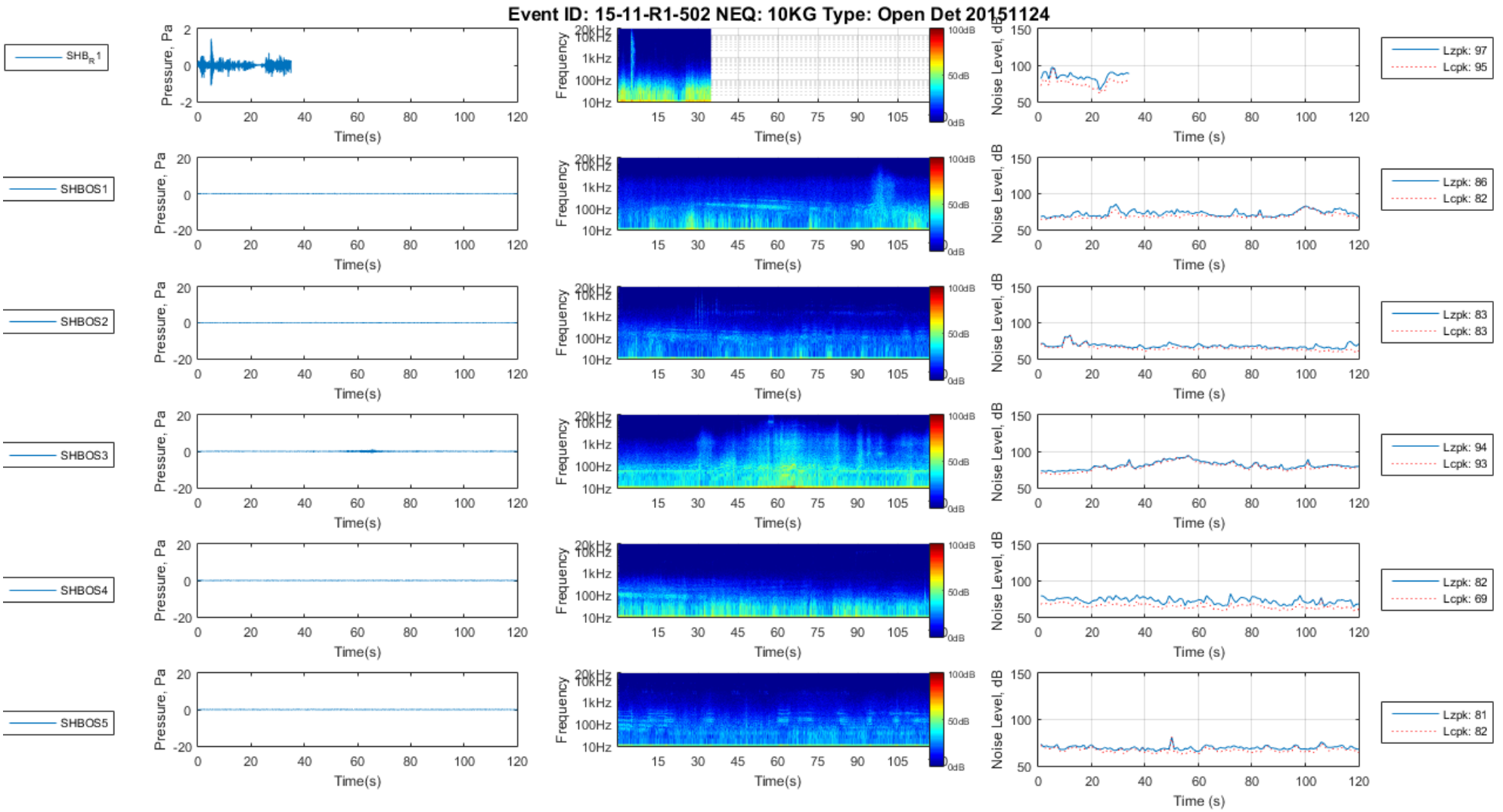


FIGURE 2.1851: SHB_OS 1 - 5 15-11-R1-502

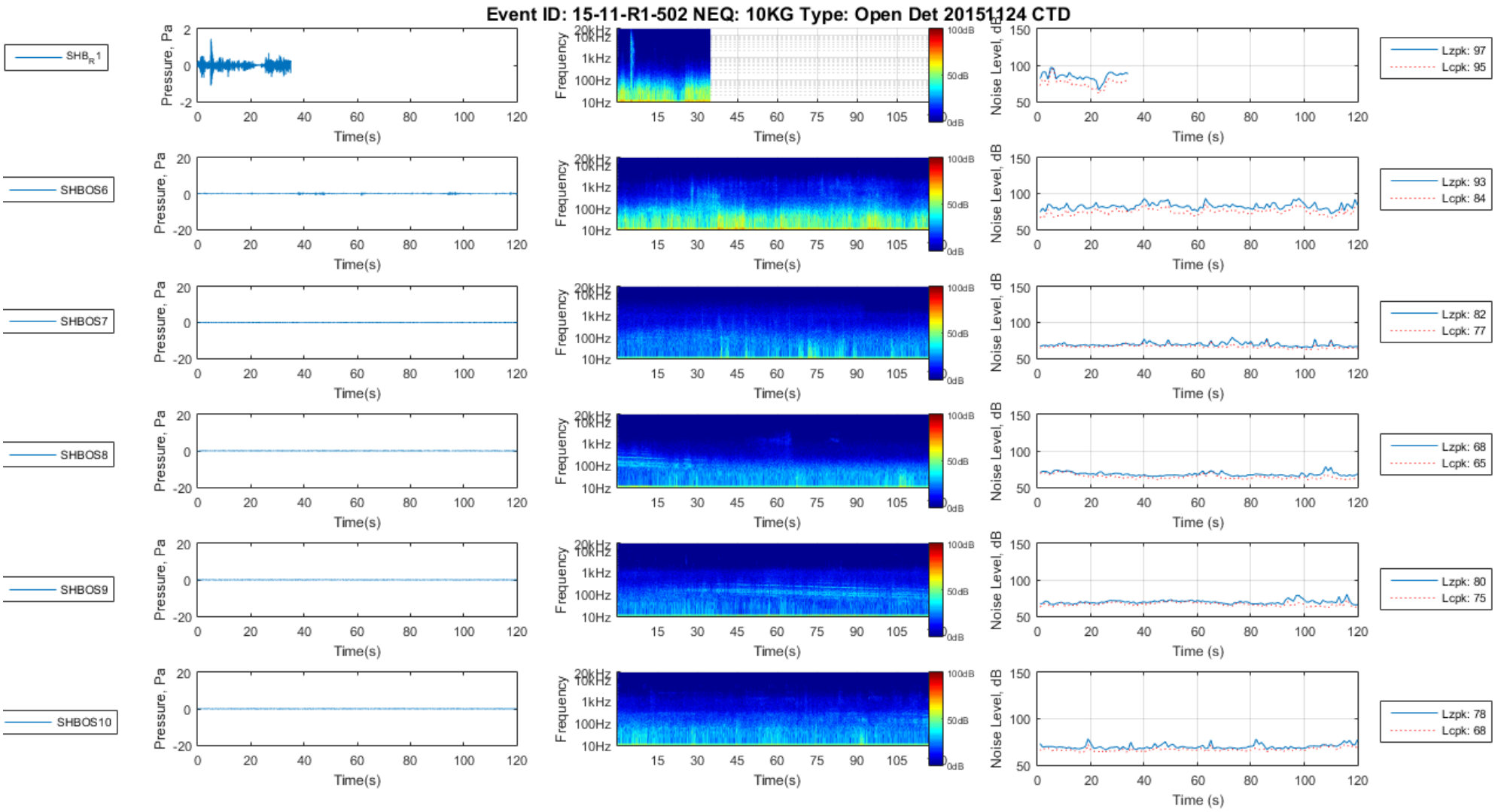


FIGURE 2.1852: SHB_OS 6 - 10 15-11-R1-502

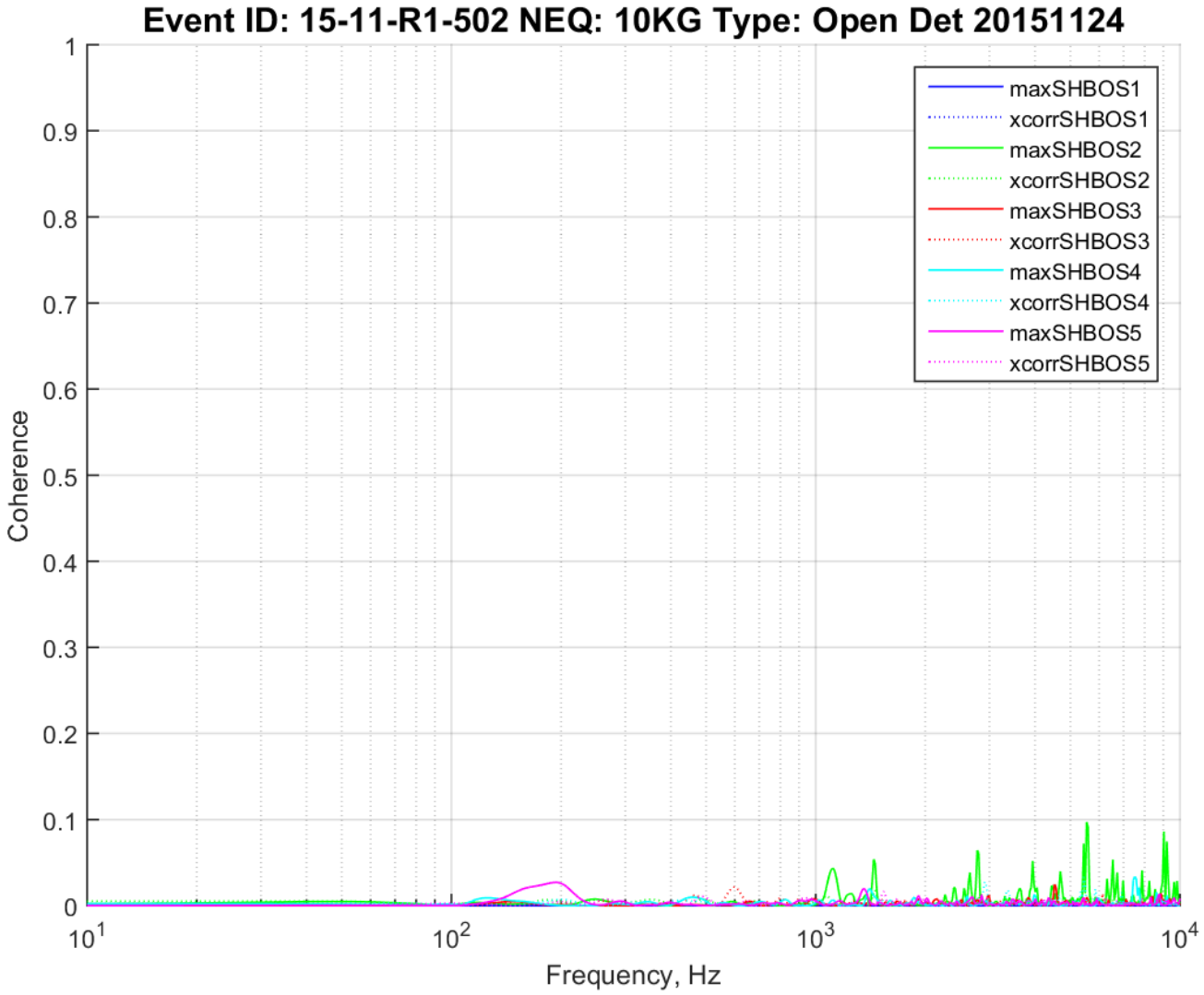


FIGURE 2.1853: COHERENCE SHB_OS 1 - 5 15-11-R1-502

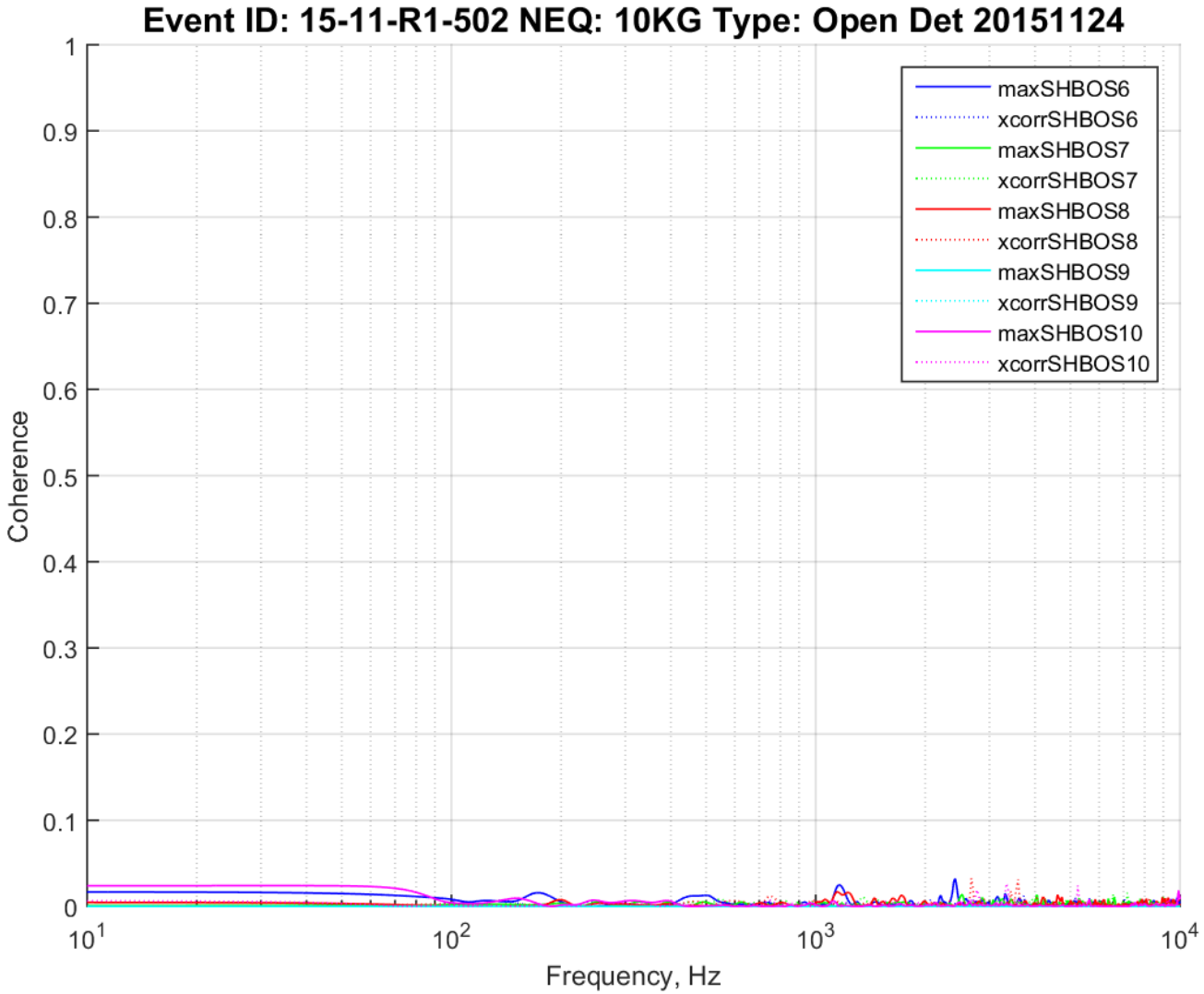


FIGURE 2.1854: COHERENCE SHB_OS 6 - 10 15-11-R1-502CTD

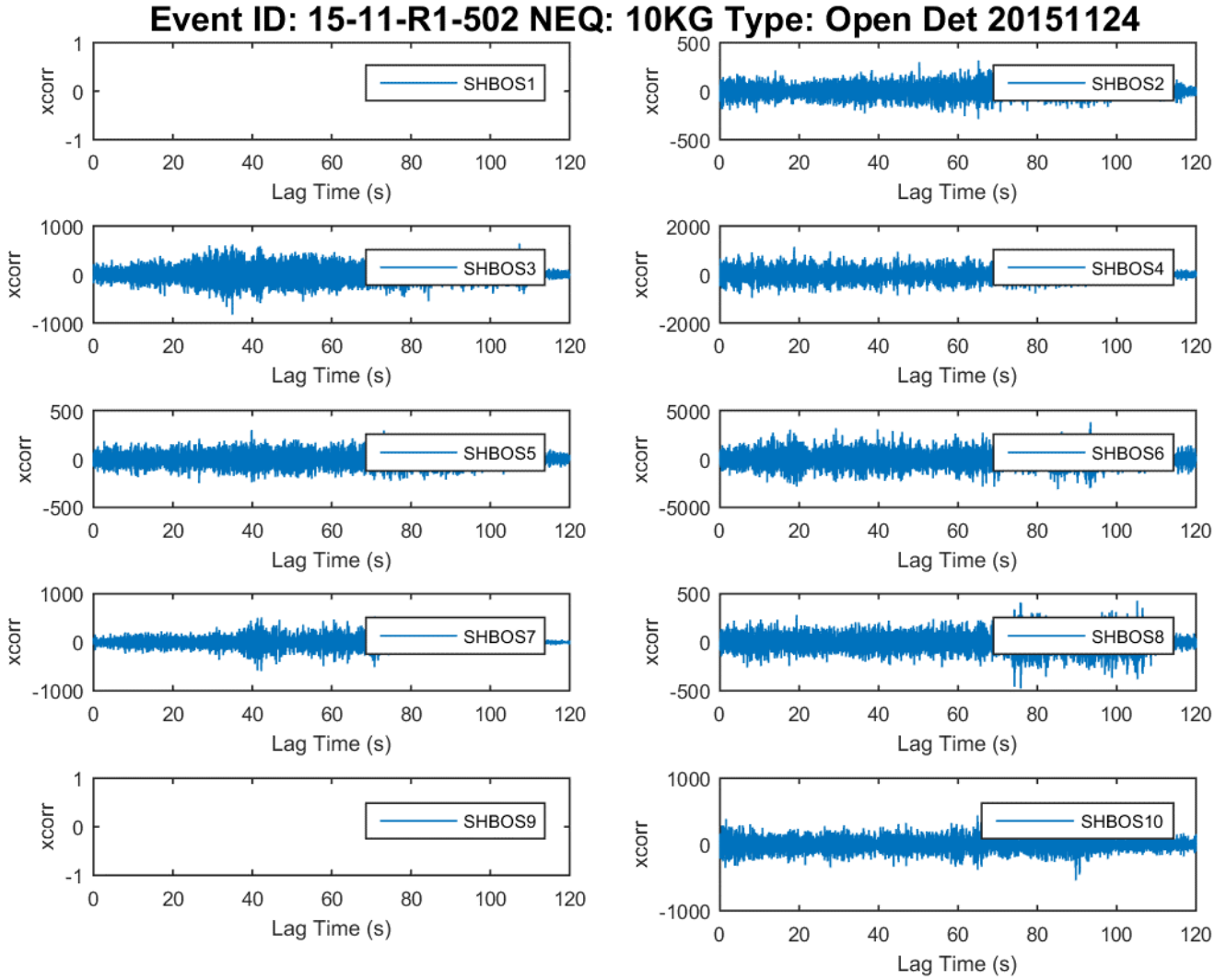


FIGURE 2.1855: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-502

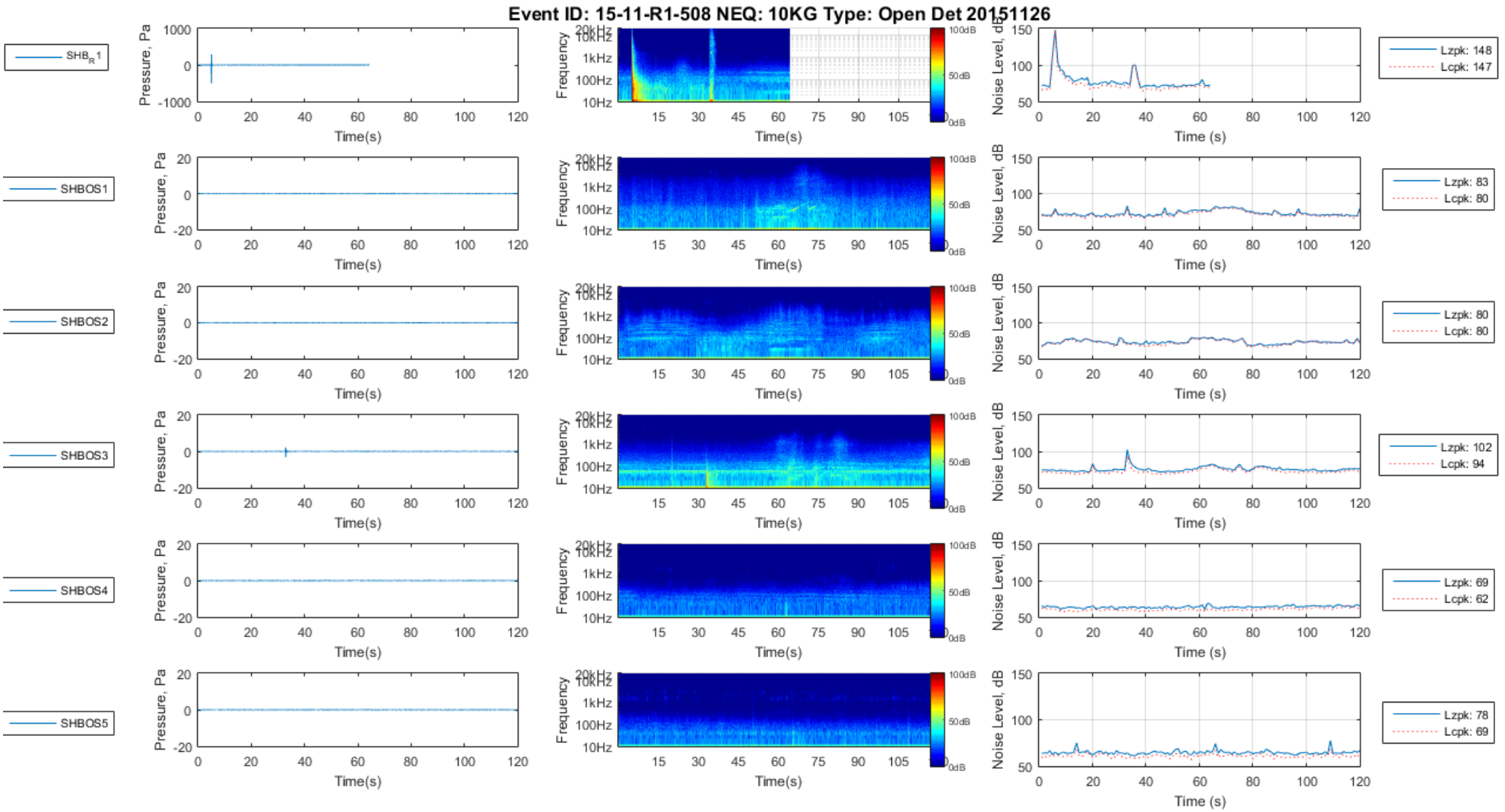


FIGURE 2.1856: SHB_OS 1 - 5 15-11-R1-508

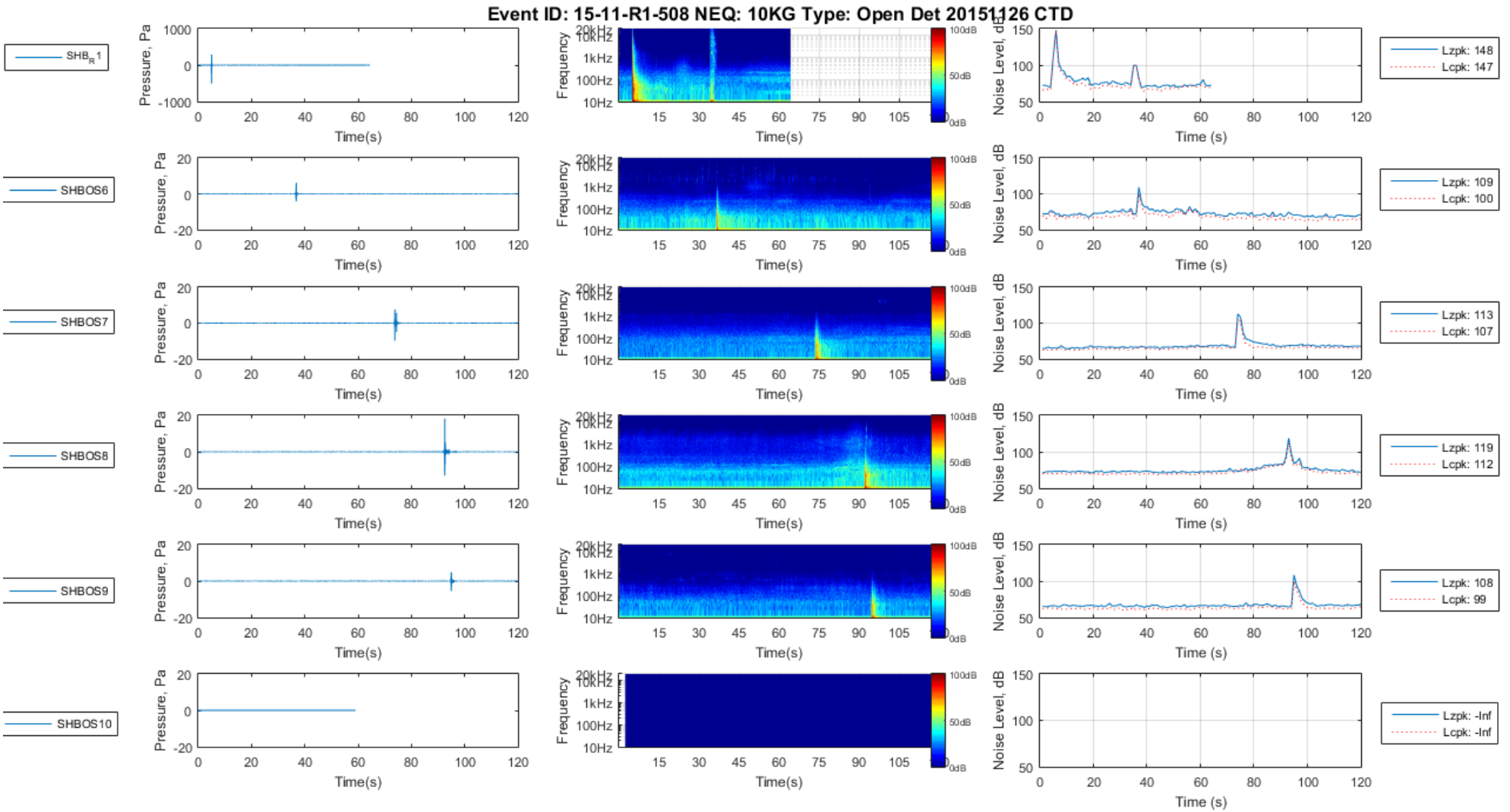


FIGURE 2.1857: SHB_OS 6 - 10 15-11-R1-508

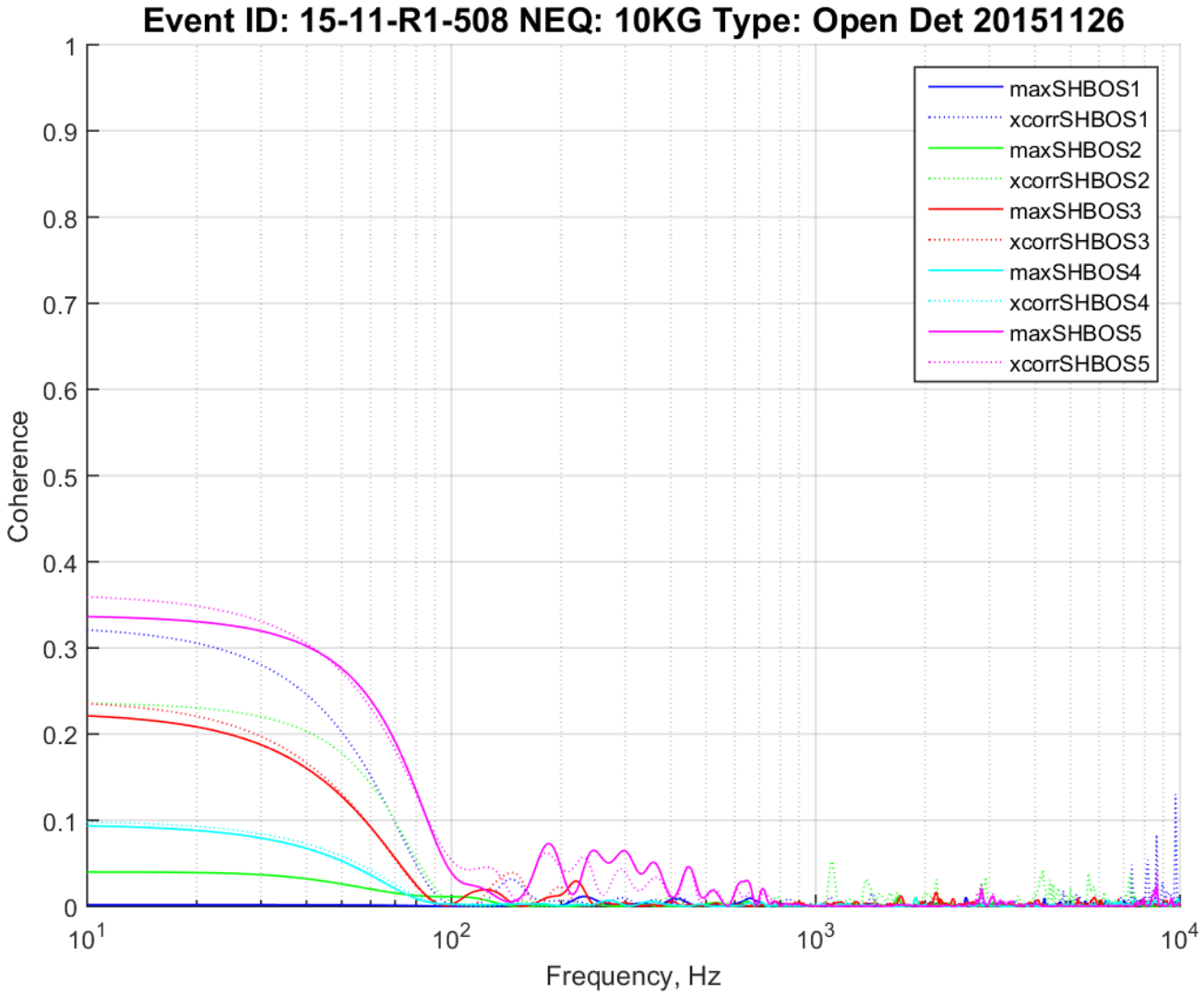


FIGURE 2.1858: COHERENCE SHB_OS 1 - 5 15-11-R1-508

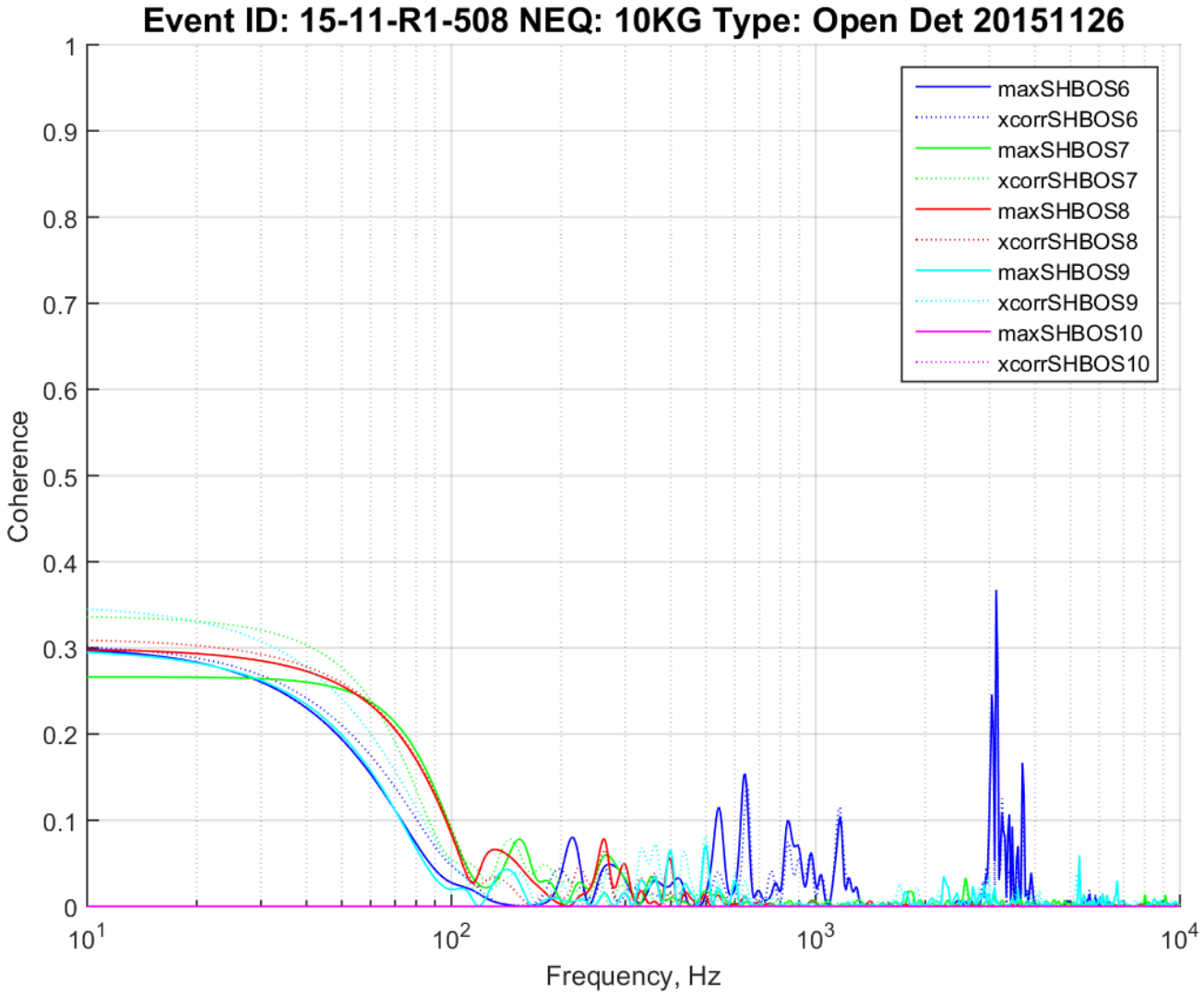


FIGURE 2.1859: COHERENCE SHB_OS 6 - 10 15-11-R1-508CTD

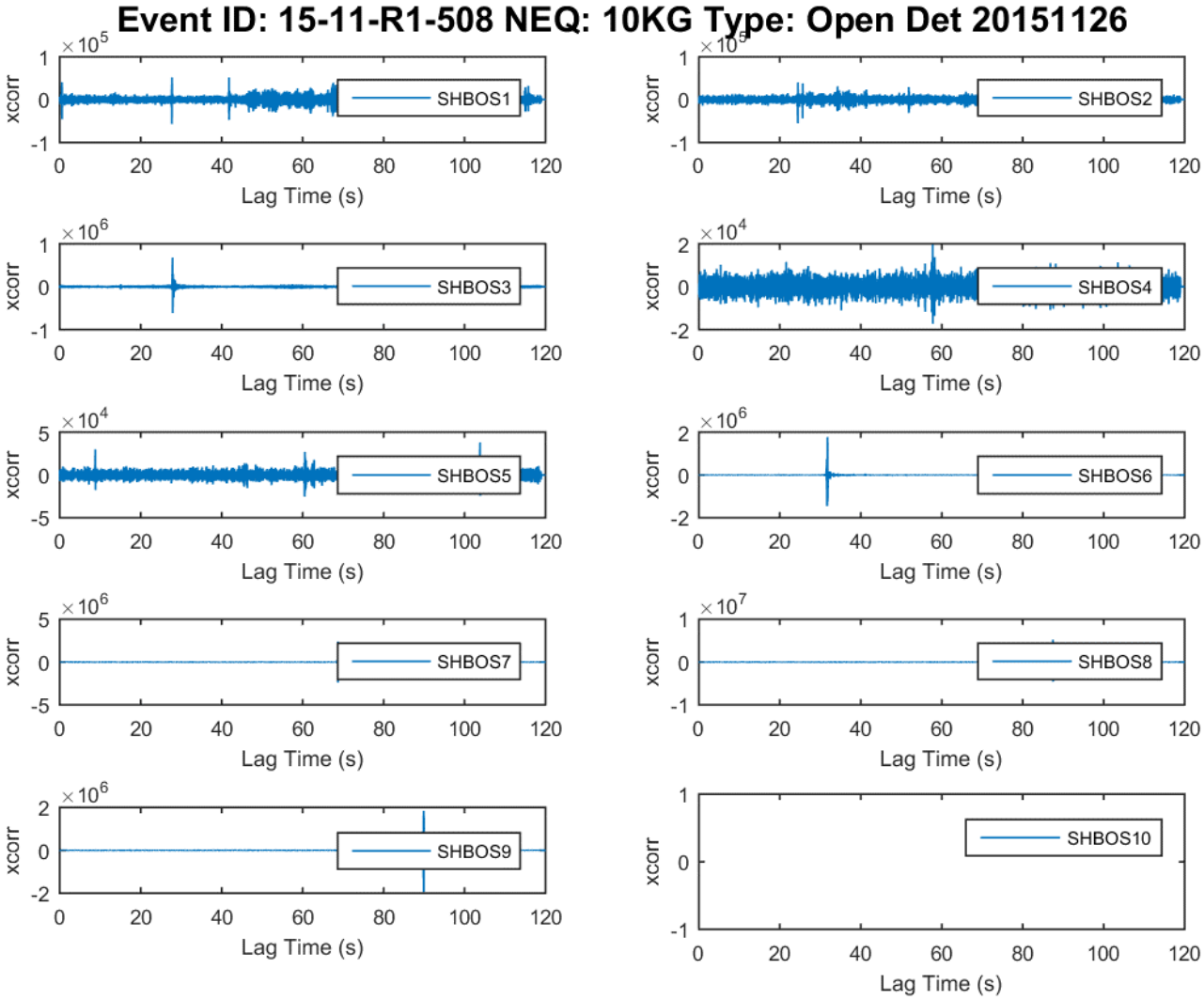


FIGURE 2.1860: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-508

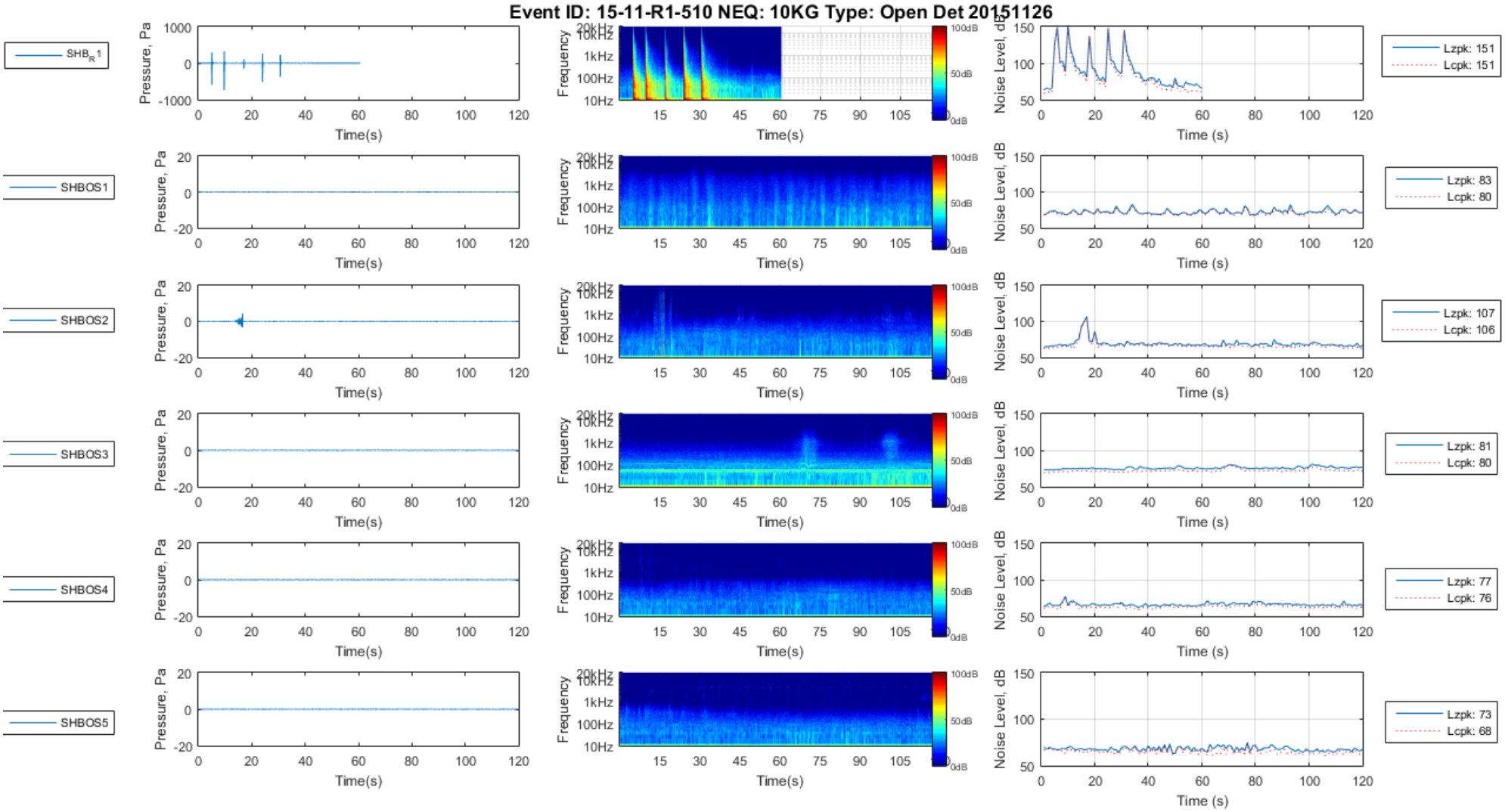


FIGURE 2.1861: SHB_OS 1 - 5 15-11-R1-510

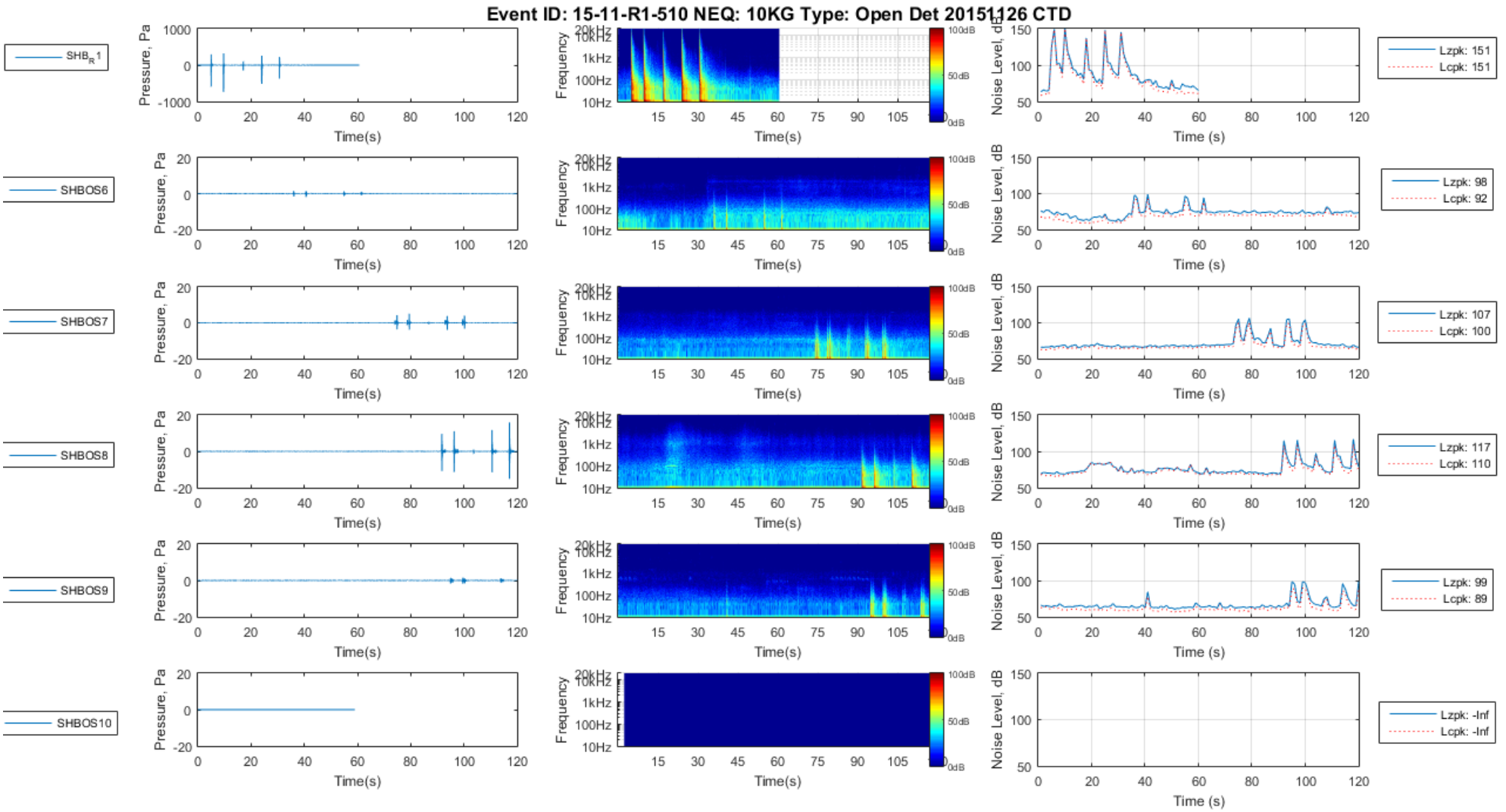


FIGURE 2.1862: SHB_OS 6 - 10 15-11-R1-510

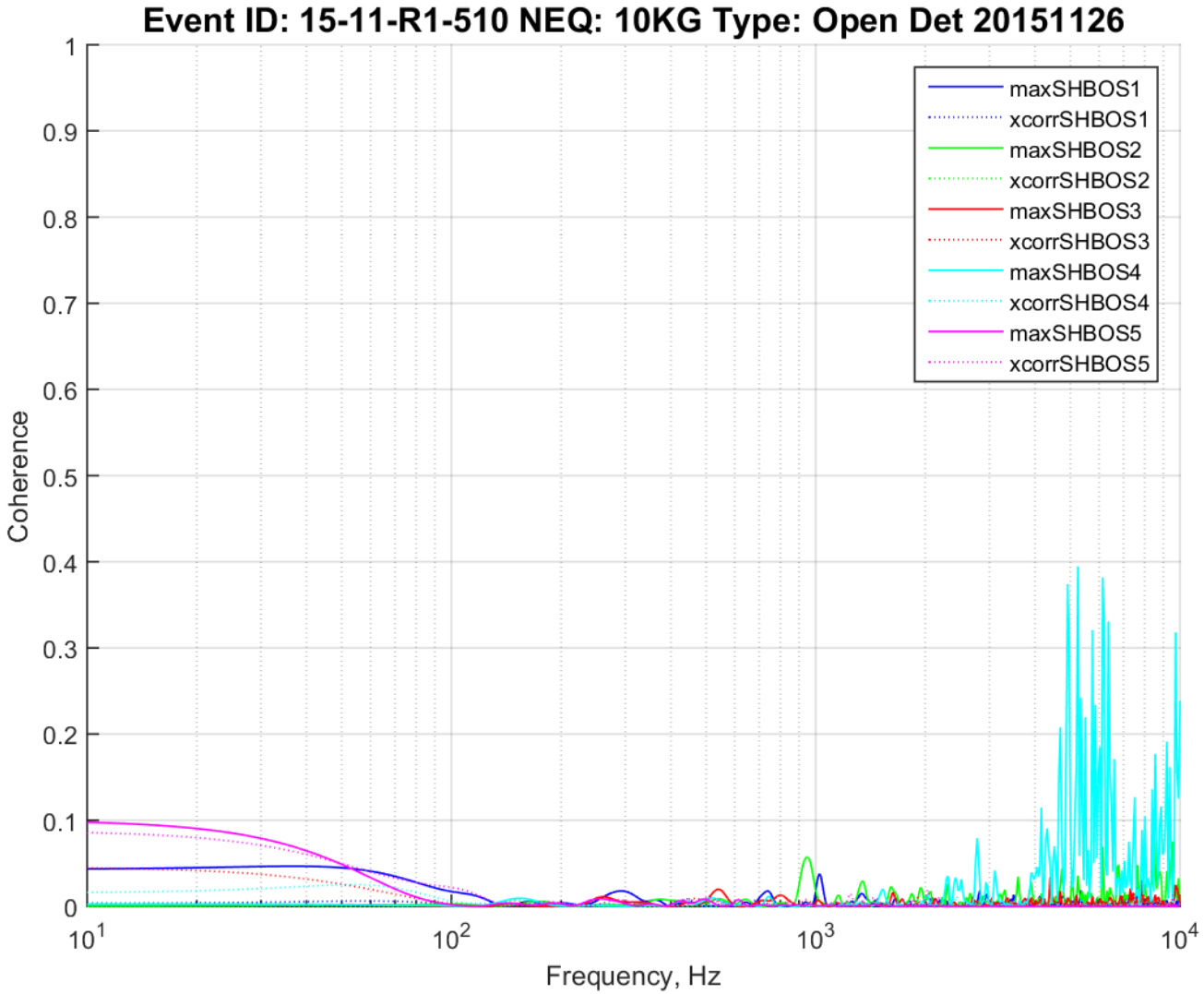


FIGURE 2.1863: COHERENCE SHB_OS 1 - 5 15-11-R1-510

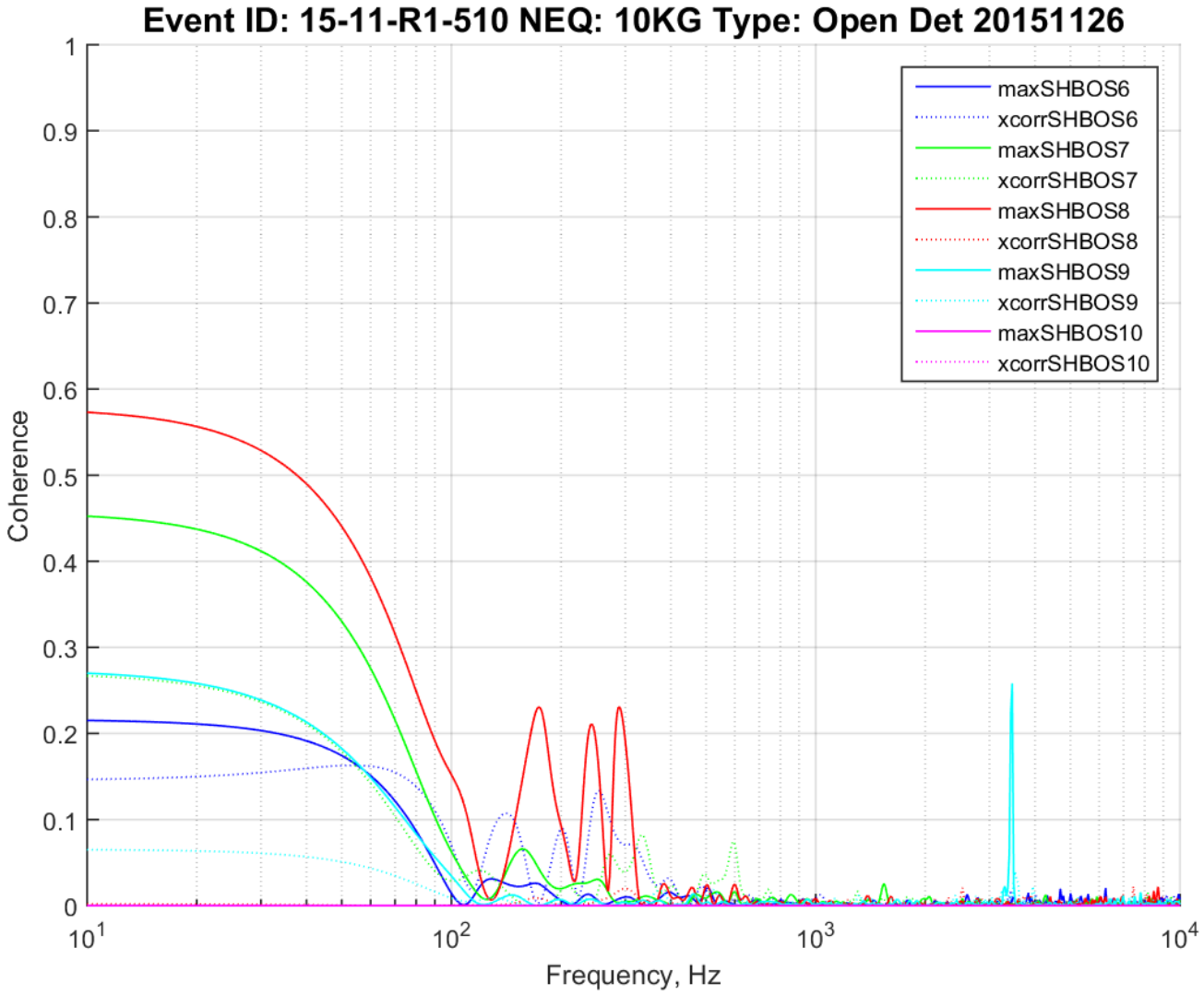


FIGURE 2.1864: COHERENCE SHB_OS 6 - 10 15-11-R1-510CTD

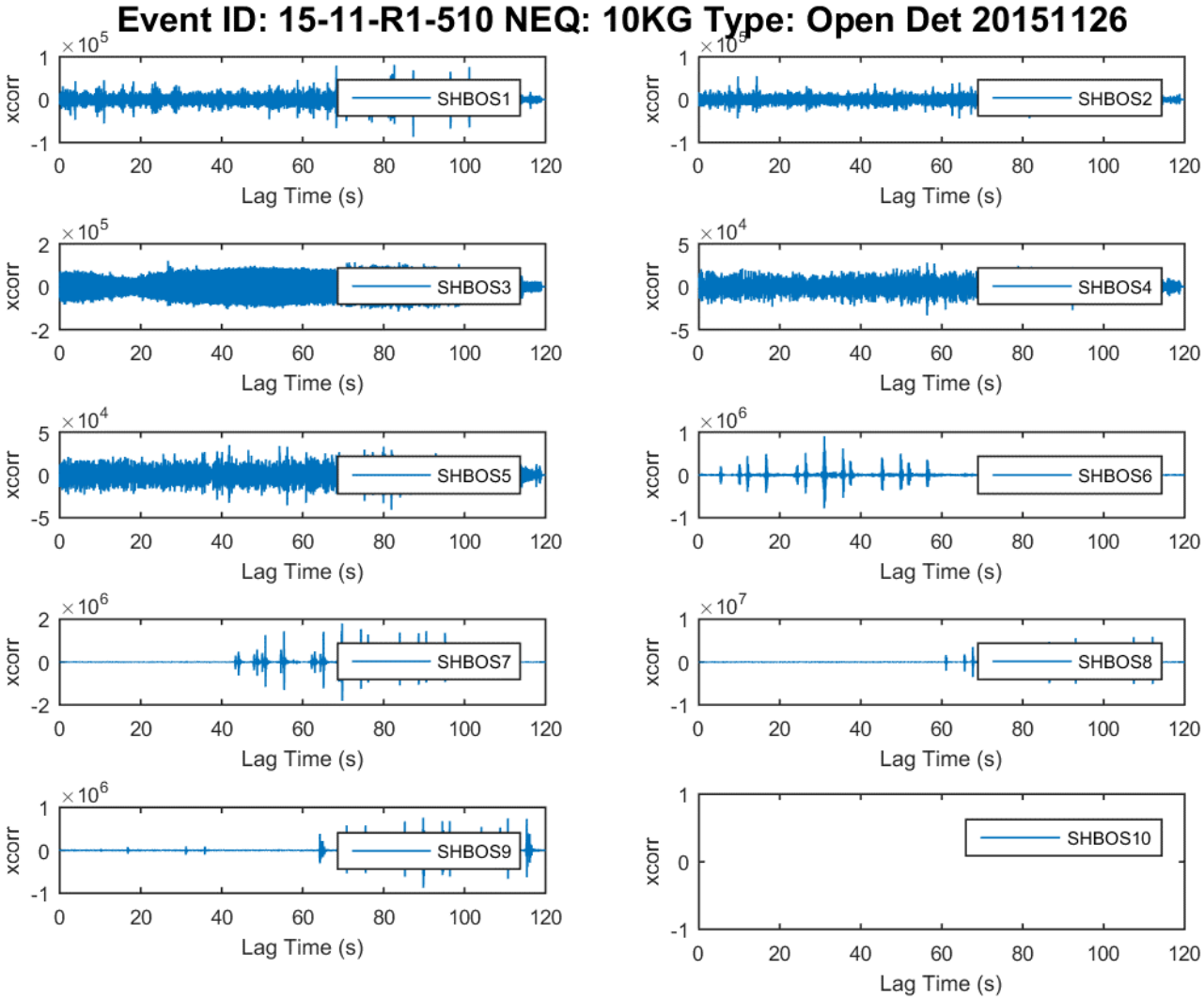
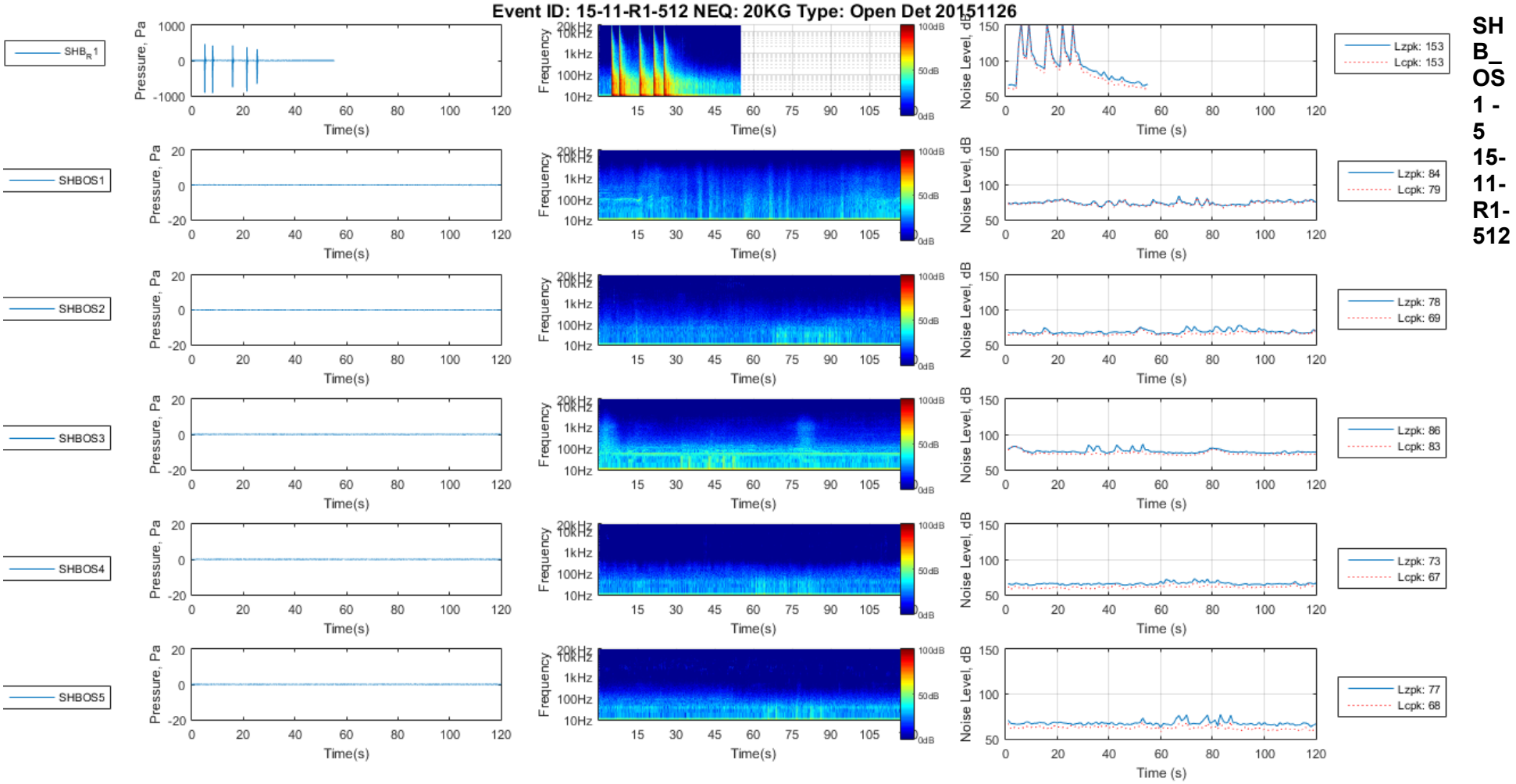


FIGURE 2.1865: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-510

FIGURE 2.1



SHB_OS1-5 15-11-R1-512

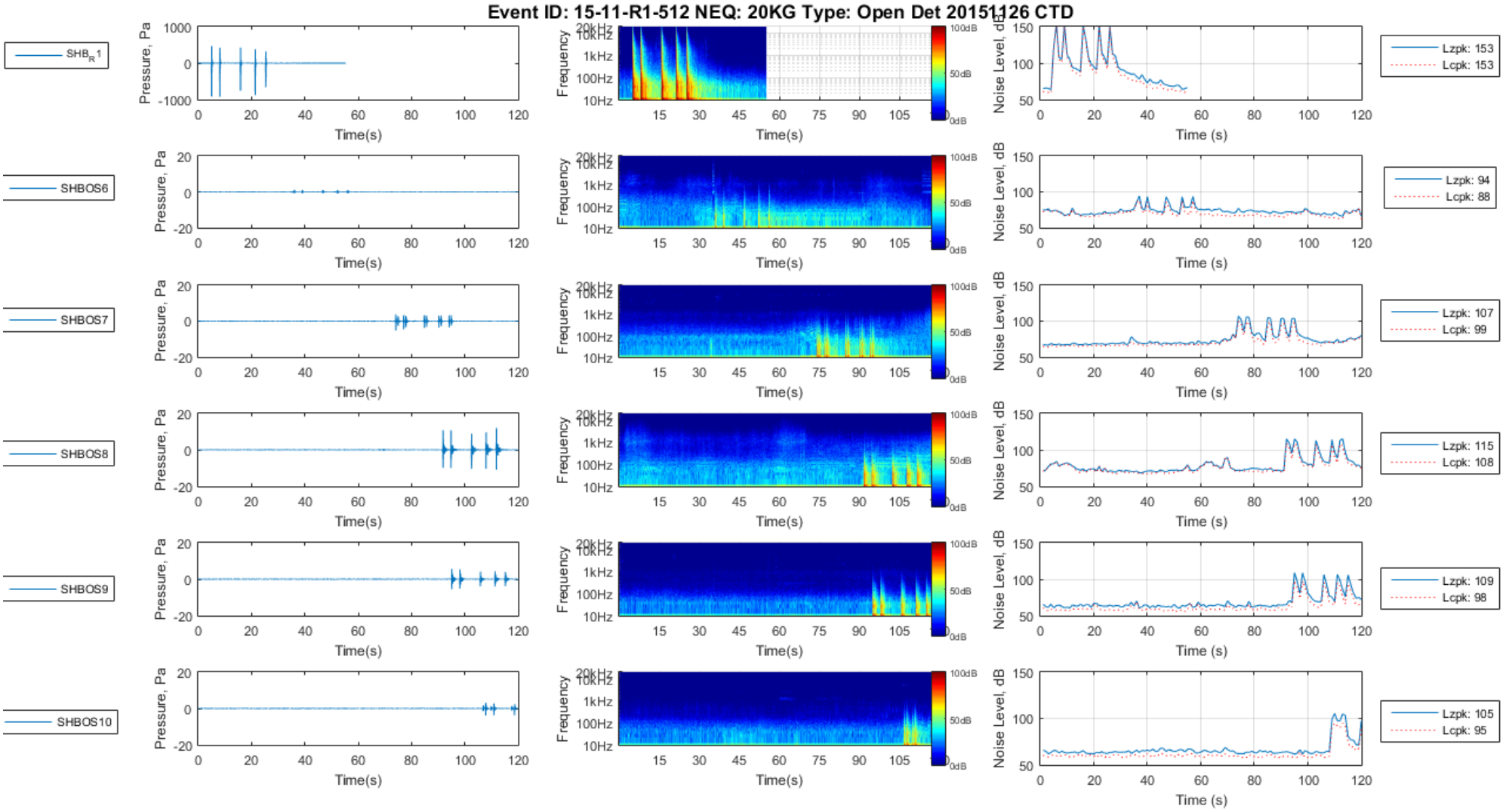


FIGURE 2.1867: SHB_OS 6 - 10 15-11-R1-512

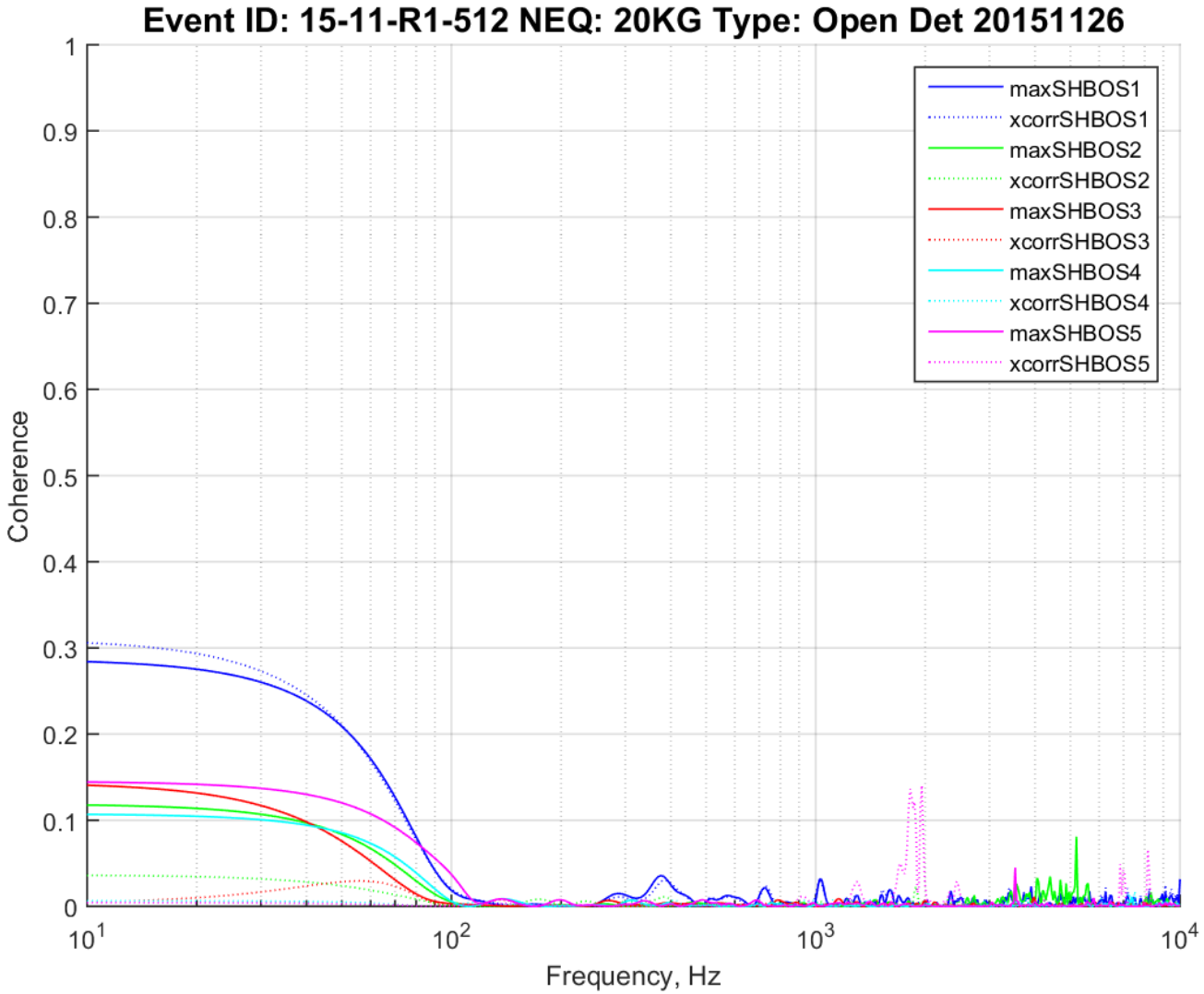


FIGURE 2.1868: COHERENCE SHB_OS 1 - 5 15-11-R1-512

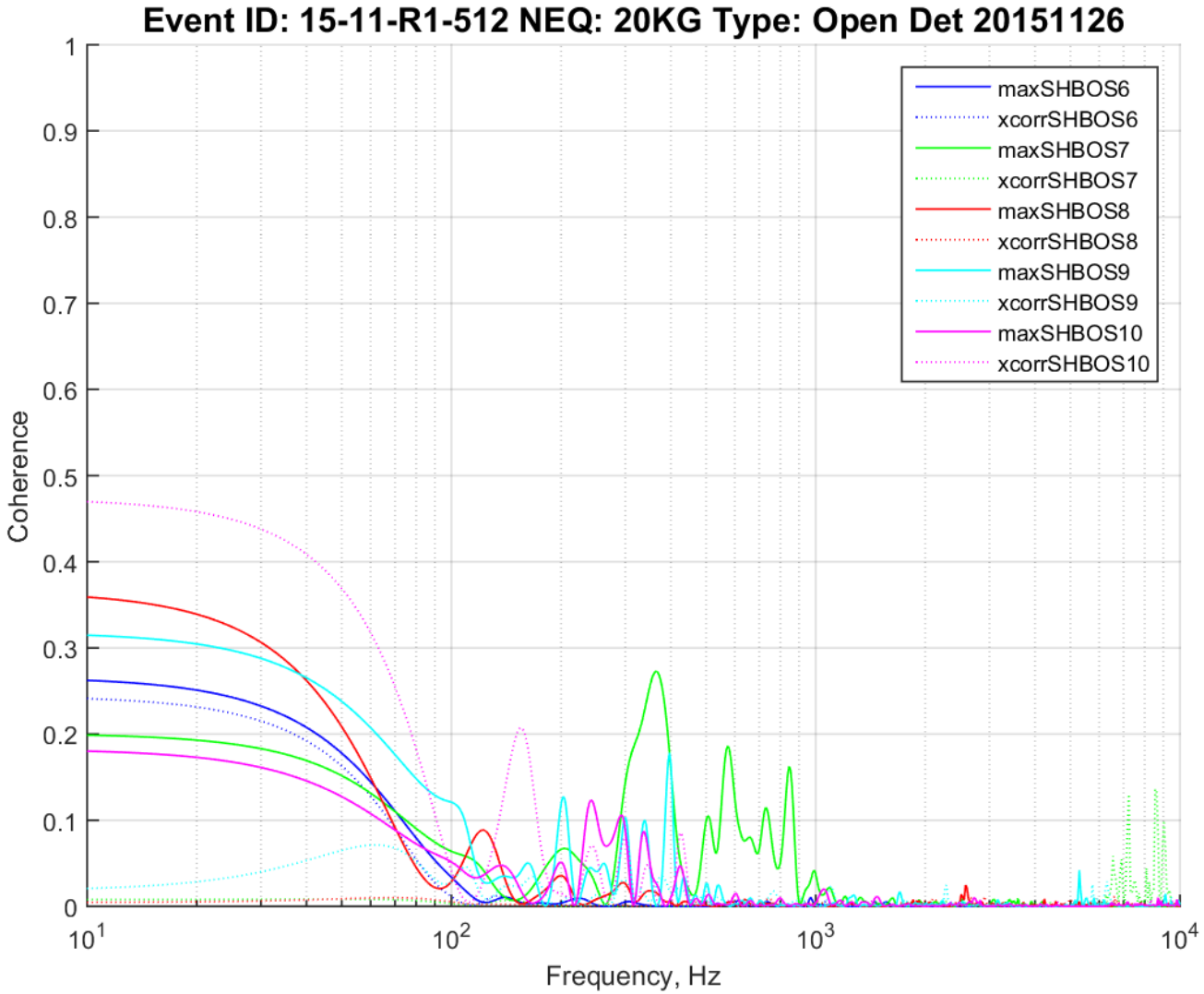


FIGURE 2.1869: COHERENCE SHB_OS 6 - 10 15-11-R1-512CTD

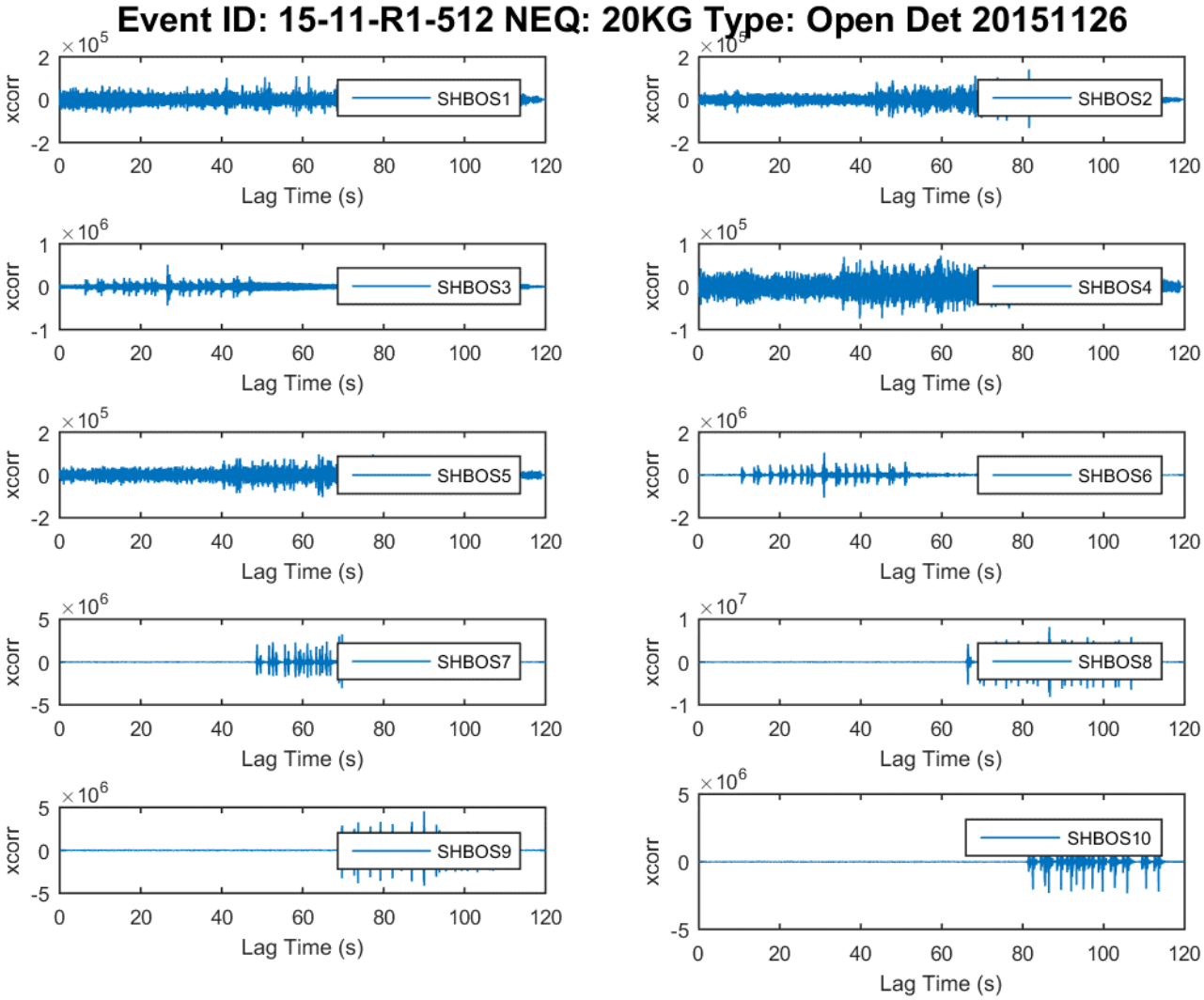


FIGURE 2.1870: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-512

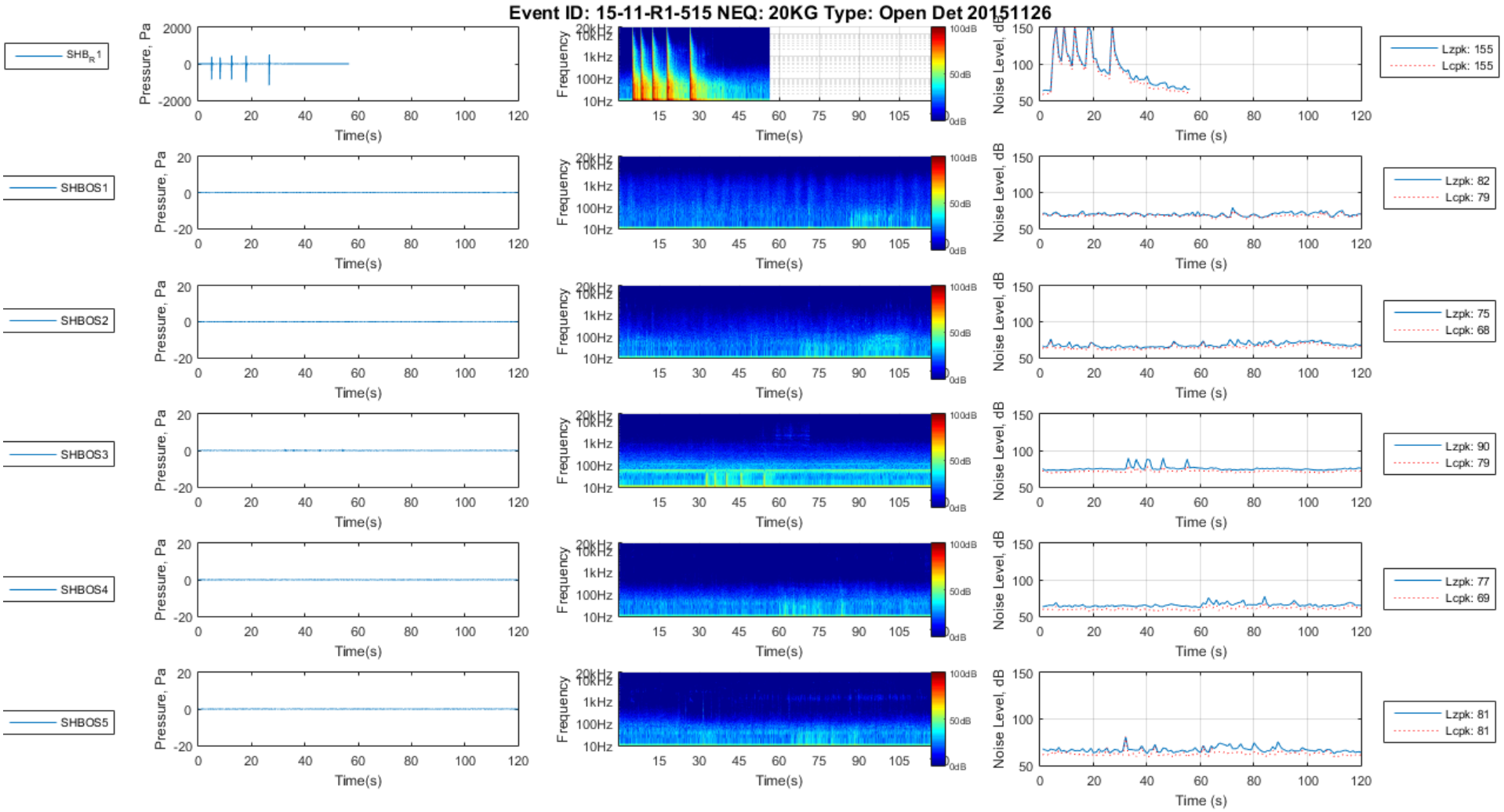


FIGURE 2.1871: SHB_OS 1 - 5 15-11-R1-515

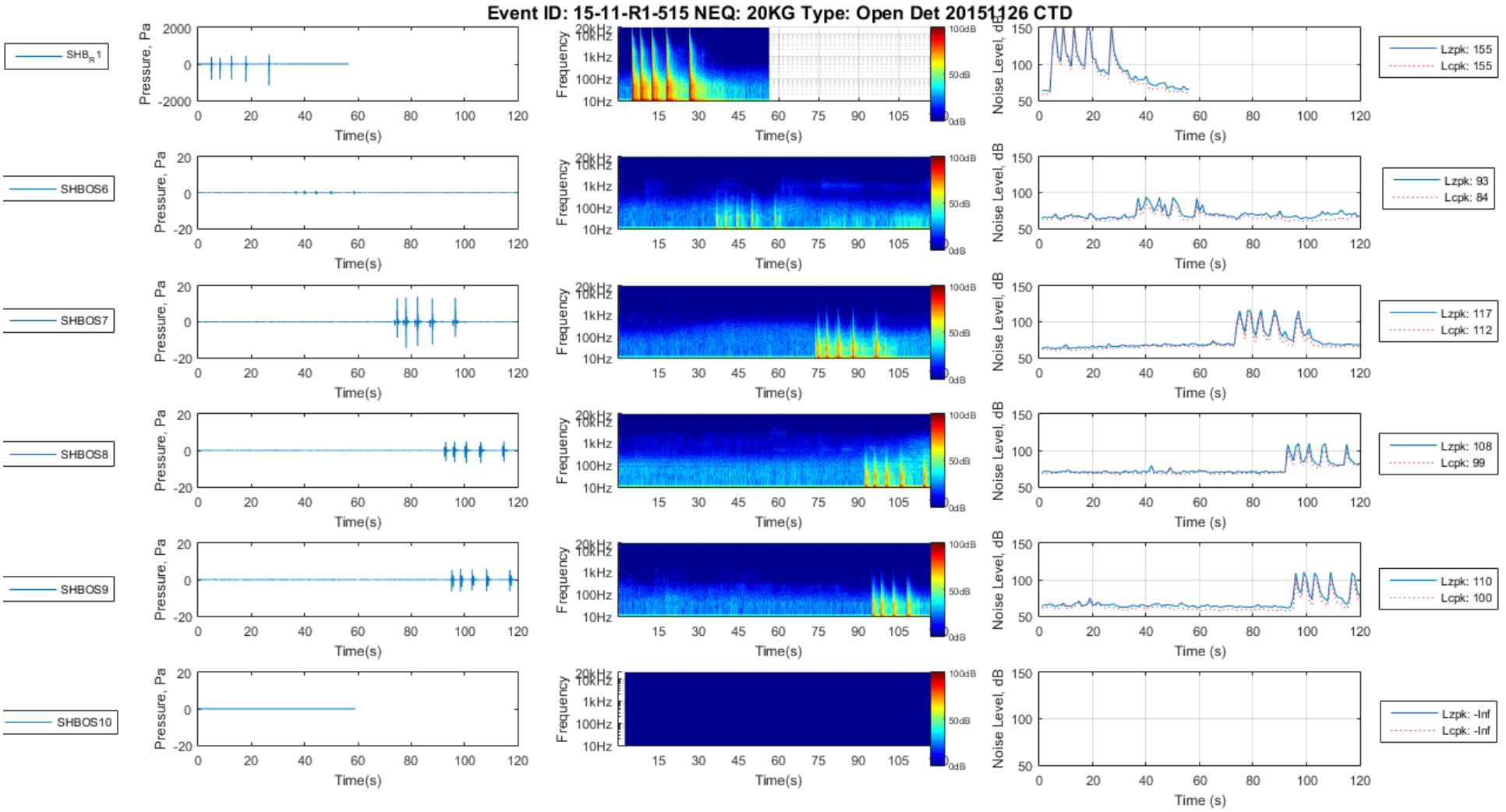


FIGURE 2.1872: SHB_OS 6 - 10 15-11-R1-515

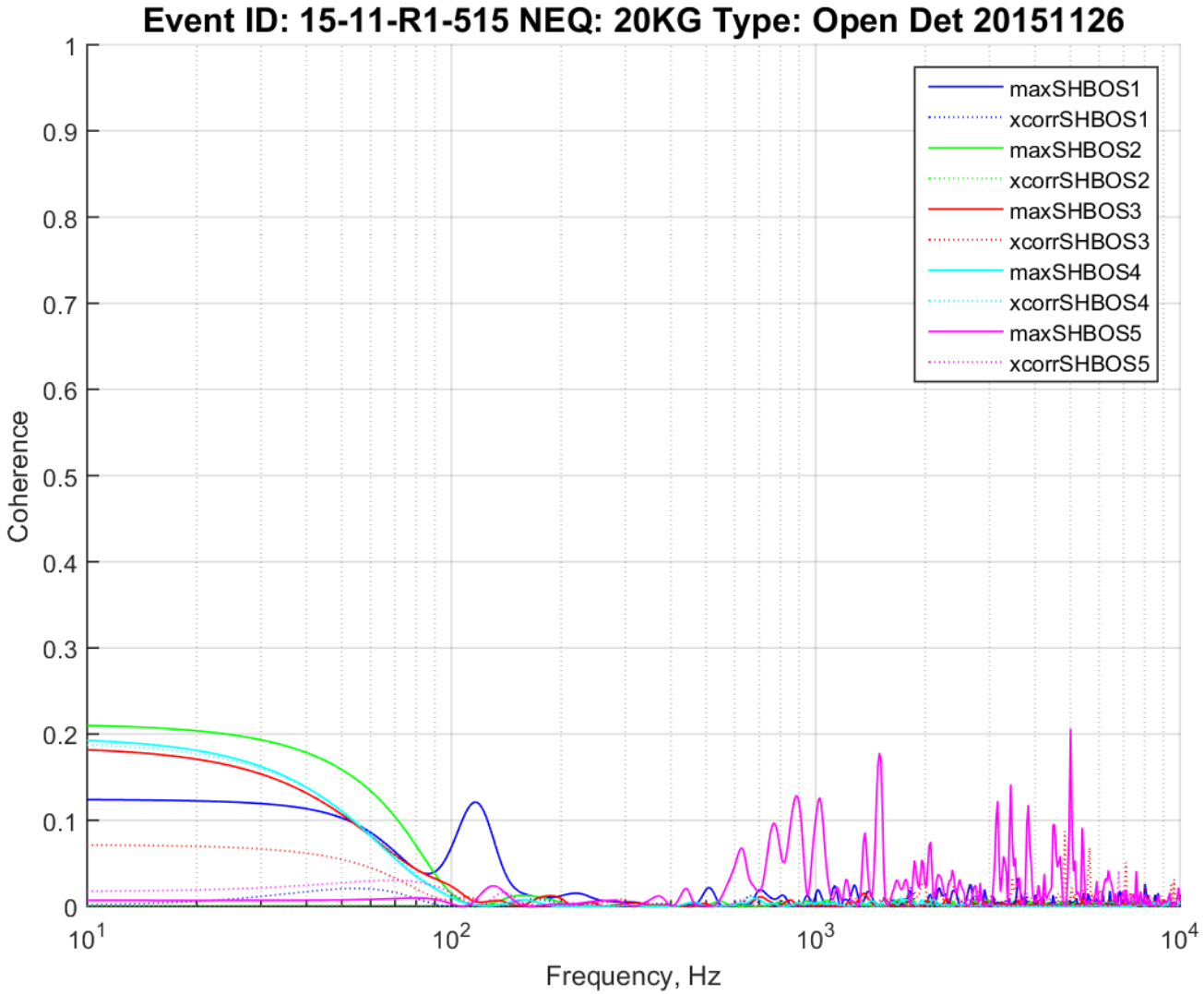


FIGURE 2.1873: COHERENCE SHB_OS 1 - 5 15-11-R1-515

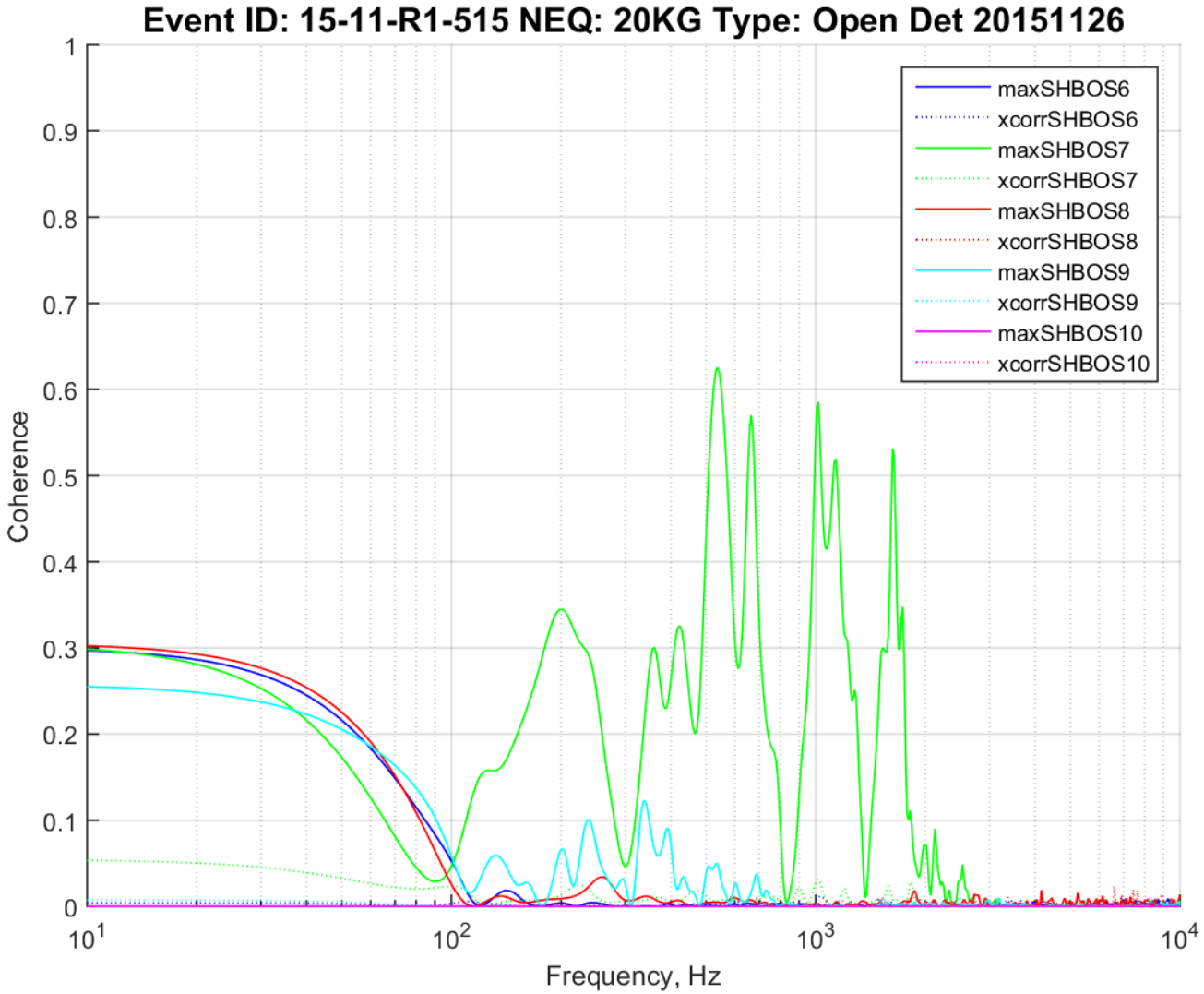


FIGURE 2.1874: COHERENCE SHB_OS 6 - 10 15-11-R1-515CTD

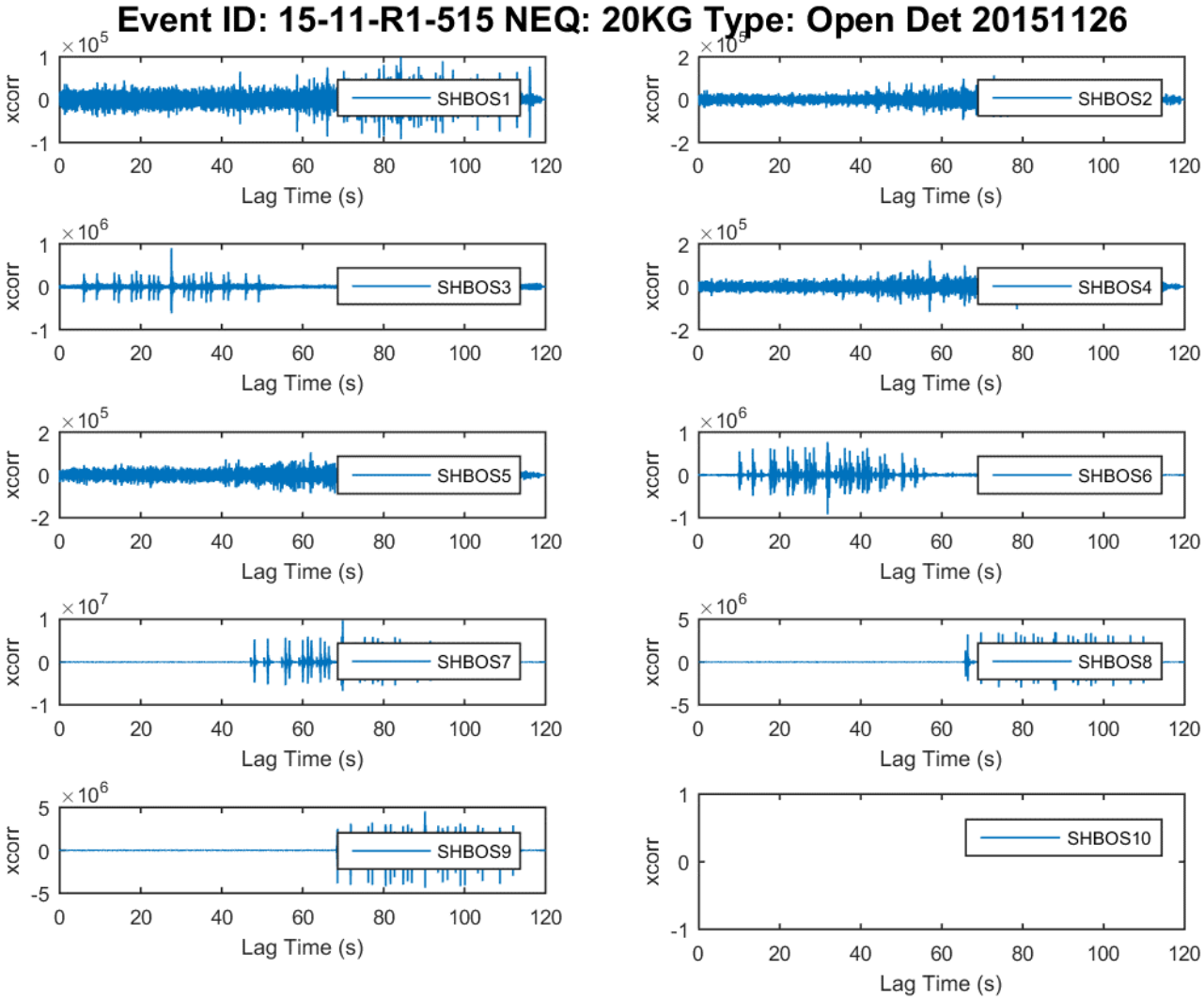


FIGURE 2.1875: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-515

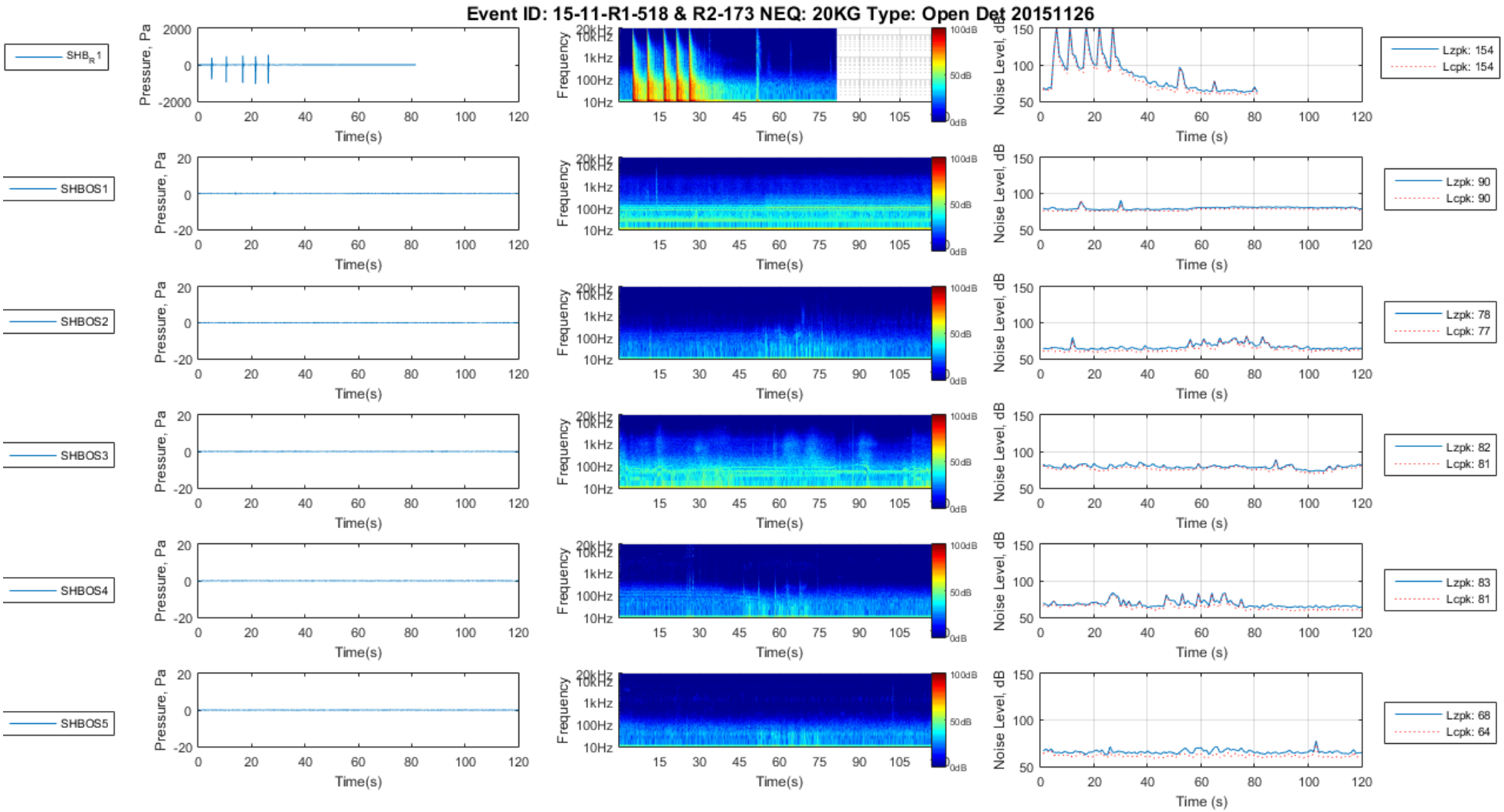


FIGURE 2.1876: SHB_OS 1 - 5 15-11-R1-518 & R2-173

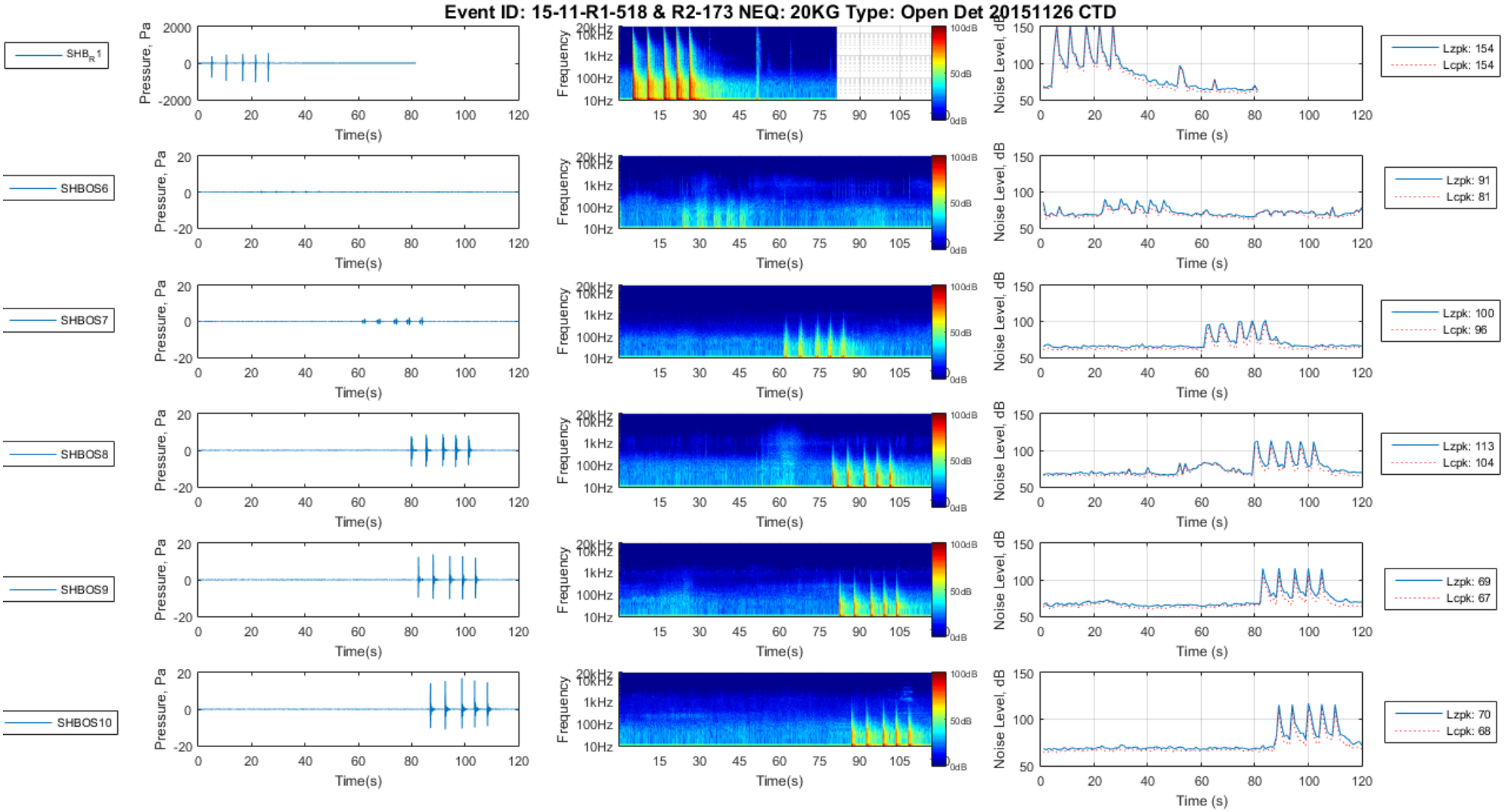


FIGURE 2.1877: SHB_OS 6 - 10 15-11-R1-518 & R2-173

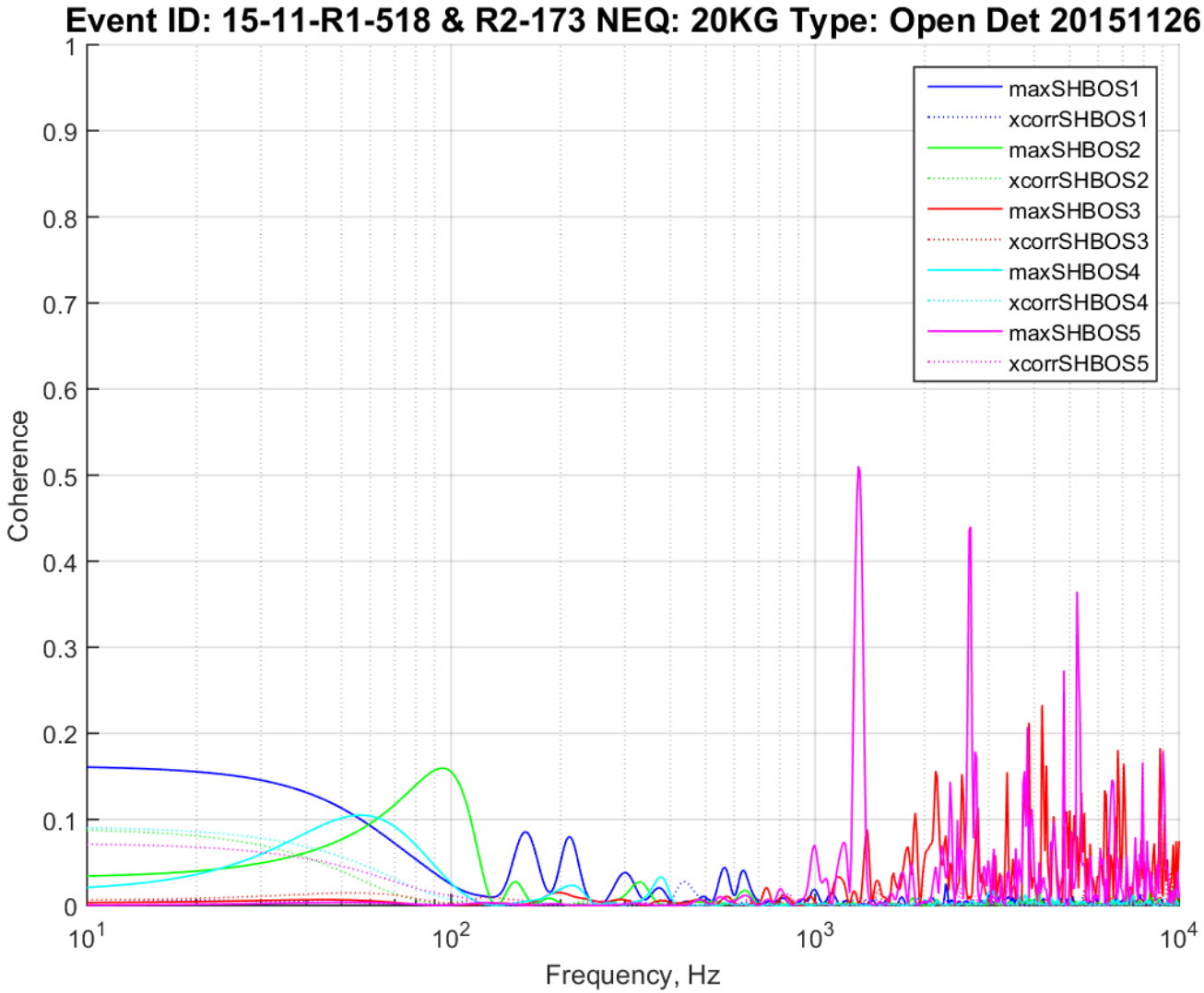


FIGURE 2.1878: COHERENCE SHB_OS 1 - 5 15-11-R1-518 & R2-173

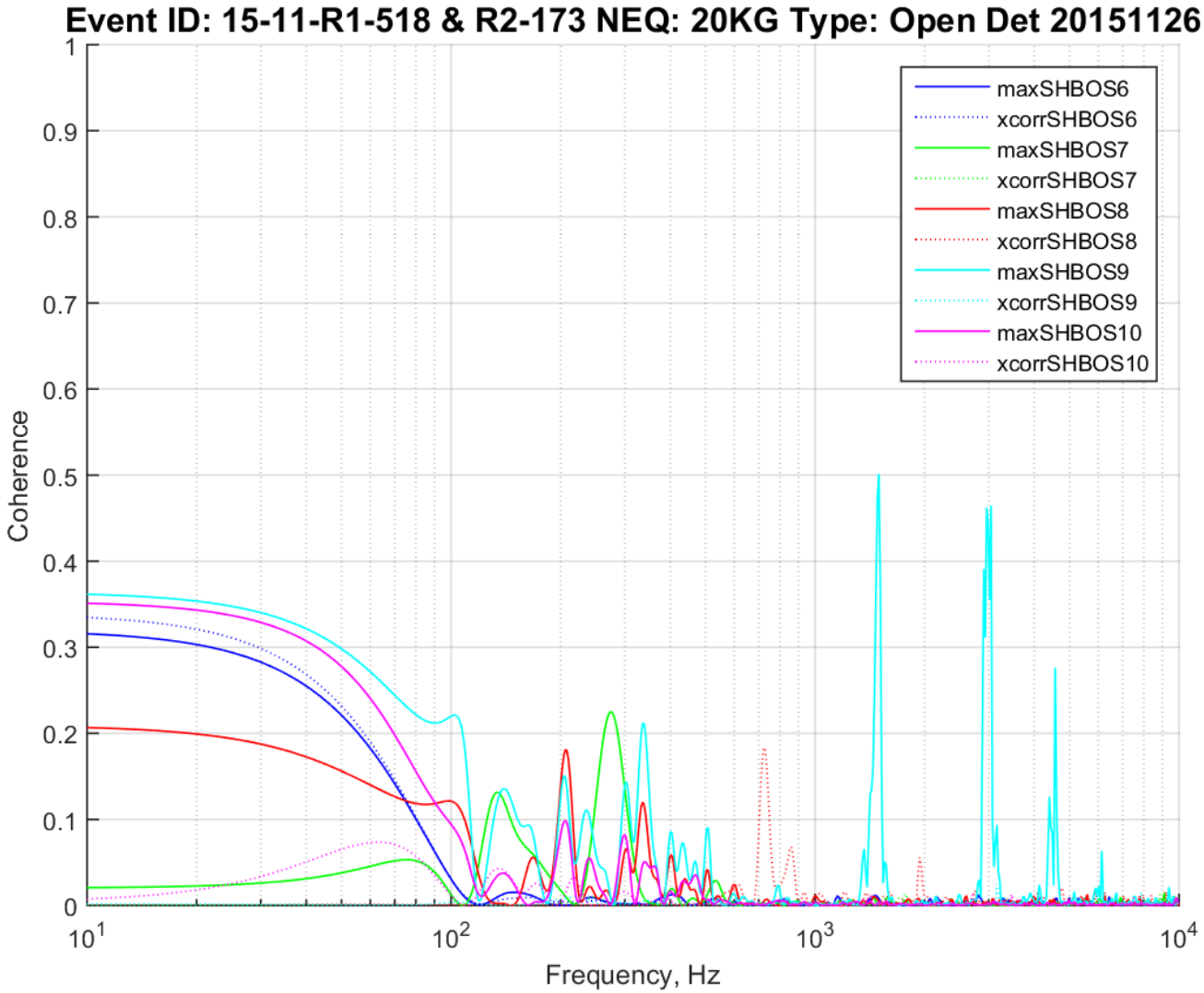


FIGURE 2.1879: COHERENCE SHB_OS 6 - 10 15-11-R1-518 & R2-173CTD

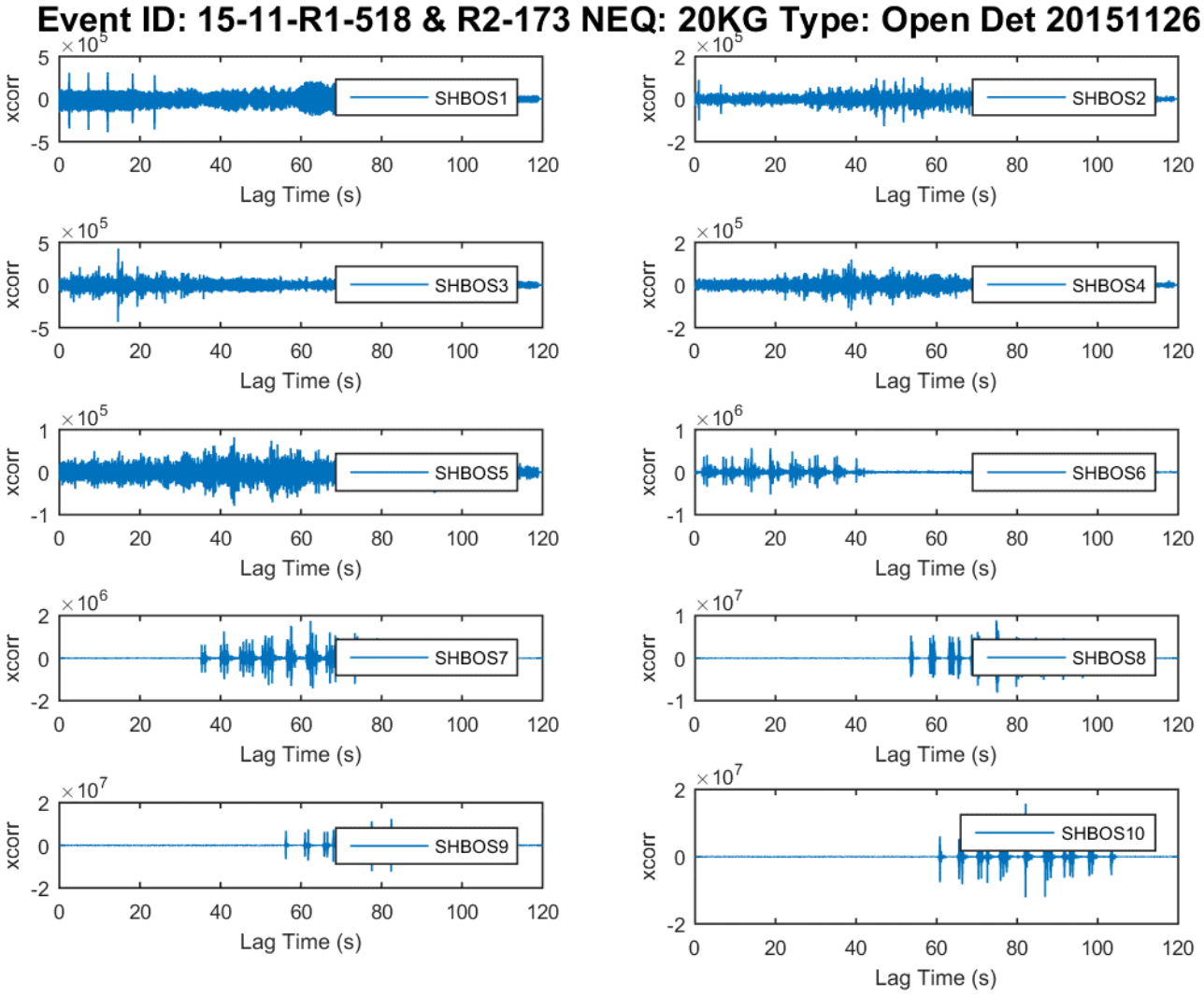


FIGURE 2.1880: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-518 & R2-173

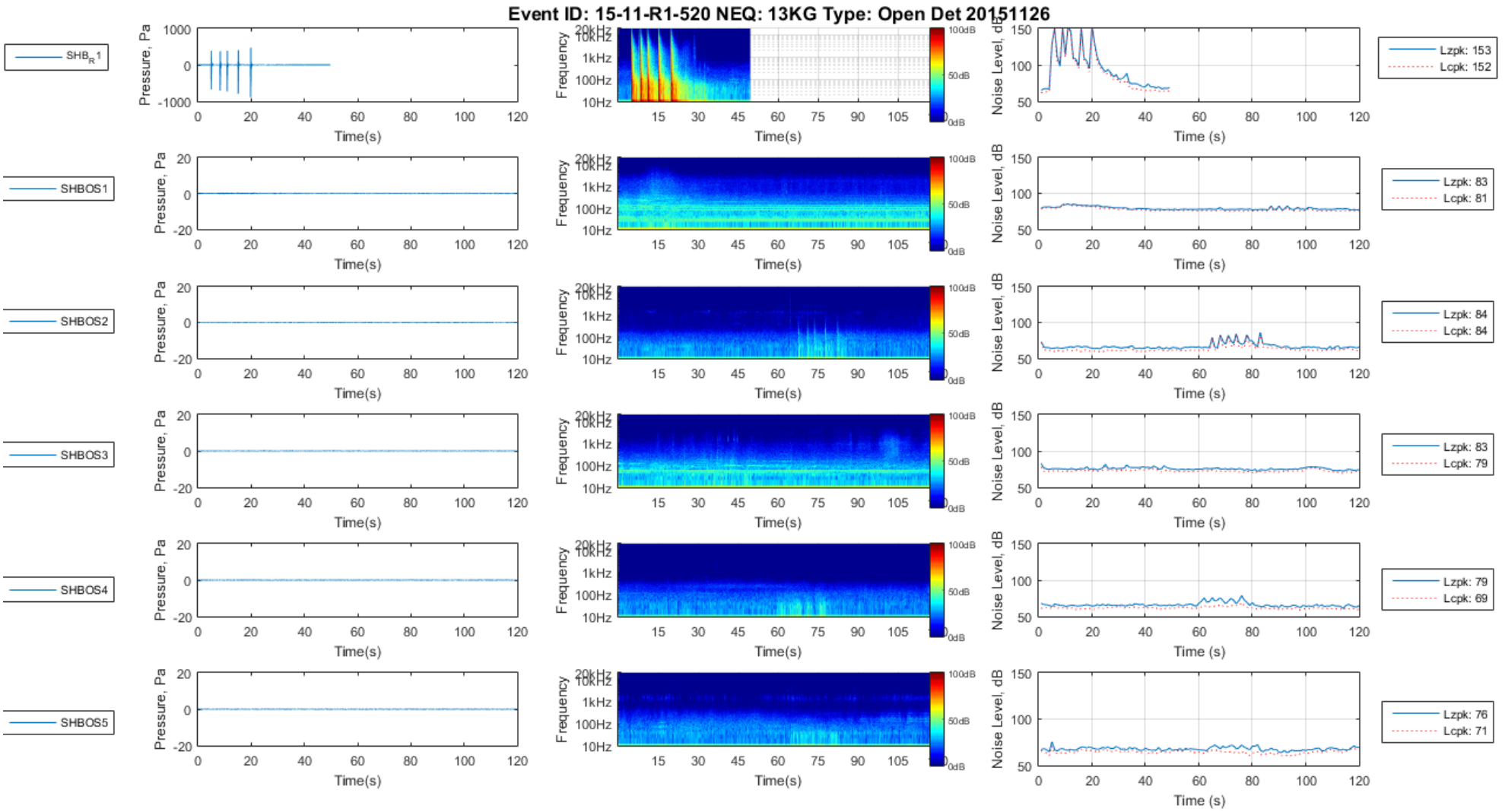


FIGURE 2.1881: SHB_OS 1 - 5 15-11-R1-520

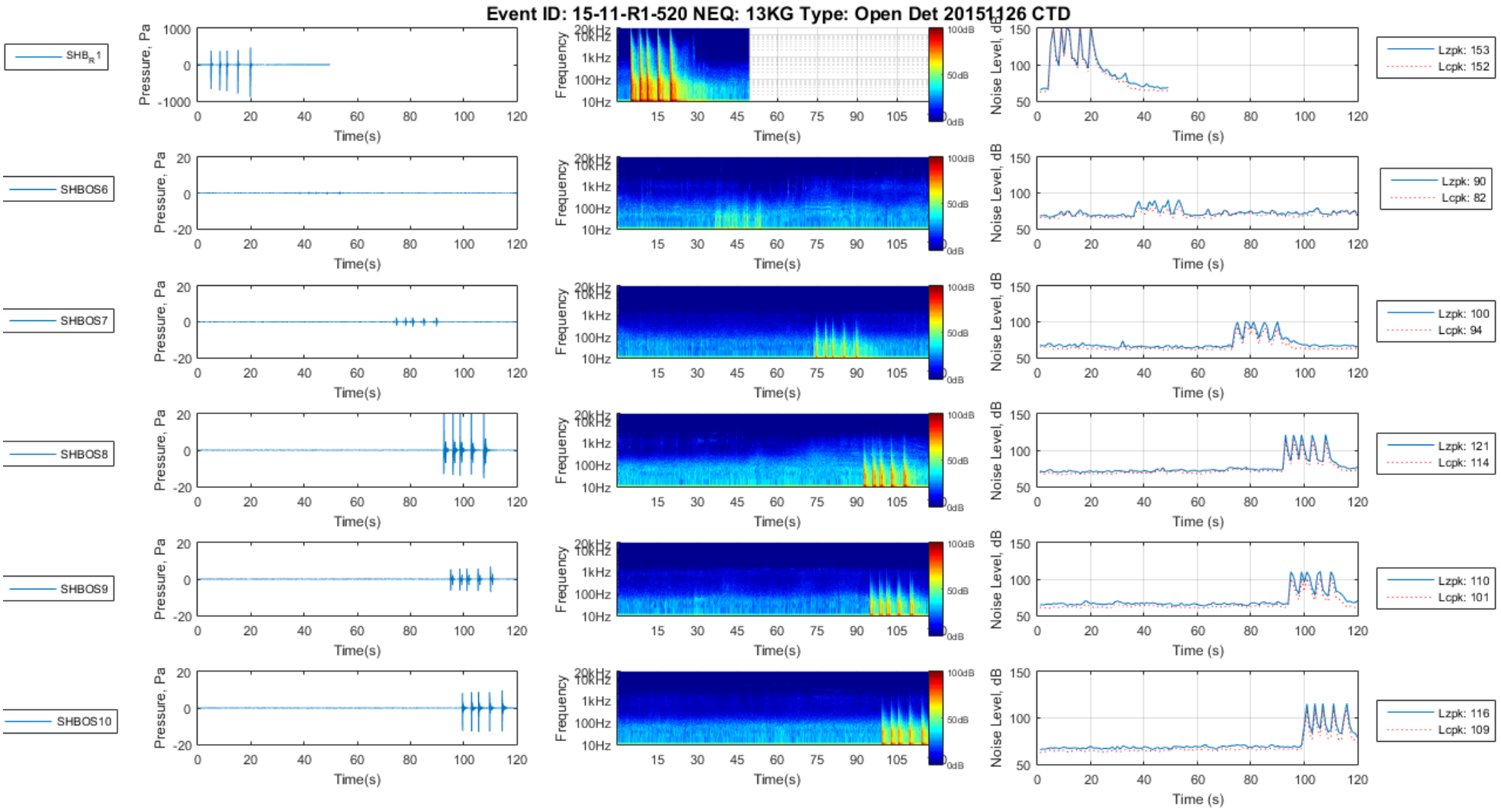


FIGURE 2.1882: SHB_OS 6 - 10 15-11-R1-520

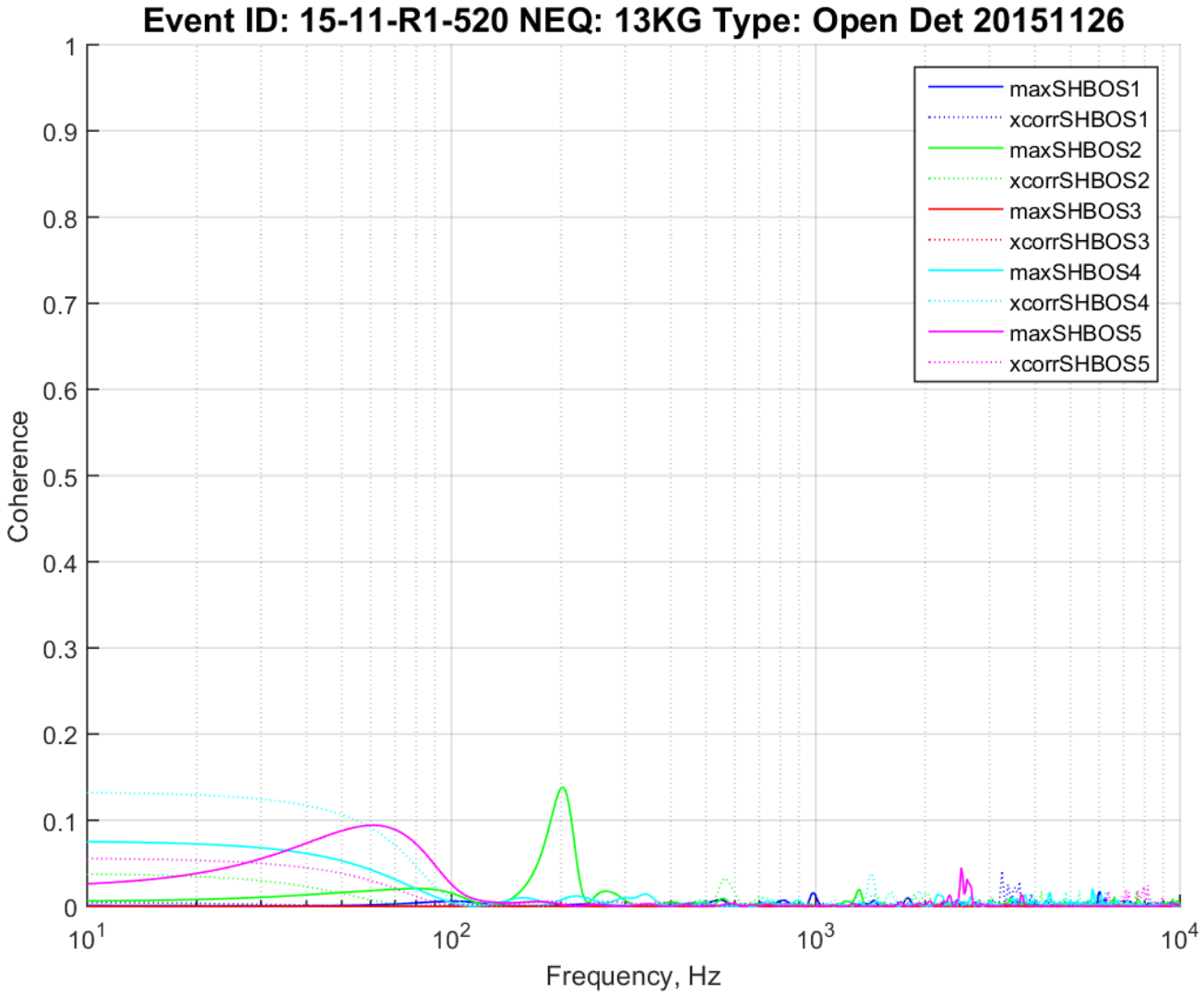


FIGURE 2.1883: COHERENCE SHB_OS 1 - 5 15-11-R1-520

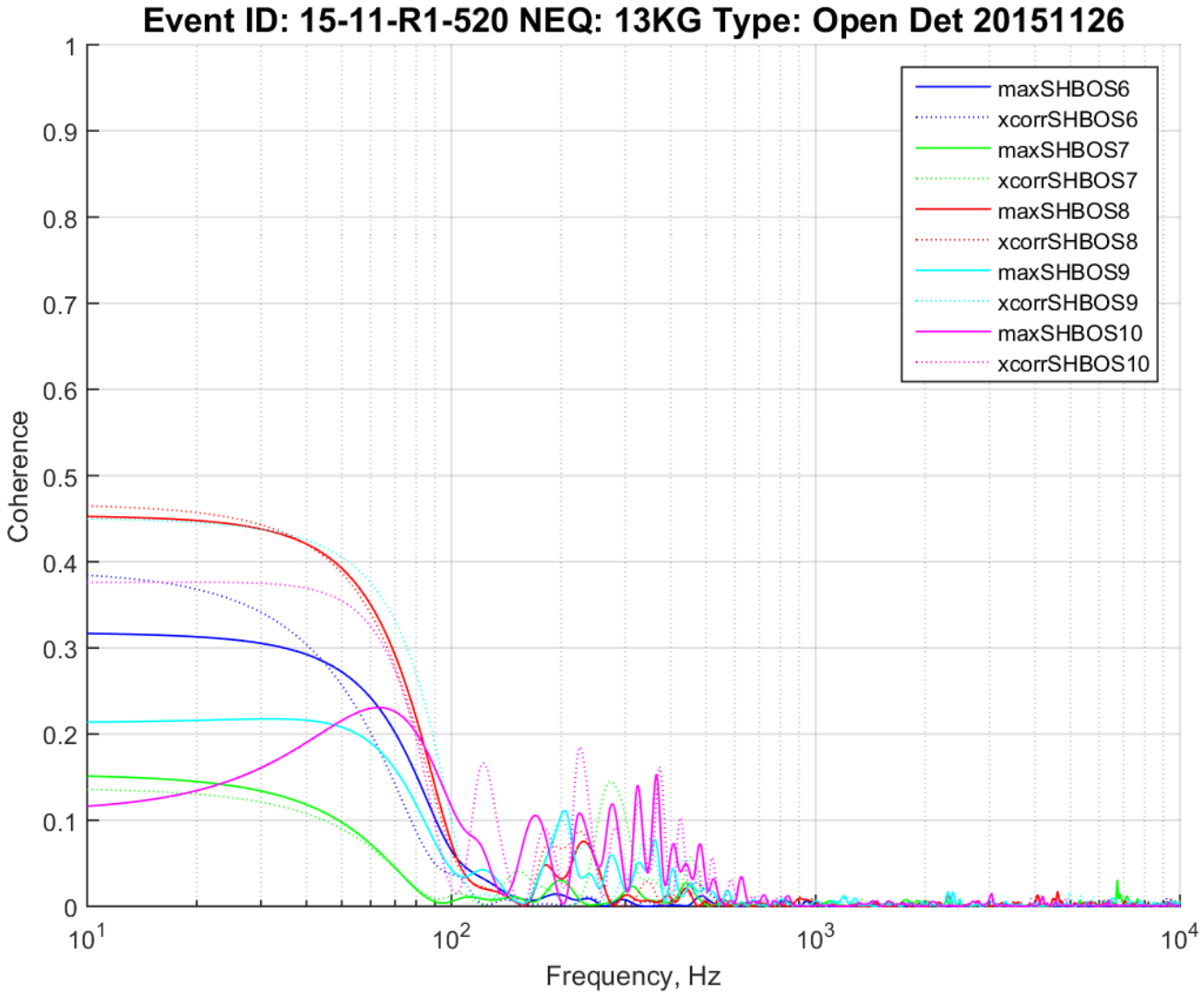


FIGURE 2.1884: COHERENCE SHB_OS 6 - 10 15-11-R1-520CTD

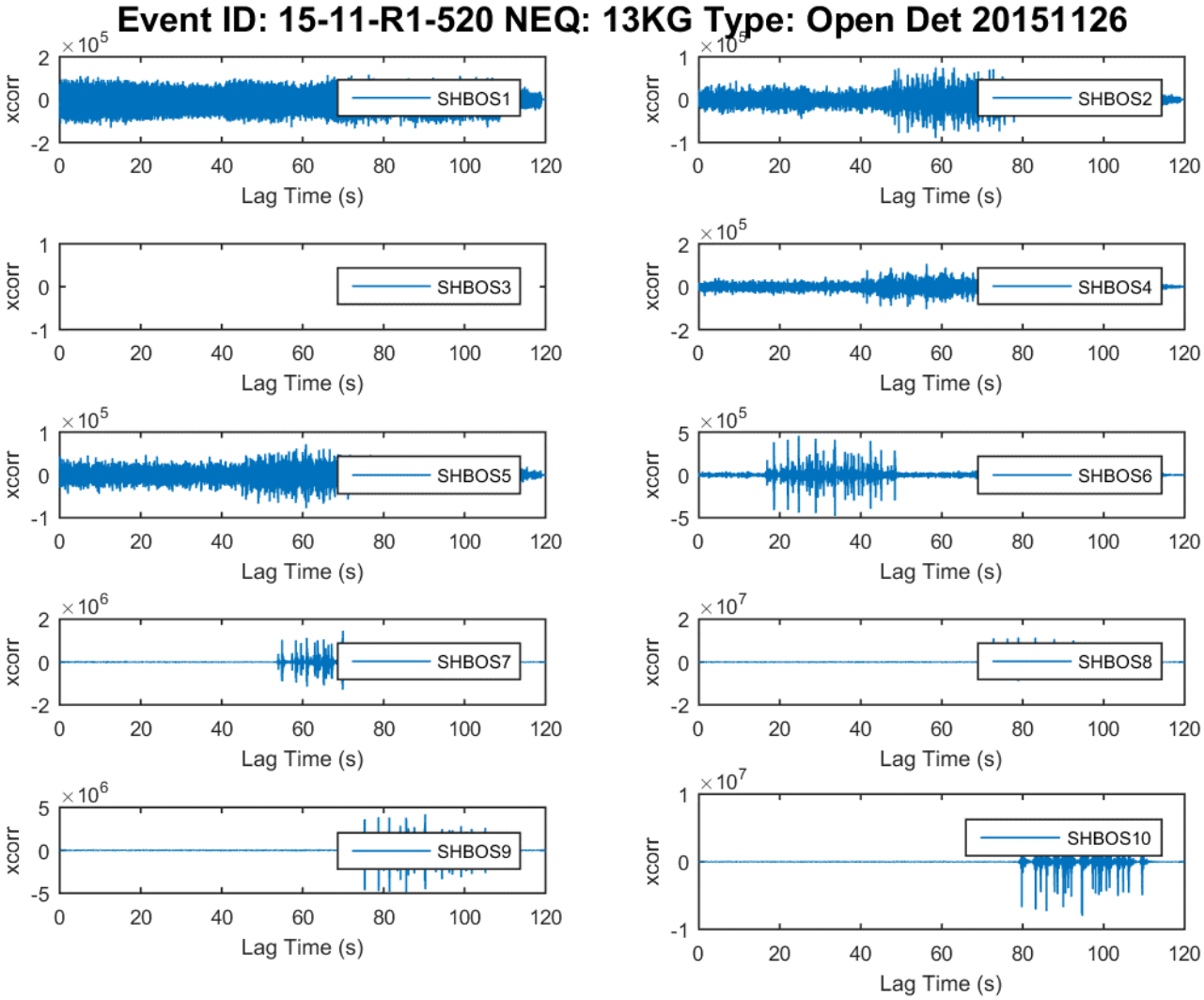


FIGURE 2.1885: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-520

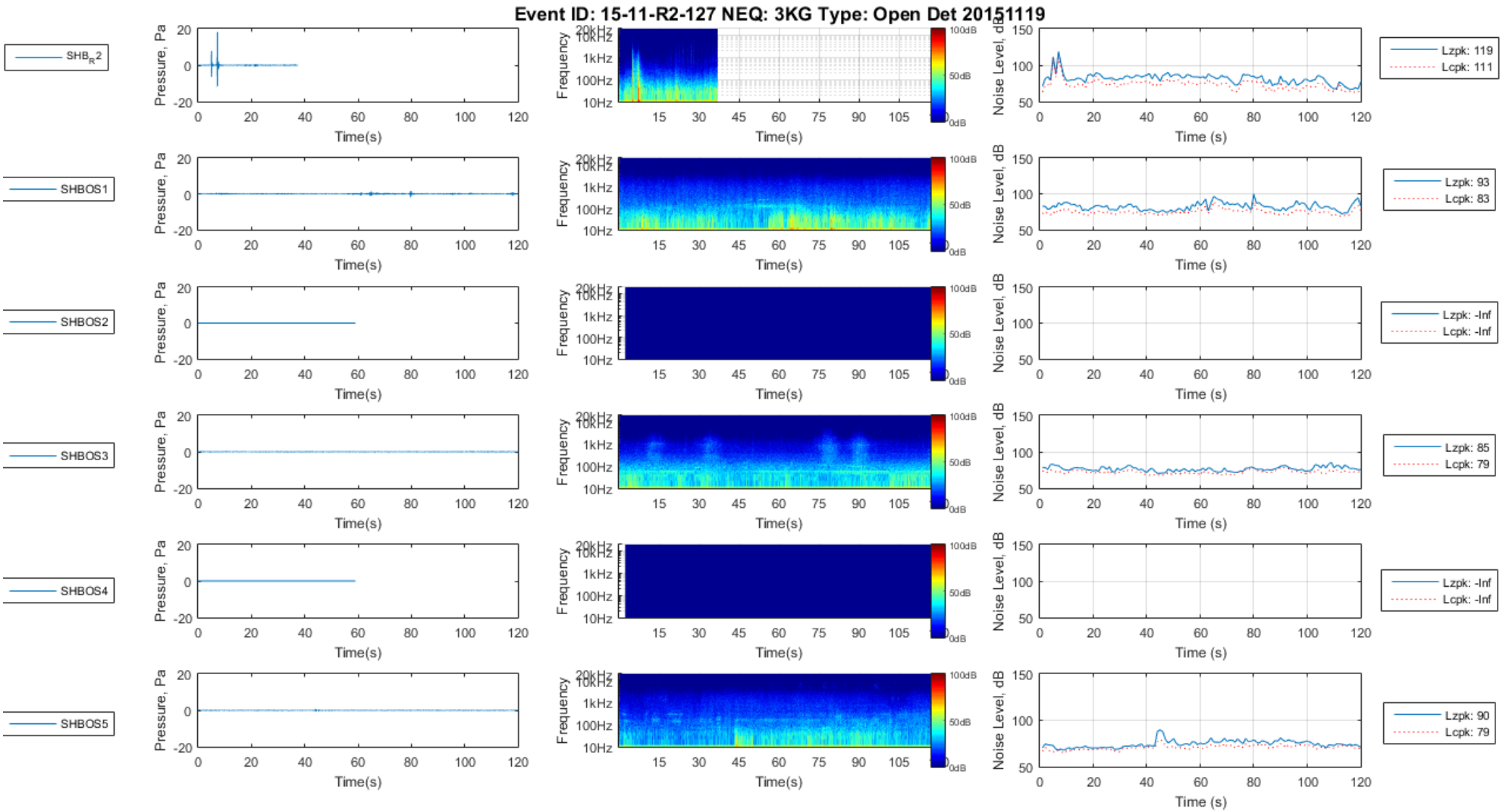


FIGURE 2.1886: SHB_OS 1 - 5 15-11-R2-127

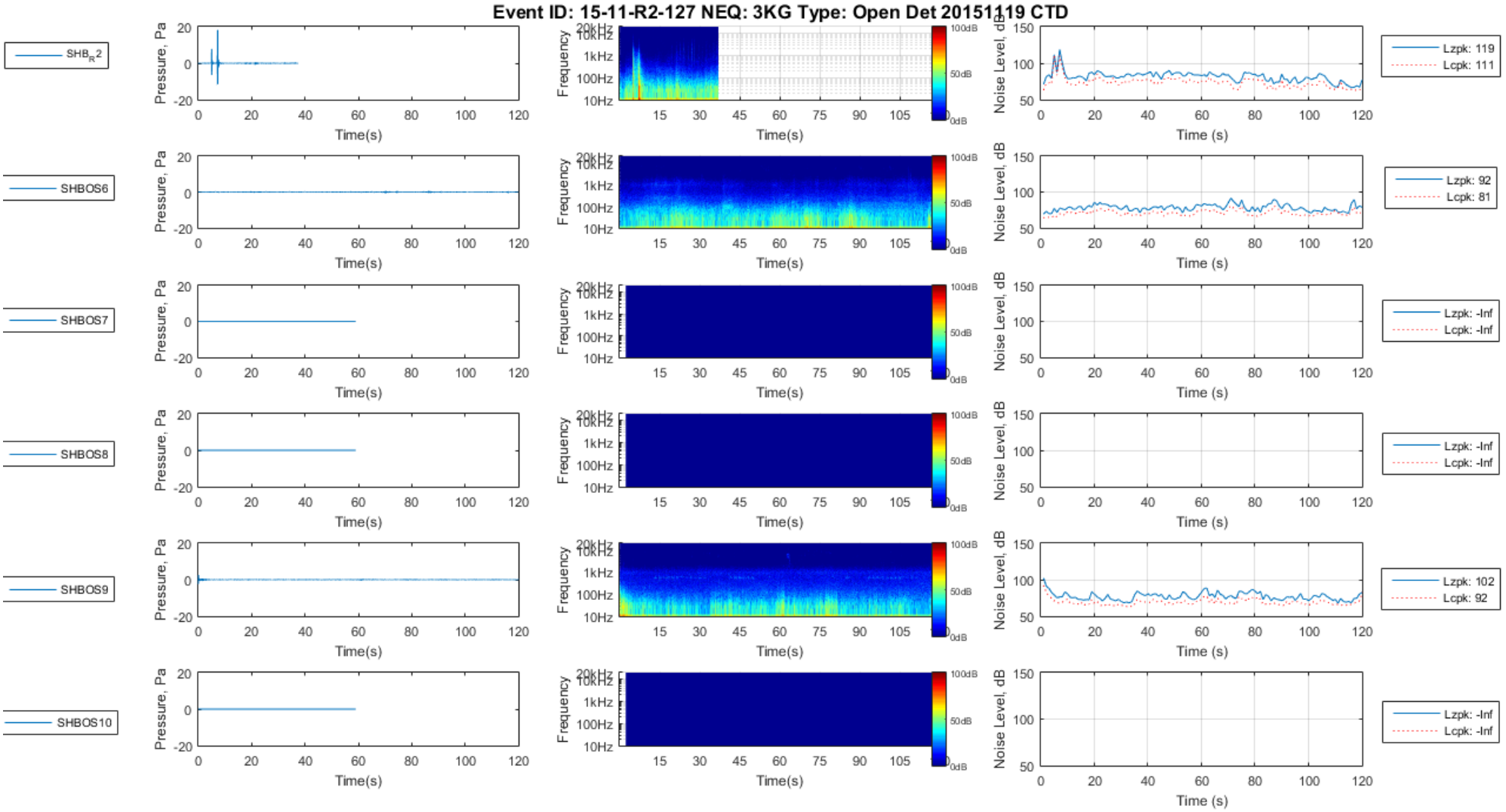


FIGURE 2.1887: SHB_OS 6 - 10 15-11-R2-127

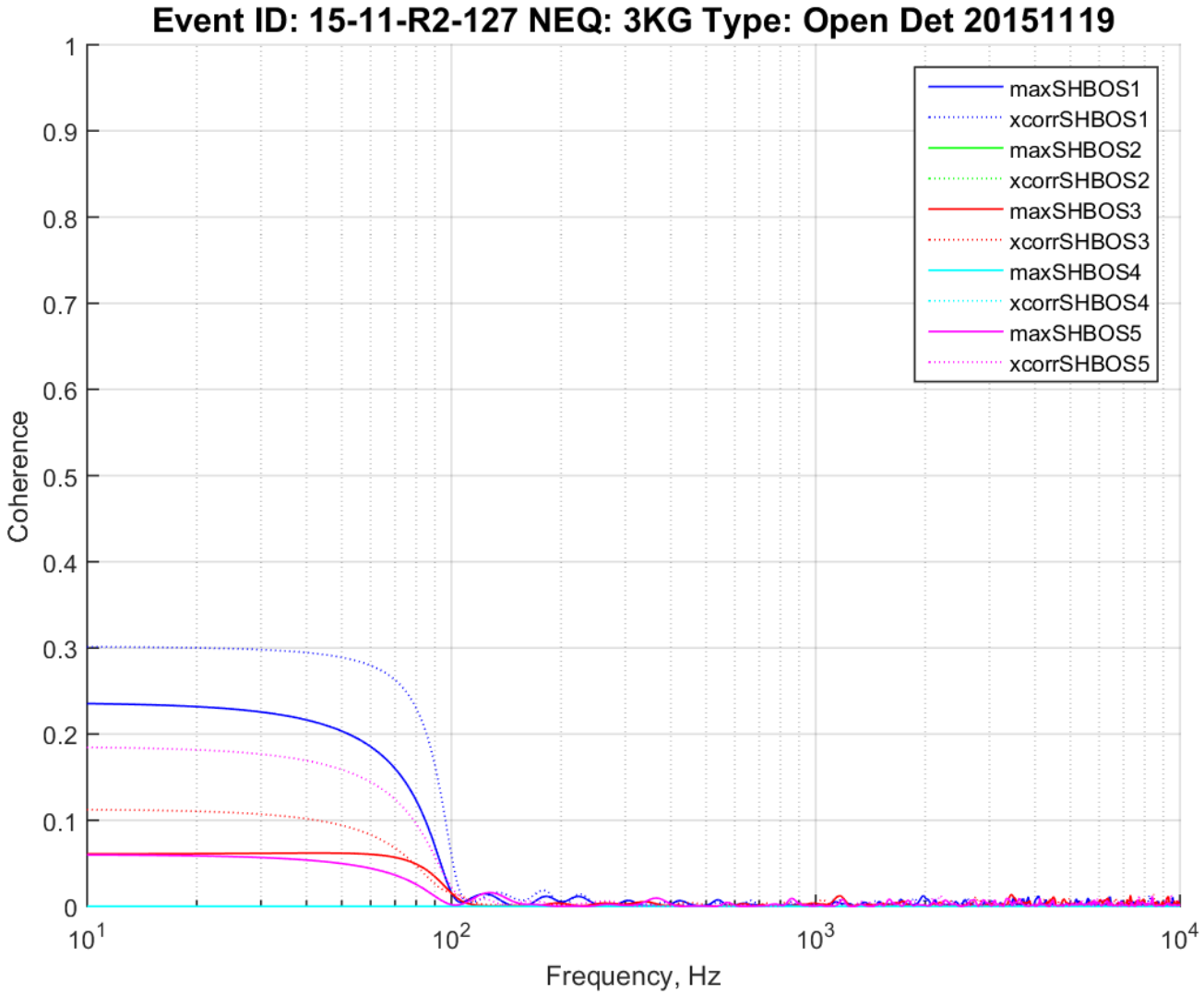


FIGURE 2.1888: COHERENCE SHB_OS 1 - 5 15-11-R2-127

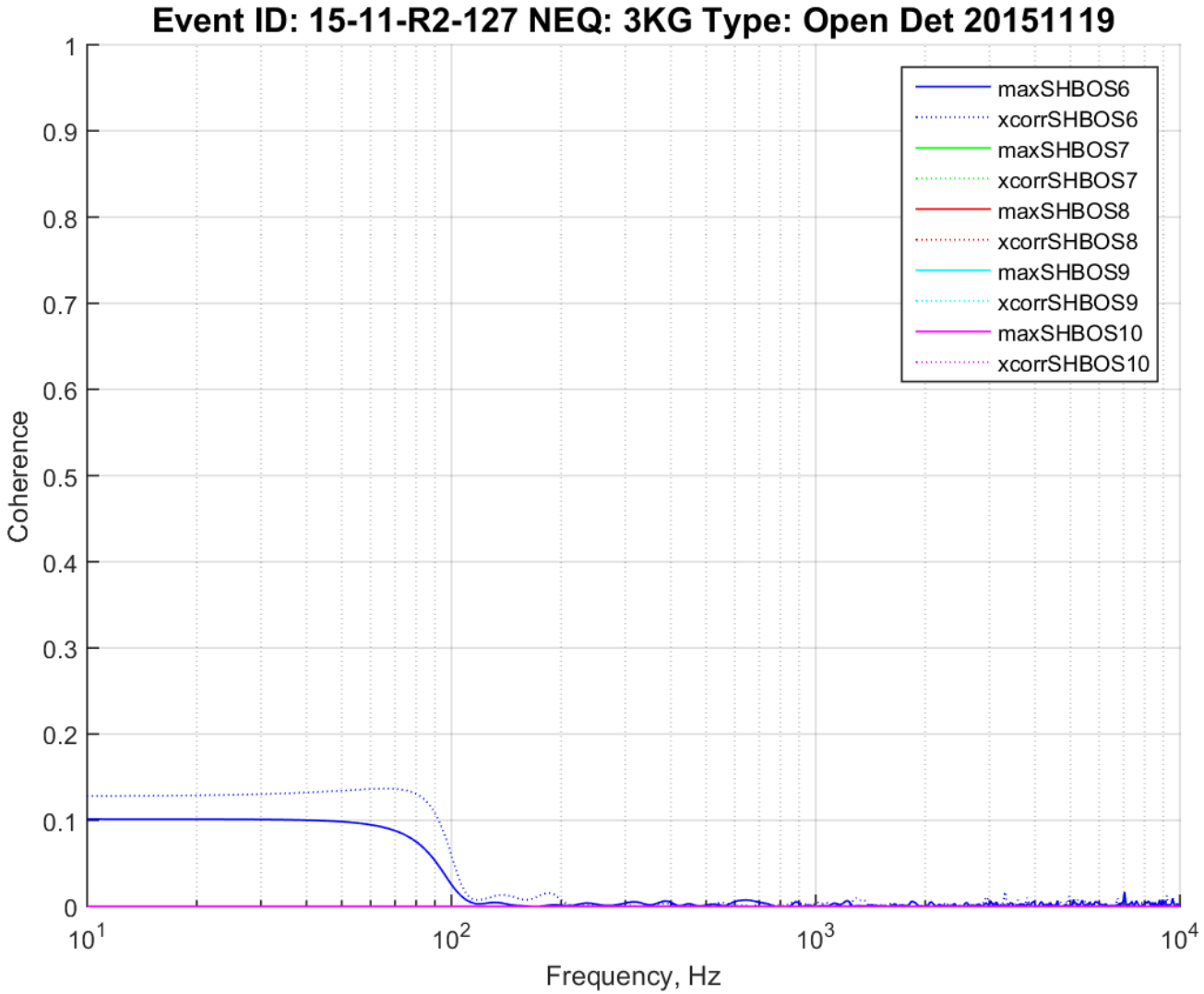


FIGURE 2.1889: COHERENCE SHB_OS 6 - 10 15-11-R2-127CTD

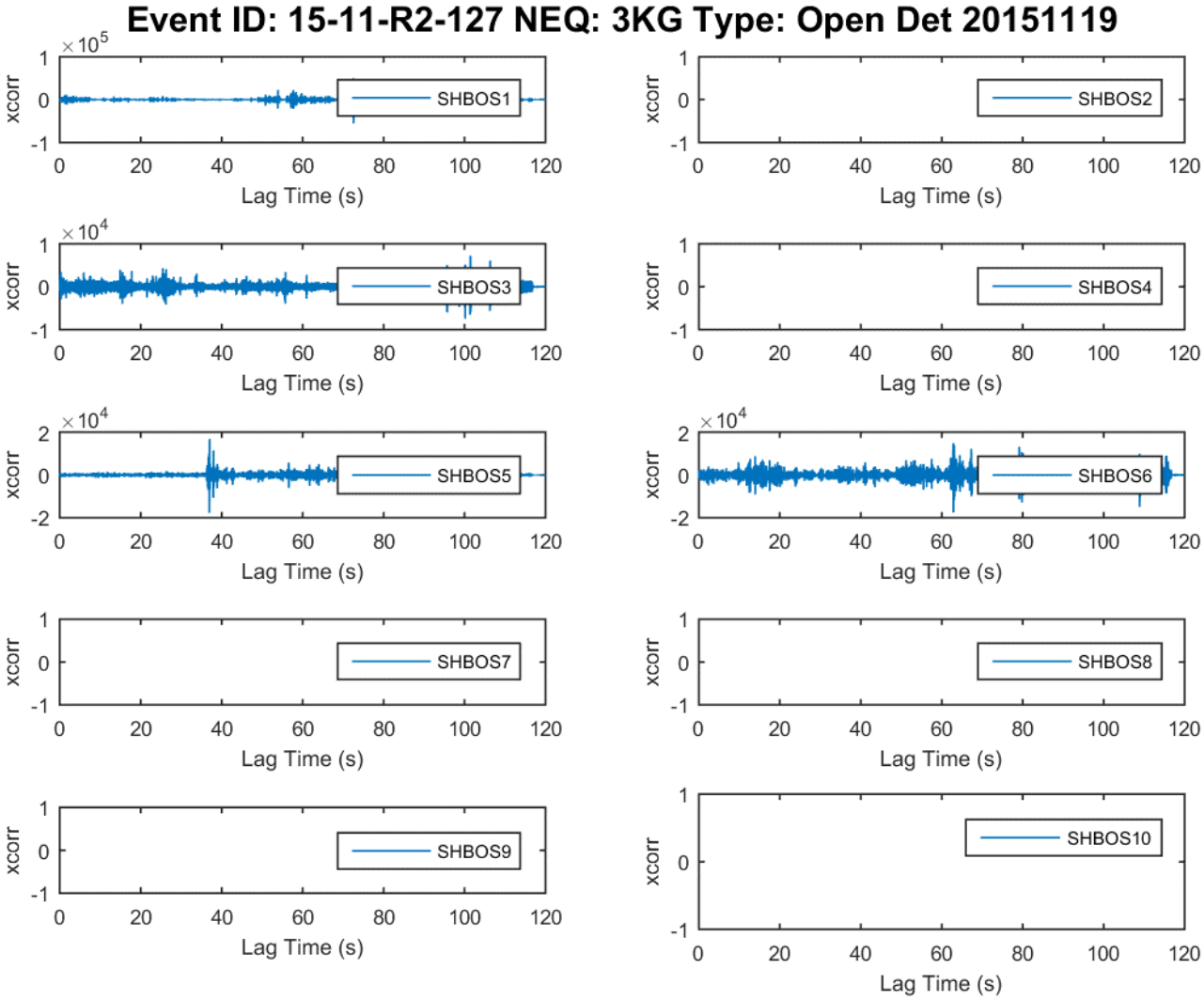


FIGURE 2.1890: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-127

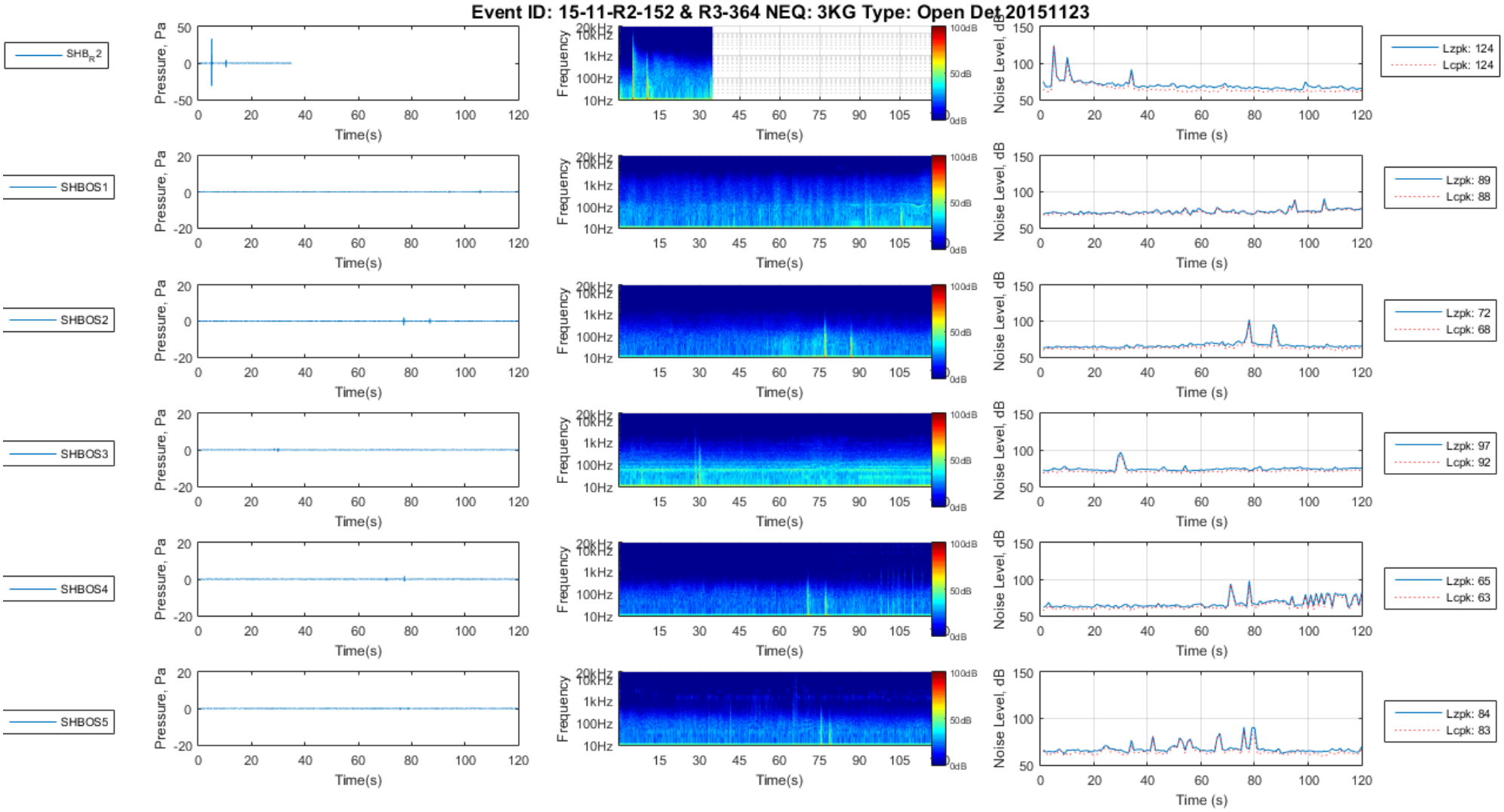


FIGURE 2.1891: SHB_OS 1 - 5 15-11-R2-152 & R3-364

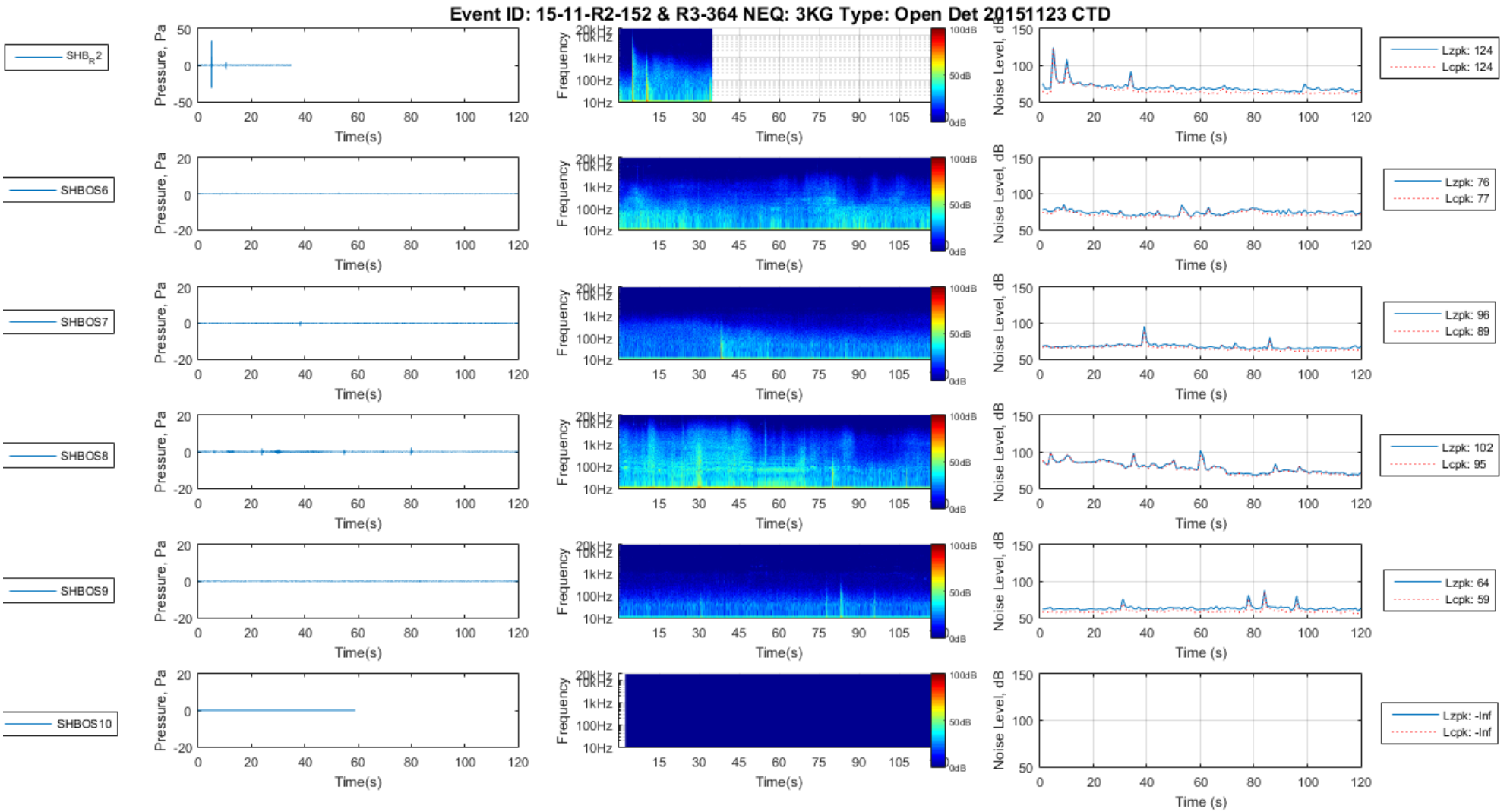


FIGURE 2.1892: SHB_OS 6 - 10 15-11-R2-152 & R3-364

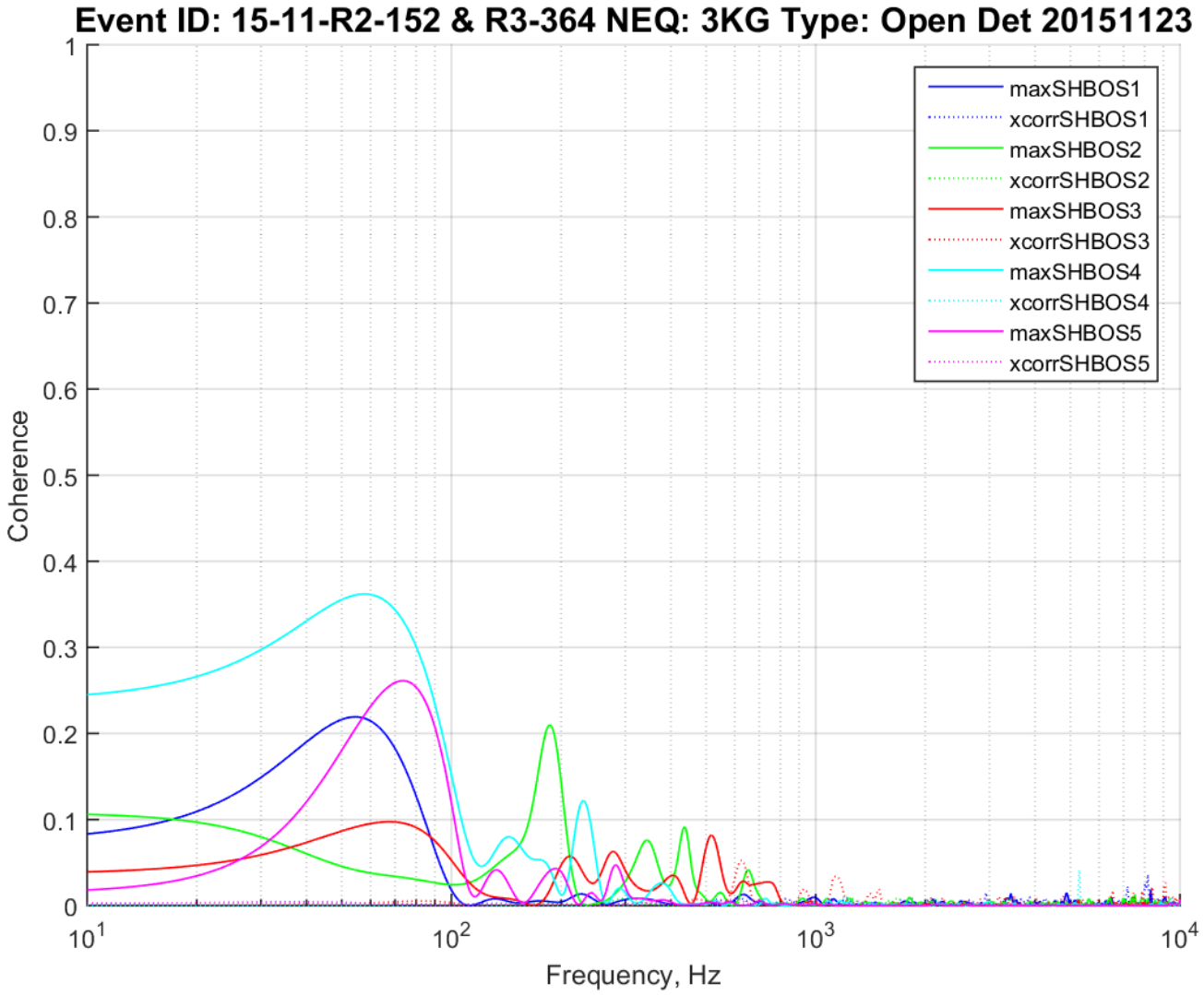


FIGURE 2.1893: COHERENCE SHB_OS 1 - 5 15-11-R2-152 & R3-364

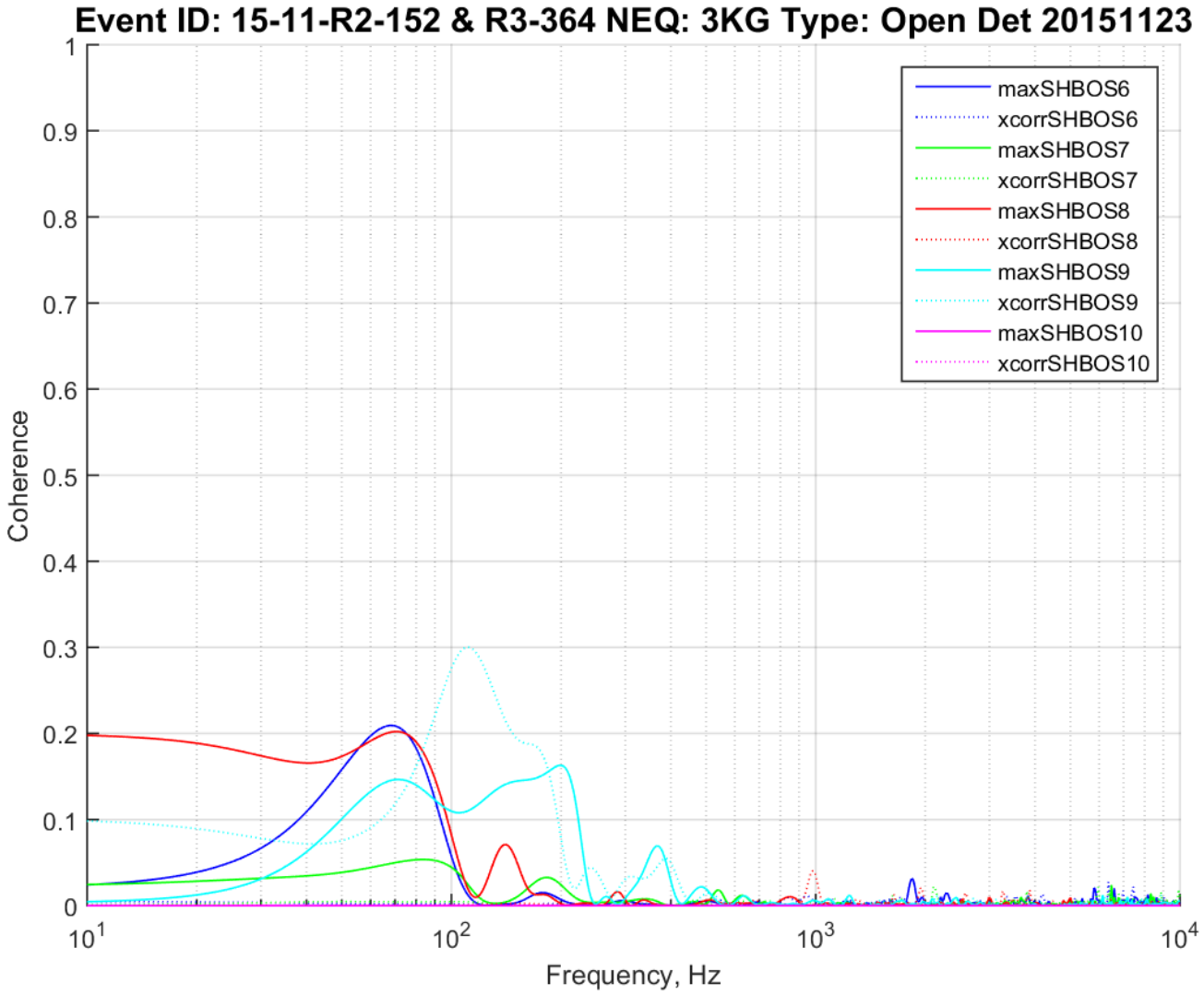


FIGURE 2.1894: COHERENCE SHB_OS 6 - 10 15-11-R2-152 & R3-364CTD

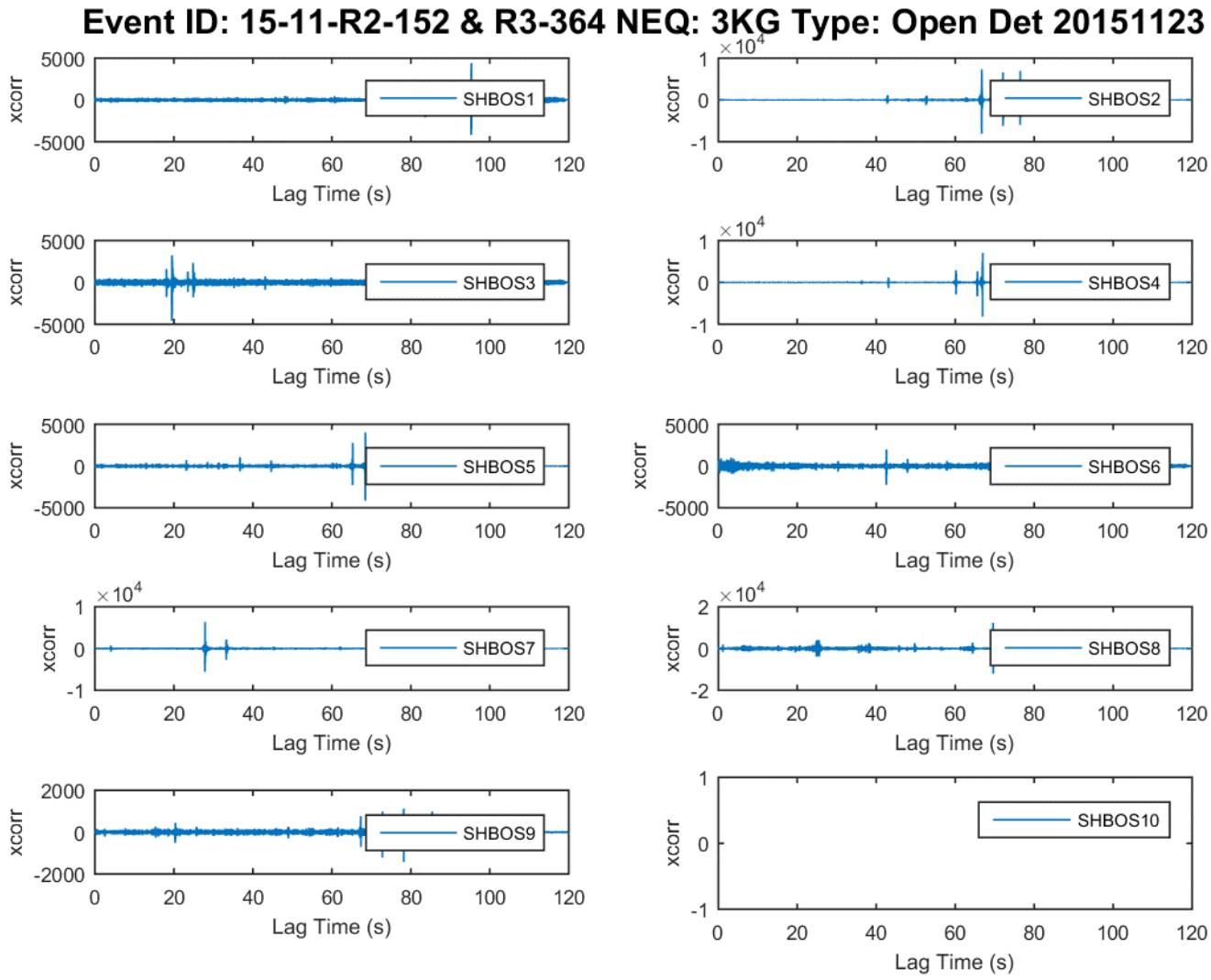


FIGURE 2.1895: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-152 & R3-364

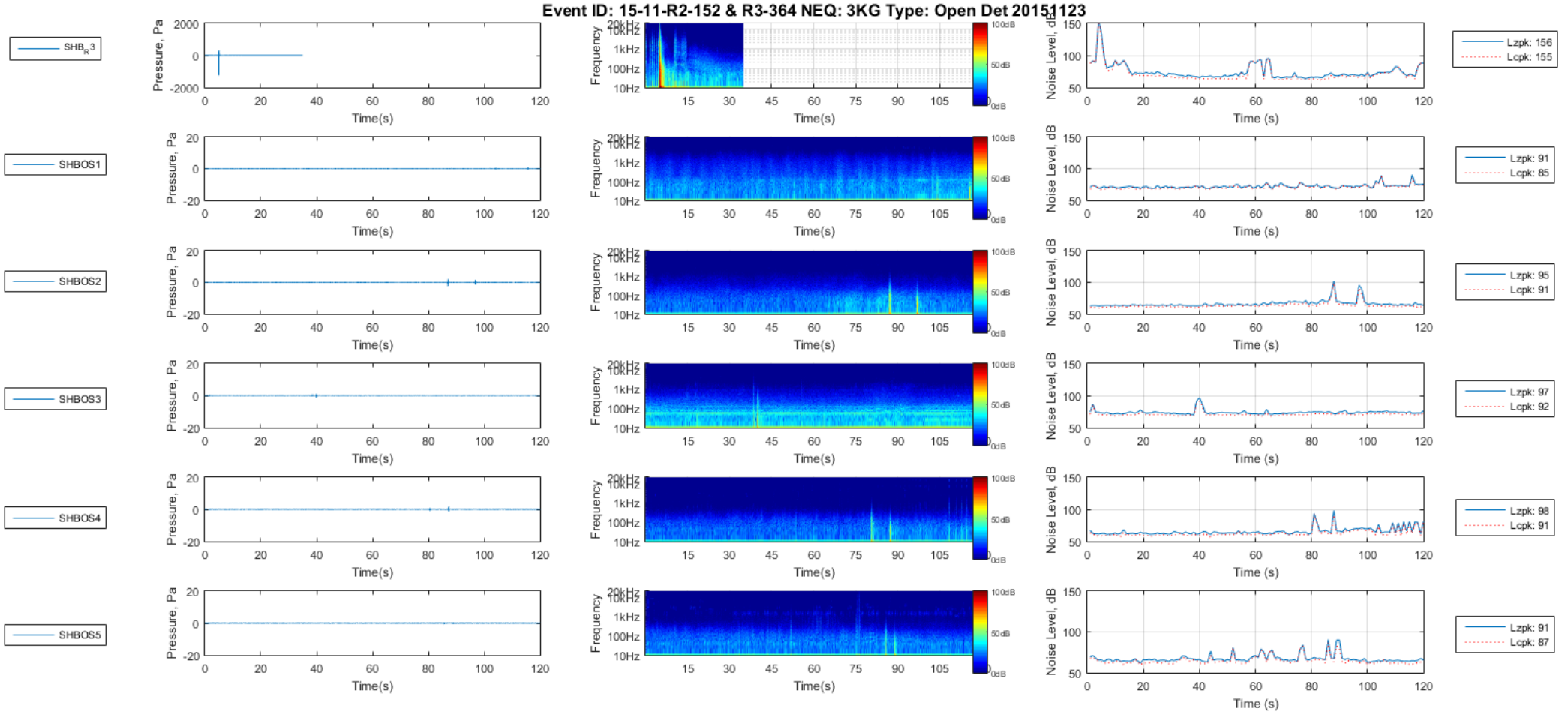


FIGURE 2.1896: SHB_OS 1 - 5 15-11-R2-152 & R3-364

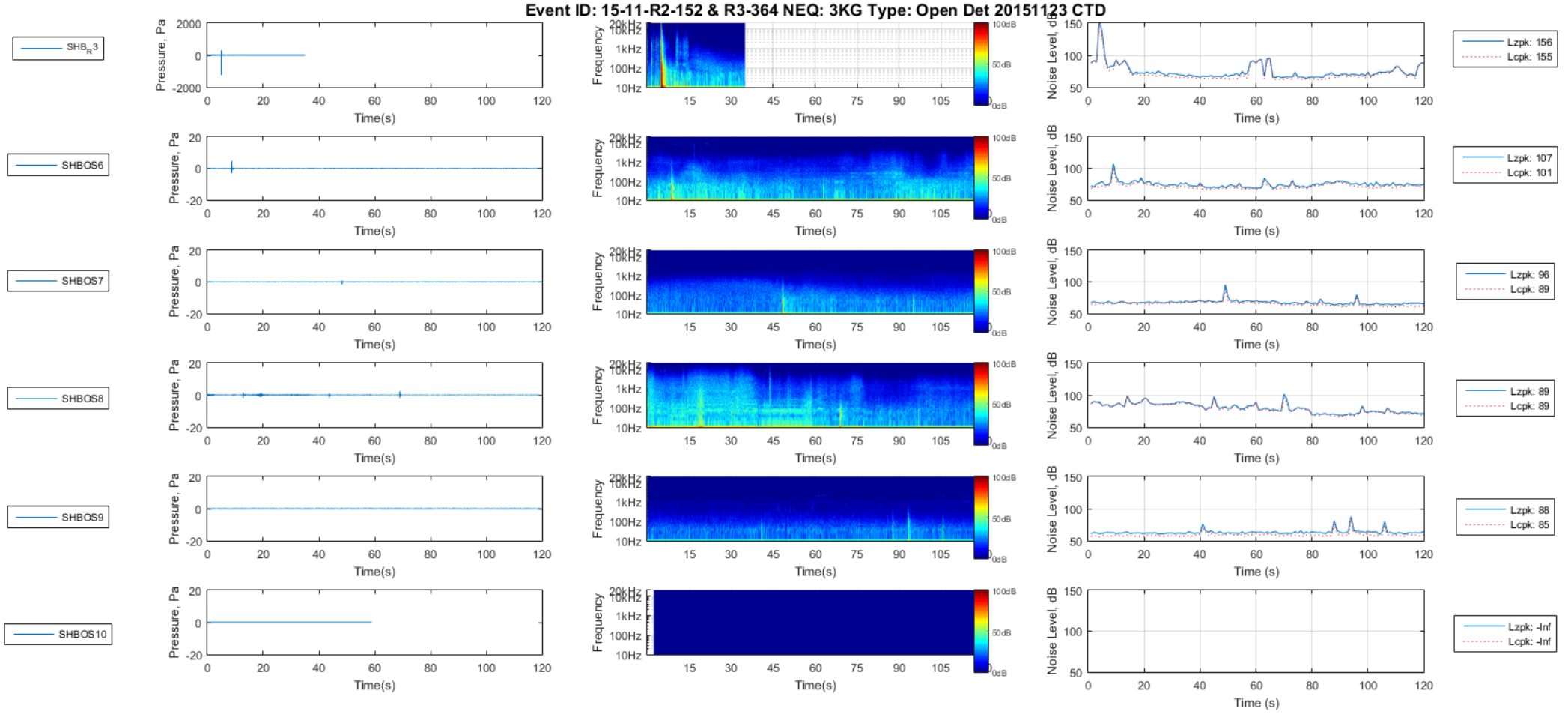


FIGURE 2.1897: SHB_OS 6 - 10 15-11-R2-152 & R3-364

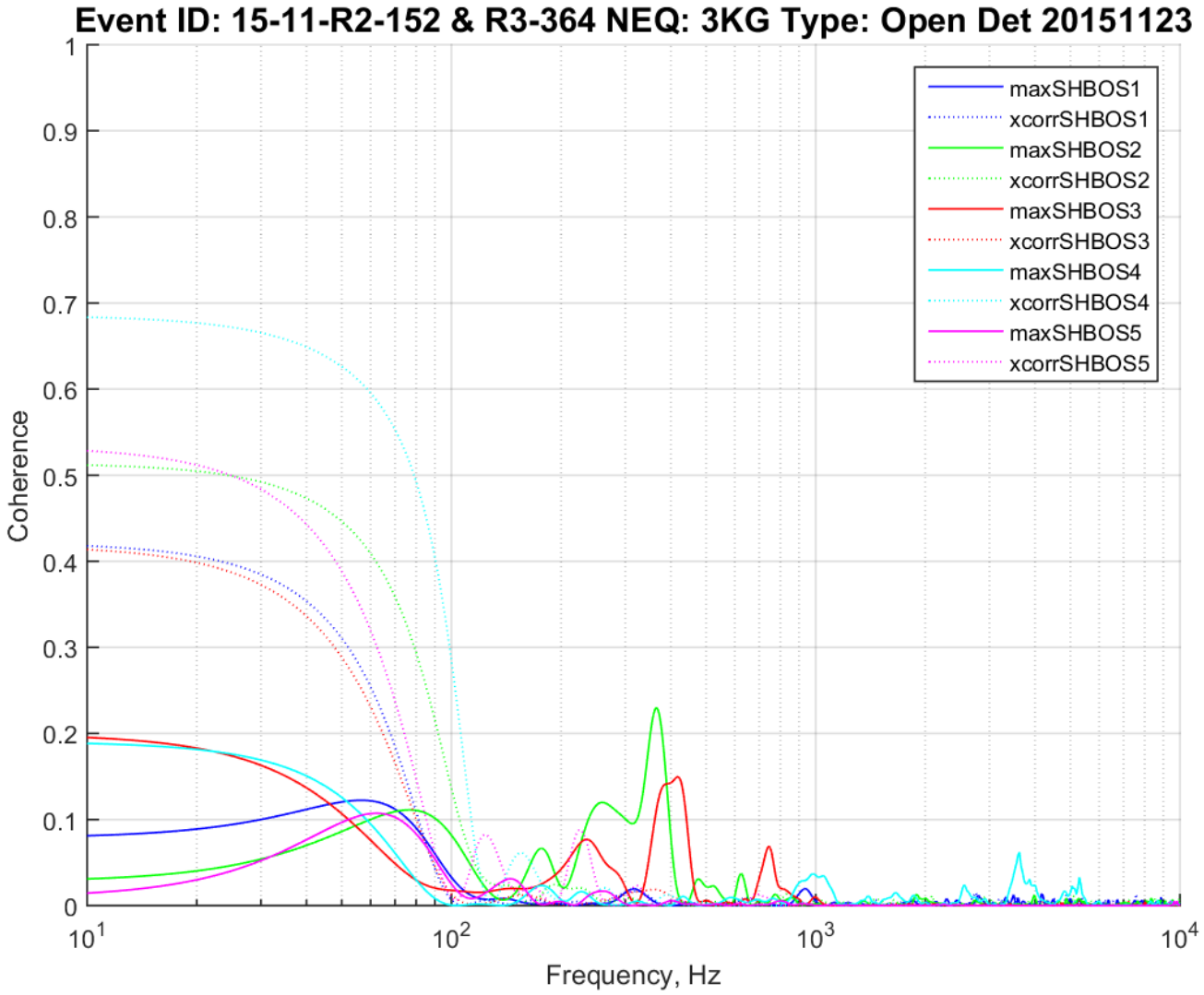


FIGURE 2.1898: COHERENCE SHB_OS 1 - 5 15-11-R2-152 & R3-364

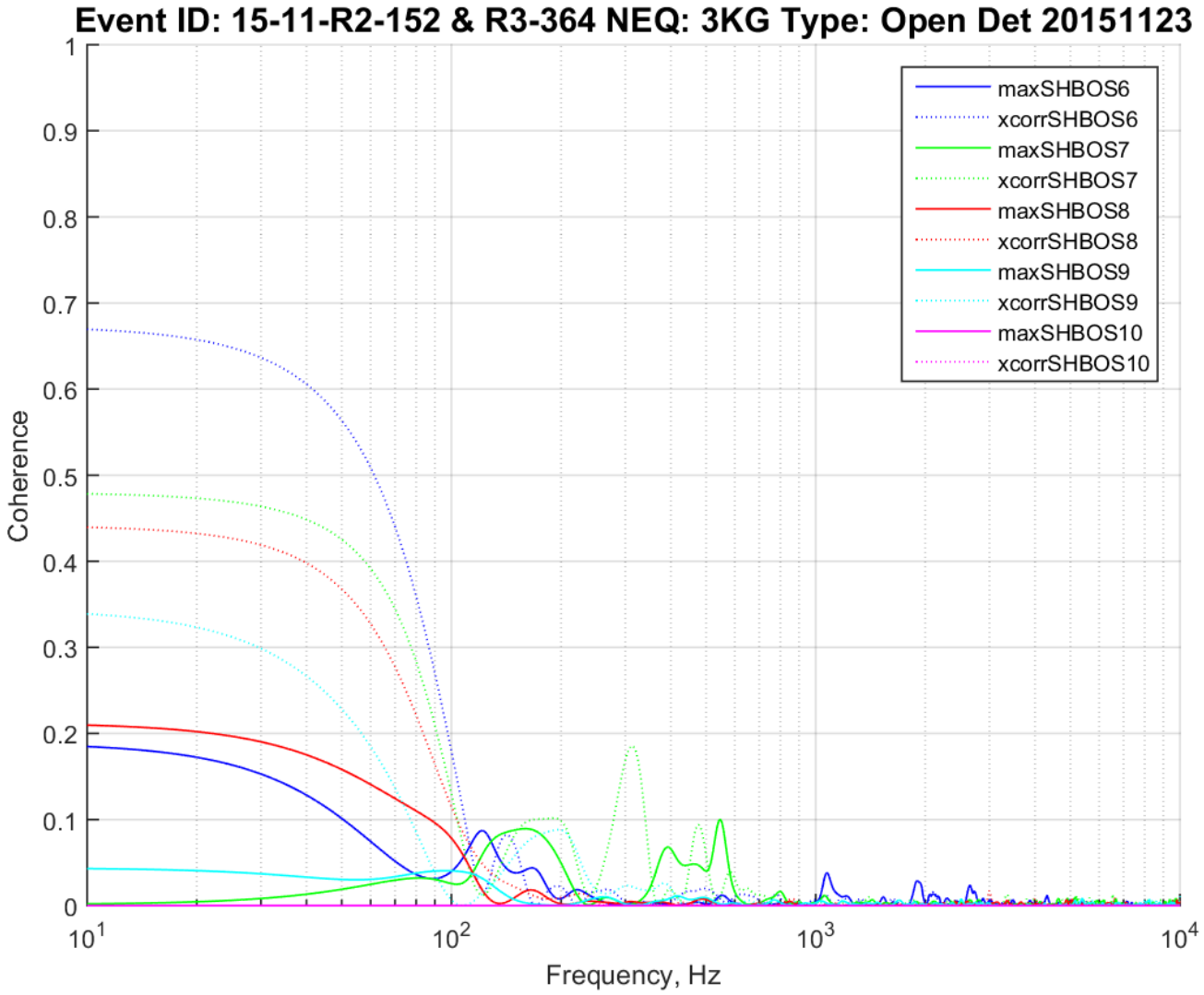


FIGURE 2.1899: COHERENCE SHB_OS 6 - 10 15-11-R2-152 & R3-364CTD

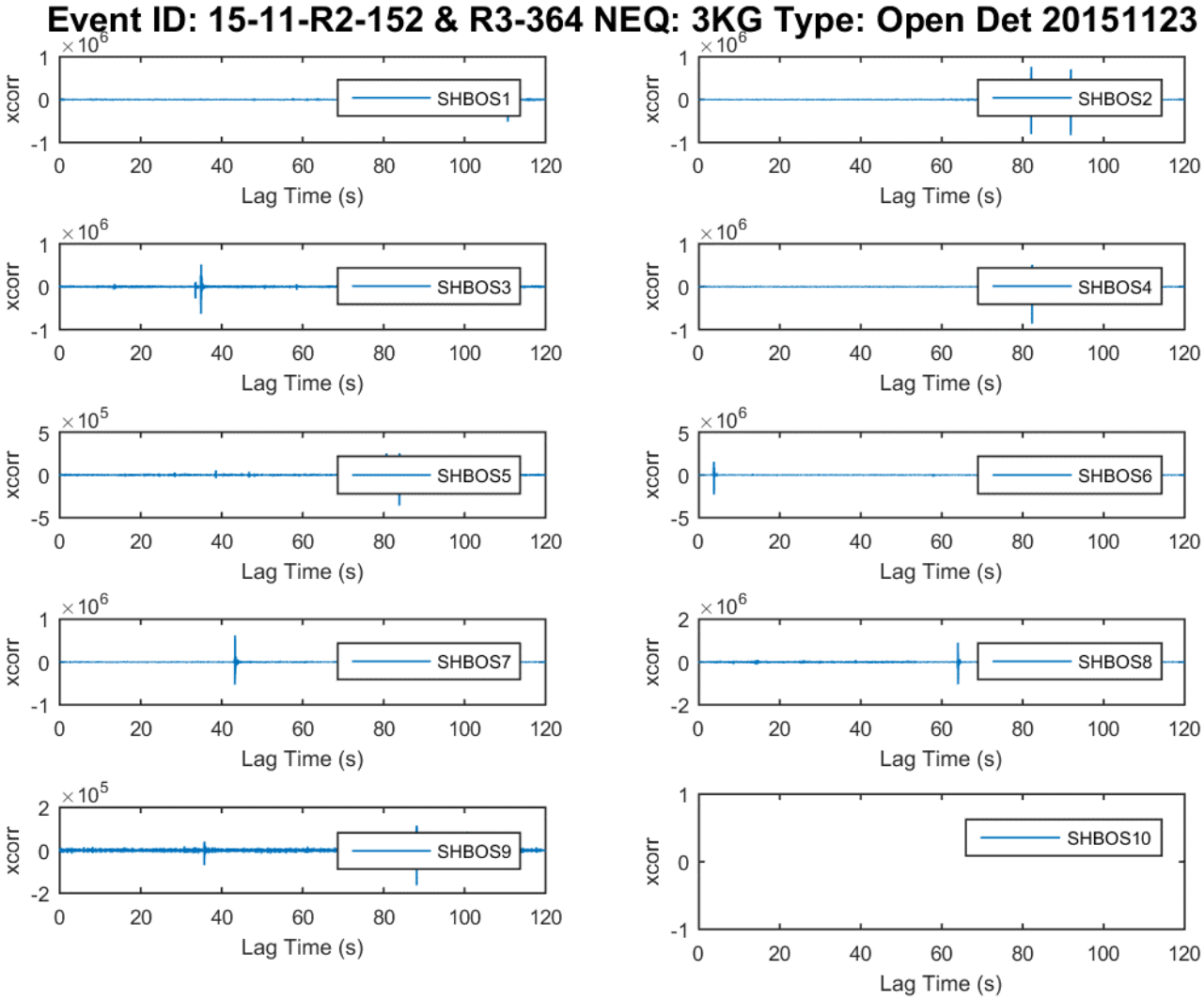


FIGURE 2.1900: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-152 & R3-364

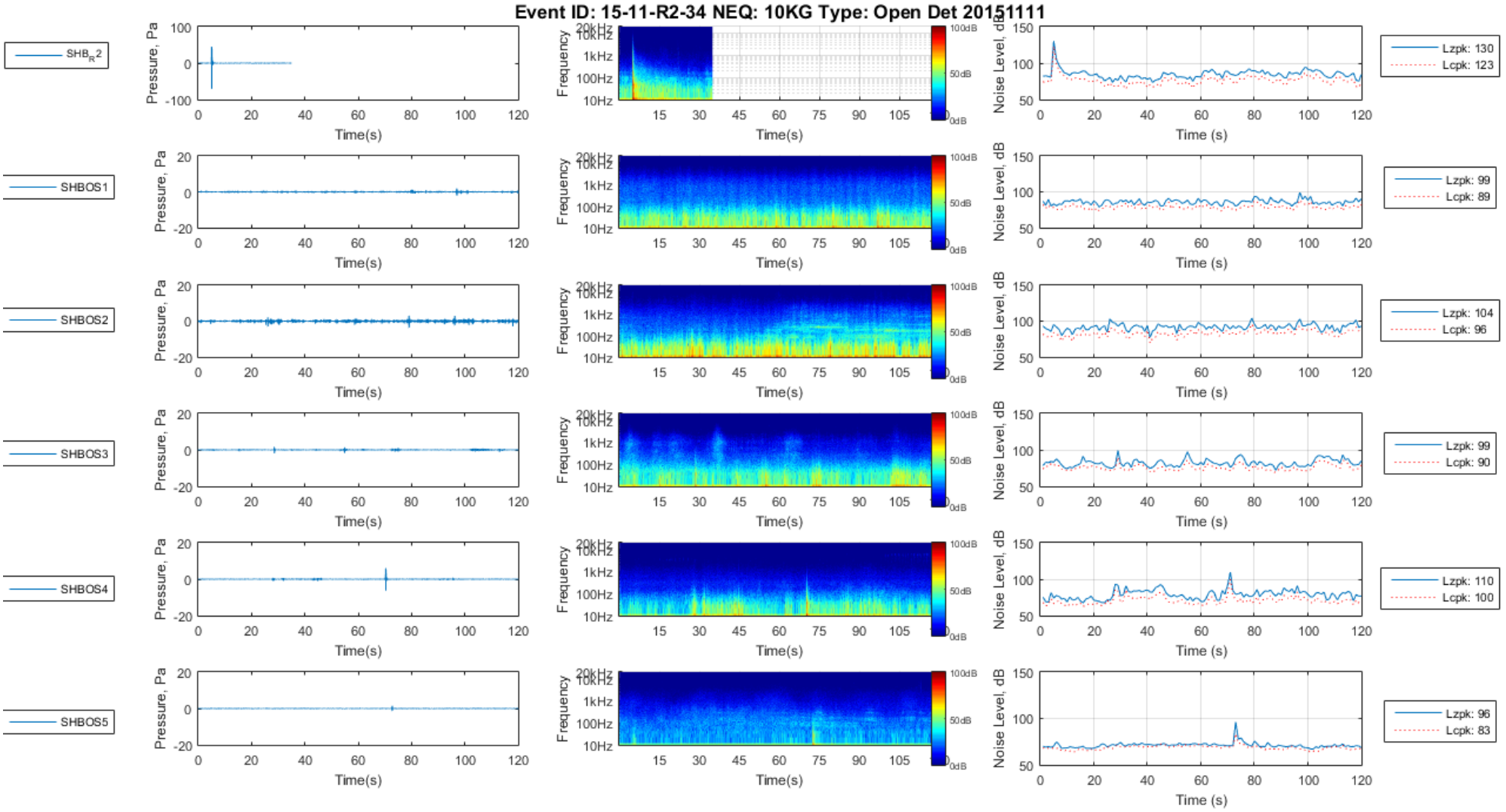


FIGURE 2.1901: SHB_OS 1 - 5 15-11-R2-34

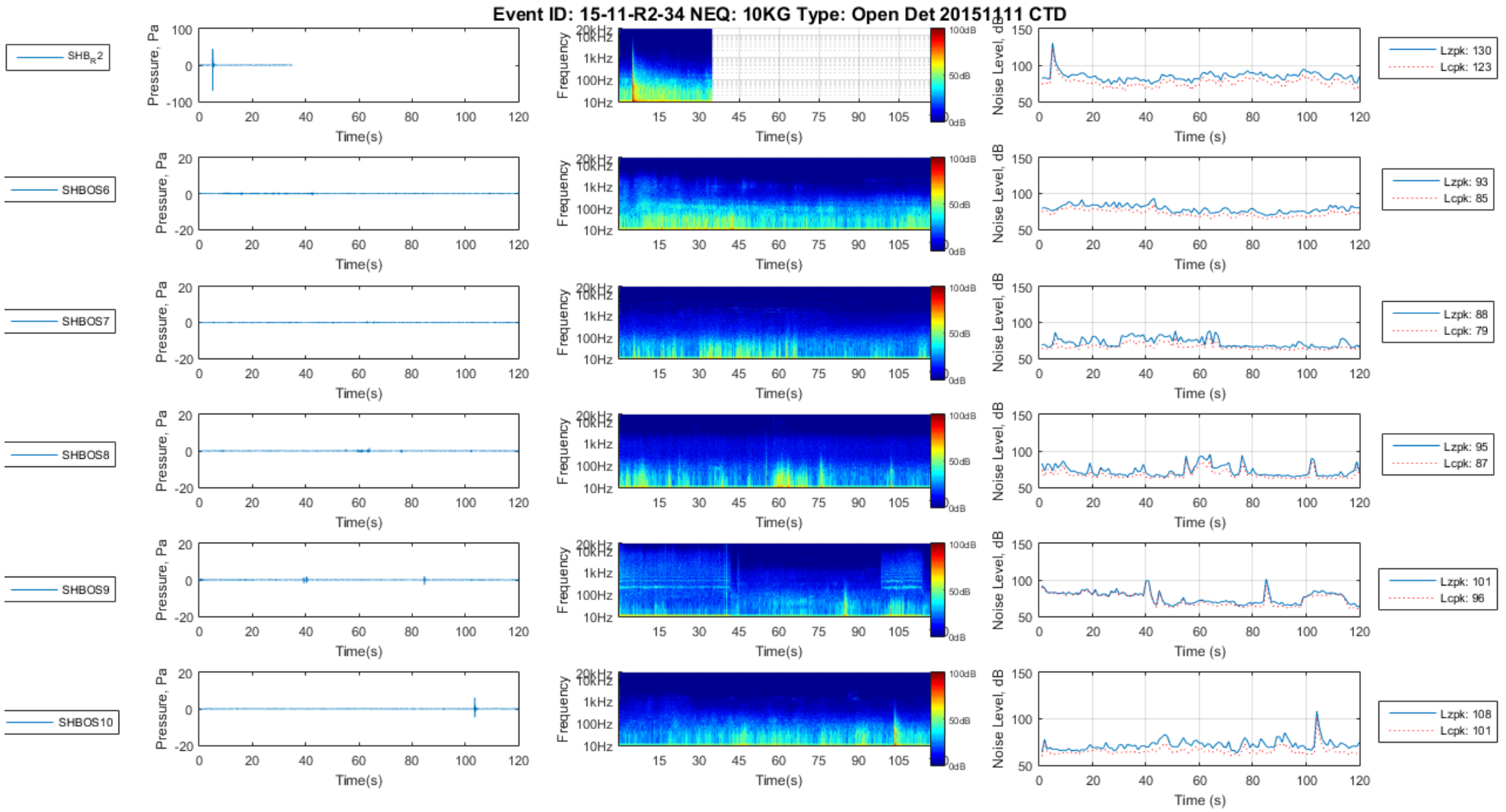


FIGURE 2.1902: SHB_OS 6 - 10 15-11-R2-34

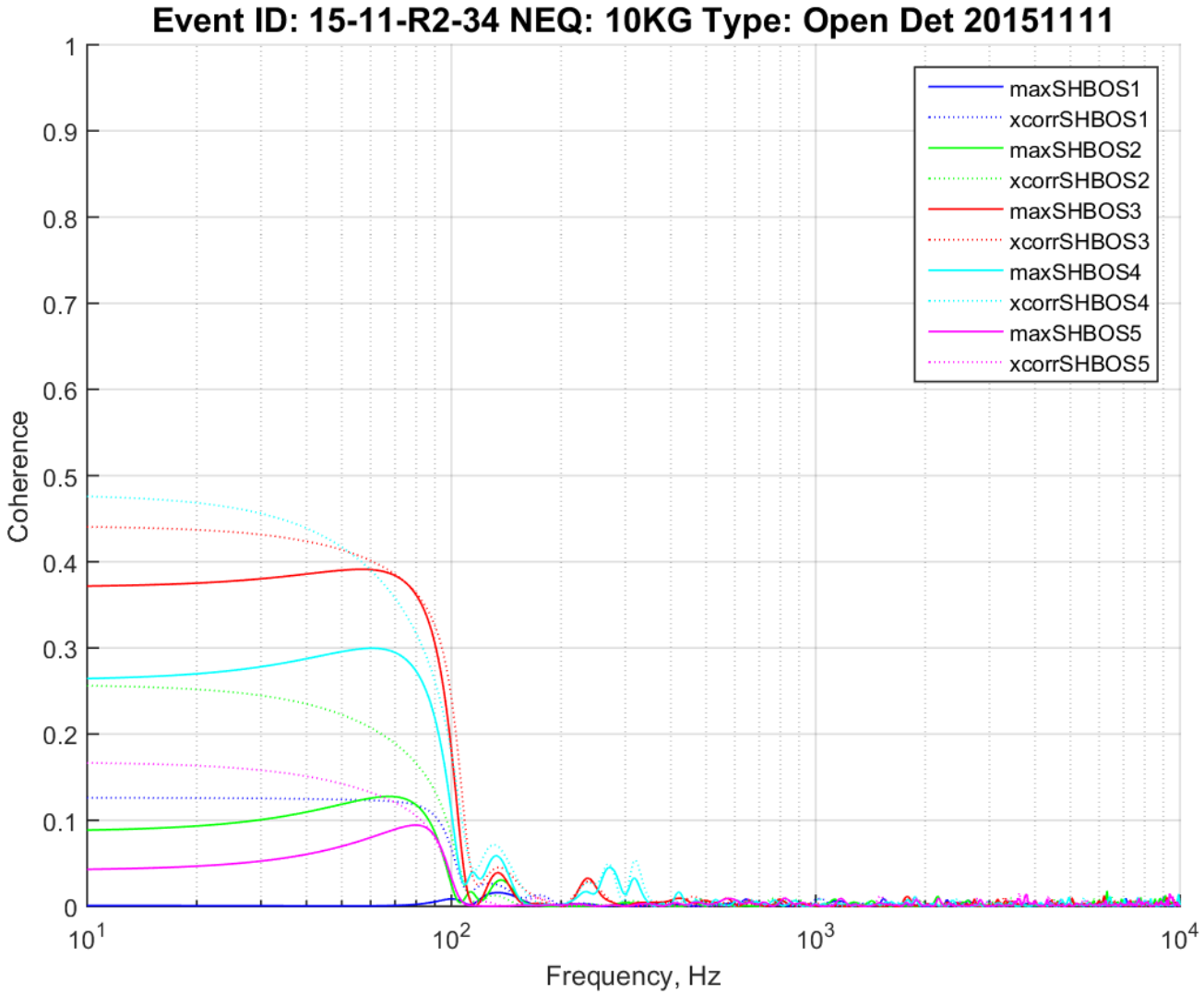


FIGURE 2.1903: COHERENCE SHB_OS 1 - 5 15-11-R2-34

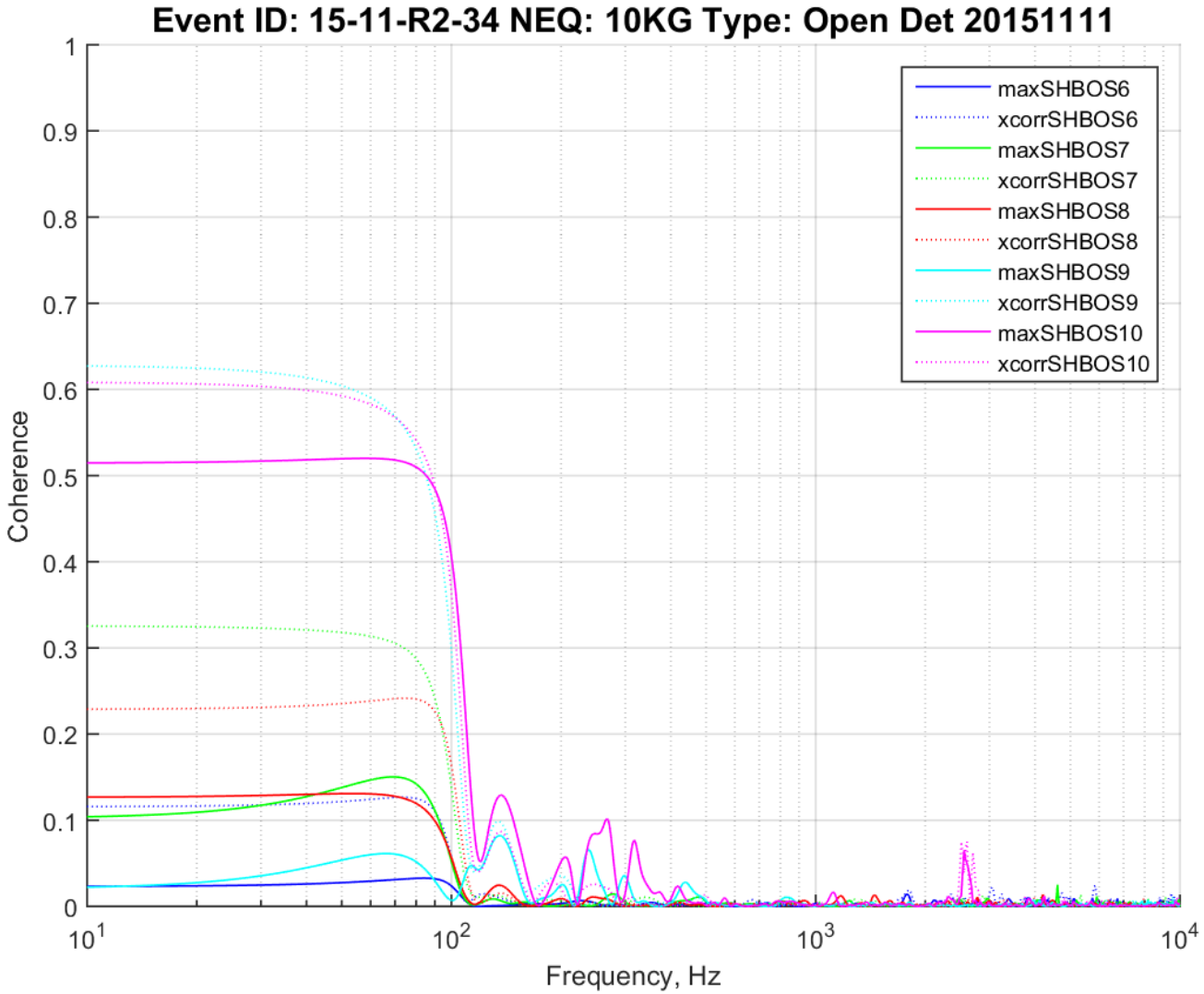


FIGURE 2.1904: COHERENCE SHB_OS 6 - 10 15-11-R2-34CTD

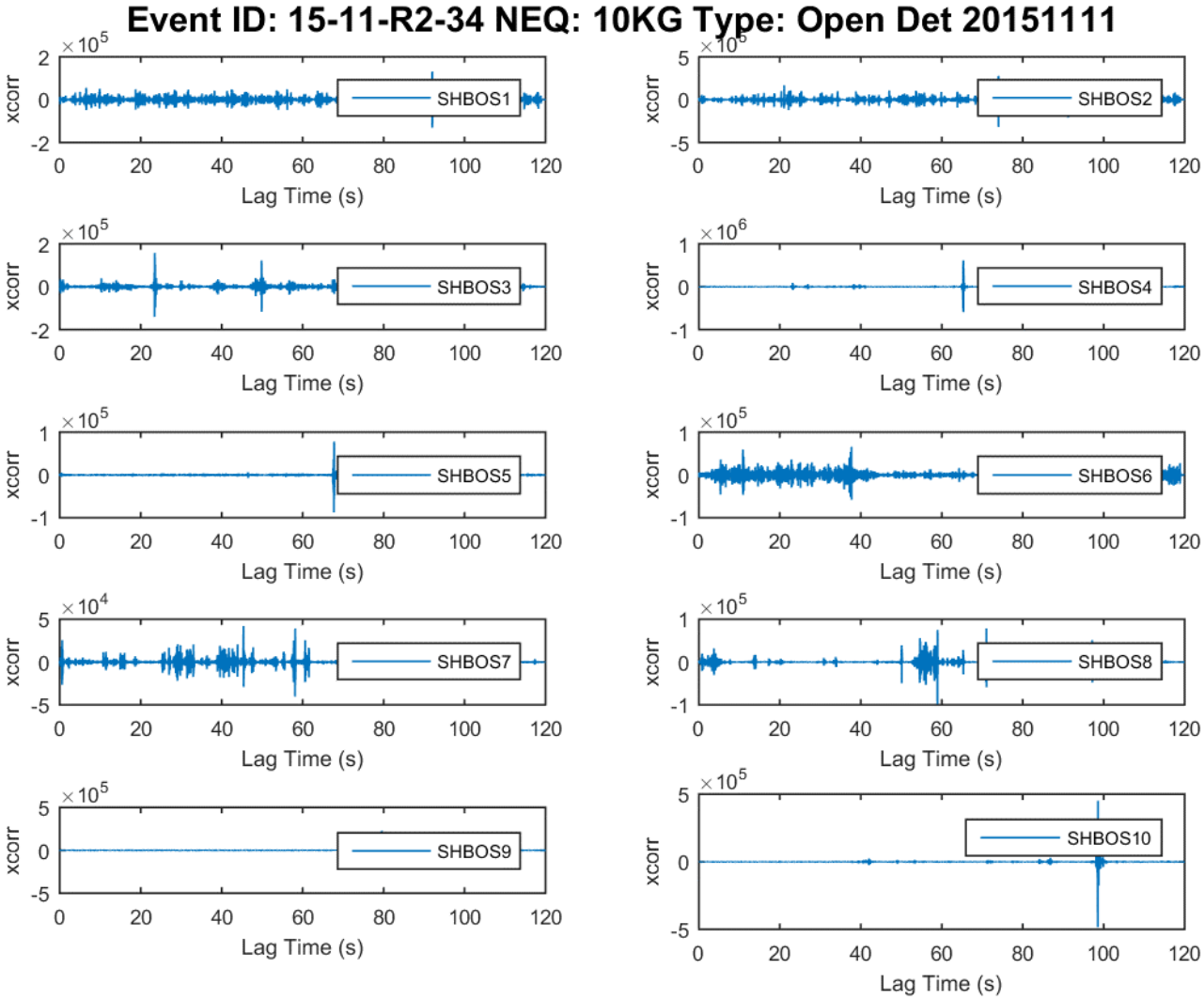


FIGURE 2.1905: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-34

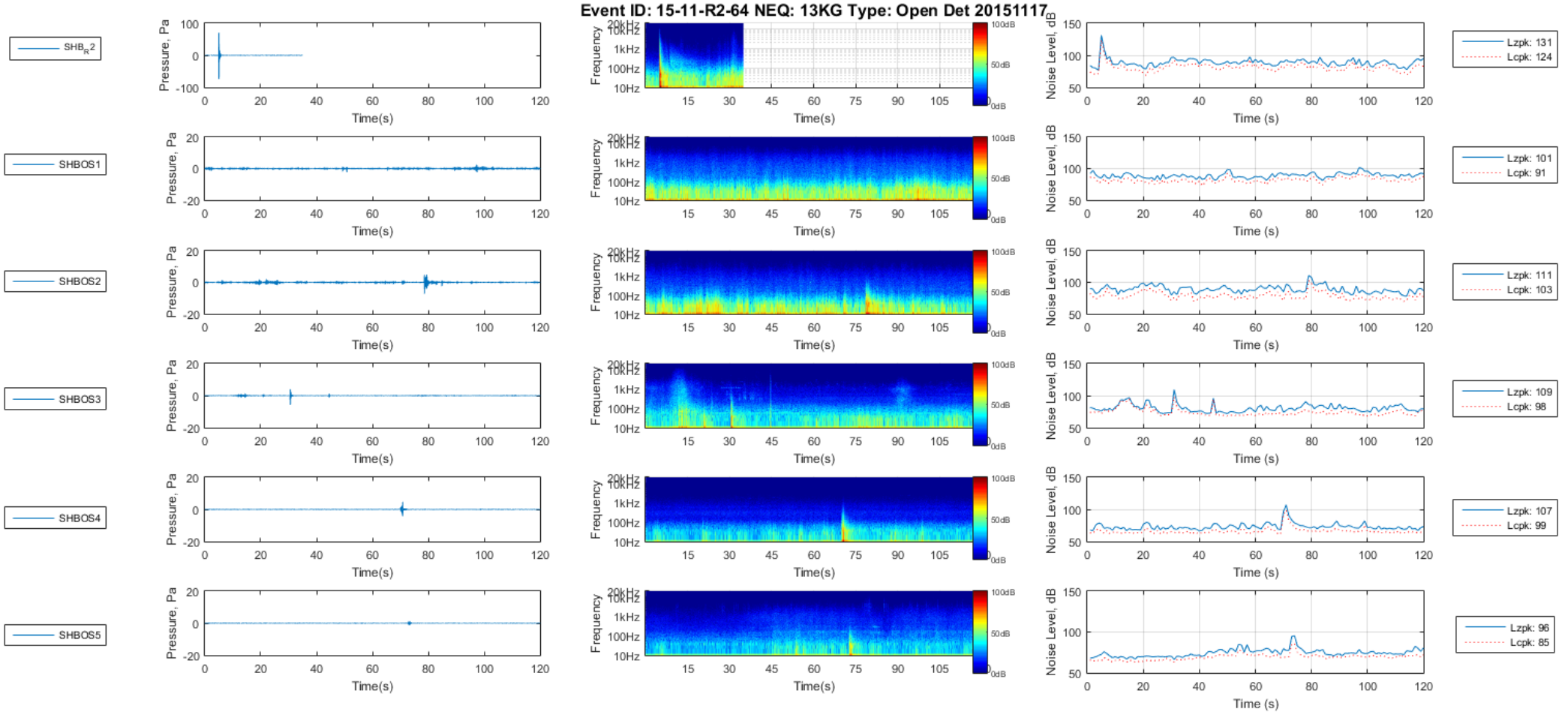


FIGURE 2.1906: SHB_OS 1 - 5 15-11-R2-64

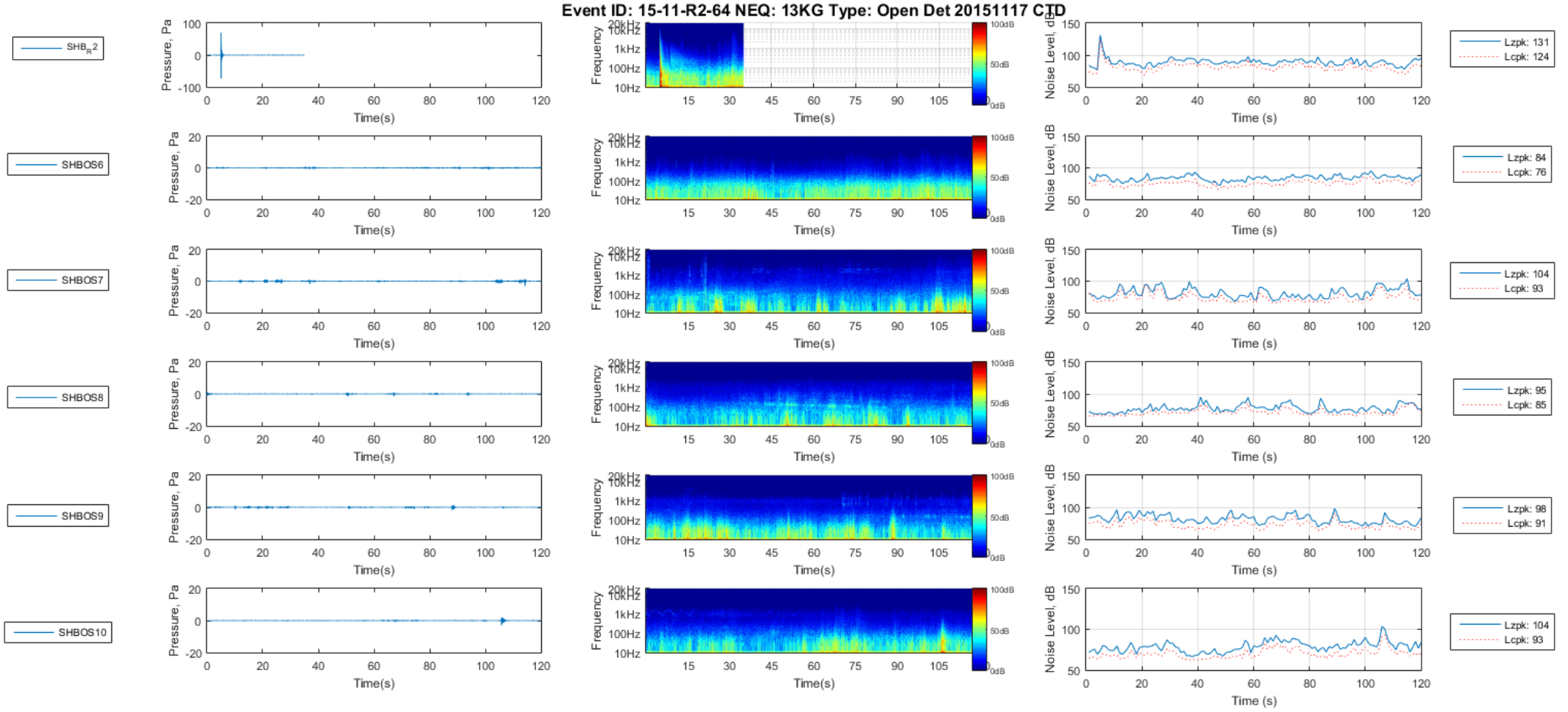


FIGURE 2.1907: SHB_OS 6 - 10 15-11-R2-64

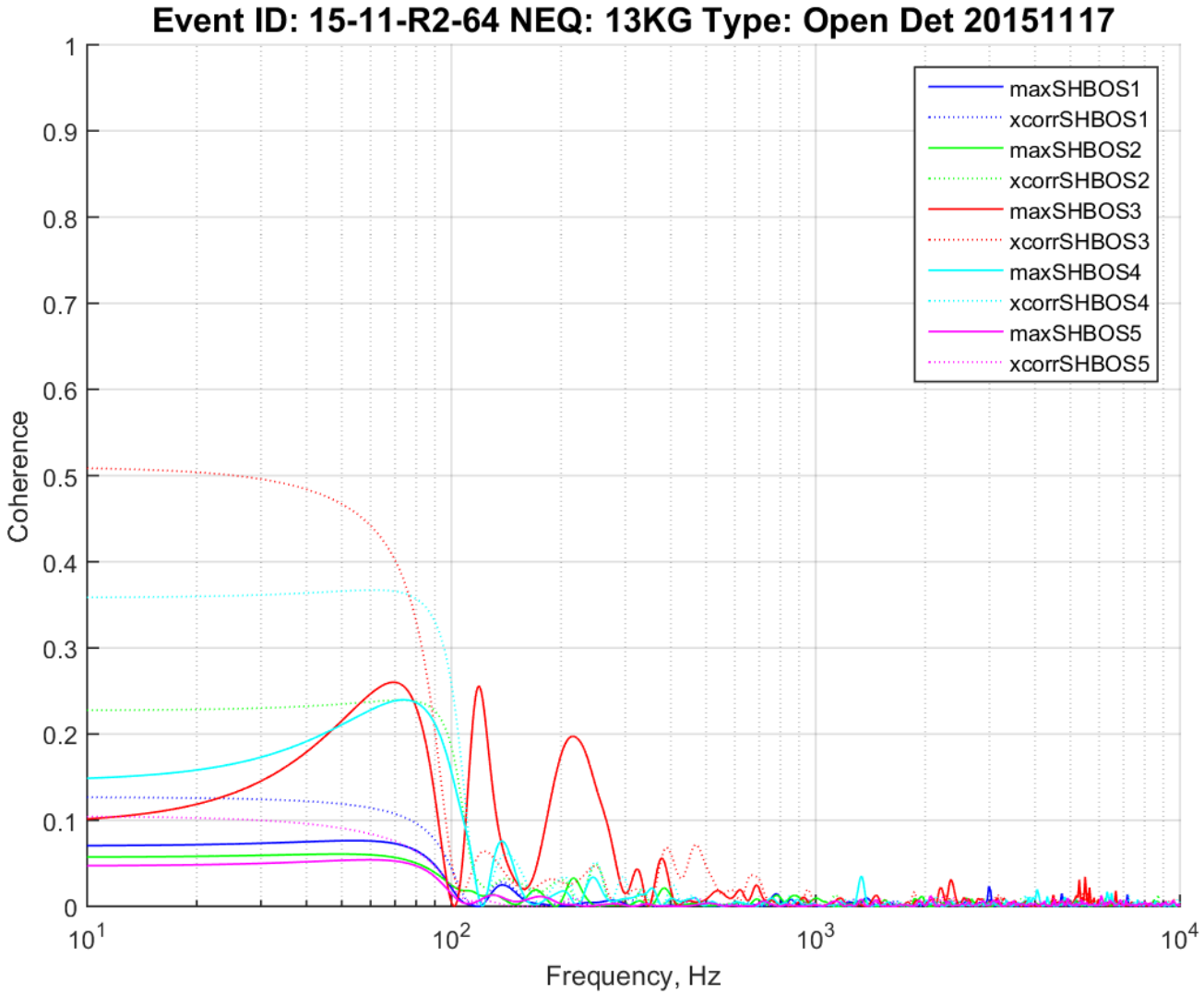


FIGURE 2.1908: COHERENCE SHB_OS 1 - 5 15-11-R2-64

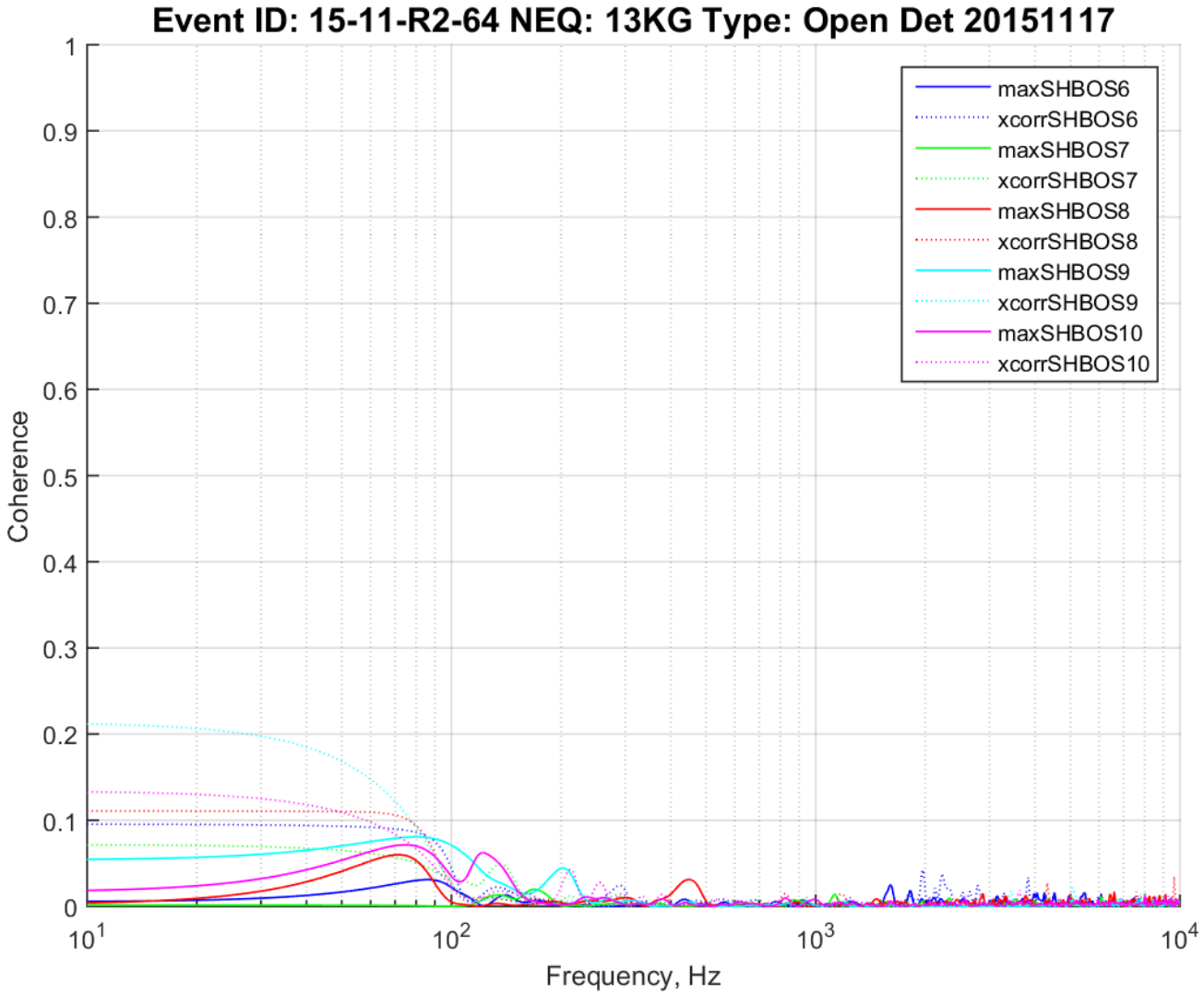


FIGURE 2.1909: COHERENCE SHB_OS 6 - 10 15-11-R2-64CTD

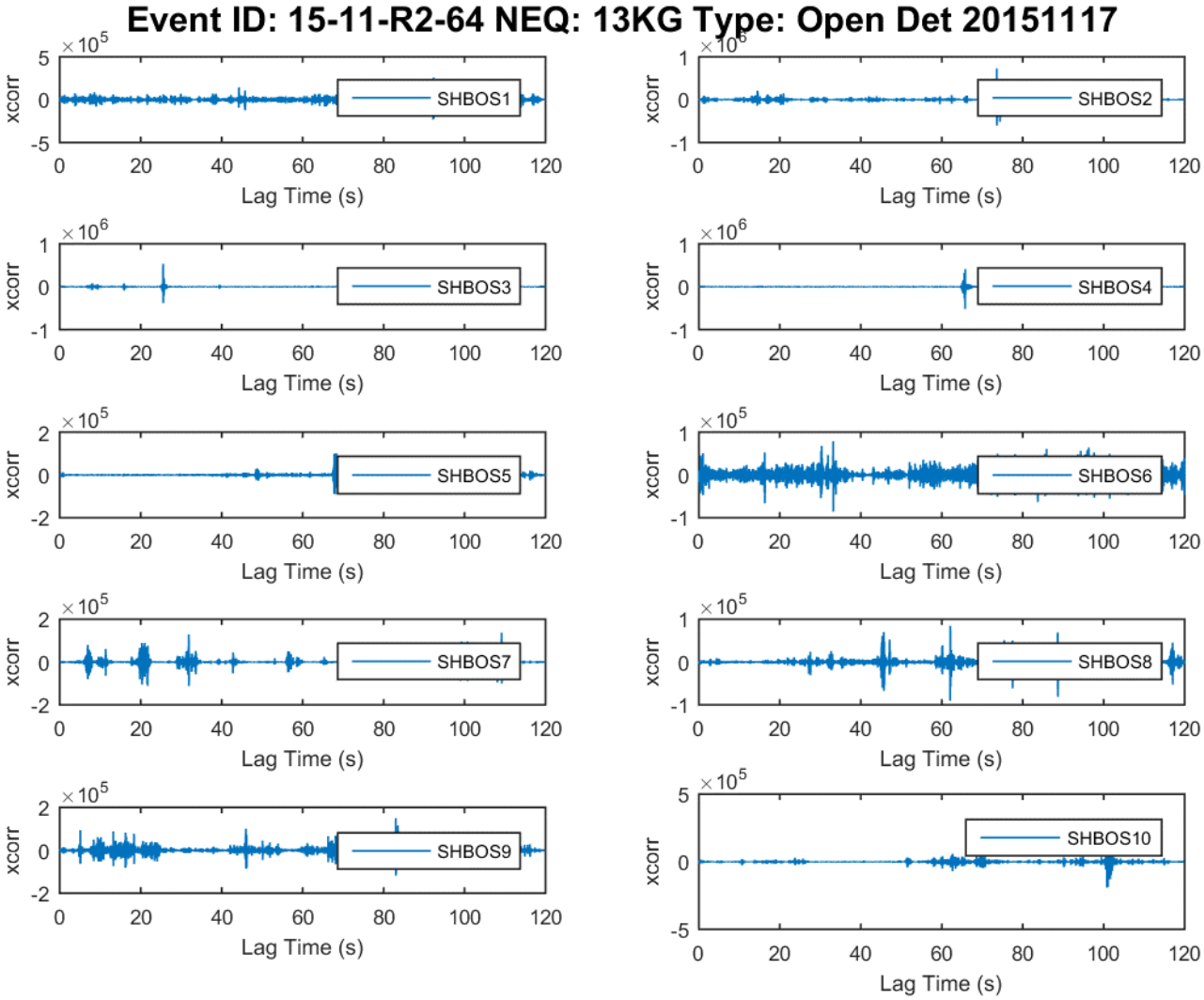


FIGURE 2.1910: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-64

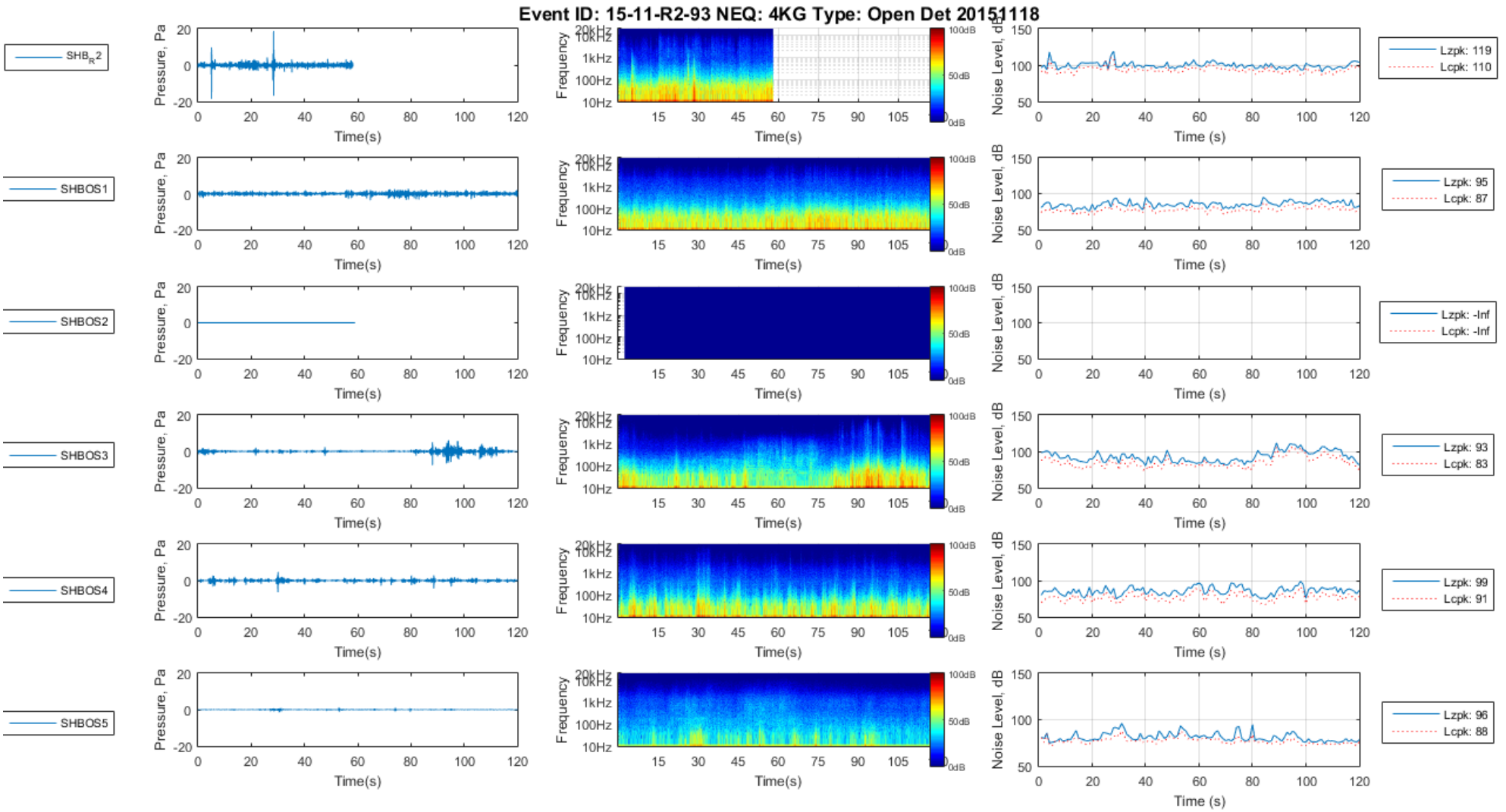


FIGURE 2.1911: SHB_OS 1 - 5 15-11-R2-93

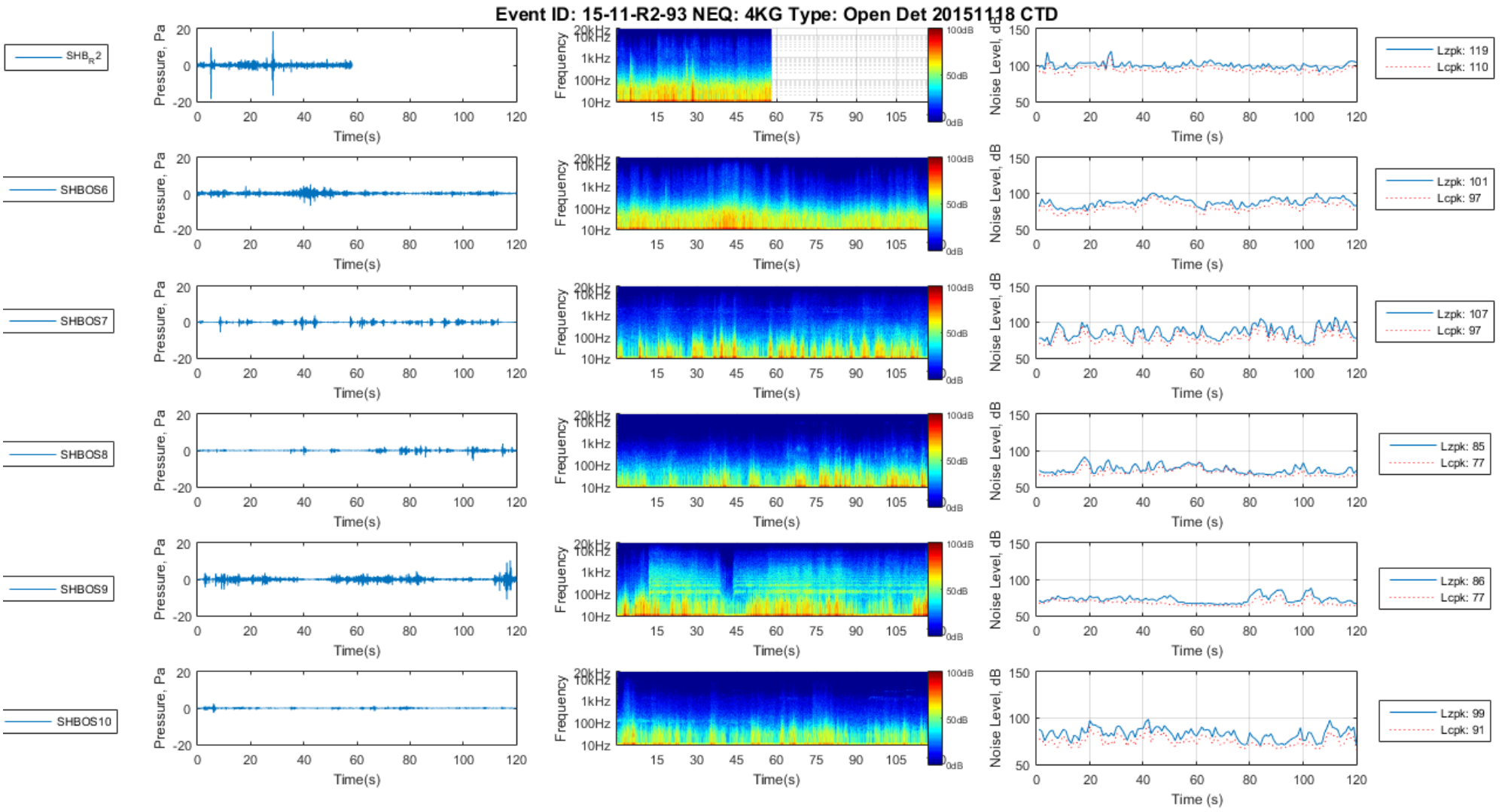


FIGURE 2.1912: SHB_OS 6 - 10 15-11-R2-93

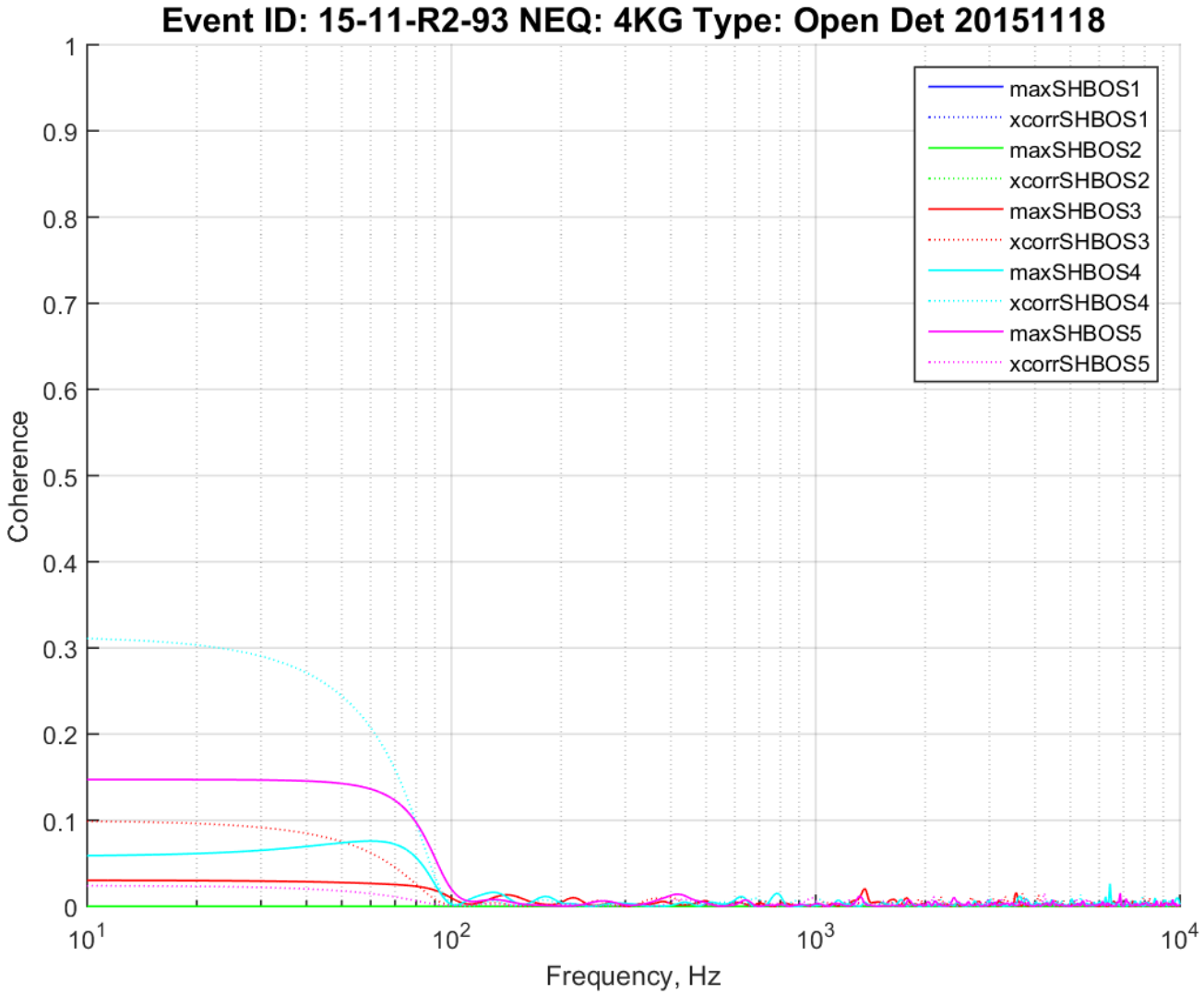


FIGURE 2.1913: COHERENCE SHB_OS 1 - 5 15-11-R2-93

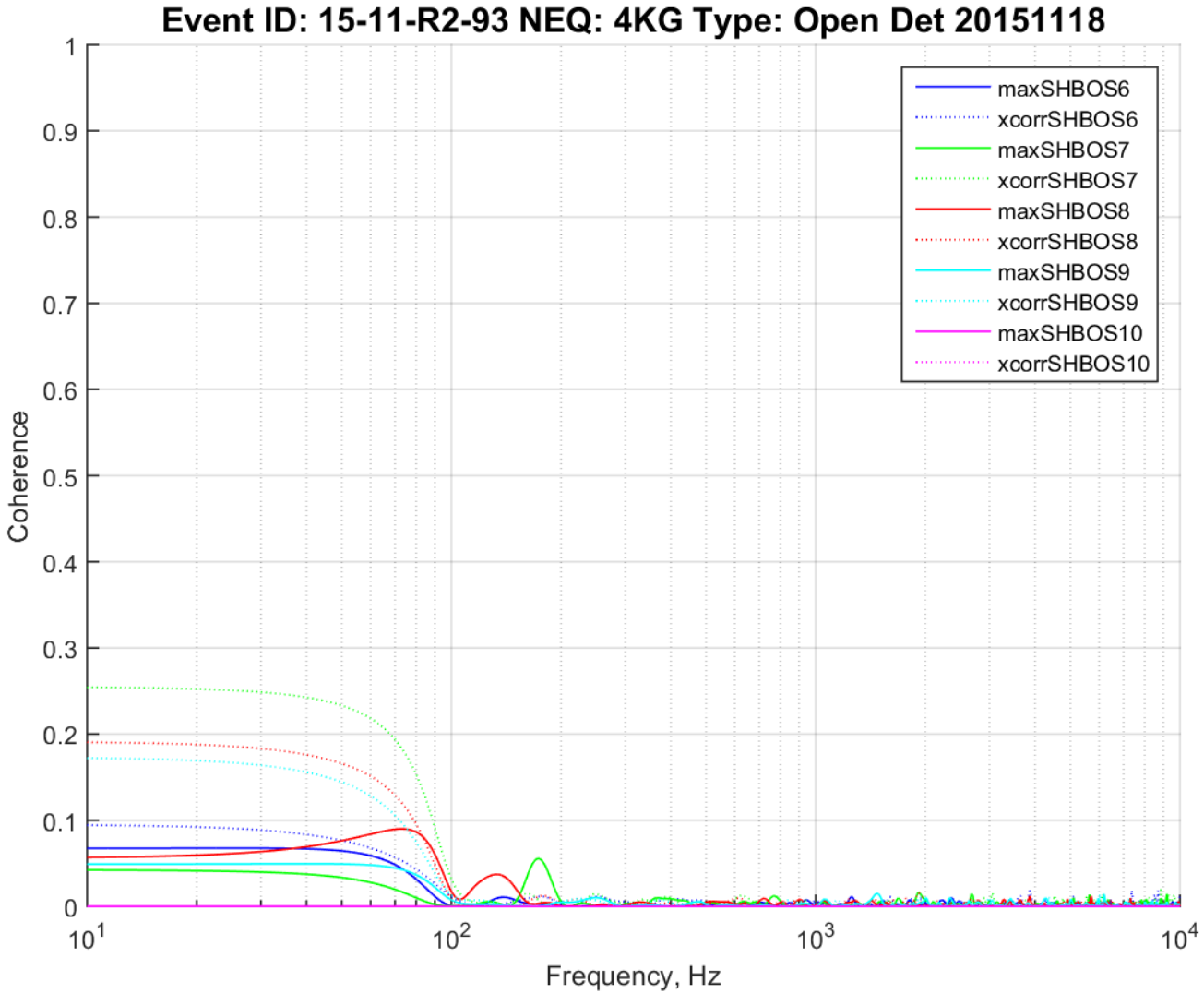


FIGURE 2.1914: COHERENCE SHB_OS 6 - 10 15-11-R2-93CTD

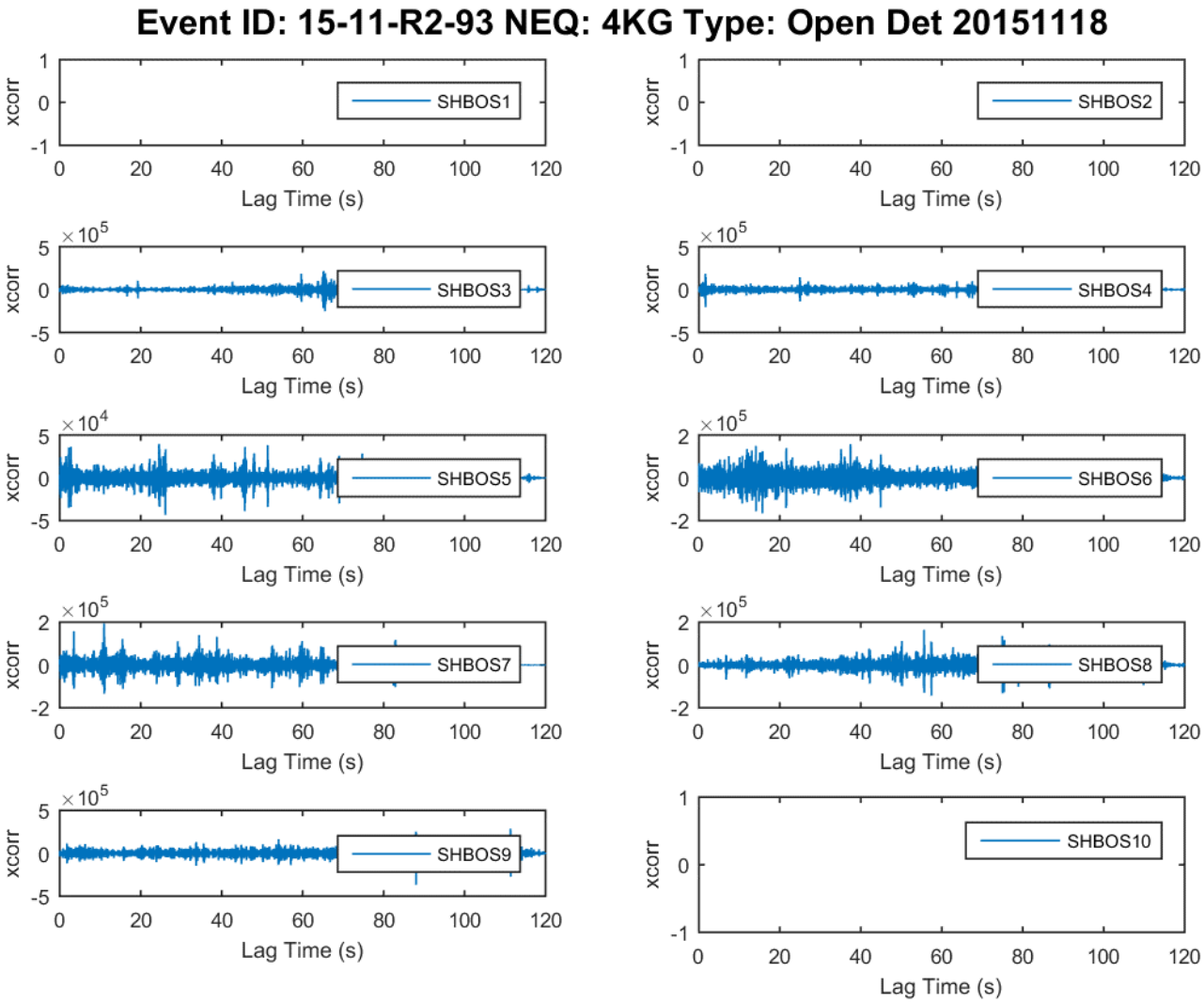


FIGURE 2.1915: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-93

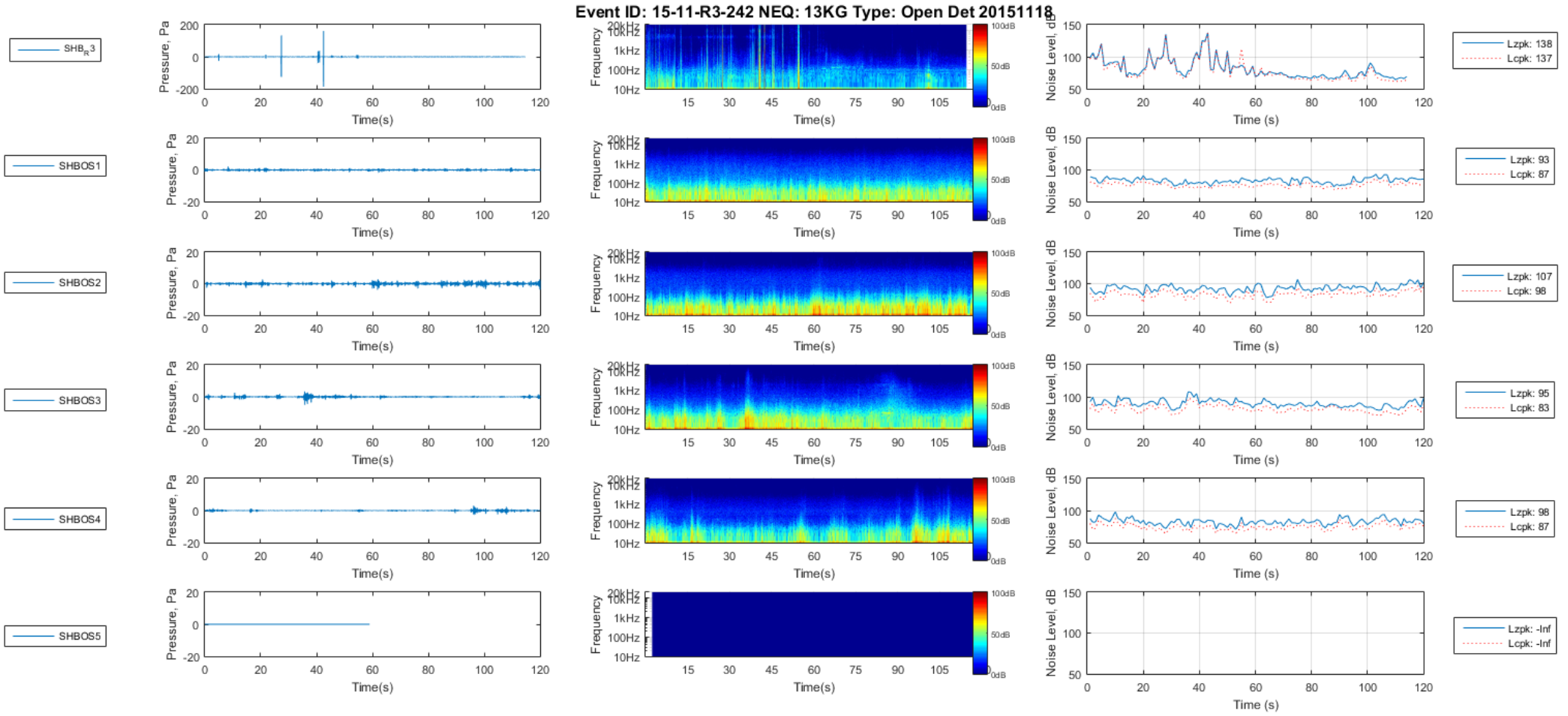


FIGURE 2.1916: SHB_OS 1 - 5 15-11-R3-242

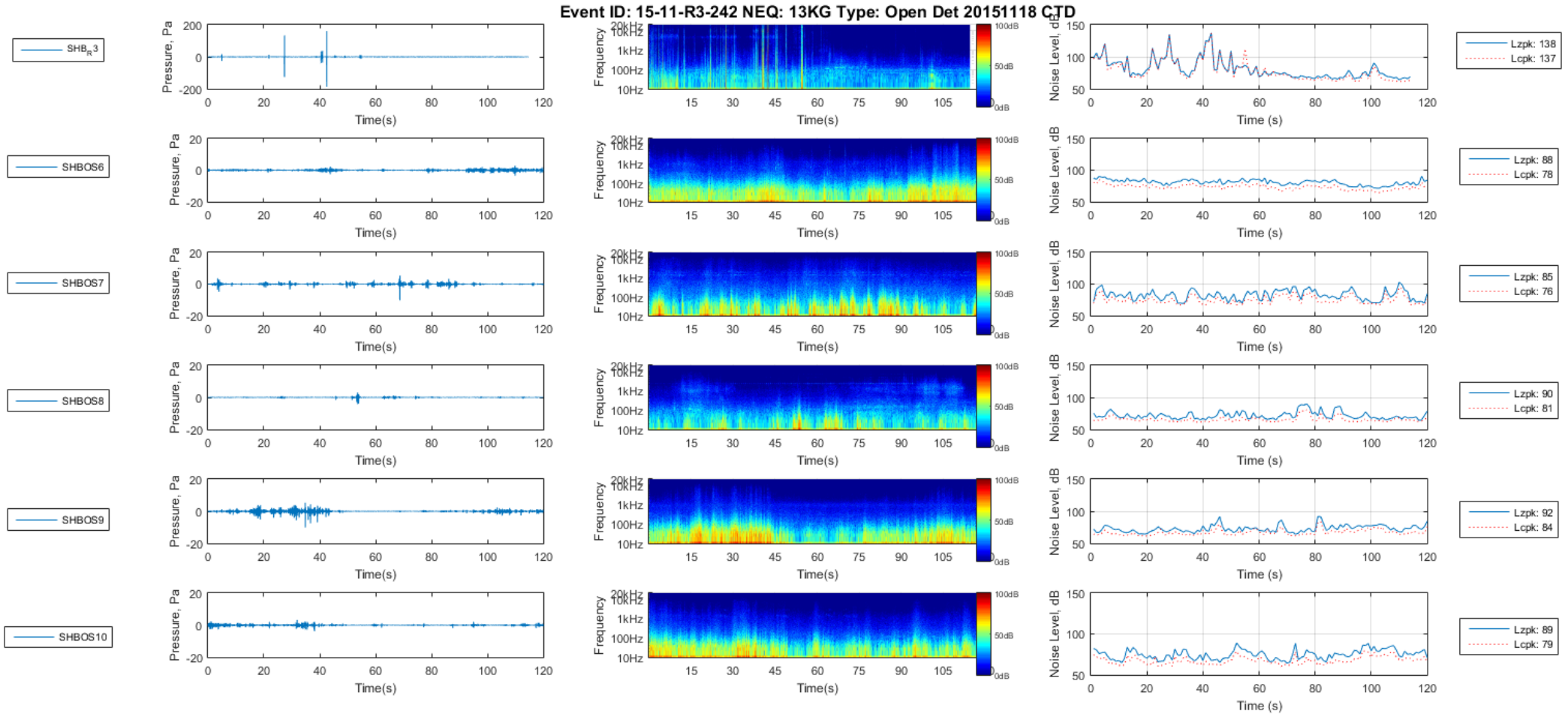


FIGURE 2.1917: SHB_OS 6 - 10 15-11-R3-242

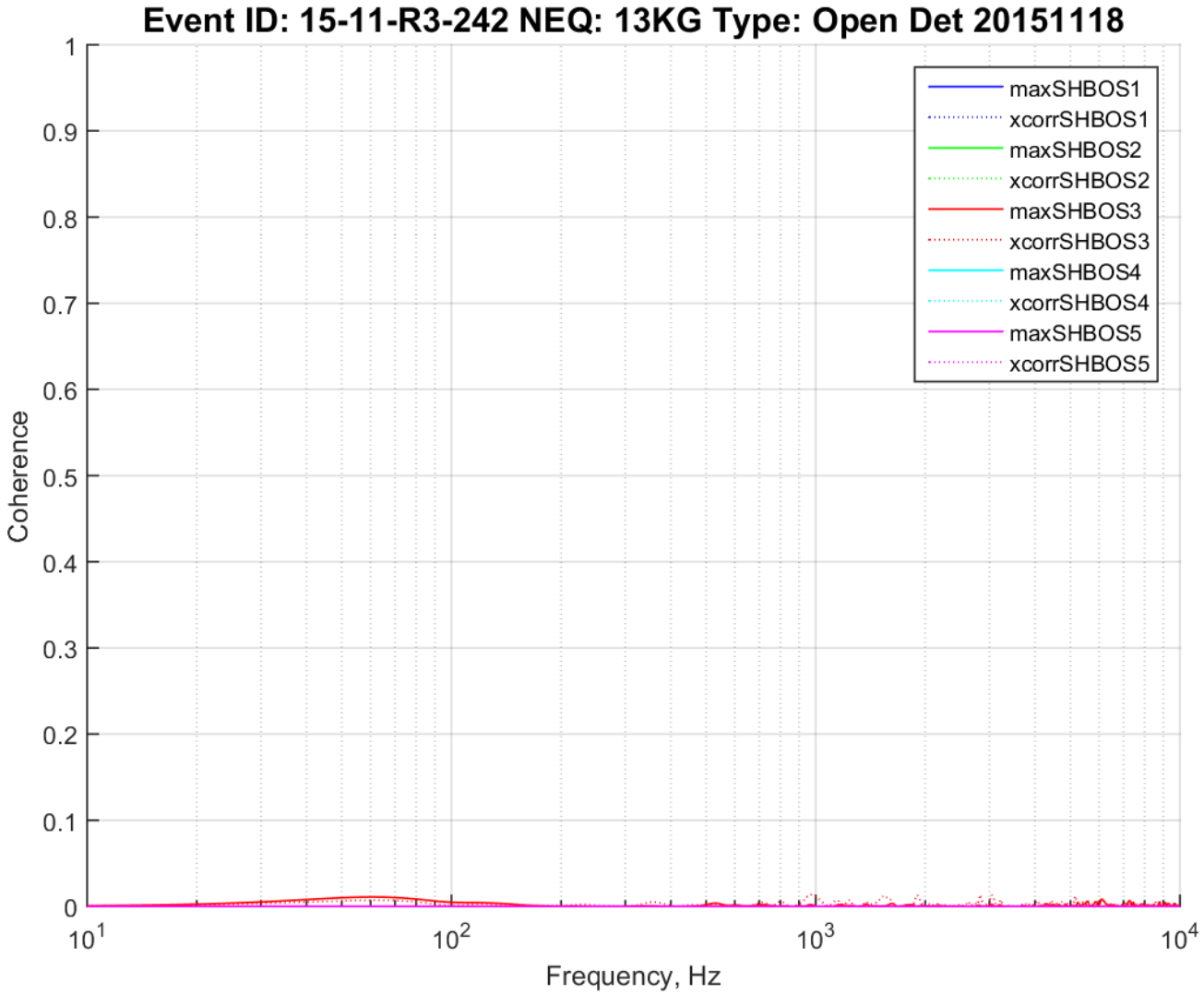


FIGURE 2.1918: COHERENCE SHB_OS 1 - 5 15-11-R3-242

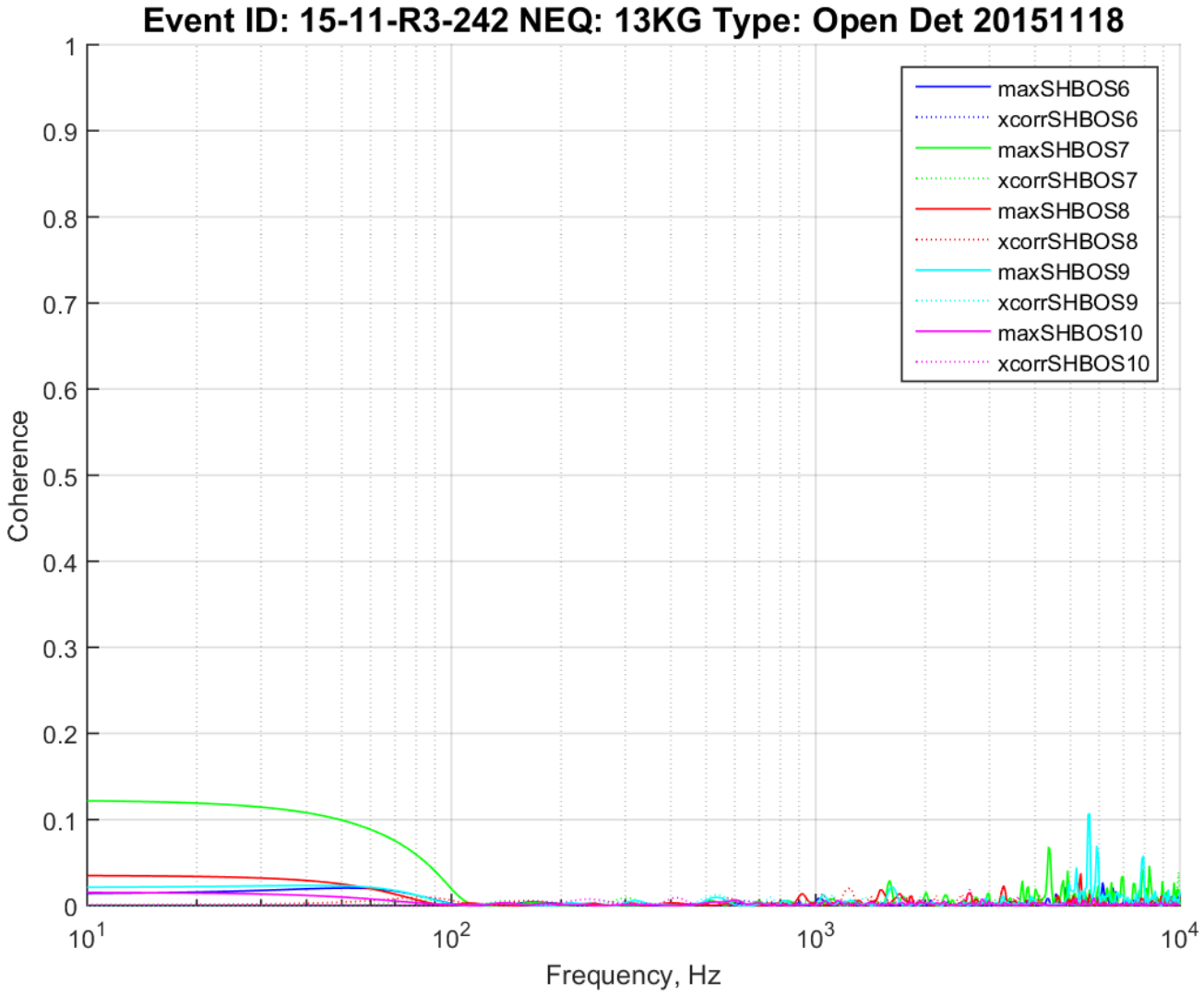


FIGURE 2.1919: COHERENCE SHB_OS 6 - 10 15-11-R3-242CTD

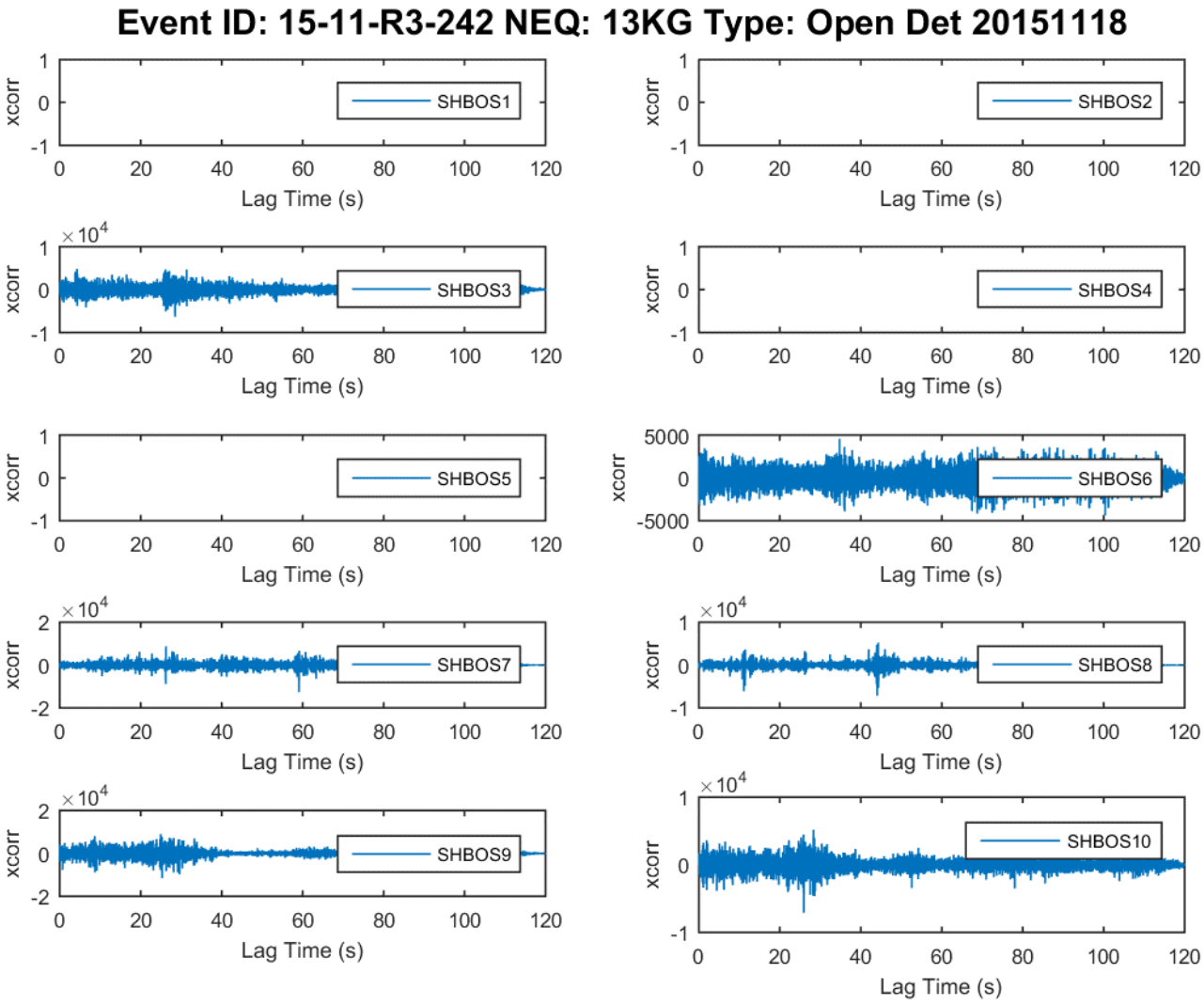


FIGURE 2.1920: CROSS CORRELATION SHB_OS 1 - 10 15-11-R3-242

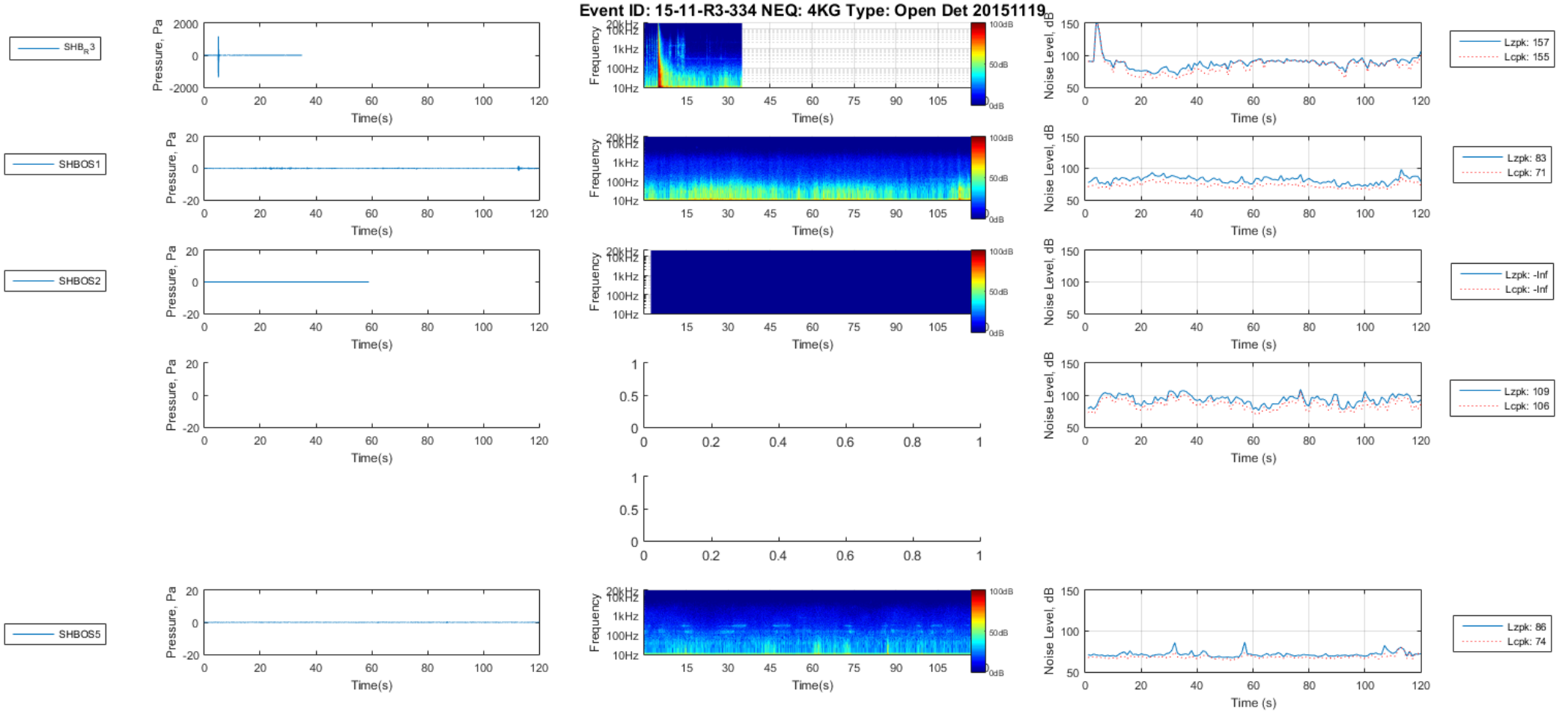


FIGURE 2.1921: SHB_OS 1 - 5 15-11-R3-334

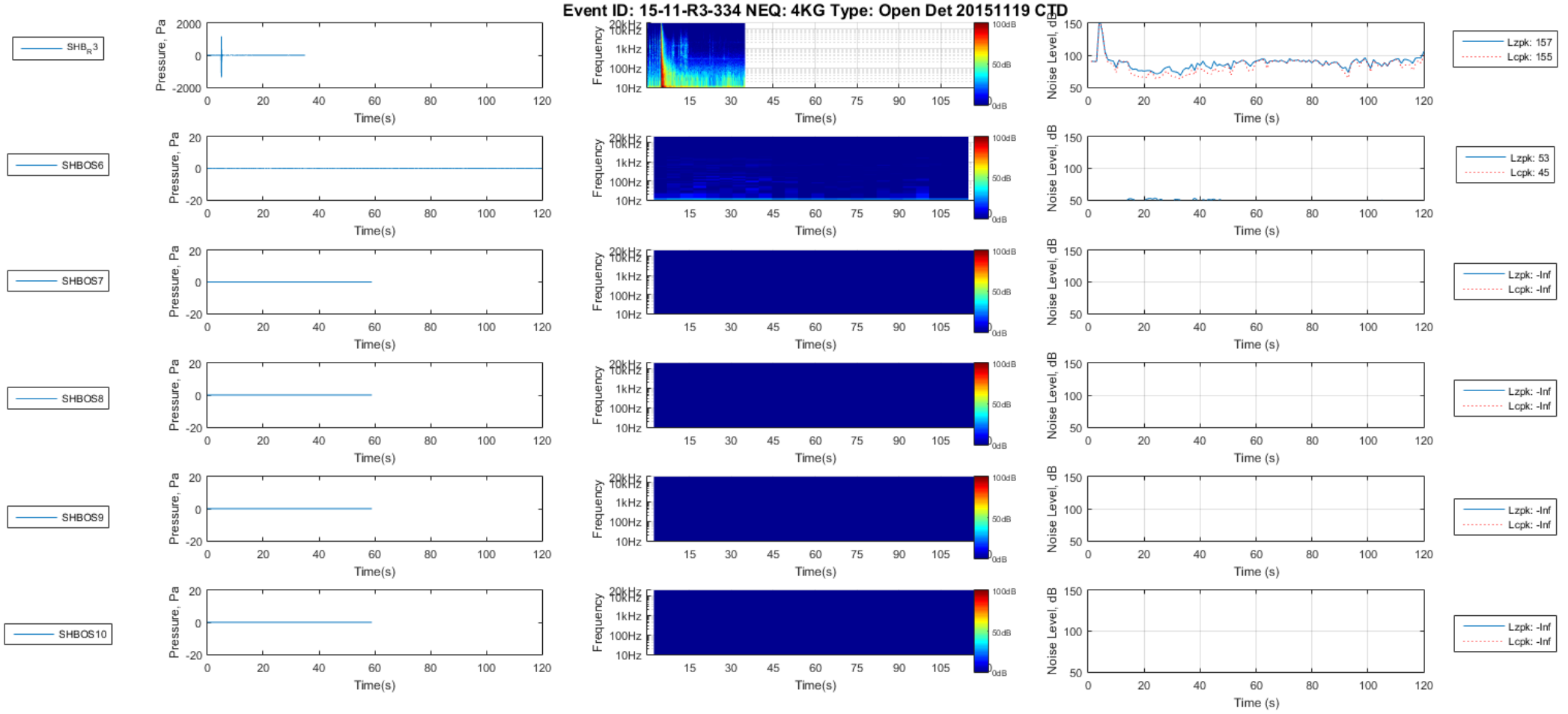


FIGURE 2.1922: SHB_OS 6 - 10 15-11-R3-334

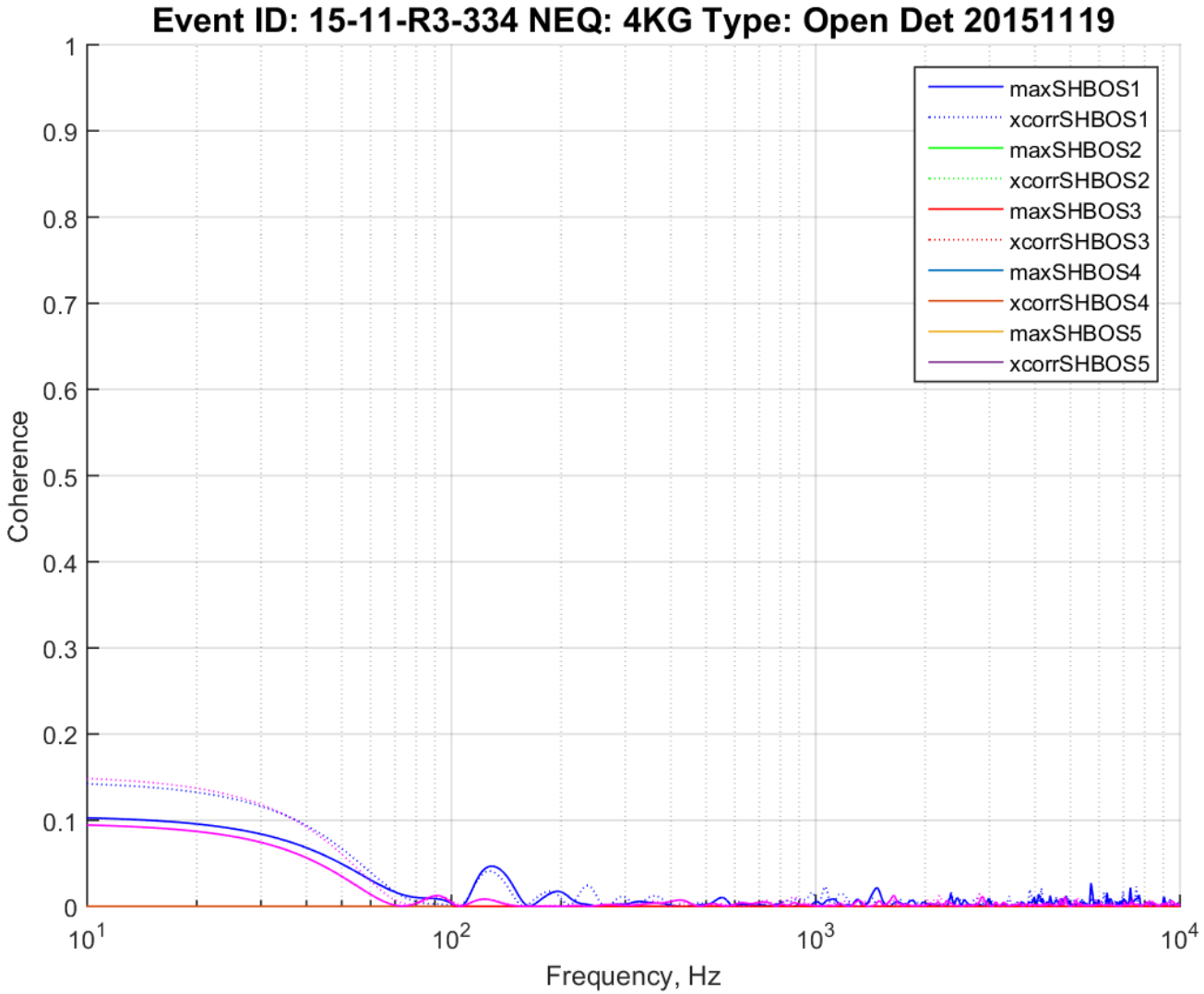


FIGURE 2.1923: COHERENCE SHB_OS 1 - 5 15-11-R3-334

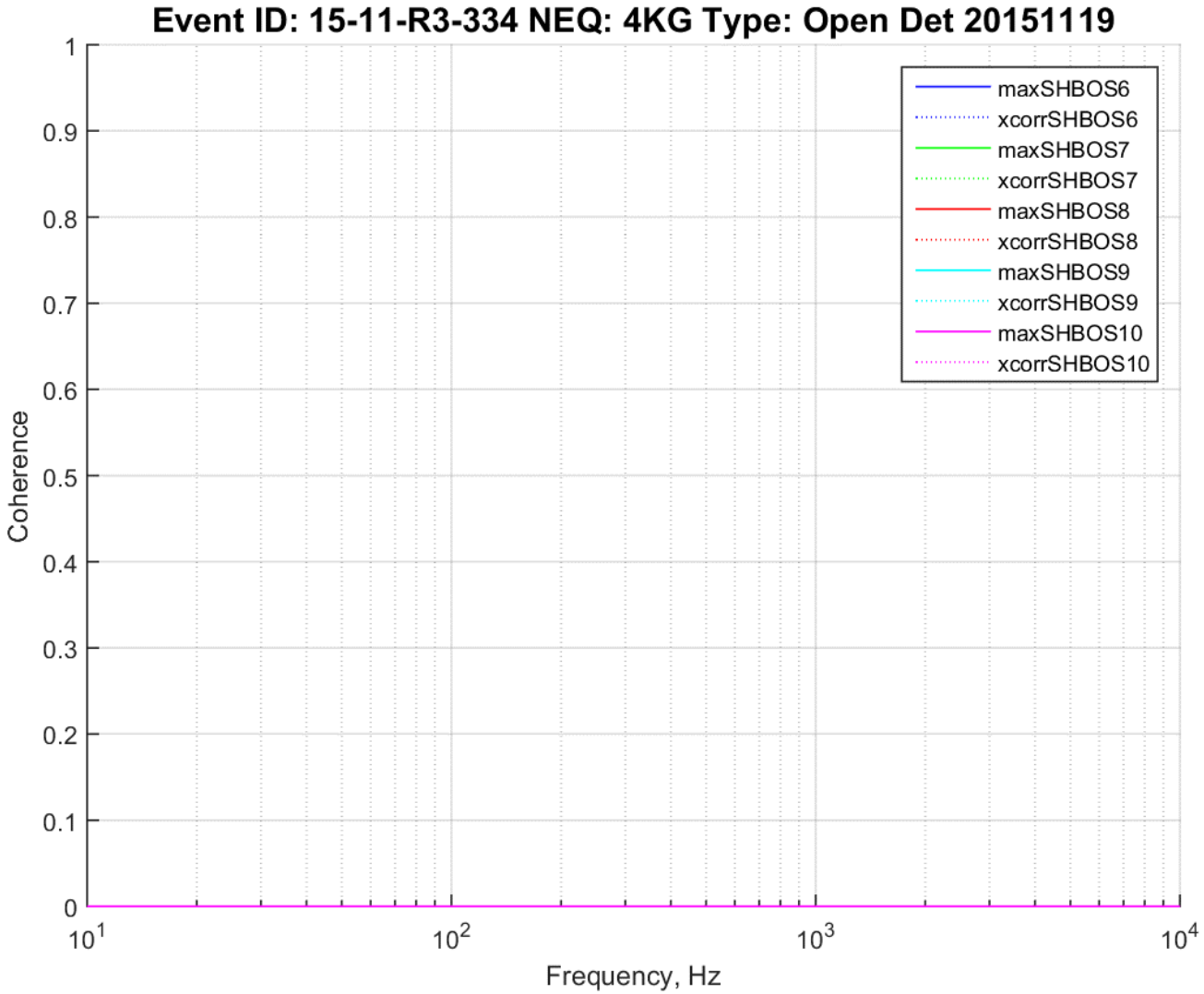


FIGURE 2.1924: COHERENCE SHB_OS 6 - 10 15-11-R3-334CTD

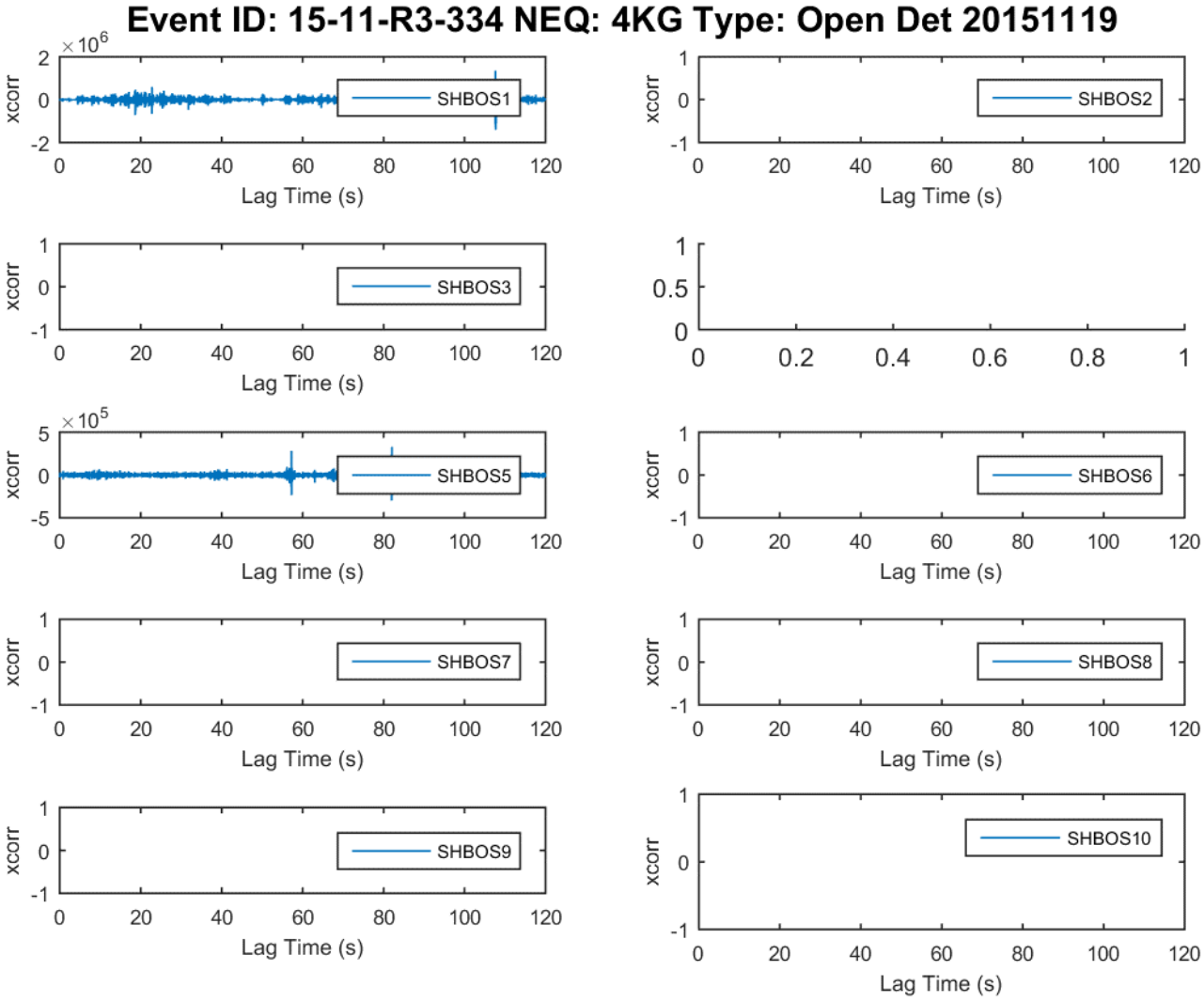


FIGURE 2.1925: CROSS CORRELATION SHB_OS 1 - 10 15-11-R3-334

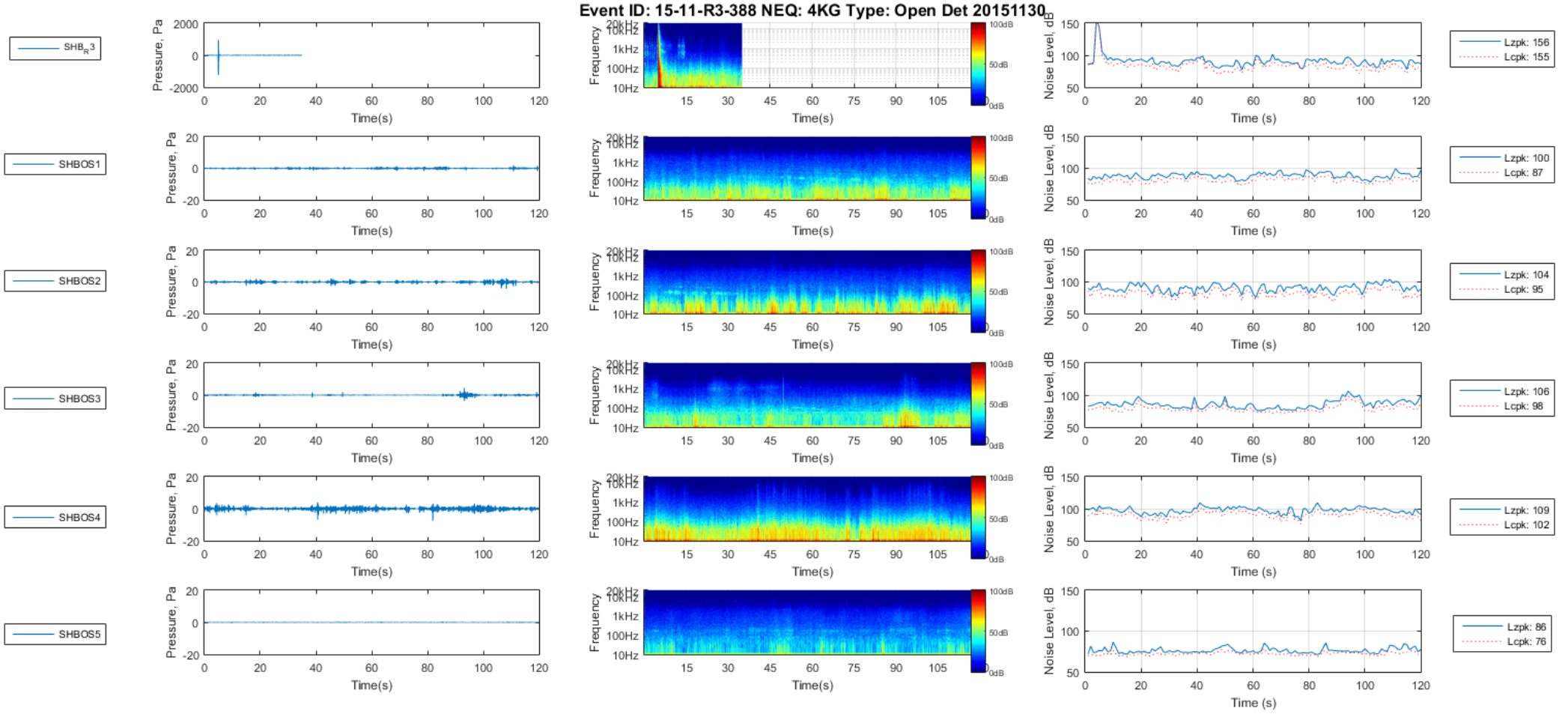


FIGURE 2.1926: SHB_OS 1 - 5 15-11-R3-388

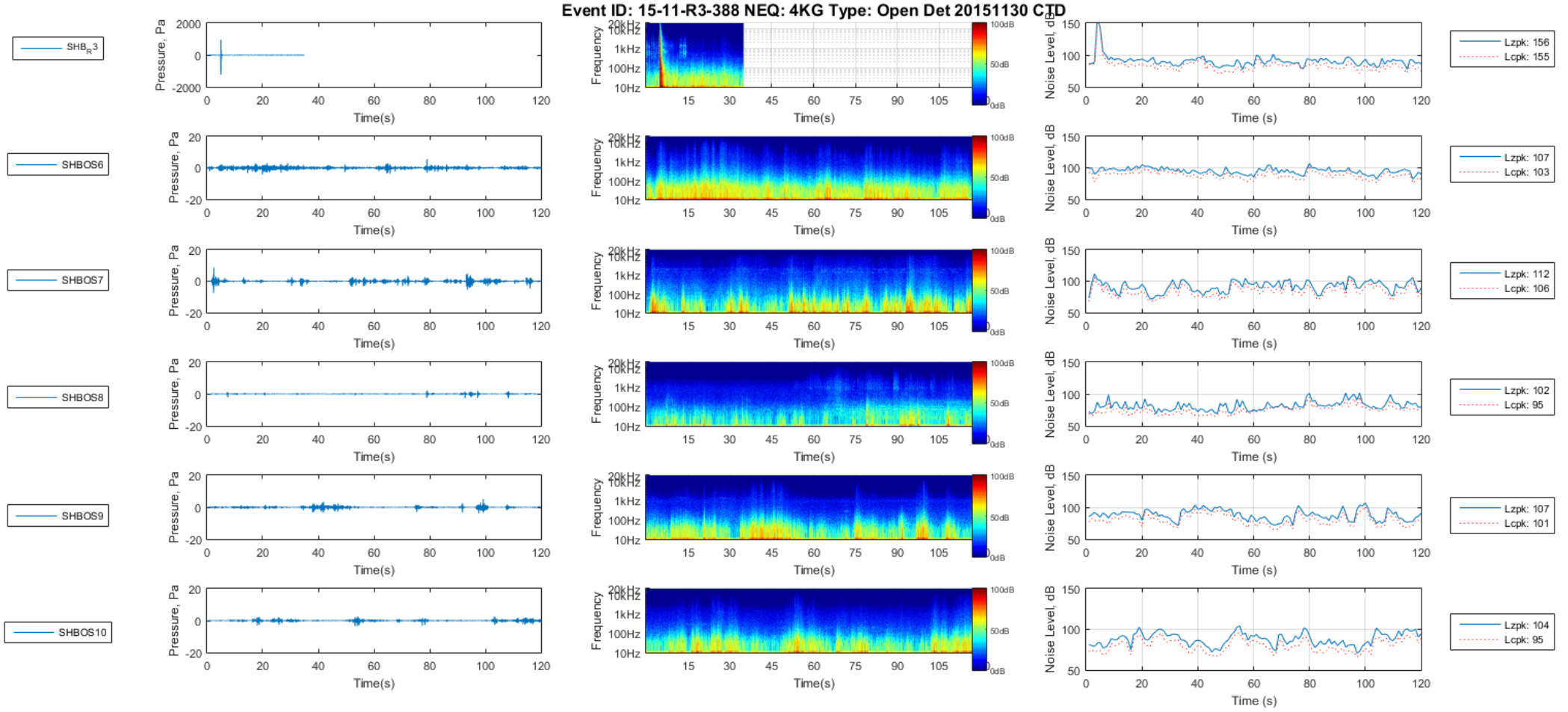


FIGURE 2.1927: SHB_OS 6 - 10 15-11-R3-388

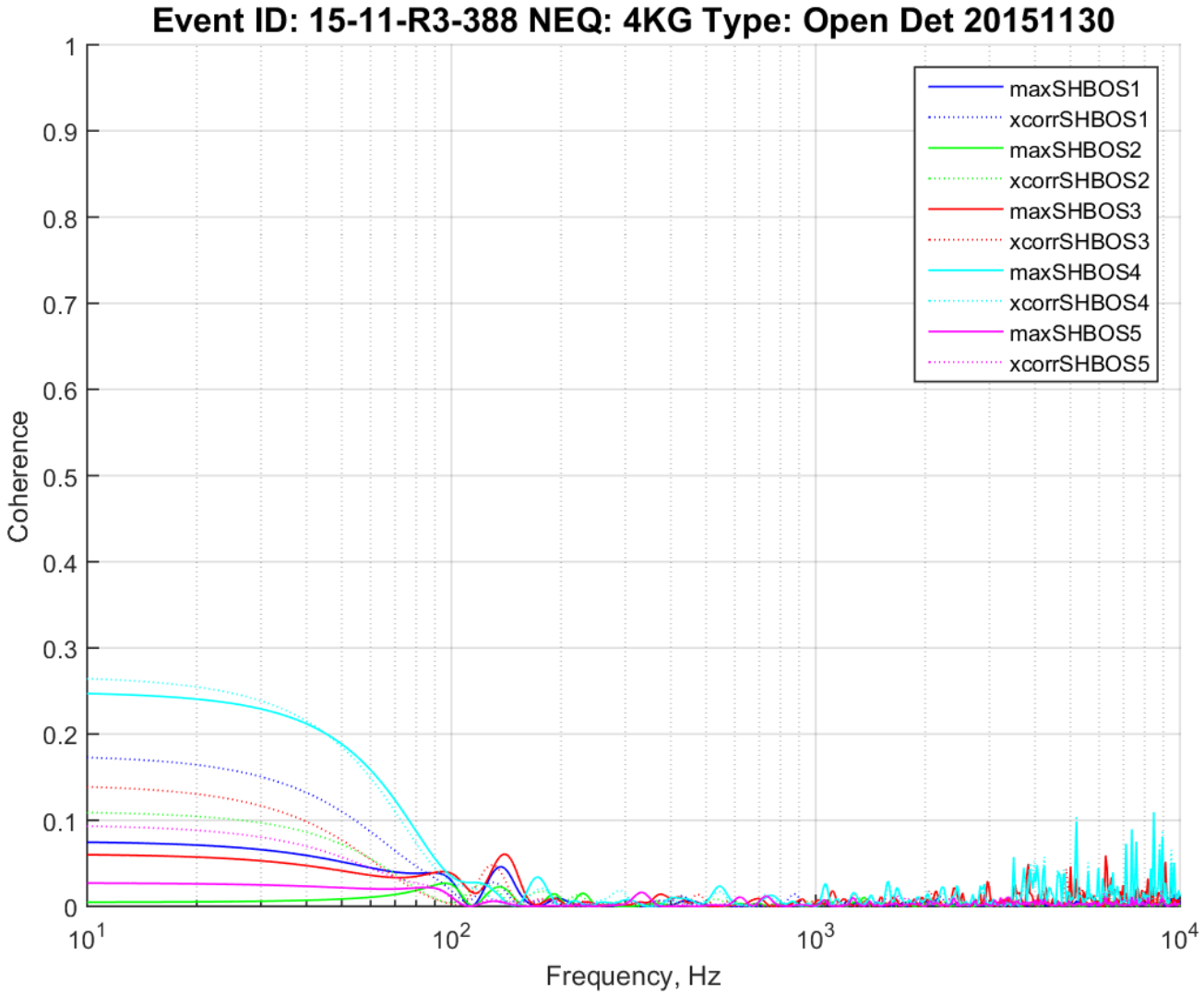


FIGURE 2.1928: COHERENCE SHB_OS 1 - 5 15-11-R3-388

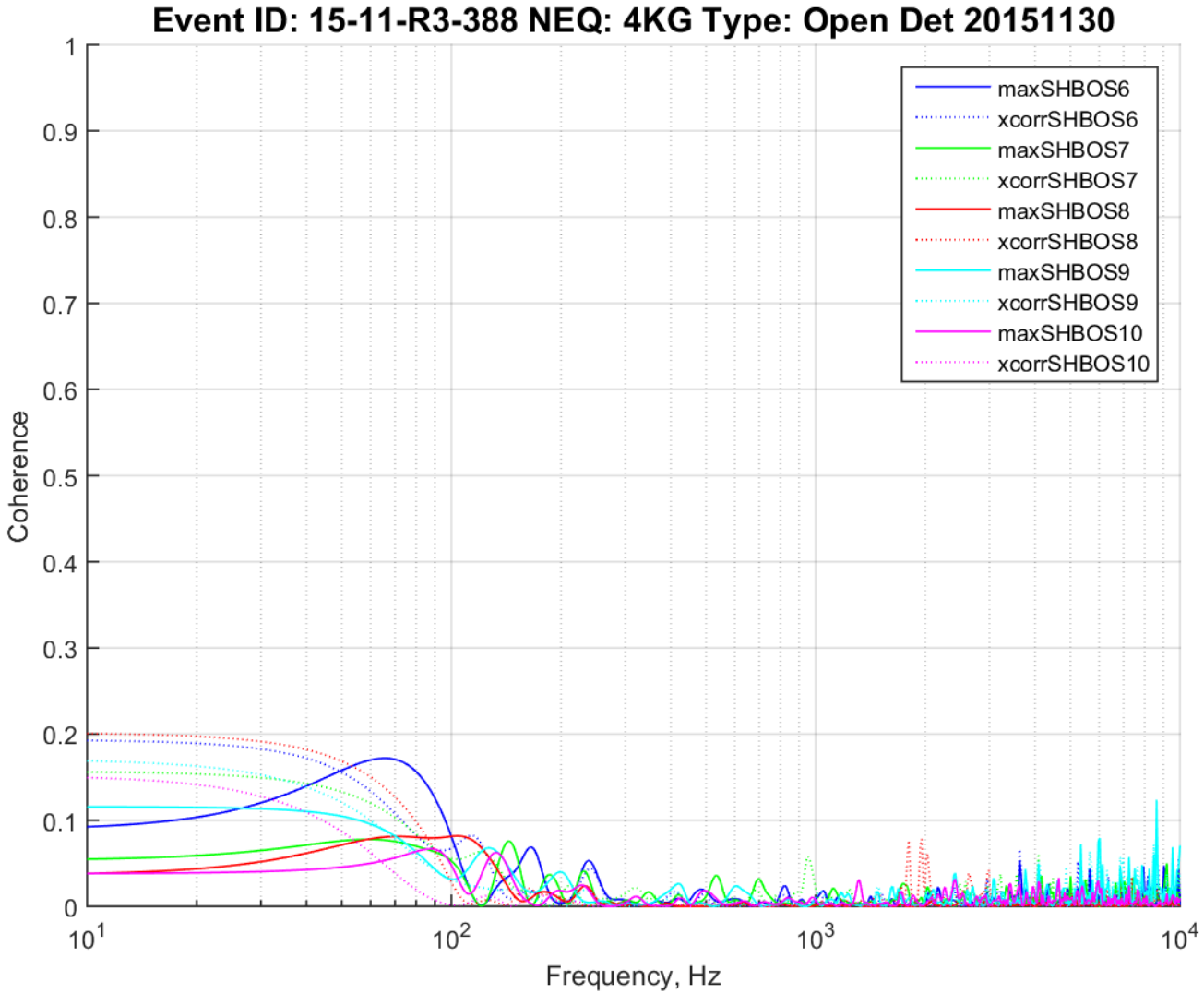


FIGURE 2.1929: COHERENCE SHB_OS 6 - 10 15-11-R3-388CTD

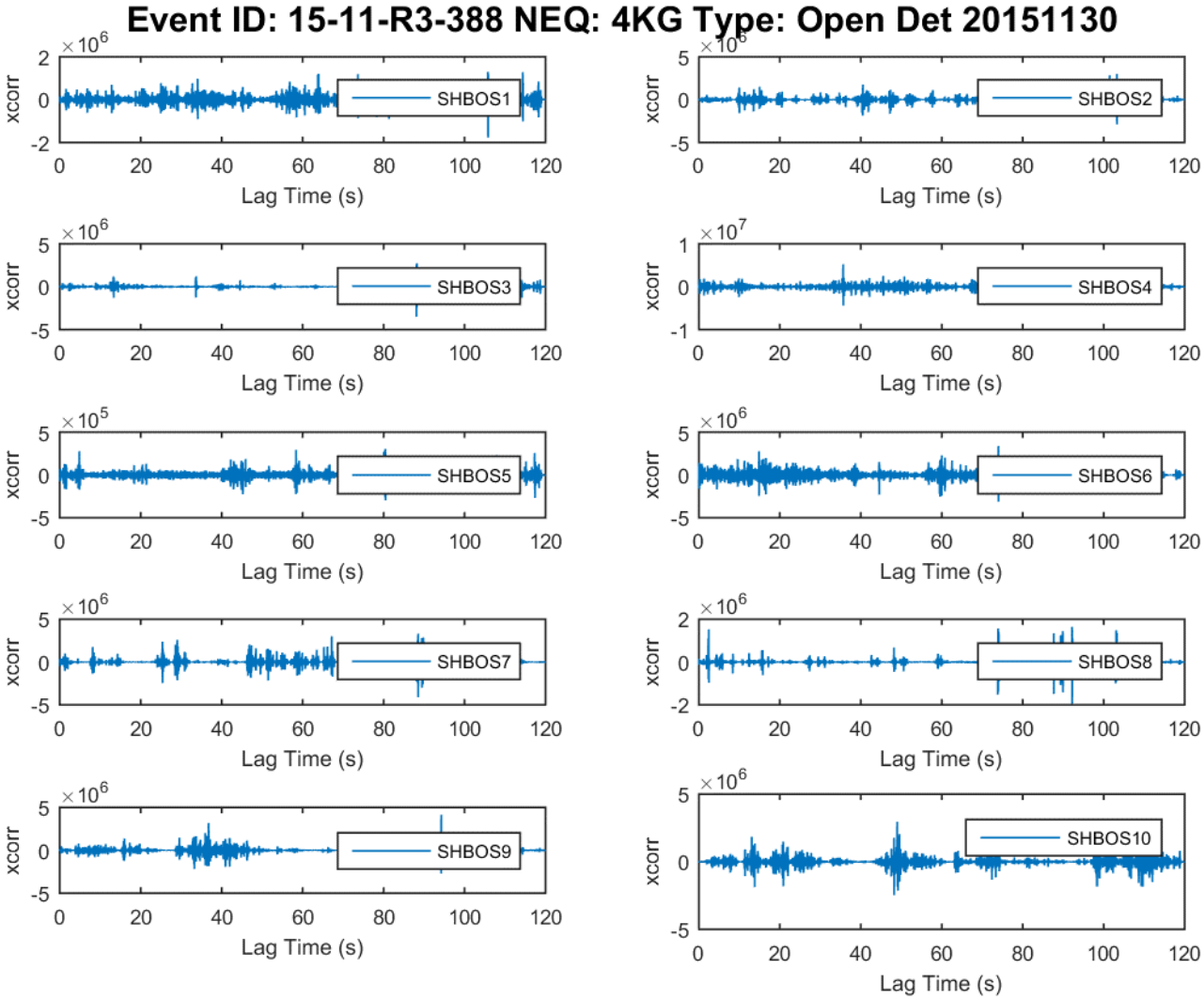


FIGURE 2.1930: CROSS CORRELATION SHB_OS 1 - 10 15-11-R3-388

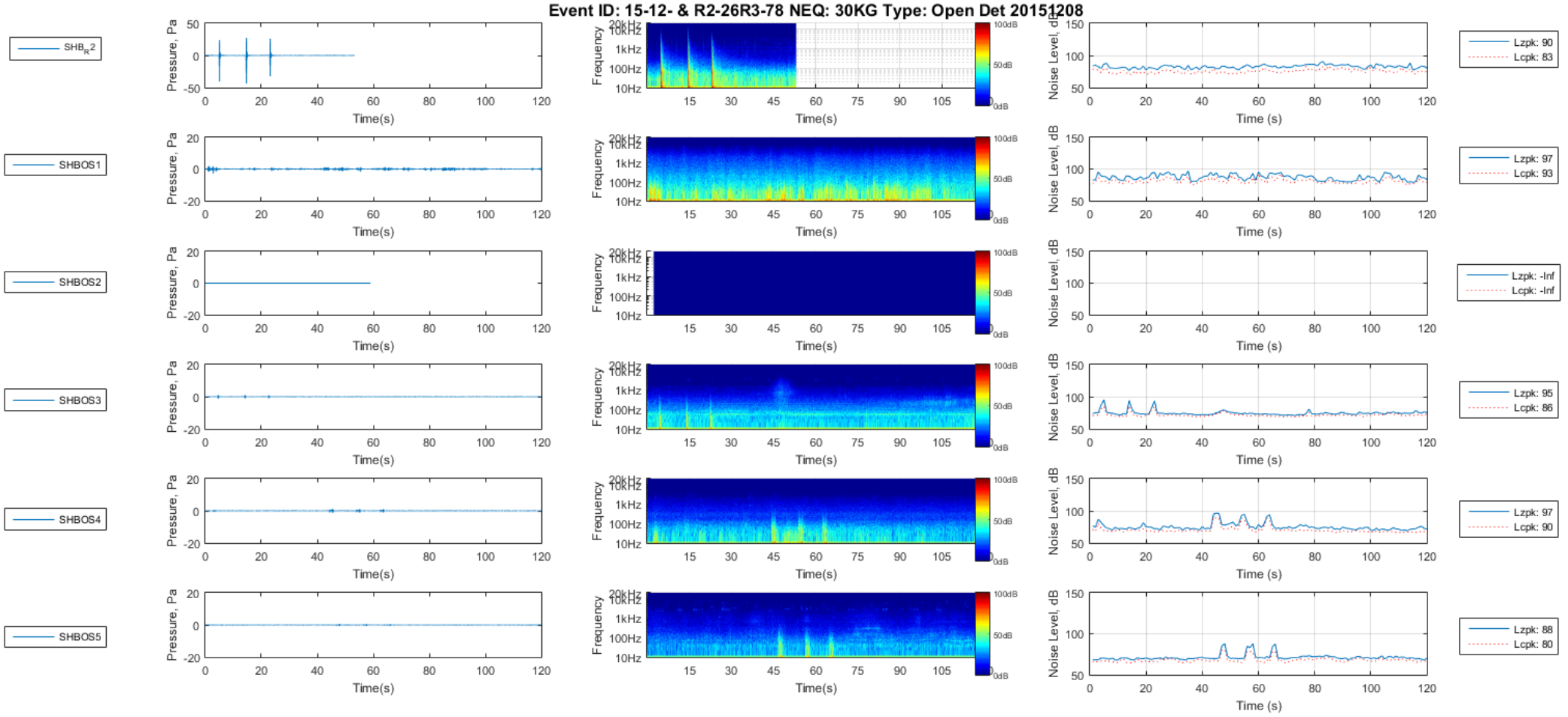


FIGURE 2.1931: SHB_OS 1 - 5 15-12- & R2-26R3-78

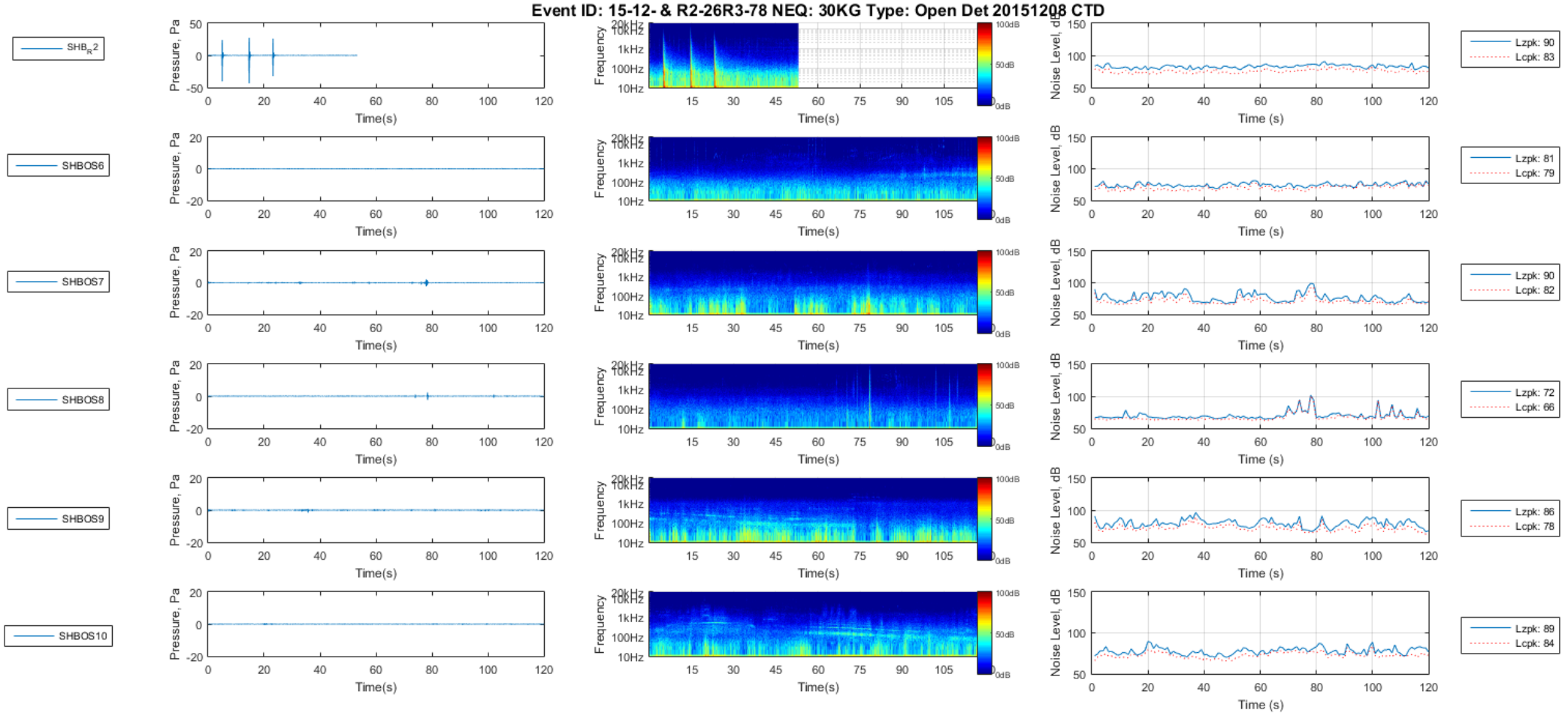


FIGURE 2.1932: SHB_OS 6 - 10 15-12- & R2-26R3-78

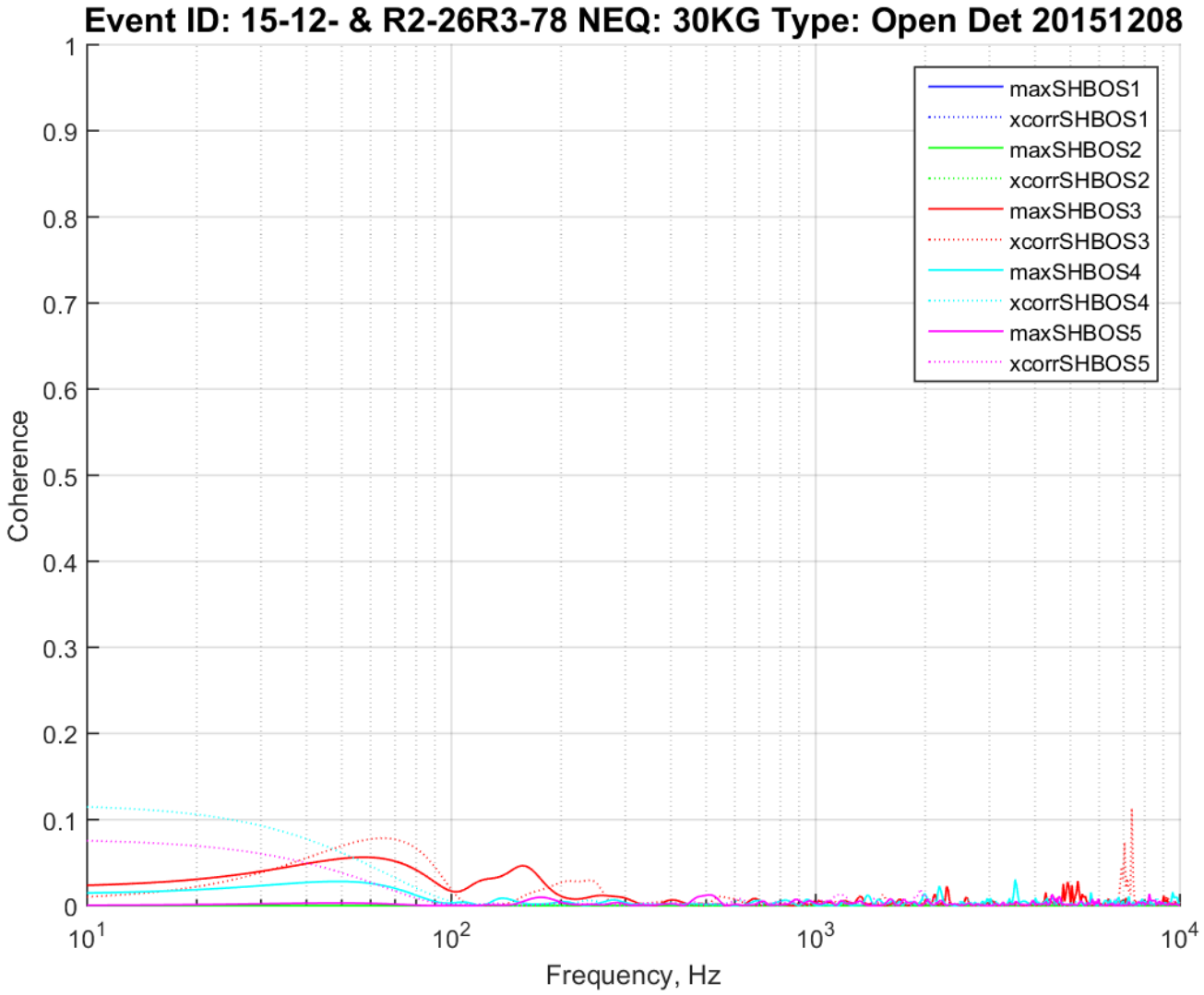


FIGURE 2.1933: COHERENCE SHB_OS 1 - 5 15-12- & R2-26R3-78

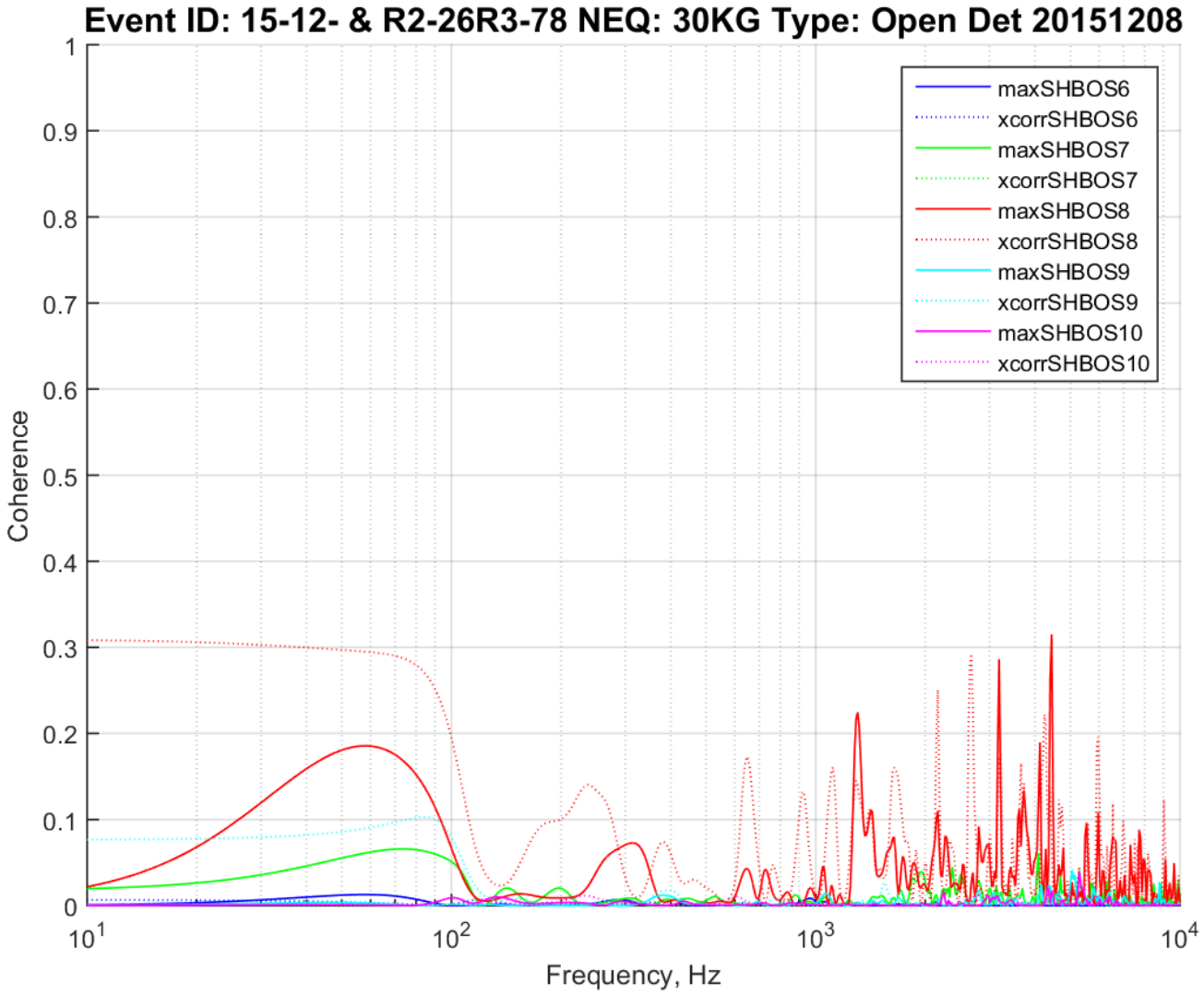


FIGURE 2.1934: COHERENCE SHB_OS 6 - 10 15-12- & R2-26R3-78CTD

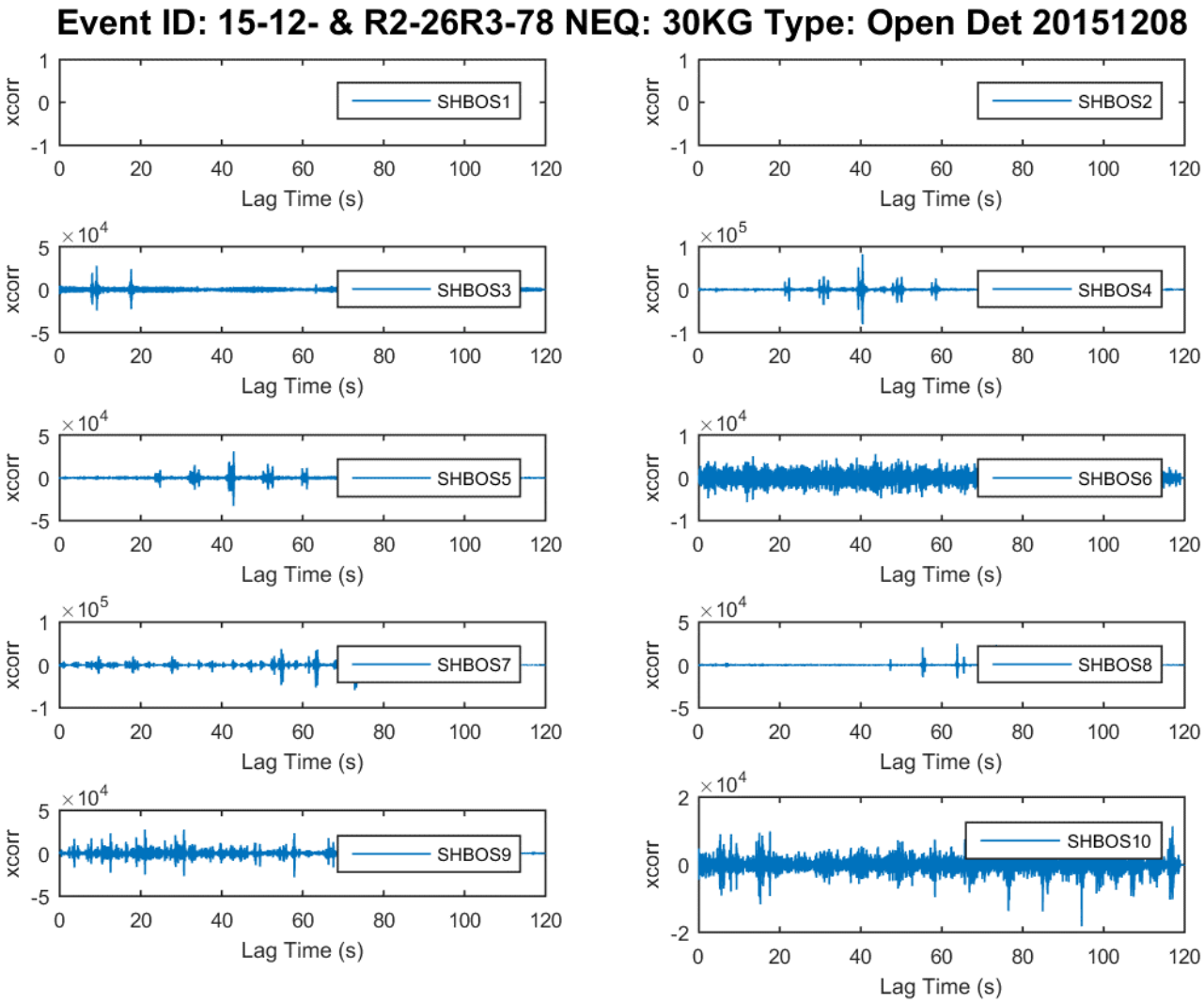


FIGURE 2.1935: CROSS CORRELATION SHB_OS 1 - 10 15-12- & R2-26R3-78

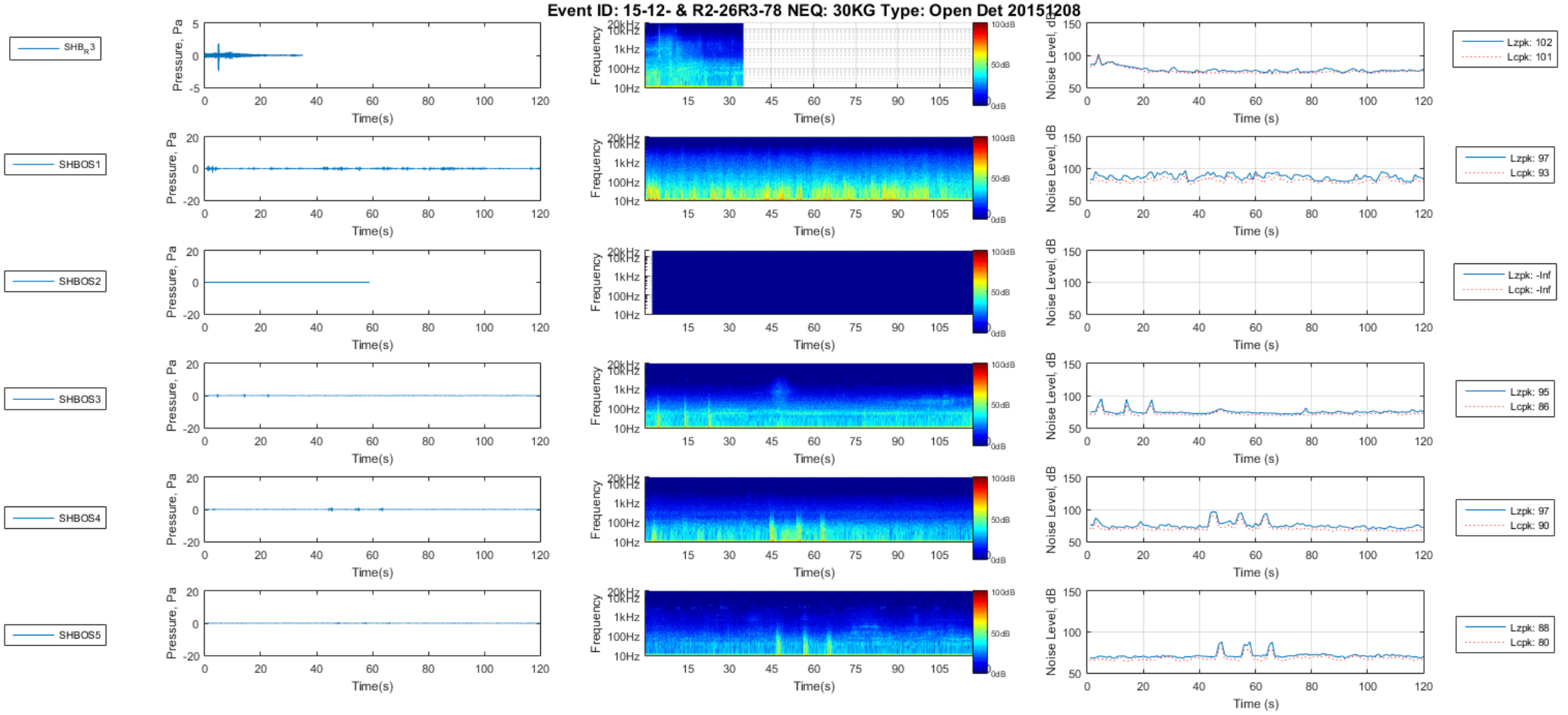


FIGURE 2.1936: SHB_OS 1 - 5 15-12- & R2-26R3-78

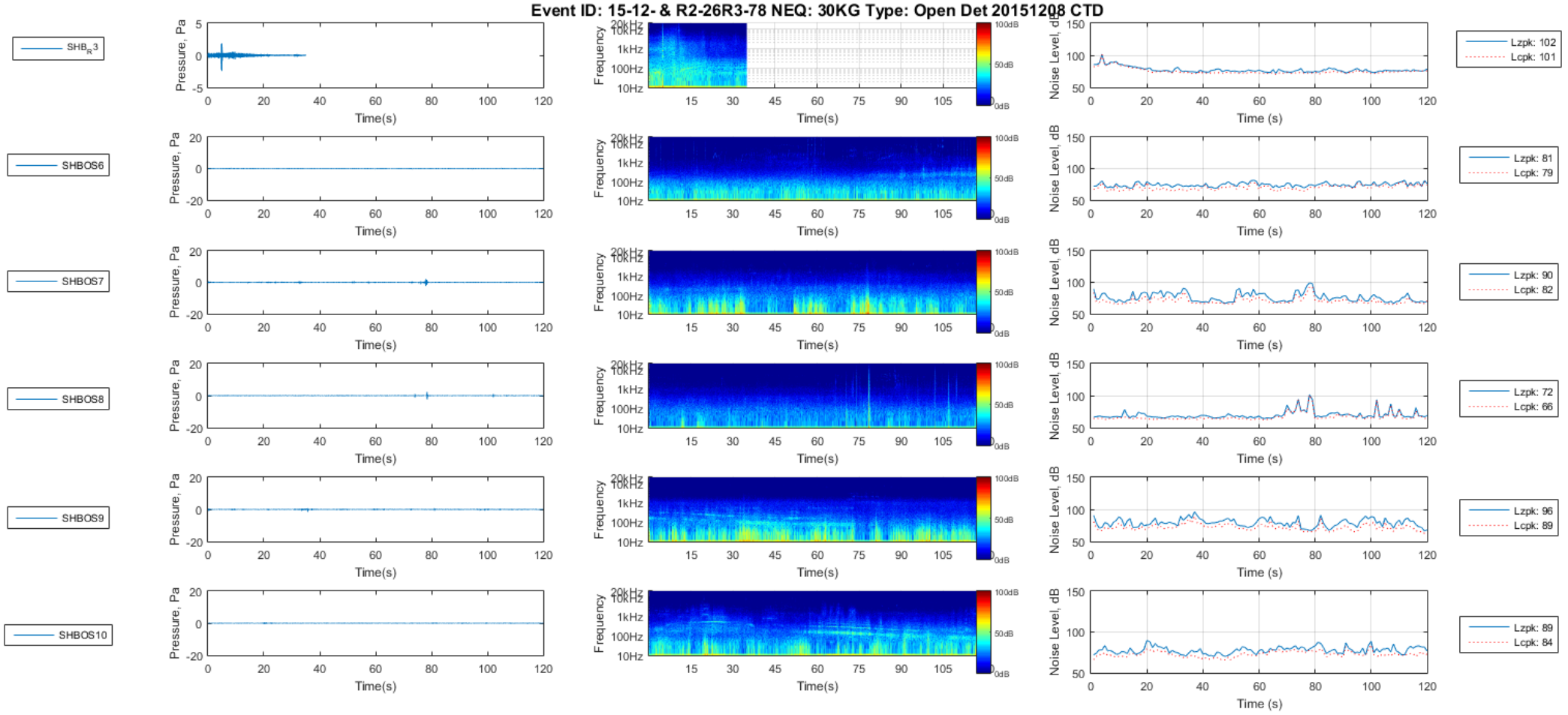


FIGURE 2.1937: SHB_OS 6 - 10 15-12- & R2-26R3-78

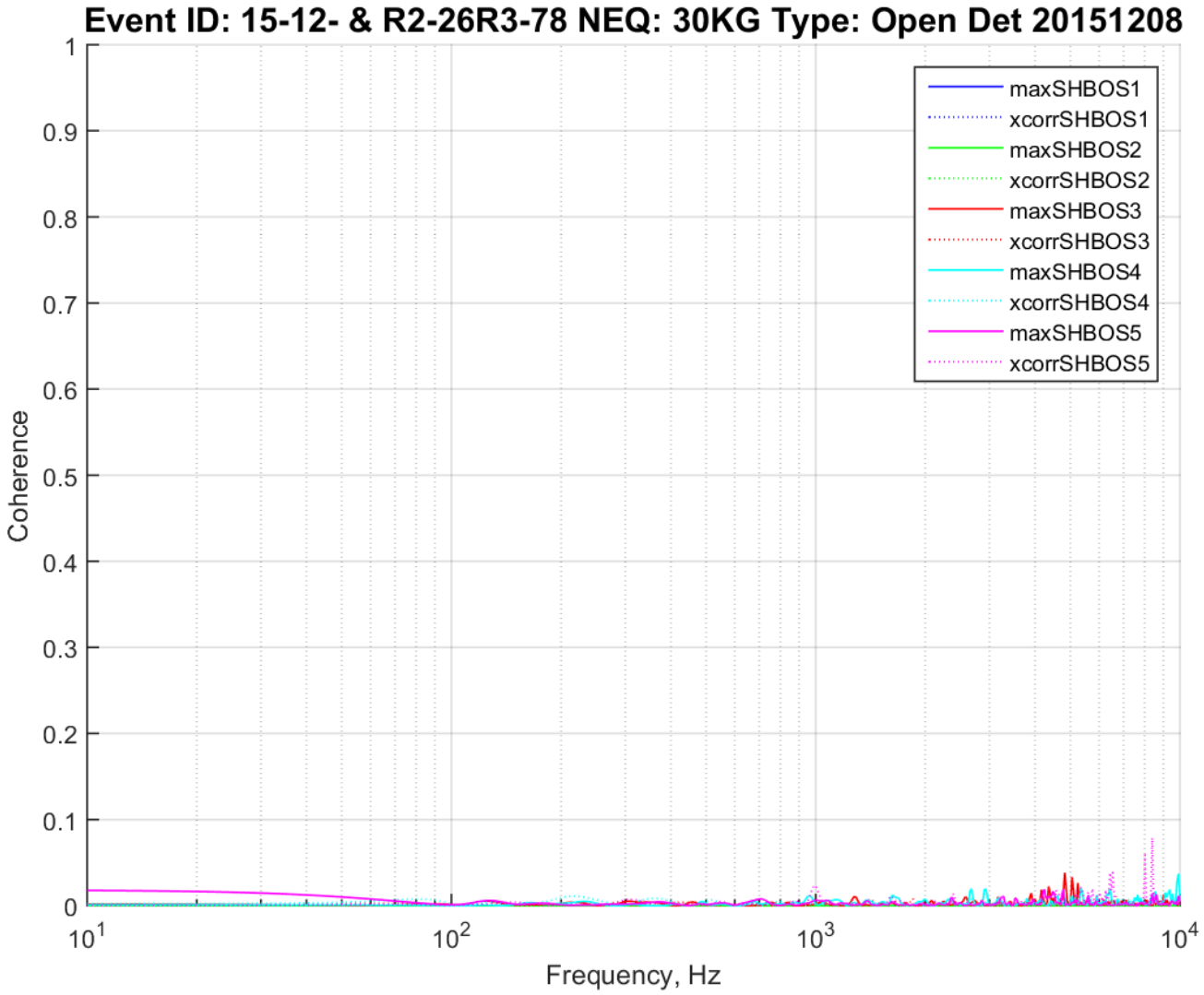


FIGURE 2.1938: COHERENCE SHB_OS 1 - 5 15-12- & R2-26R3-78

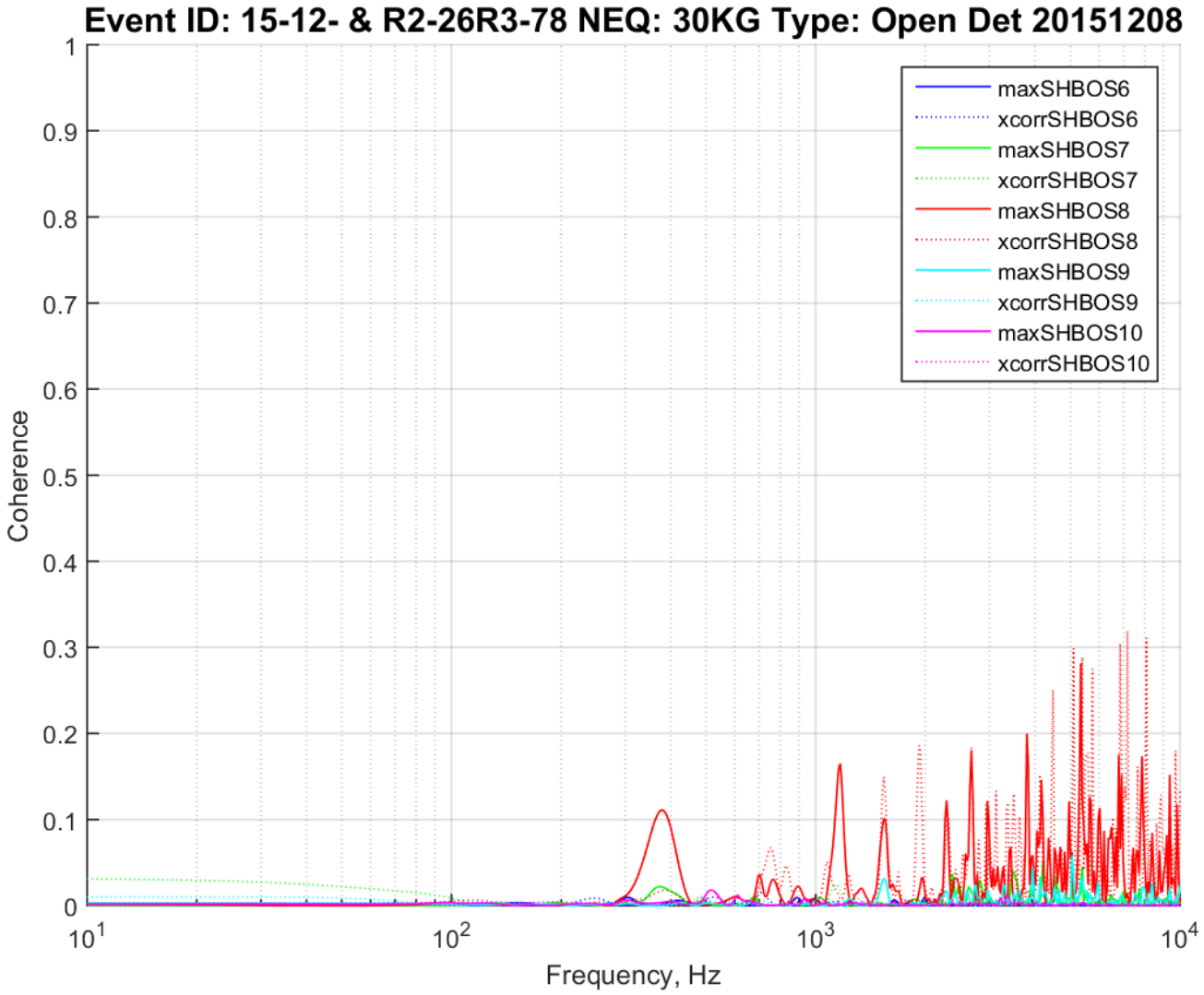


FIGURE 2.1939: COHERENCE SHB_OS 6 - 10 15-12- & R2-26R3-78CTD

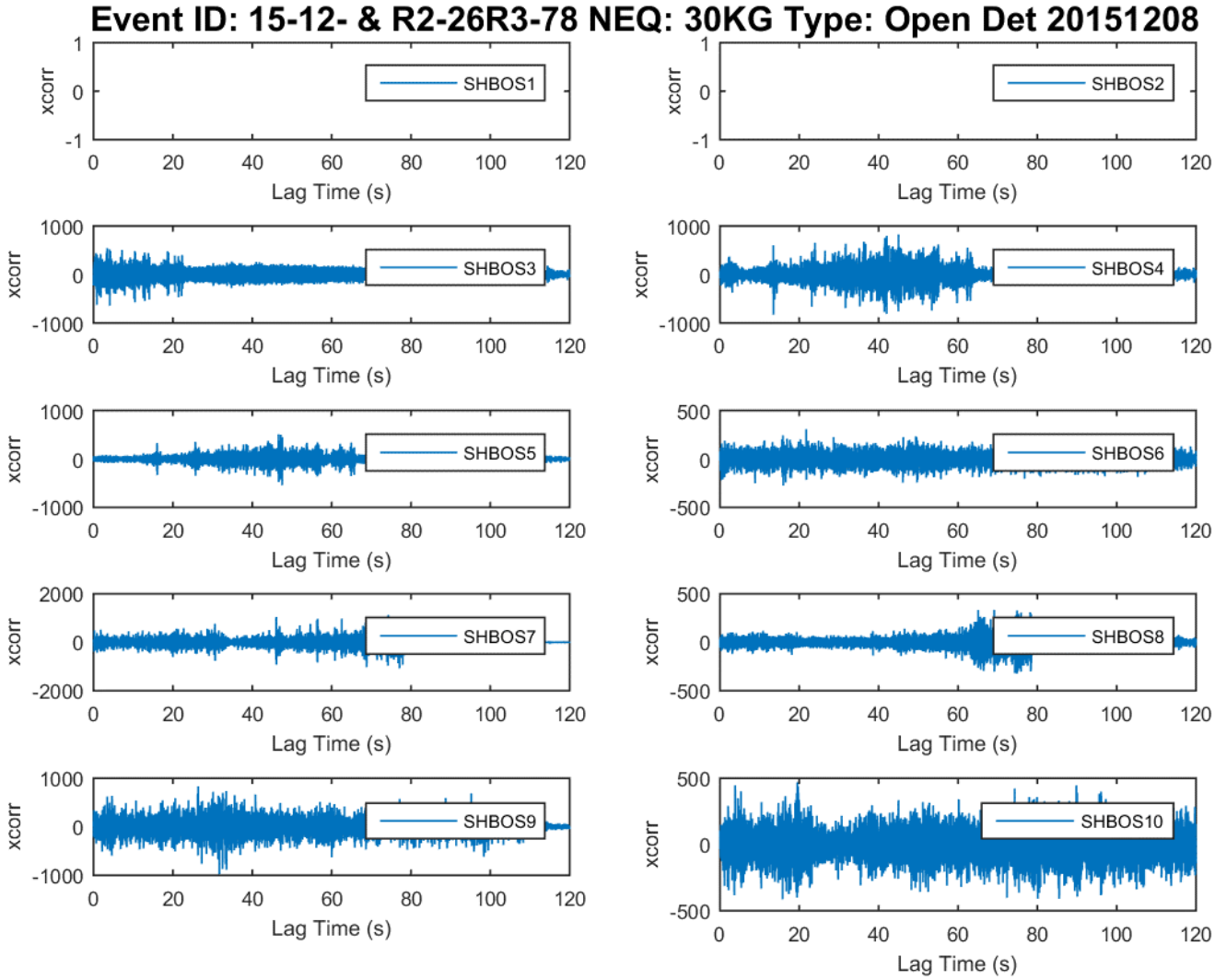


FIGURE 2.1940: CROSS CORRELATION SHB_OS 1 - 10 15-12- & R2-26R3-78

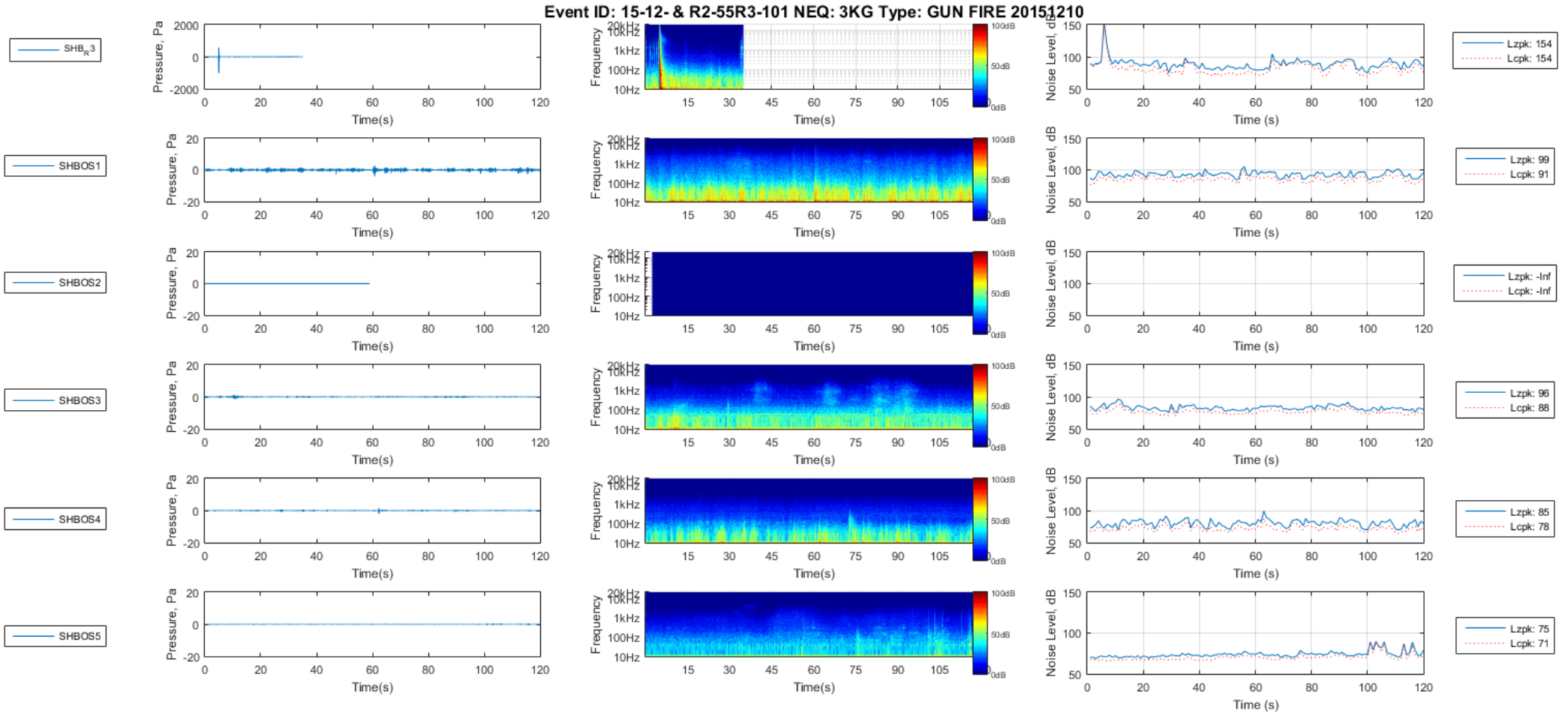


FIGURE 2.1941: SHB_OS 1 - 5 15-12- & R2-55R3-101

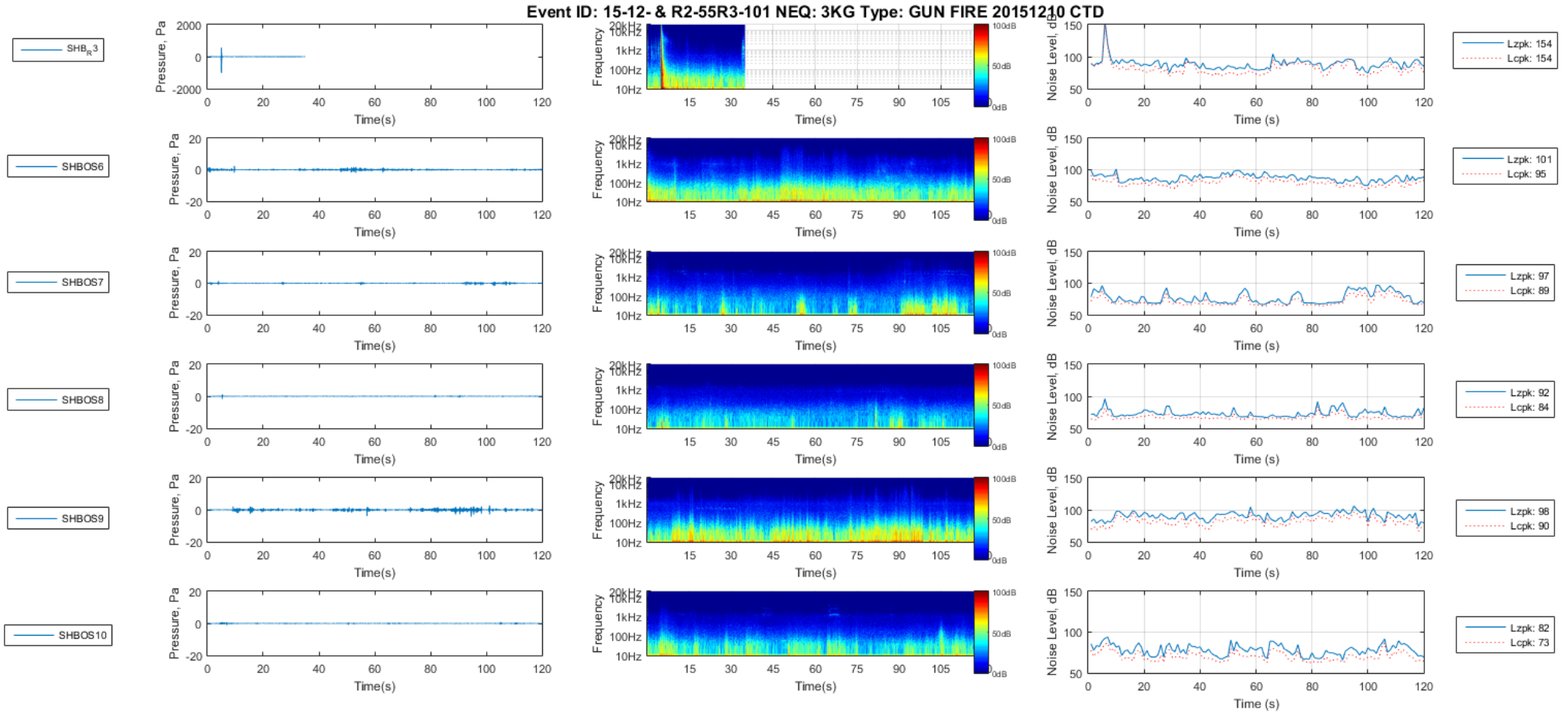


FIGURE 2.1942: SHB_OS 6 - 10 15-12- & R2-55R3-101

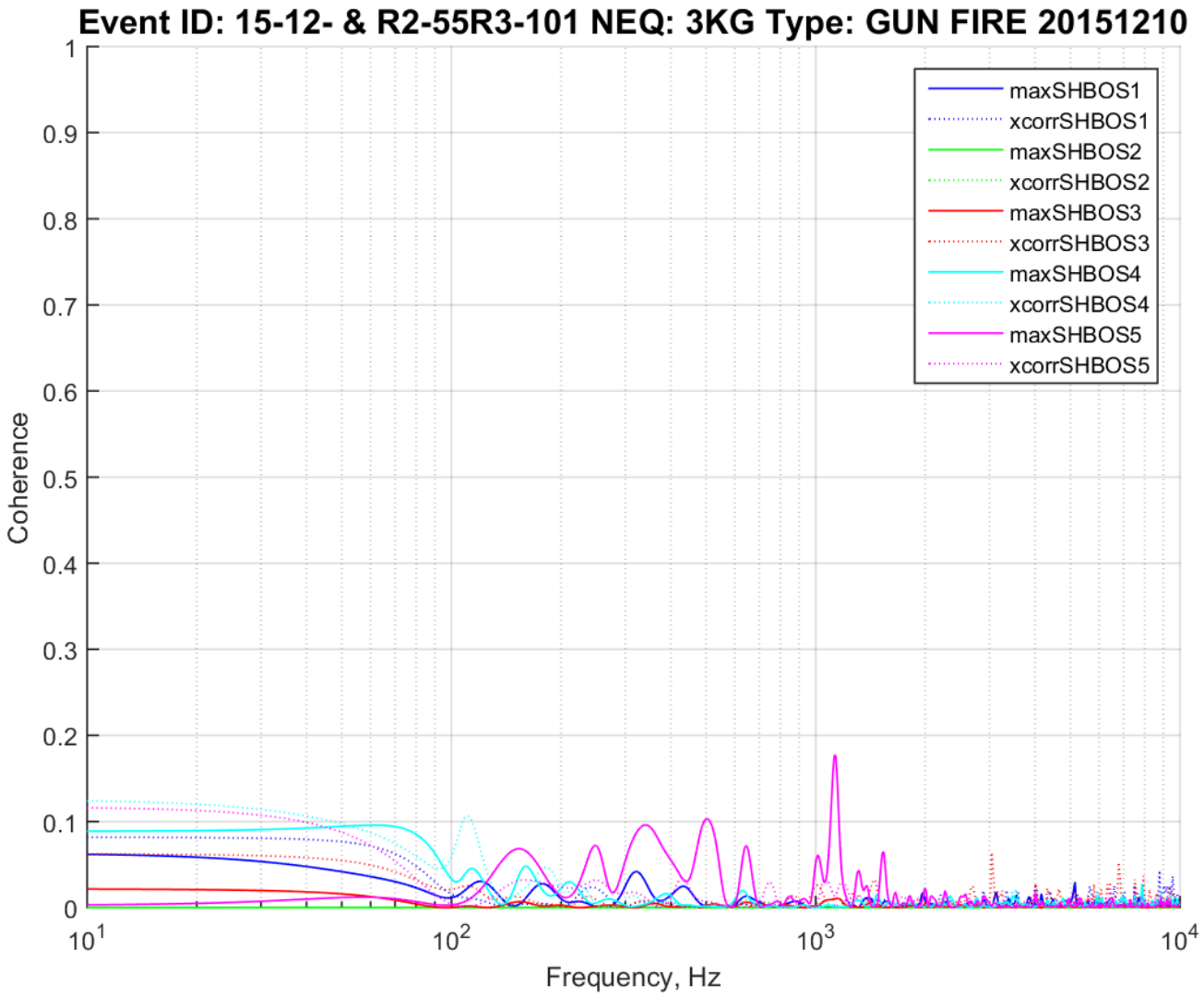


FIGURE 2.1943: COHERENCE SHB_OS 1 - 5 15-12- & R2-55R3-101

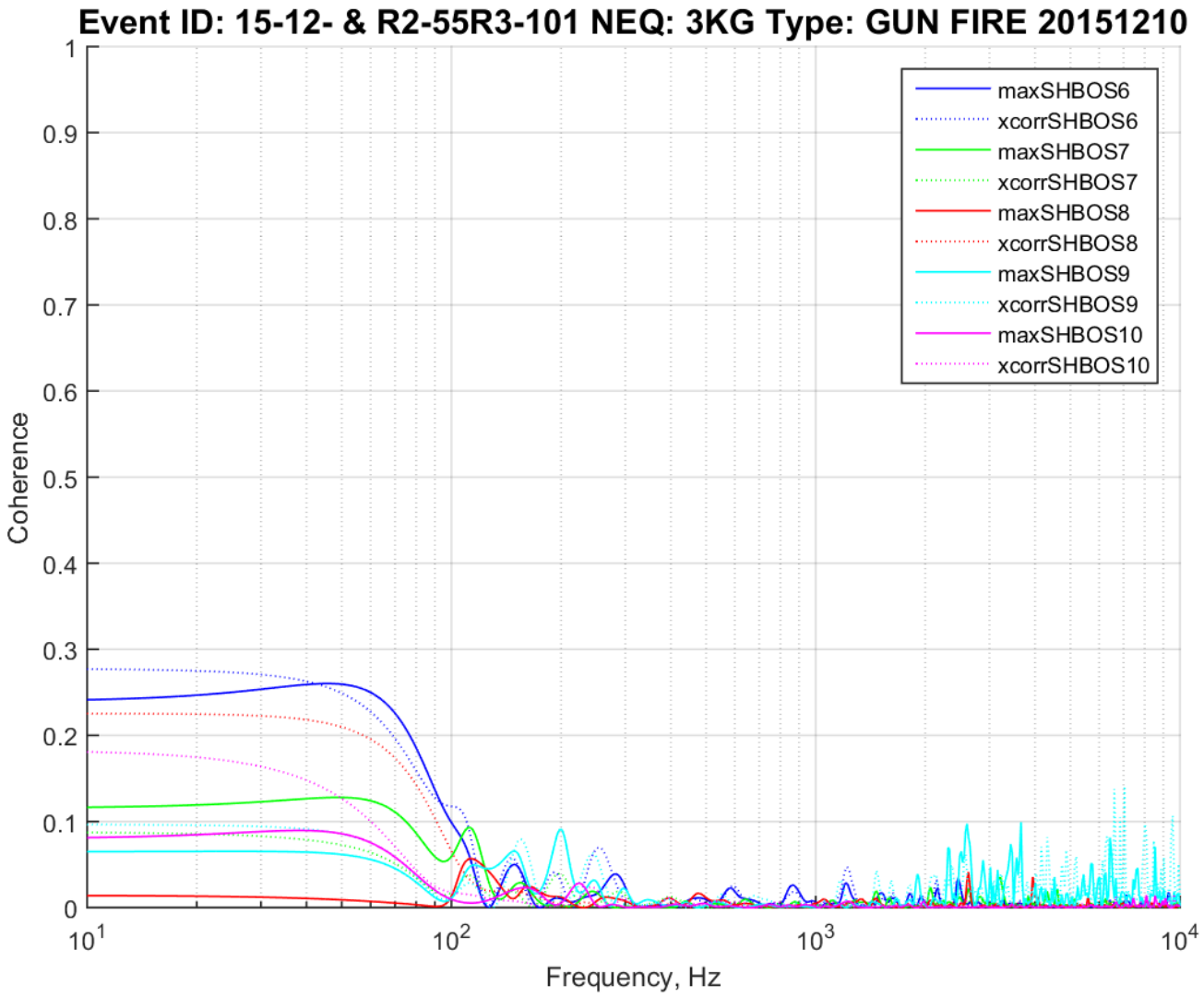


FIGURE 2.1944: COHERENCE SHB_OS 6 - 10 15-12- & R2-55R3-101CTD

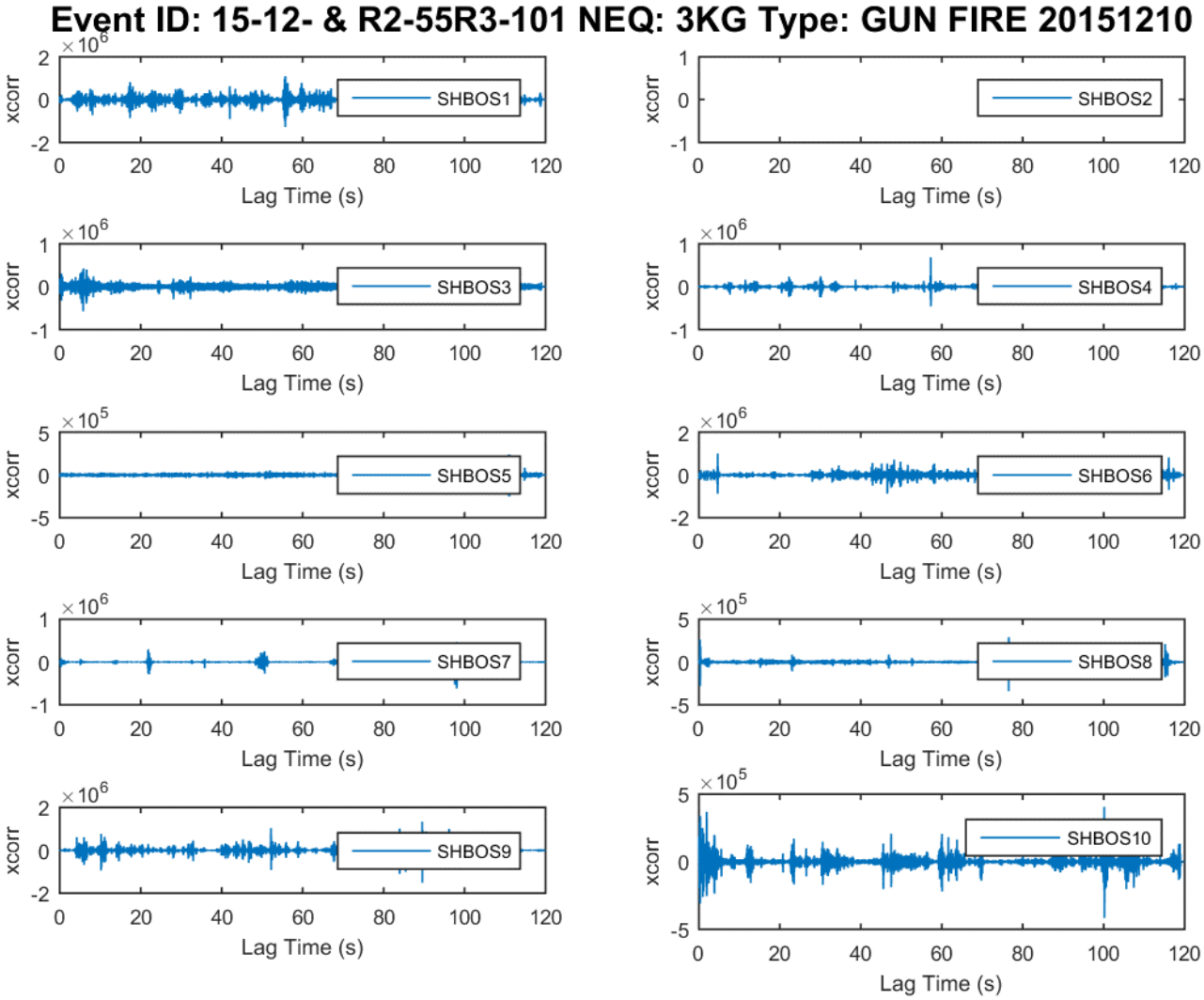
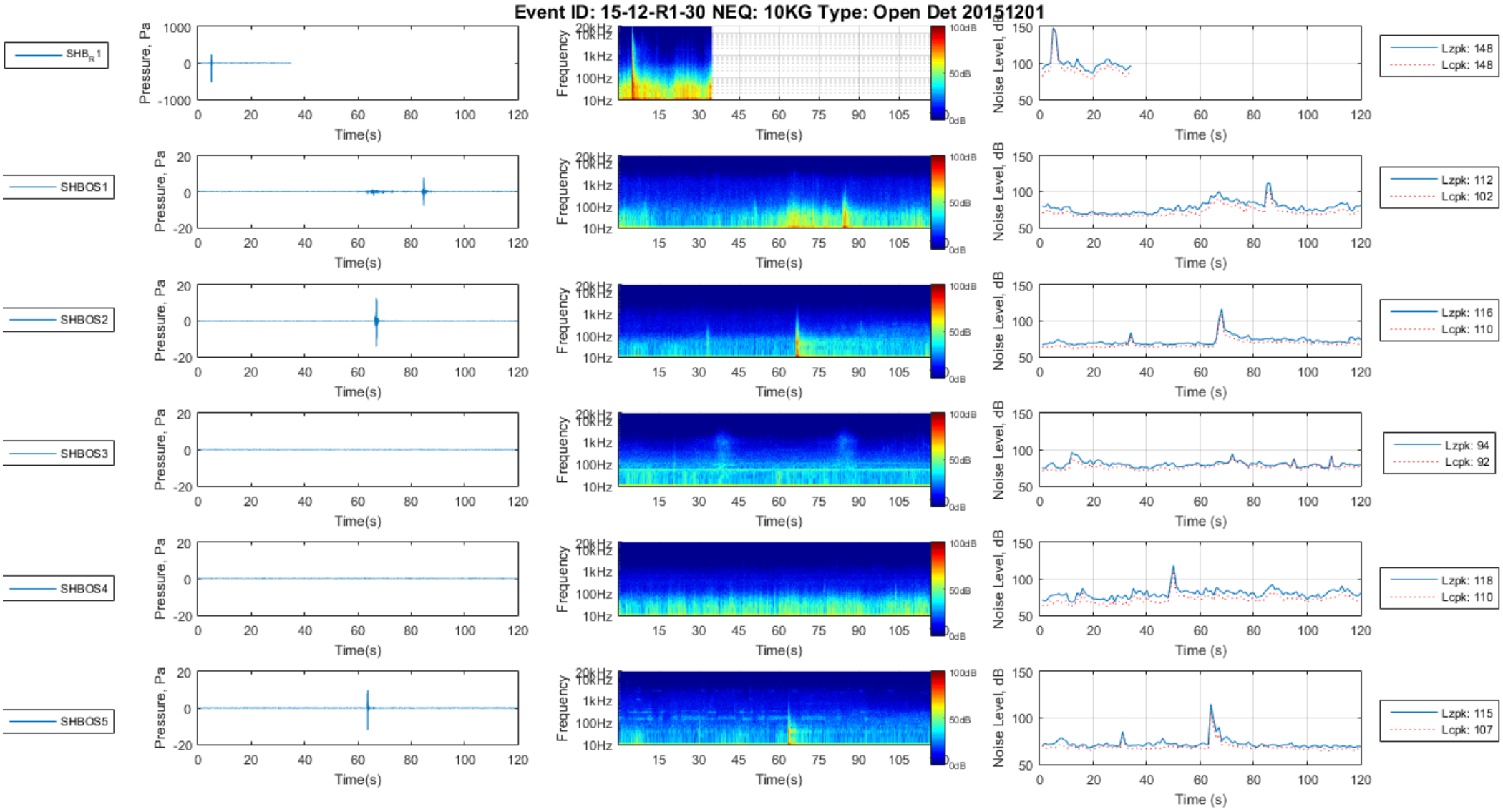
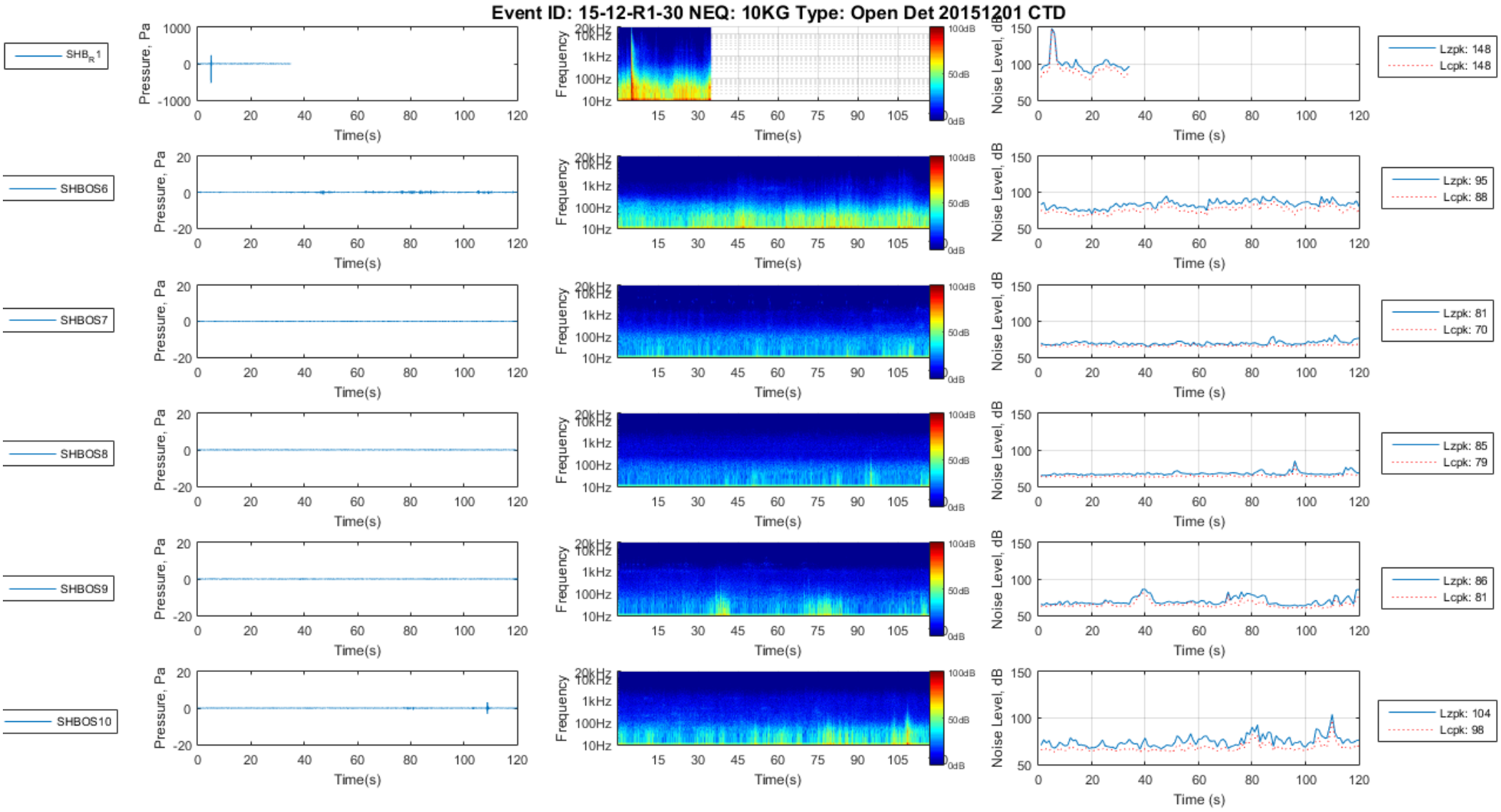


FIGURE 2.1945: CROSS CORRELATION SHB_OS 1 - 10 15-12- & R2-55R3-101


Event ID: 15-12-R1-30 NEQ: 10KG Type: Open Det 20151201
SHB_R 1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 148
Lcpk: 148
Lzpk: 112
Lcpk: 102
Lzpk: 116
Lcpk: 110
Lzpk: 94
Lcpk: 92
Lzpk: 118
Lcpk: 110
Lzpk: 115
Lcpk: 107


Event ID: 15-12-R1-30 NEQ: 10KG Type: Open Det 20151201 CTD
SHB$_R$ [1]
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 148
Lcpk: 148
Lzpk: 95
Lcpk: 88
Lzpk: 81
Lcpk: 70
Lzpk: 85
Lcpk: 79
Lzpk: 86
Lcpk: 81
Lzpk: 104
Lcpk: 98

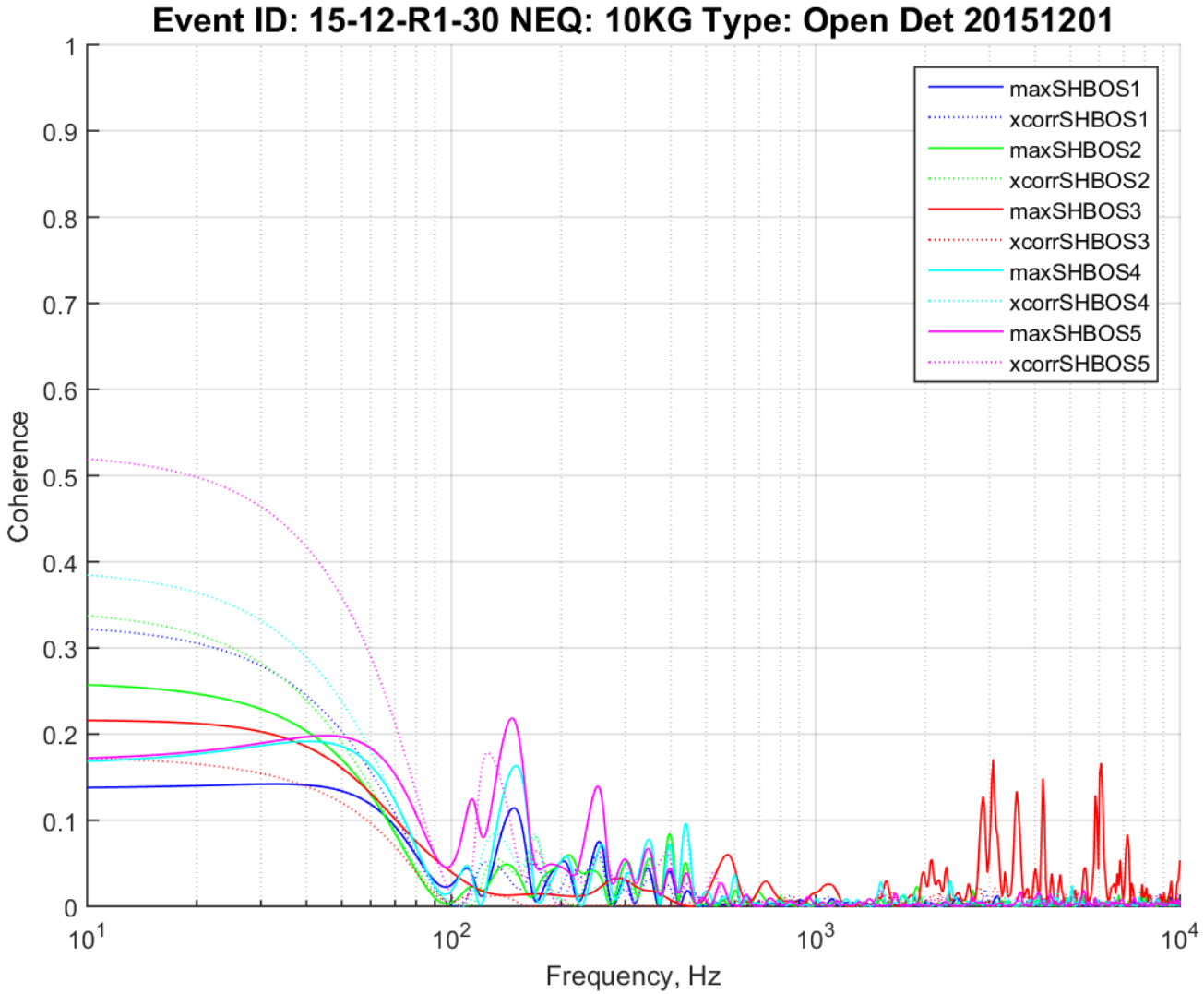


FIGURE 2.1948: COHERENCE SHB_OS 1 - 5 15-12-R1-30

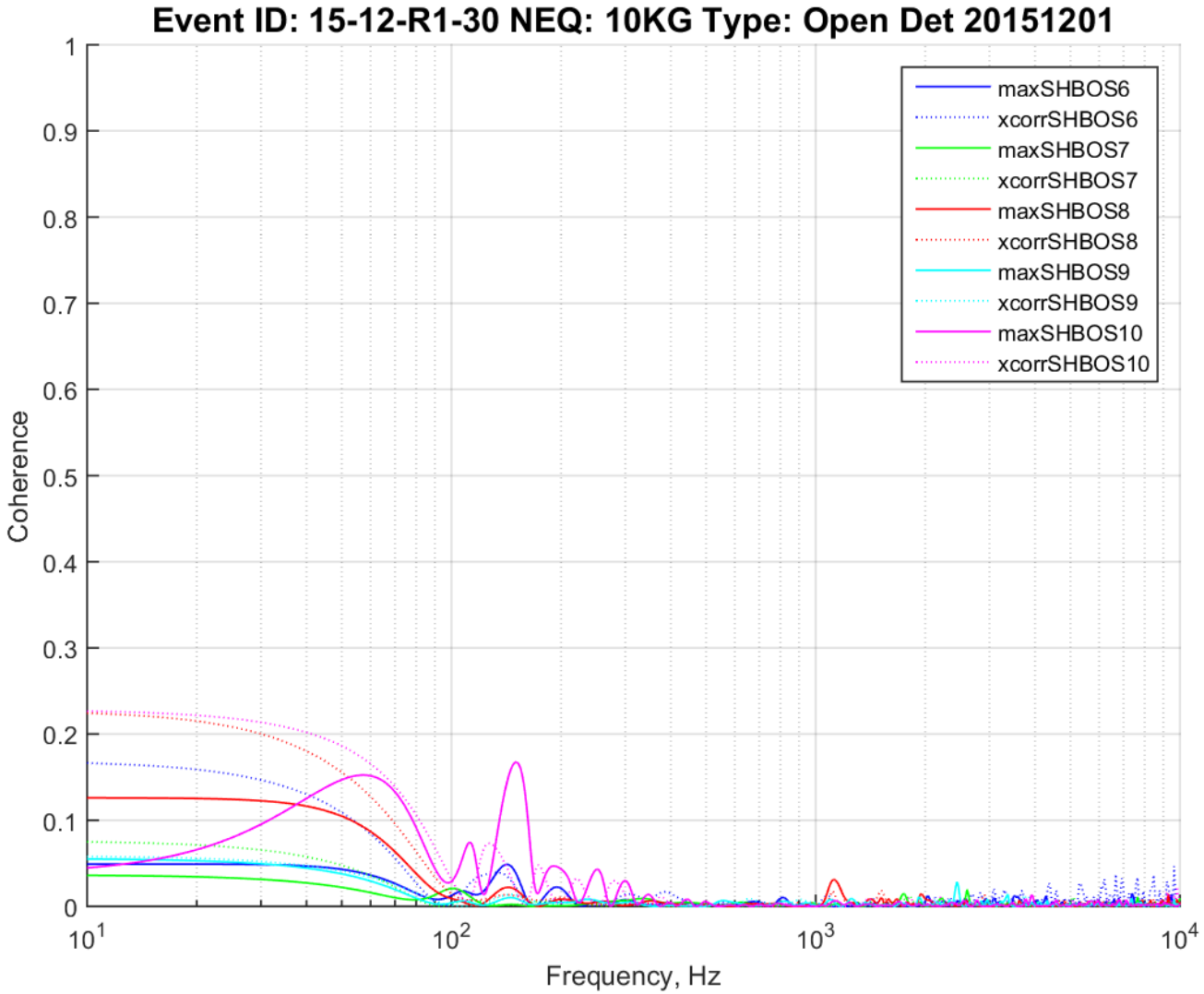


FIGURE 2.1949: COHERENCE SHB_OS 6 - 10 15-12-R1-30CTD

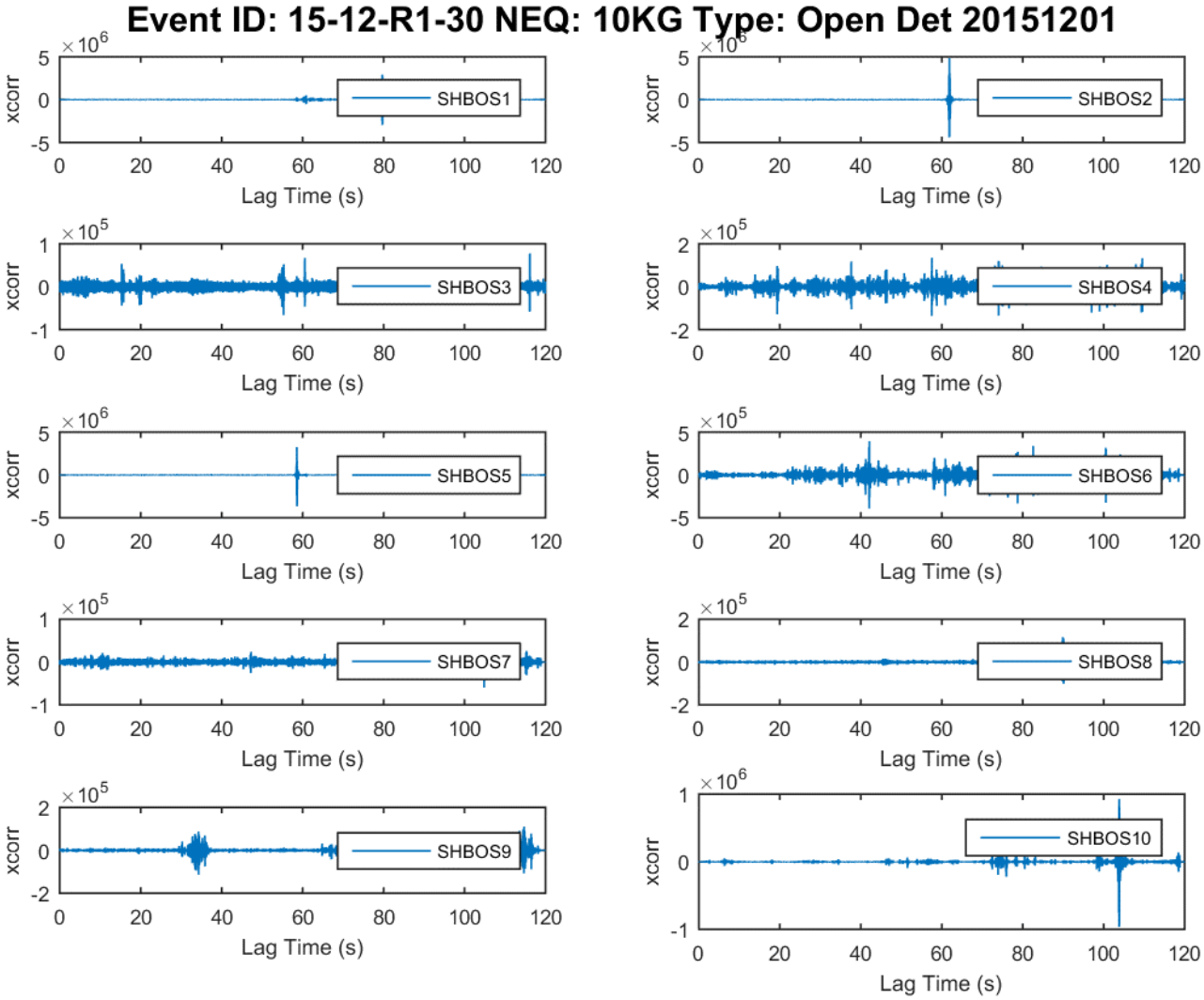
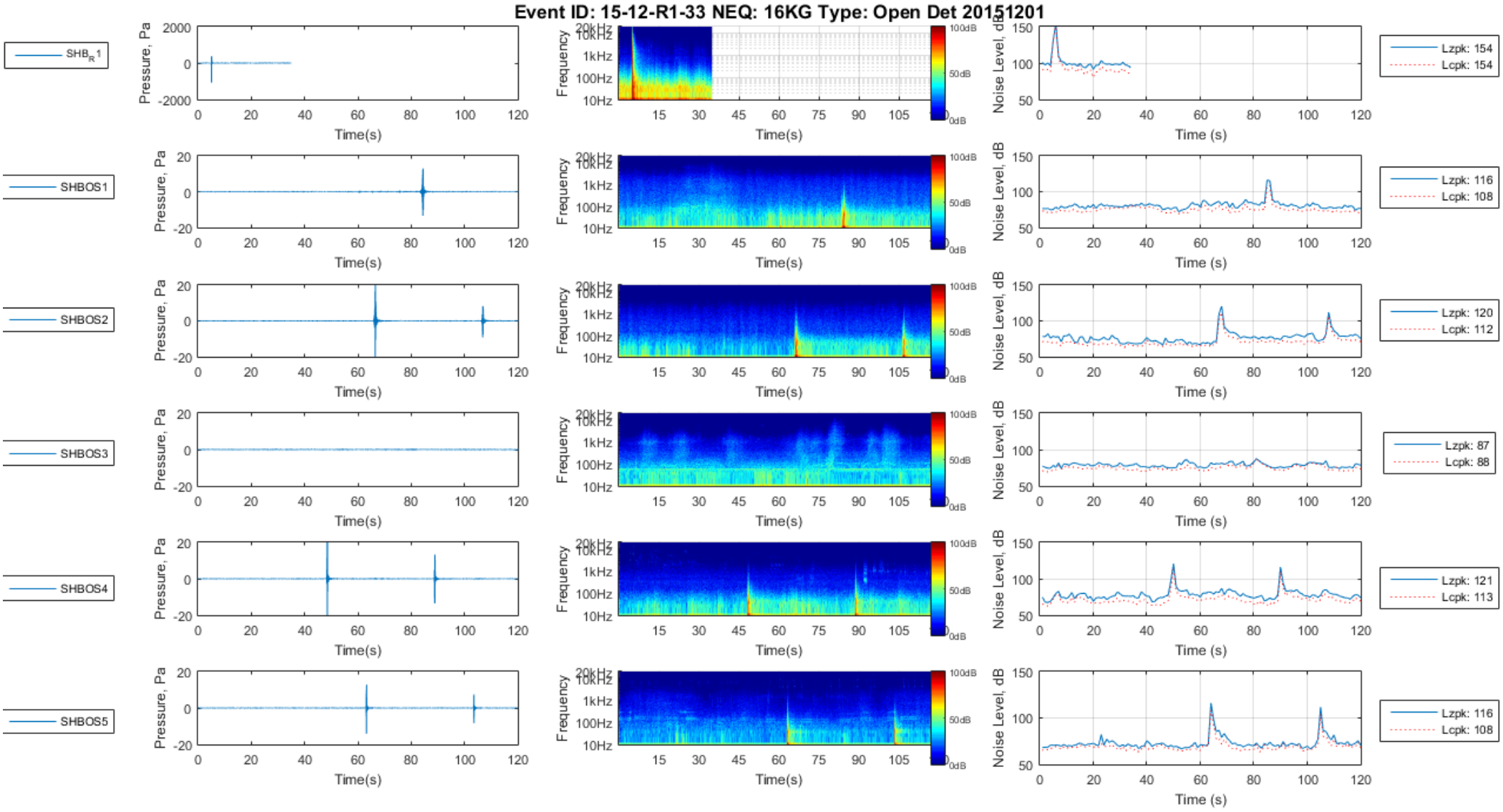
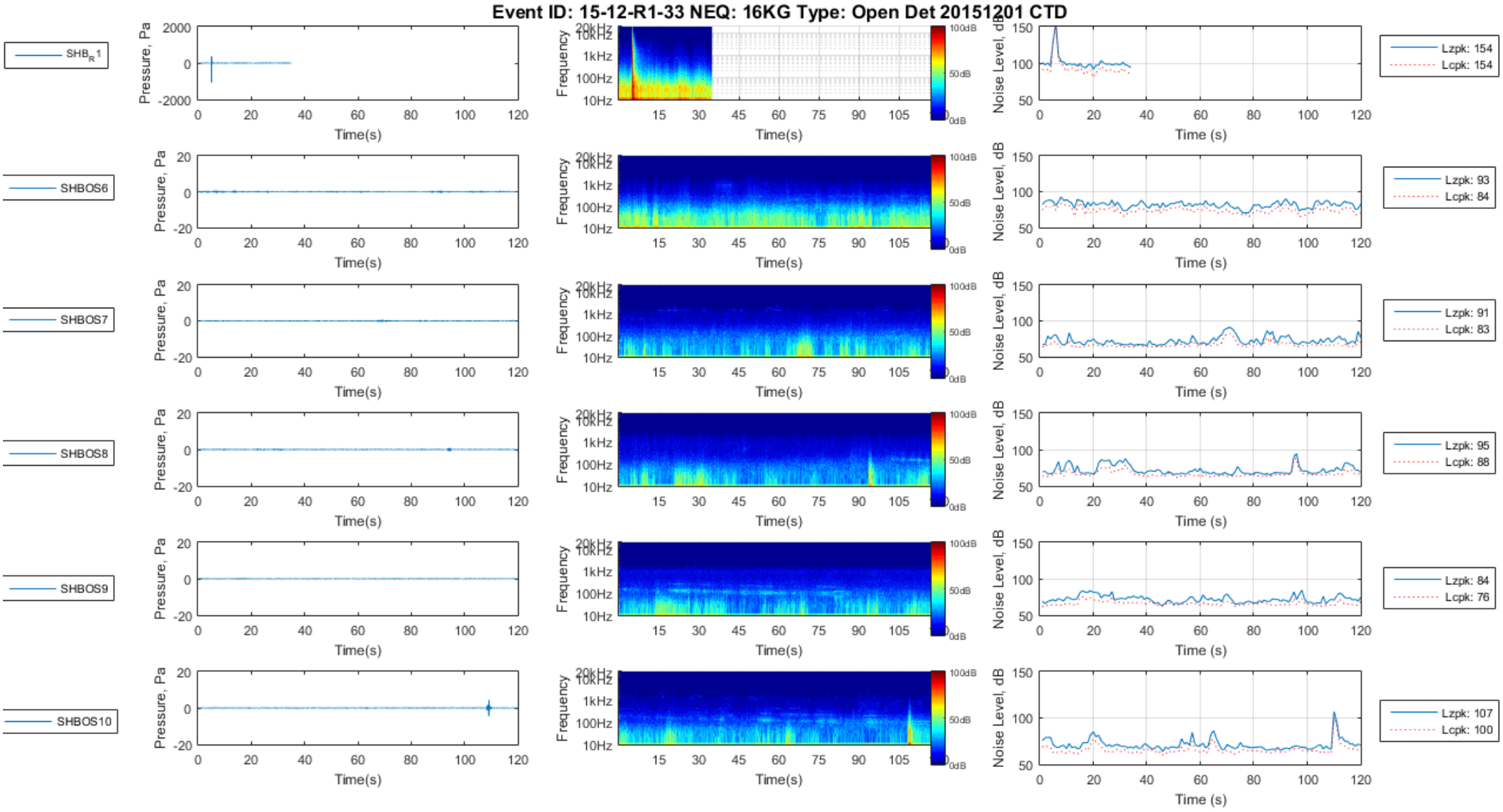


FIGURE 2.1950: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-30


Event ID: 15-12-R1-33 NEQ: 16KG Type: Open Det 20151201
SHB_R 1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 154
Lcpk: 154
Lzpk: 116
Lcpk: 108
Lzpk: 120
Lcpk: 112
Lzpk: 87
Lcpk: 88
Lzpk: 121
Lcpk: 113
Lzpk: 116
Lcpk: 108


Event ID: 15-12-R1-33 NEQ: 16KG Type: Open Det 20151201 CTD
SHB_R 1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Frequency
Noise Level, dB
Time(s)
Time (s)
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Lzpk: 154
Lcpk: 154
Lzpk: 93
Lcpk: 84
Lzpk: 91
Lcpk: 83
Lzpk: 95
Lcpk: 88
Lzpk: 84
Lcpk: 76
Lzpk: 107
Lcpk: 100

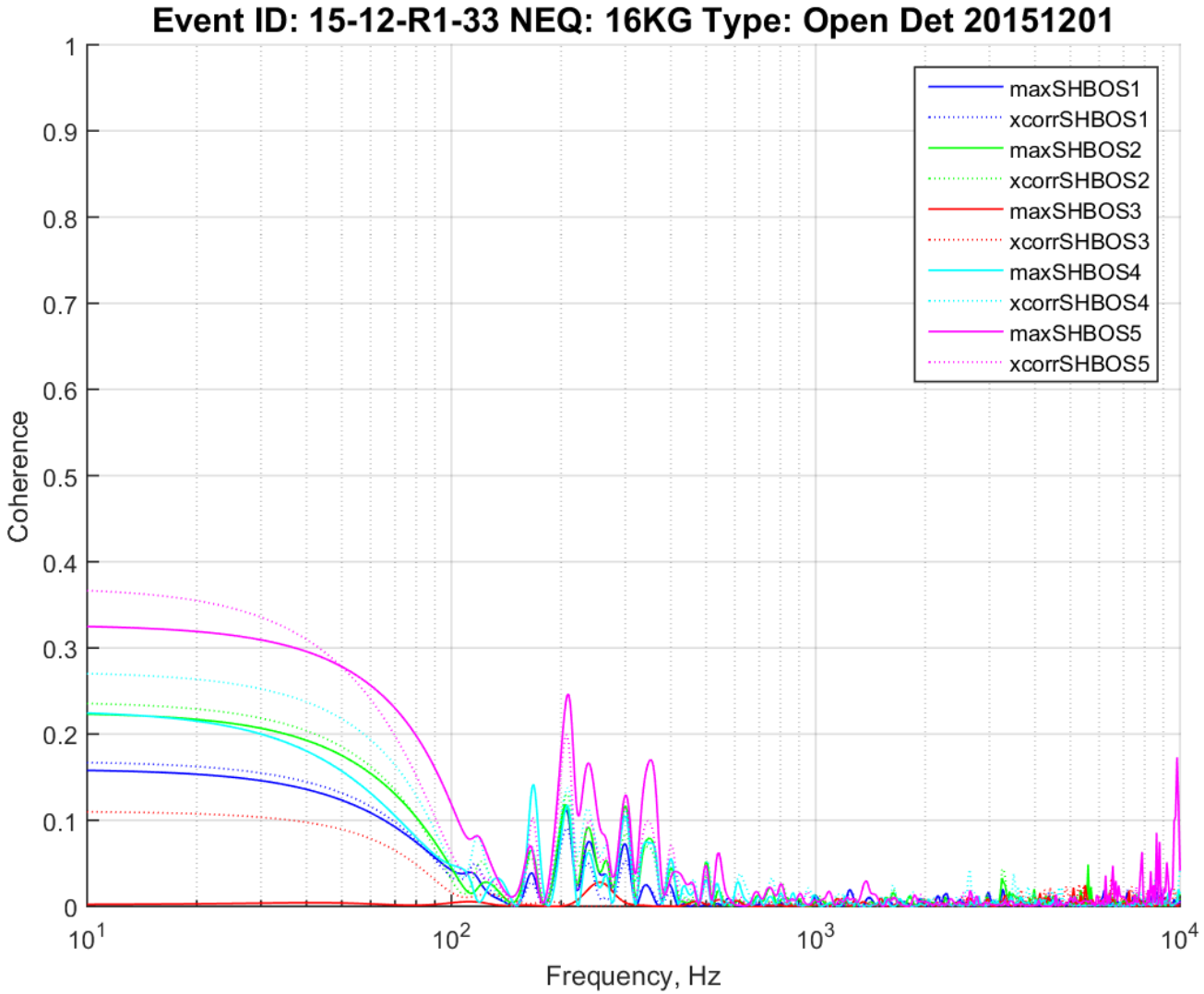


FIGURE 2.1953: COHERENCE SHB_OS 1 - 5 15-12-R1-33

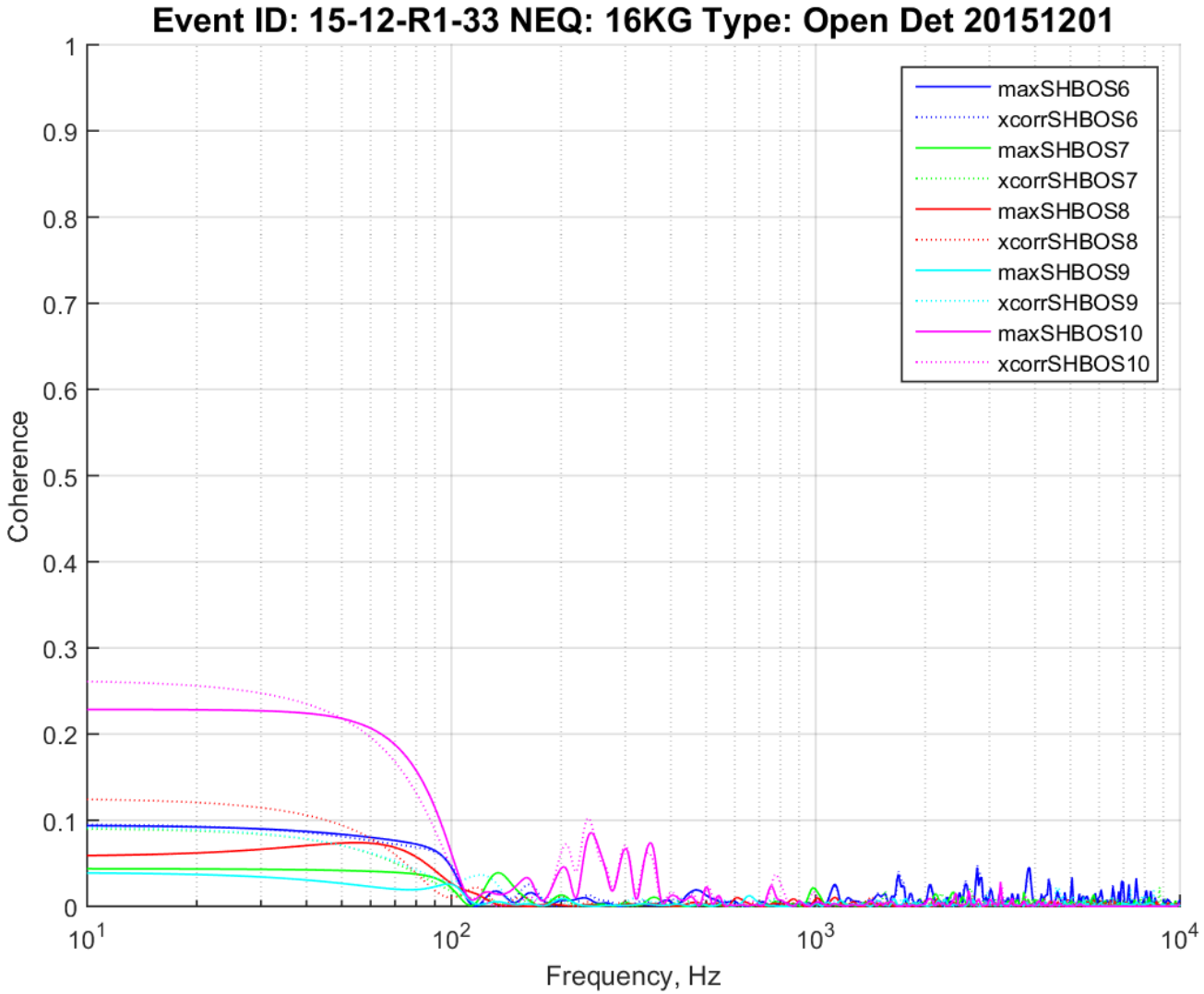


FIGURE 2.1954: COHERENCE SHB_OS 6 - 10 15-12-R1-33CTD

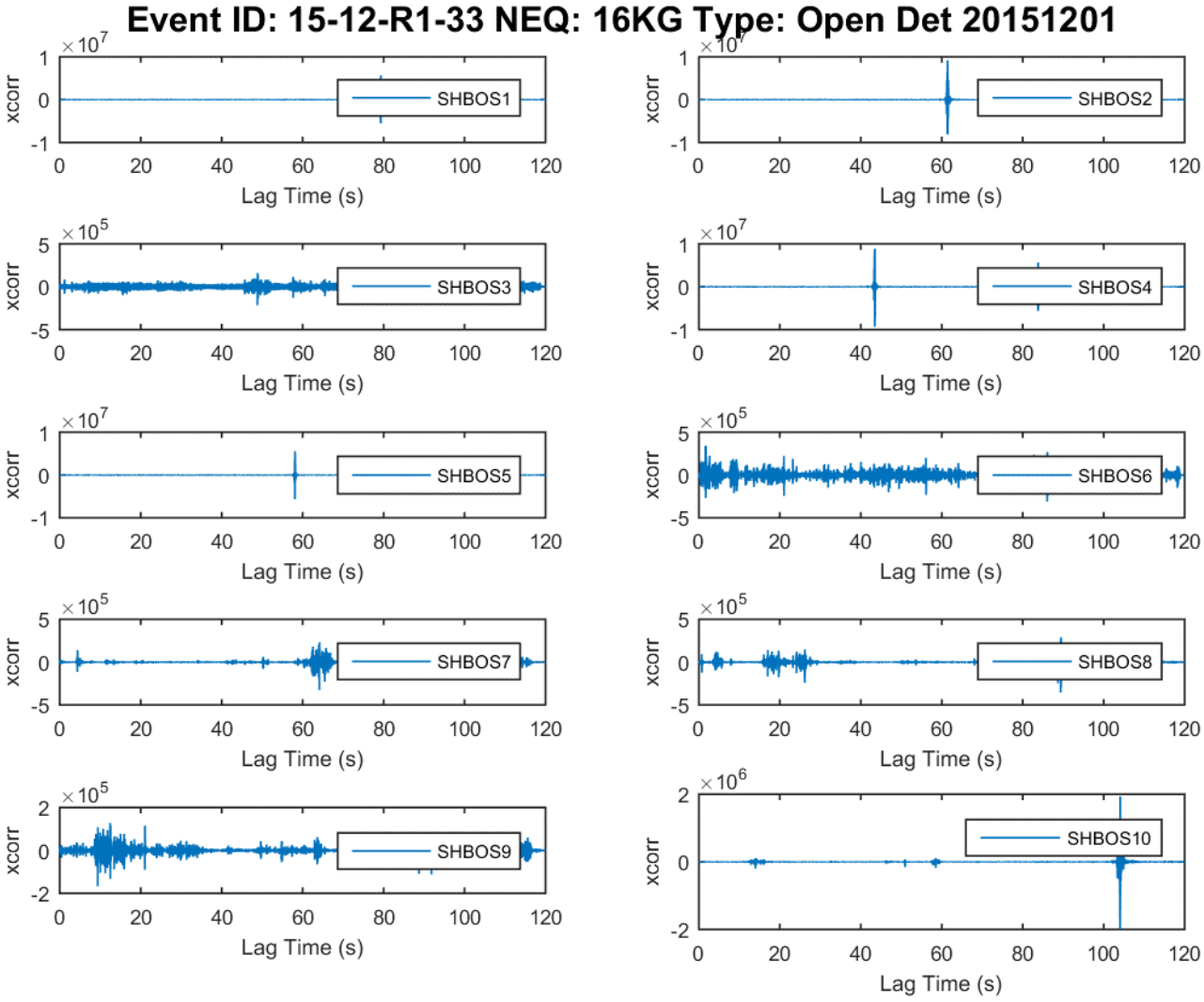
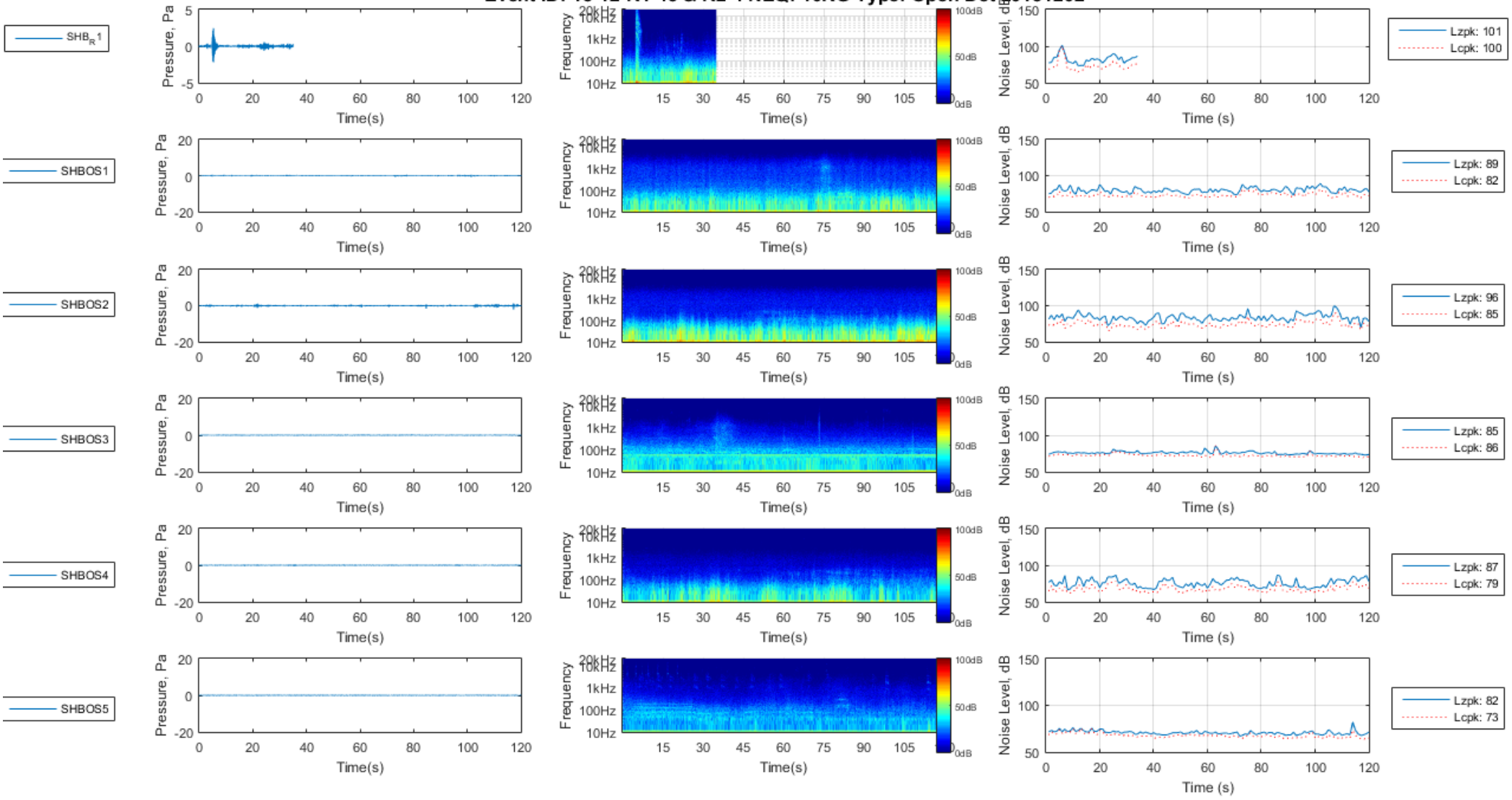
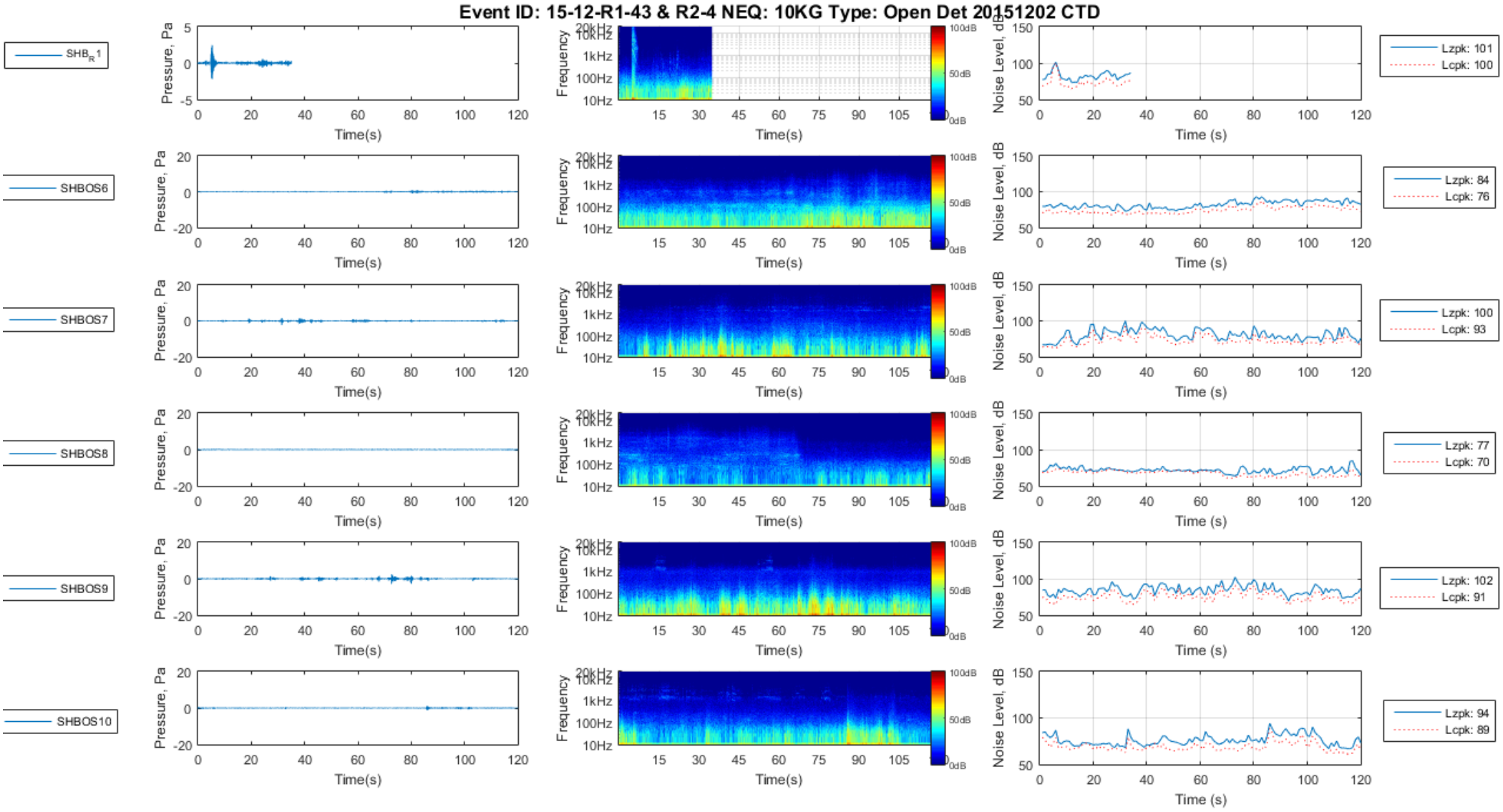


FIGURE 2.1955: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-33


Event ID: 15-12-R1-43 & R2-4 NEQ: 10KG Type: Open Det 20151202
SHB_R 1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 101
Lcpk: 100
Lzpk: 89
Lcpk: 82
Lzpk: 96
Lcpk: 85
Lzpk: 85
Lcpk: 86
Lzpk: 87
Lcpk: 79
Lzpk: 82
Lcpk: 73


Event ID: 15-12-R1-43 & R2-4 NEQ: 10KG Type: Open Det 20151202 CTD
SHB_R1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Frequency
Noise Level, dB
Time(s)
Time (s)
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Lzpk: 101
Lcpk: 100
Lzpk: 84
Lcpk: 76
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Lzpk: 102
Lcpk: 91
Lzpk: 94
Lcpk: 89

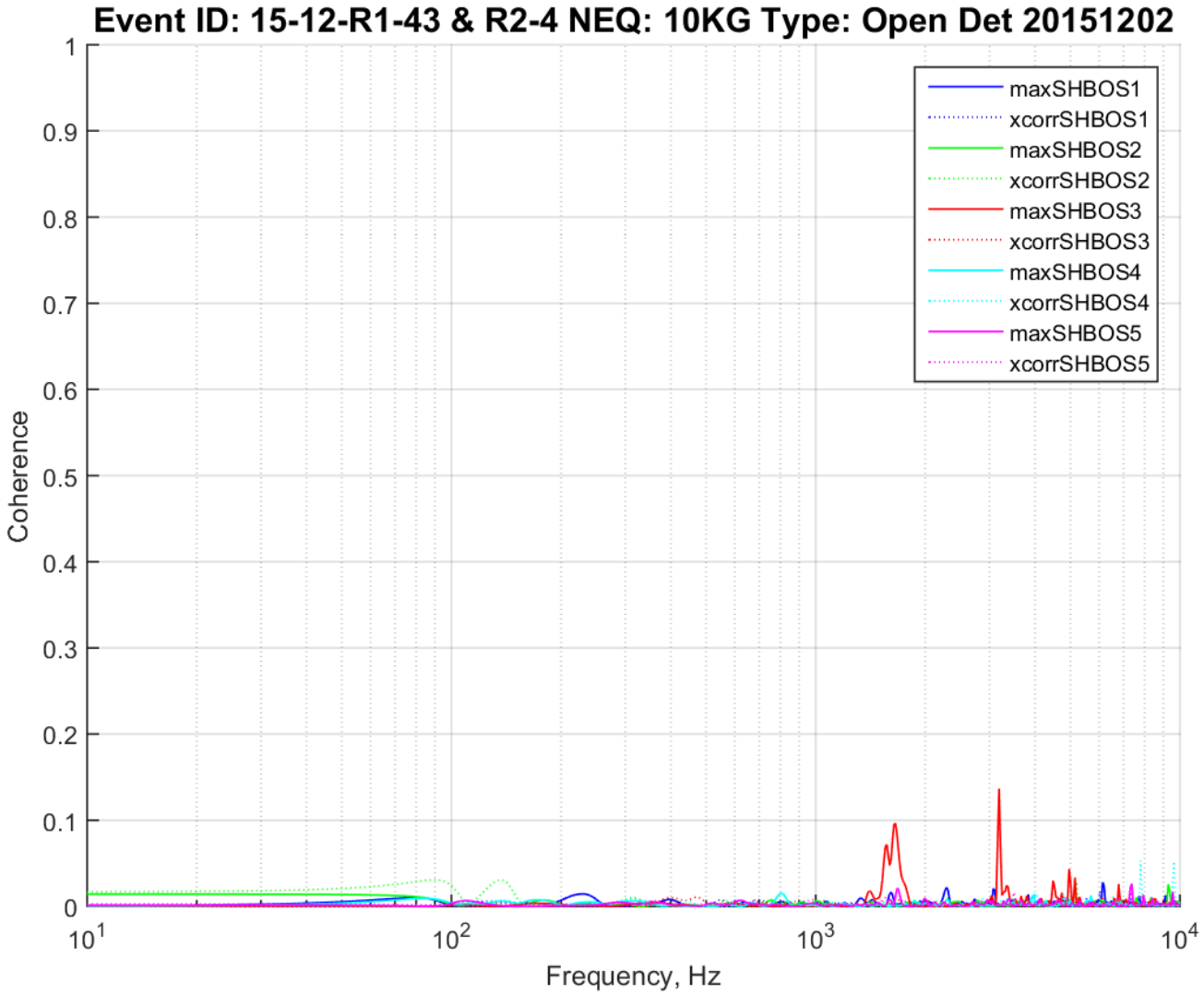


FIGURE 2.1958: COHERENCE SHB_OS 1 - 5 15-12-R1-43 & R2-4

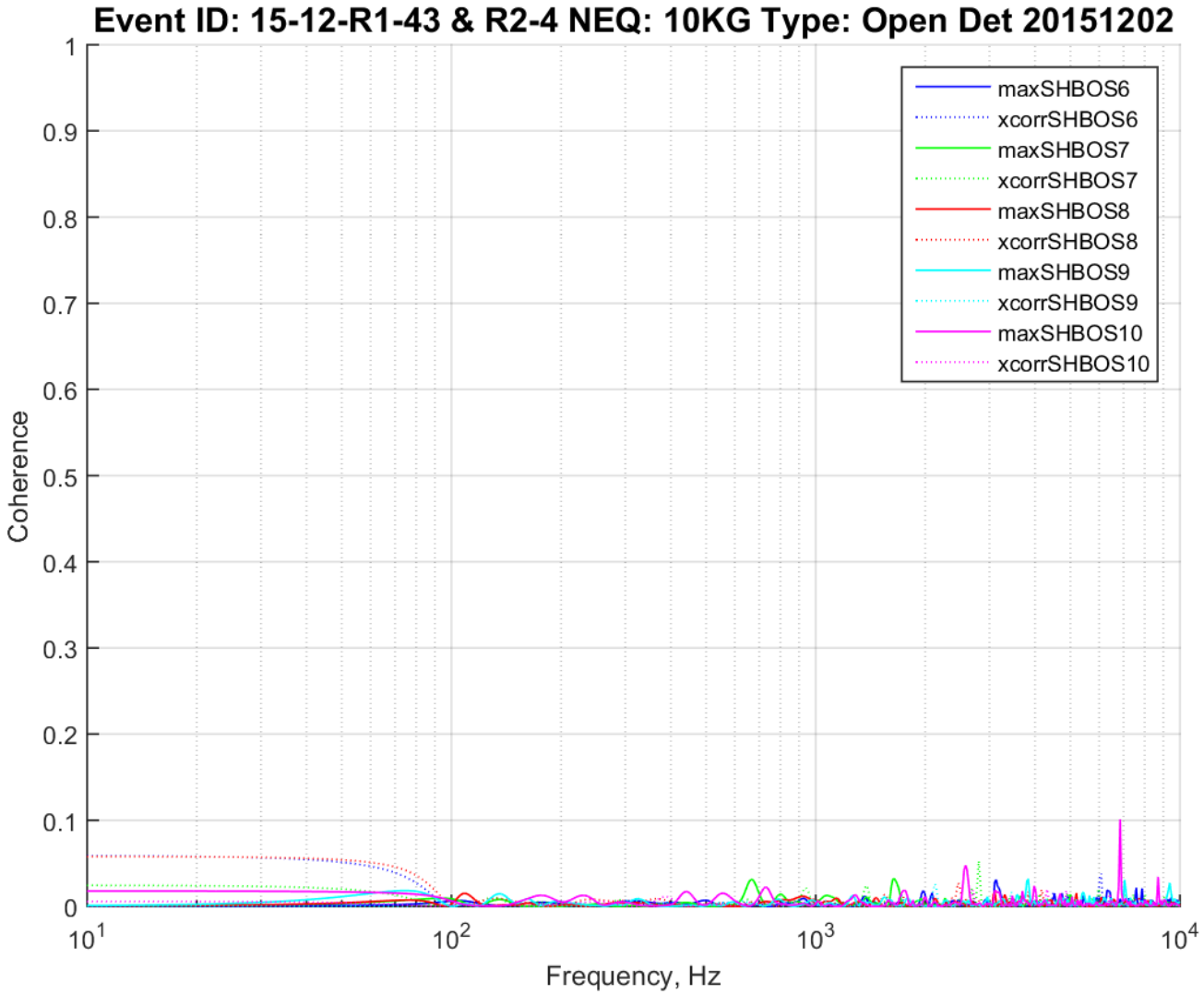


FIGURE 2.1959: COHERENCE SHB_OS 6 - 10 15-12-R1-43 & R2-4CTD

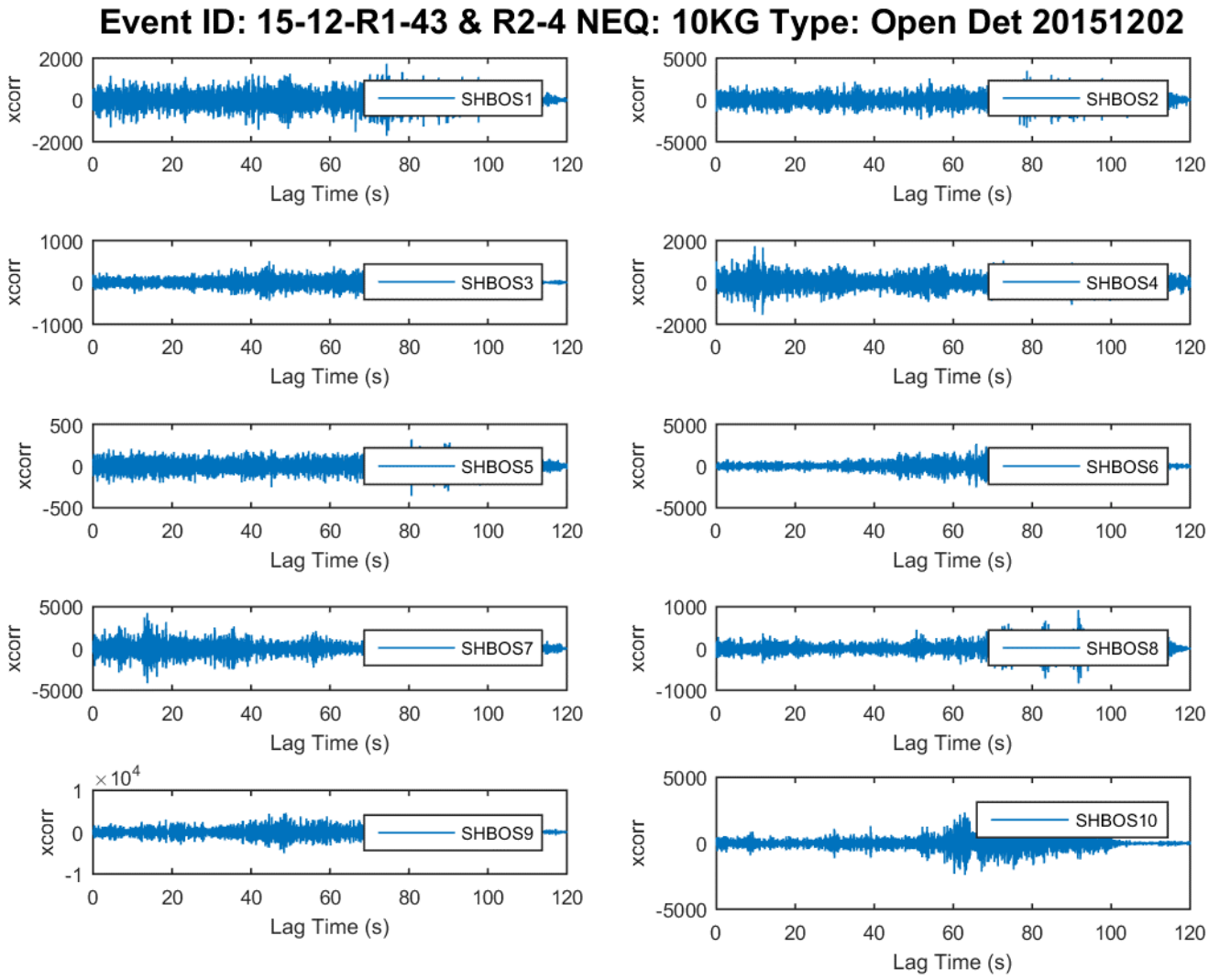
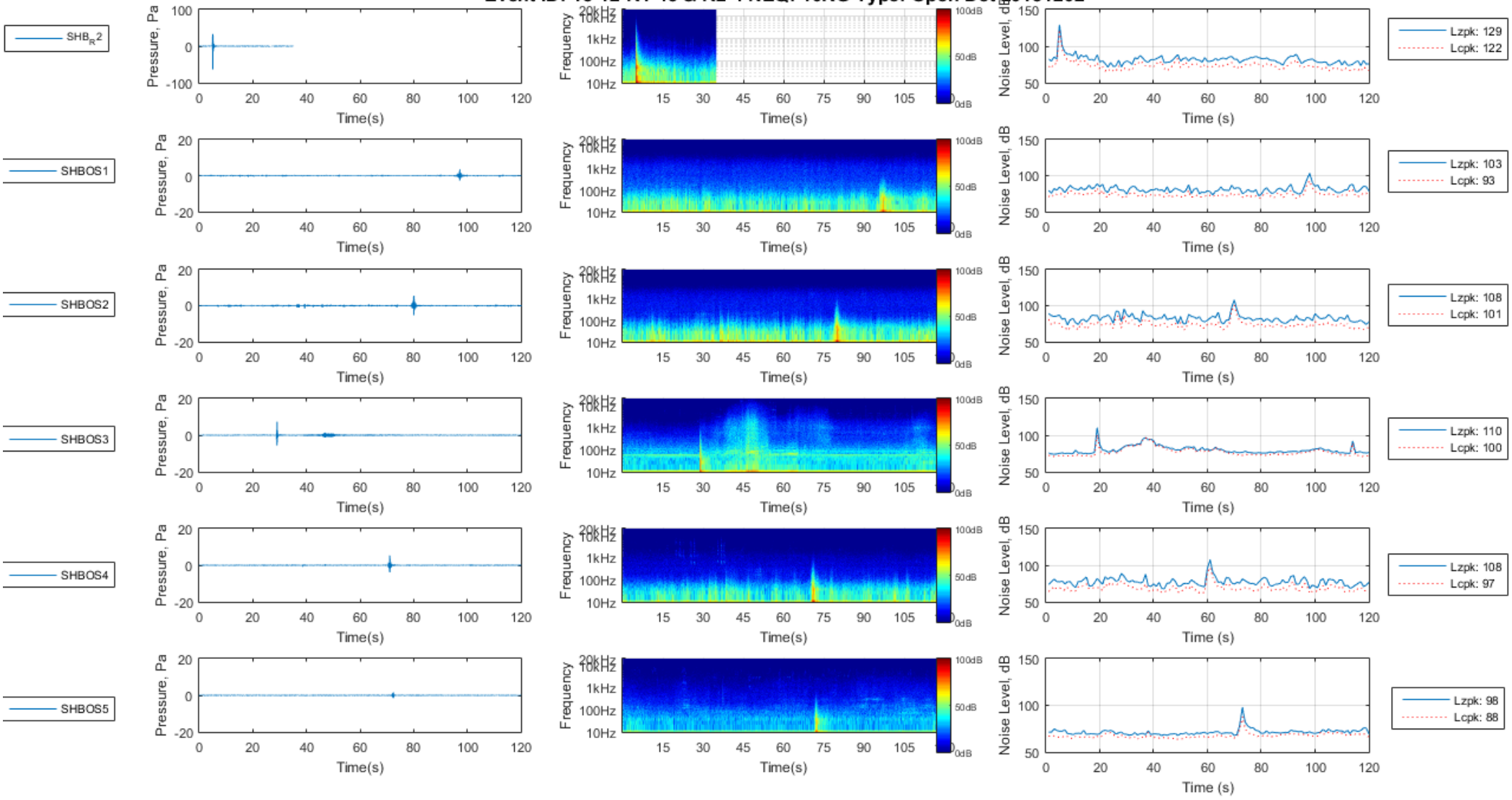
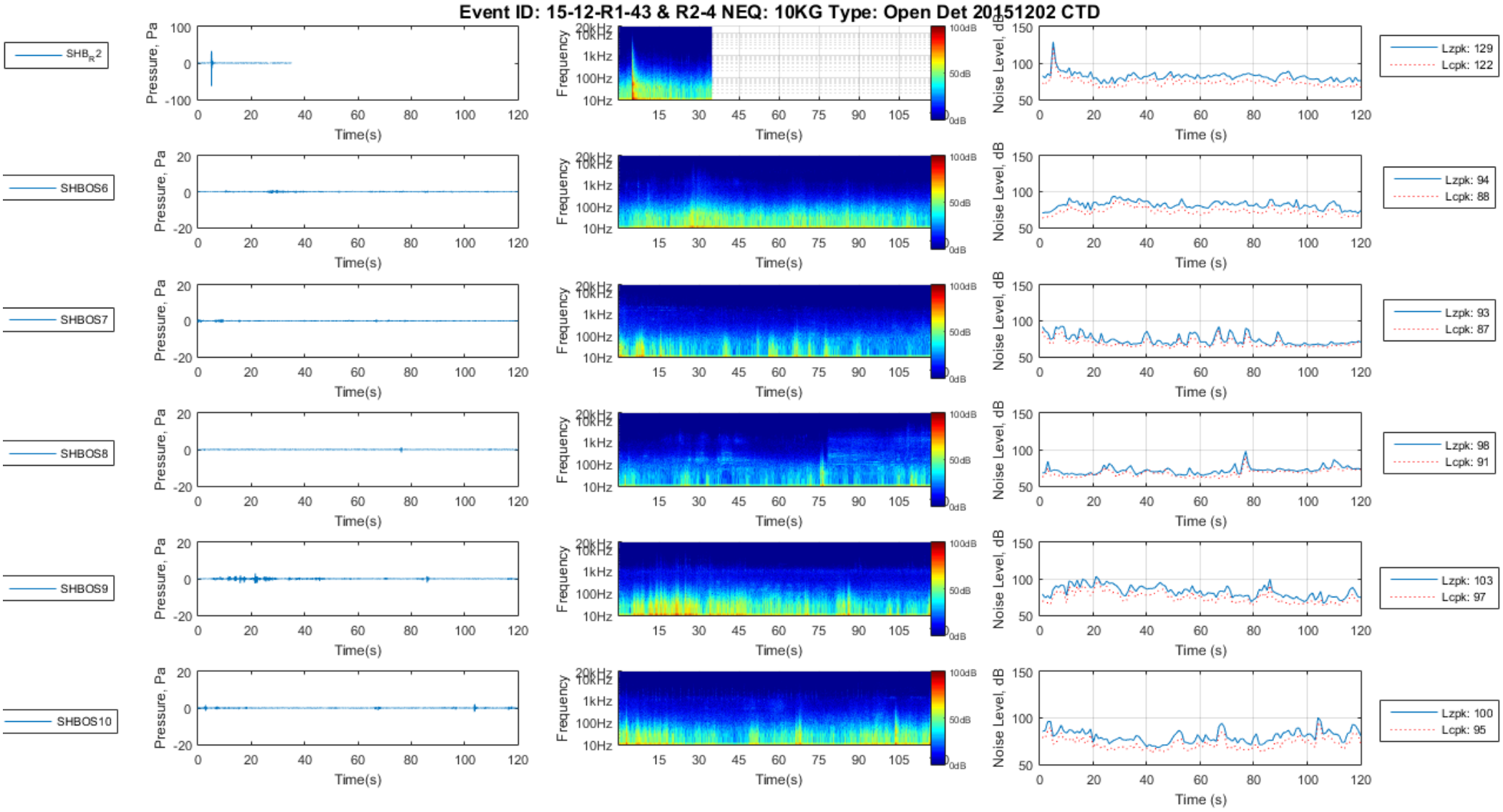


FIGURE 2.1960: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-43 & R2-4


Event ID: 15-12-R1-43 & R2-4 NEQ: 10KG Type: Open Det 20151202
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 129
Lcpk: 122
Lzpk: 103
Lcpk: 93
Lzpk: 108
Lcpk: 101
Lzpk: 110
Lcpk: 100
Lzpk: 108
Lcpk: 97
Lzpk: 98
Lcpk: 88


Event ID: 15-12-R1-43 & R2-4 NEQ: 10KG Type: Open Det 20151202 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 129
Lcpk: 122
Lzpk: 94
Lcpk: 88
Lzpk: 93
Lcpk: 87
Lzpk: 98
Lcpk: 91
Lzpk: 103
Lcpk: 97
Lzpk: 100
Lcpk: 95

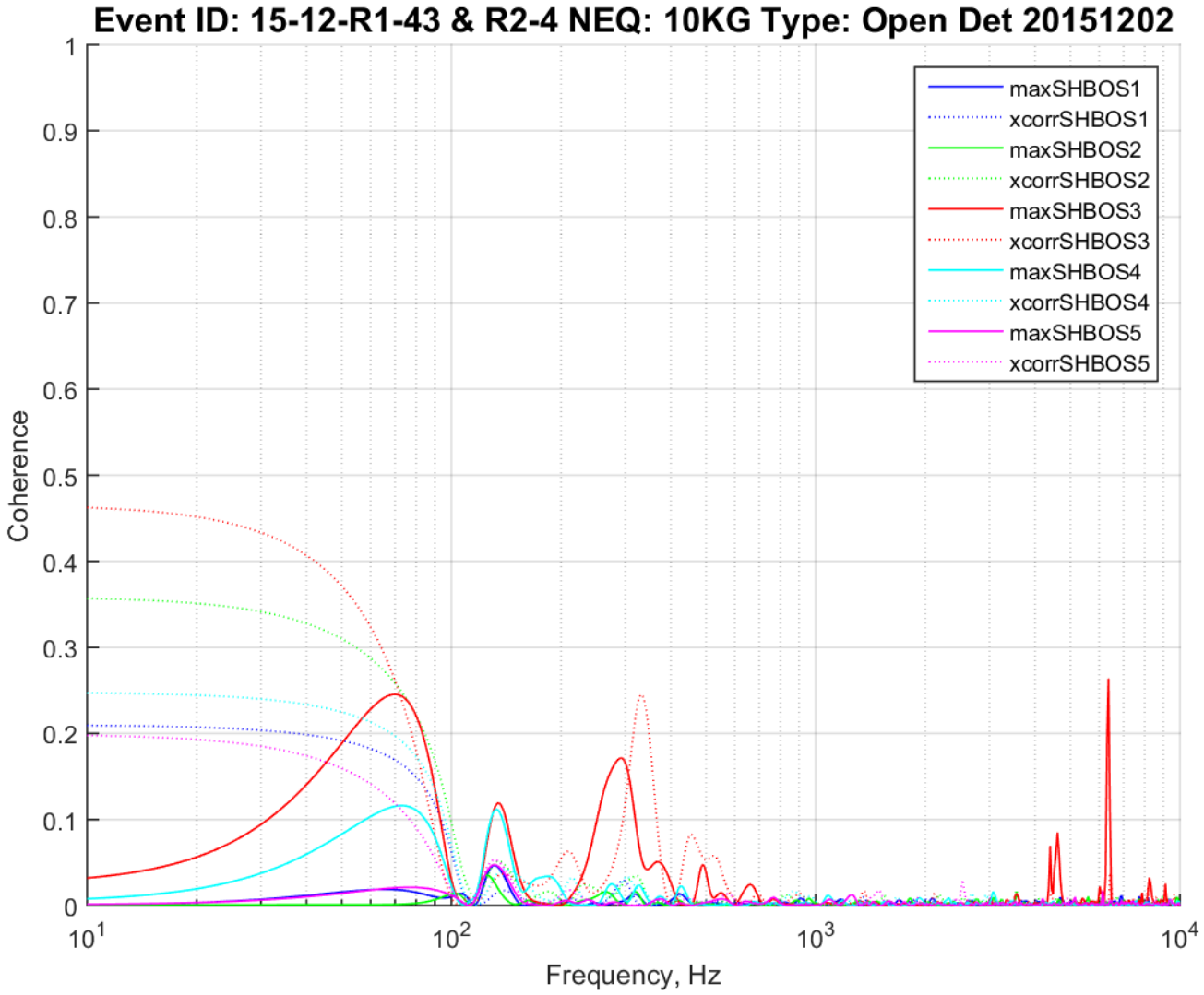


FIGURE 2.1963: COHERENCE SHB_OS 1 - 5 15-12-R1-43 & R2-4

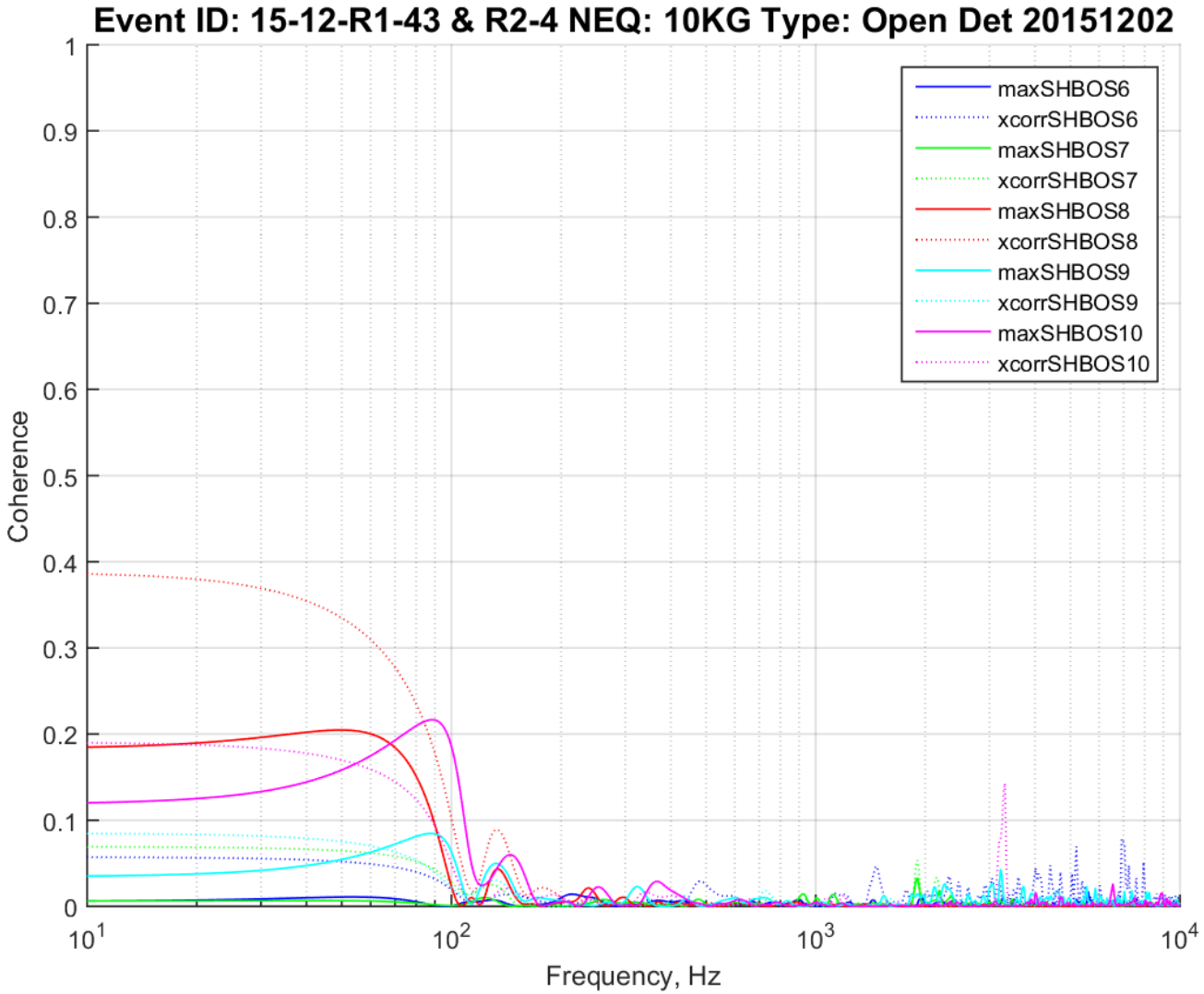


FIGURE 2.1964: COHERENCE SHB_OS 6 - 10 15-12-R1-43 & R2-4CTD

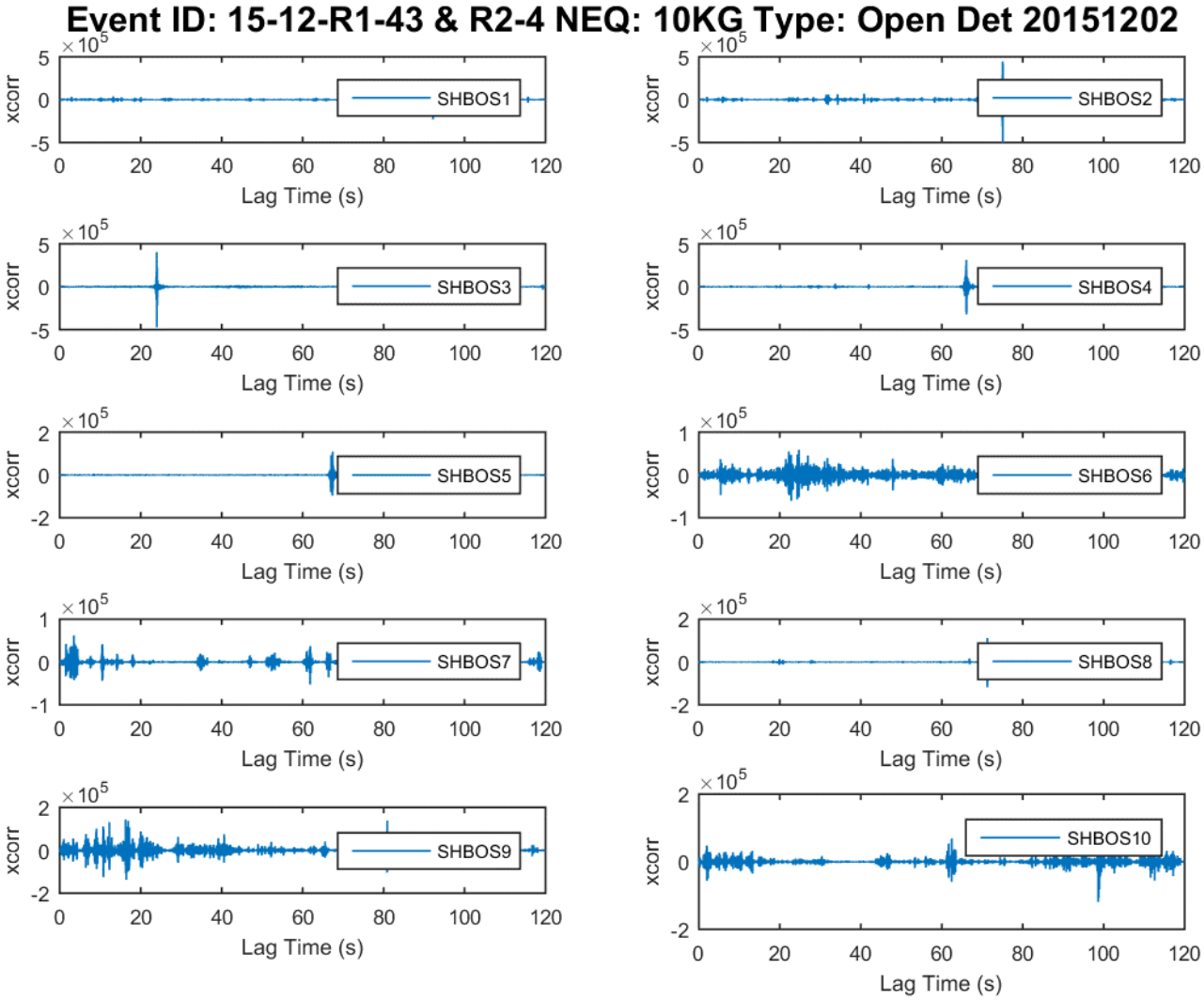
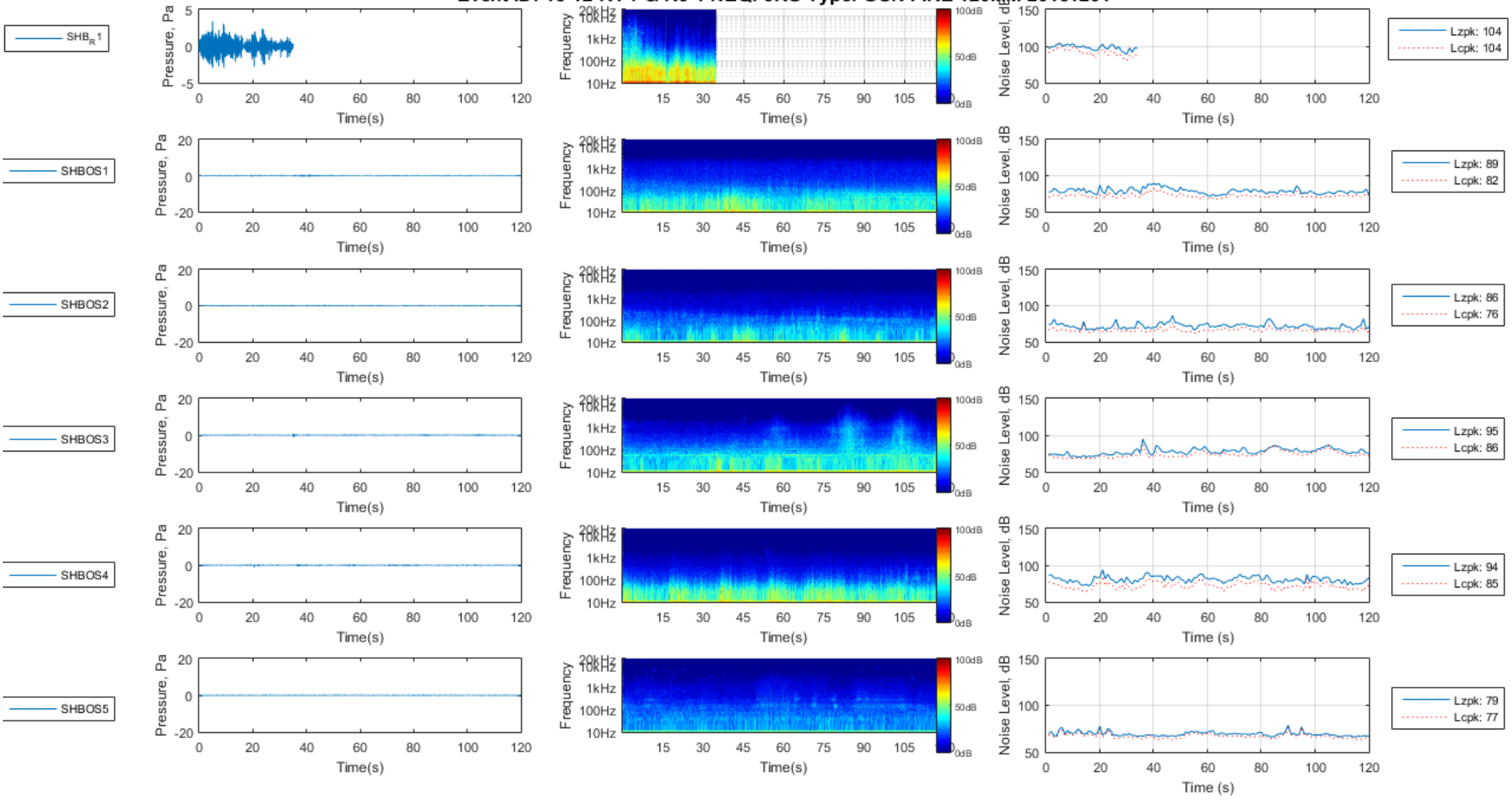
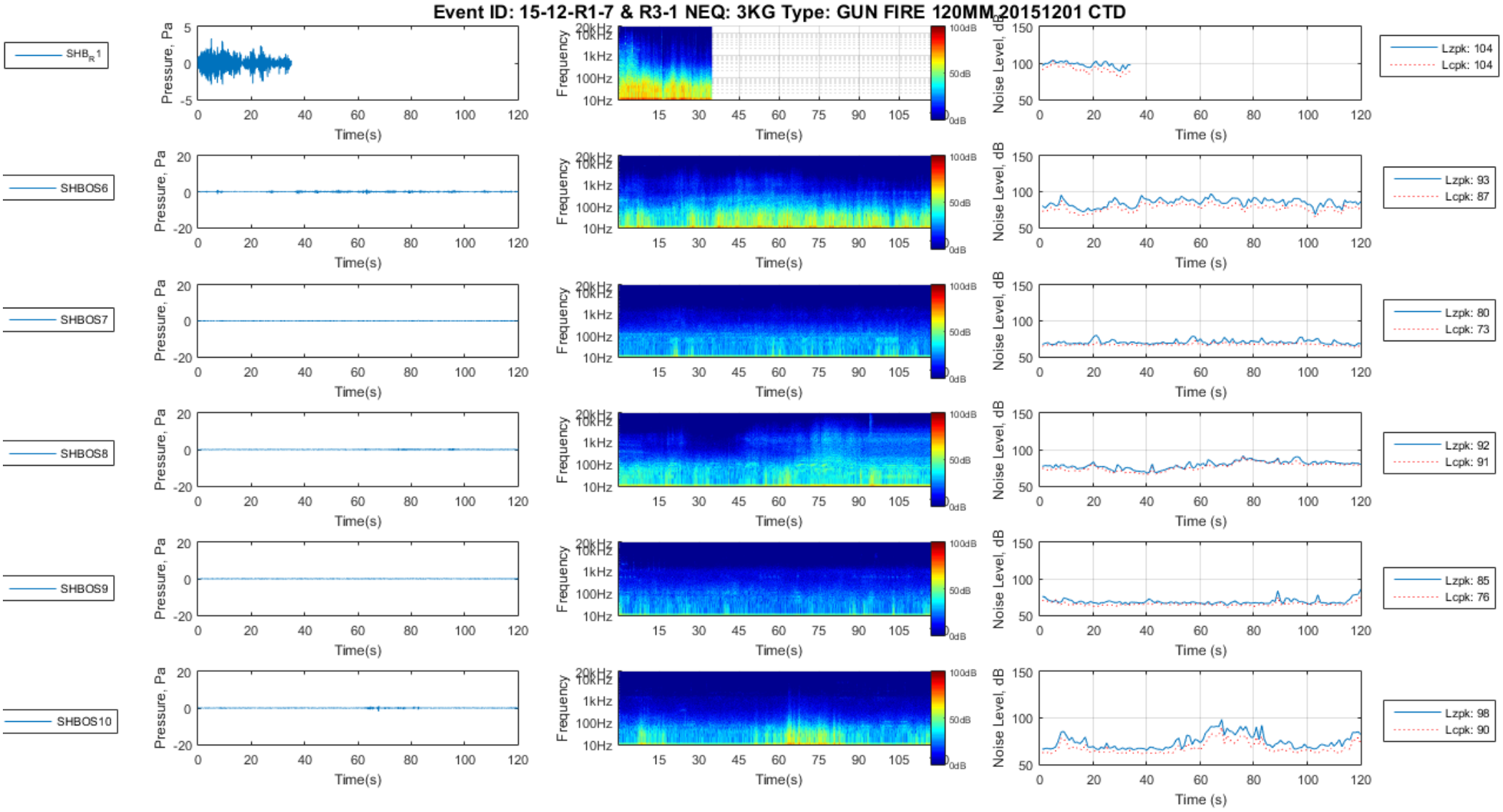


FIGURE 2.1965: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-43 & R2-4


Event ID: 15-12-R1-7 & R3-1 NEQ: 3KG Type: GUN FIRE 120MM 20151201
SHB_R 1
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 104
Lcpk: 104
SHBOS1
Lzpk: 89
Lcpk: 82
SHBOS2
Lzpk: 86
Lcpk: 76
SHBOS3
Lzpk: 95
Lcpk: 86
SHBOS4
Lzpk: 94
Lcpk: 85
SHBOS5
Lzpk: 79
Lcpk: 77


Event ID: 15-12-R1-7 & R3-1 NEQ: 3KG Type: GUN FIRE 120MM 20151201 CTD
SHB_R^1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Frequency
Noise Level, dB
Time(s)
Time (s)
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Lzpk: 104
Lcpk: 104
Lzpk: 93
Lcpk: 87
Lzpk: 80
Lcpk: 73
Lzpk: 92
Lcpk: 91
Lzpk: 85
Lcpk: 76
Lzpk: 98
Lcpk: 90

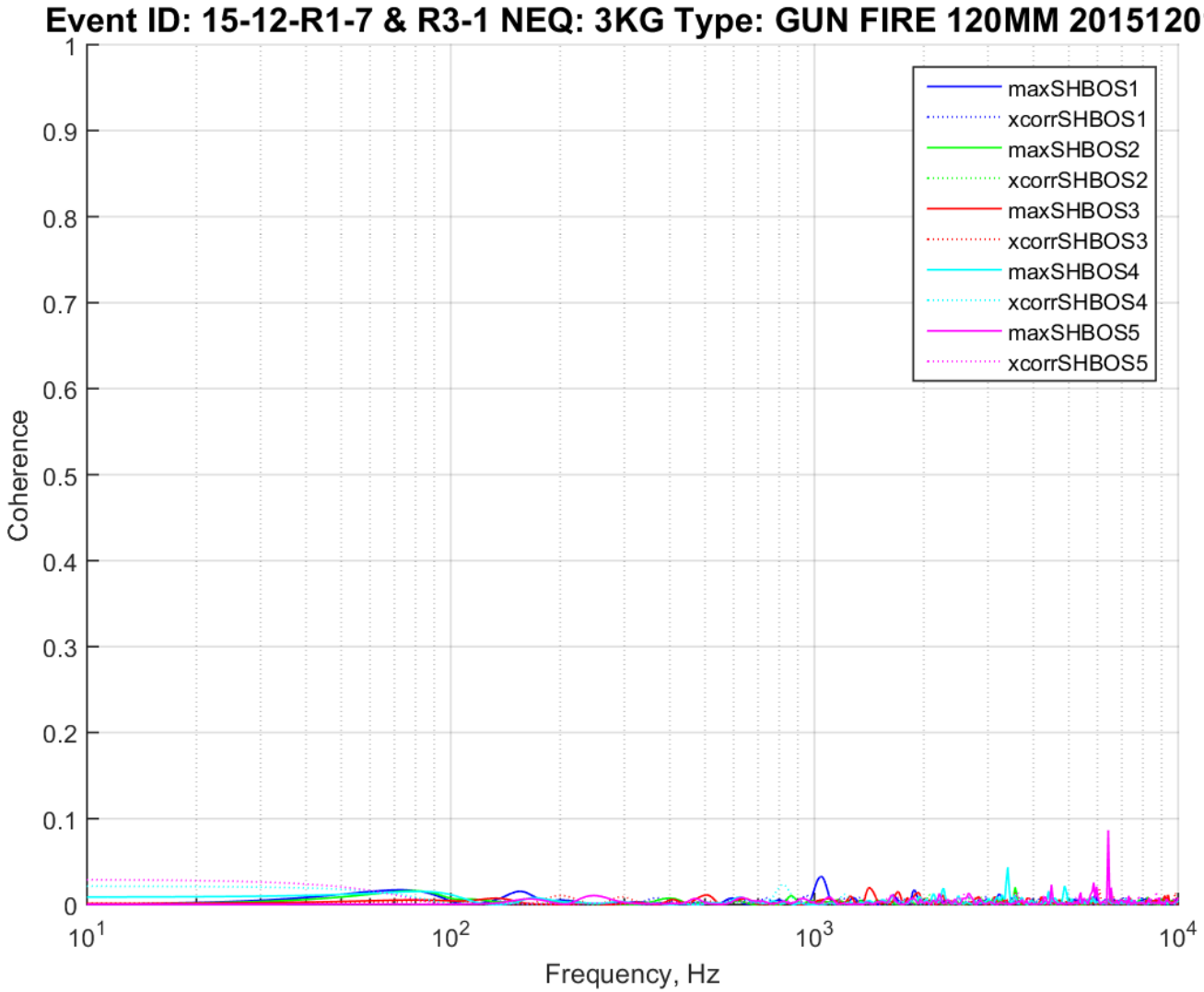


FIGURE 2.1968: COHERENCE SHB_OS 1 - 5 15-12-R1-7 & R3-1

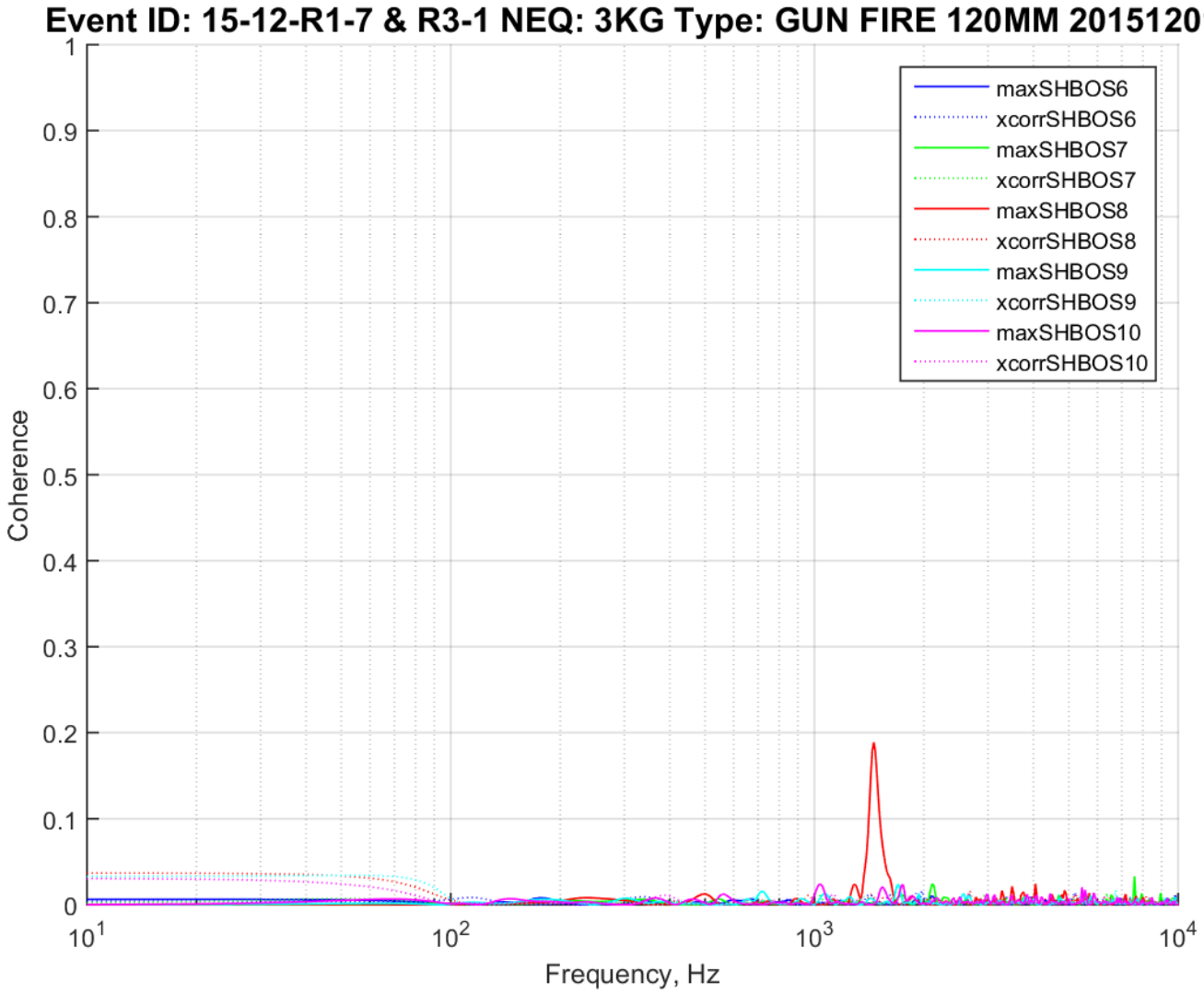


FIGURE 2.1969: COHERENCE SHB_OS 6 - 10 15-12-R1-7 & R3-1CTD

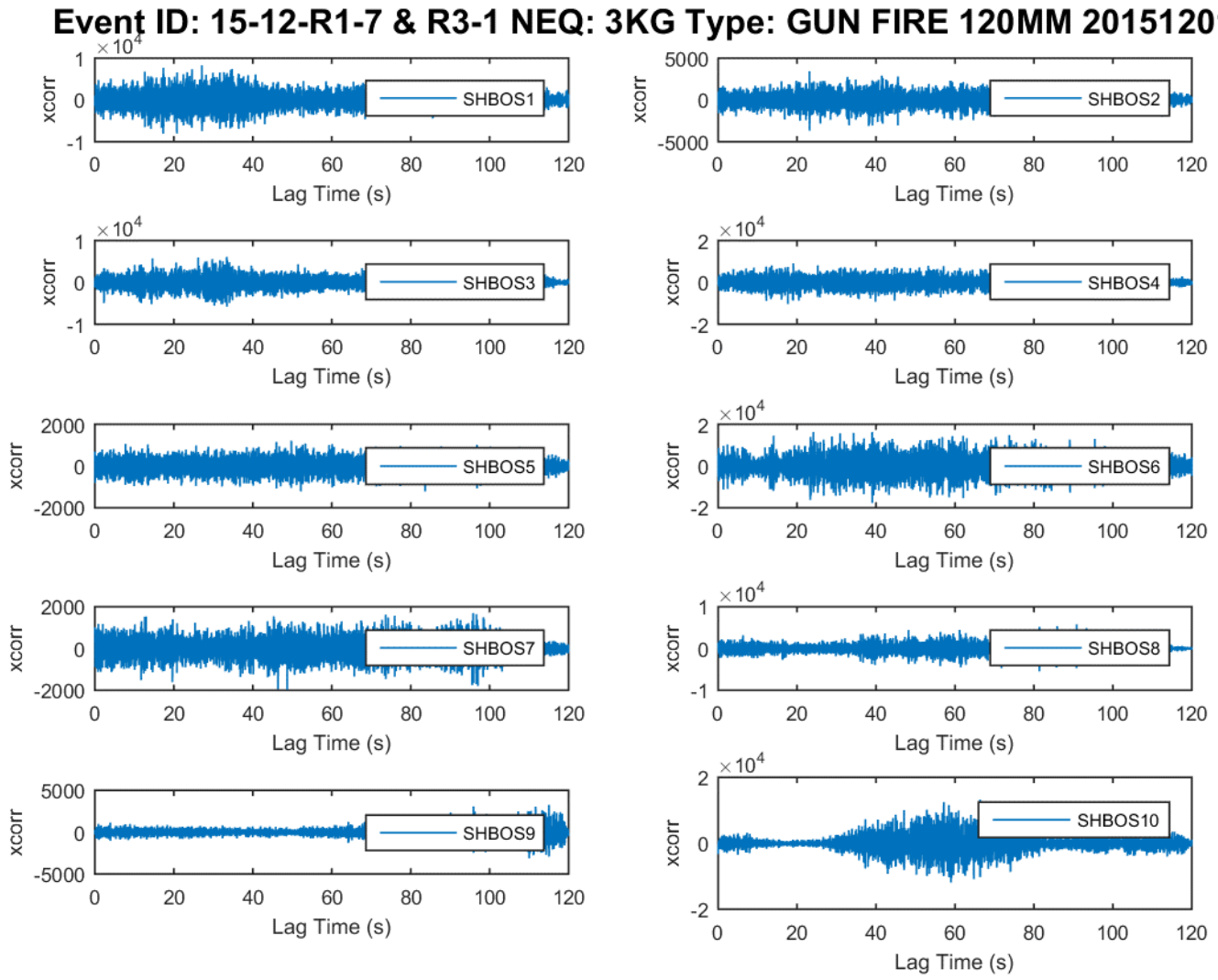


FIGURE 2.1970: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-7 & R3-1

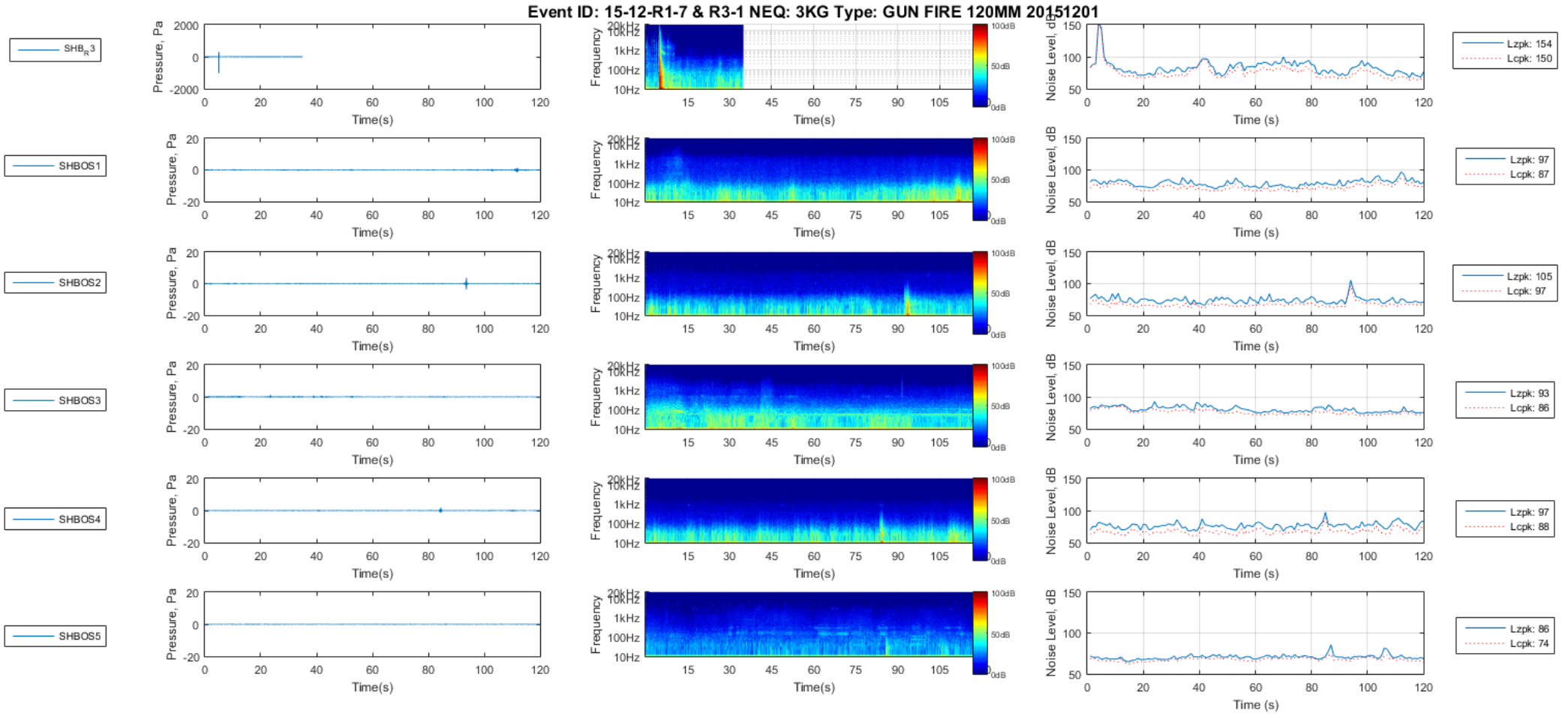


FIGURE 2.1971: SHB_OS 1 - 5 15-12-R1-7 & R3-1

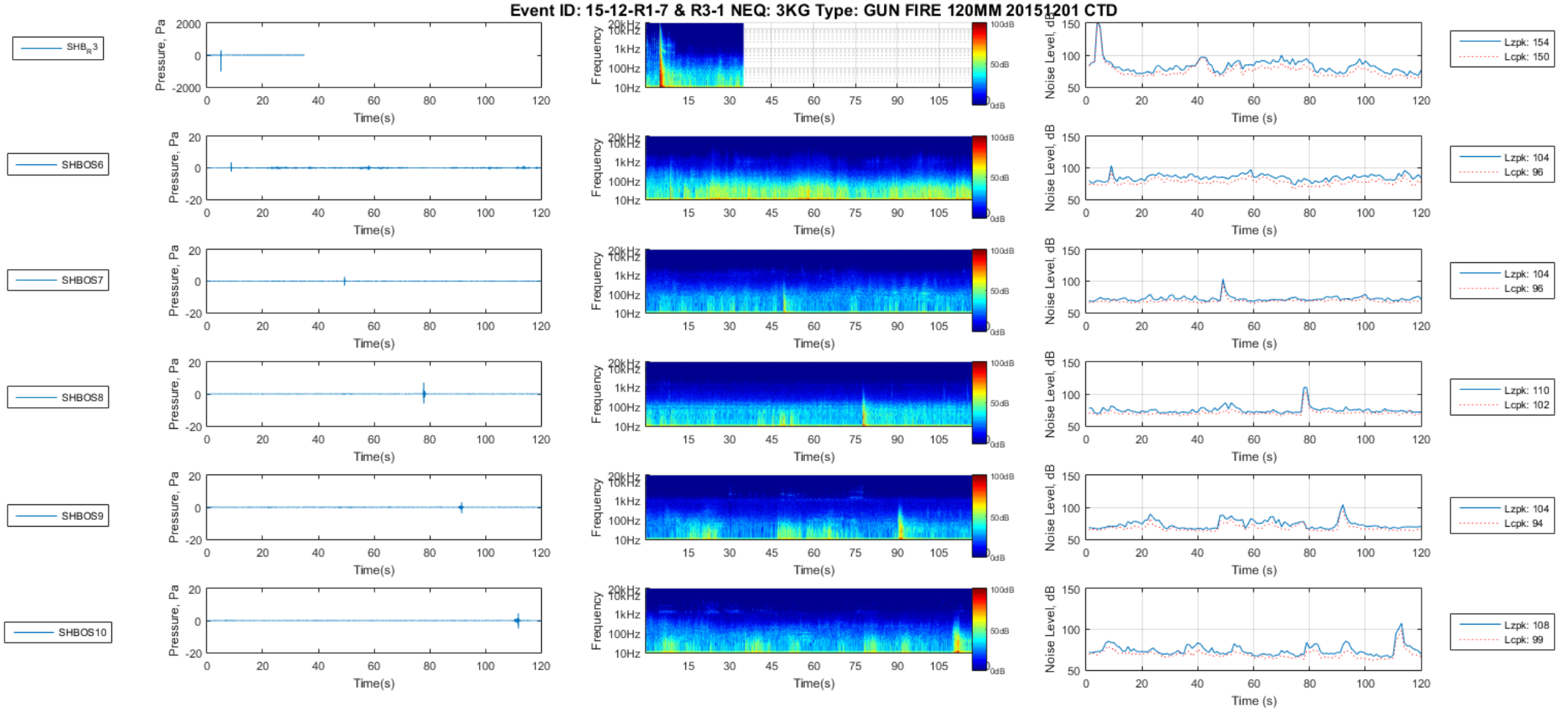


FIGURE 2.1972: SHB_OS 6 - 10 15-12-R1-7 & R3-1

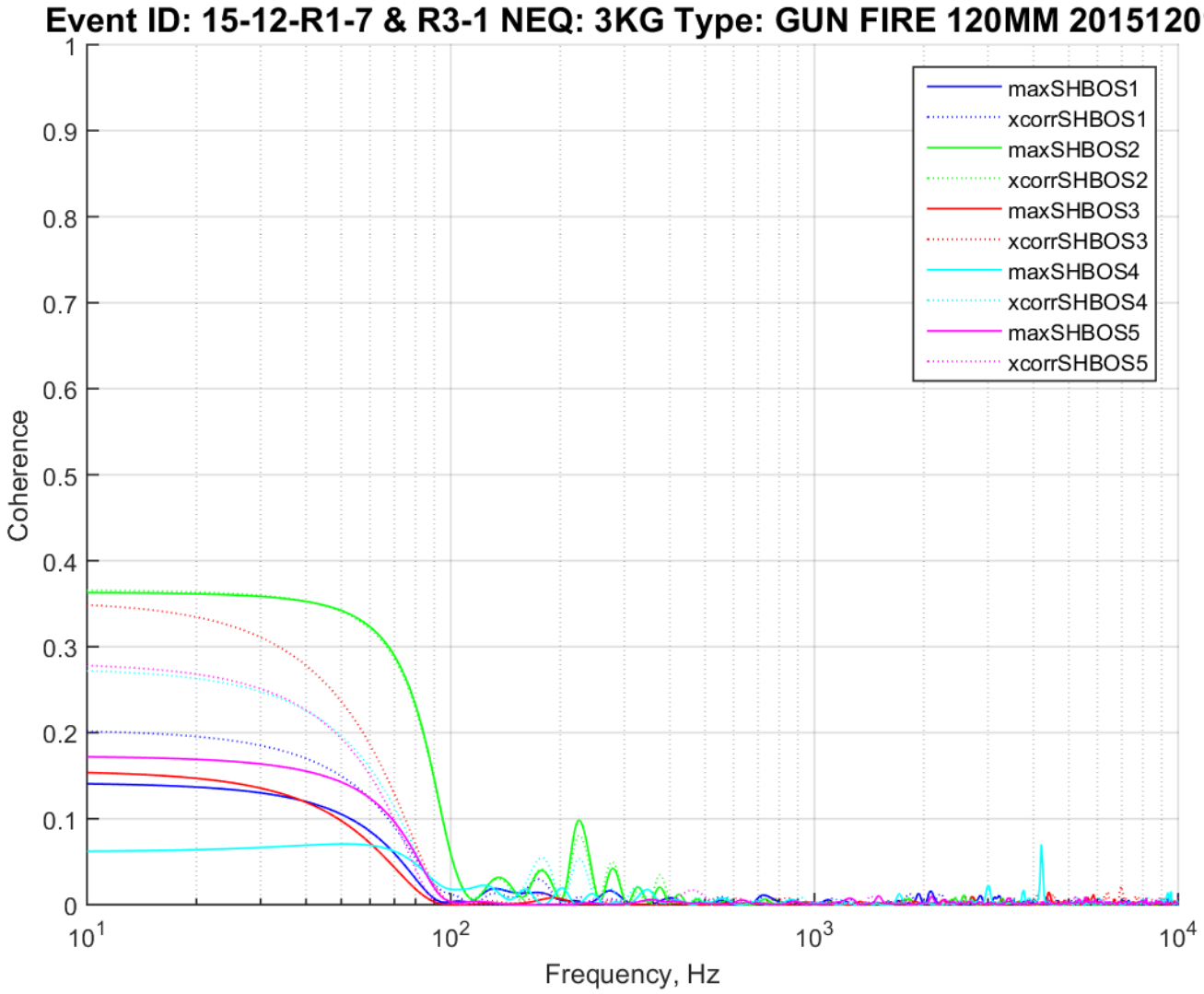


FIGURE 2.1973: COHERENCE SHB_OS 1 - 5 15-12-R1-7 & R3-1

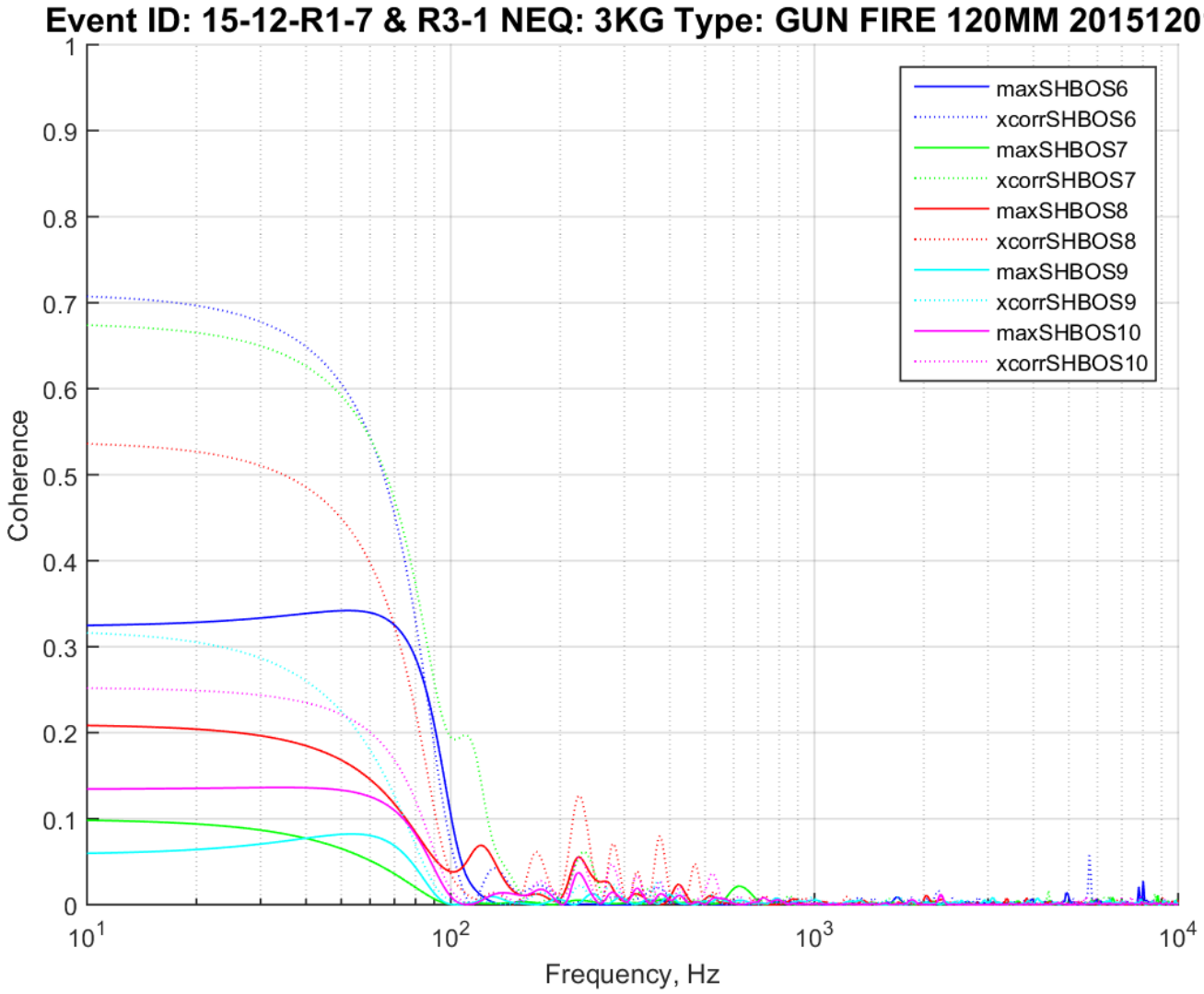


FIGURE 2.1974: COHERENCE SHB_OS 6 - 10 15-12-R1-7 & R3-1CTD

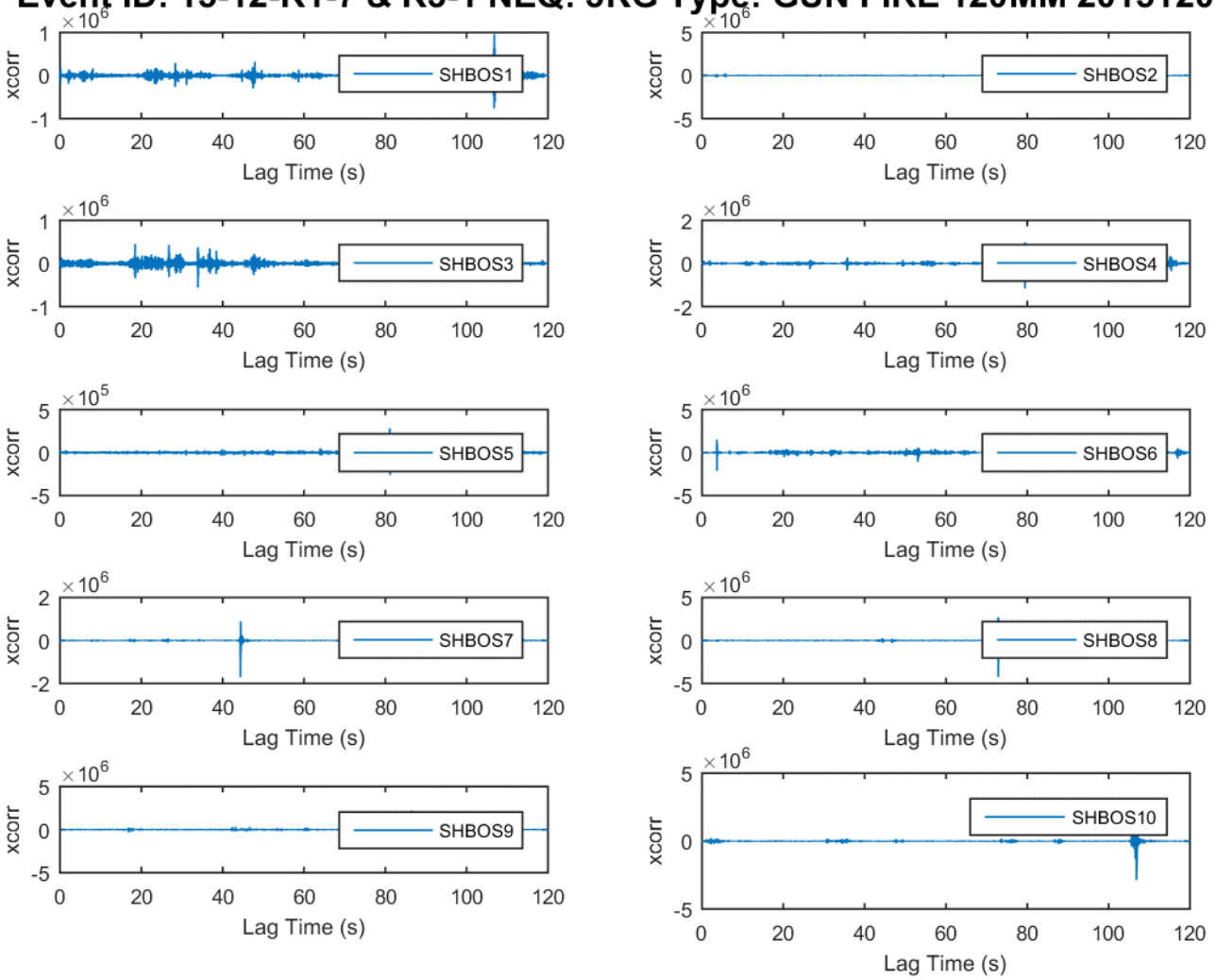
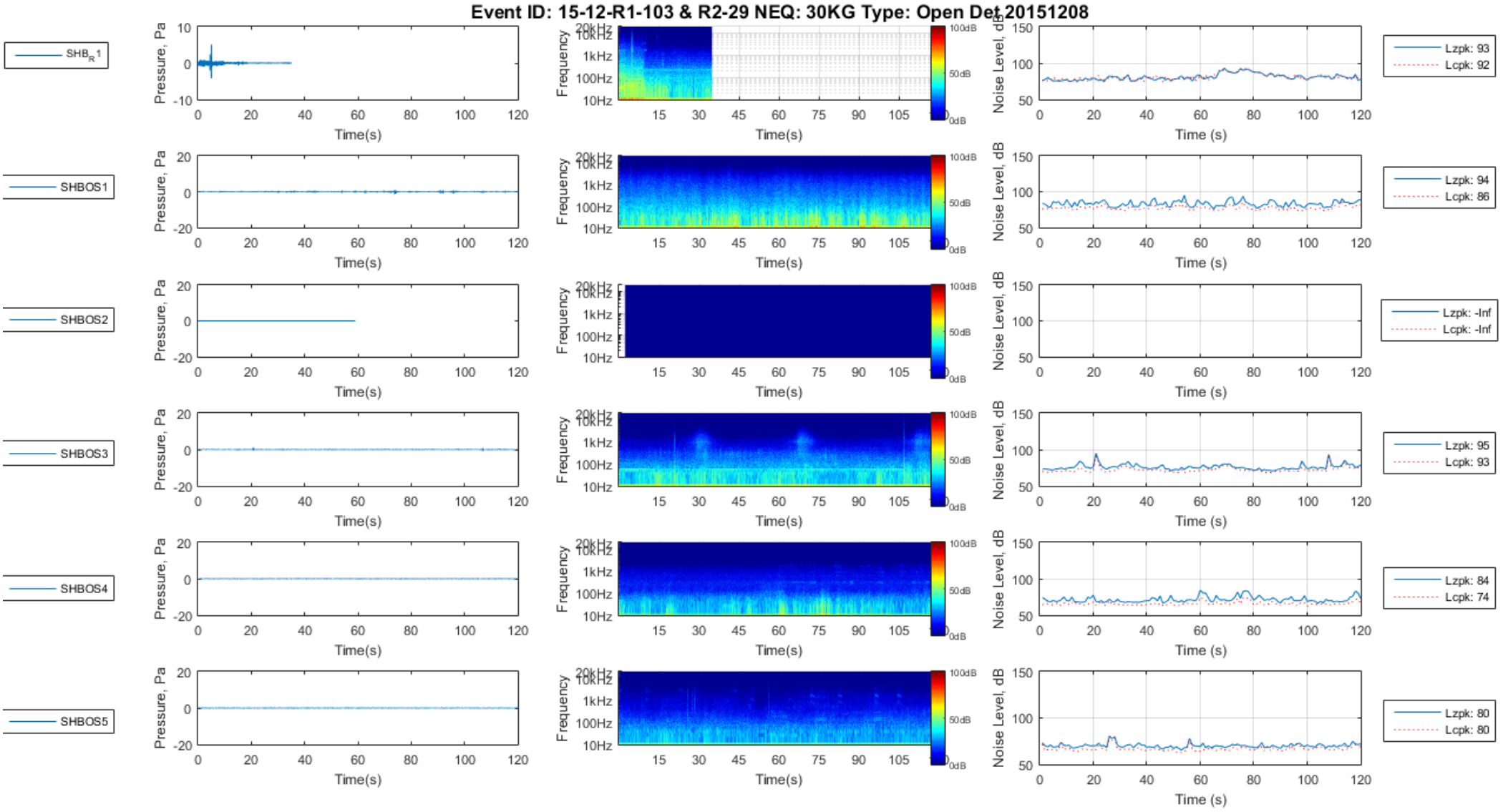
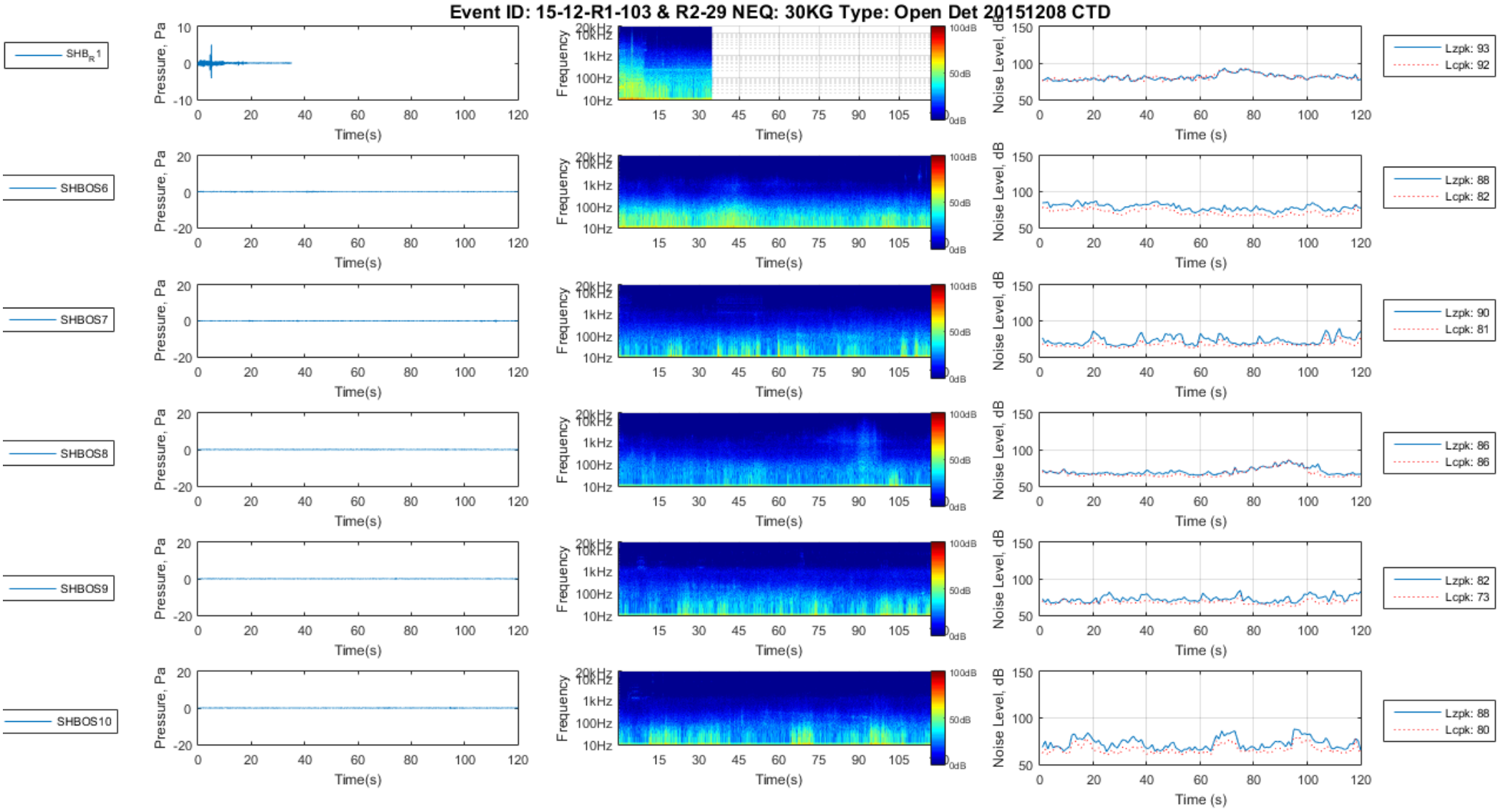


FIGURE 2.1975: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-7 & R3-1


Event ID: 15-12-R1-103 & R2-29 NEQ: 30KG Type: Open Det 20151208
SHB_R 1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 93
Lcpk: 92
Lzpk: 94
Lcpk: 86
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 95
Lcpk: 93
Lzpk: 84
Lcpk: 74
Lzpk: 80
Lcpk: 80


Event ID: 15-12-R1-103 & R2-29 NEQ: 30KG Type: Open Det 20151208 CTD
SHB$_R$ [1]
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 93
Lcpk: 92
Lzpk: 88
Lcpk: 82
Lzpk: 90
Lcpk: 81
Lzpk: 86
Lcpk: 86
Lzpk: 82
Lcpk: 73
Lzpk: 88
Lcpk: 80

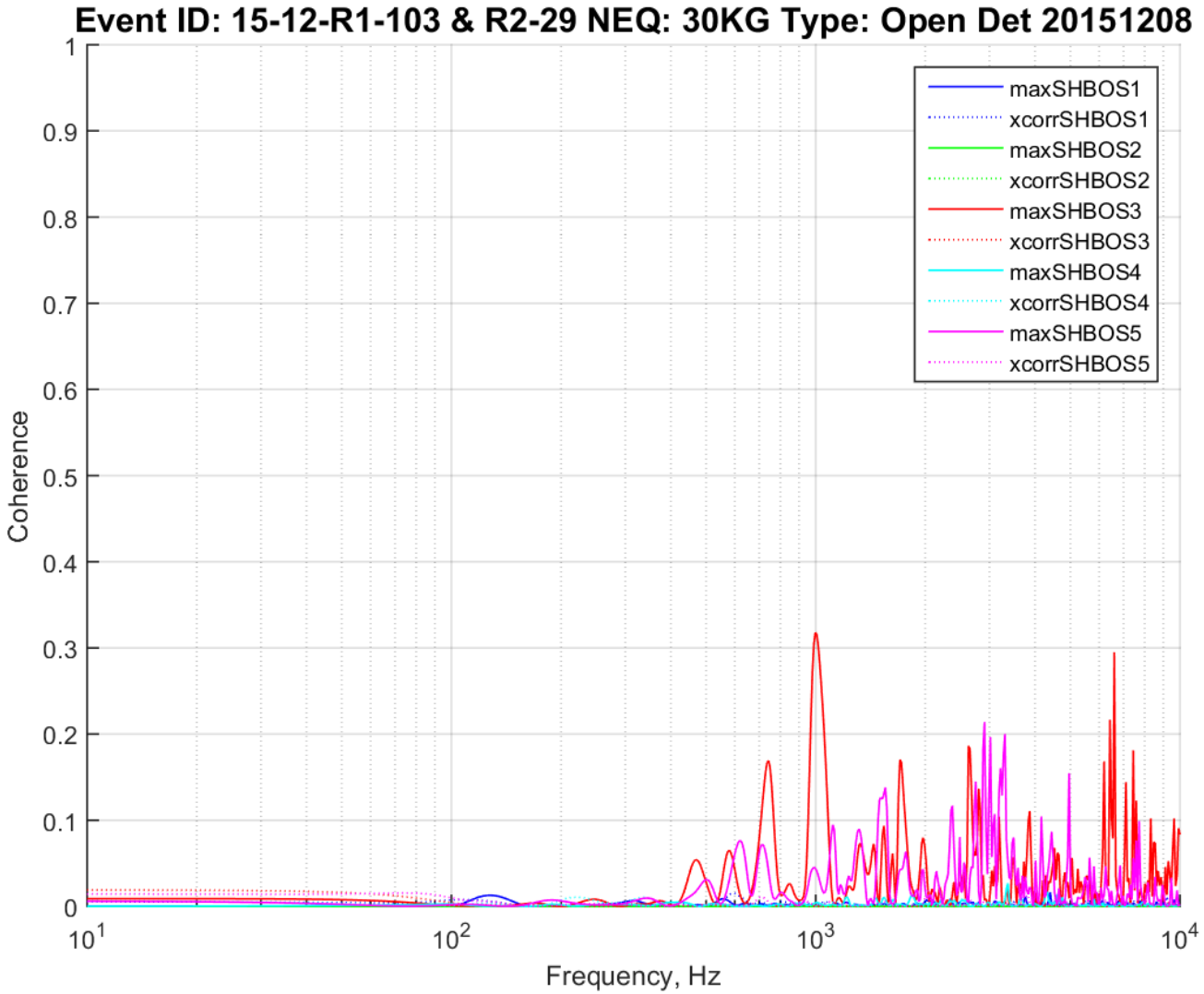


FIGURE 2.1978: COHERENCE SHB_OS 1 - 5 15-12-R1-103 & R2-29

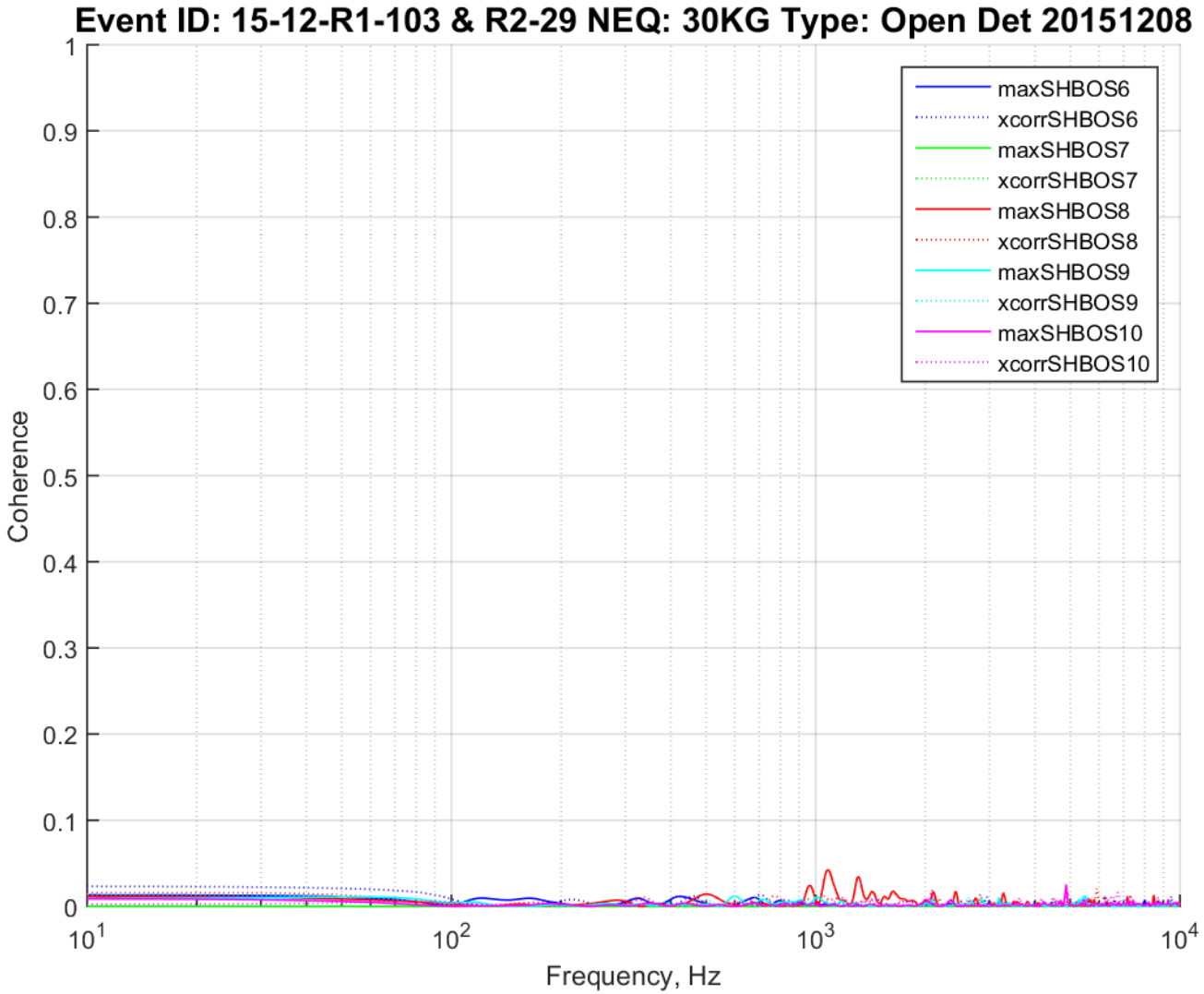


FIGURE 2.1979: COHERENCE SHB_OS 6 - 10 15-12-R1-103 & R2-29CTD

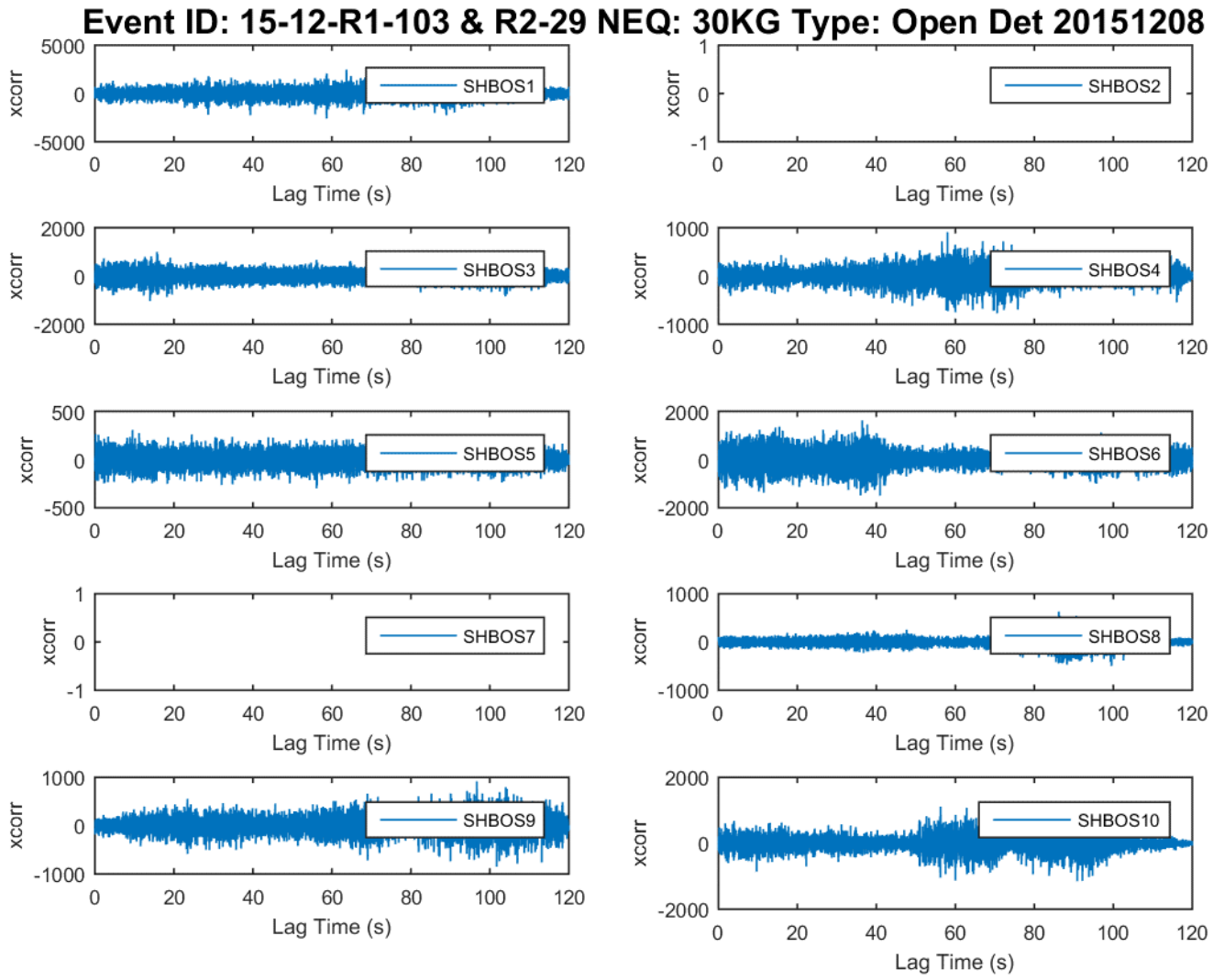
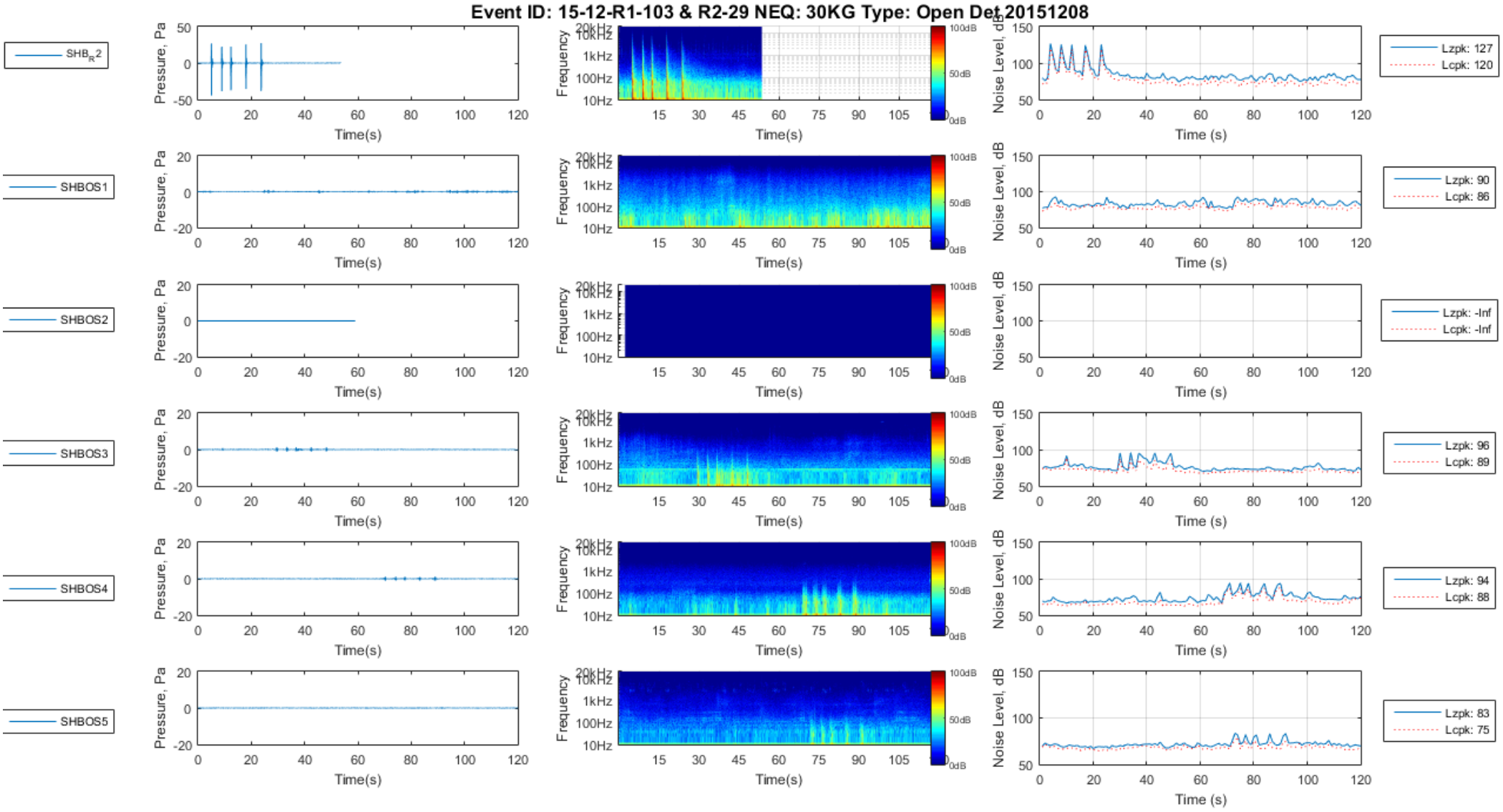
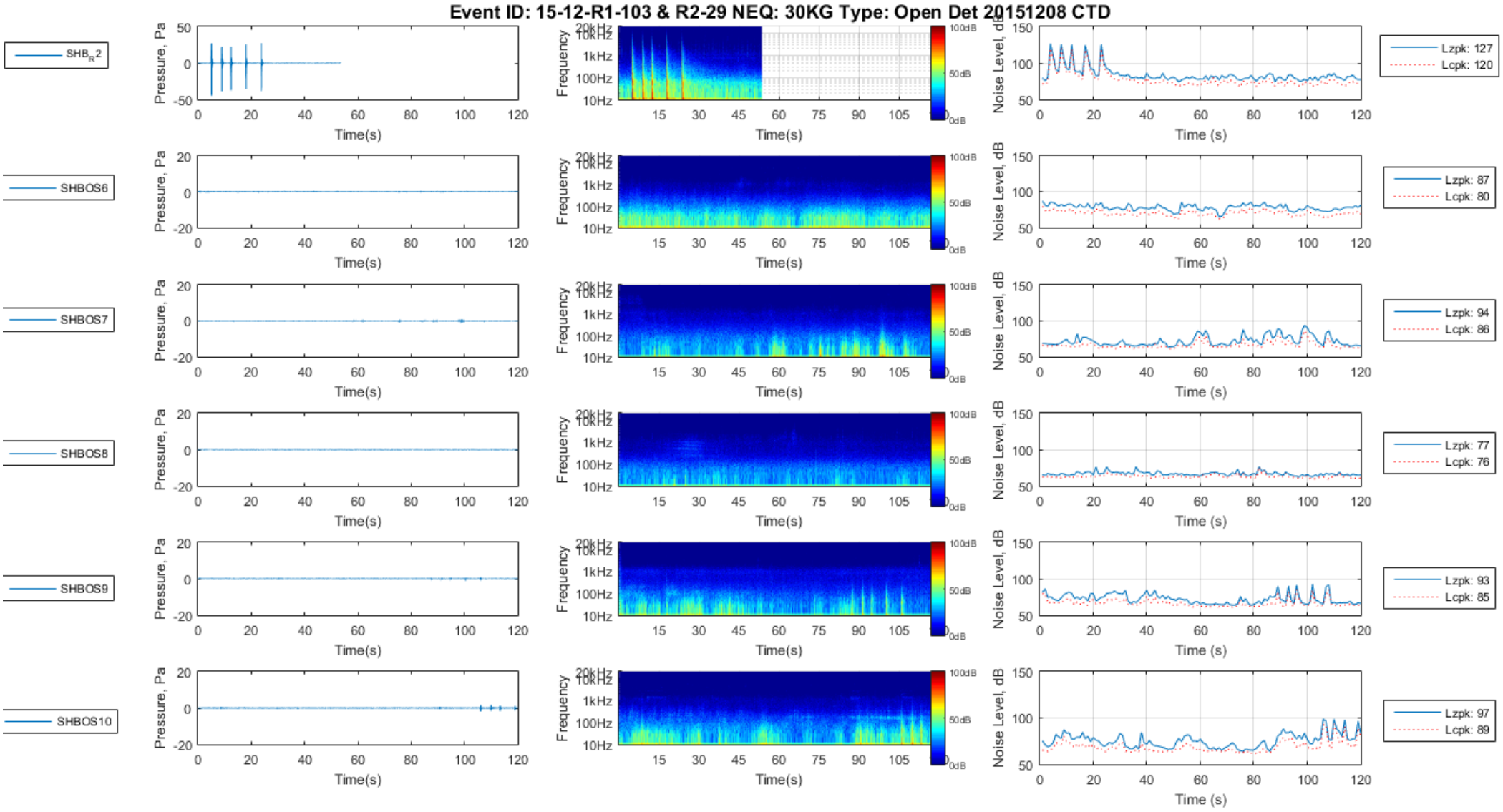


FIGURE 2.1980: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-103 & R2-29


Event ID: 15-12-R1-103 & R2-29 NEQ: 30KG Type: Open Det 20151208
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 127
Lcpk: 120
Lzpk: 90
Lcpk: 86
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 96
Lcpk: 89
Lzpk: 94
Lcpk: 88
Lzpk: 83
Lcpk: 75


Event ID: 15-12-R1-103 & R2-29 NEQ: 30KG Type: Open Det 20151208 CTD
SHB$_R$2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 127
Lcpk: 120
Lzpk: 87
Lcpk: 80
Lzpk: 94
Lcpk: 86
Lzpk: 77
Lcpk: 76
Lzpk: 93
Lcpk: 85
Lzpk: 97
Lcpk: 89

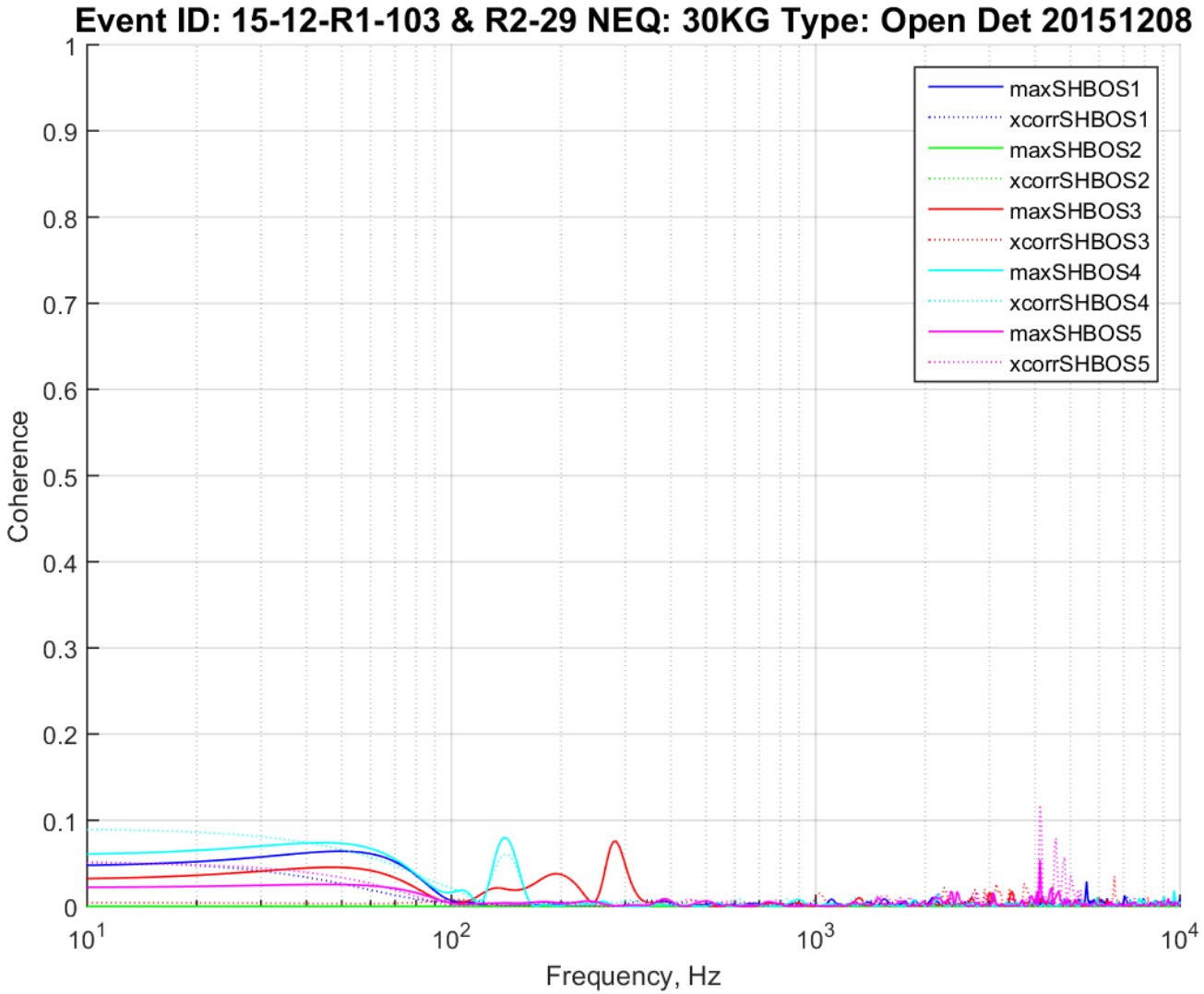


FIGURE 2.1983: COHERENCE SHB_OS 1 - 5 15-12-R1-103 & R2-29

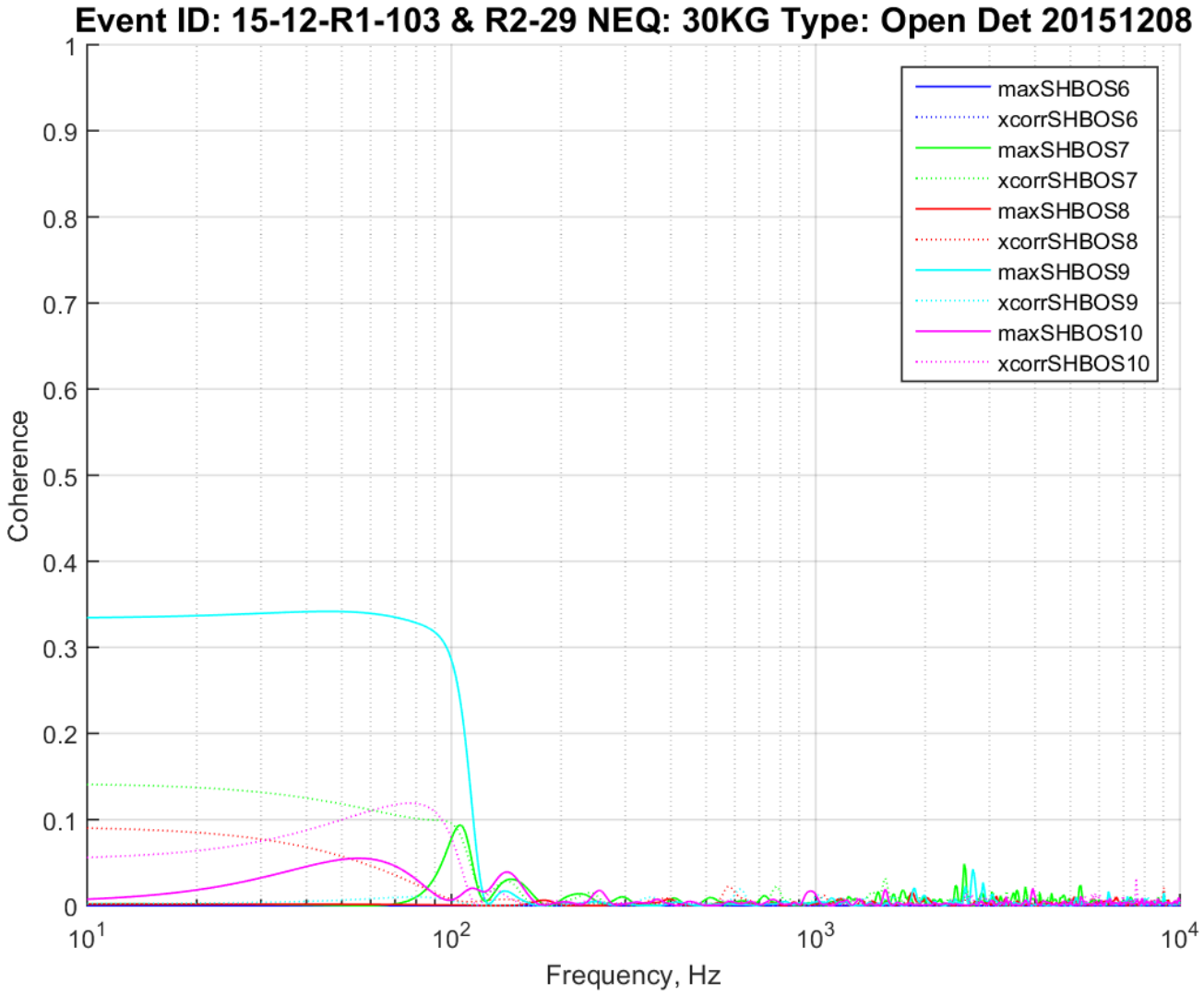


FIGURE 2.1984: COHERENCE SHB_OS 6 - 10 15-12-R1-103 & R2-29CTD

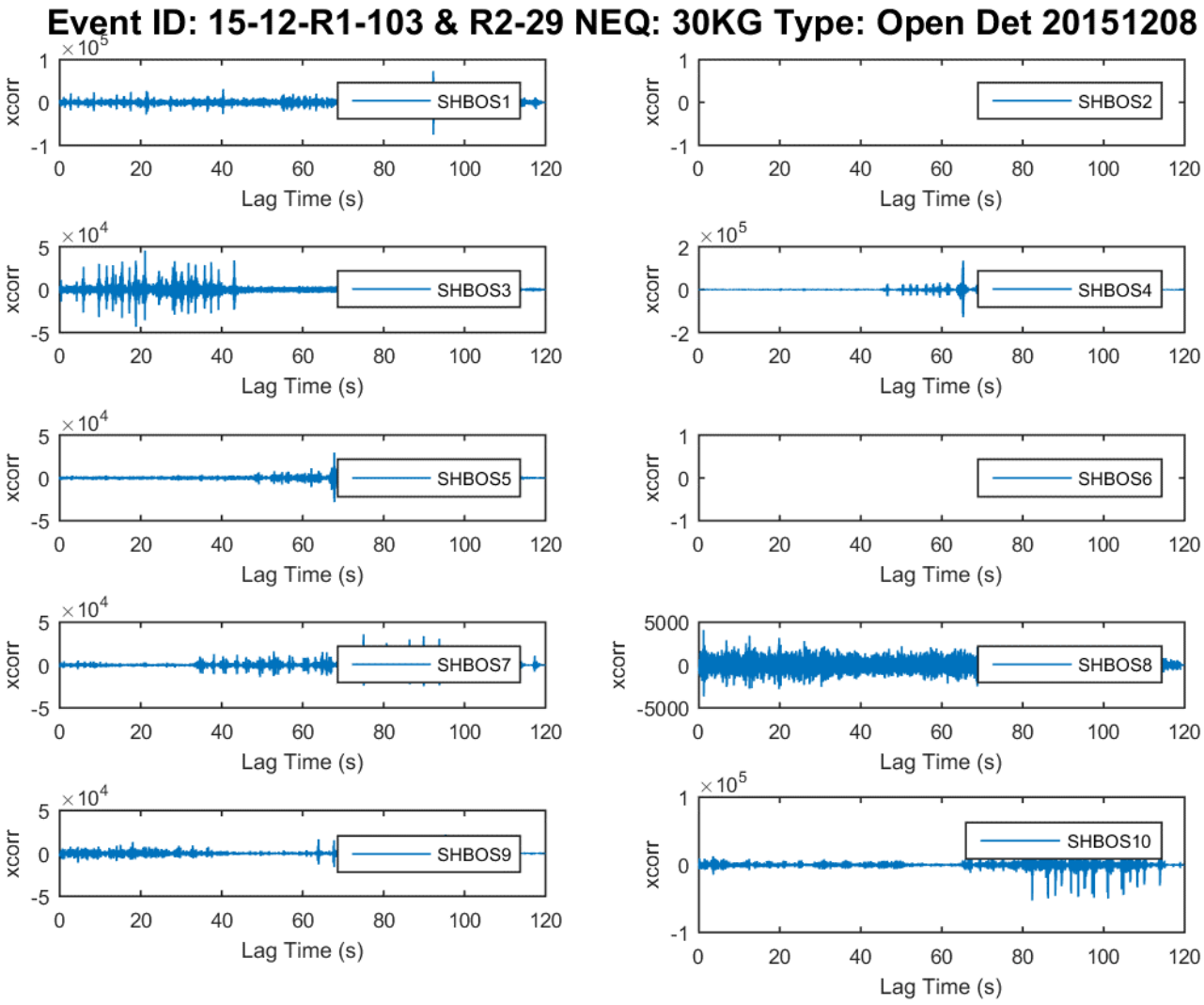
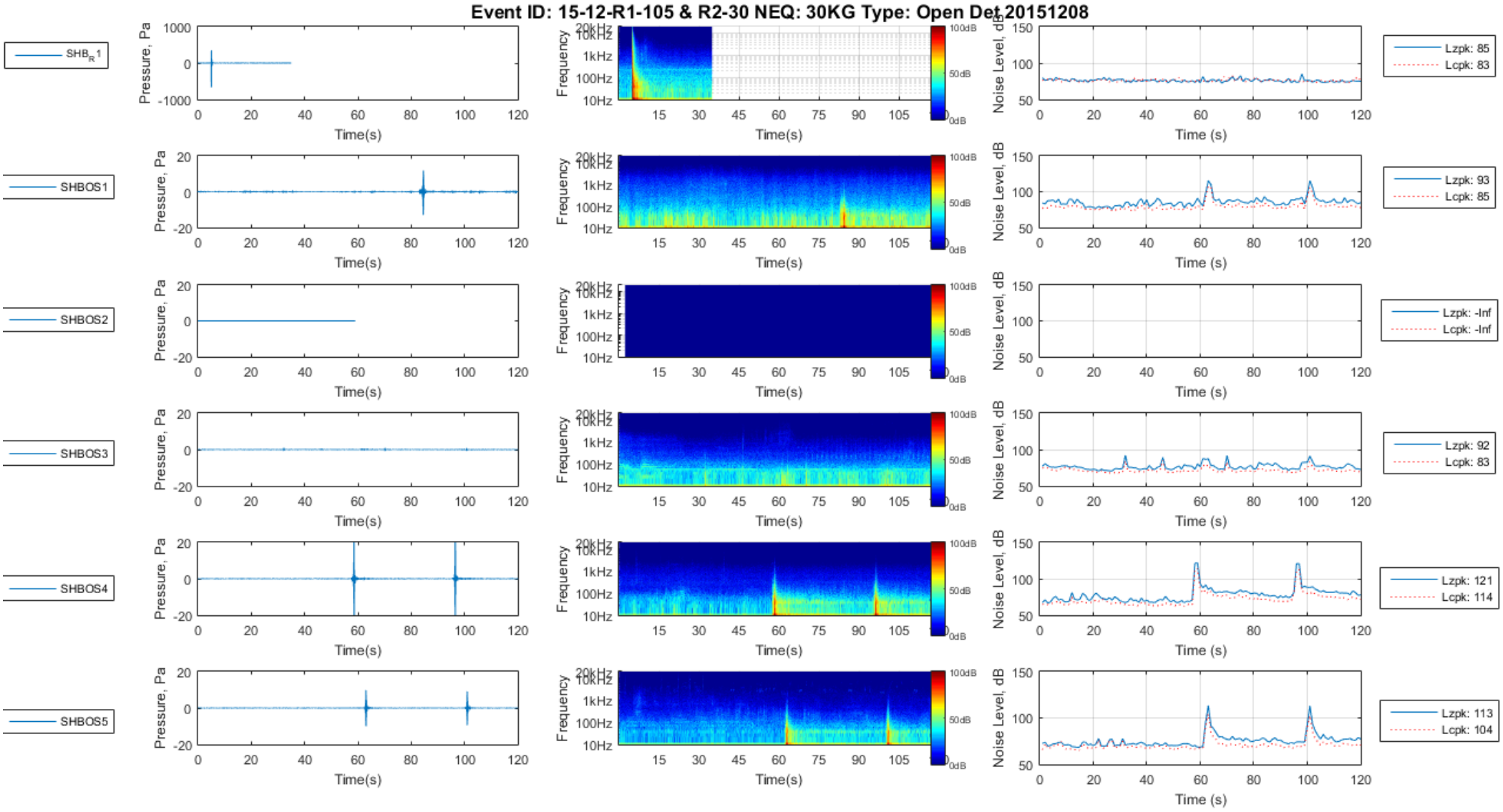
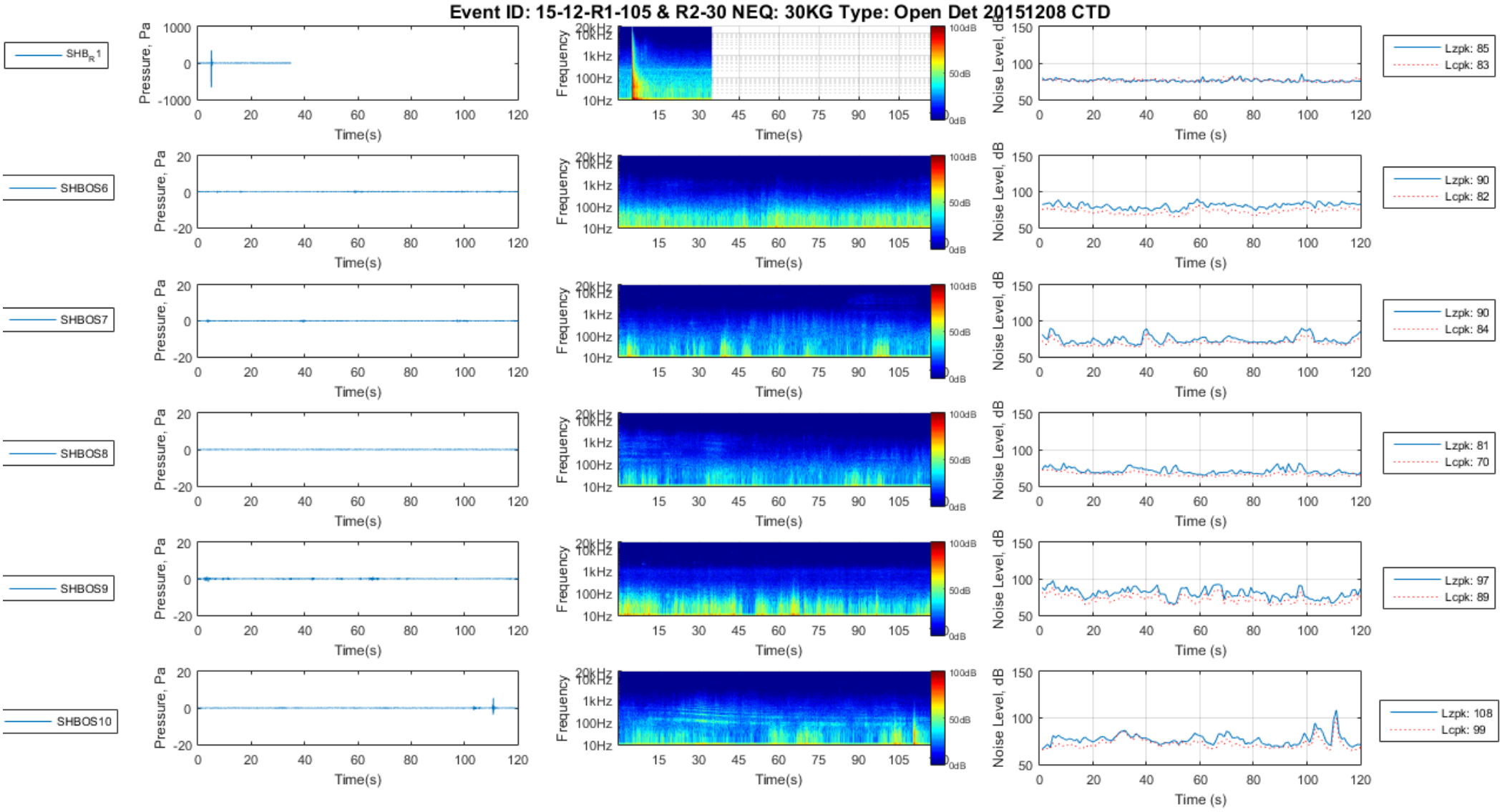


FIGURE 2.1985: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-103 & R2-29


Event ID: 15-12-R1-105 & R2-30 NEQ: 30KG Type: Open Det 20151208
SHB_R 1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 85
Lcpk: 83
Lzpk: 93
Lcpk: 85
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 92
Lcpk: 83
Lzpk: 121
Lcpk: 114
Lzpk: 113
Lcpk: 104


Event ID: 15-12-R1-105 & R2-30 NEQ: 30KG Type: Open Det 20151208 CTD
SHB_R1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 85
Lcpk: 83
Lzpk: 90
Lcpk: 82
Lzpk: 90
Lcpk: 84
Lzpk: 81
Lcpk: 70
Lzpk: 97
Lcpk: 89
Lzpk: 108
Lcpk: 99

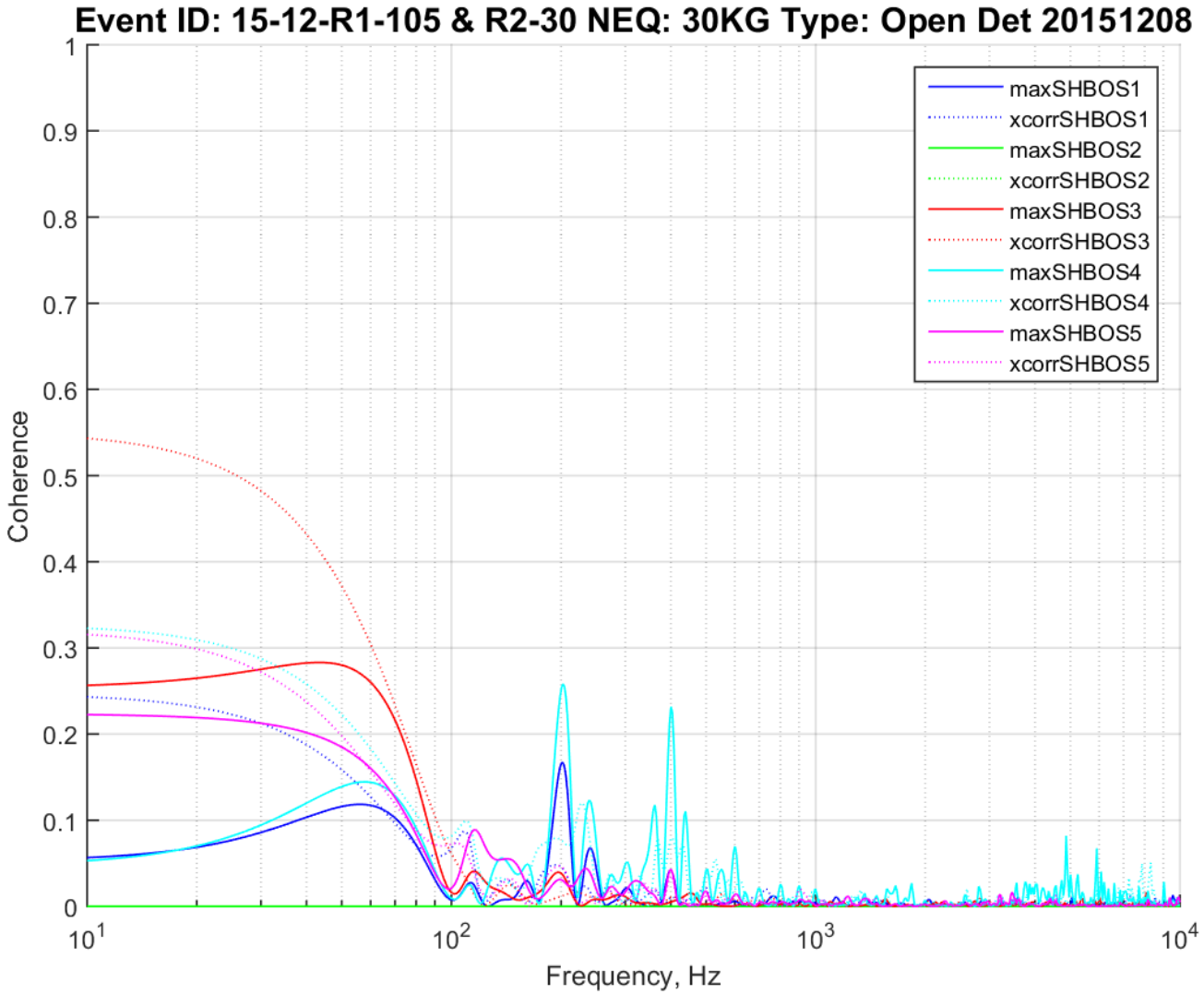


FIGURE 2.1988: COHERENCE SHB_OS 1 - 5 15-12-R1-105 & R2-30

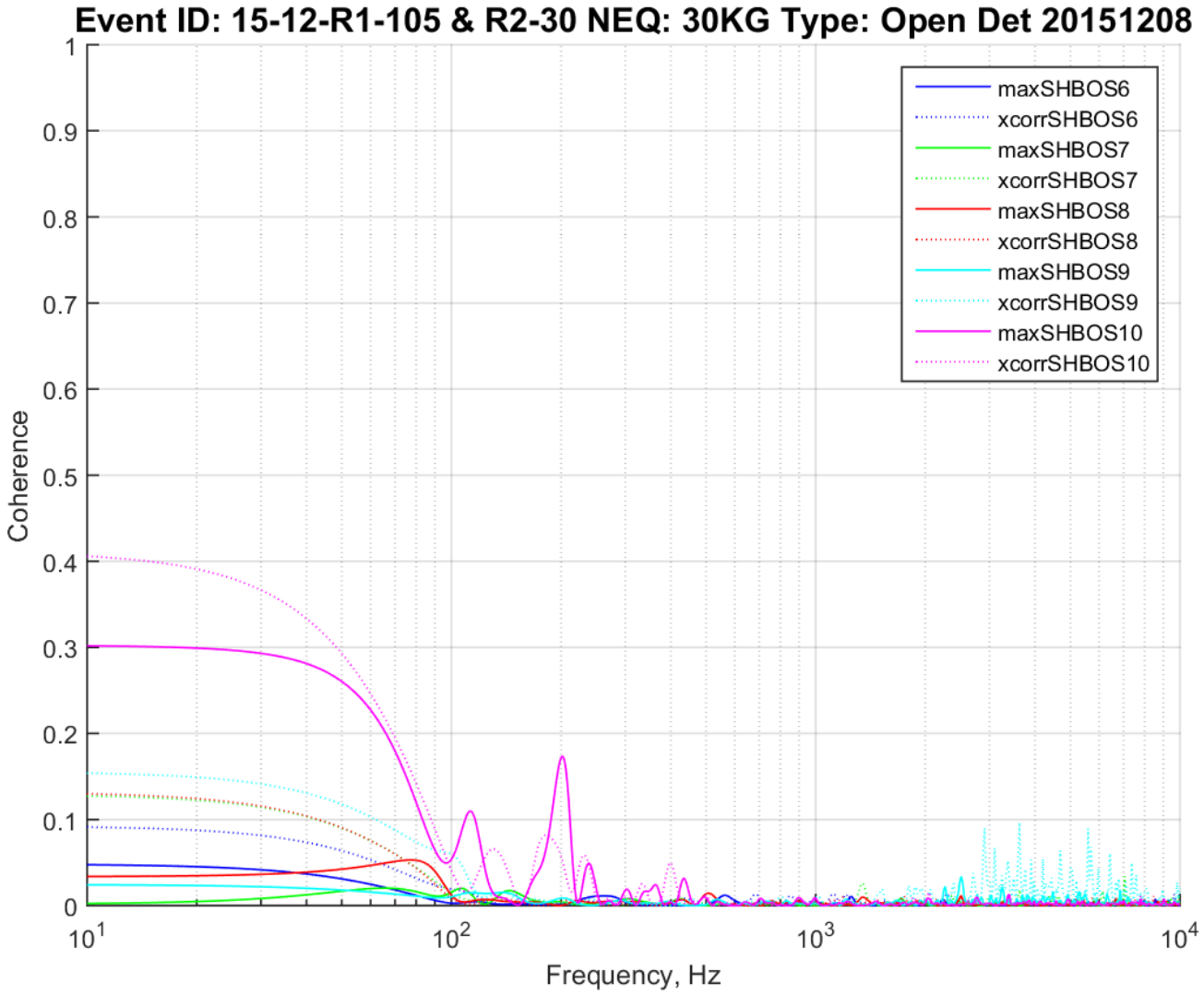


FIGURE 2.1989: COHERENCE SHB_OS 6 - 10 15-12-R1-105 & R2-30CTD

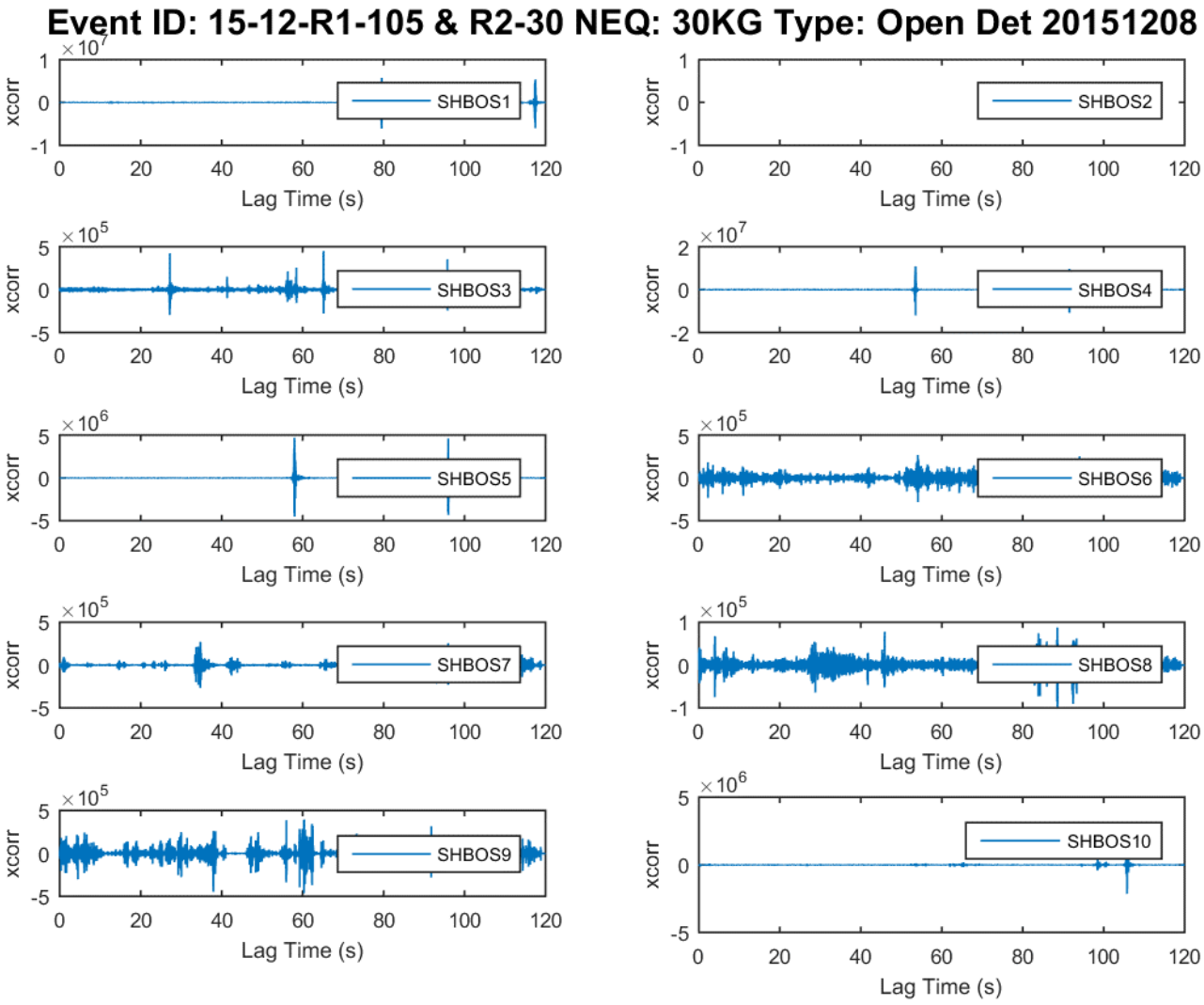


FIGURE 2.1990: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-105 & R2-30

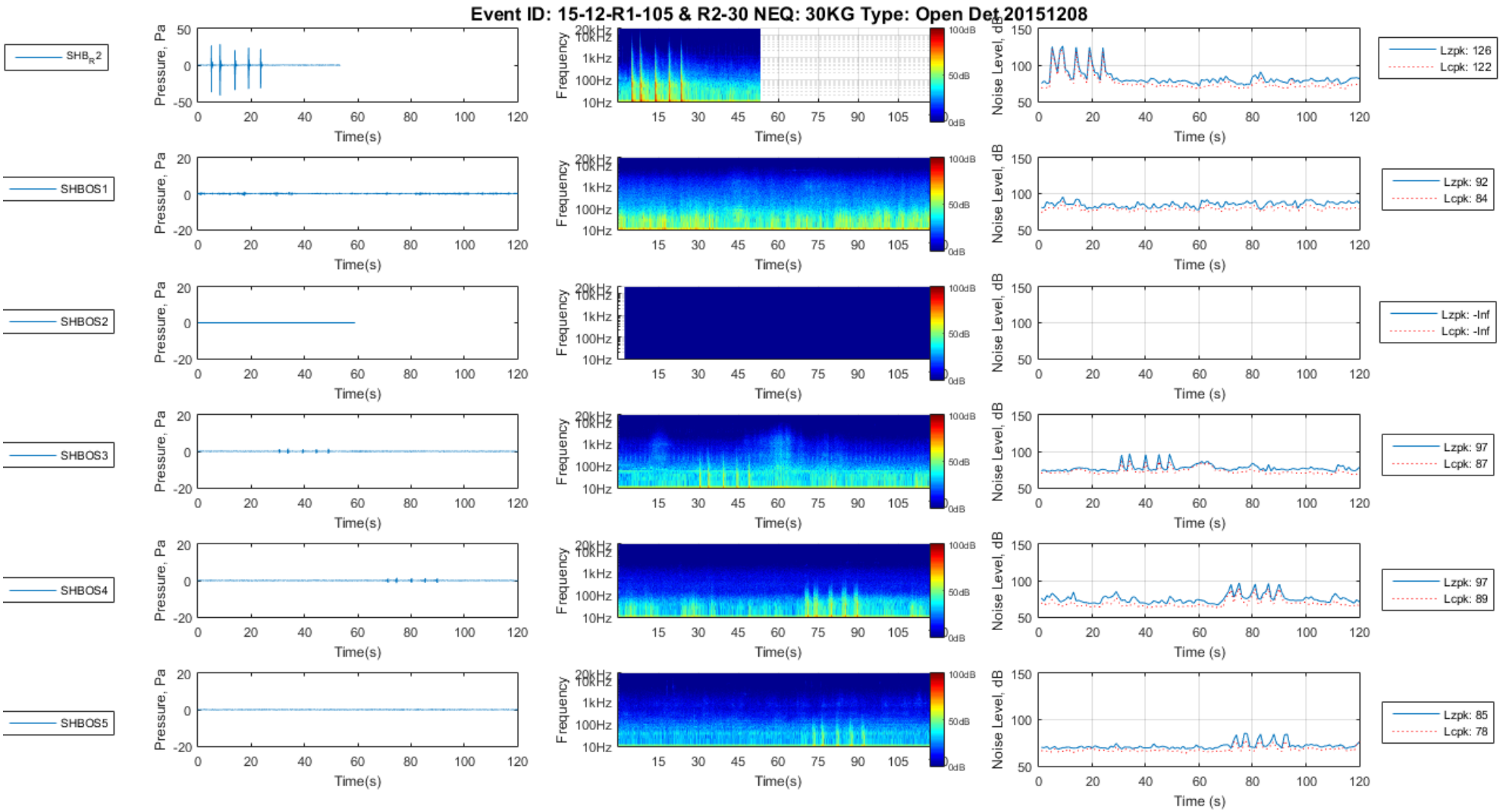


FIGURE 2.1991: SHB_OS 1 - 5 15-12-R1-105 & R2-30

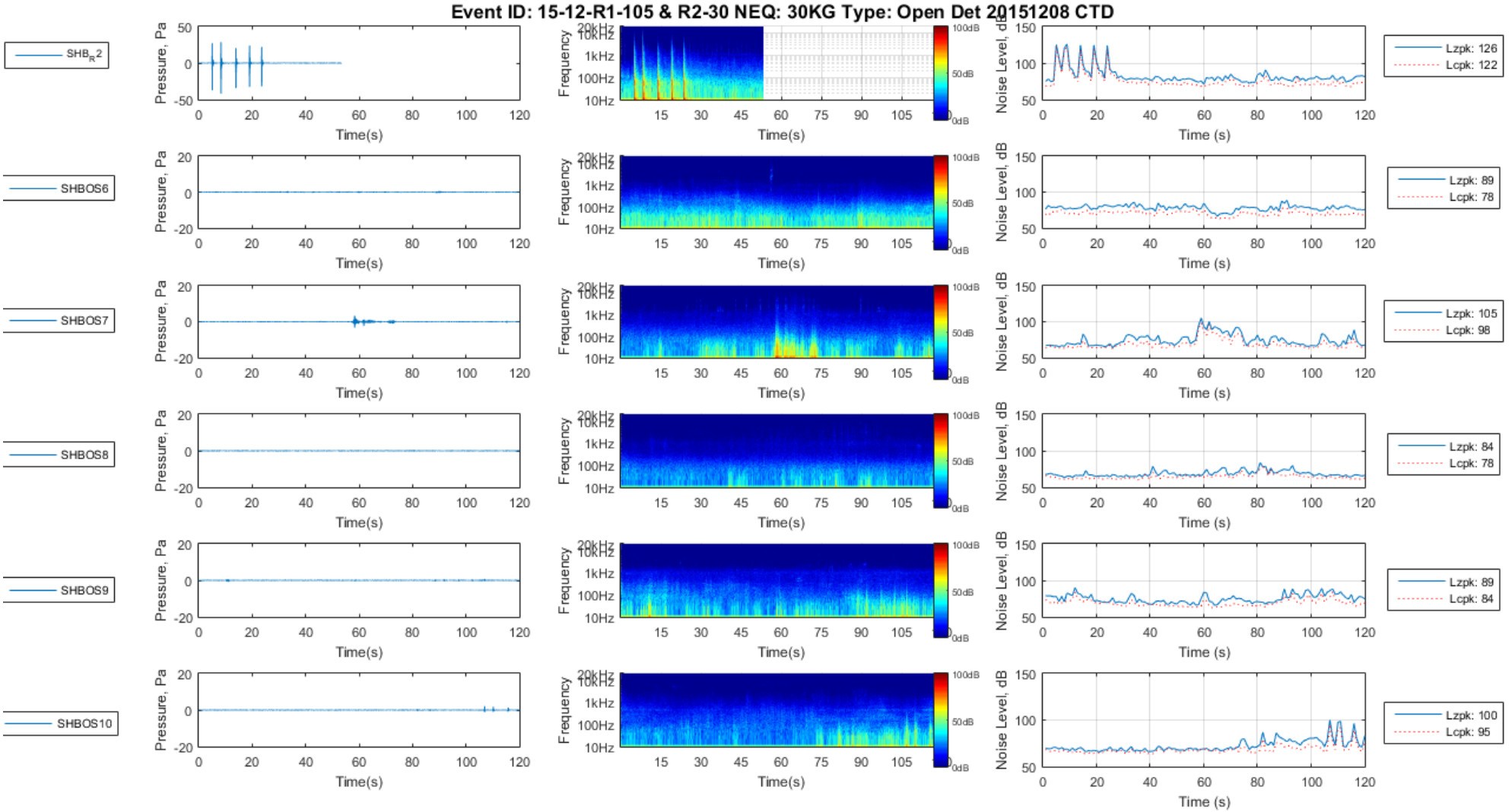


FIGURE 2.1992: SHB_OS 6 - 10 15-12-R1-105 & R2-30

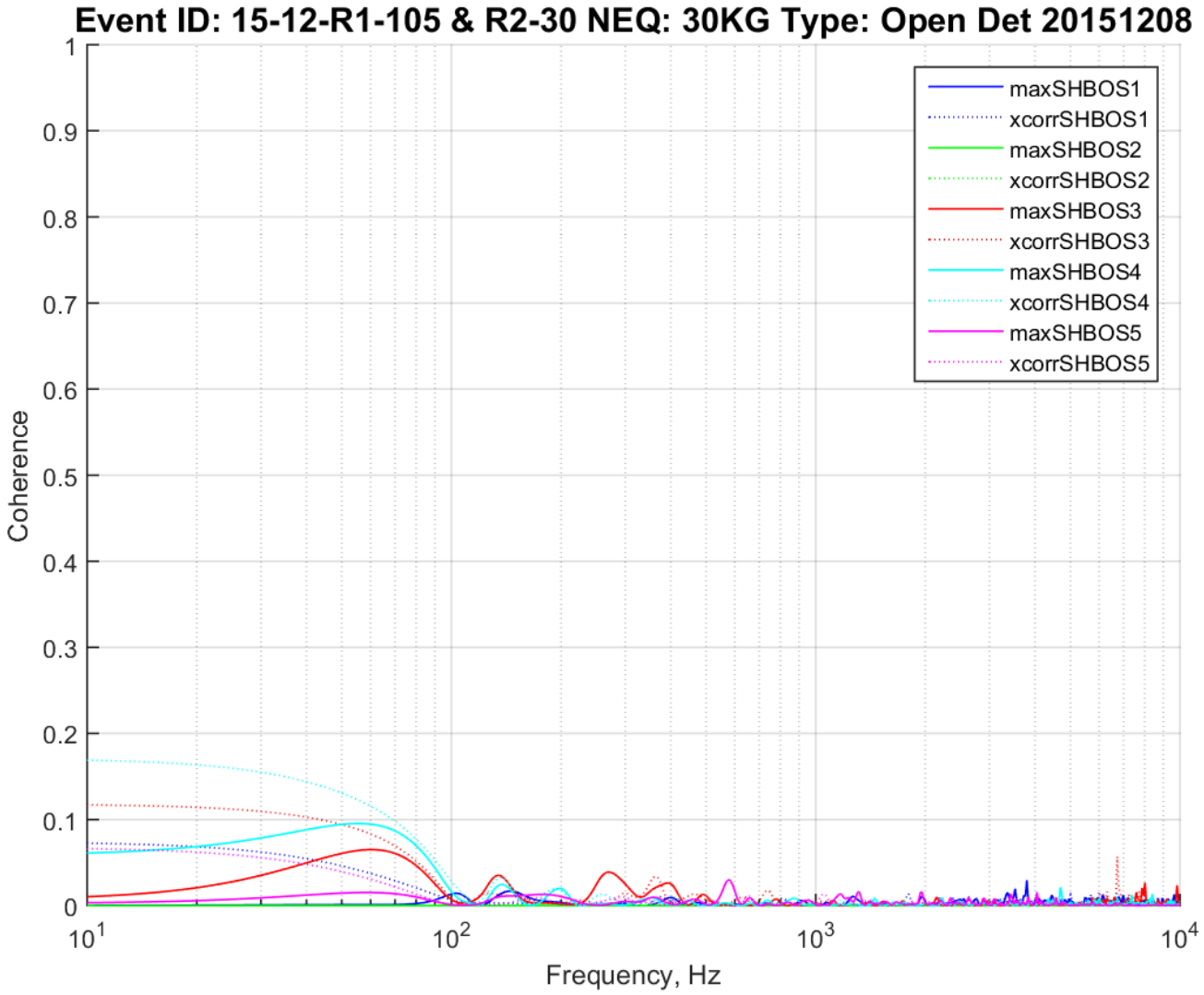


FIGURE 2.1993: COHERENCE SHB_OS 1 - 5 15-12-R1-105 & R2-30

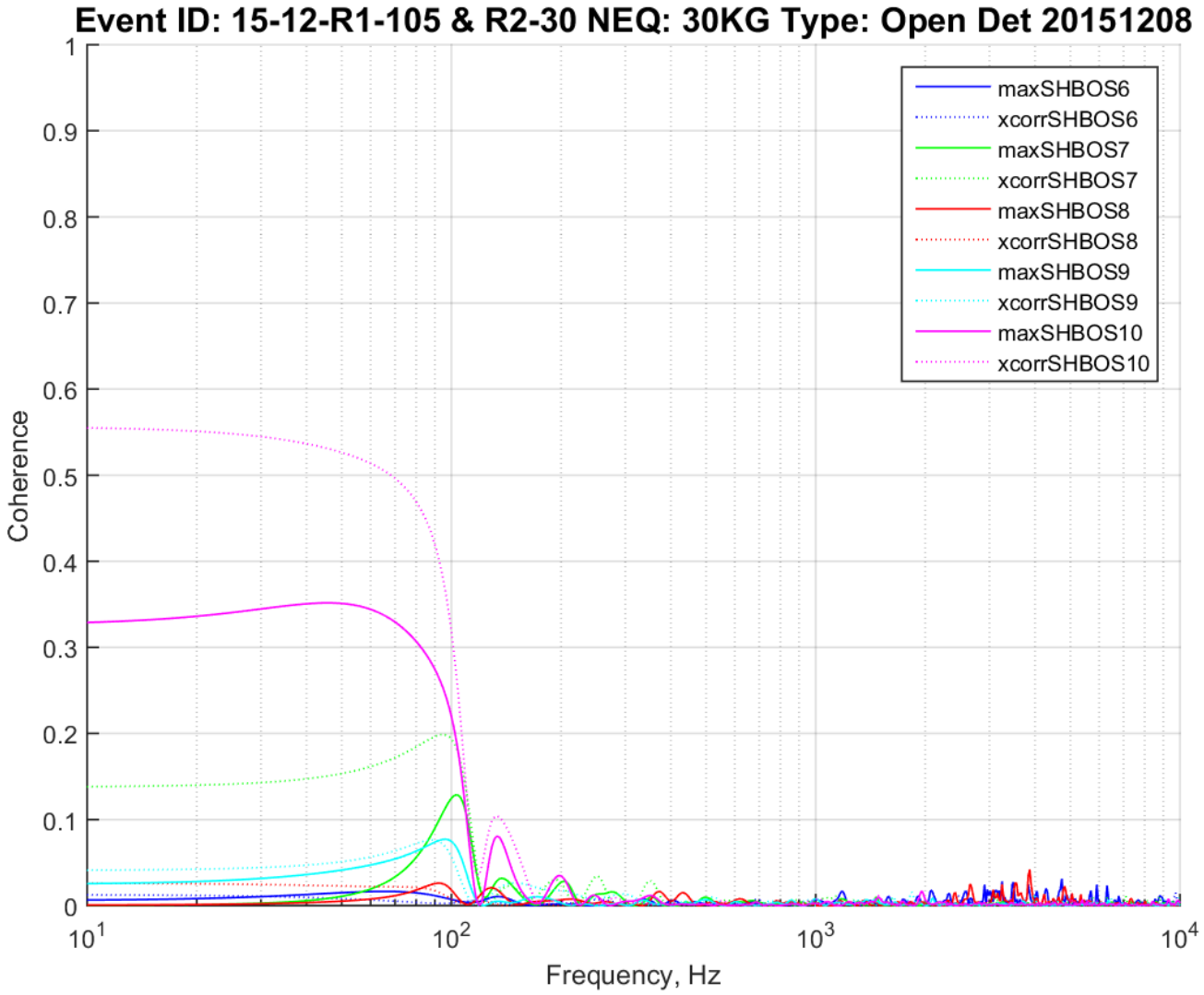


FIGURE 2.1994: COHERENCE SHB_OS 6 - 10 15-12-R1-105 & R2-30CTD

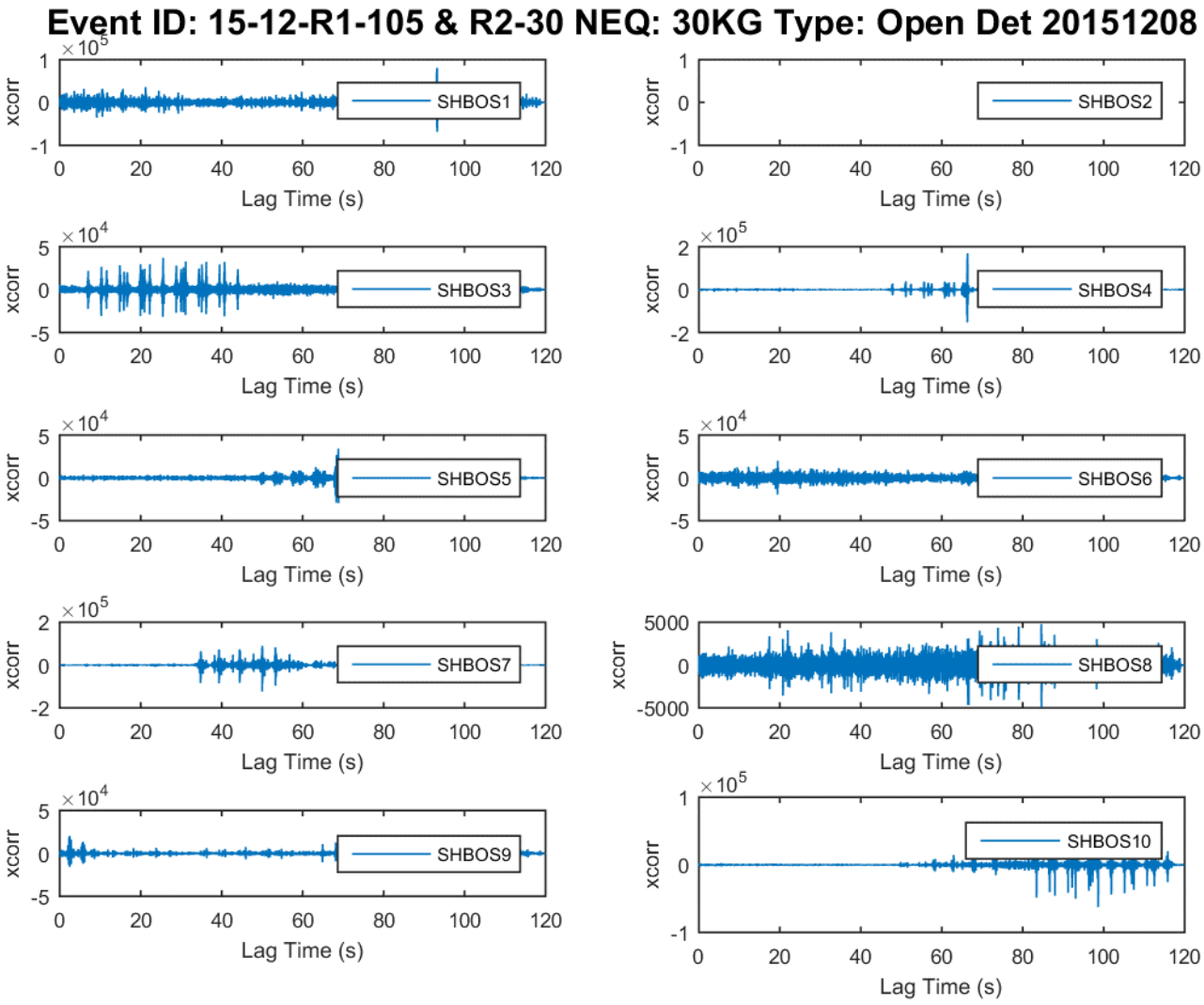


FIGURE 2.1995: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-105 & R2-30

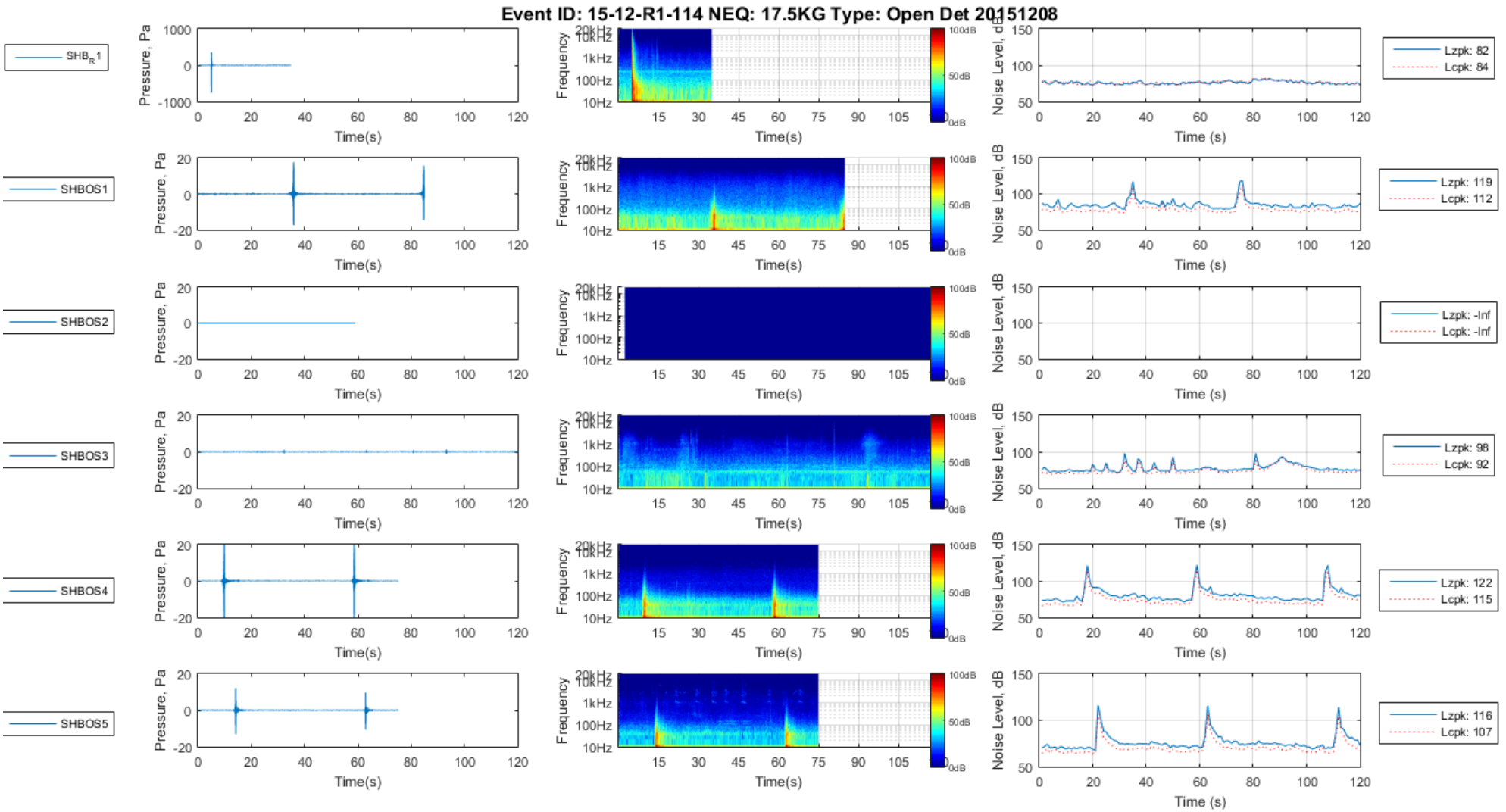


FIGURE 2.1996: SHB_OS 1 - 5 15-12-R1-114

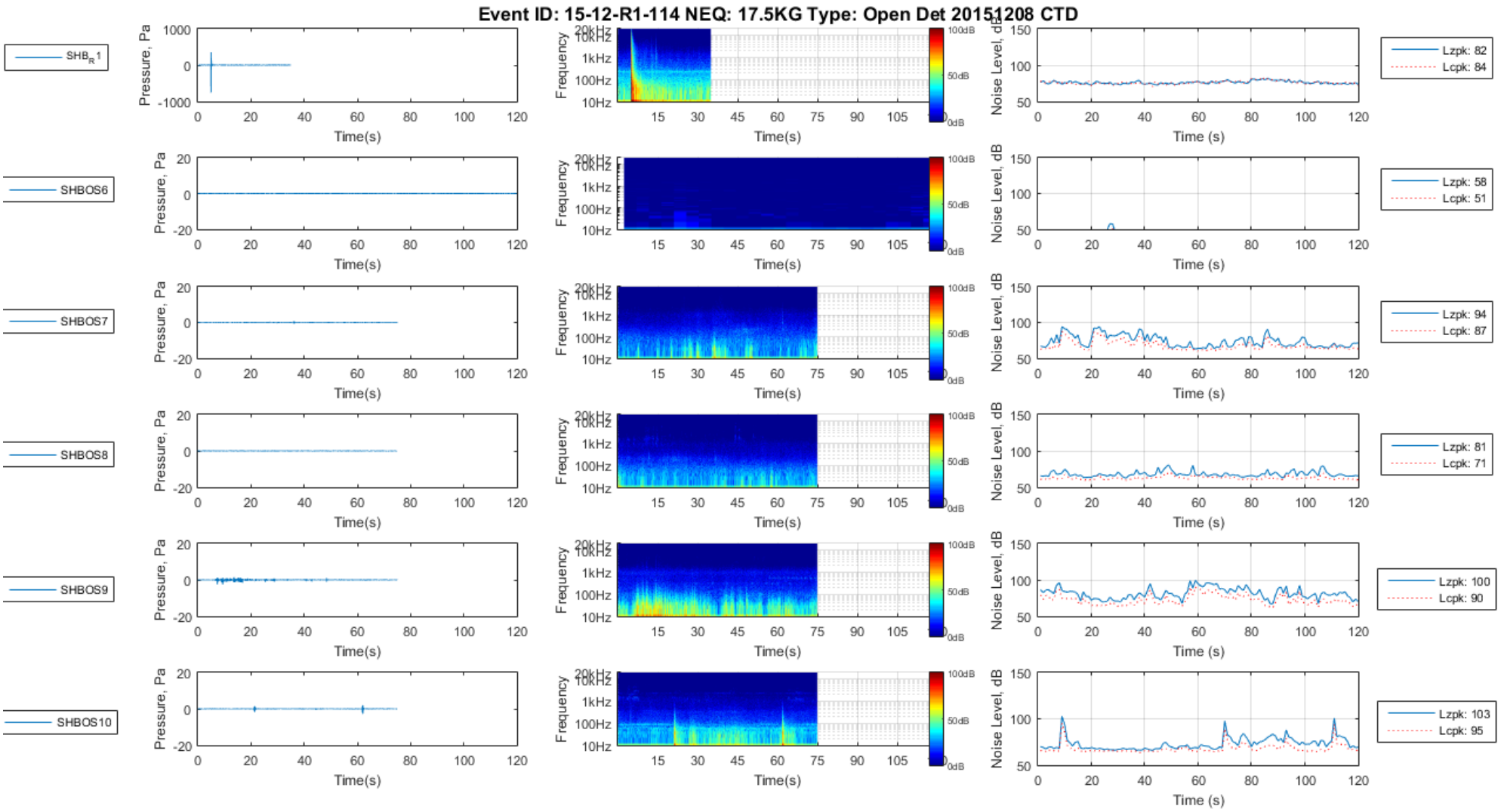


FIGURE 2.1997: SHB_OS 6 - 10 15-12-R1-114

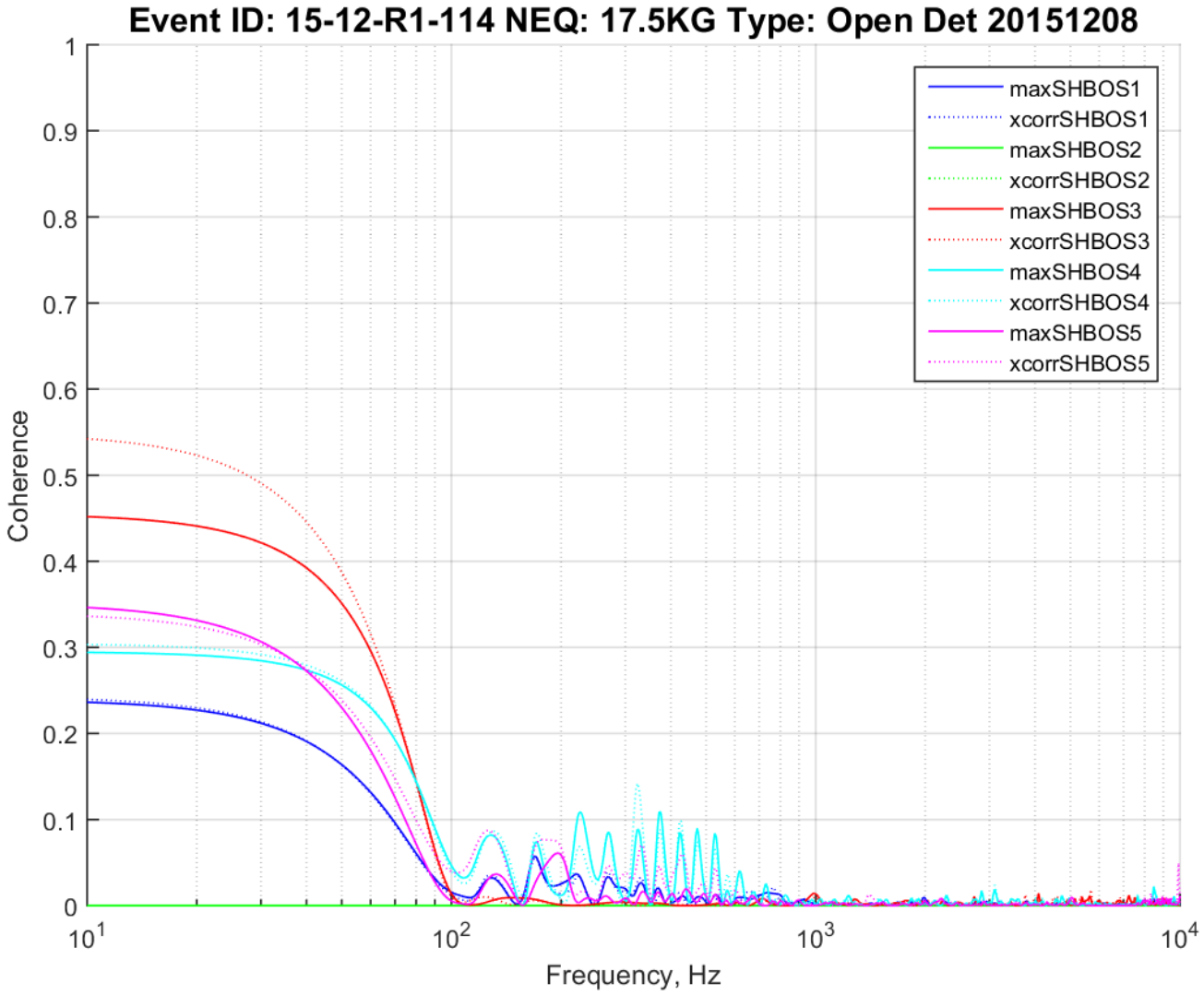


FIGURE 2.1998: COHERENCE SHB_OS 1 - 5 15-12-R1-114

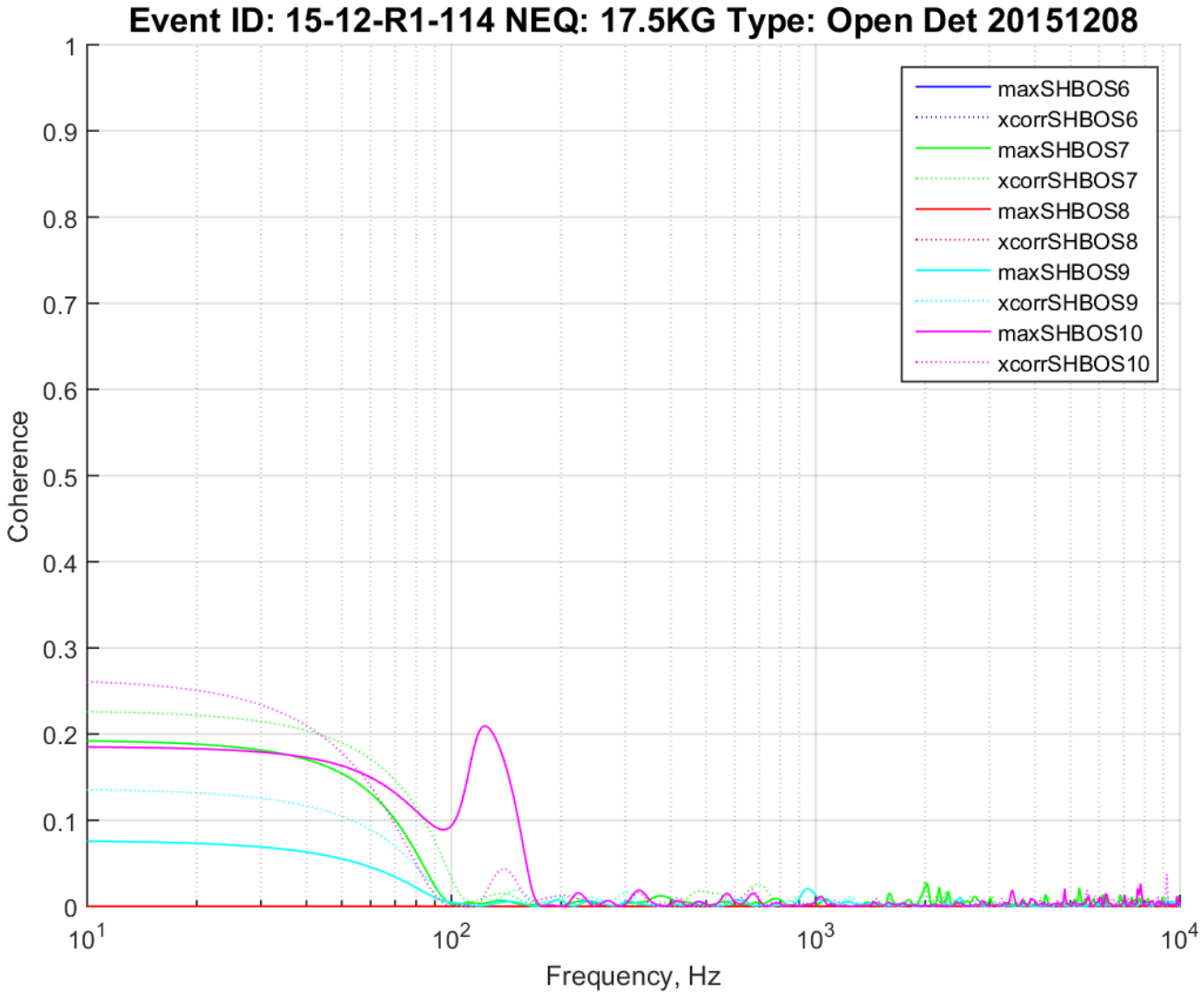


FIGURE 2.1999: COHERENCE SHB_OS 6 - 10 15-12-R1-114CTD

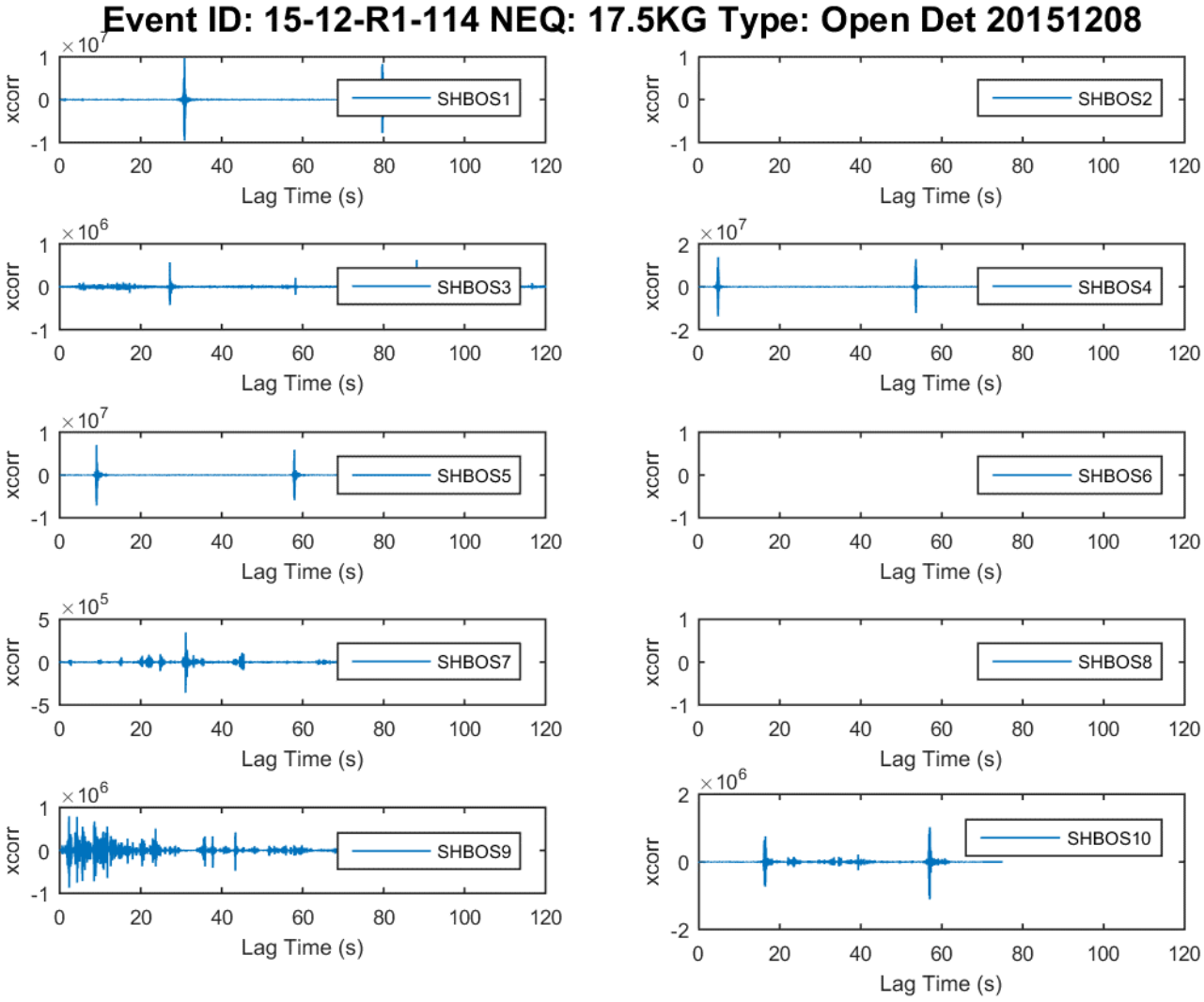


FIGURE 2.2000: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-114

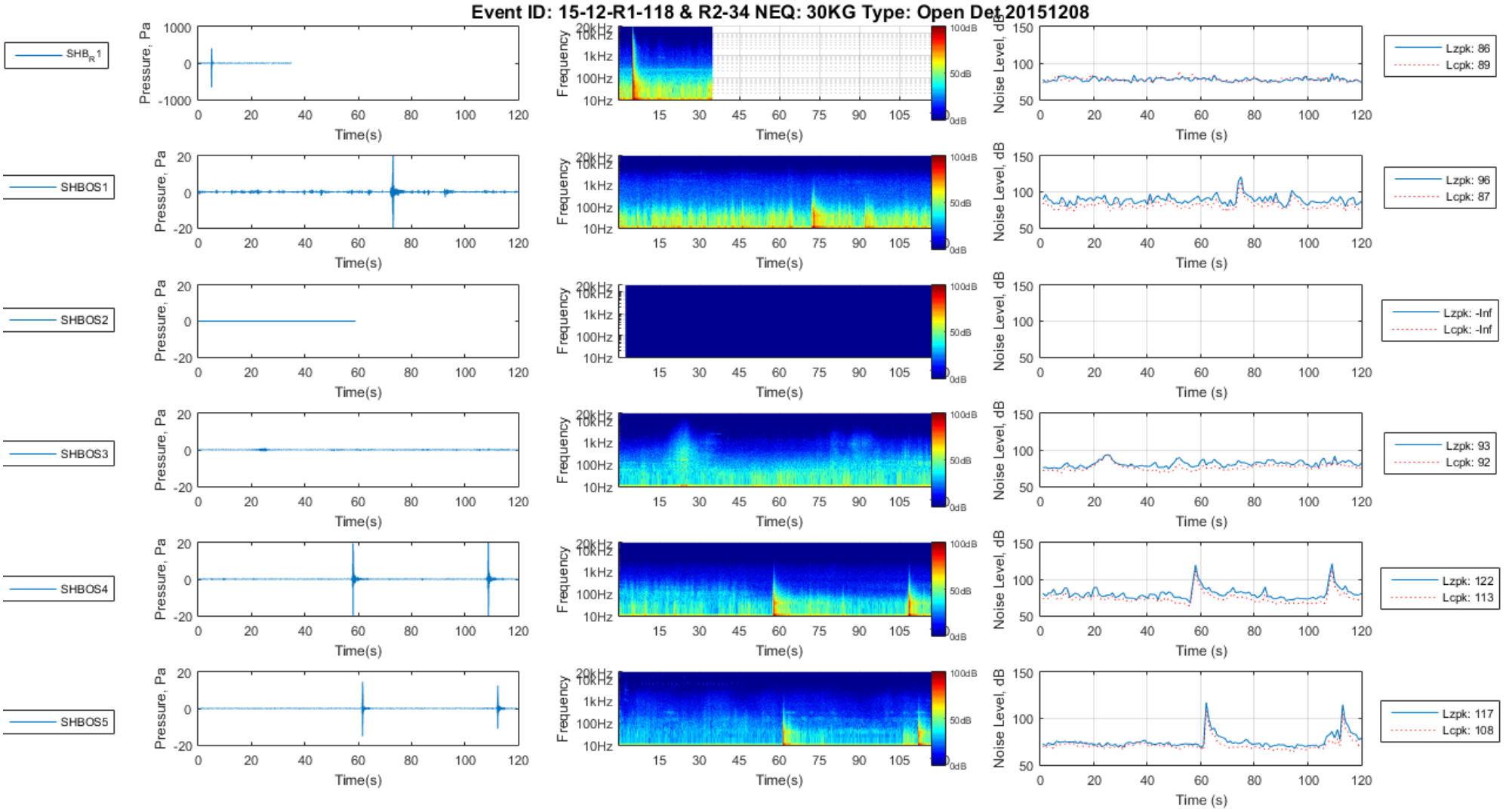


FIGURE 2.2001: SHB_OS 1 - 5 15-12-R1-118 & R2-34

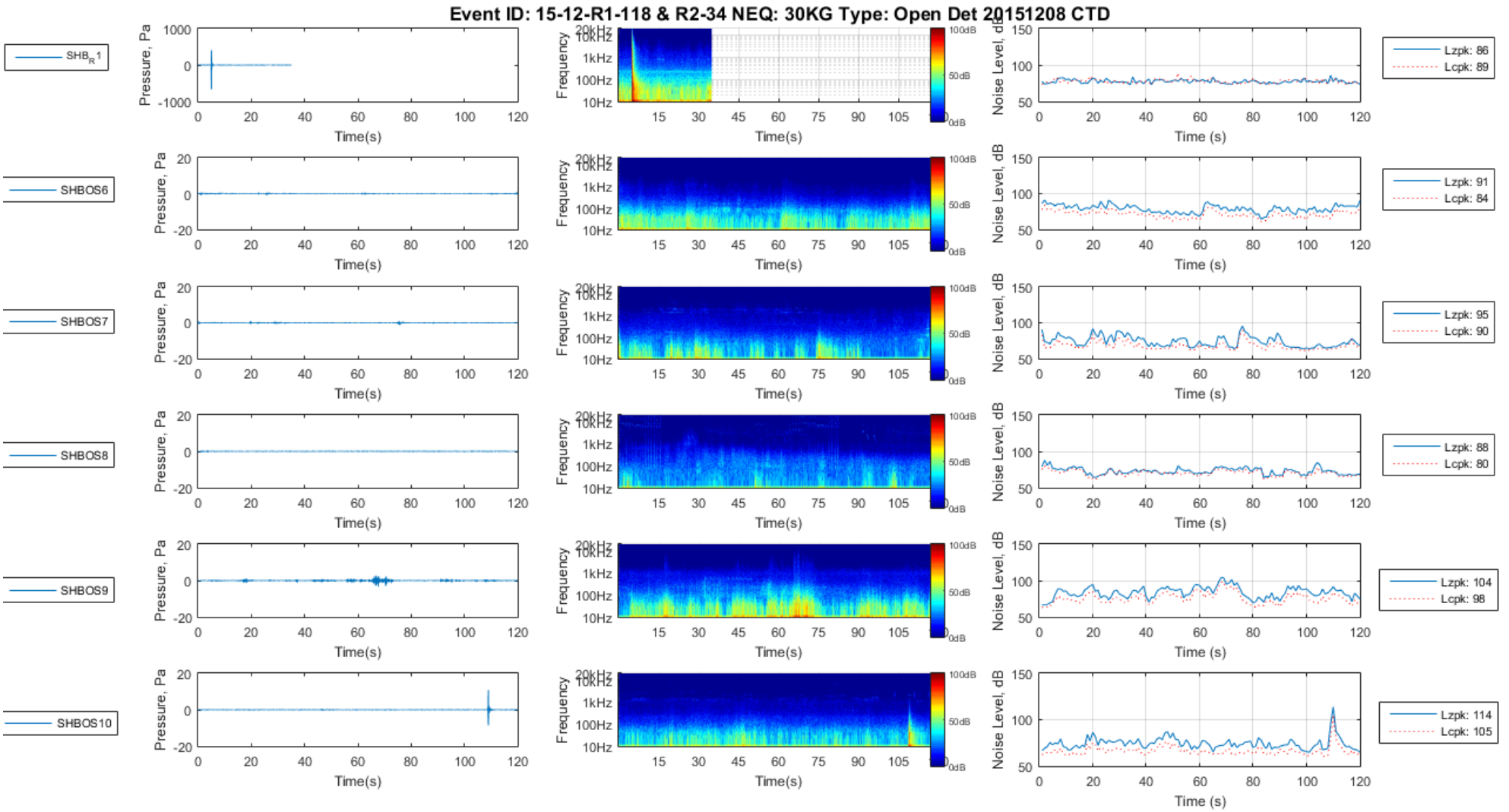


FIGURE 2.2002: SHB_OS 6 - 10 15-12-R1-118 & R2-34

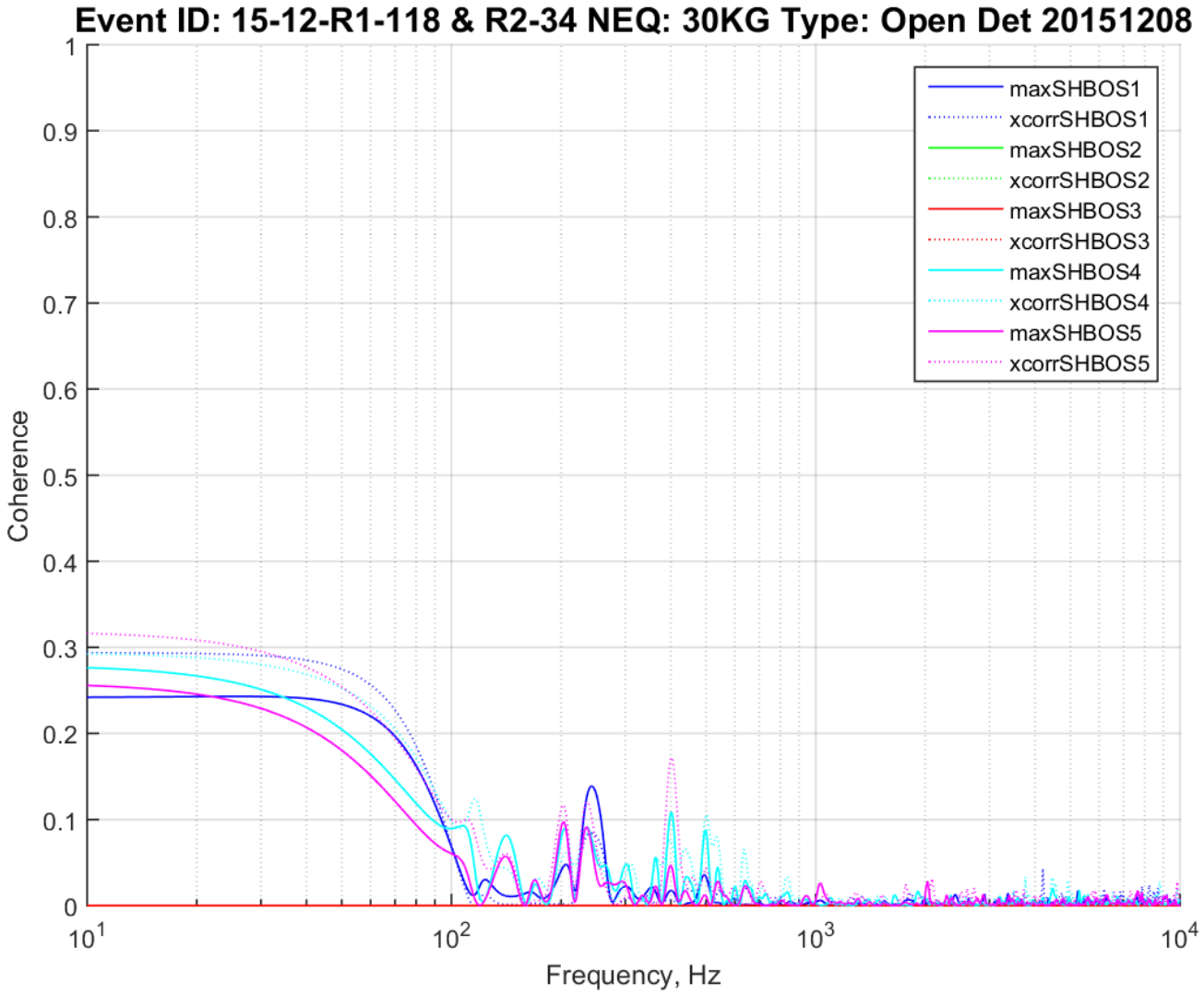


FIGURE 2.2003: COHERENCE SHB_OS 1 - 5 15-12-R1-118 & R2-34

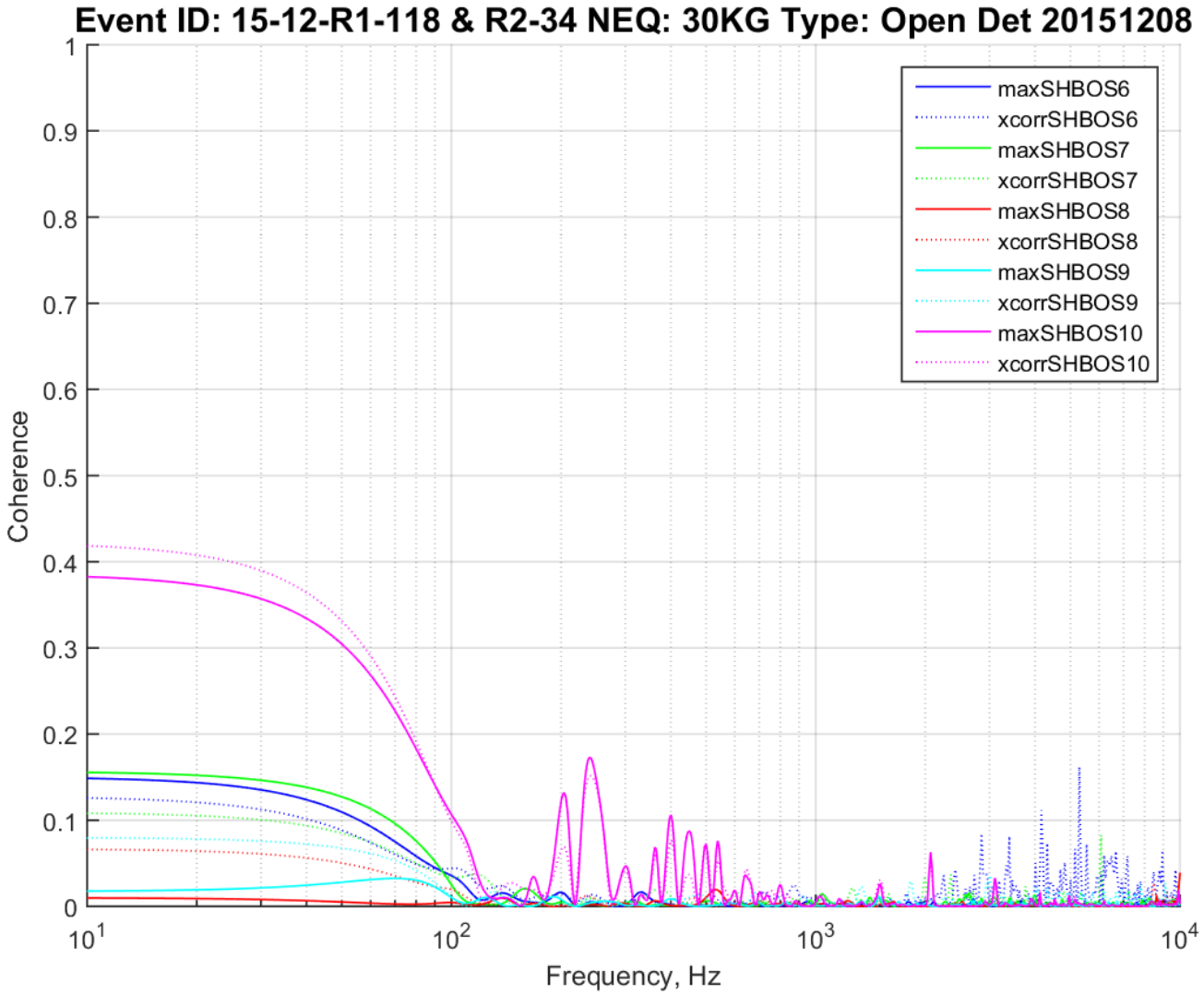


FIGURE 2.2004: COHERENCE SHB_OS 6 - 10 15-12-R1-118 & R2-34CTD

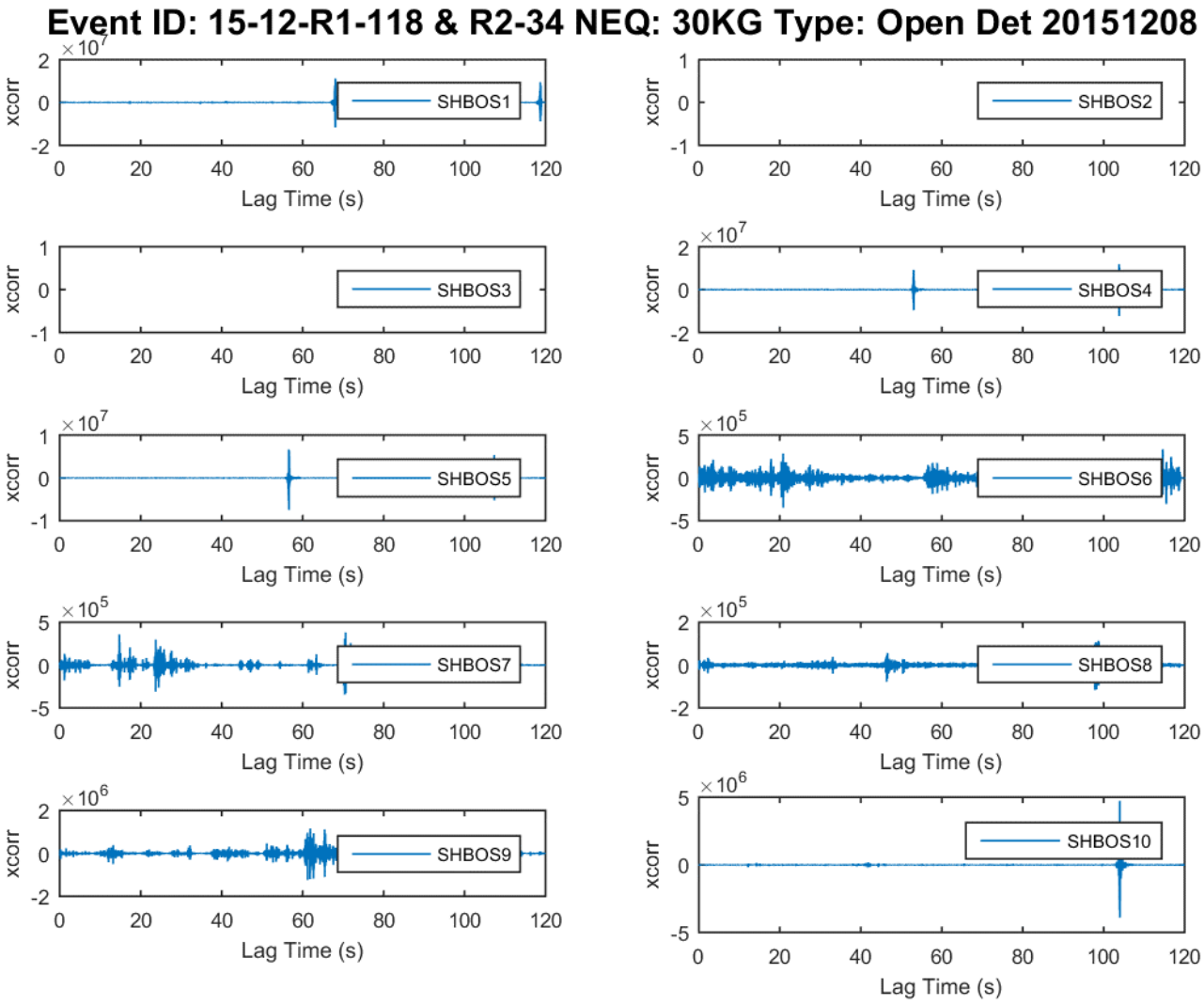


FIGURE 2.2005: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-118 & R2-34

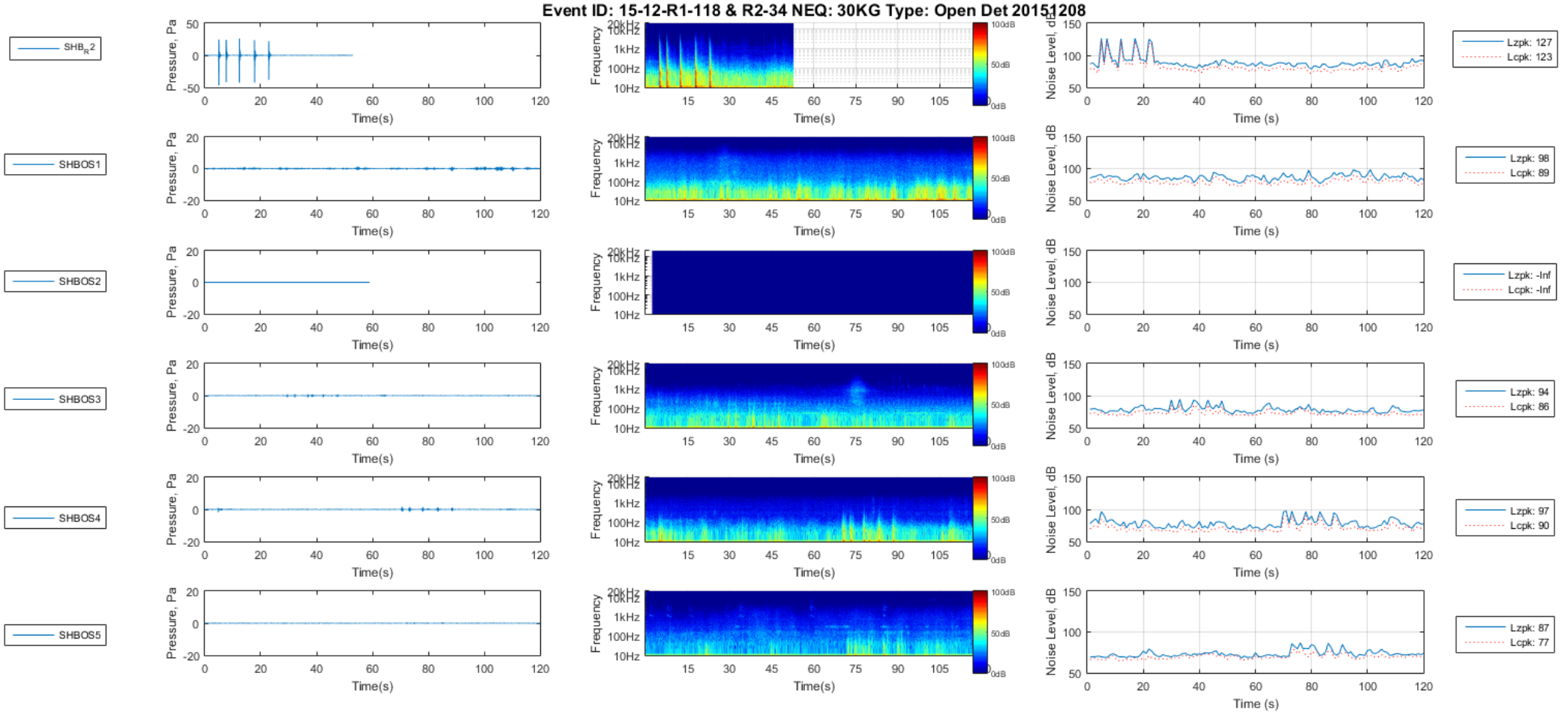


FIGURE 2.2006: SHB_OS 1 - 5 15-12-R1-118 & R2-34

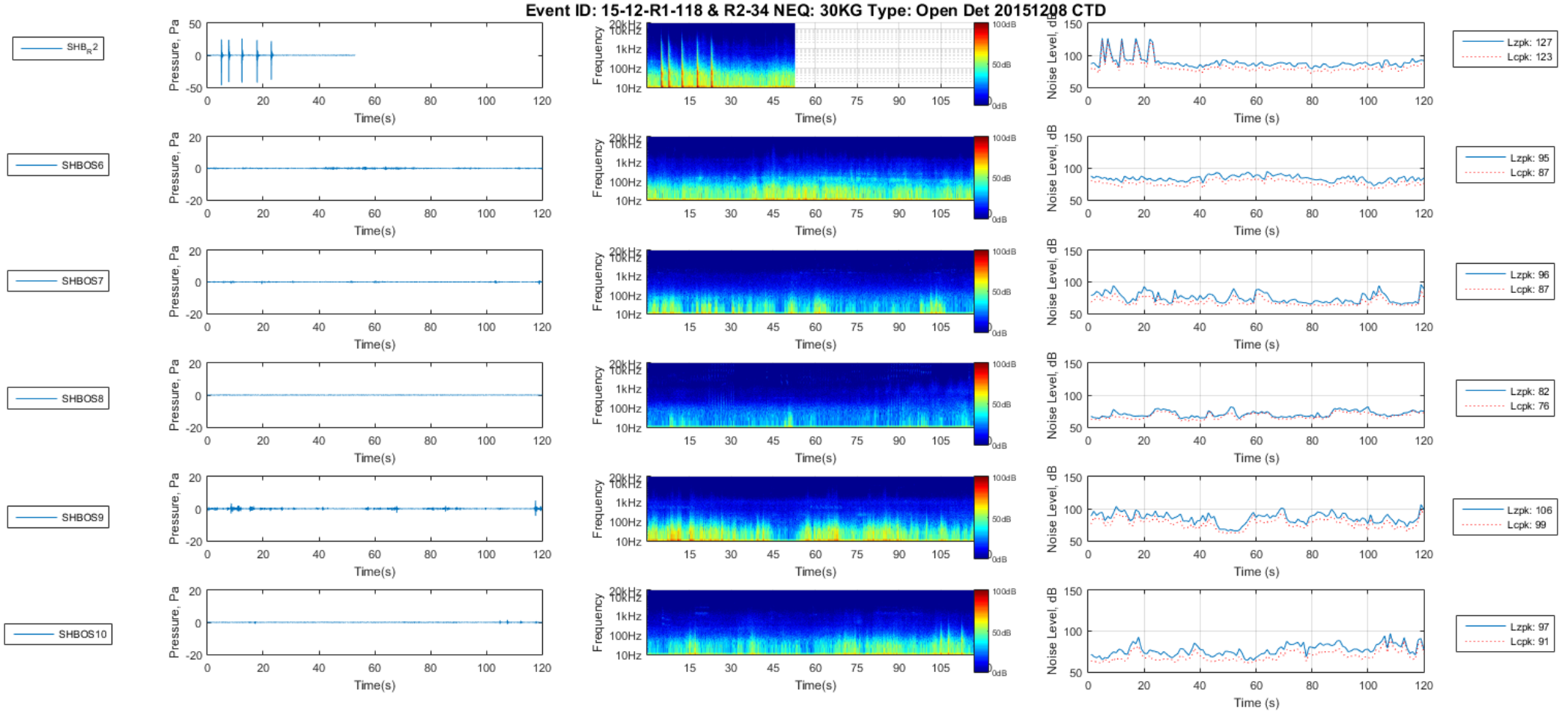


FIGURE 2.2007: SHB_OS 6 - 10 15-12-R1-118 & R2-34

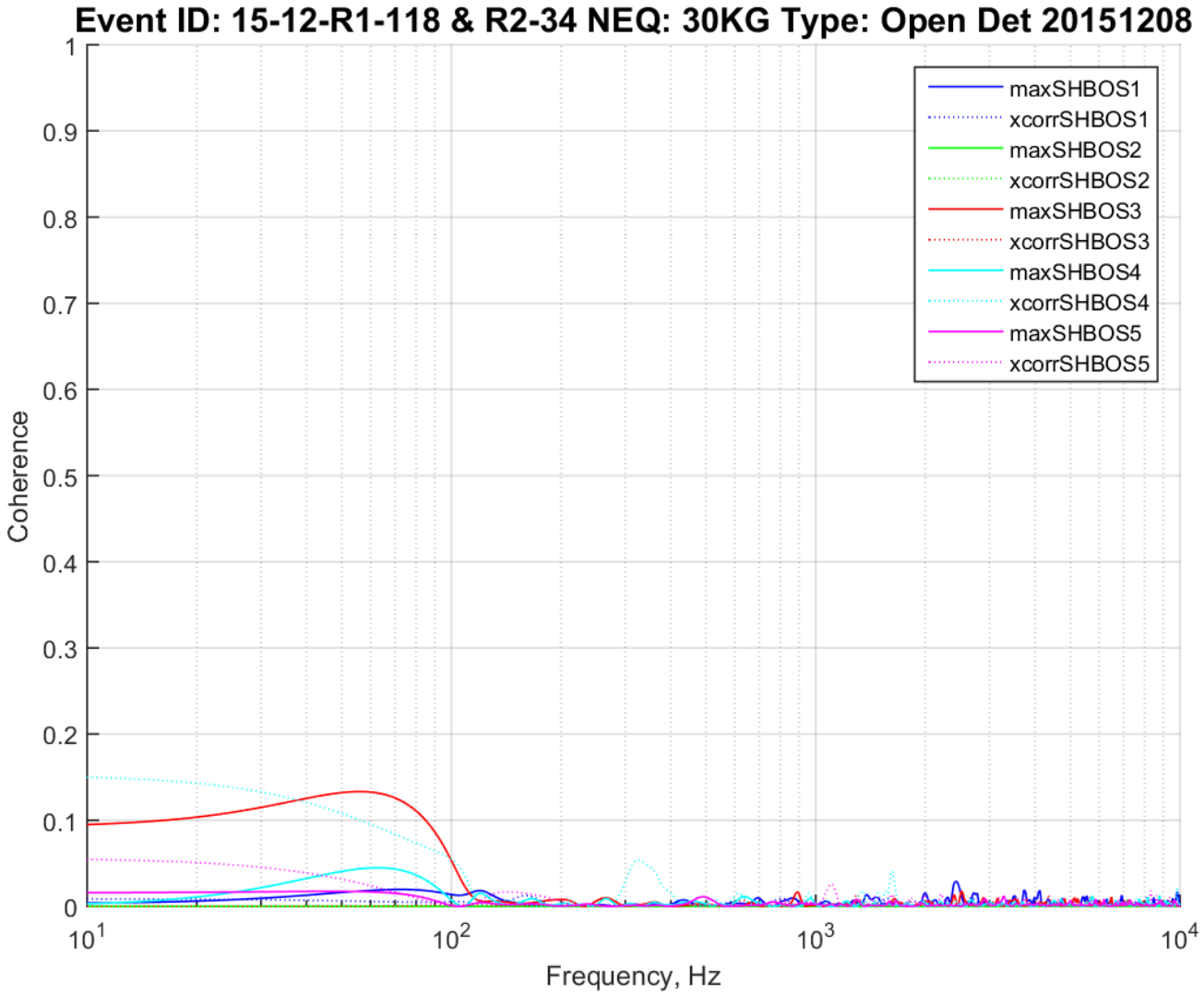


FIGURE 2.2008: COHERENCE SHB_OS 1 - 5 15-12-R1-118 & R2-34

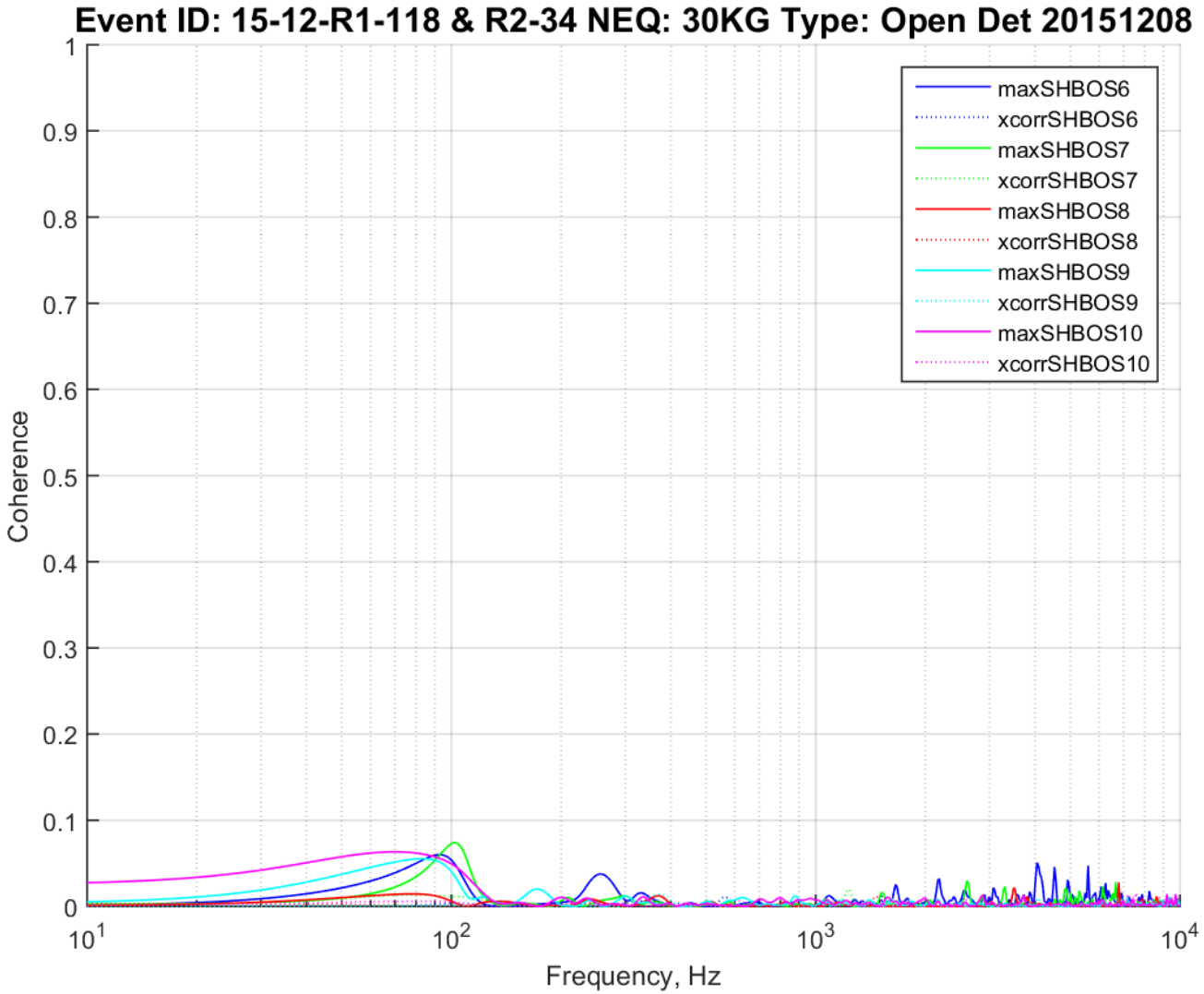


FIGURE 2.2009: COHERENCE SHB_OS 6 - 10 15-12-R1-118 & R2-34CTD

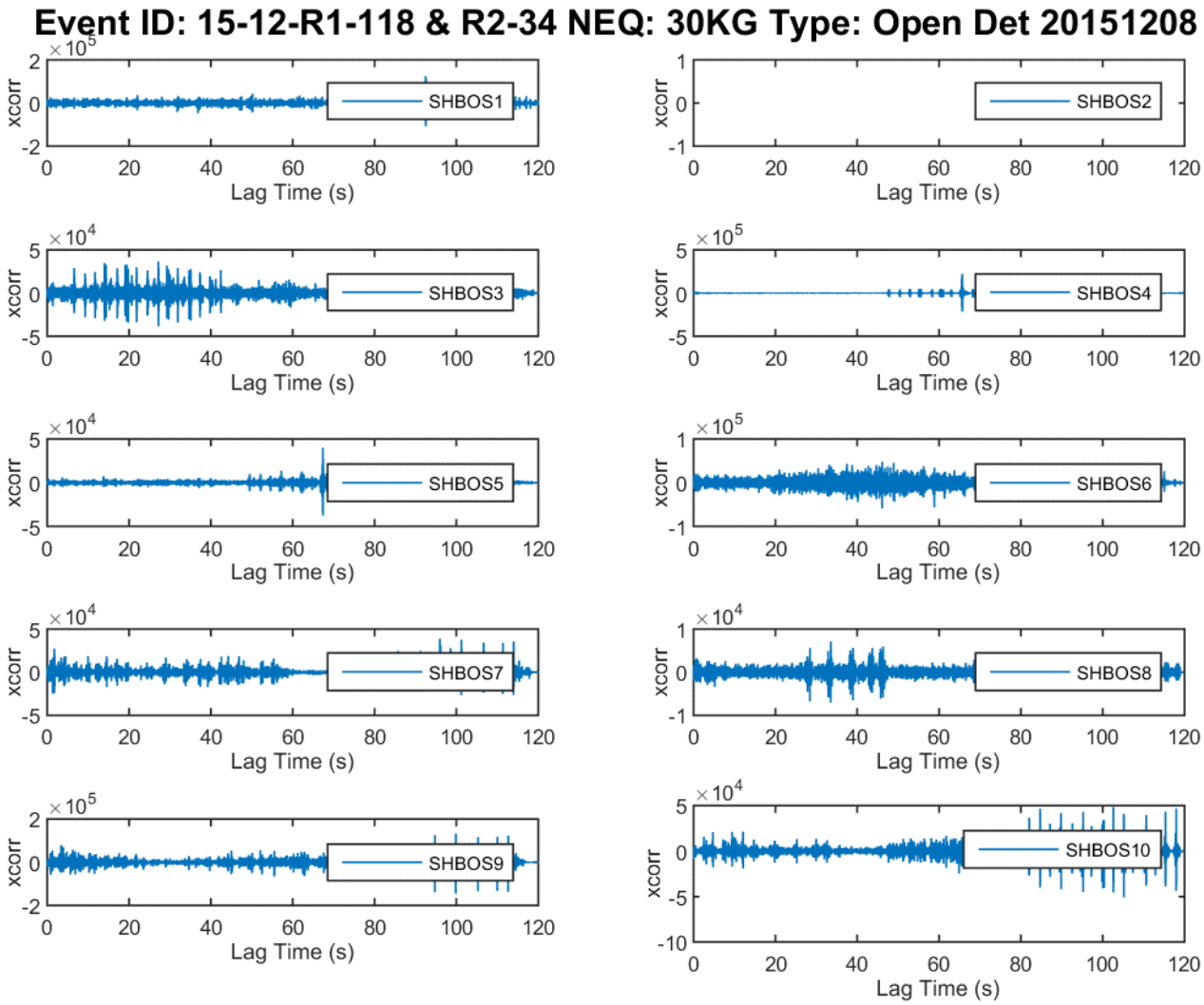


FIGURE 2.2010: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-118 & R2-34

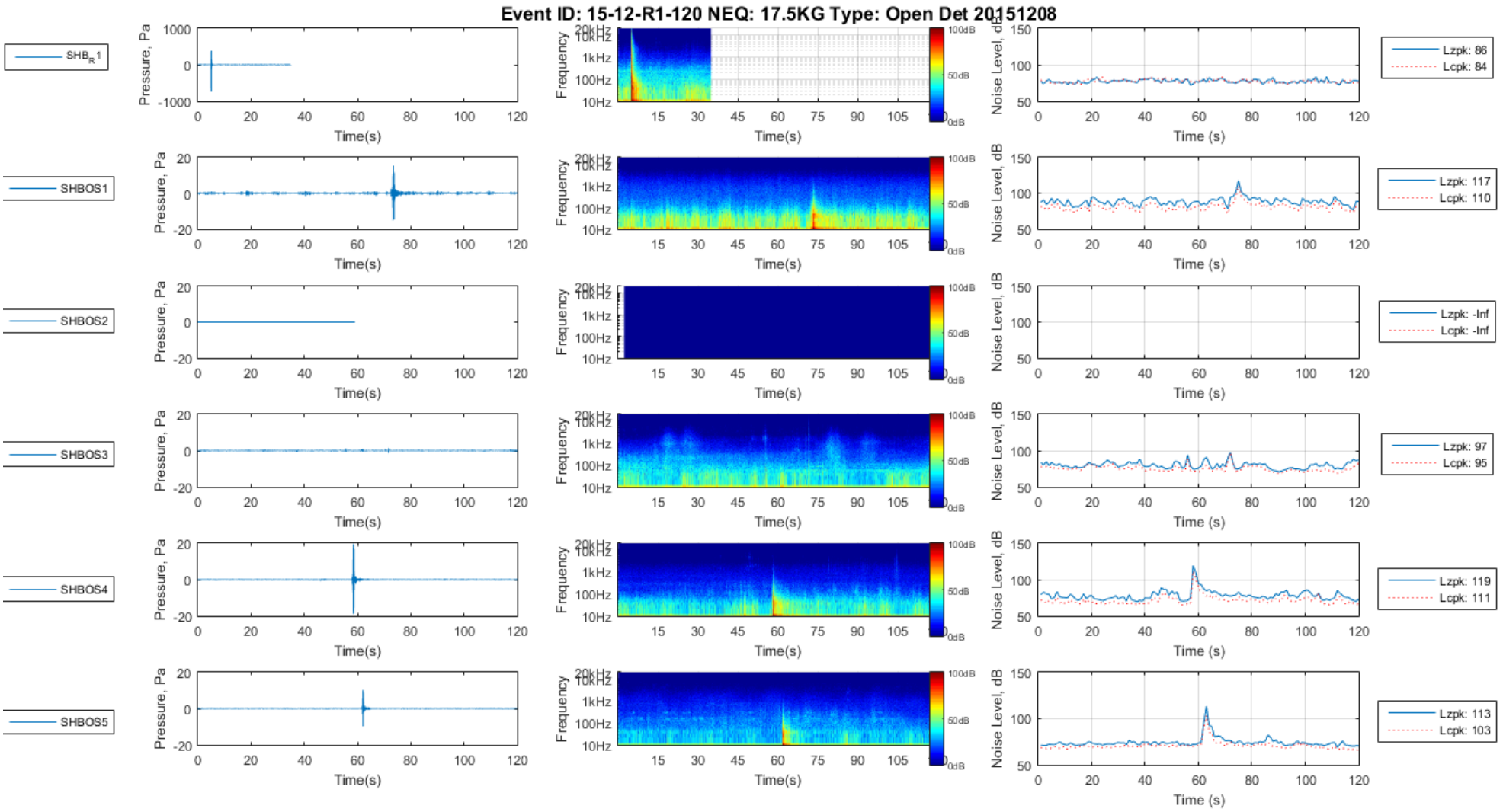


FIGURE 2.2011: SHB_OS 1 - 5 15-12-R1-120

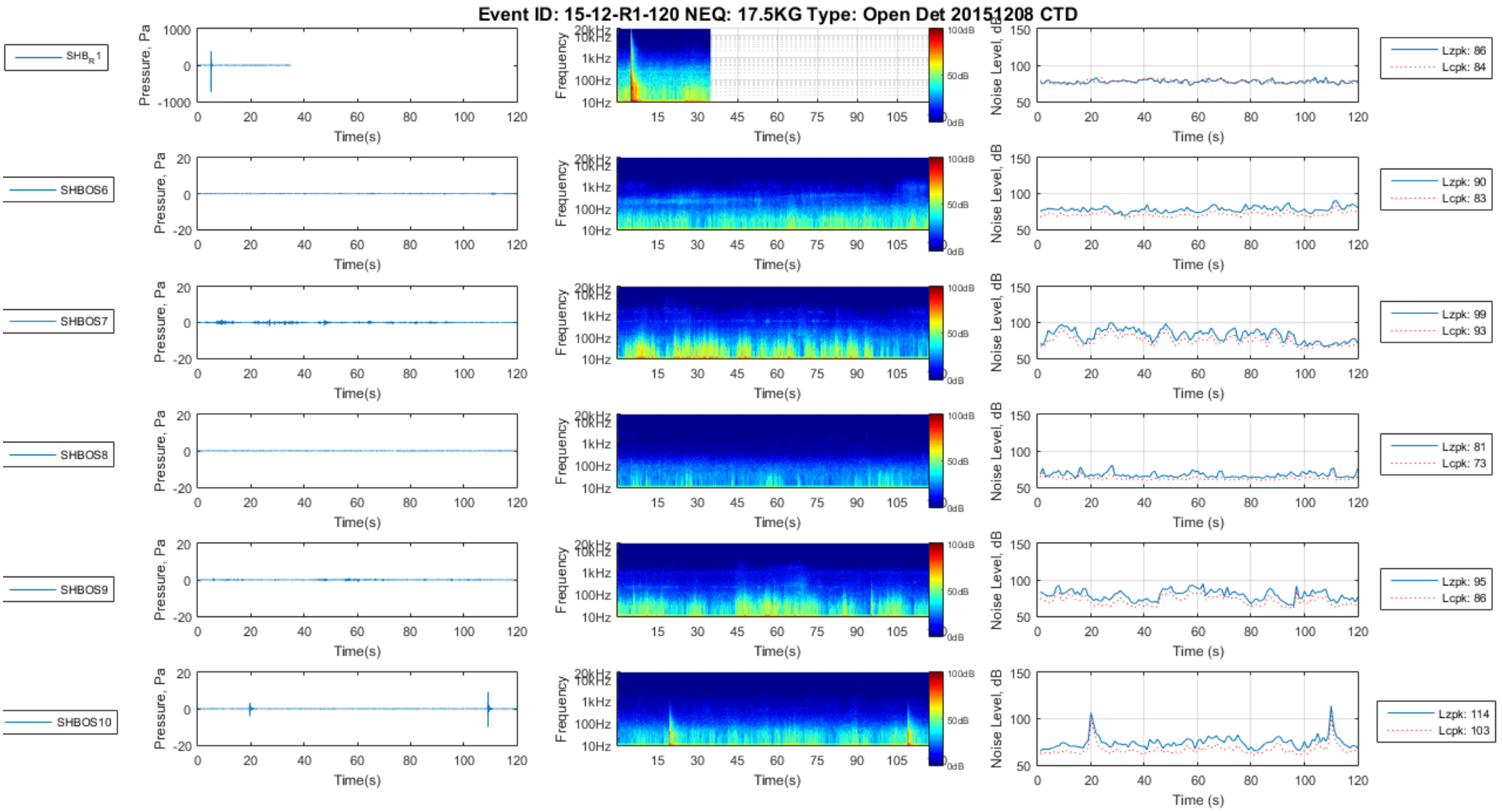


FIGURE 2.2012: SHB_OS 6 - 10 15-12-R1-120

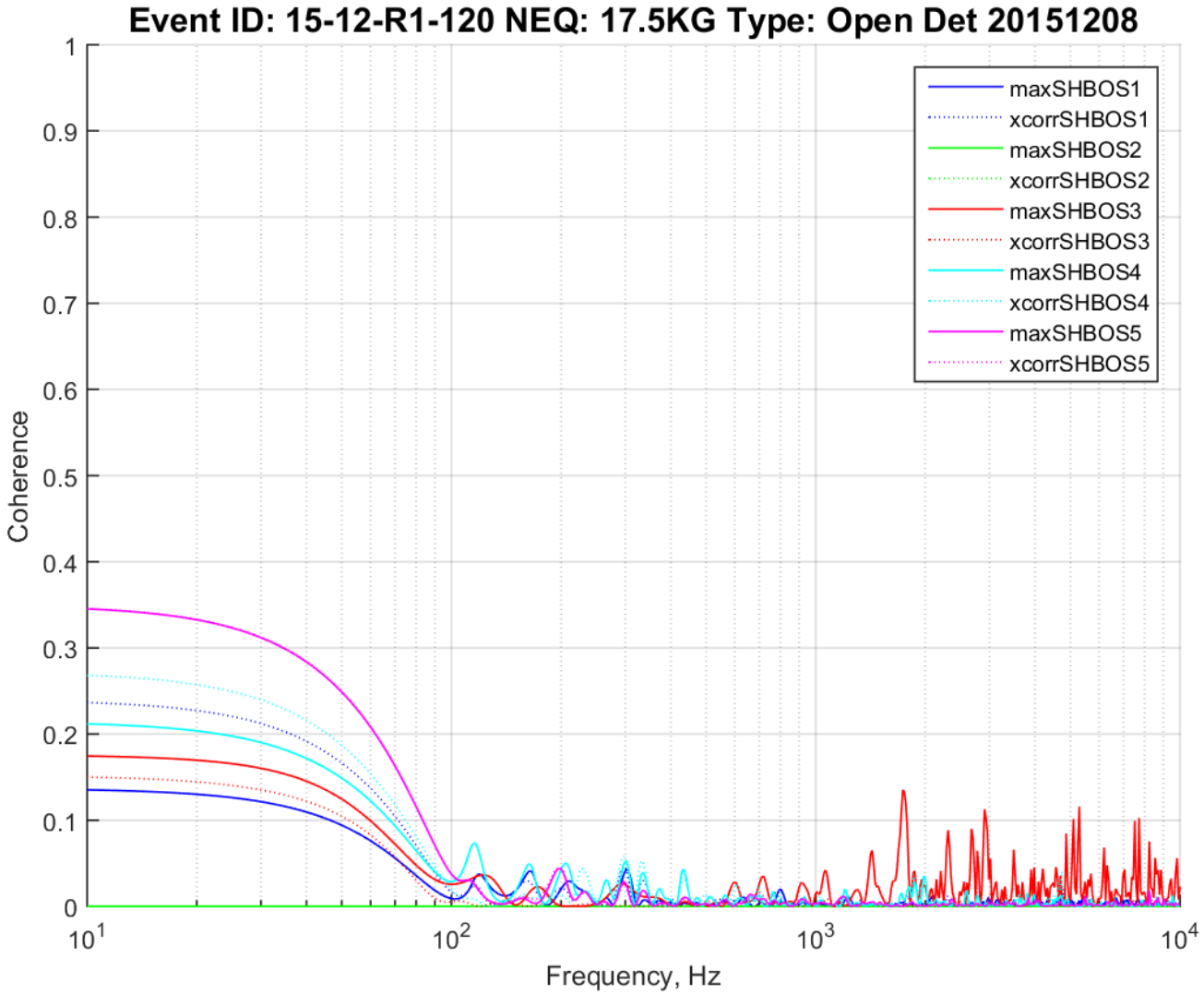


FIGURE 2.2013: COHERENCE SHB_OS 1 - 5 15-12-R1-120

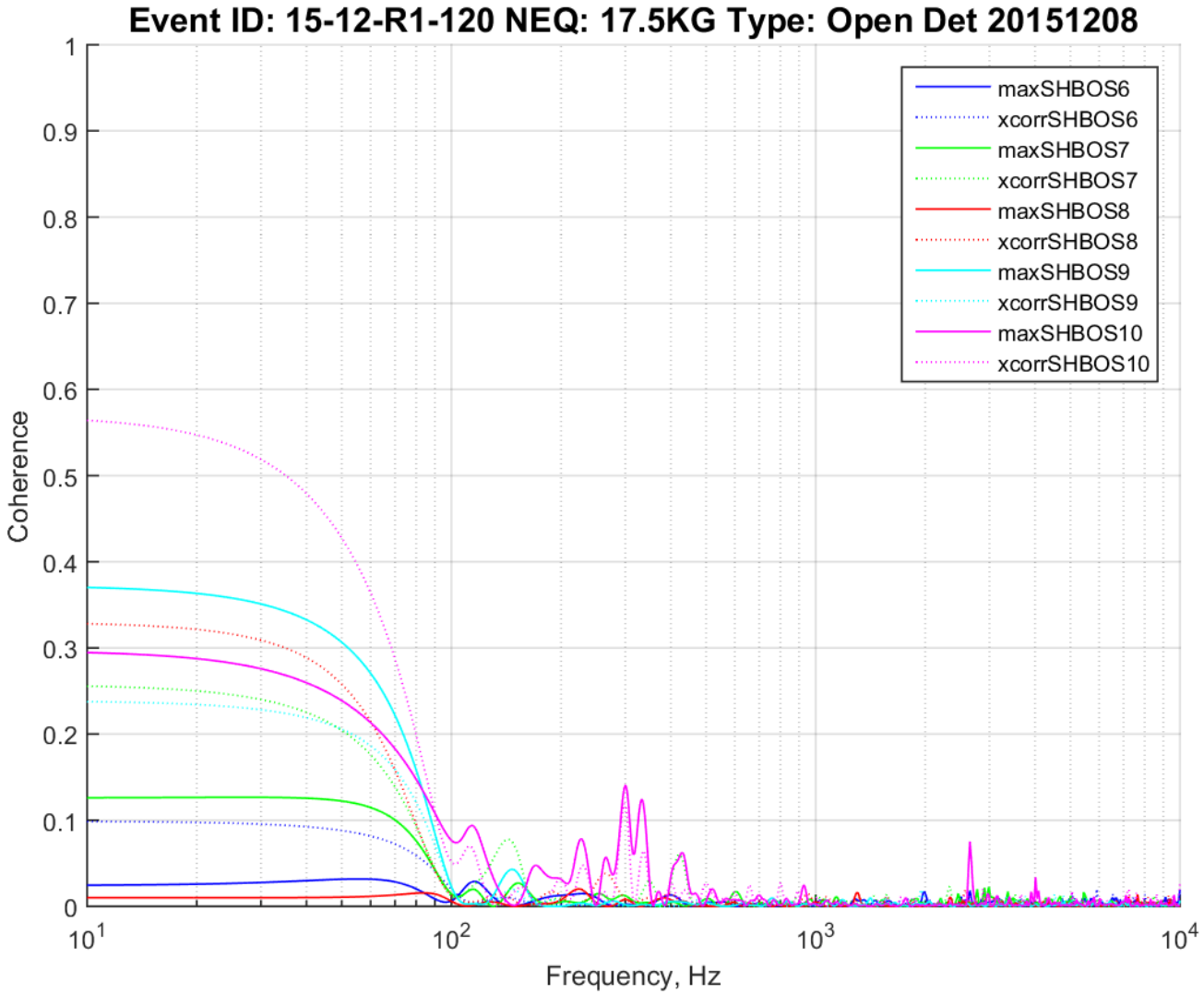


FIGURE 2.2014: COHERENCE SHB_OS 6 - 10 15-12-R1-120CTD

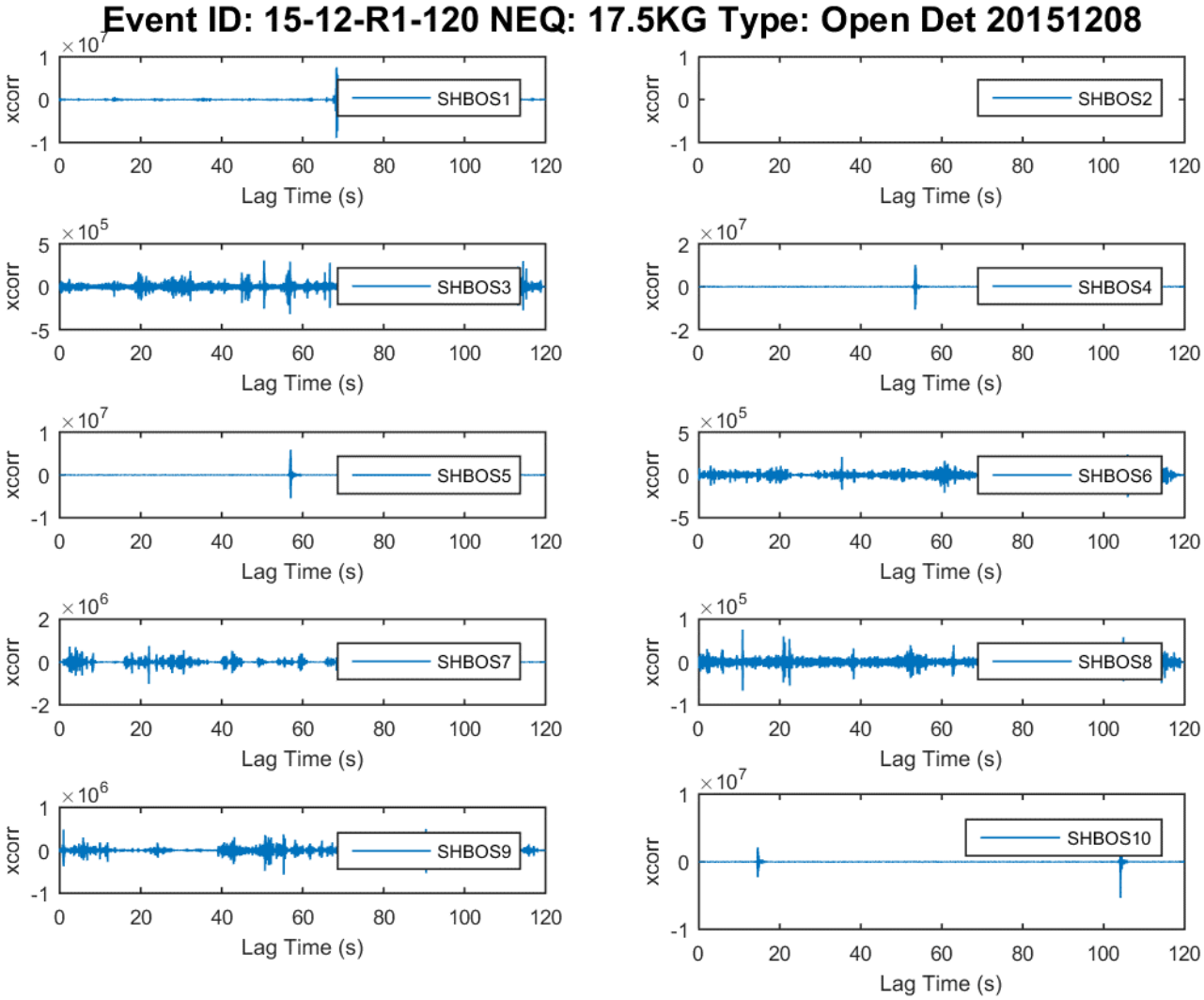


FIGURE 2.2015: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-120

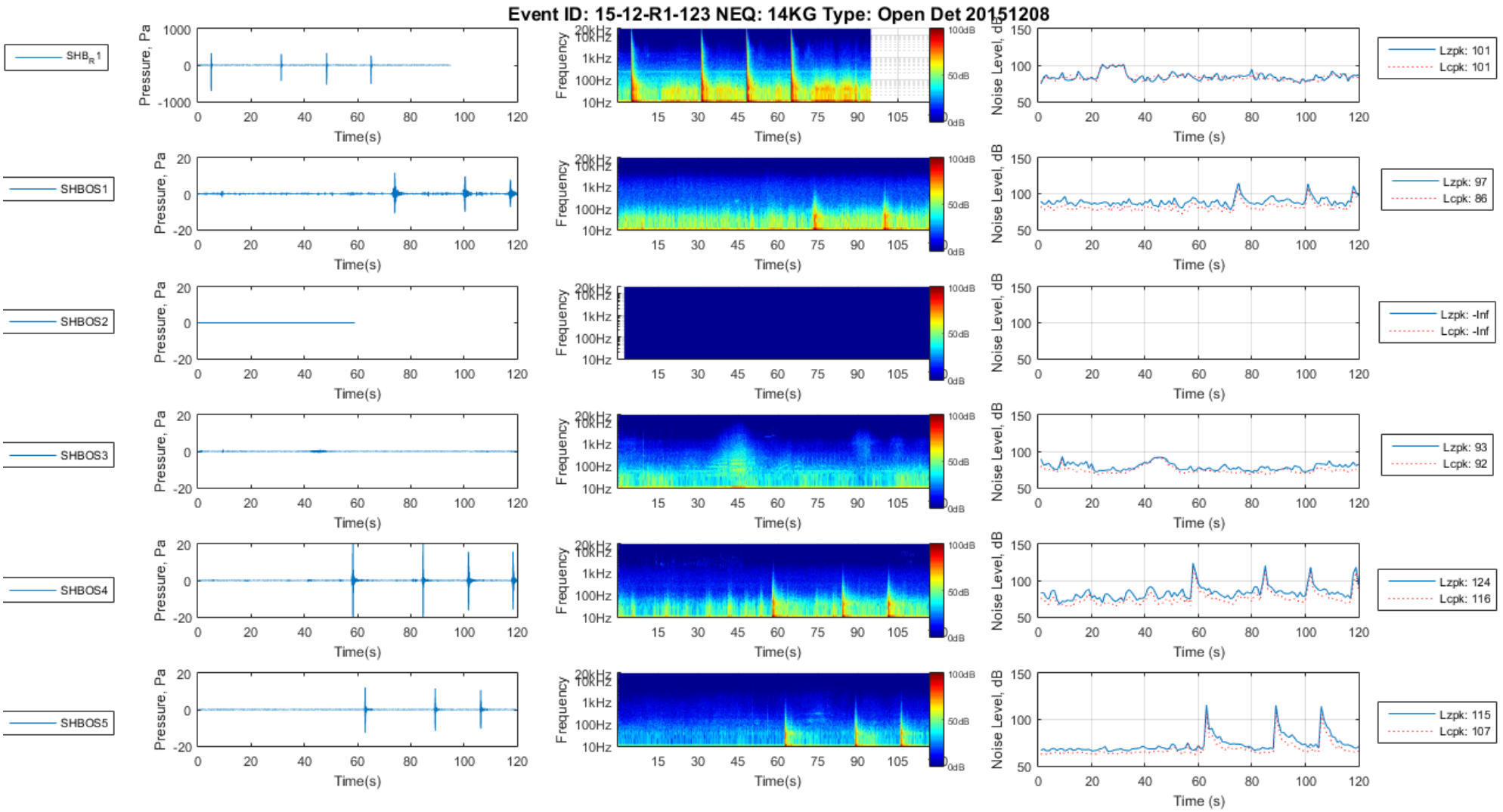


FIGURE 2.2016: SHB_OS 1 - 5 15-12-R1-123

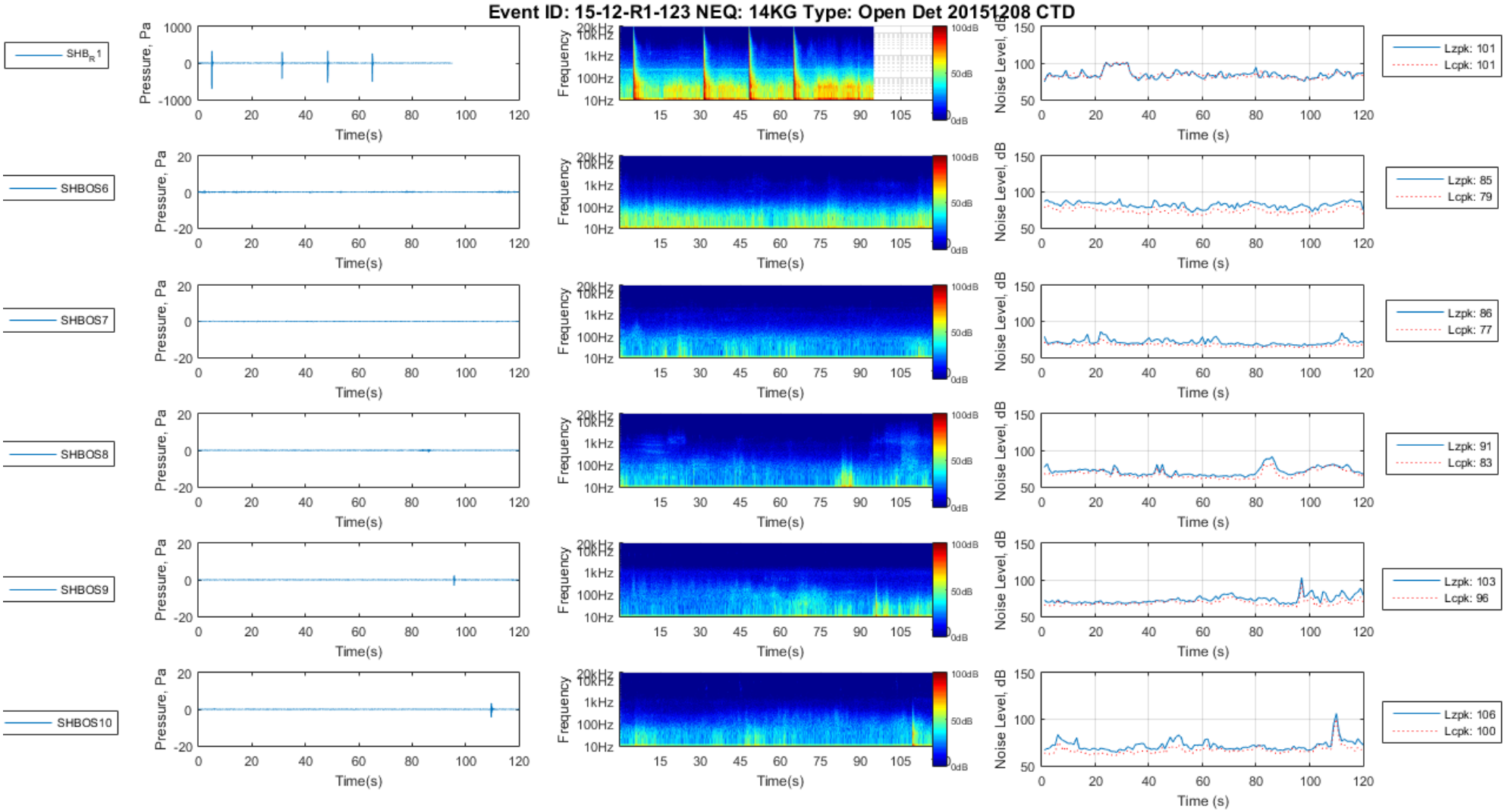


FIGURE 2.2017: SHB_OS 6 - 10 15-12-R1-123

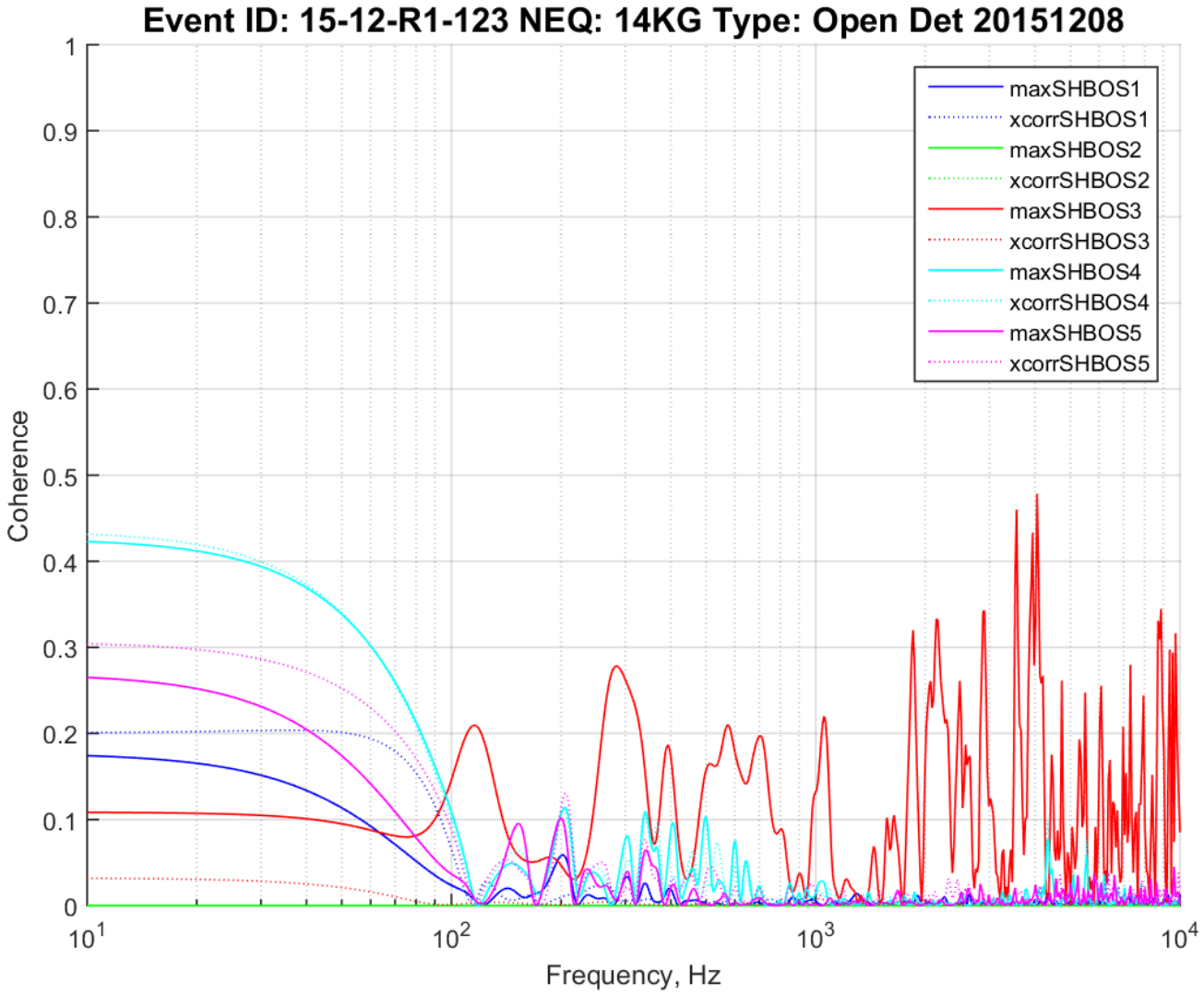


FIGURE 2.2018: COHERENCE SHB_OS 1 - 5 15-12-R1-123

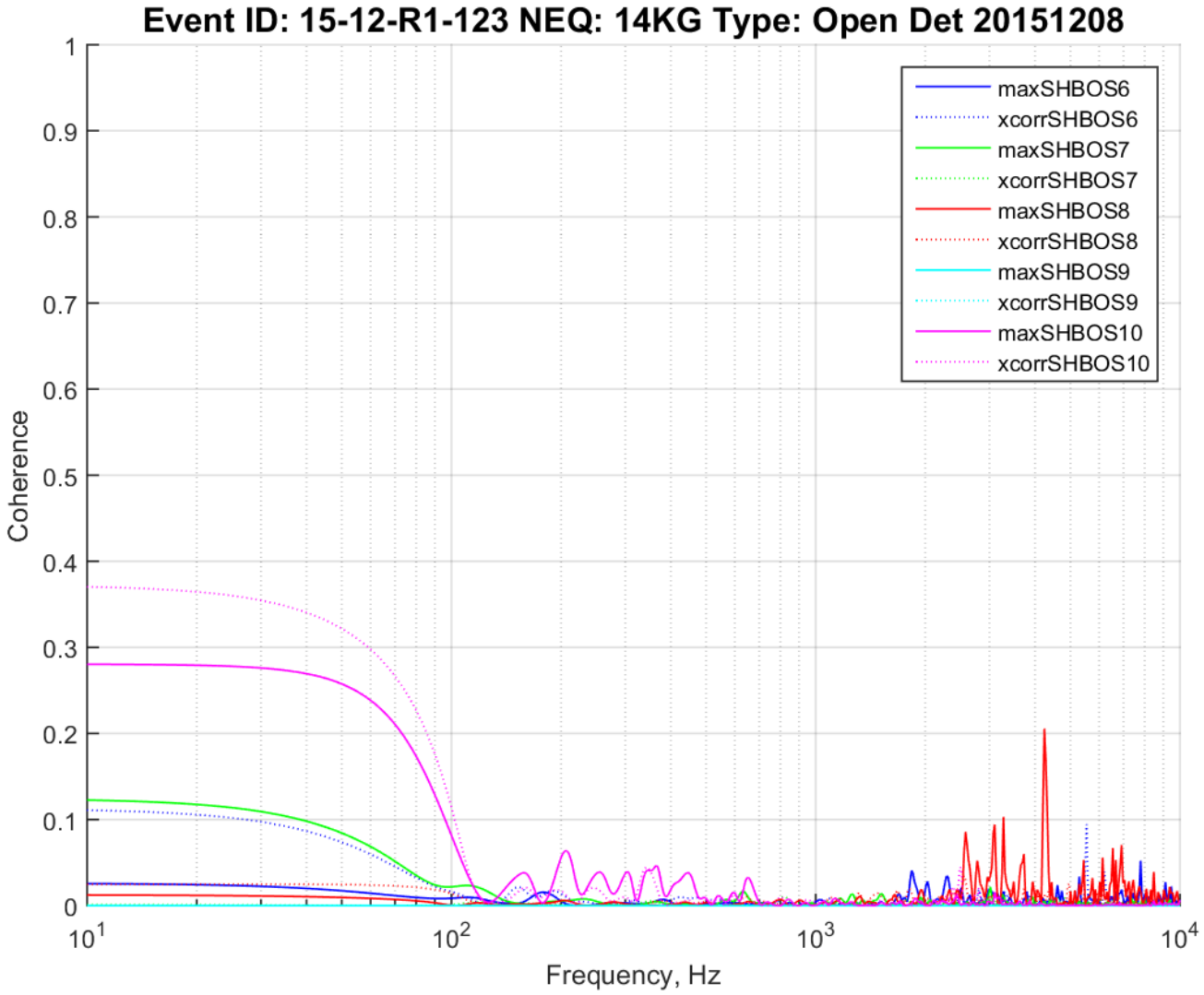


FIGURE 2.2019: COHERENCE SHB_OS 6 - 10 15-12-R1-123CTD

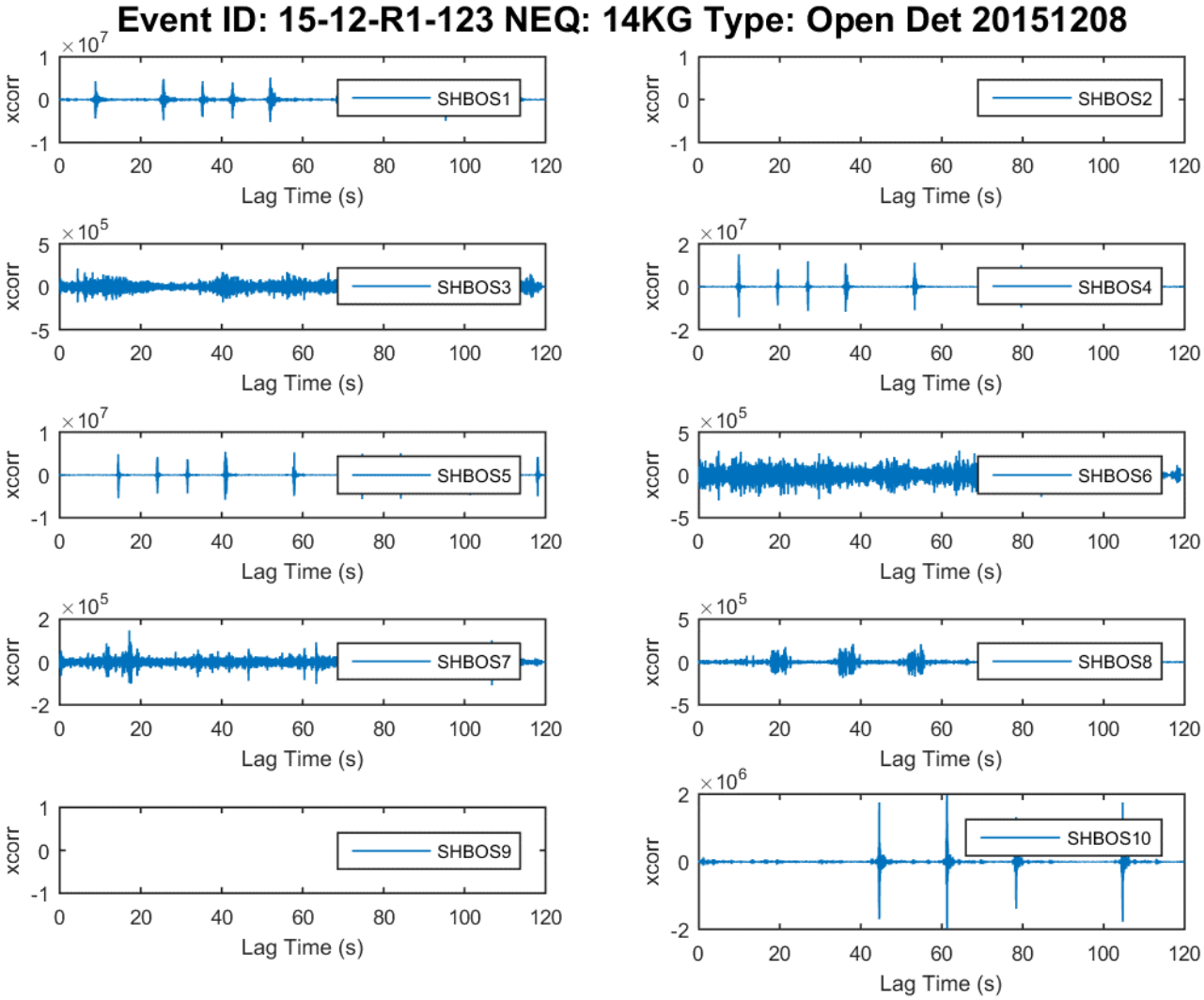


FIGURE 2.2020: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-123

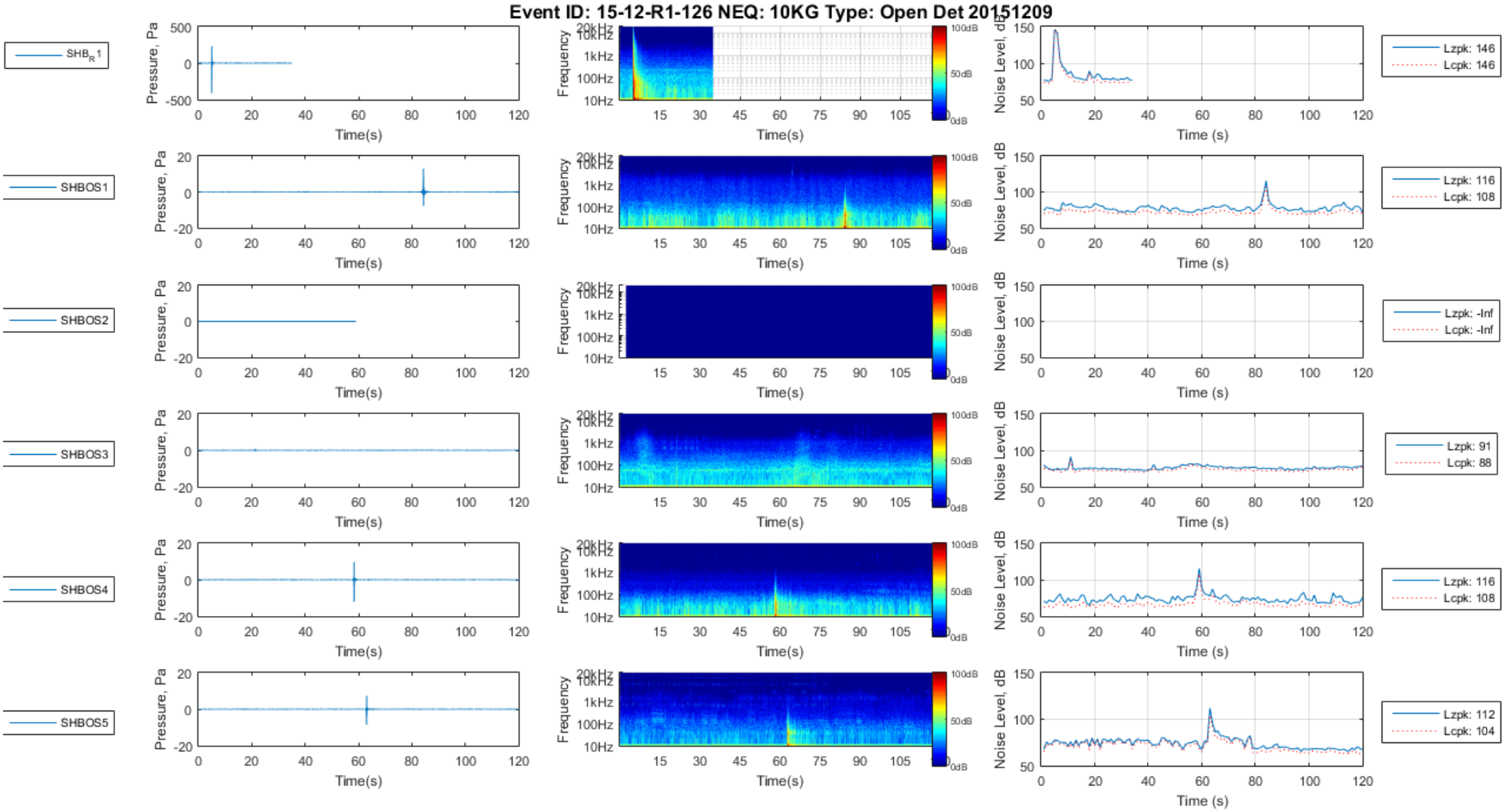


FIGURE 2.2021: SHB_OS 1 - 5 15-12-R1-126

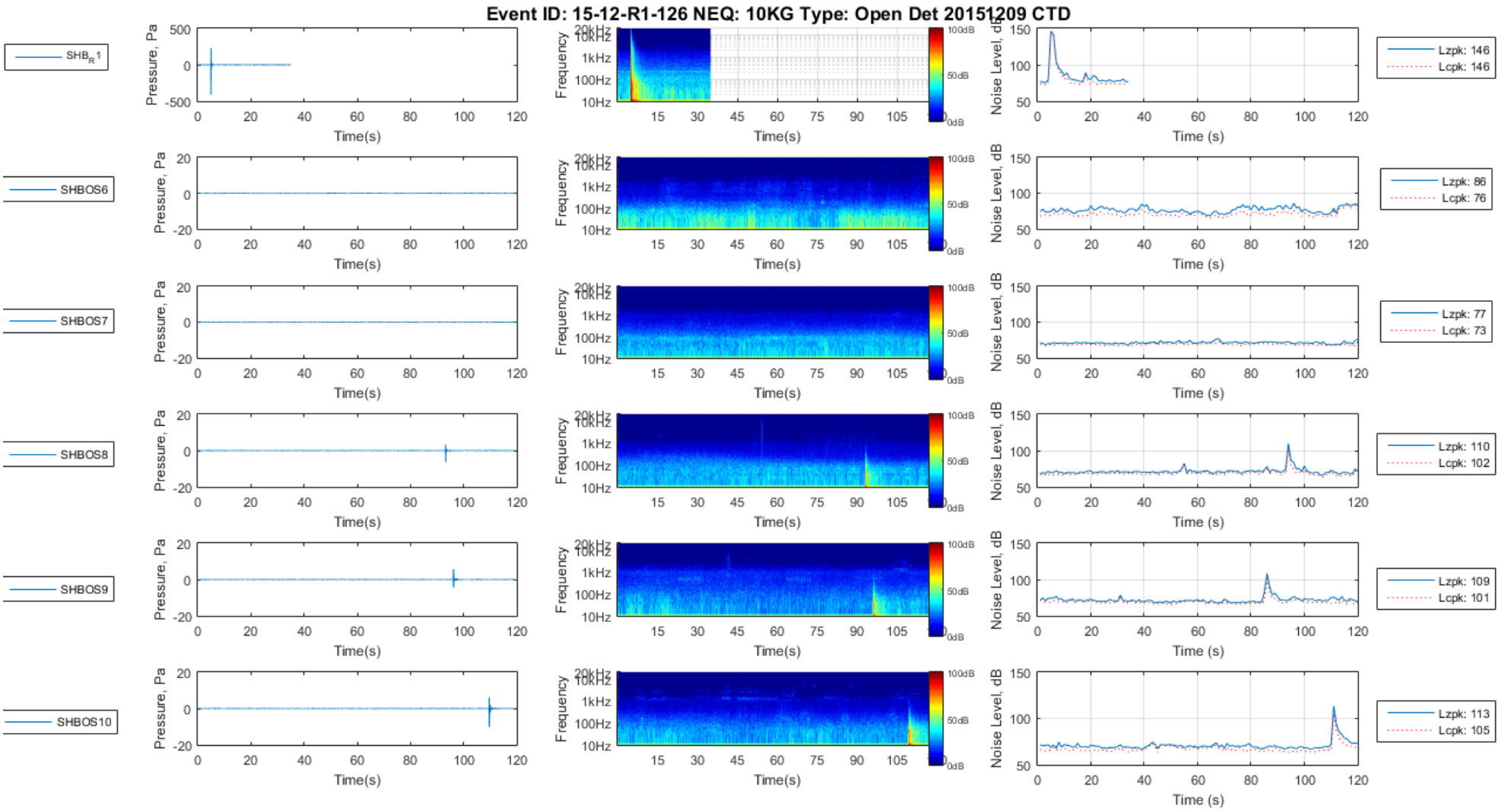


FIGURE 2.2022: SHB_OS 6 - 10 15-12-R1-126

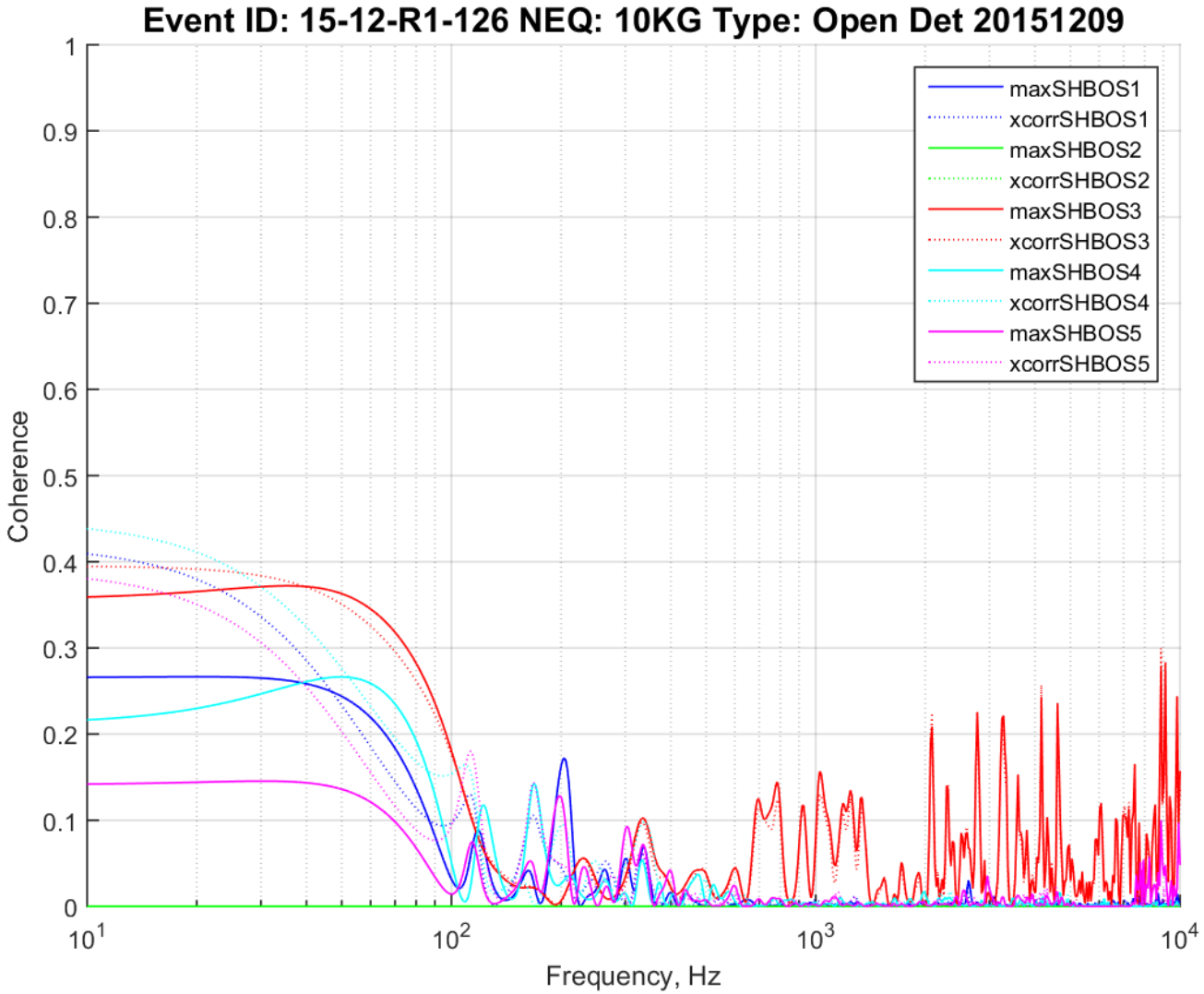


FIGURE 2.2023: COHERENCE SHB_OS 1 - 5 15-12-R1-126

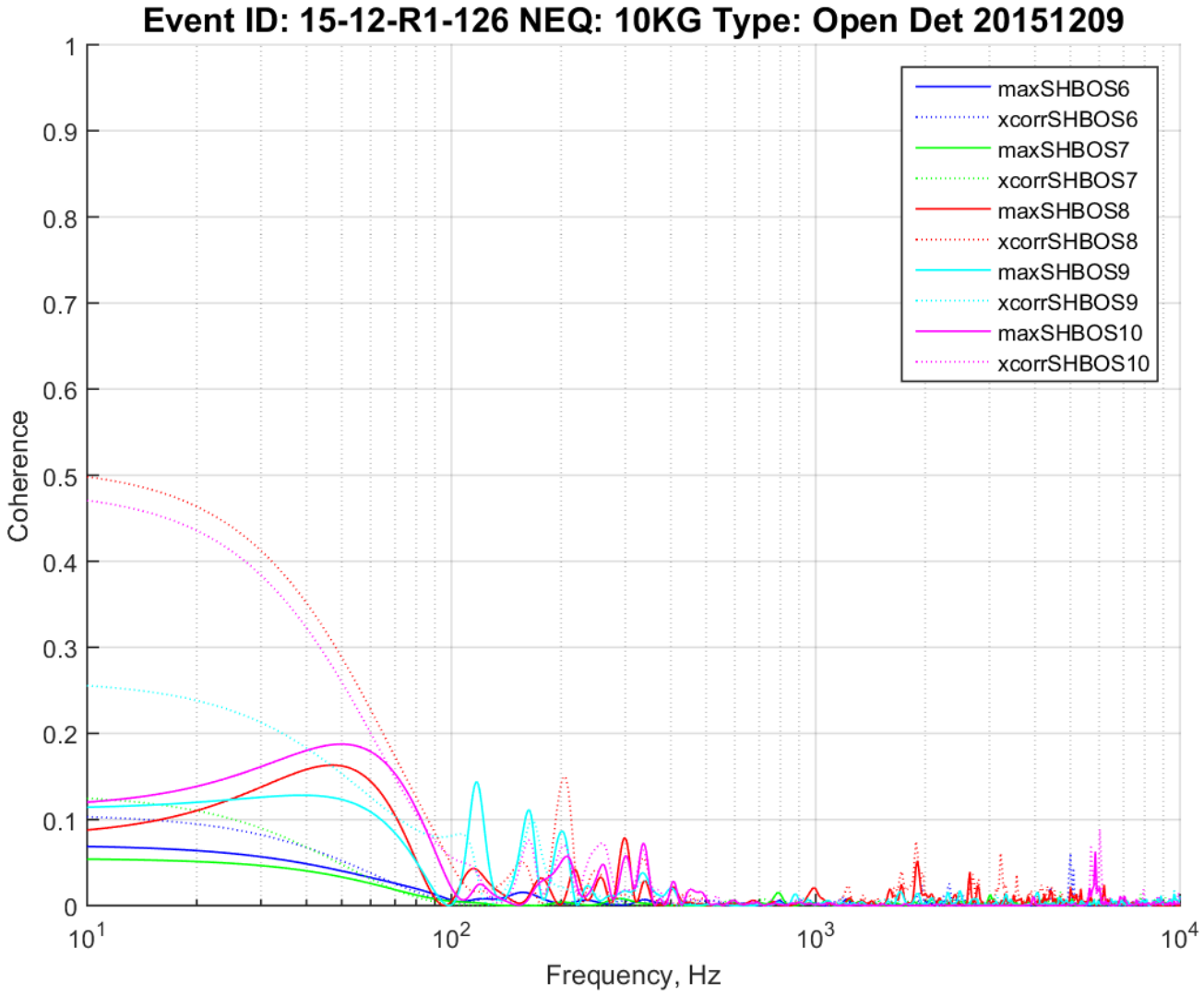


FIGURE 2.2024: COHERENCE SHB_OS 6 - 10 15-12-R1-126CTD

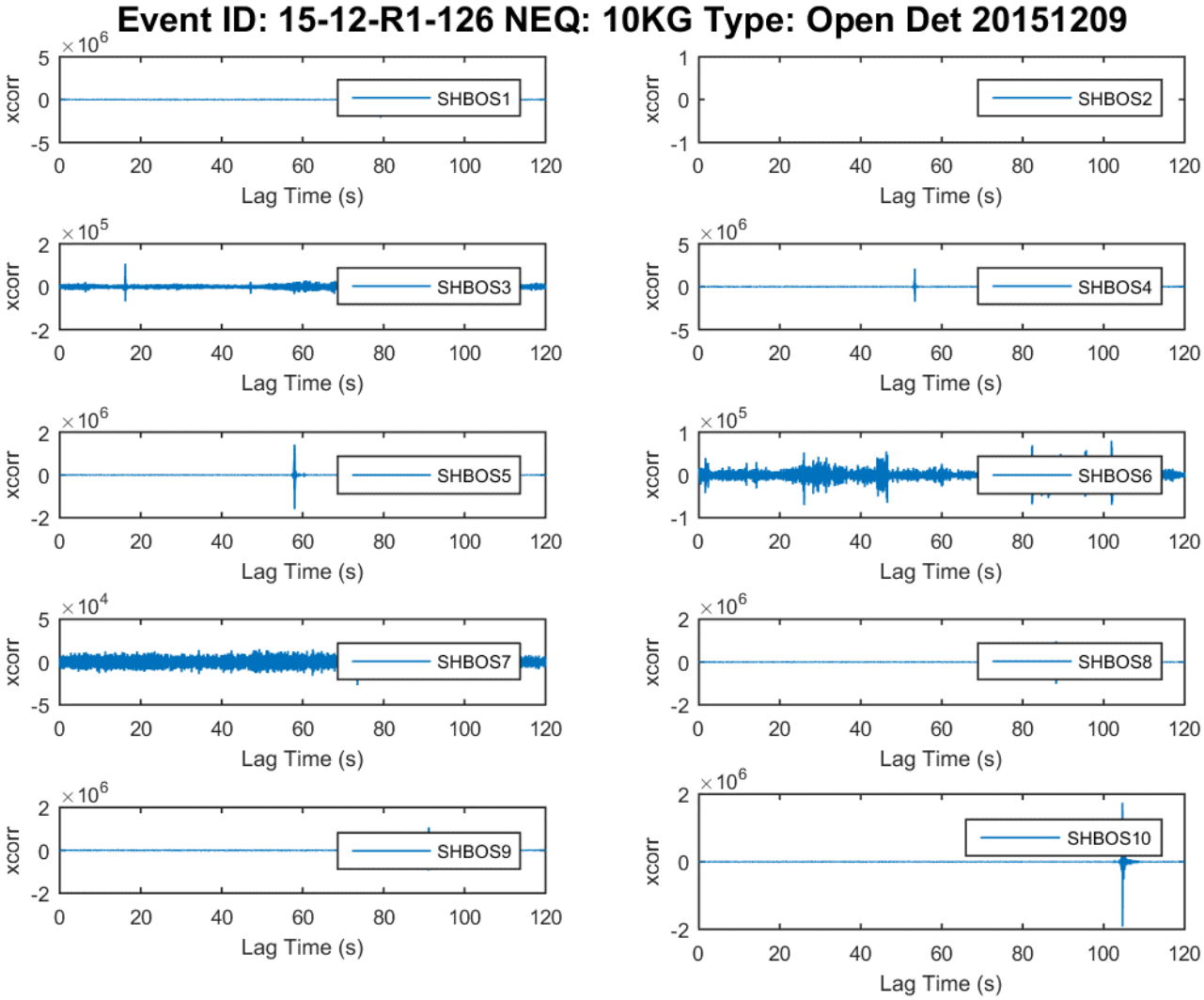


FIGURE 2.2025: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-126

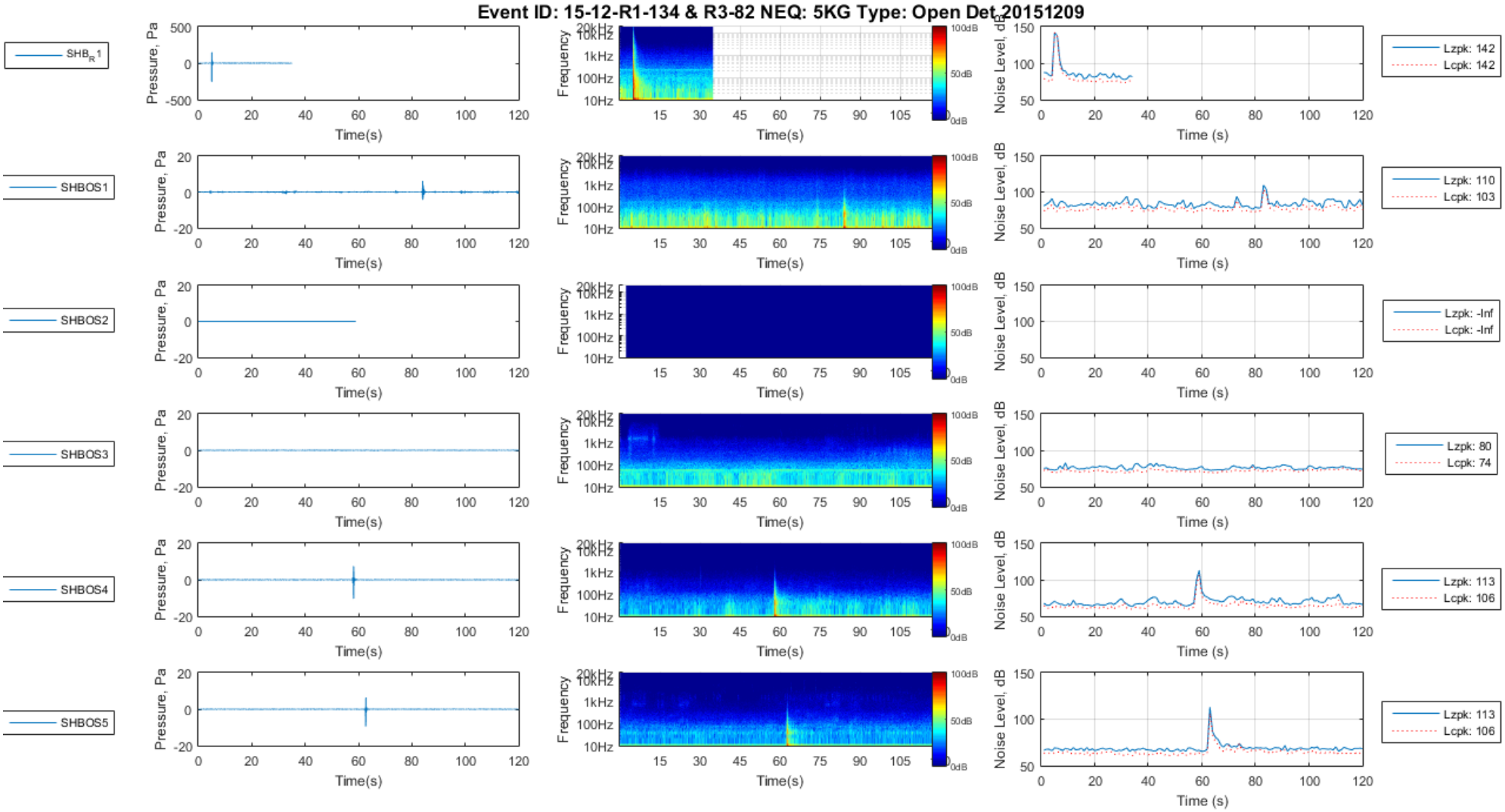


FIGURE 2.2026: SHB_OS 1 - 5 15-12-R1-134 & R3-82

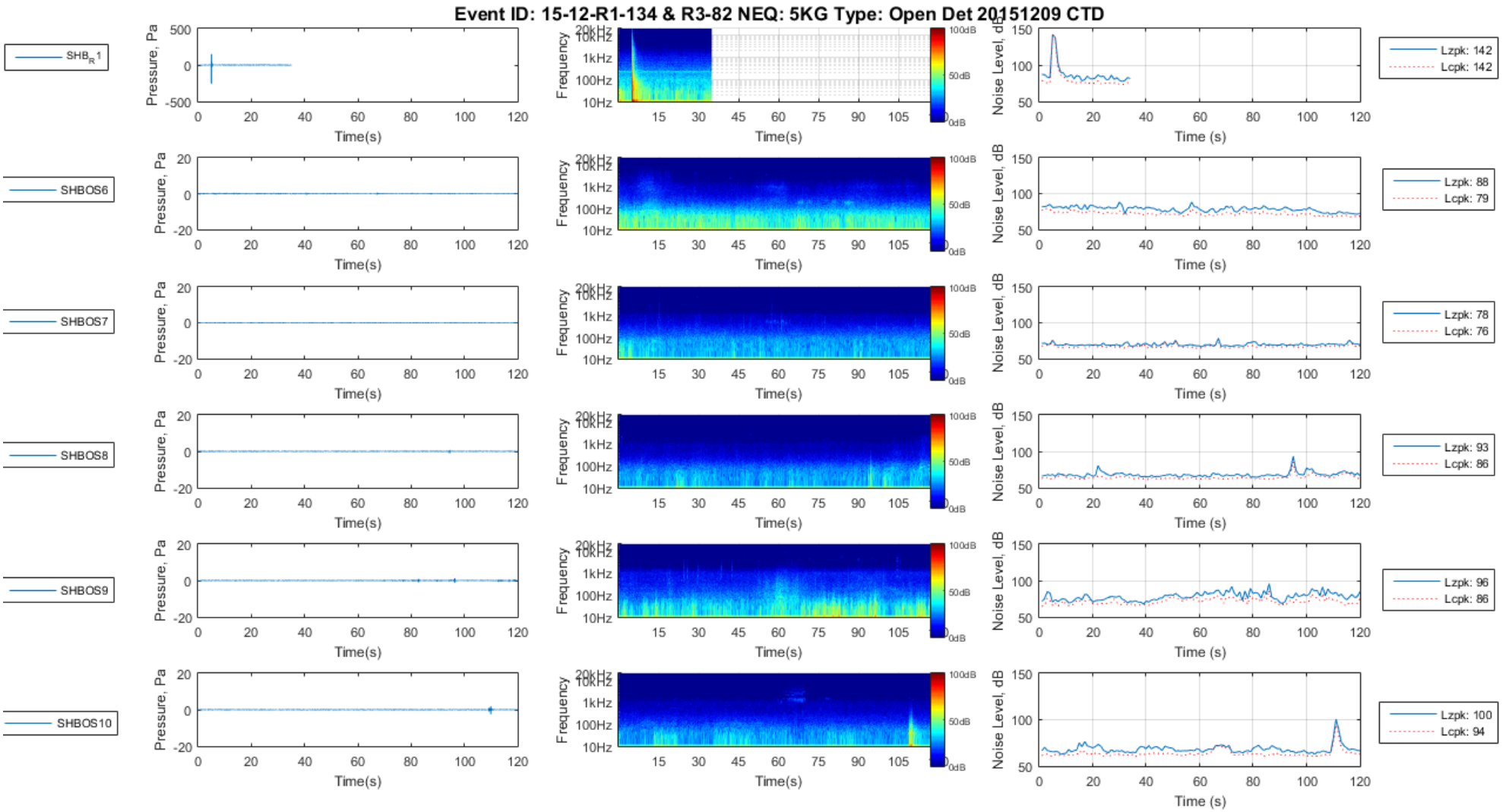


FIGURE 2.2027: SHB_OS 6 - 10 15-12-R1-134 & R3-82

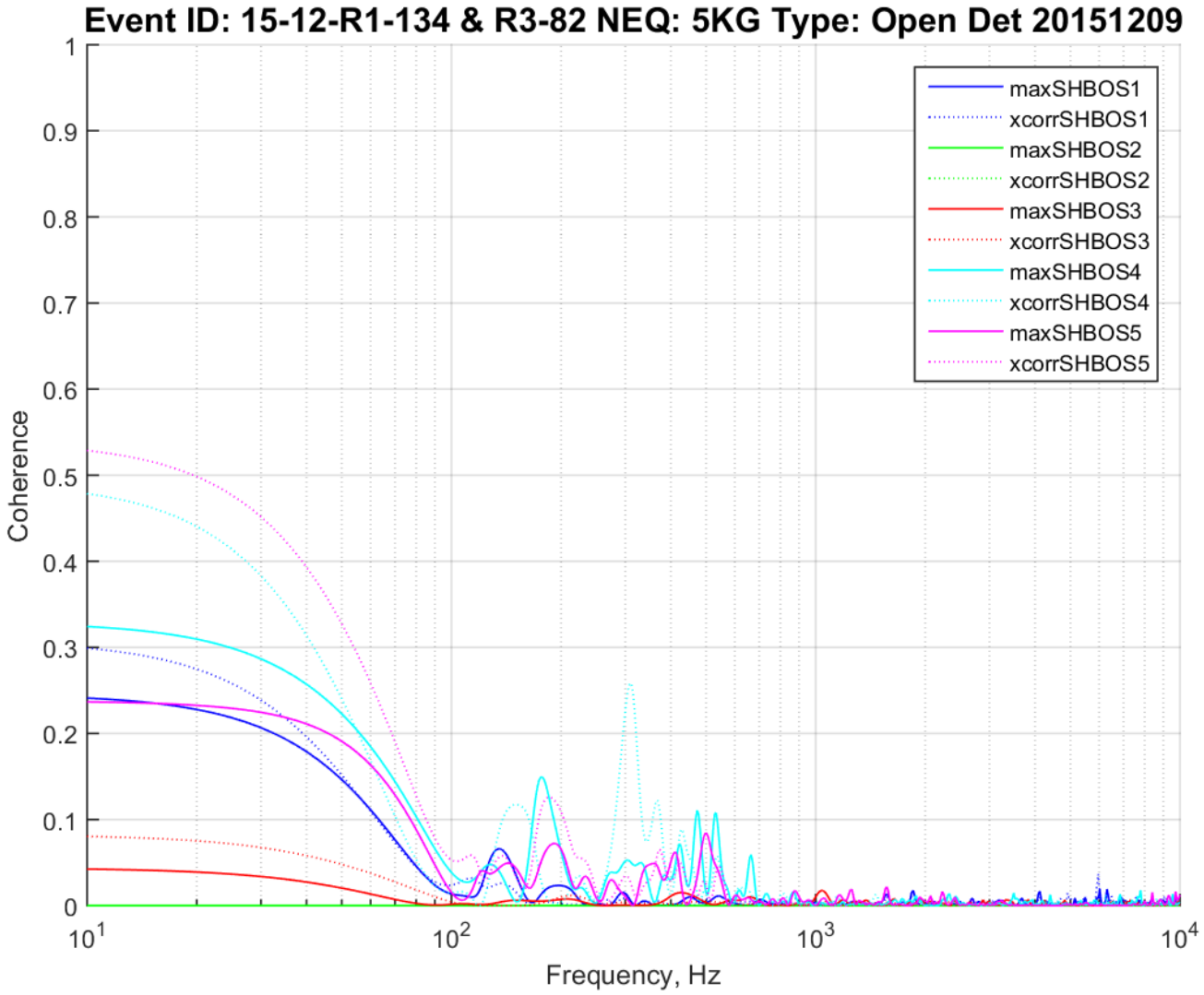


FIGURE 2.2028: COHERENCE SHB_OS 1 - 5 15-12-R1-134 & R3-82

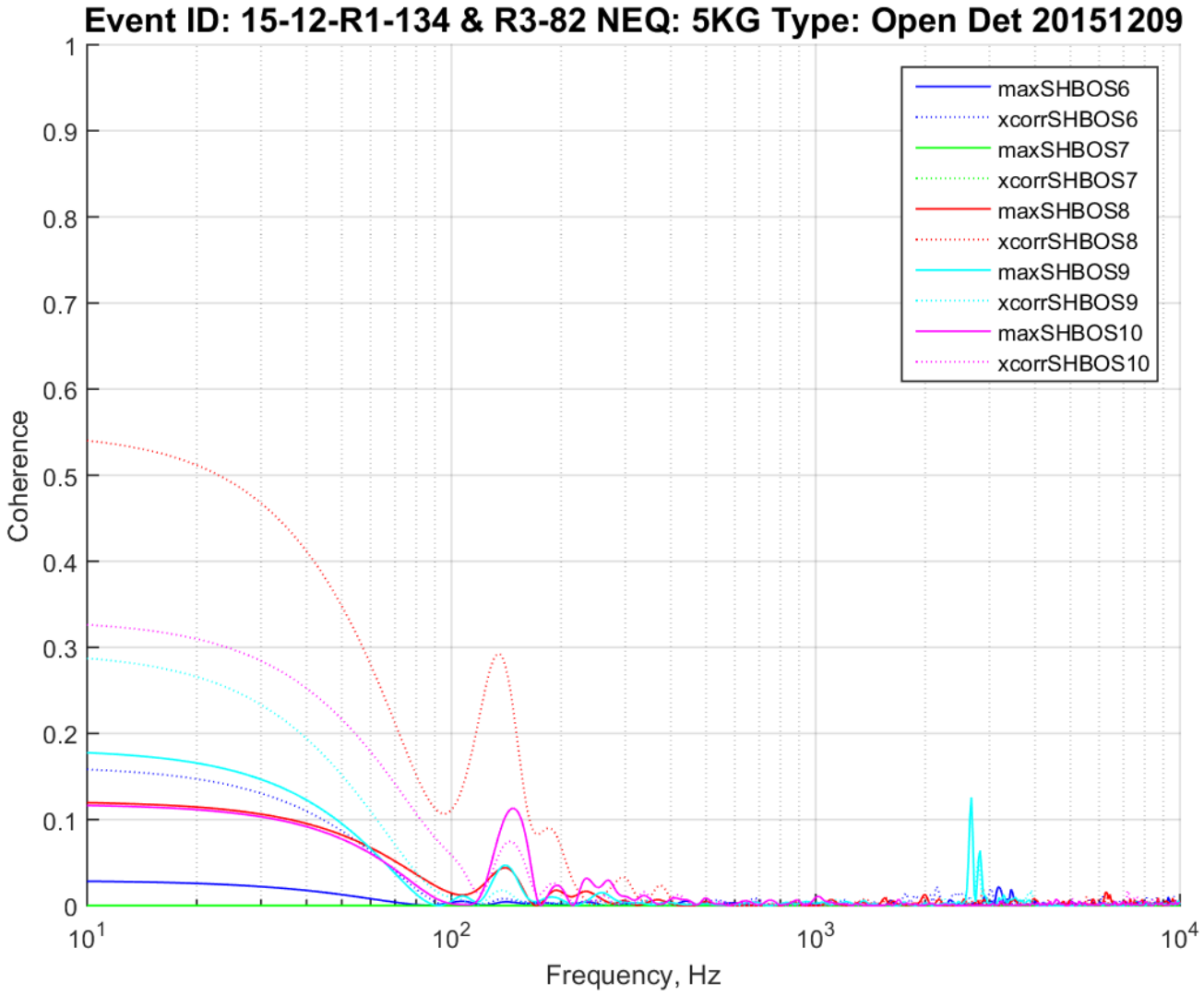


FIGURE 2.2029: COHERENCE SHB_OS 6 - 10 15-12-R1-134 & R3-82CTD

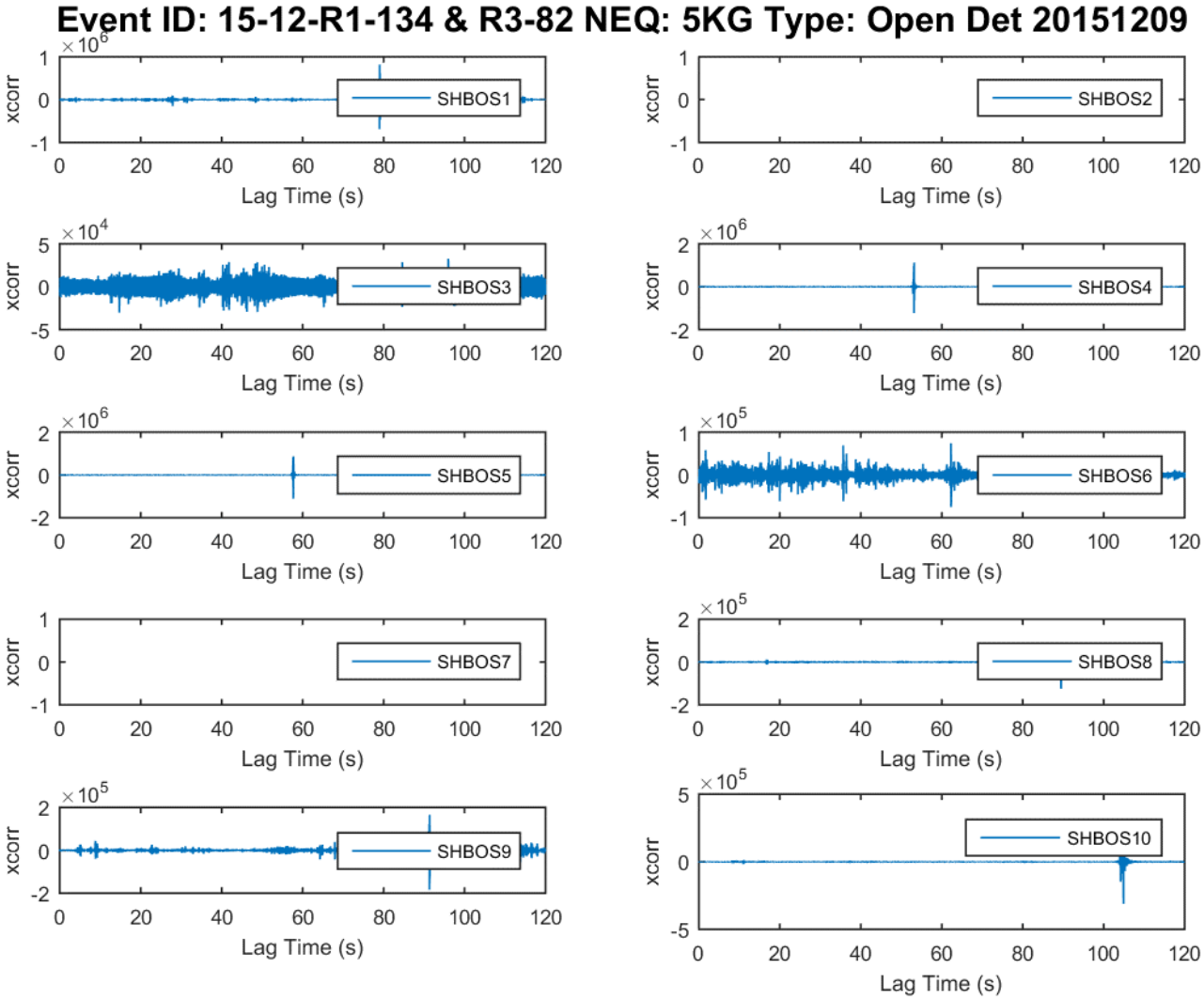


FIGURE 2.2030: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-134 & R3-82

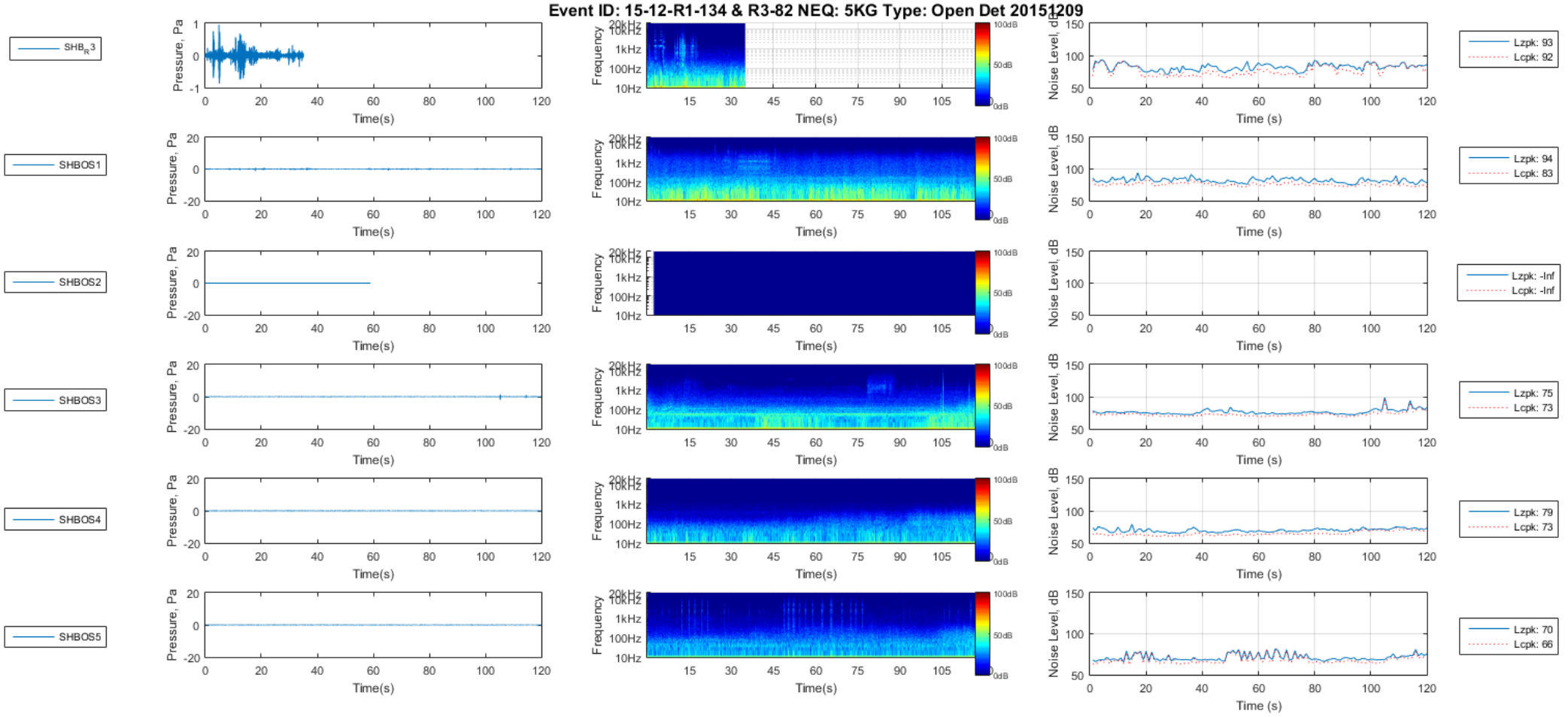


FIGURE 2.2031: SHB_OS 1 - 5 15-12-R1-134 & R3-82

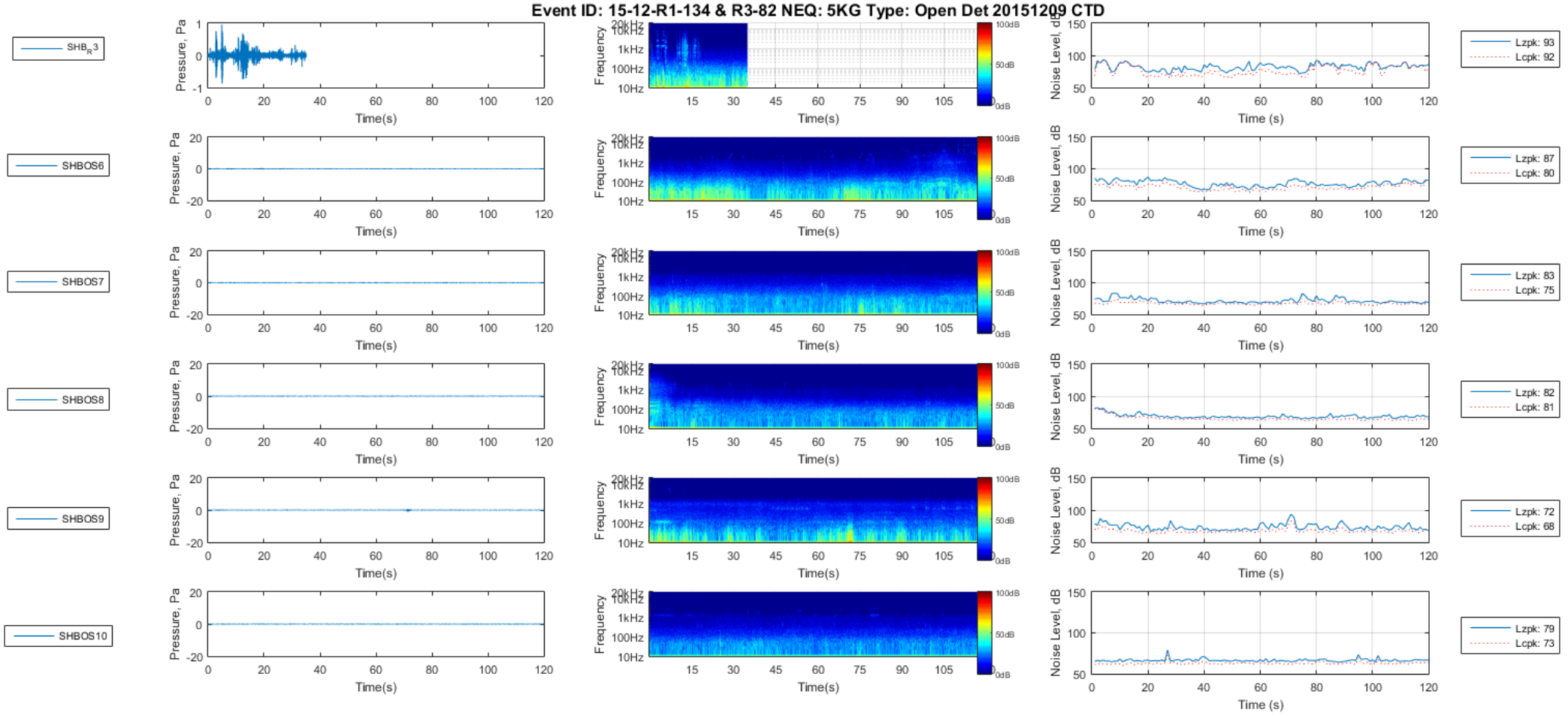


FIGURE 2.2032: SHB_OS 6 - 10 15-12-R1-134 & R3-82

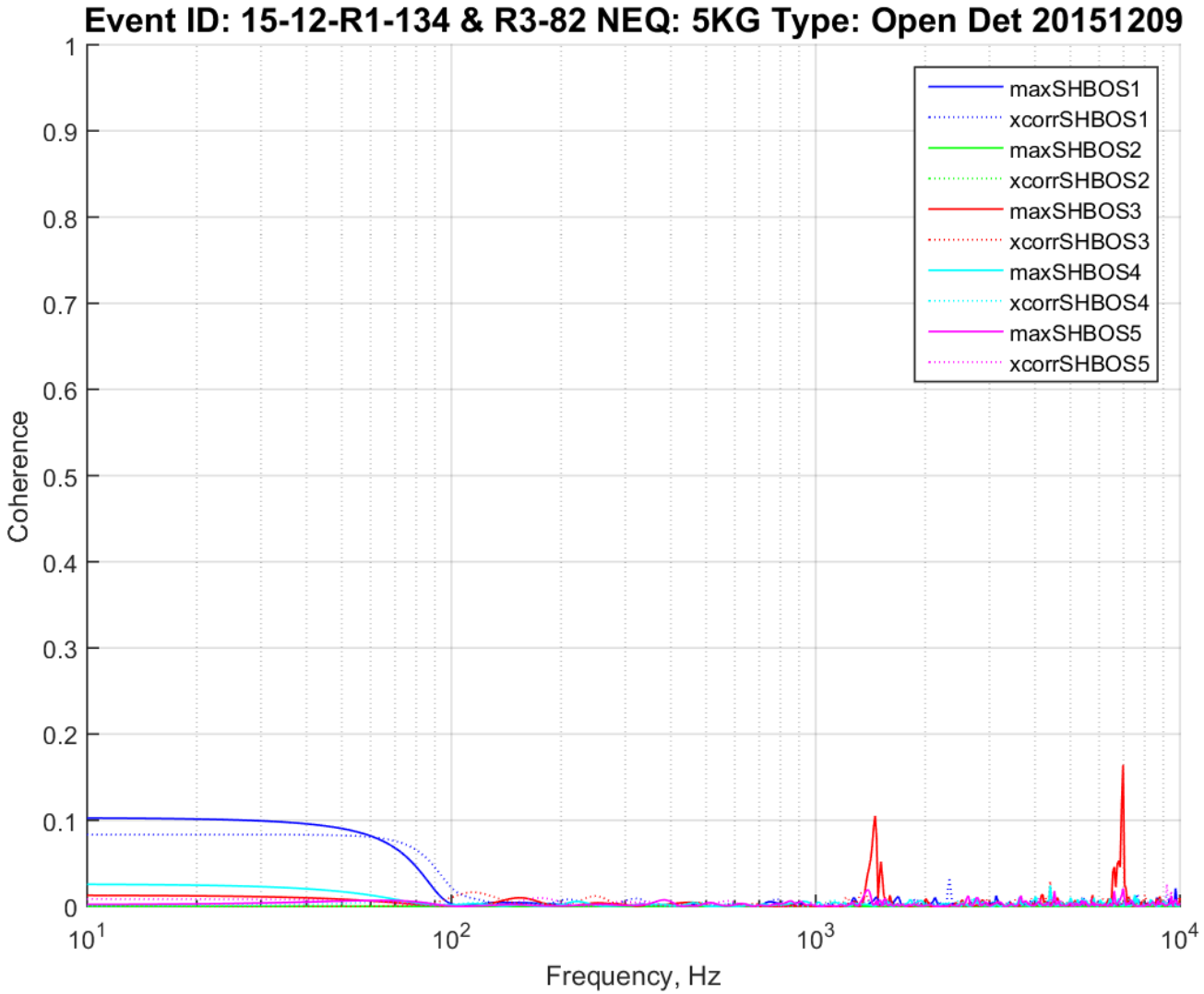


FIGURE 2.2033: COHERENCE SHB_OS 1 - 5 15-12-R1-134 & R3-82

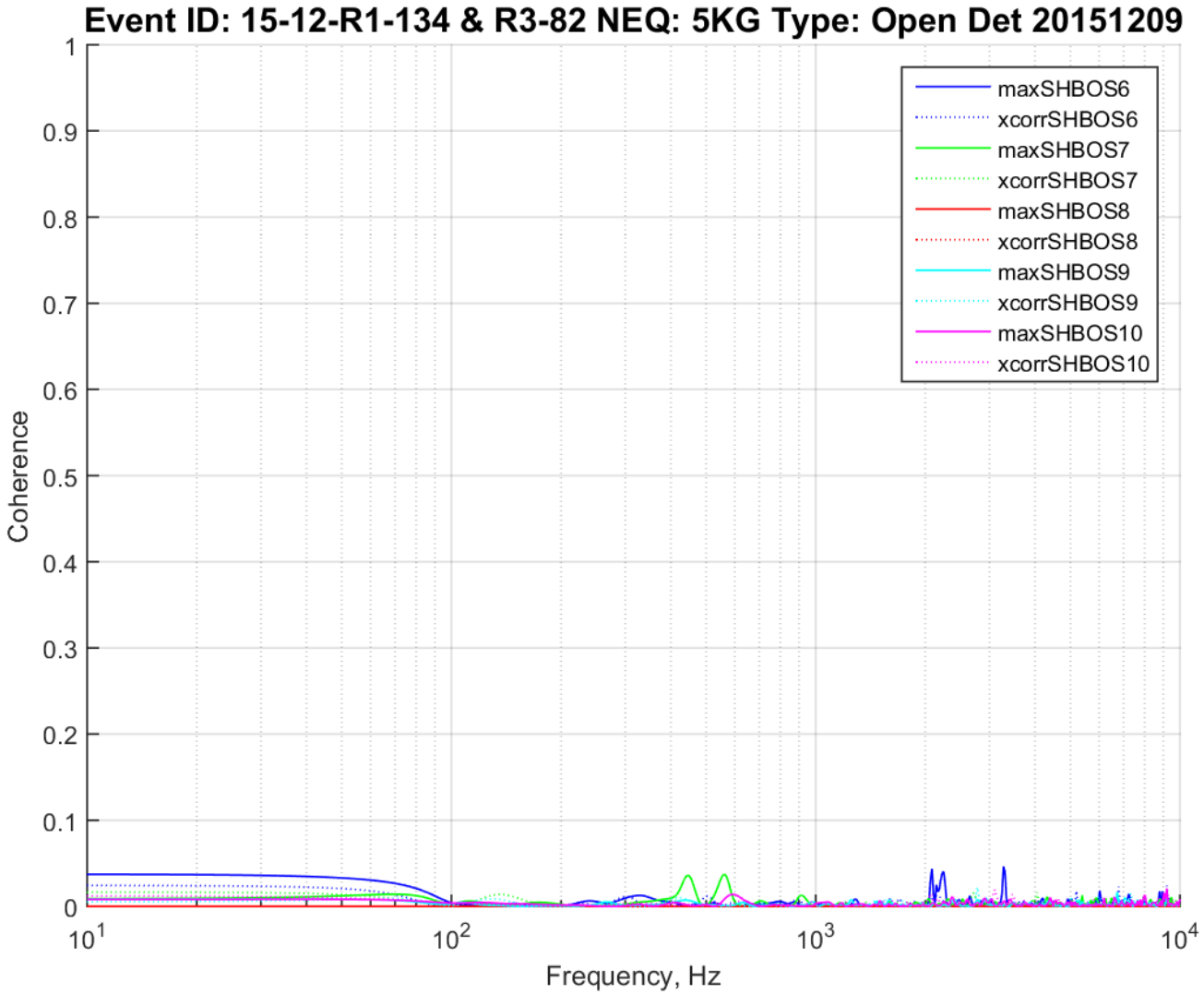


FIGURE 2.2034: COHERENCE SHB_OS 6 - 10 15-12-R1-134 & R3-82CTD

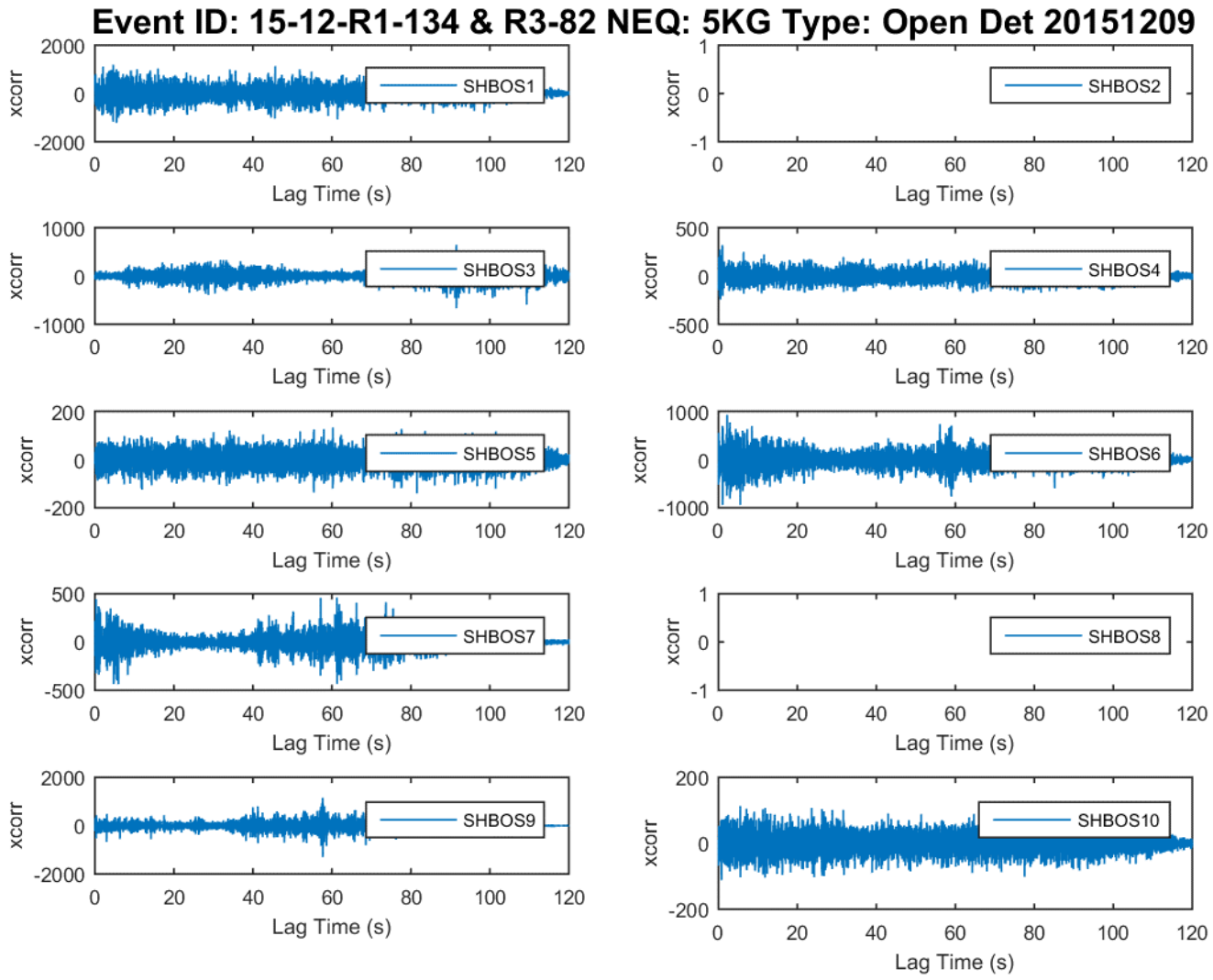


FIGURE 2.2035: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-134 & R3-82

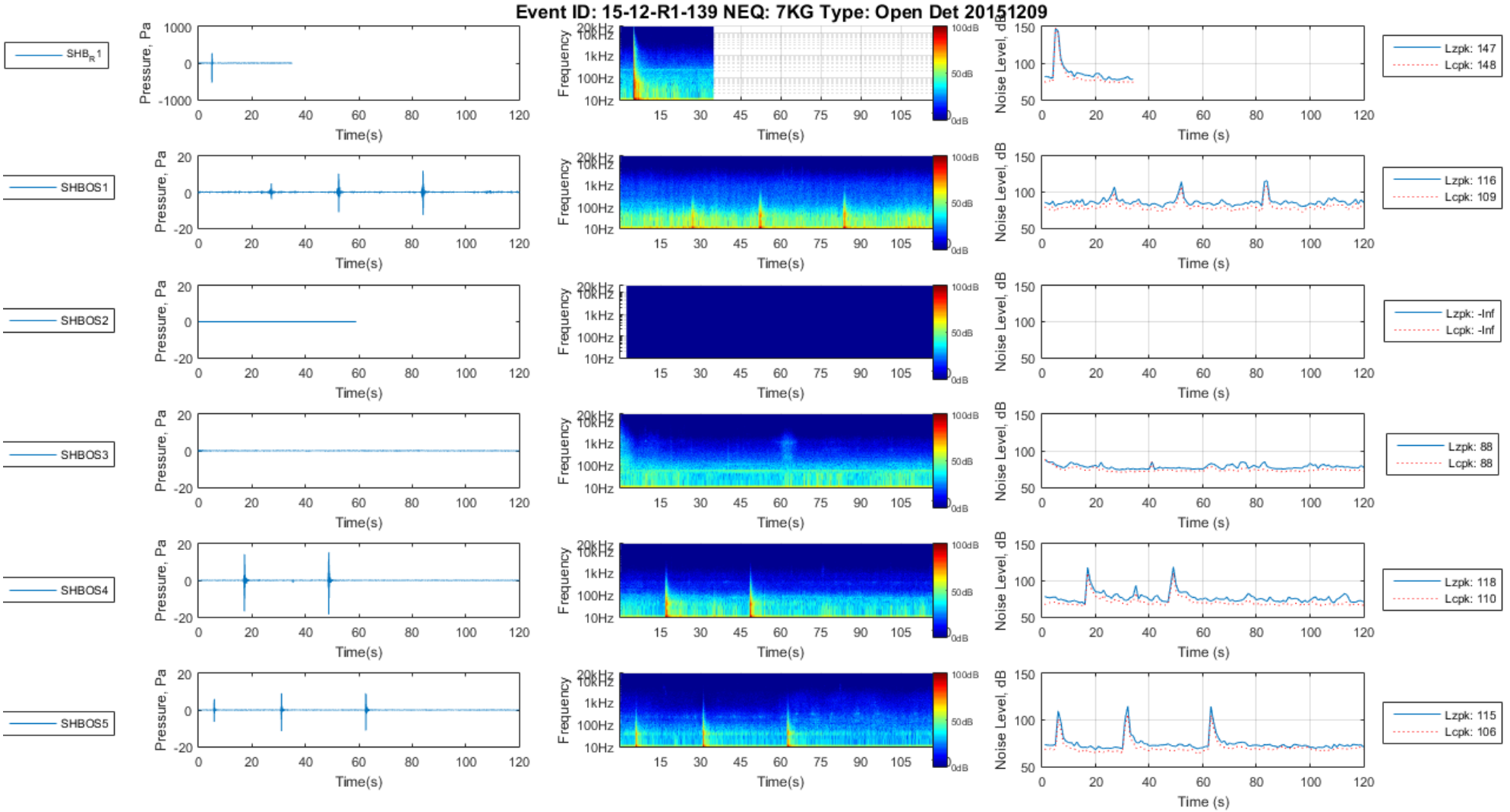


FIGURE 2.2036: SHB_OS 1 - 5 15-12-R1-139

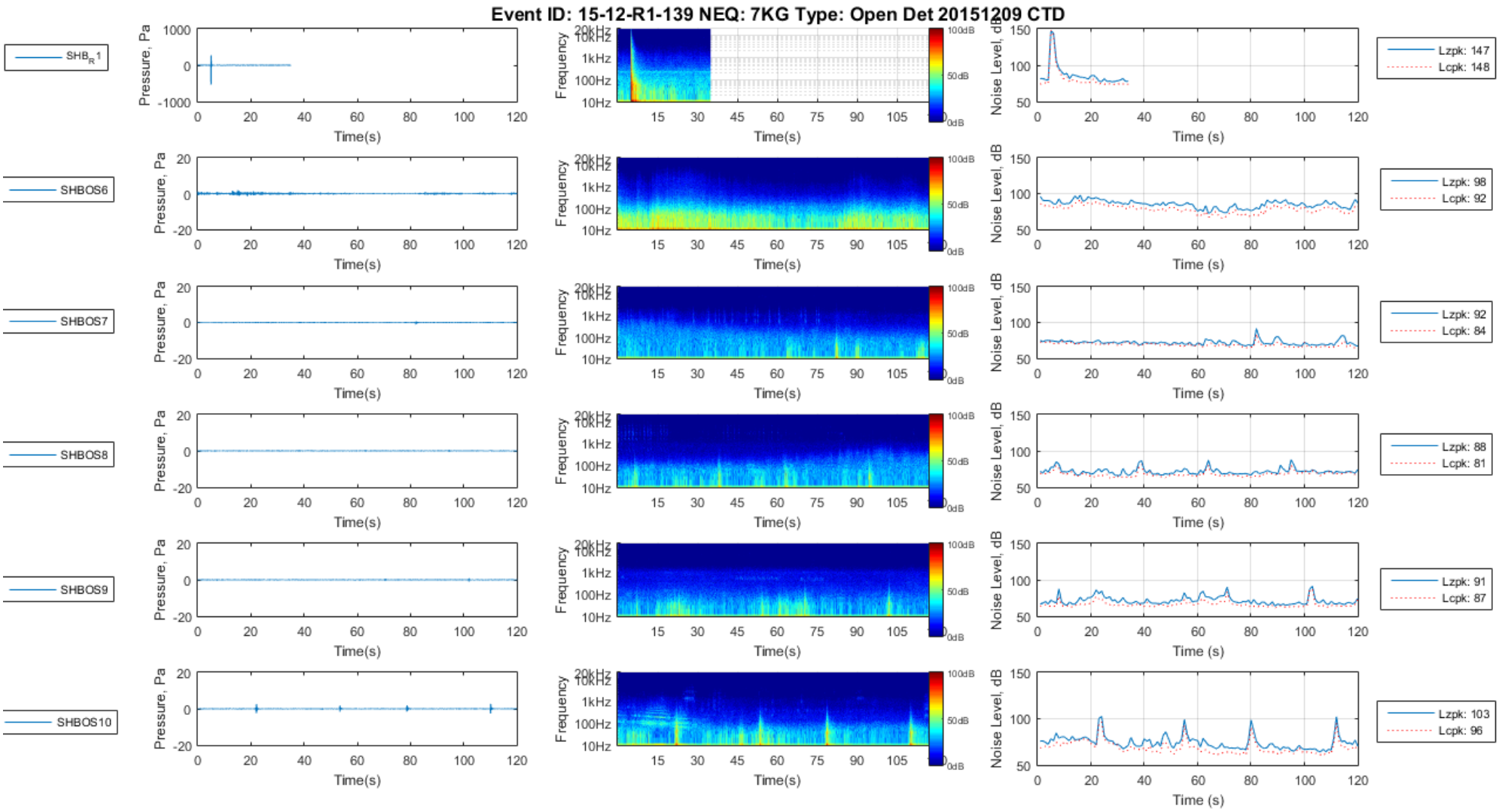


FIGURE 2.2037: SHB_OS 6 - 10 15-12-R1-139

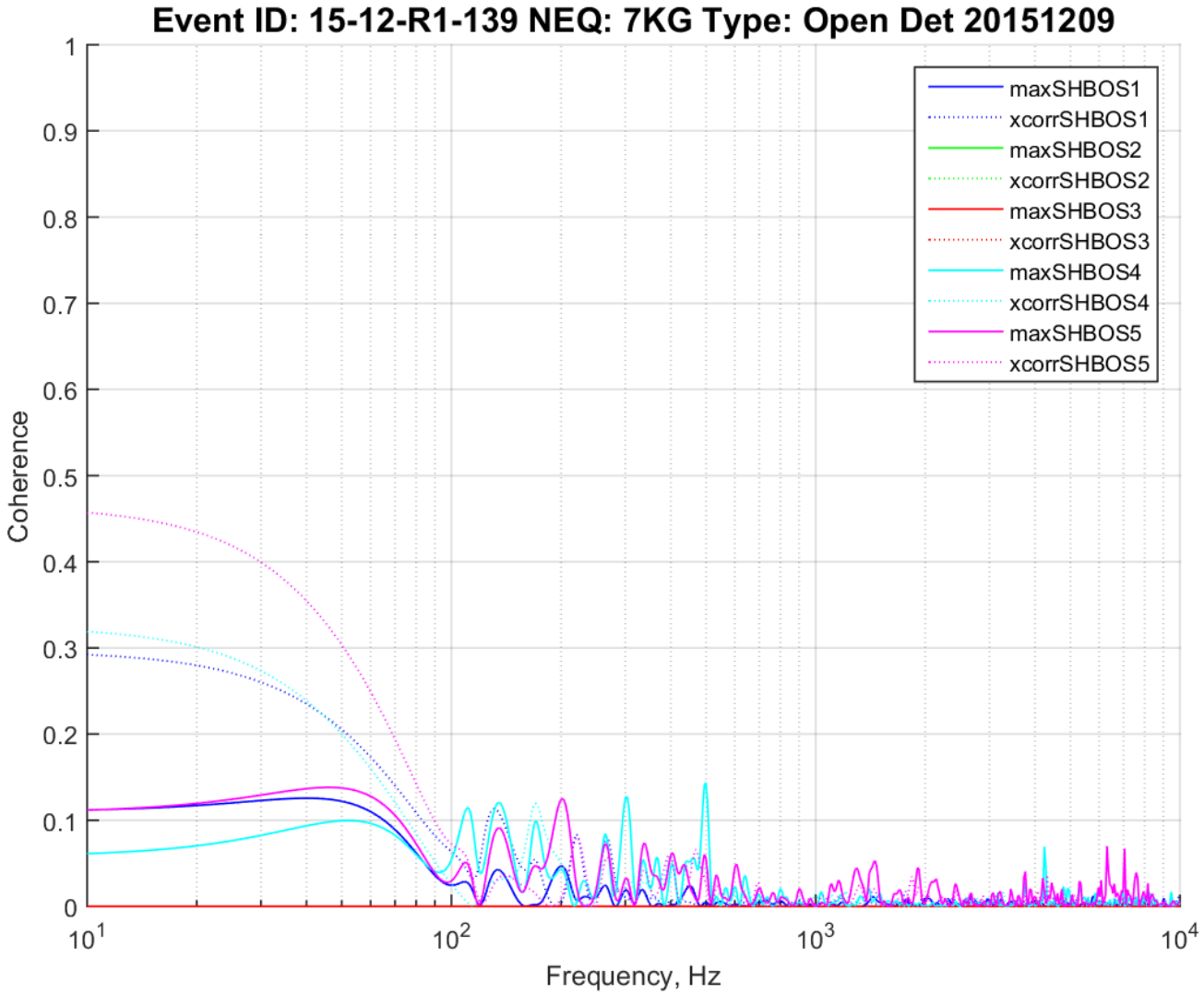


FIGURE 2.2038: COHERENCE SHB_OS 1 - 5 15-12-R1-139

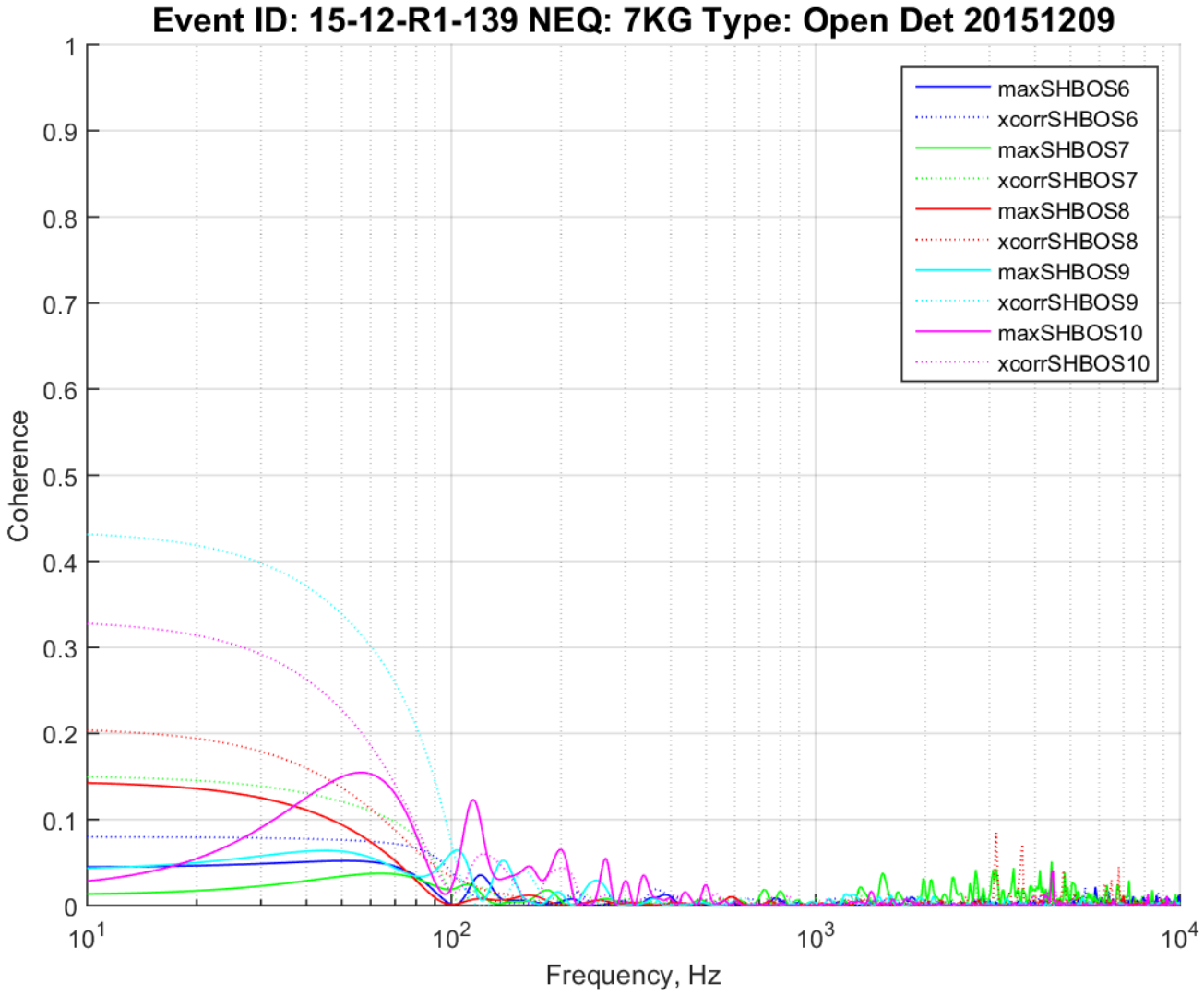


FIGURE 2.2039: COHERENCE SHB_OS 6 - 10 15-12-R1-139CTD

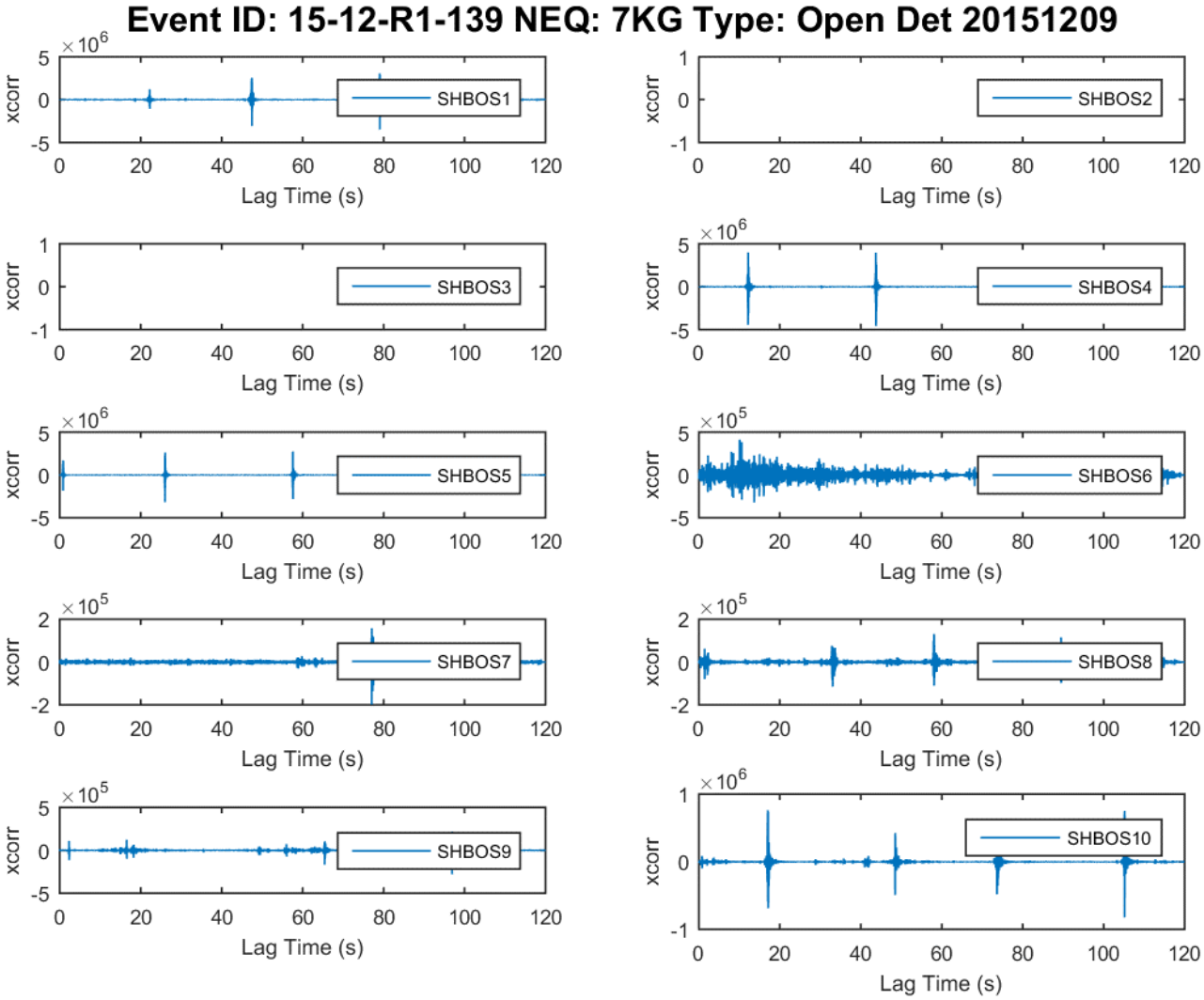


FIGURE 2.2040: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-139

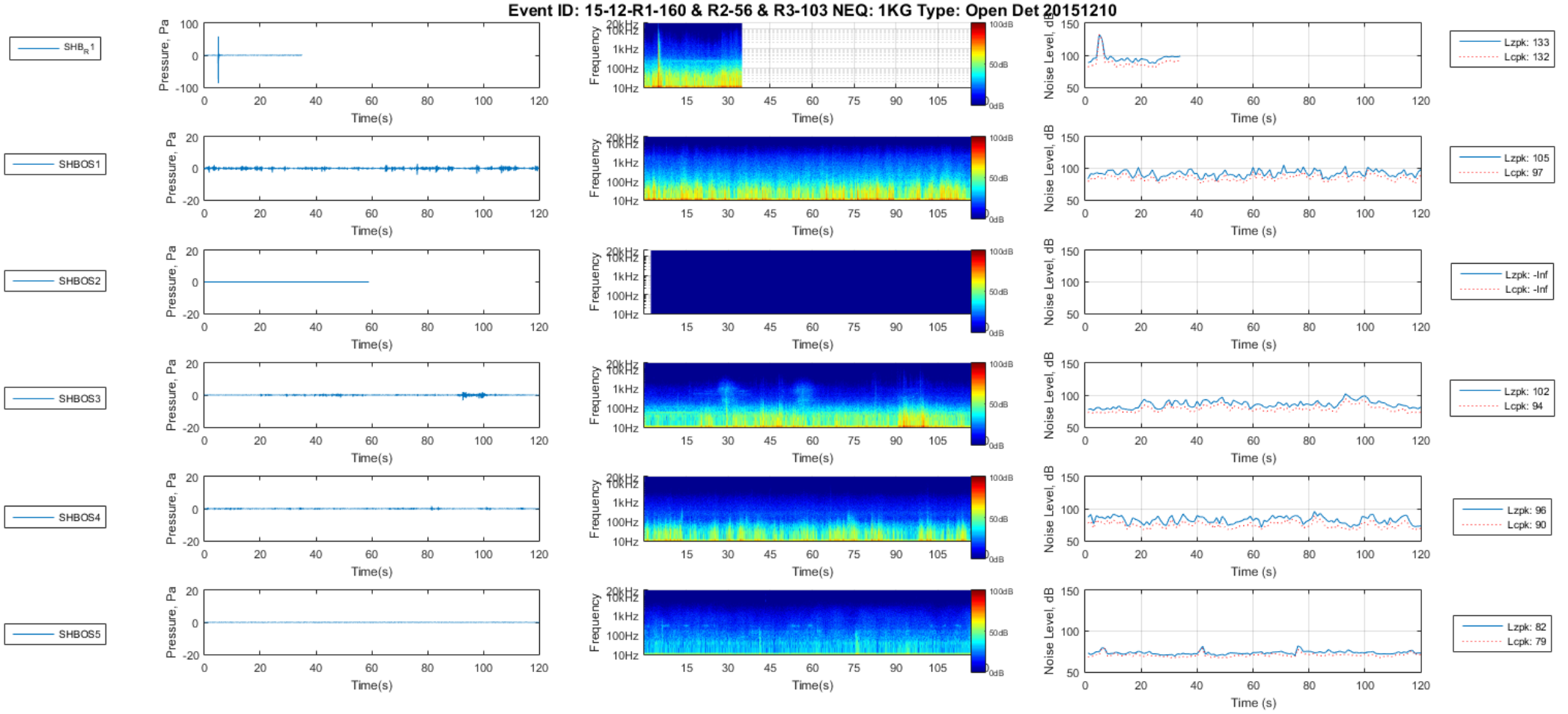


FIGURE 2.2041: SHB_OS 1 - 5 15-12-R1-160 & R2-56 & R3-103

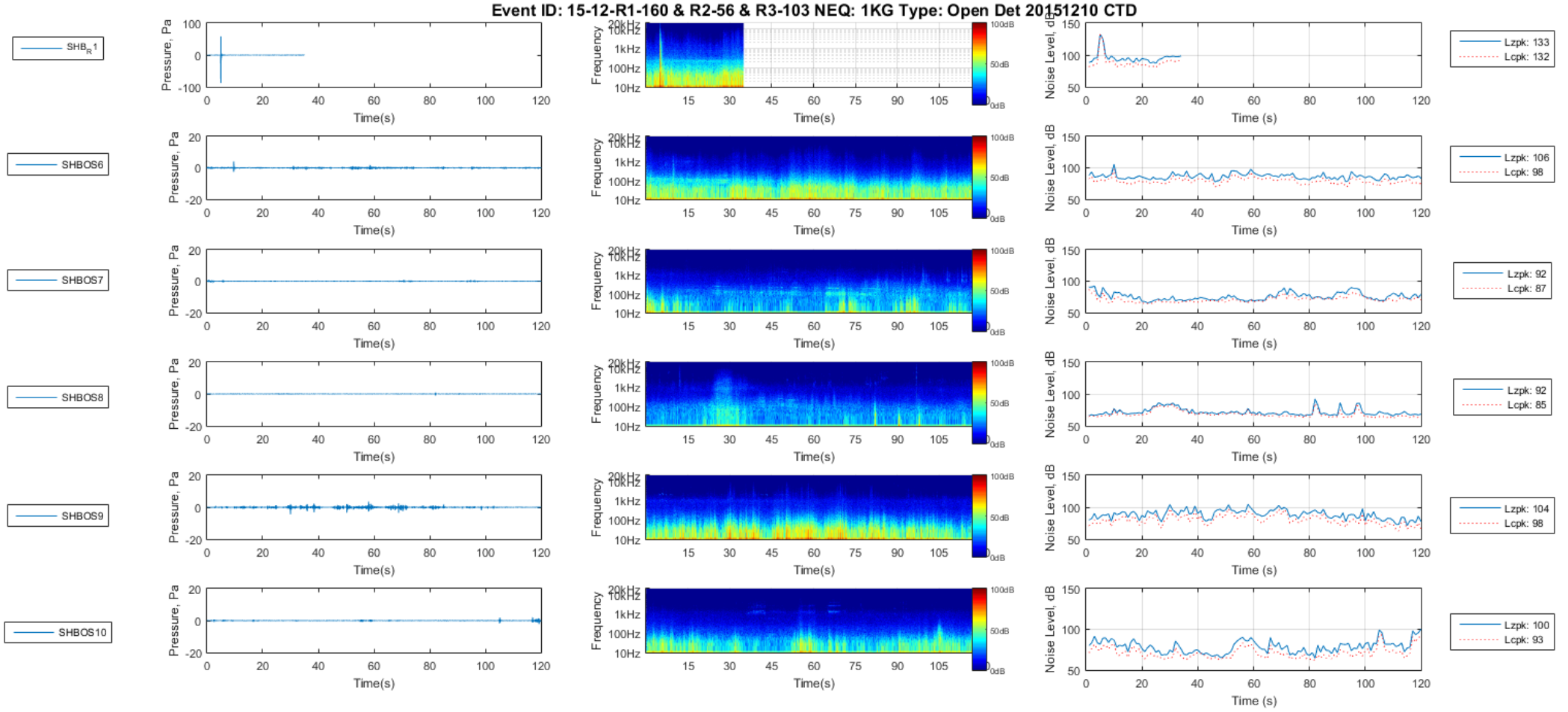


FIGURE 2.2042: SHB_OS 6 - 10 15-12-R1-160 & R2-56 & R3-103

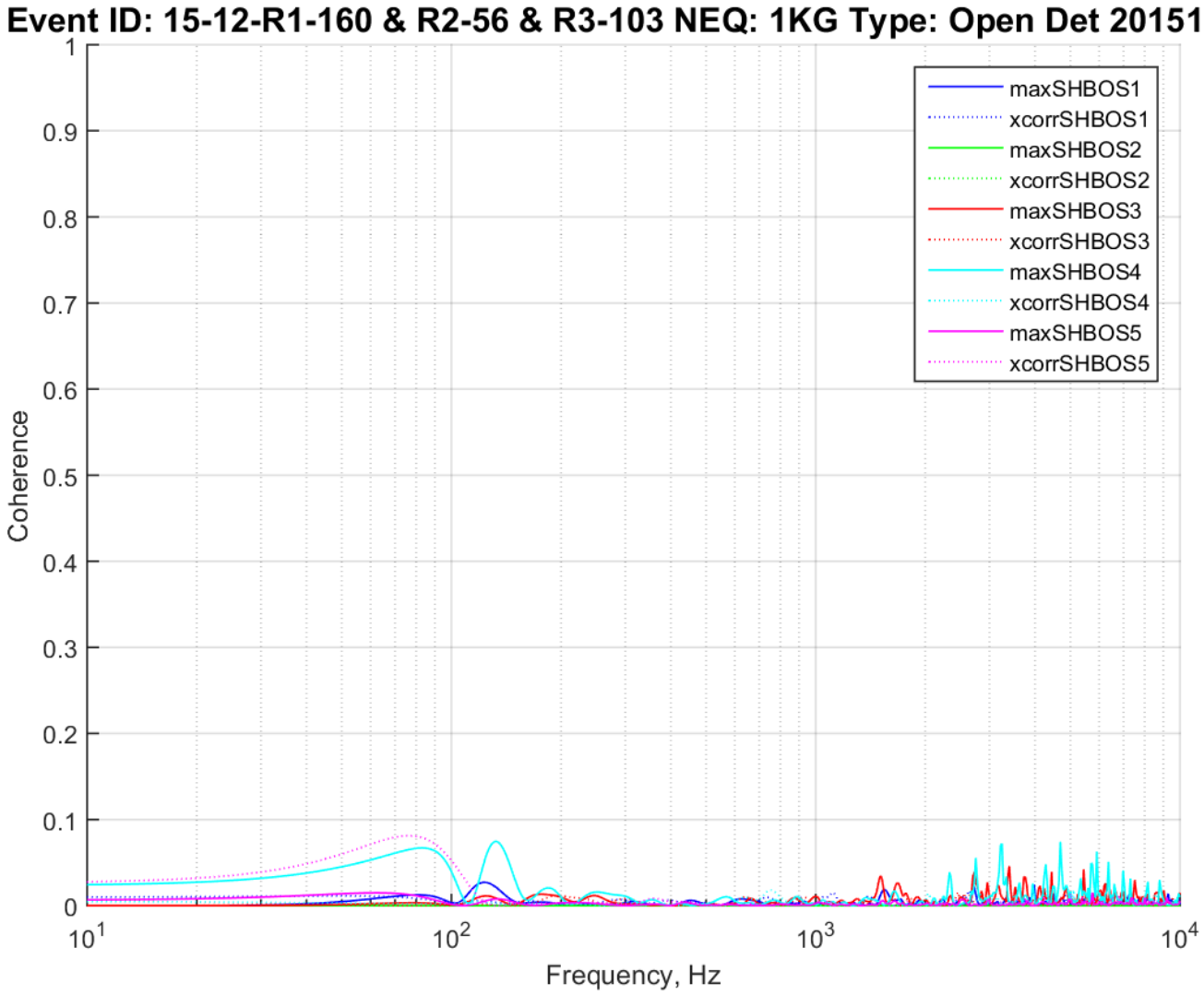


FIGURE 2.2043: COHERENCE SHB_OS 1 - 5 15-12-R1-160 & R2-56 & R3-103

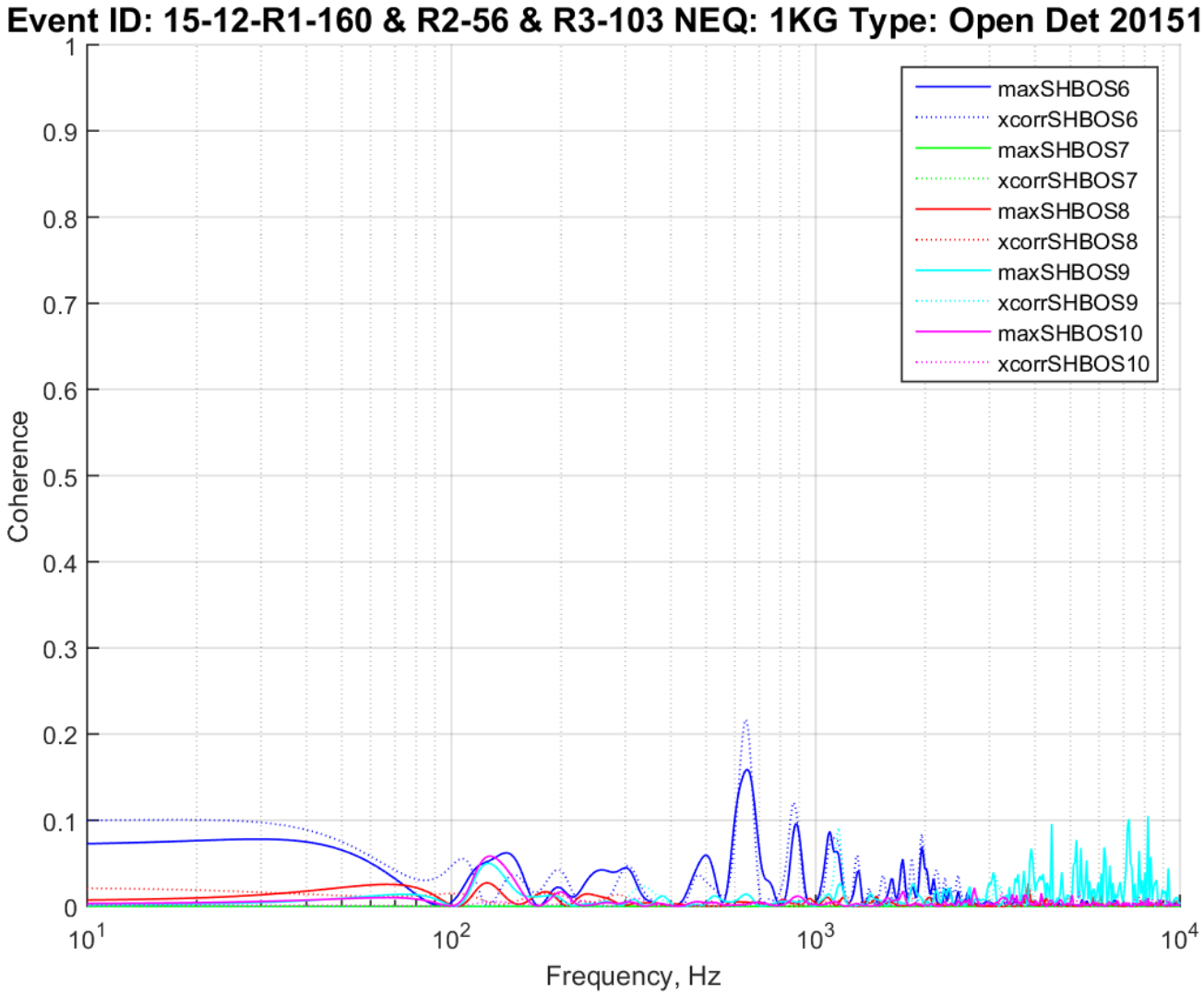


FIGURE 2.2044: COHERENCE SHB_OS 6 - 10 15-12-R1-160 & R2-56 & R3-103CTD

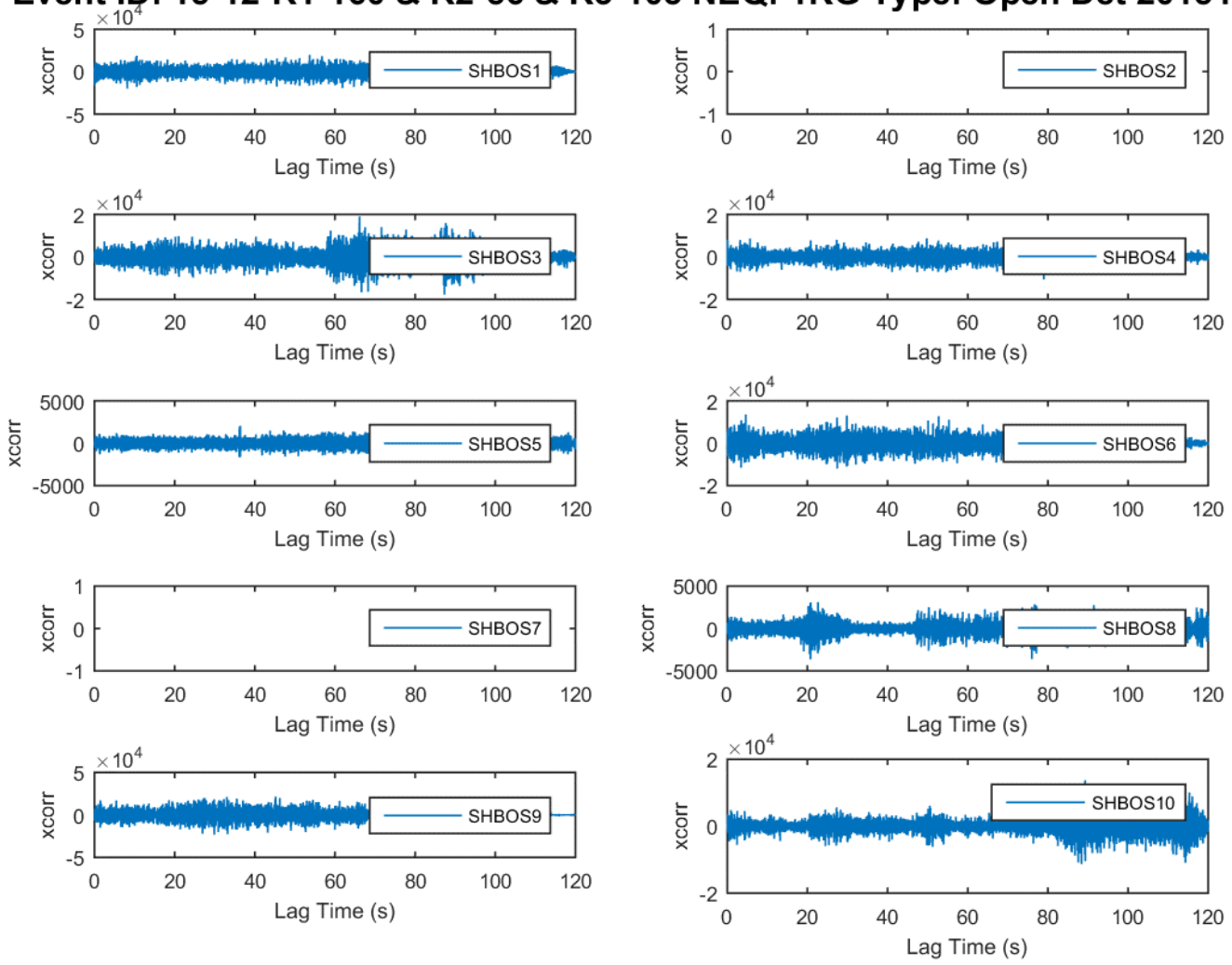


FIGURE 2.2045: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-160 & R2-56 & R3-103

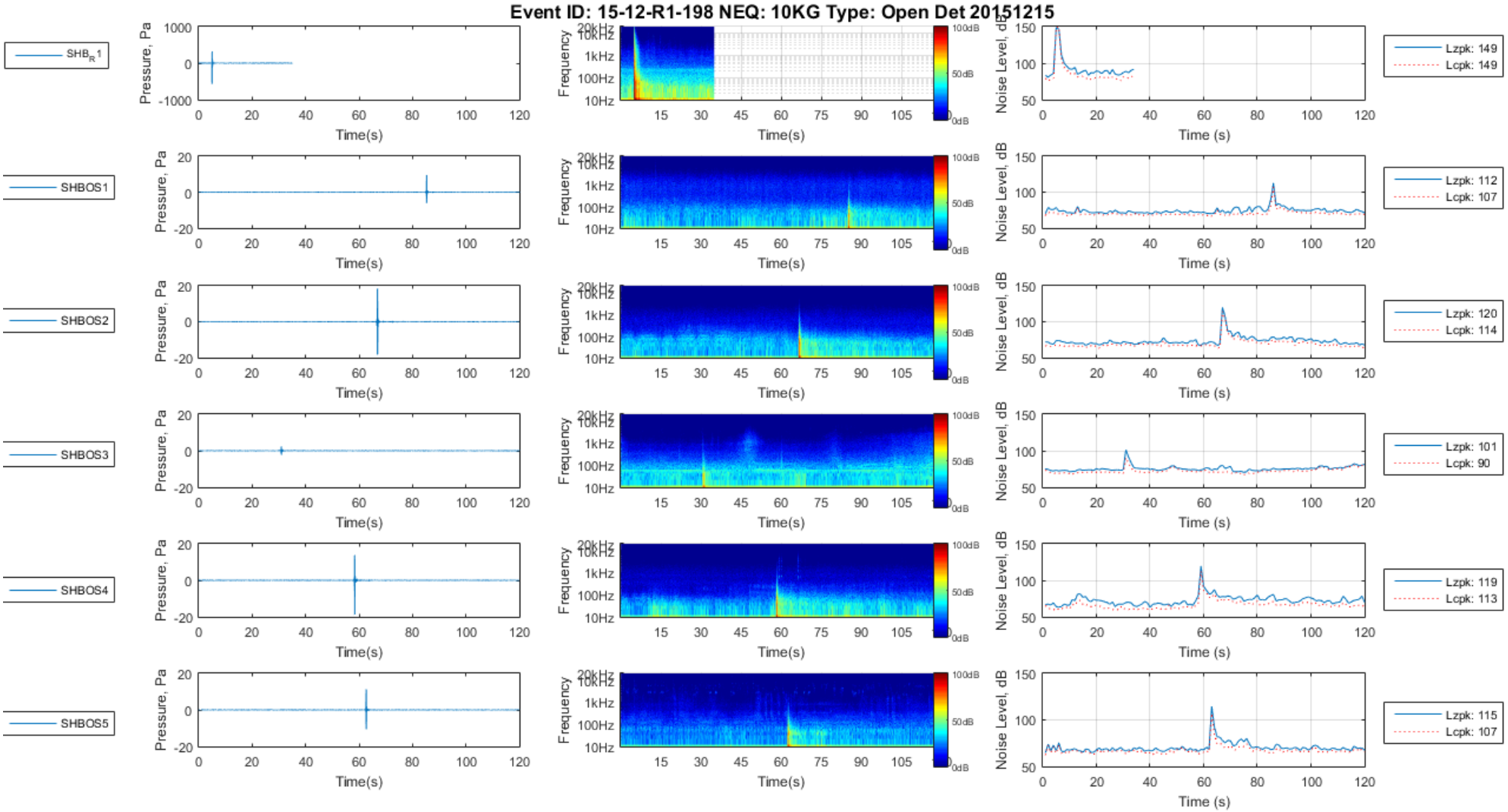
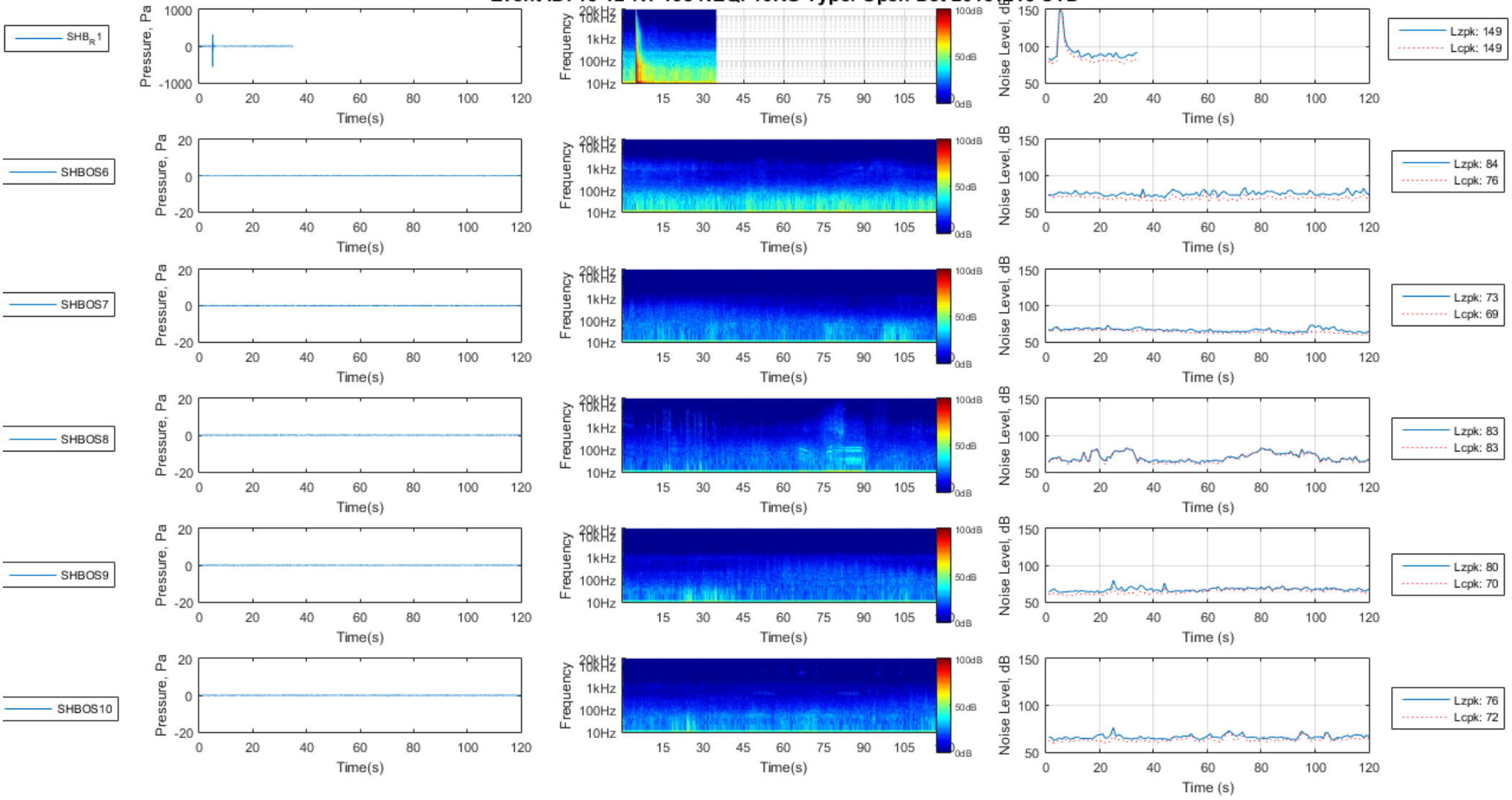


FIGURE 2.2046: SHB_OS 1 - 5 15-12-R1-198


Event ID: 15-12-R1-198 NEQ: 10KG Type: Open Det 20151215 CTD
SHB_R 1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 149
Lcpk: 149
Lzpk: 84
Lcpk: 76
Lzpk: 73
Lcpk: 69
Lzpk: 83
Lcpk: 83
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Lzpk: 76
Lcpk: 72

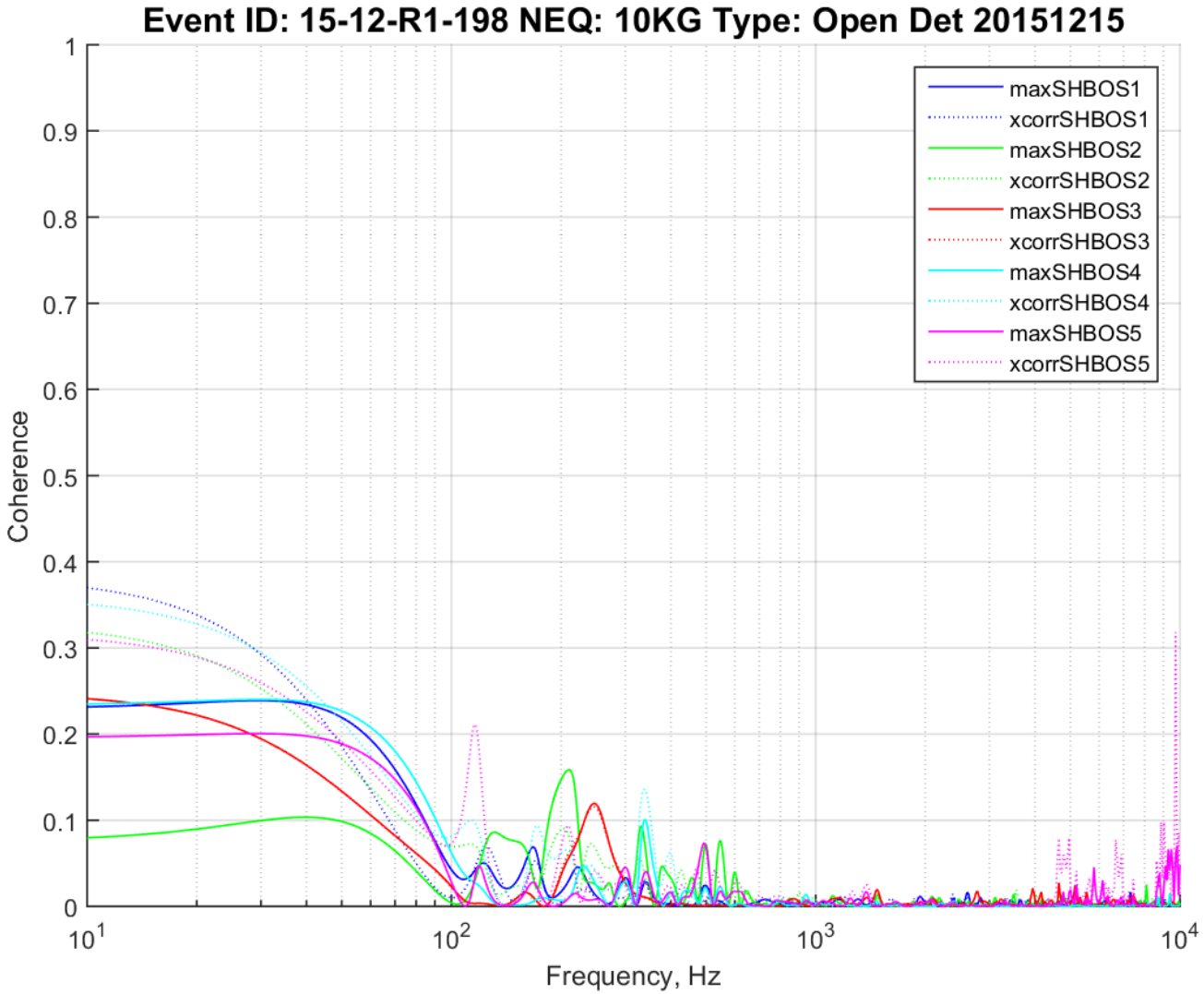


FIGURE 2.2048: COHERENCE SHB_OS 1 - 5 15-12-R1-198

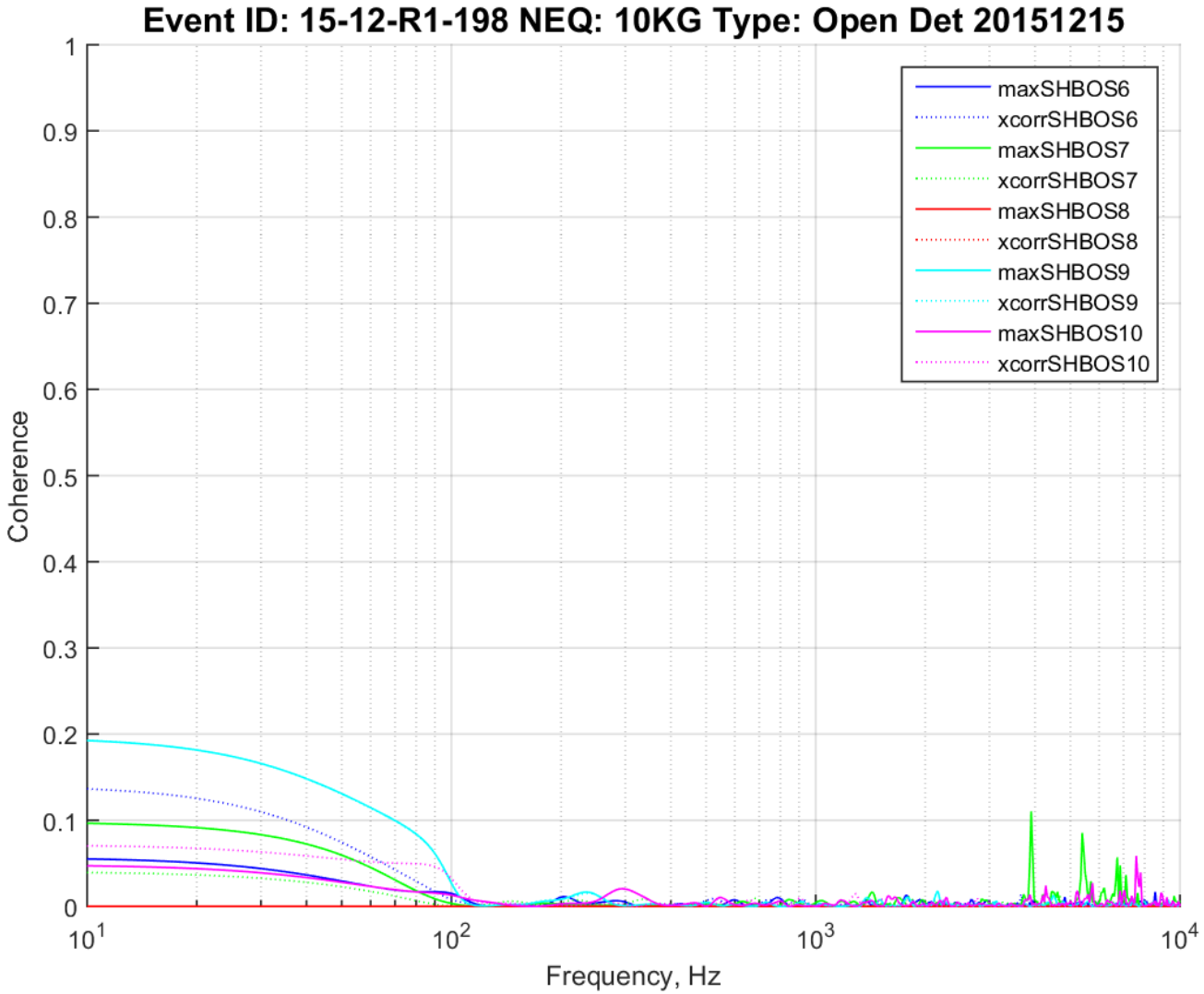


FIGURE 2.2049: COHERENCE SHB_OS 6 - 10 15-12-R1-198CTD

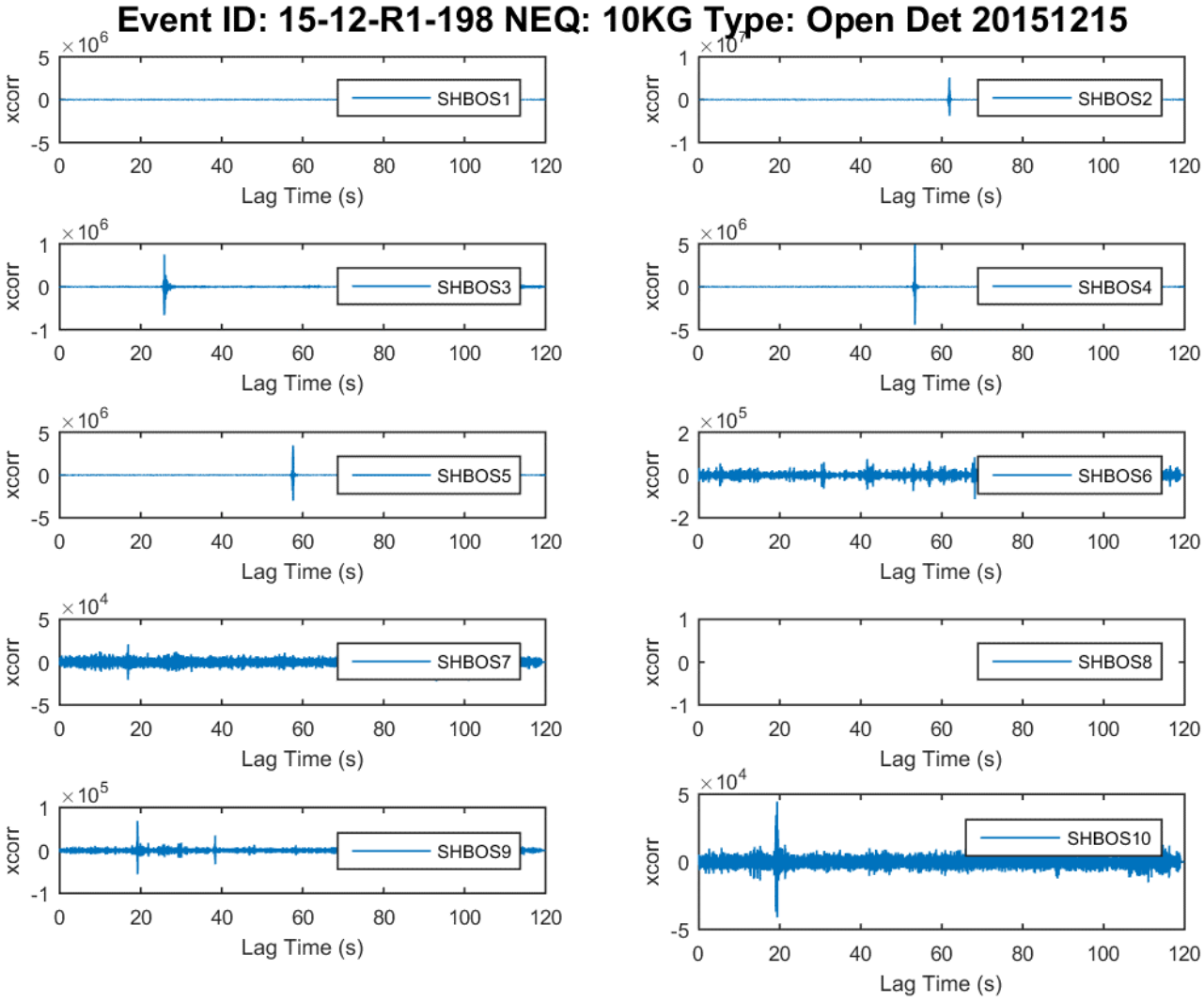


FIGURE 2.2050: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-198

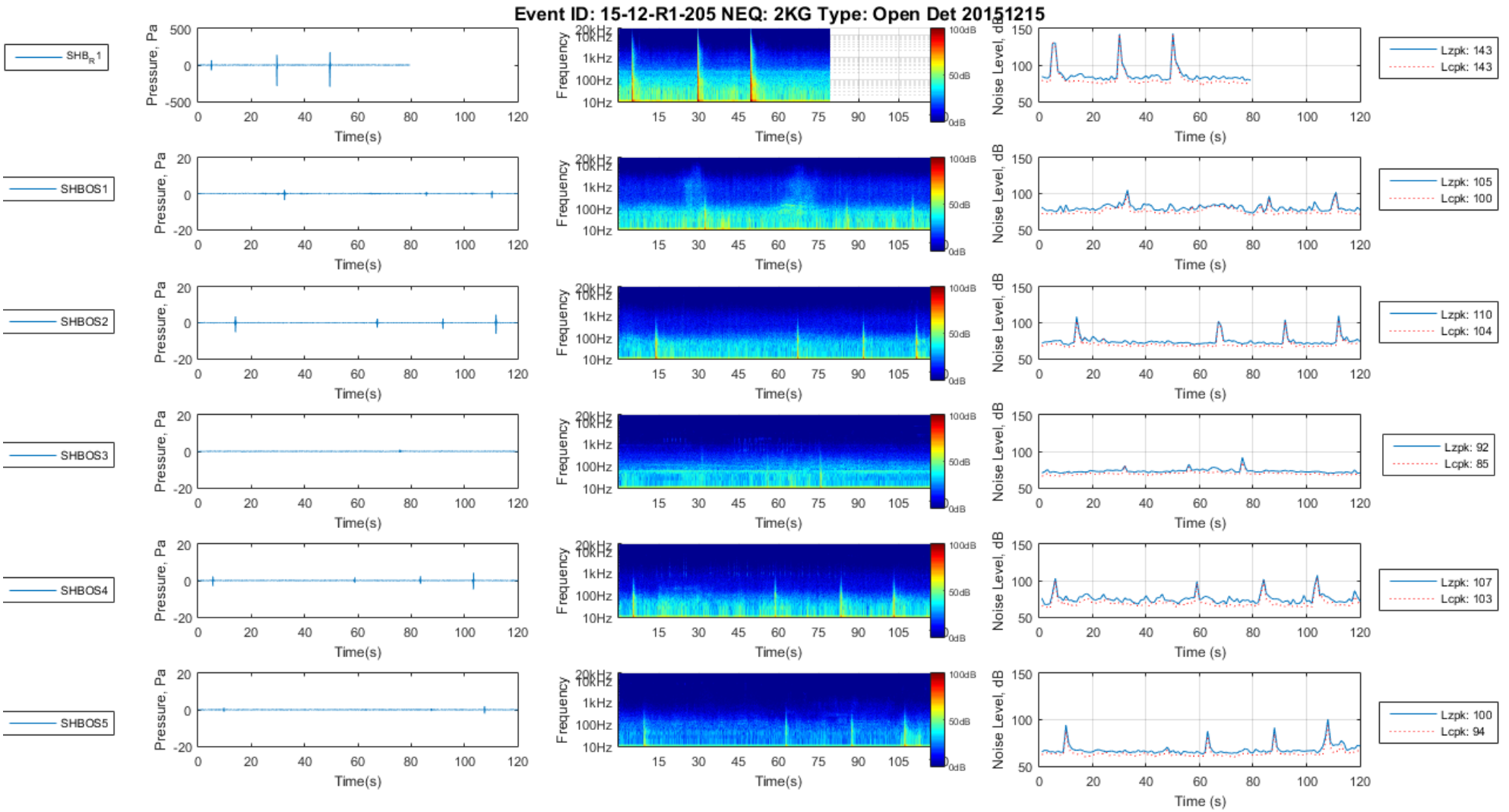


FIGURE 2.2051: SHB_OS 1 - 5 15-12-R1-205

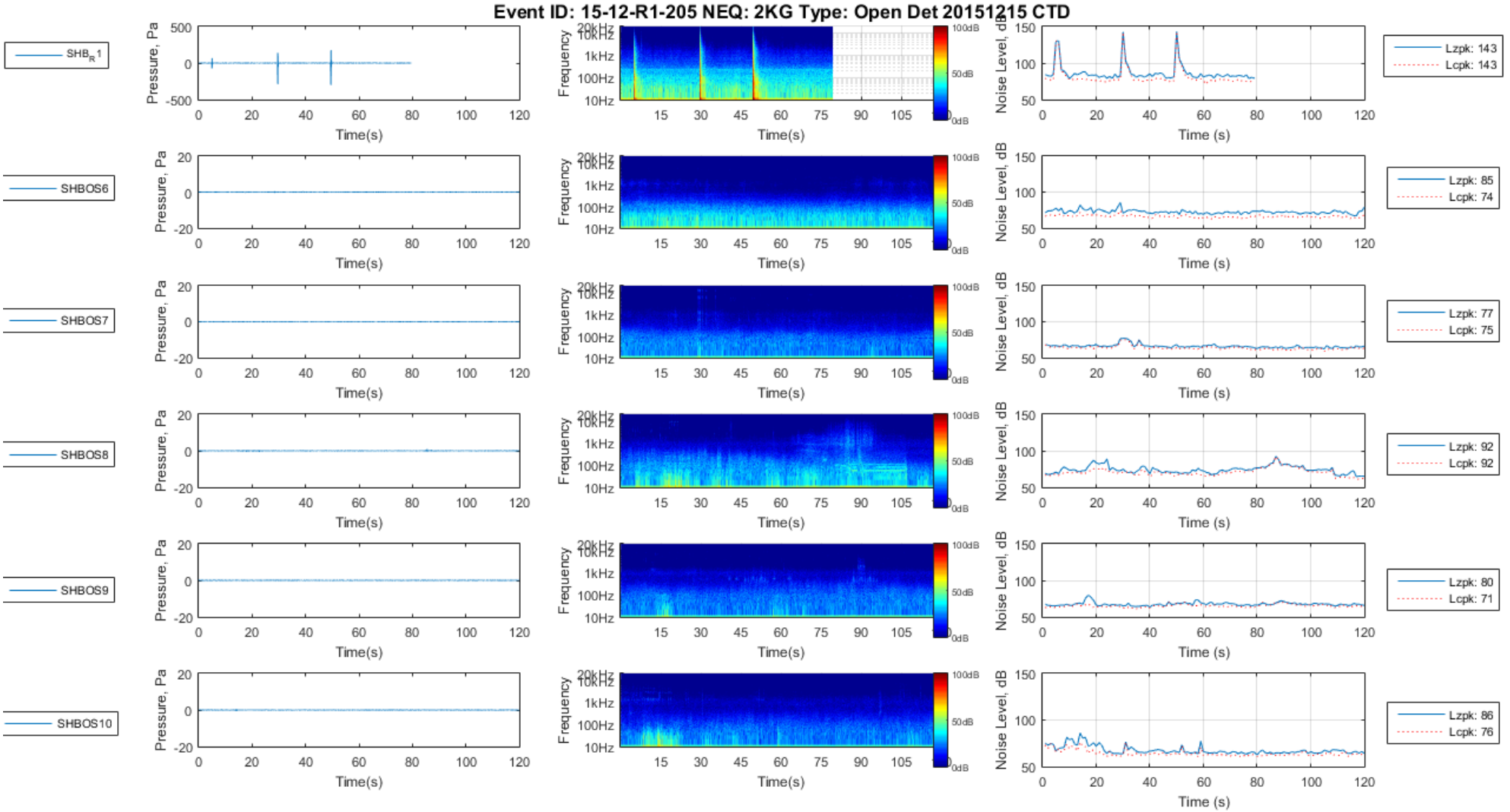


FIGURE 2.2052: SHB_OS 6 - 10 15-12-R1-205

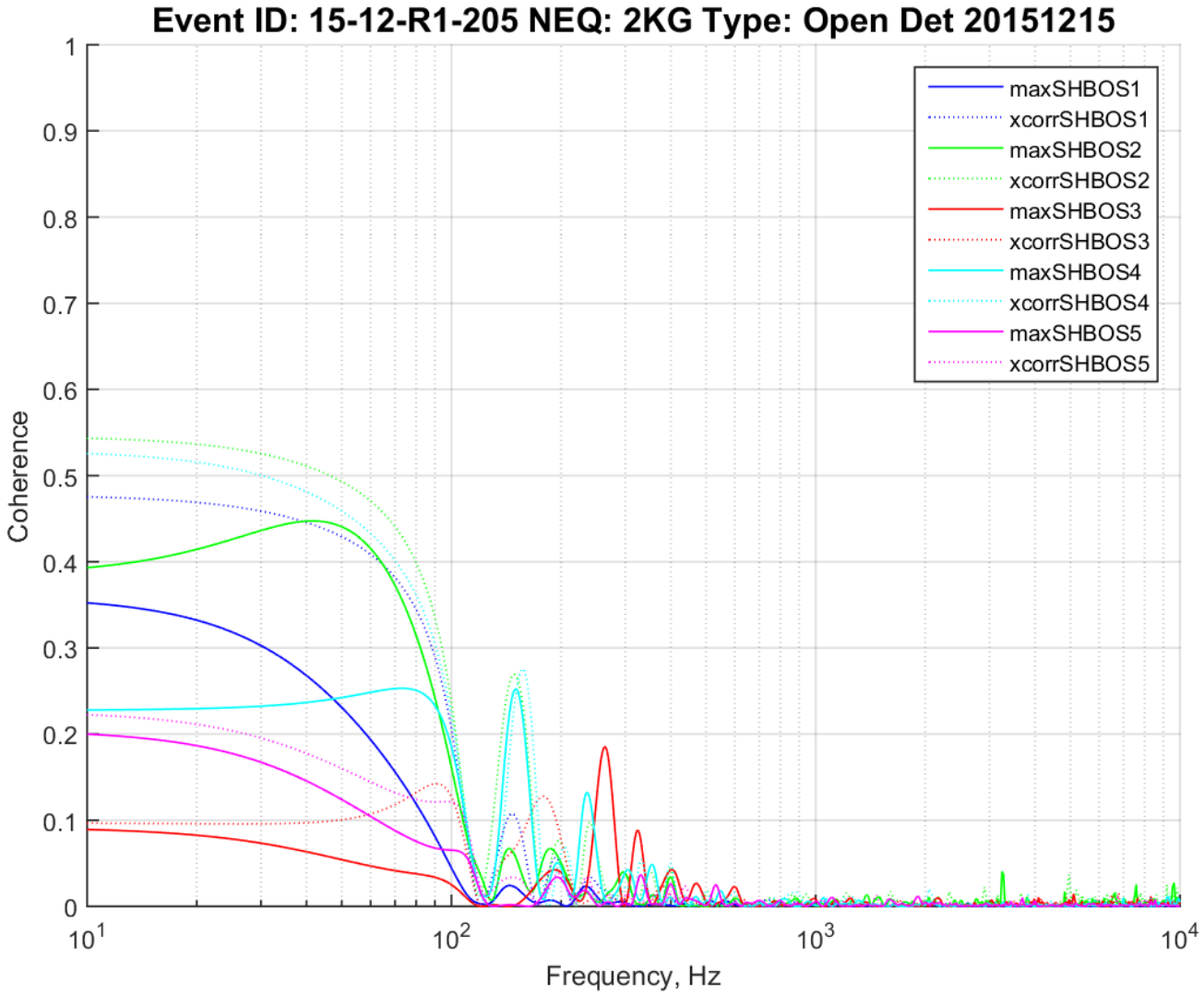


FIGURE 2.2053: COHERENCE SHB_OS 1 - 5 15-12-R1-205

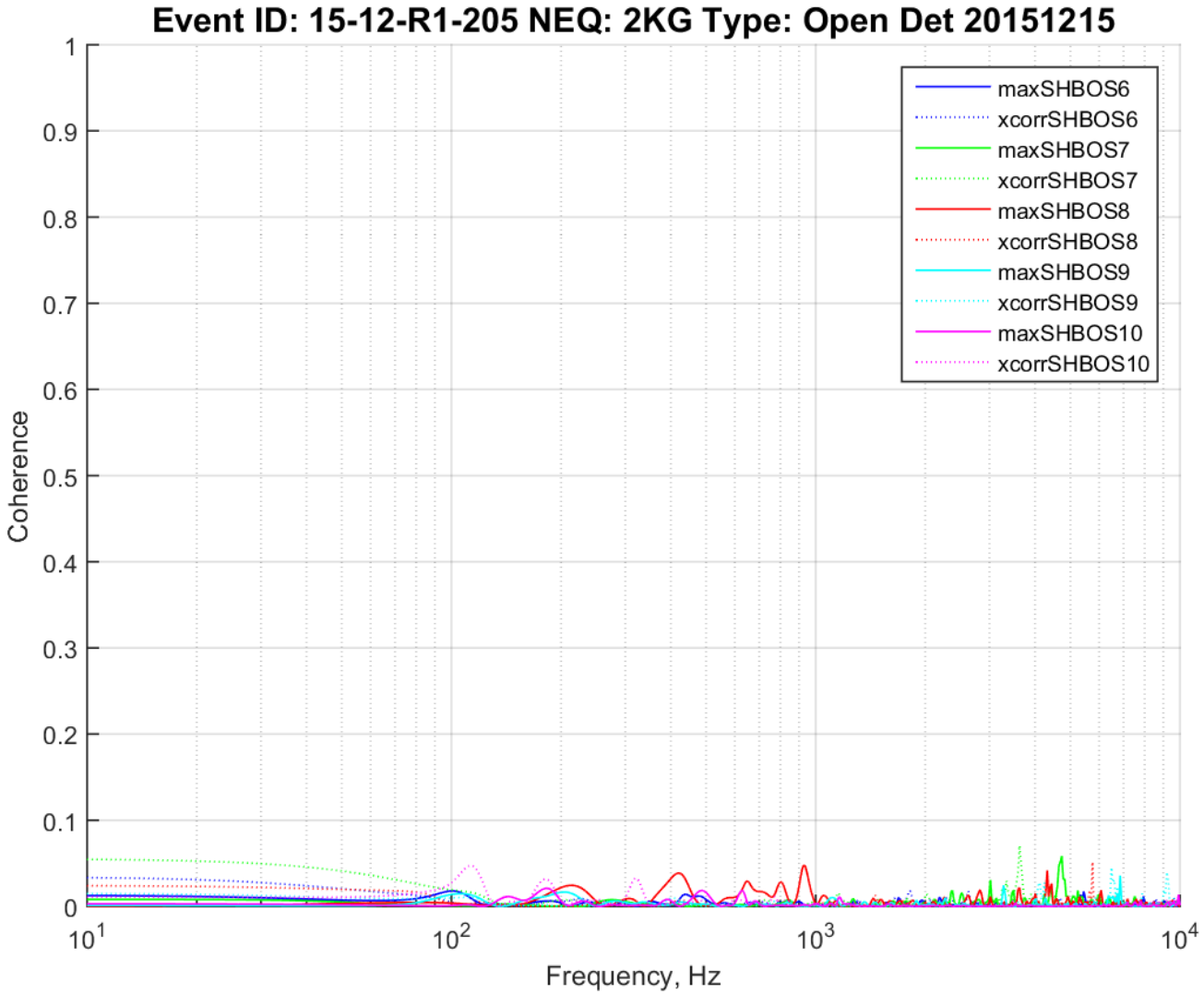


FIGURE 2.2054: COHERENCE SHB_OS 6 - 10 15-12-R1-205CTD

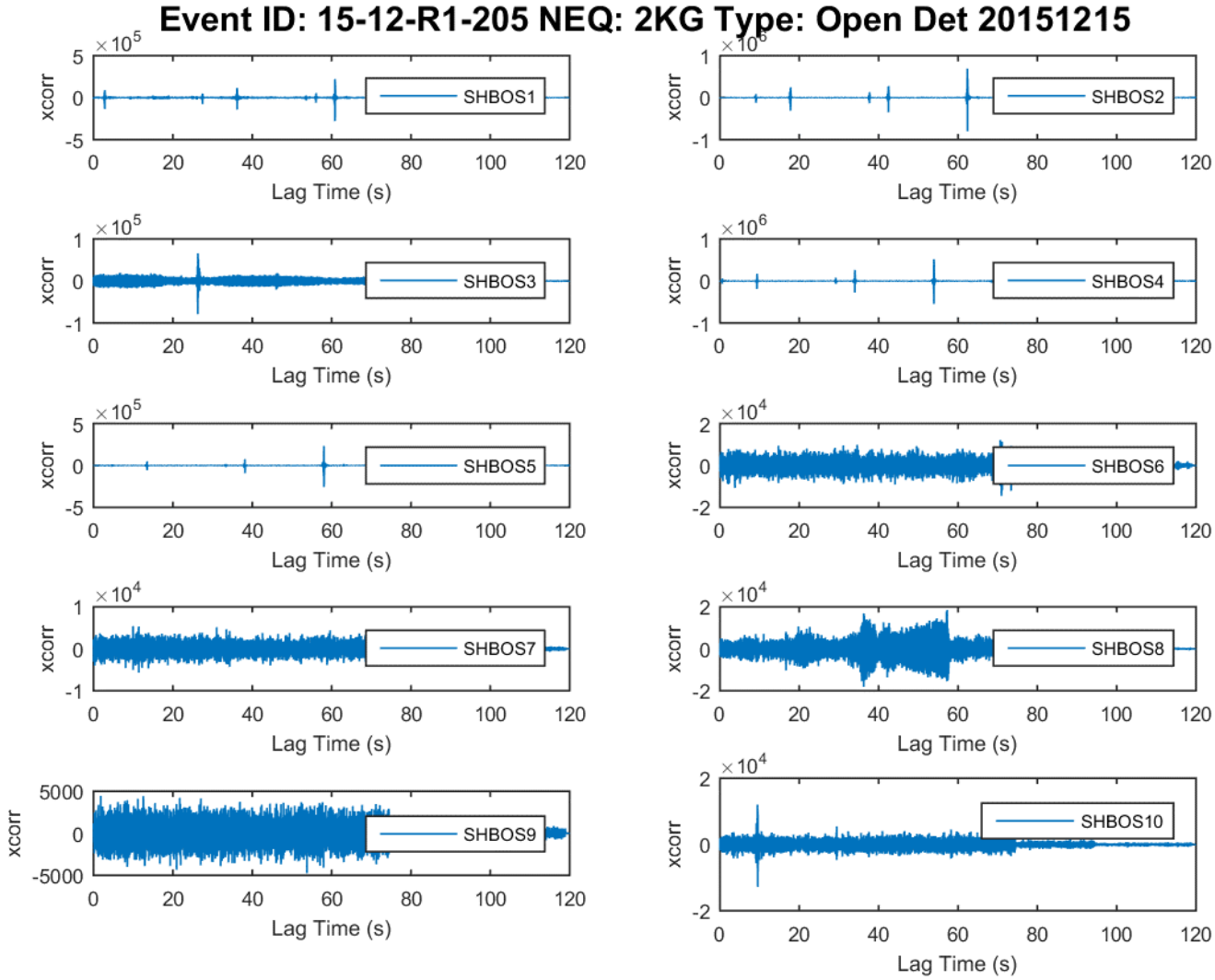


FIGURE 2.2055: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-205

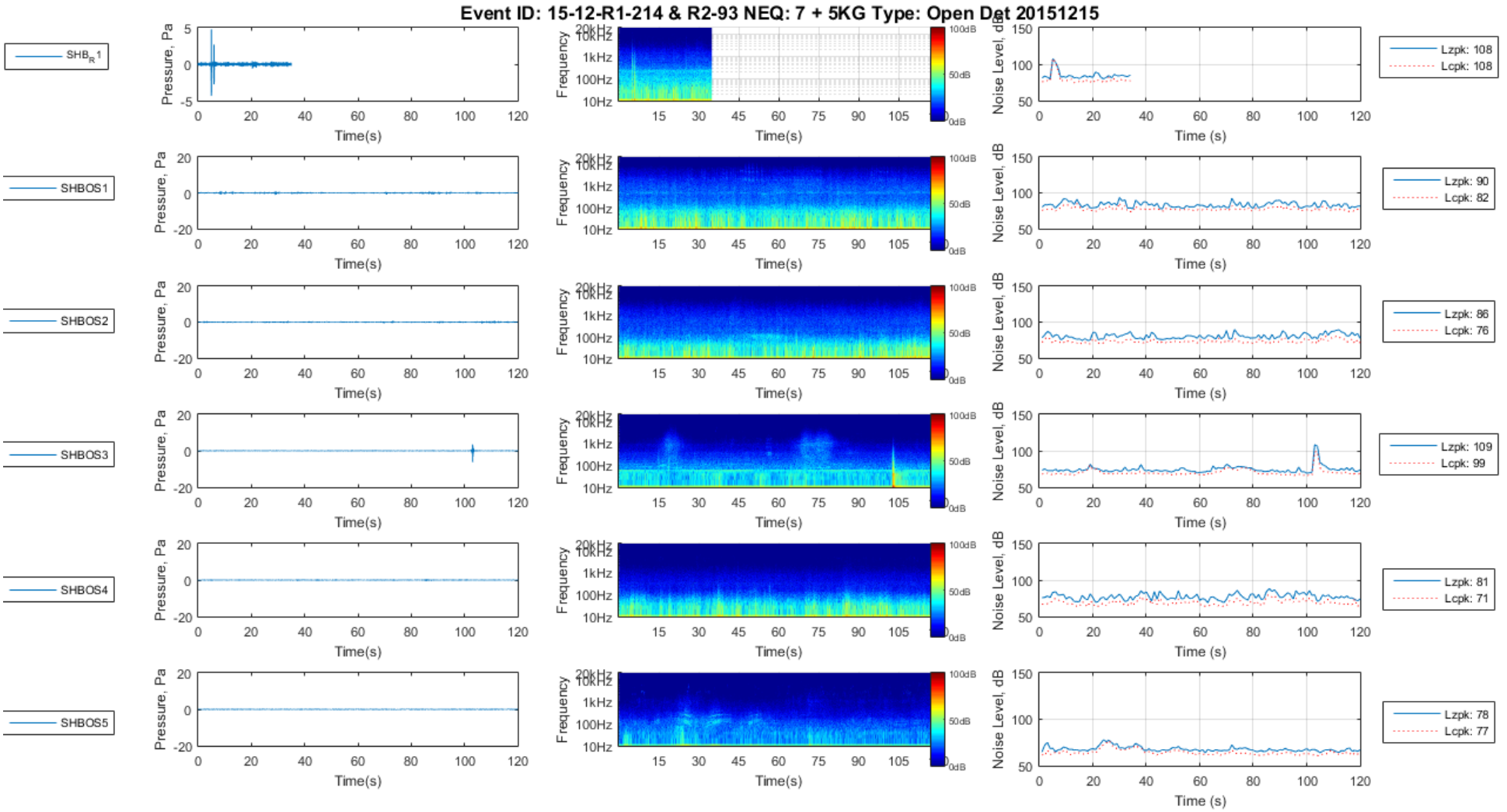


FIGURE 2.2056: SHB_OS 1 - 5 15-12-R1-214 & R2-93

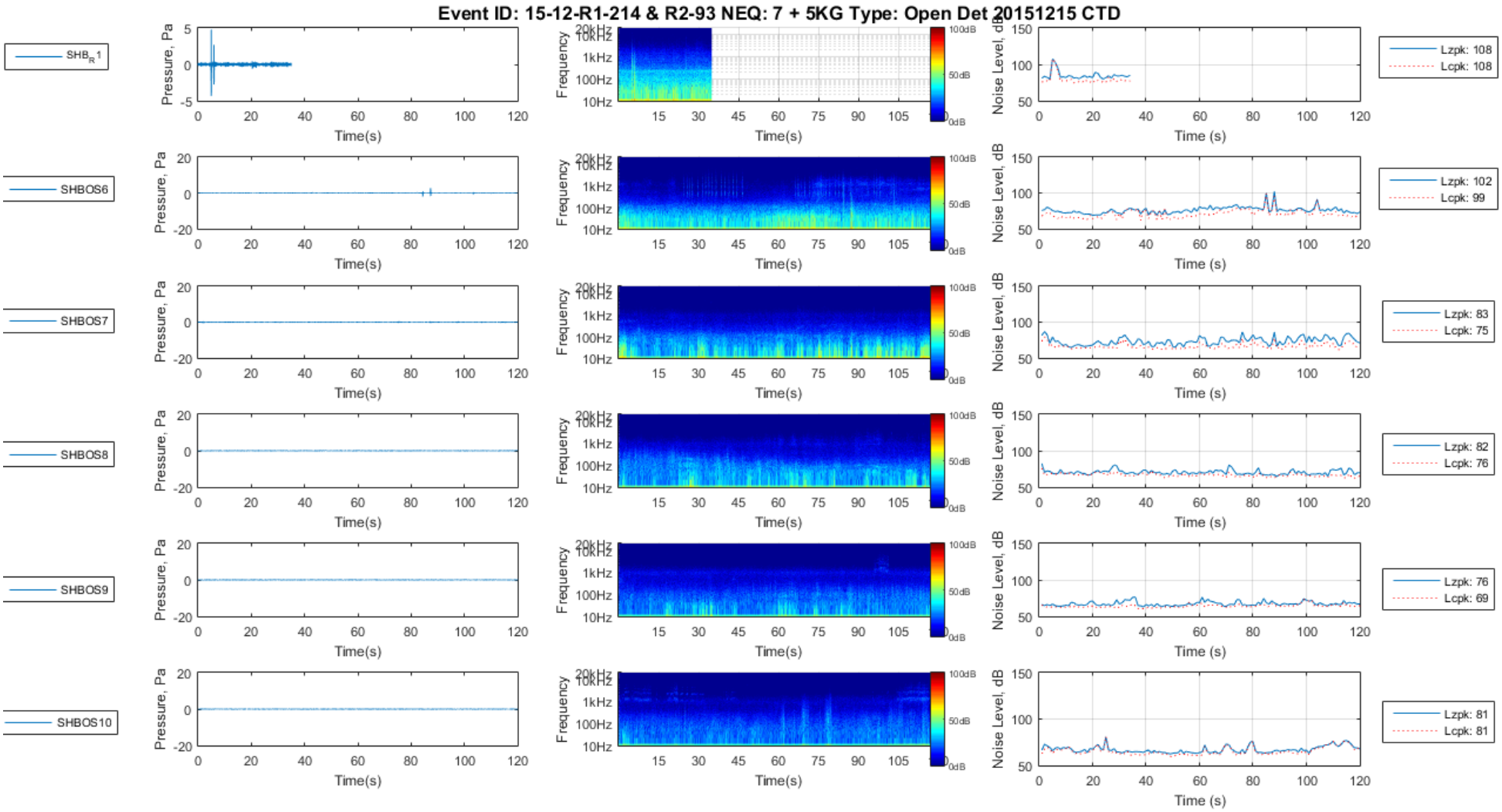


FIGURE 2.2057: SHB_OS 6 - 10 15-12-R1-214 & R2-93

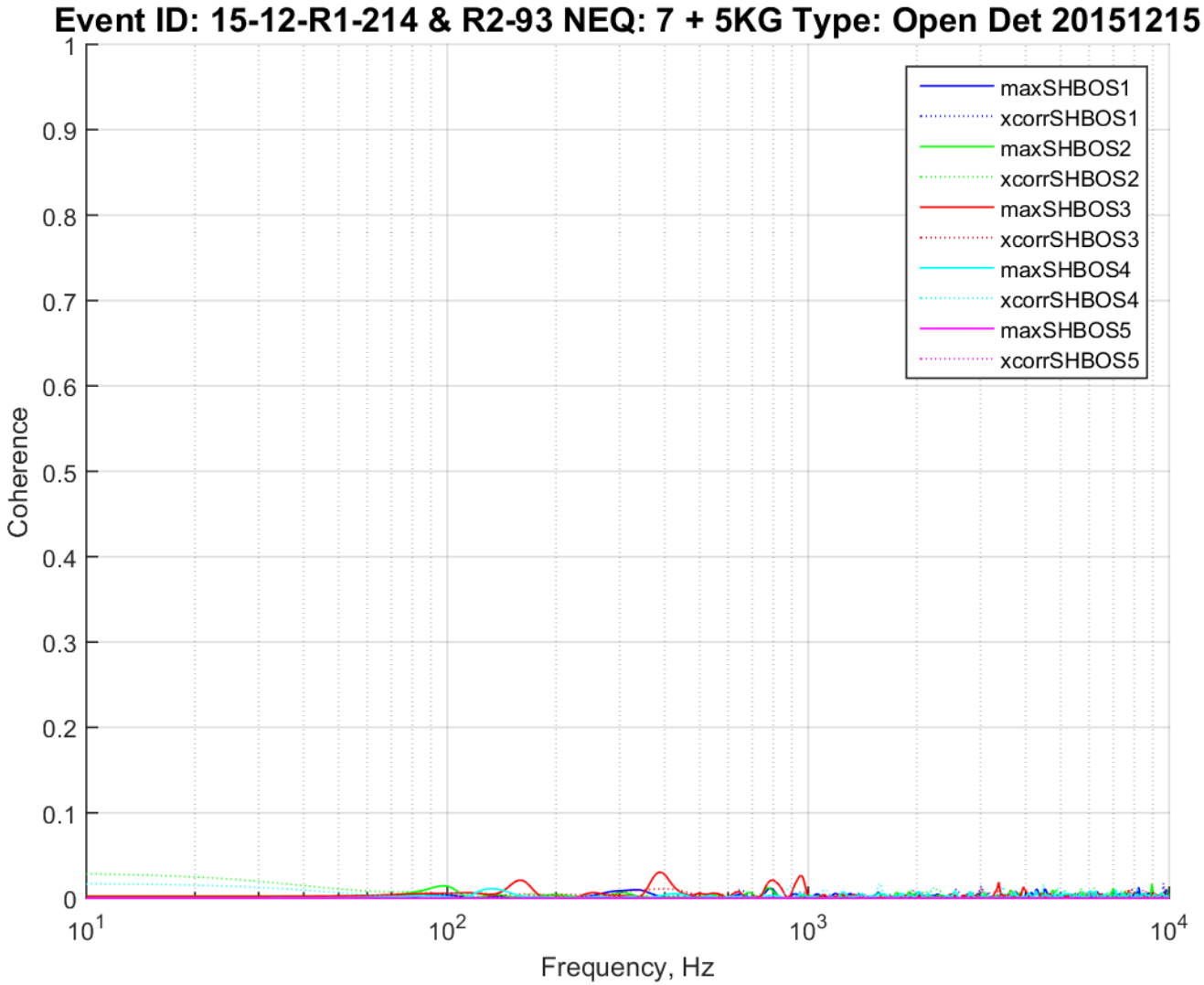


FIGURE 2.2058: COHERENCE SHB_OS 1 - 5 15-12-R1-214 & R2-93

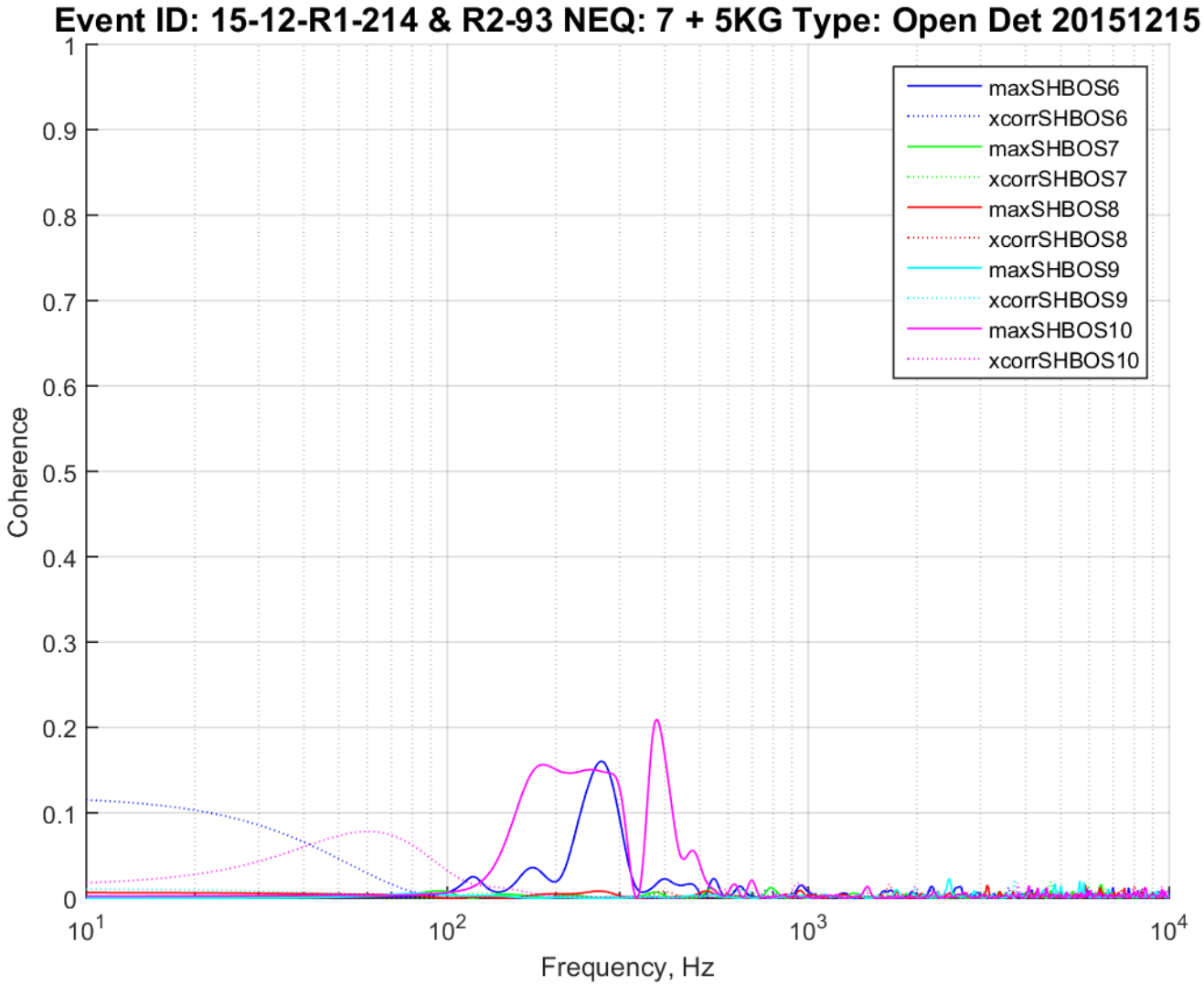


FIGURE 2.2059: COHERENCE SHB_OS 6 - 10 15-12-R1-214 & R2-93CTD

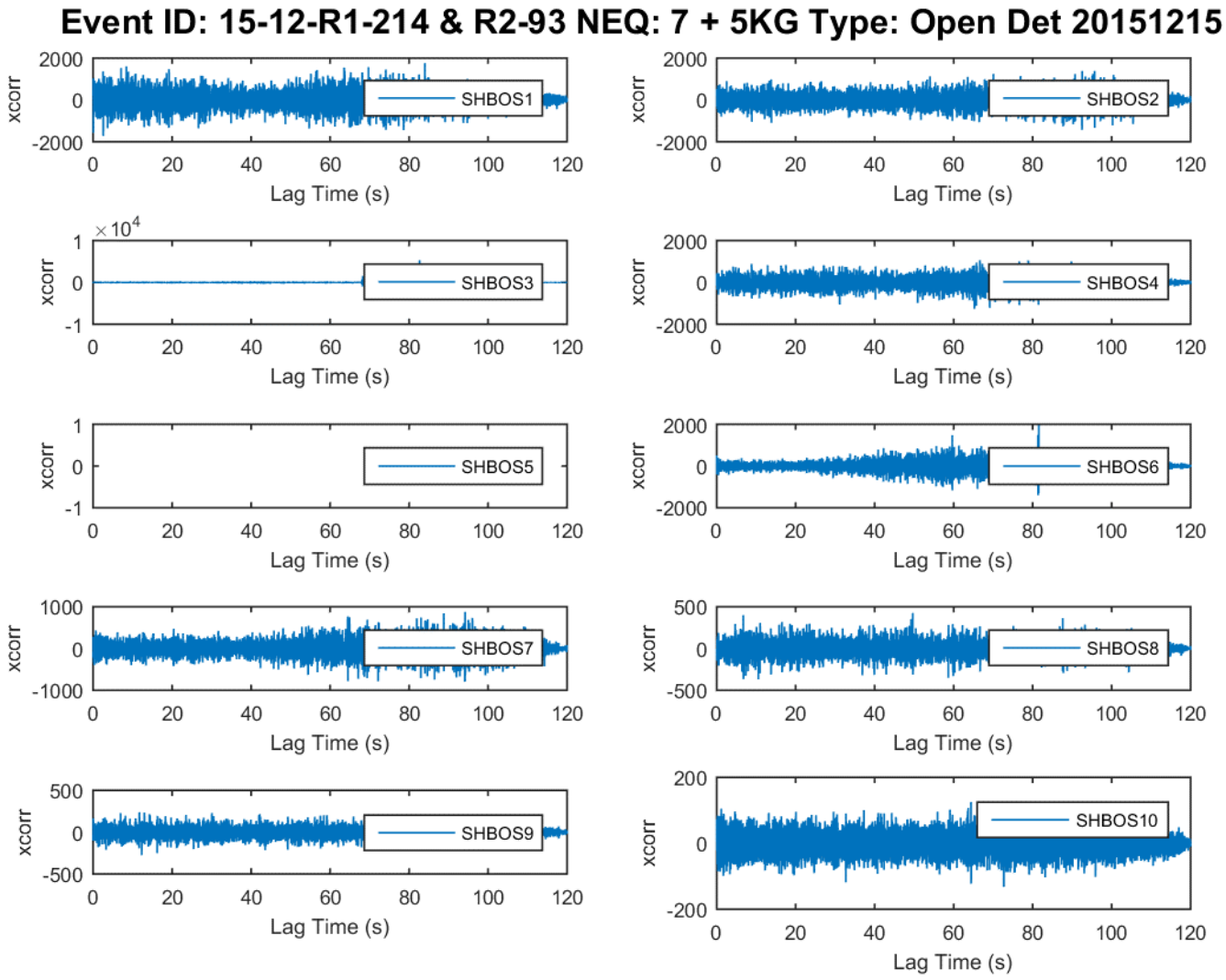


FIGURE 2.2060: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-214 & R2-93

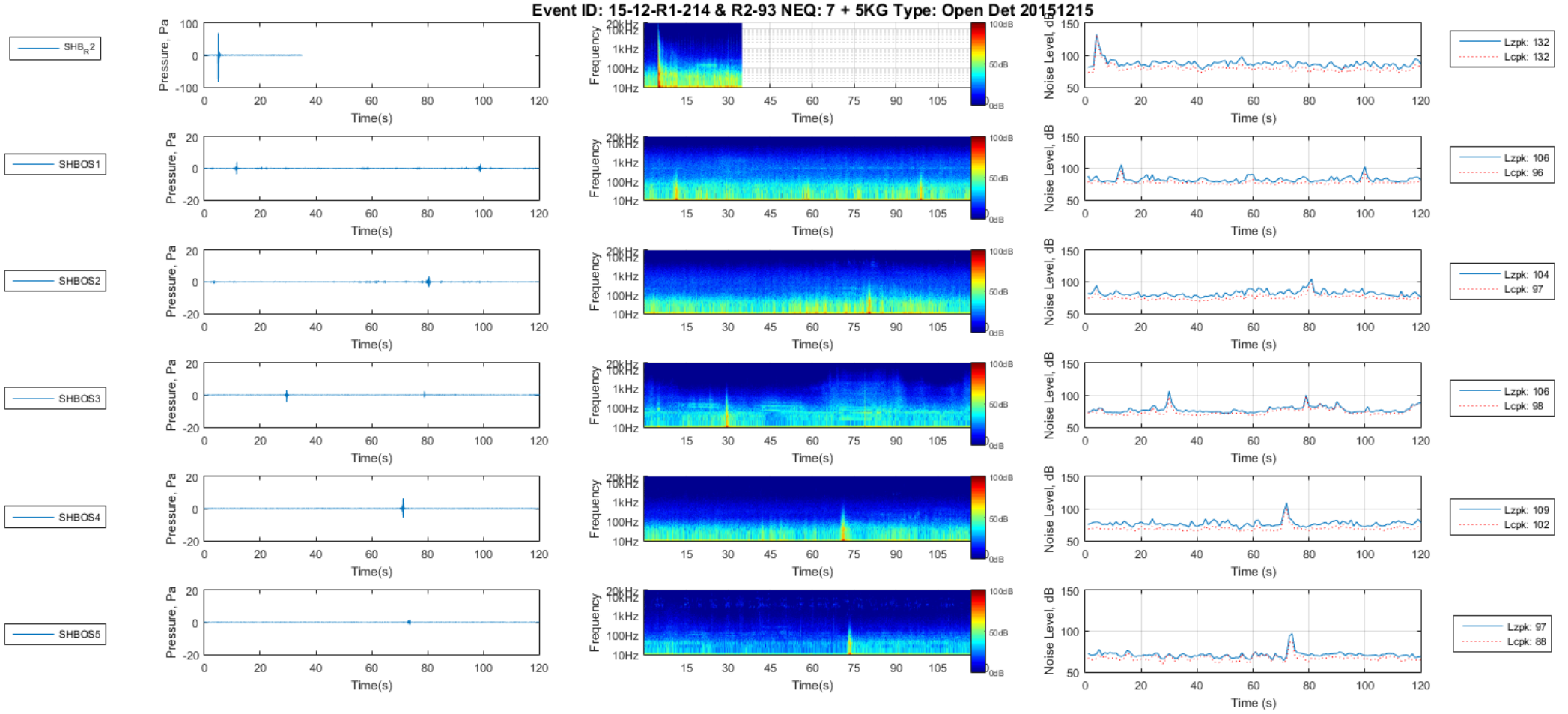


FIGURE 2.2061: SHB_OS 1 - 5 15-12-R1-214 & R2-93

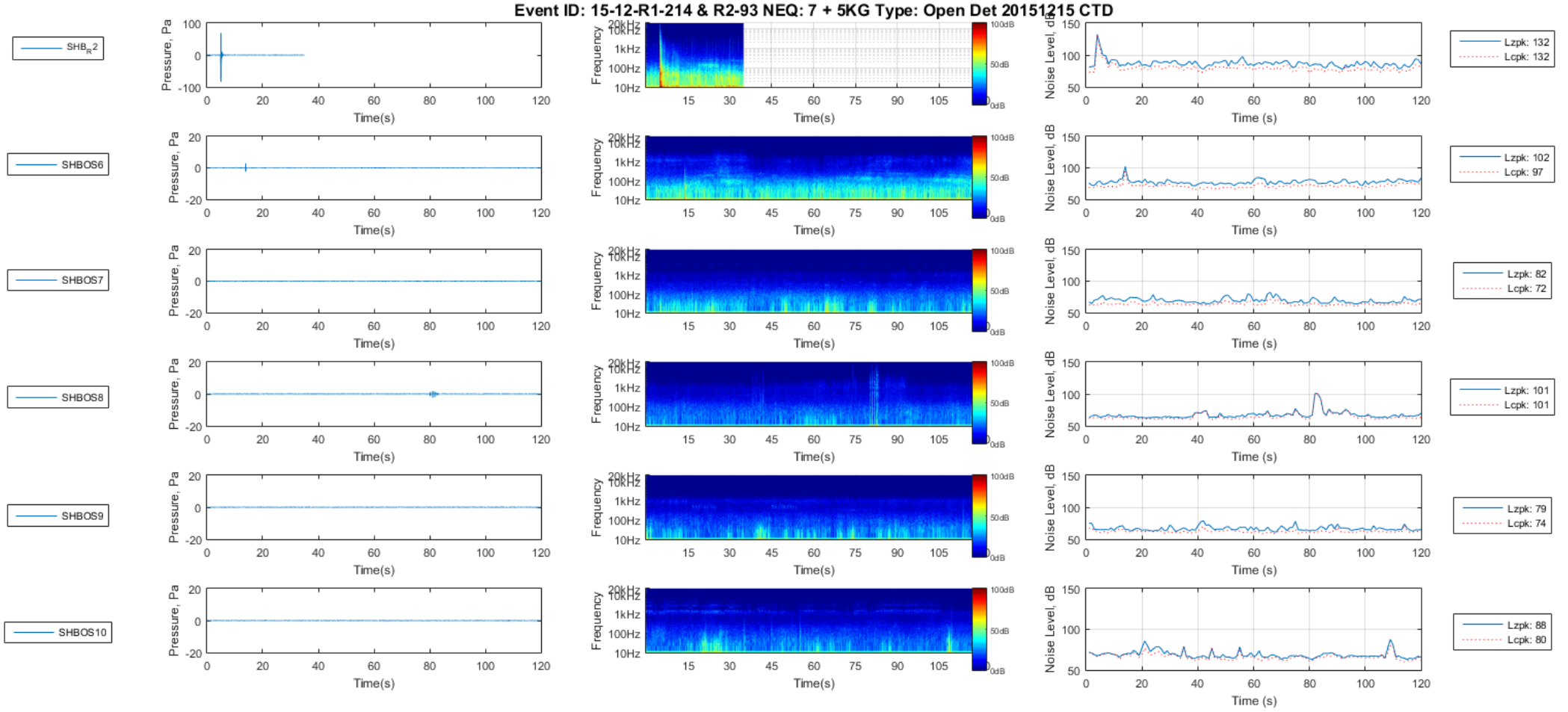


FIGURE 2.2062: SHB_OS 6 - 10 15-12-R1-214 & R2-93

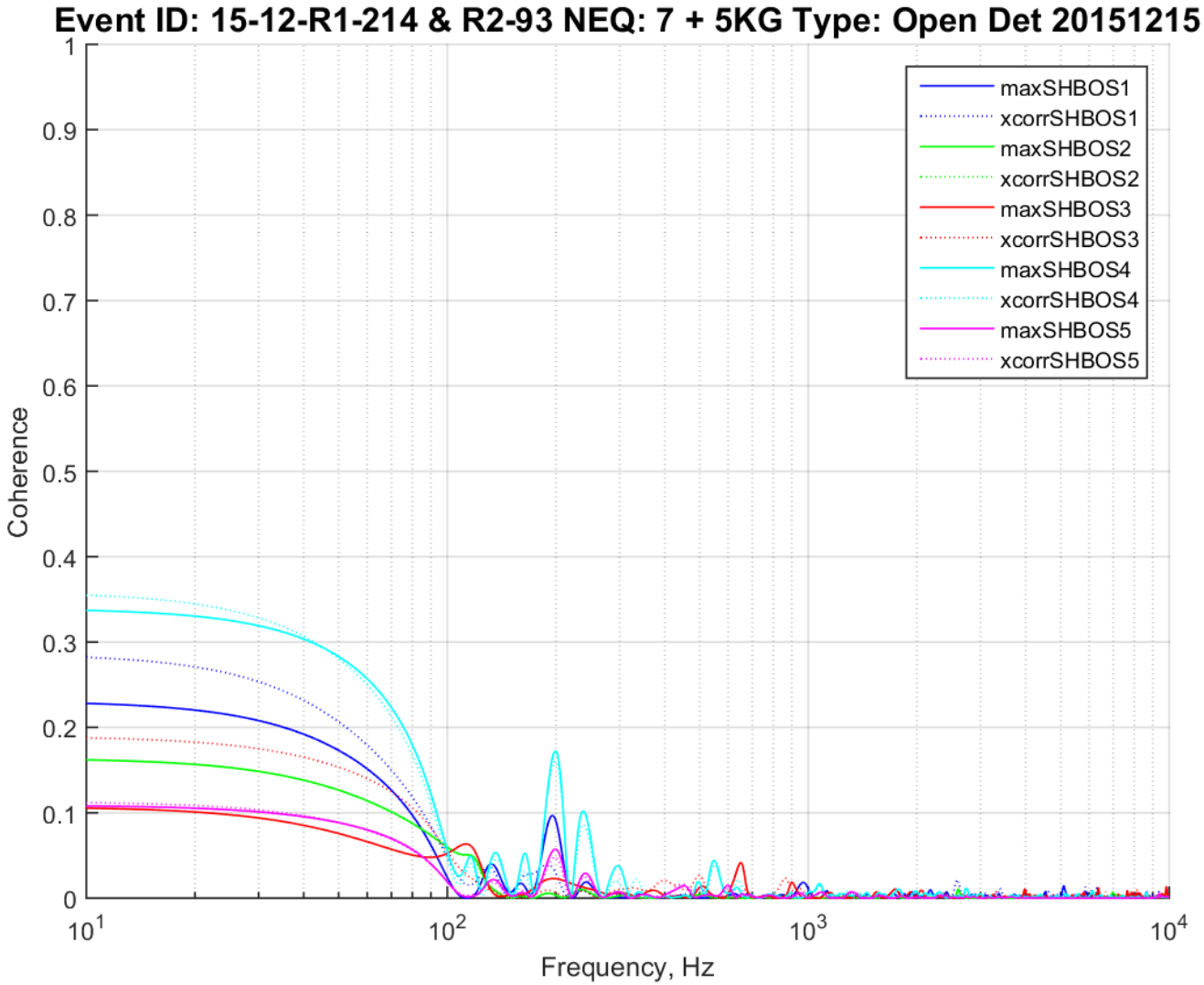


FIGURE 2.2063: COHERENCE SHB_OS 1 - 5 15-12-R1-214 & R2-93

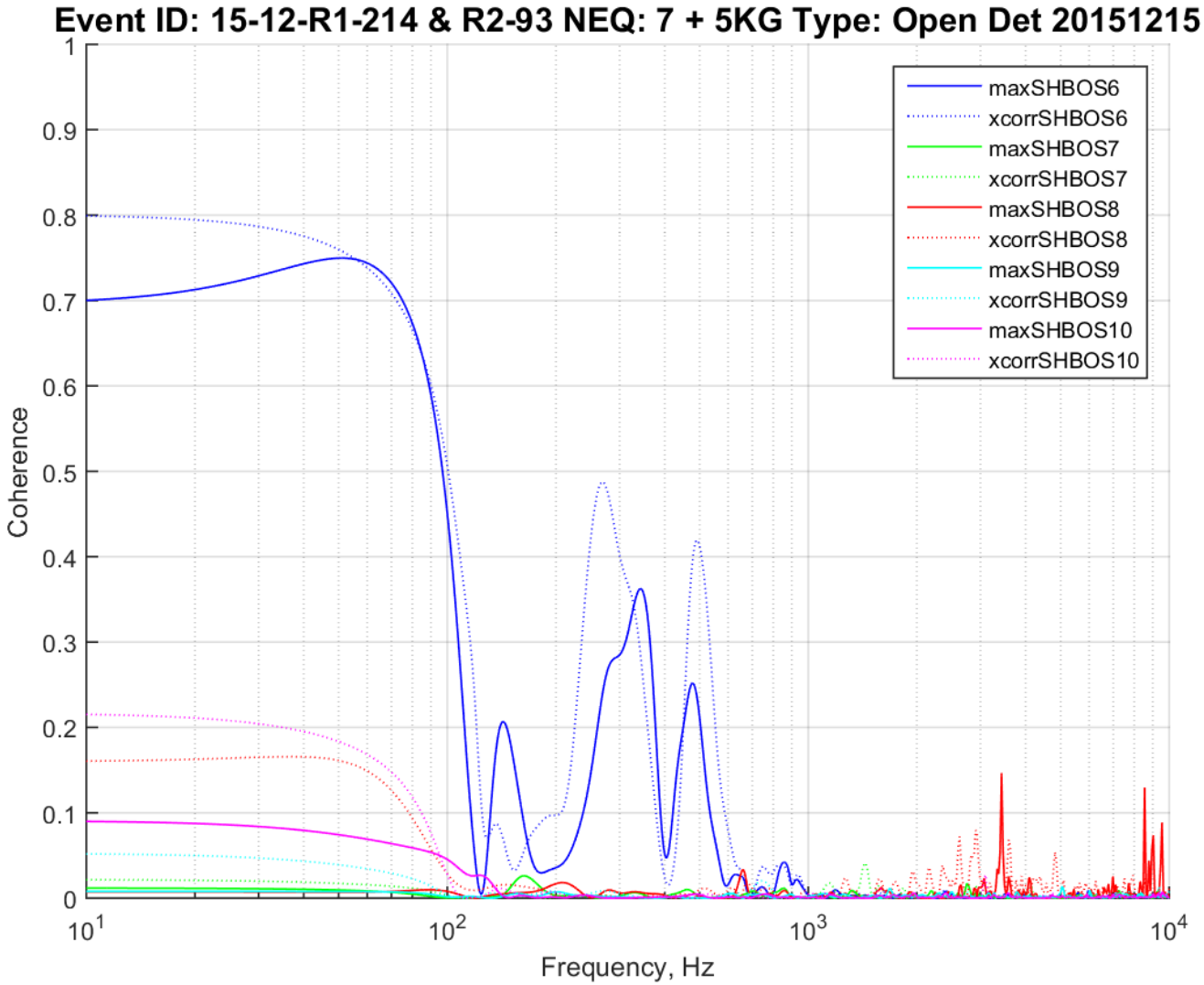


FIGURE 2.2064: COHERENCE SHB_OS 6 - 10 15-12-R1-214 & R2-93CTD

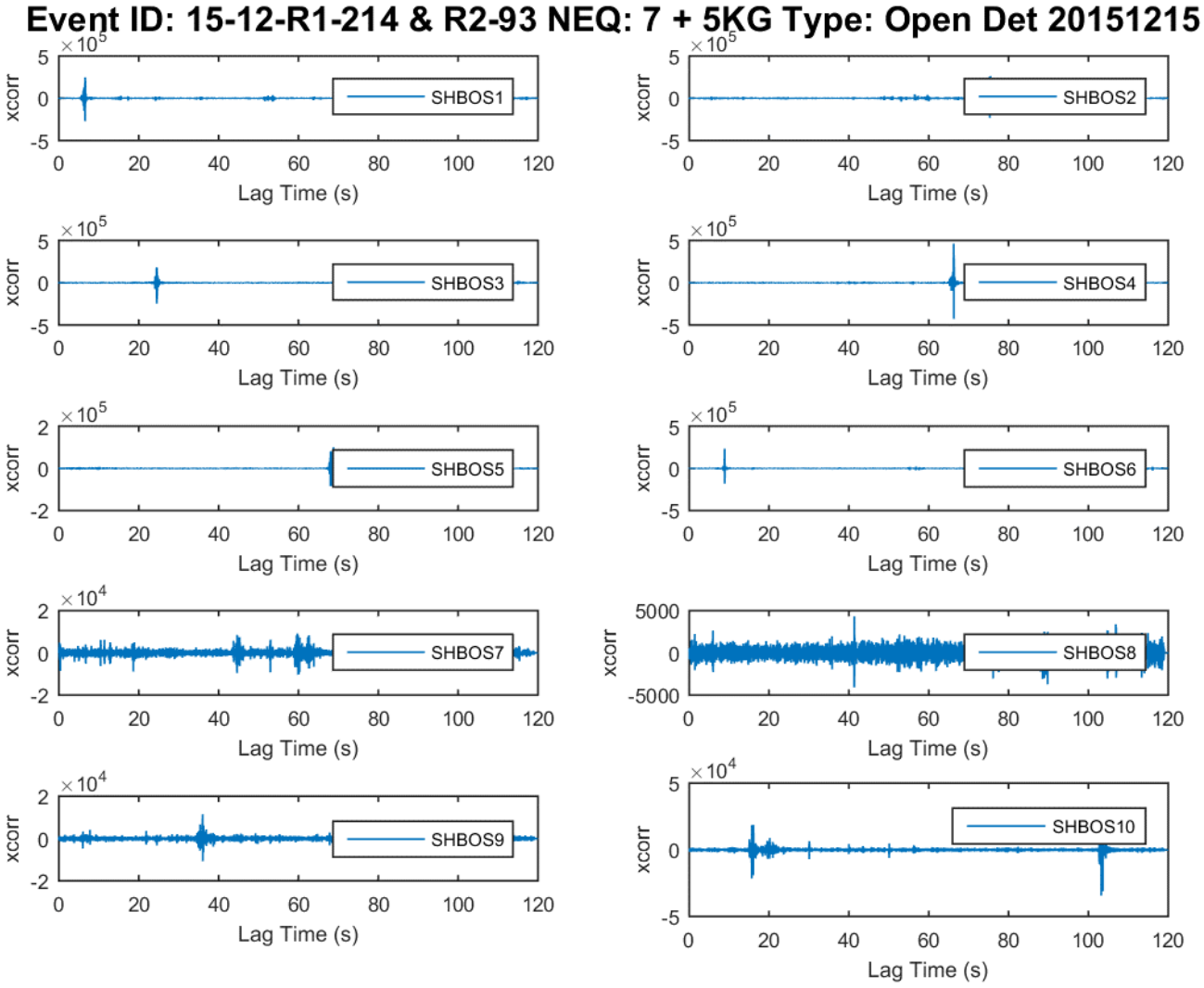


FIGURE 2.2065: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-214 & R2-93

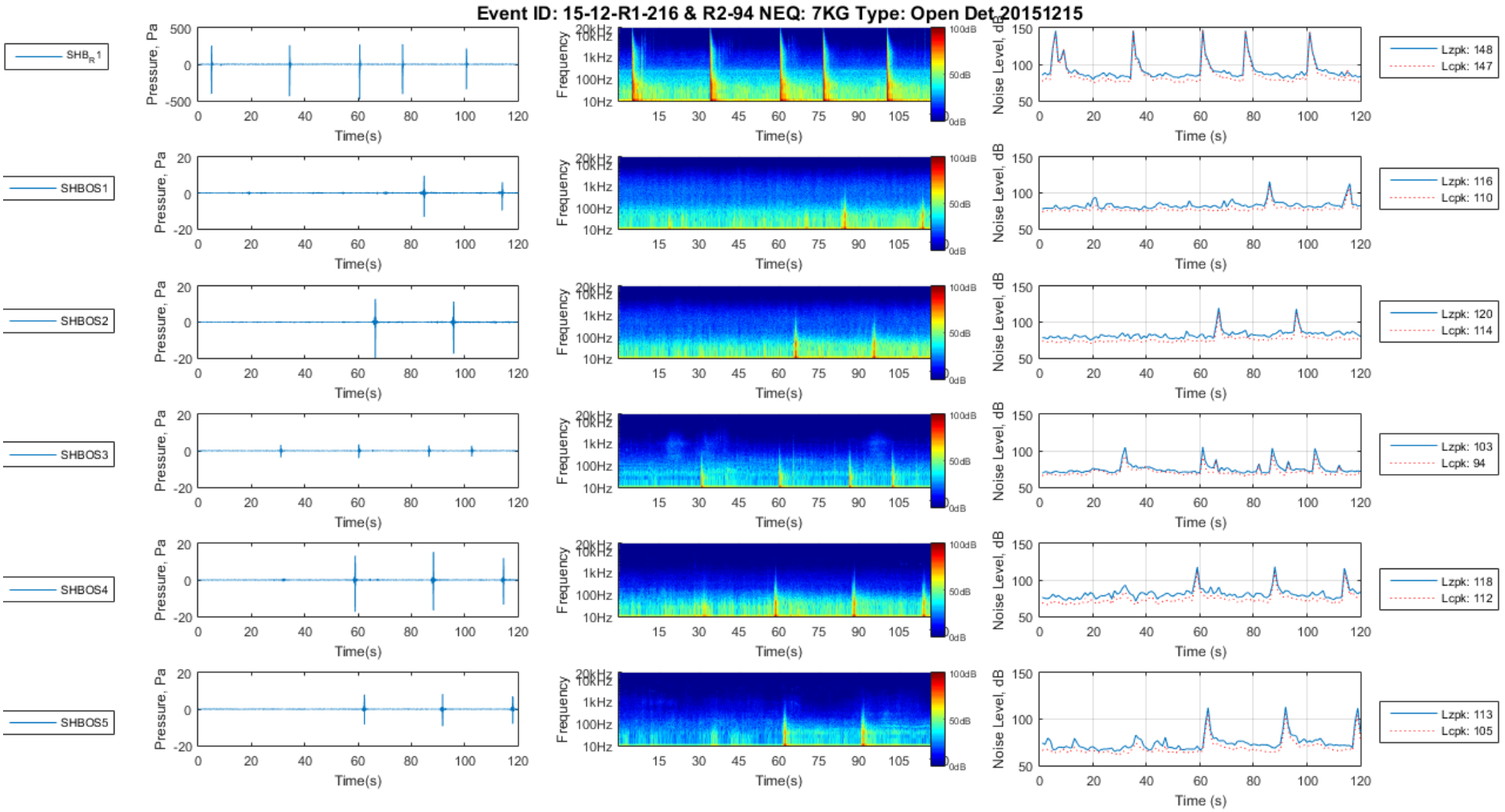


FIGURE 2.2066: SHB_OS 1 - 5 15-12-R1-216 & R2-94

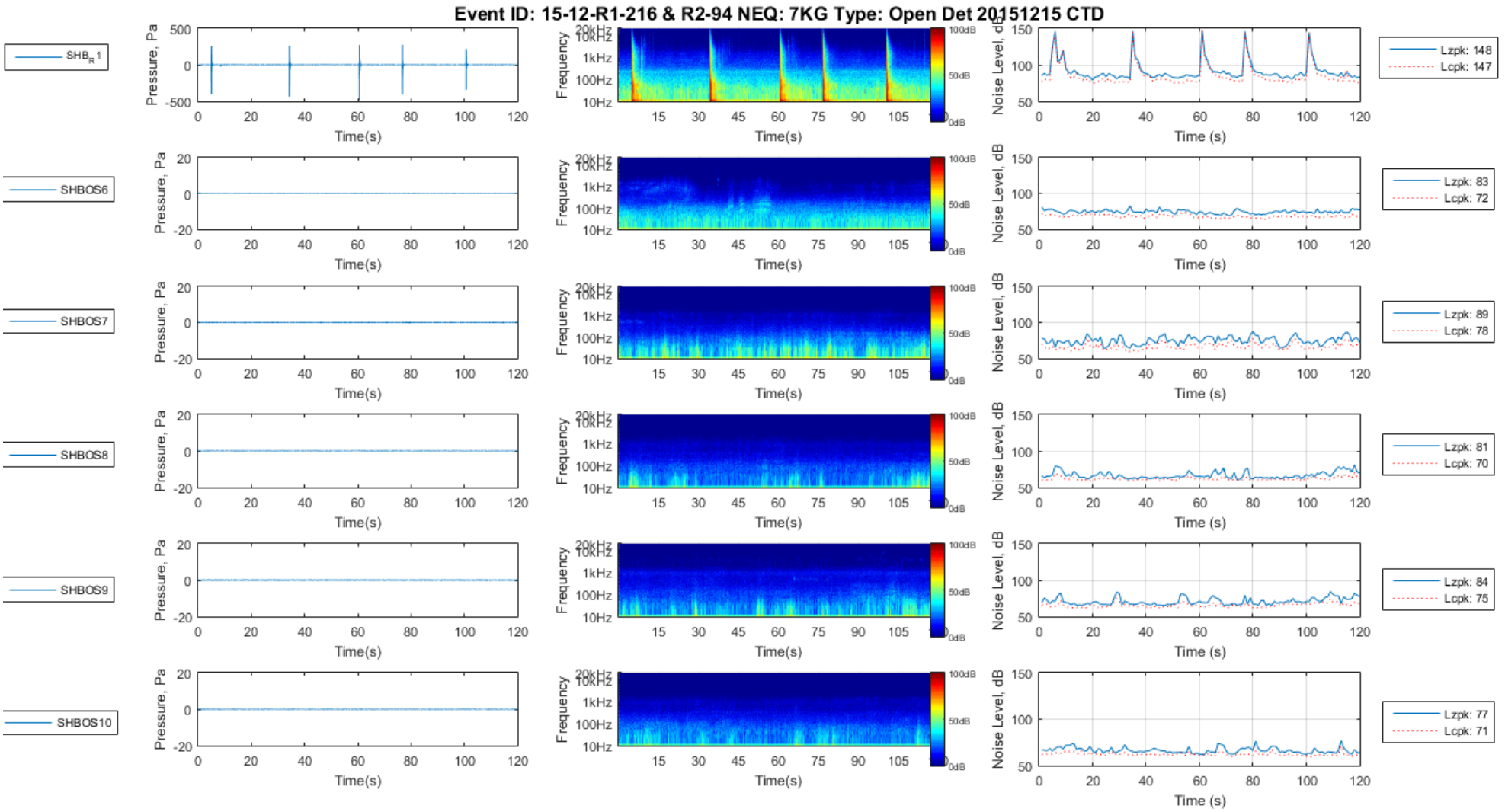


FIGURE 2.2067: SHB_OS 6 - 10 15-12-R1-216 & R2-94

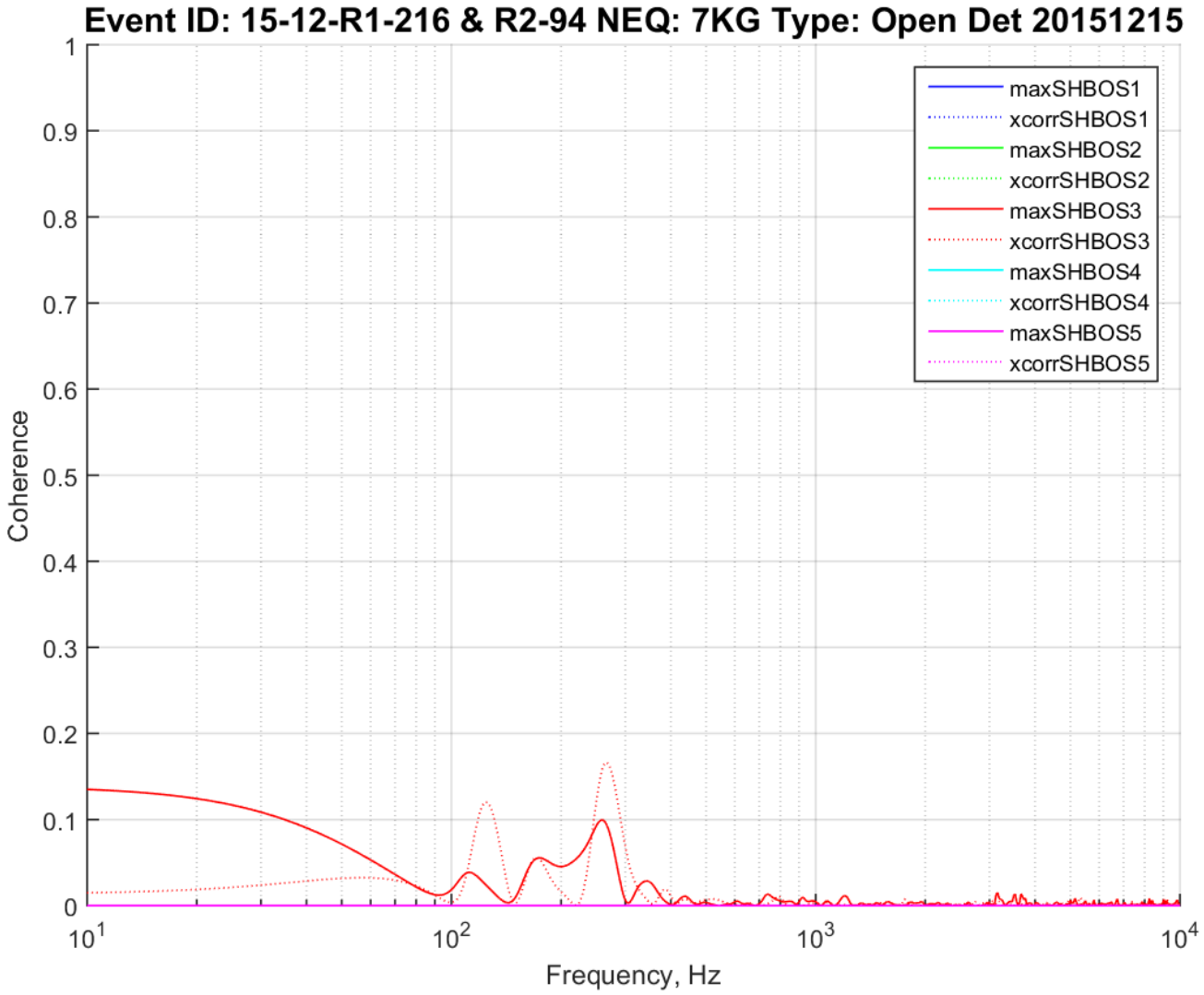


FIGURE 2.2068: COHERENCE SHB_OS 1 - 5 15-12-R1-216 & R2-94

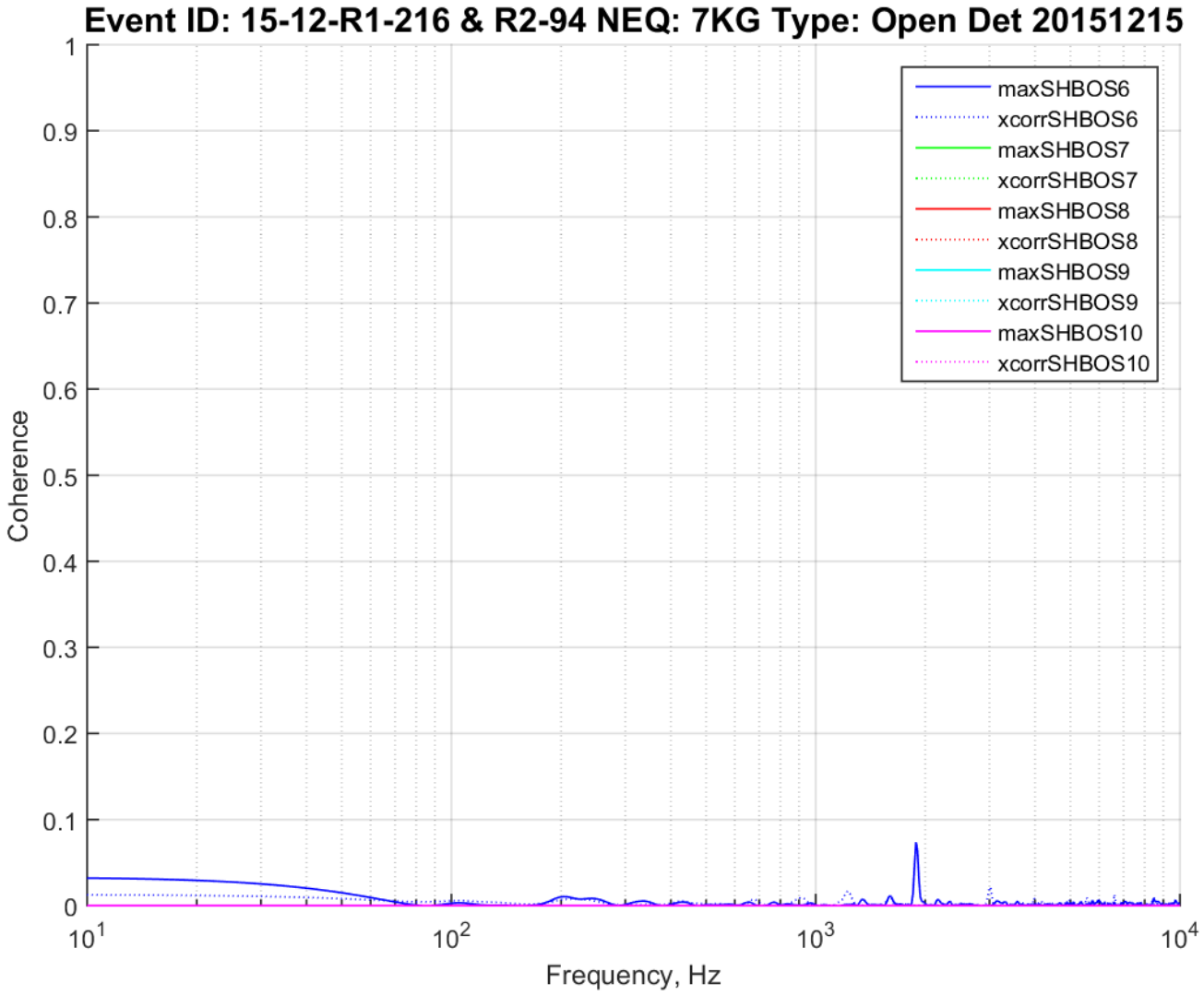


FIGURE 2.2069: COHERENCE SHB_OS 6 - 10 15-12-R1-216 & R2-94CTD

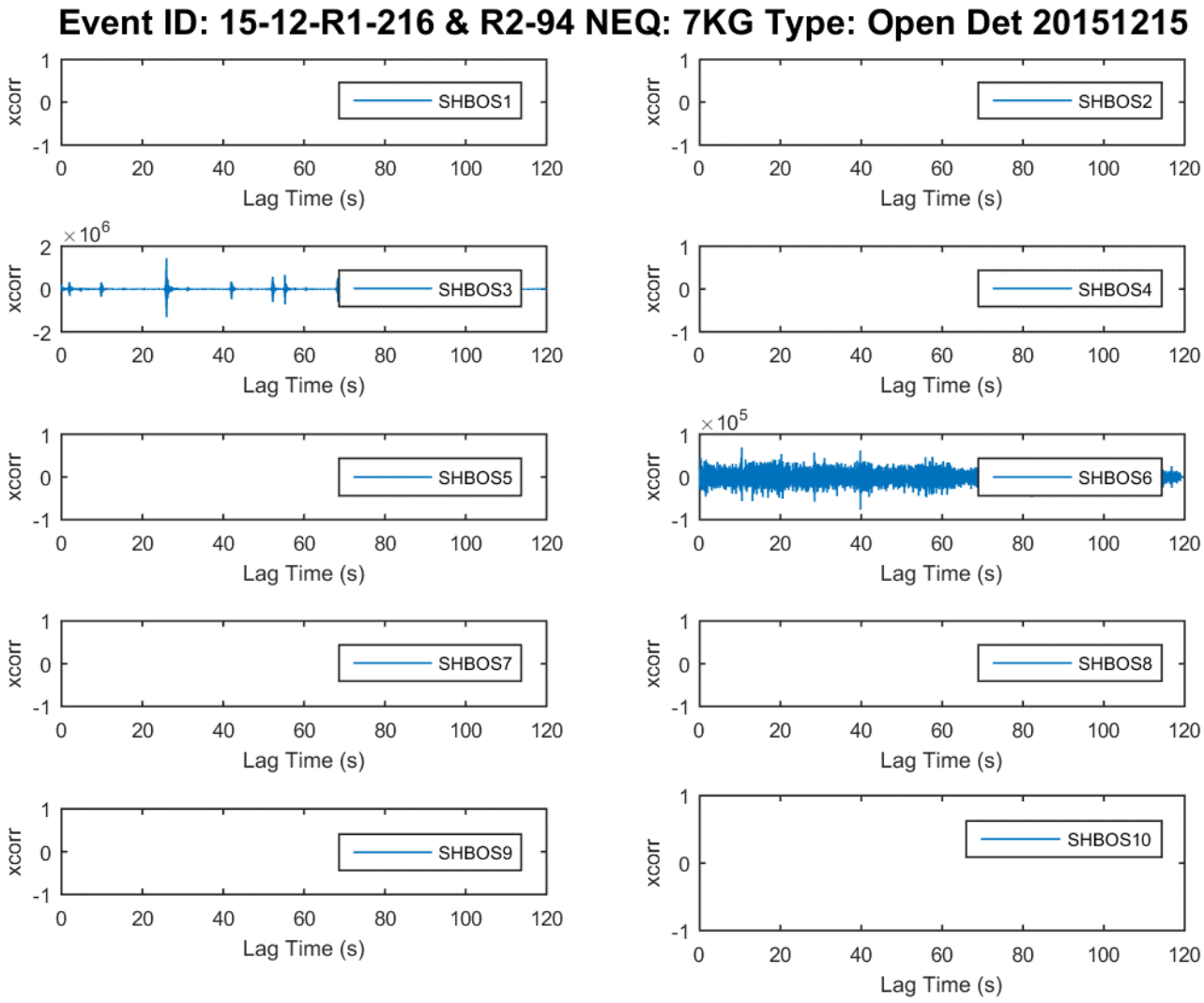


FIGURE 2.2070: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-216 & R2-94

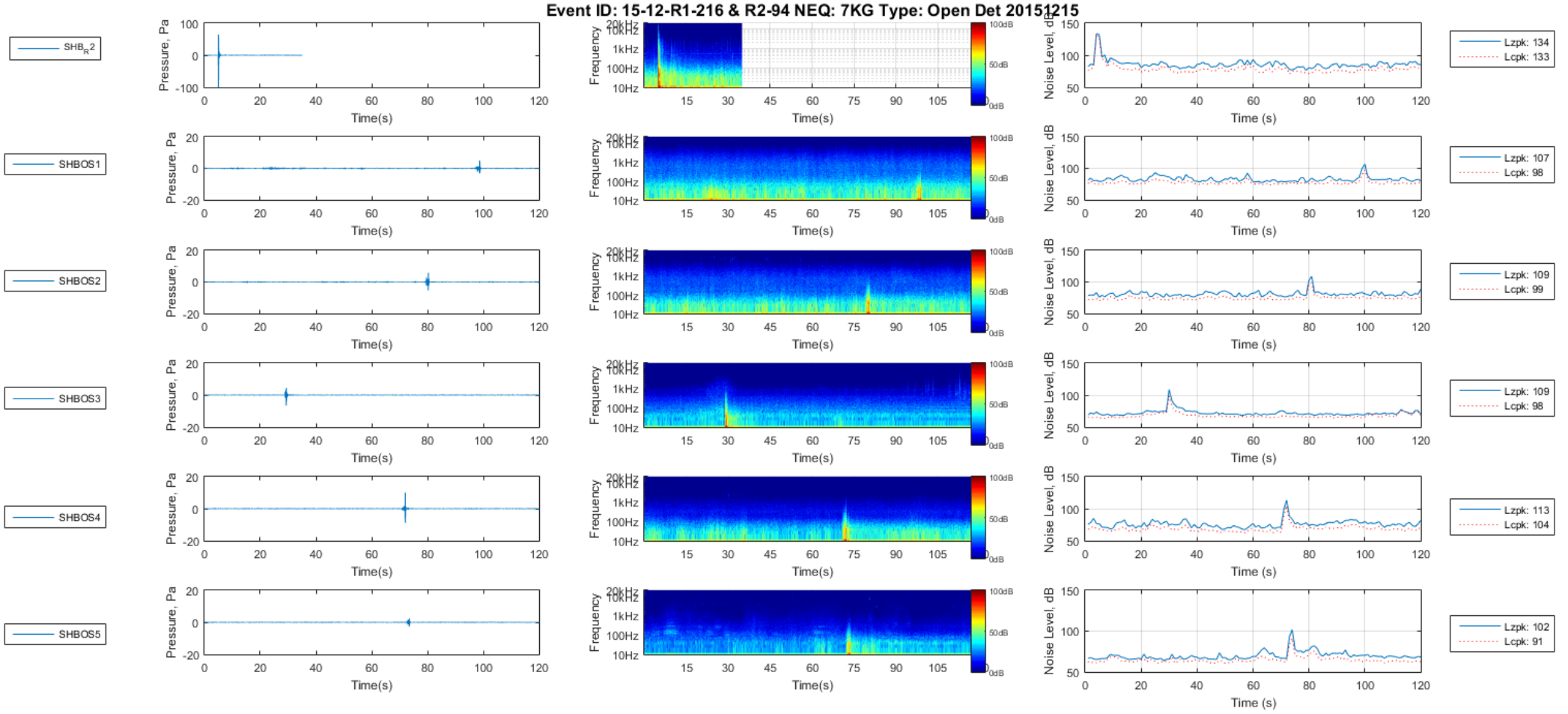


FIGURE 2.2071: SHB_OS 1 - 5 15-12-R1-216 & R2-94

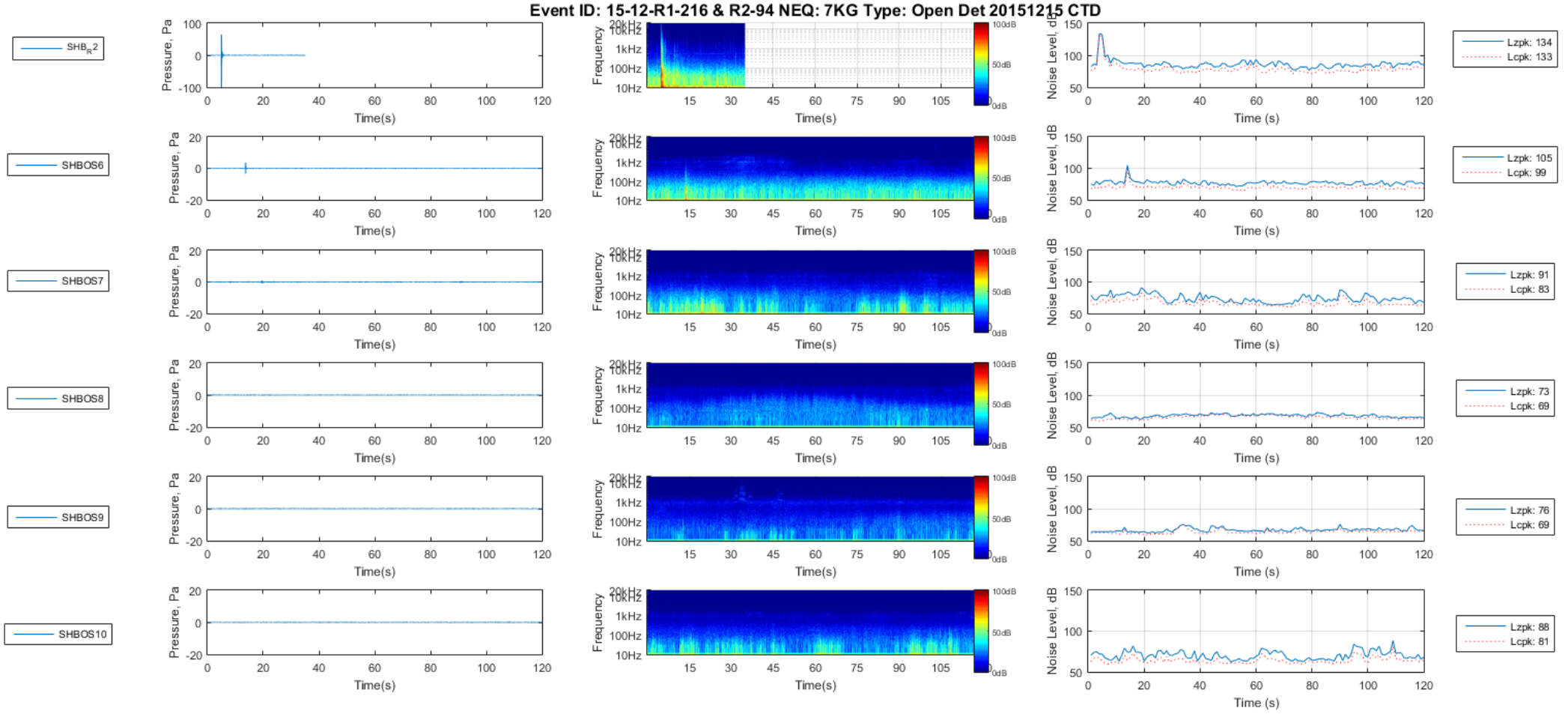


FIGURE 2.2072: SHB_OS 6 - 10 15-12-R1-216 & R2-94

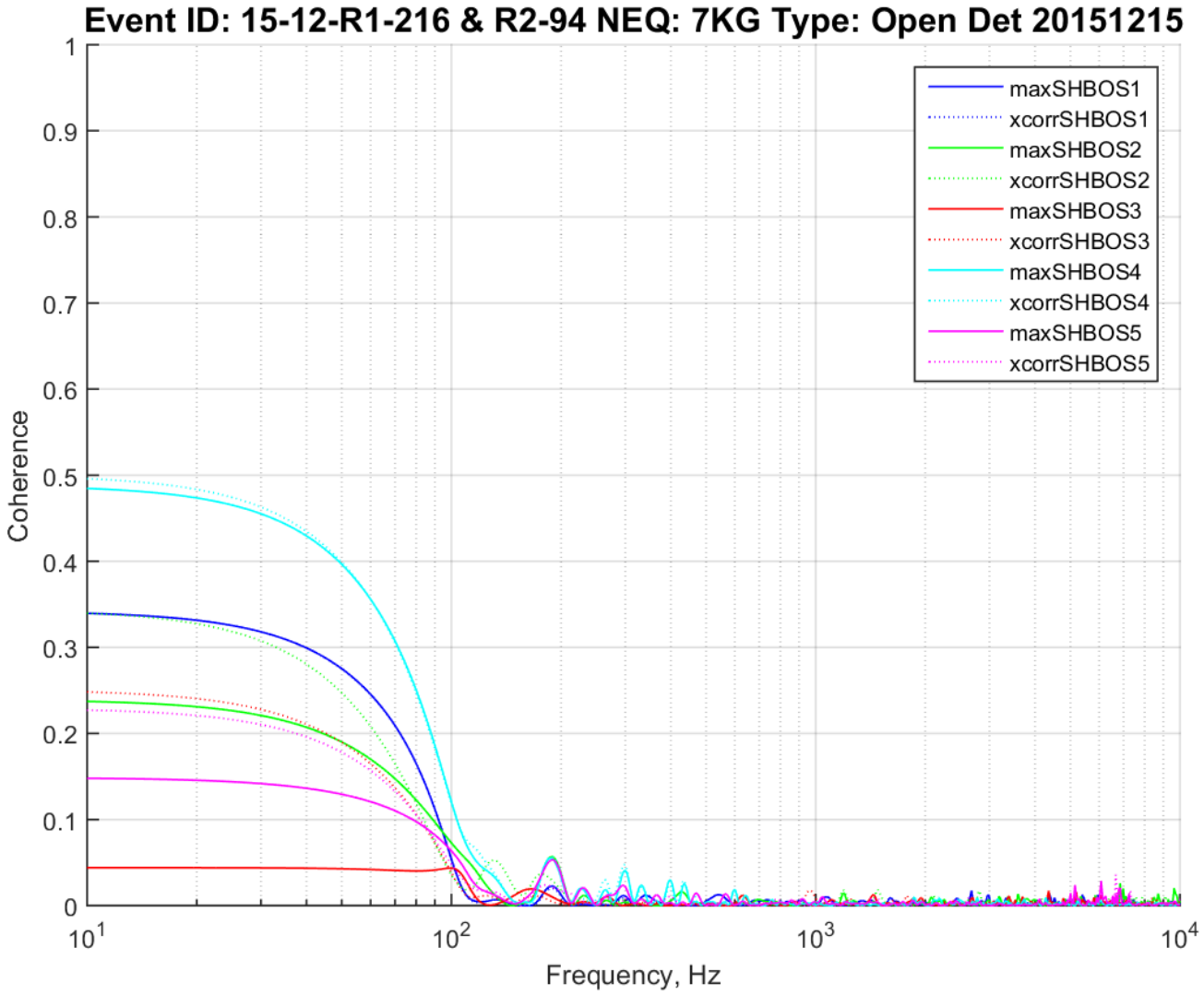


FIGURE 2.2073: COHERENCE SHB_OS 1 - 5 15-12-R1-216 & R2-94

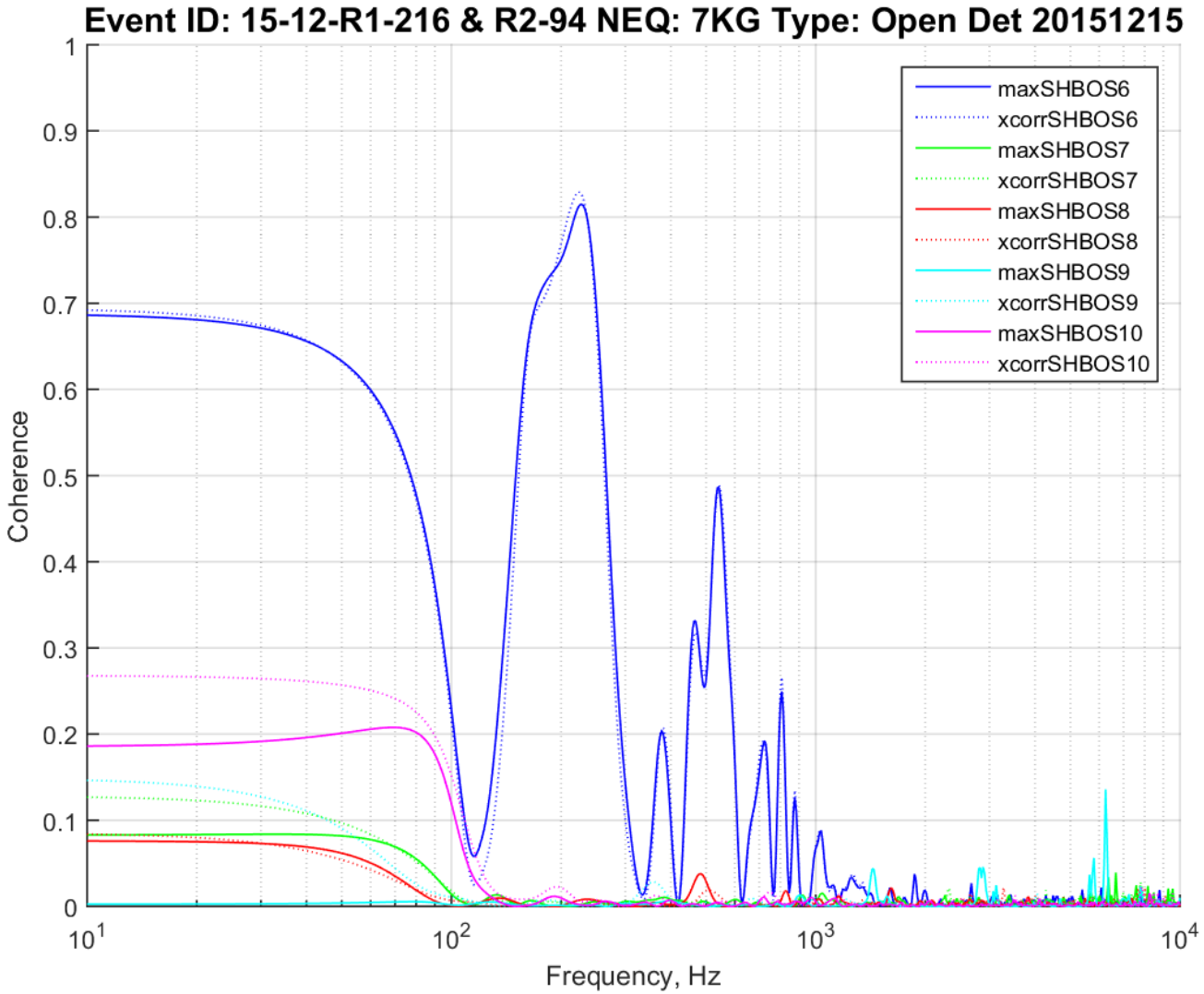


FIGURE 2.2074: COHERENCE SHB_OS 6 - 10 15-12-R1-216 & R2-94CTD

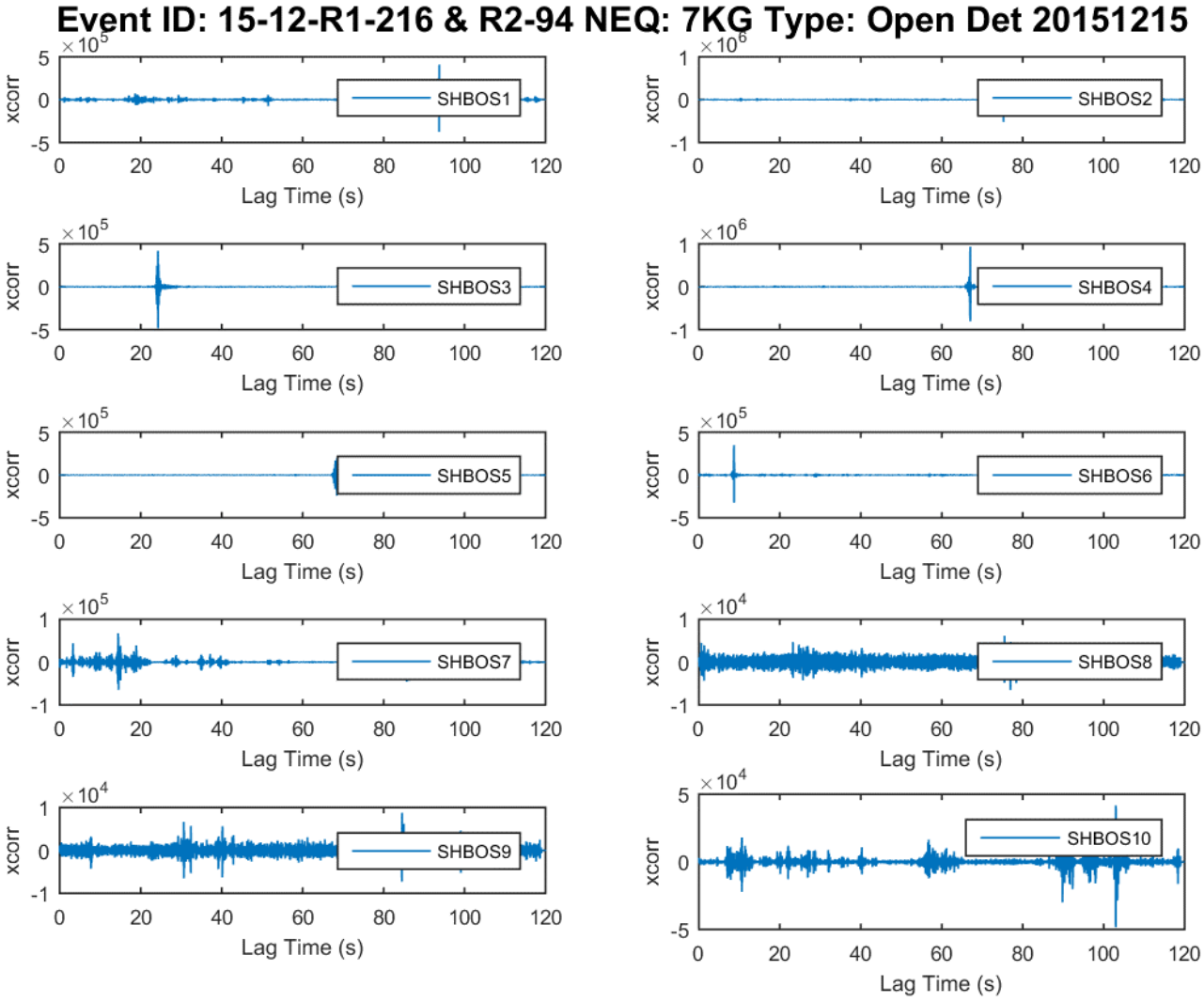


FIGURE 2.2075: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-216 & R2-94

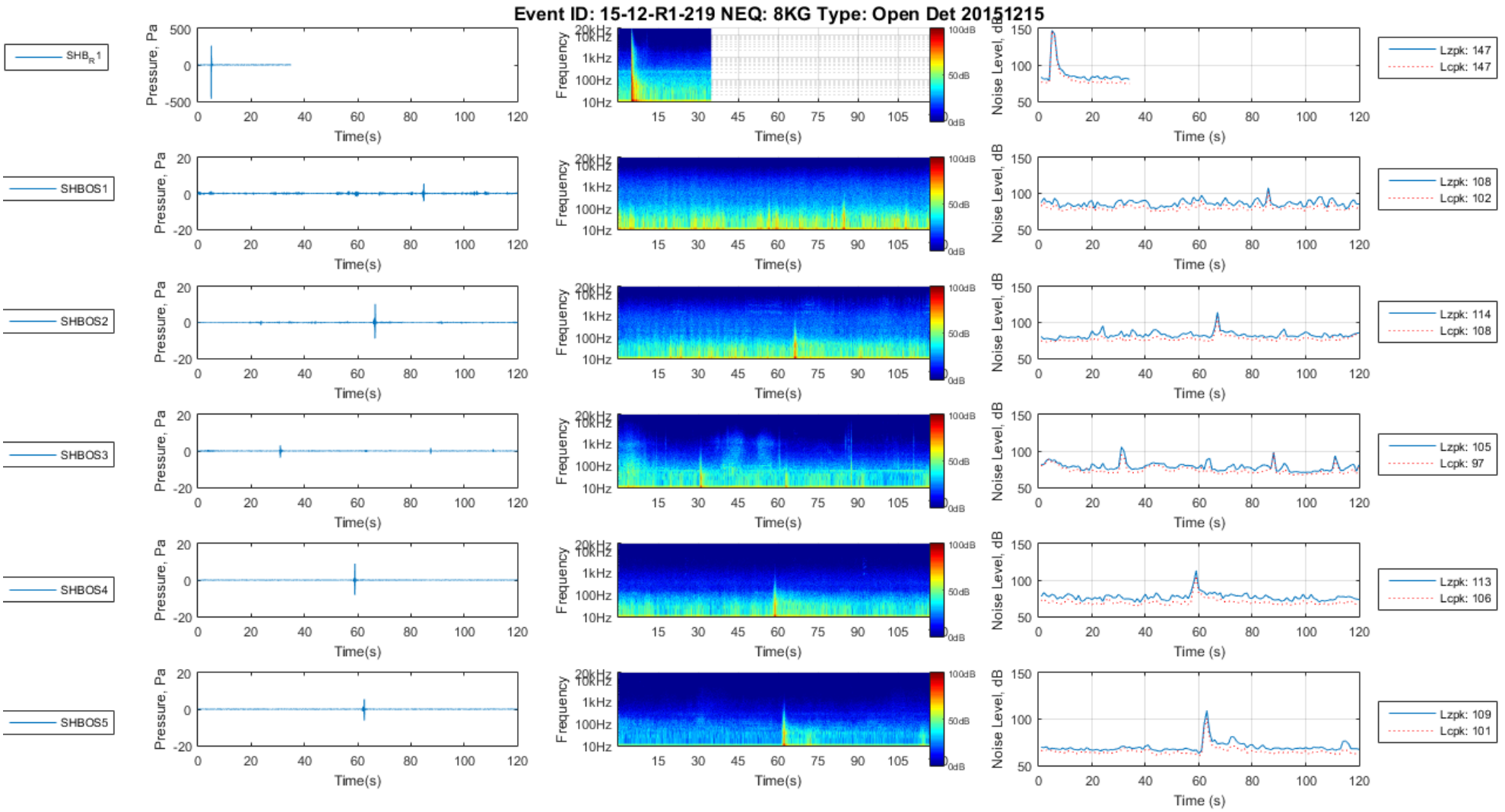


FIGURE 2.2076: SHB_OS 1 - 5 15-12-R1-219

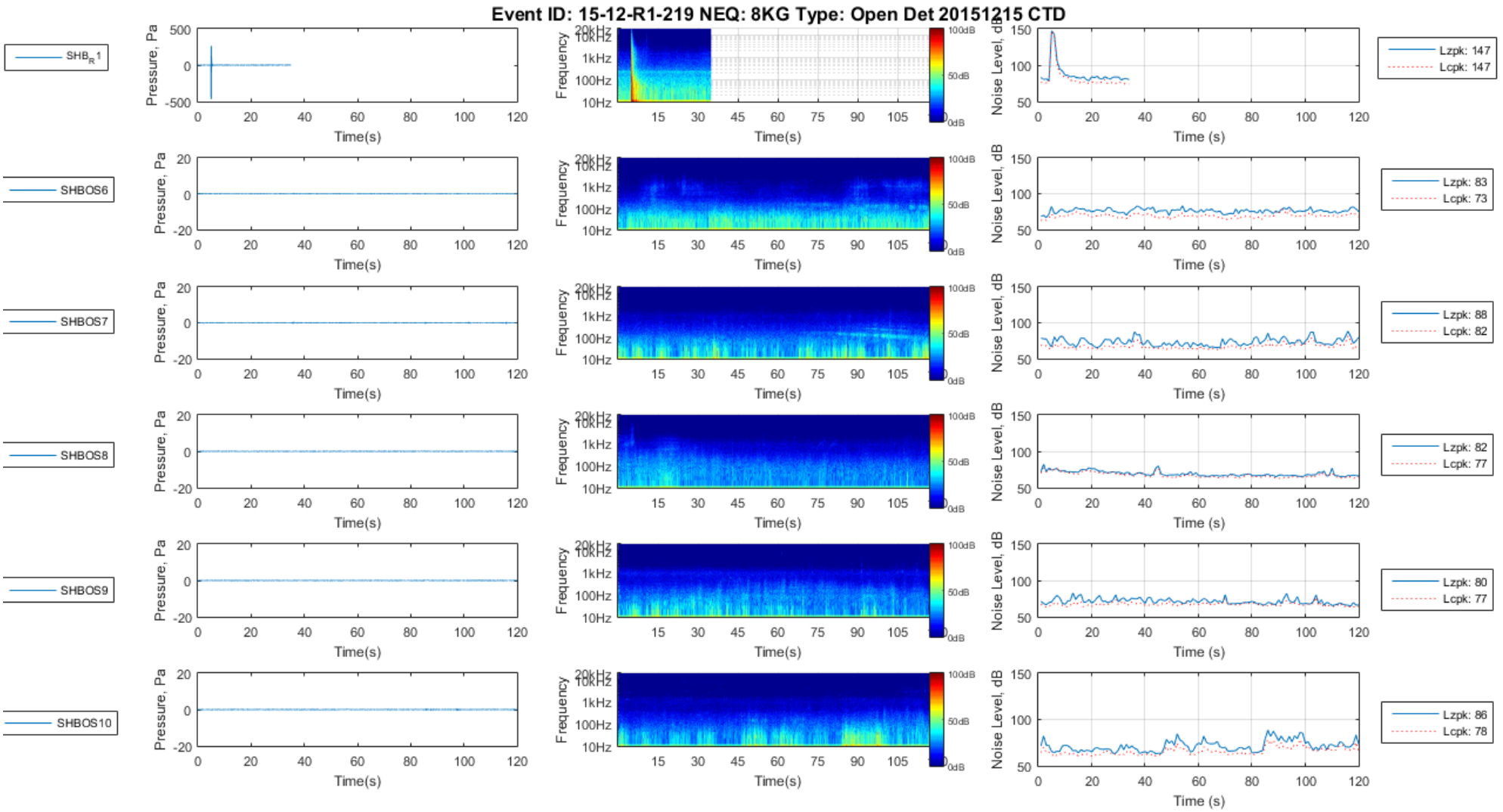


FIGURE 2.2077: SHB_OS 6 - 10 15-12-R1-219

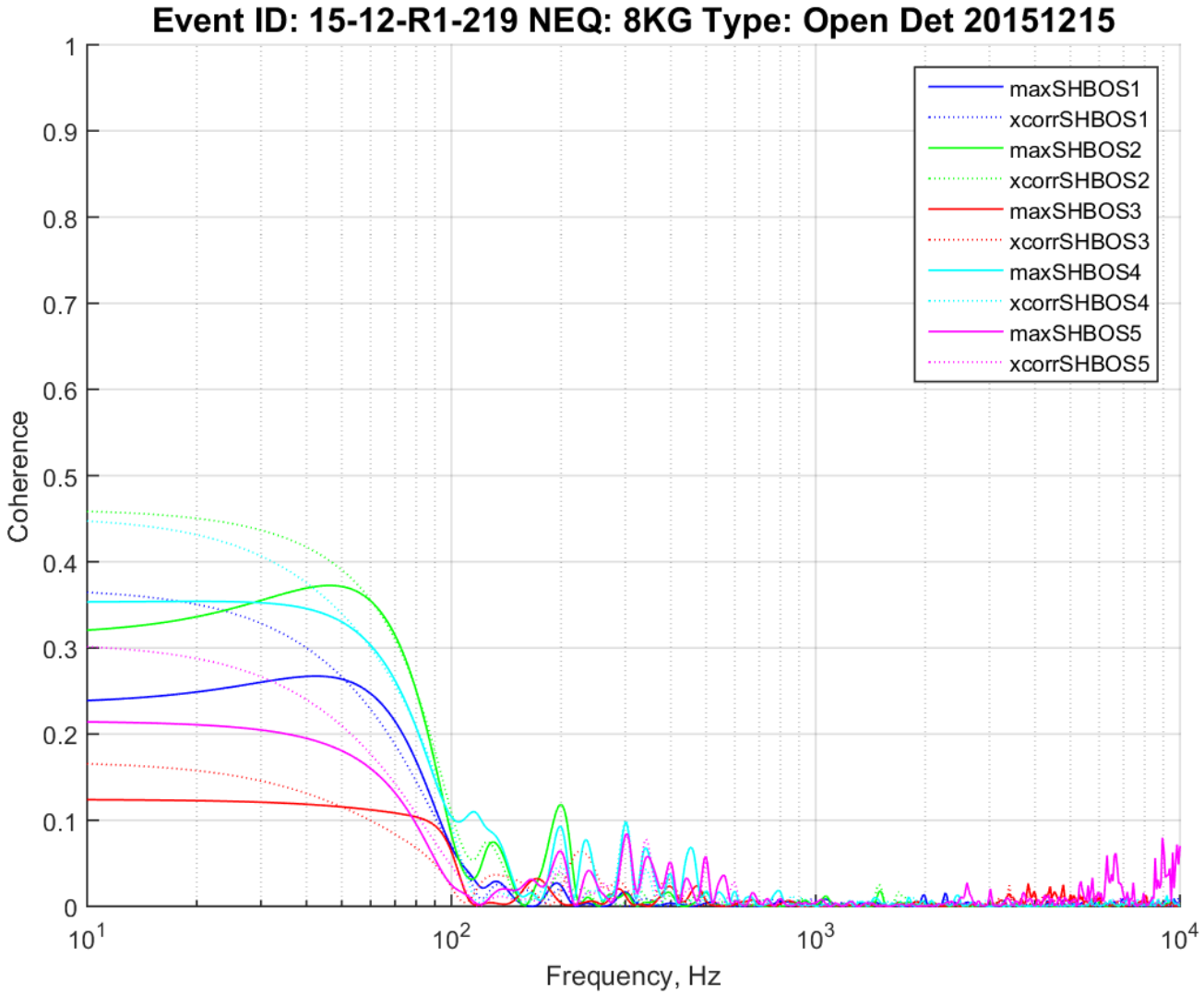


FIGURE 2.2078: COHERENCE SHB_OS 1 - 5 15-12-R1-219

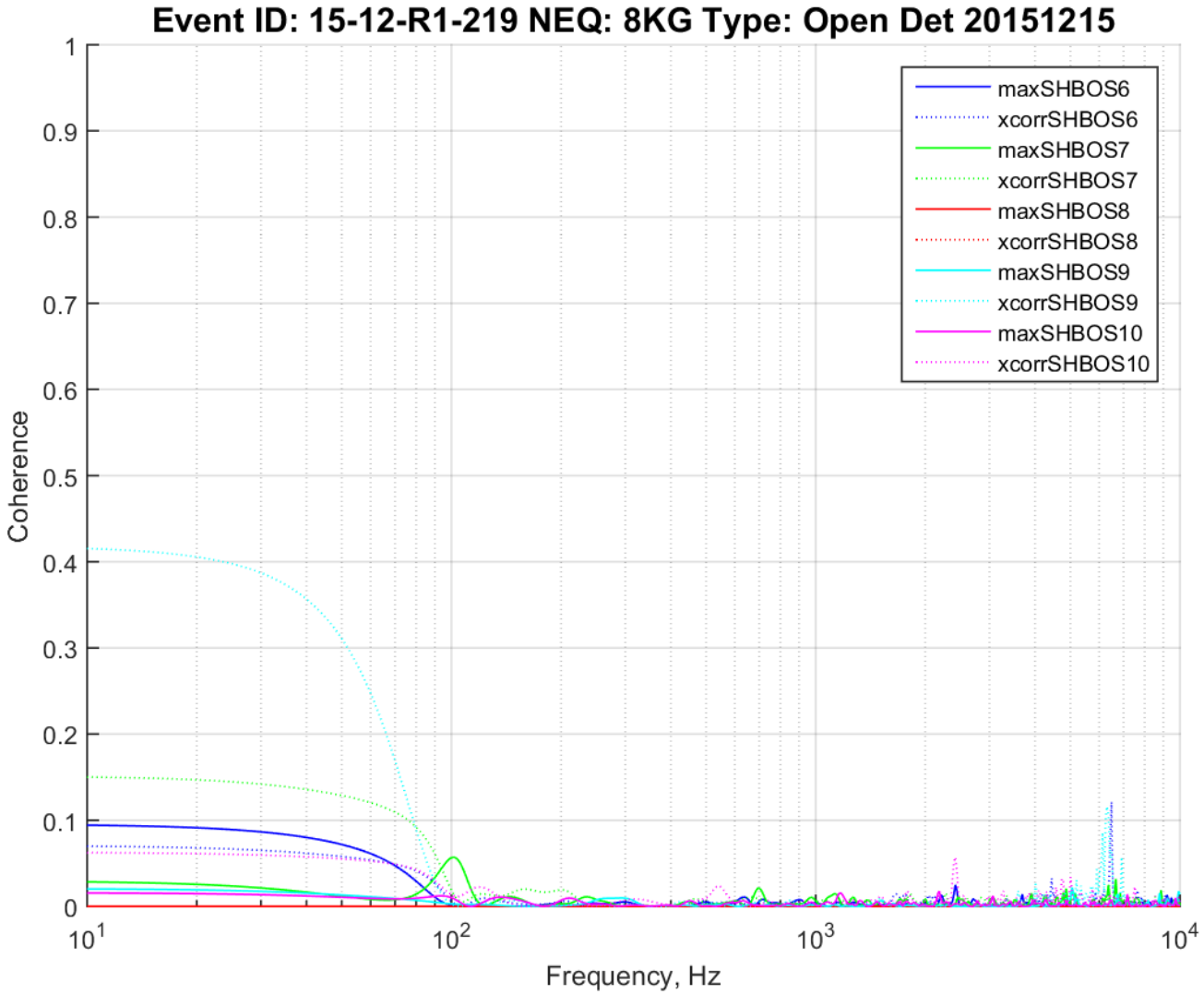


FIGURE 2.2079: COHERENCE SHB_OS 6 - 10 15-12-R1-219CTD

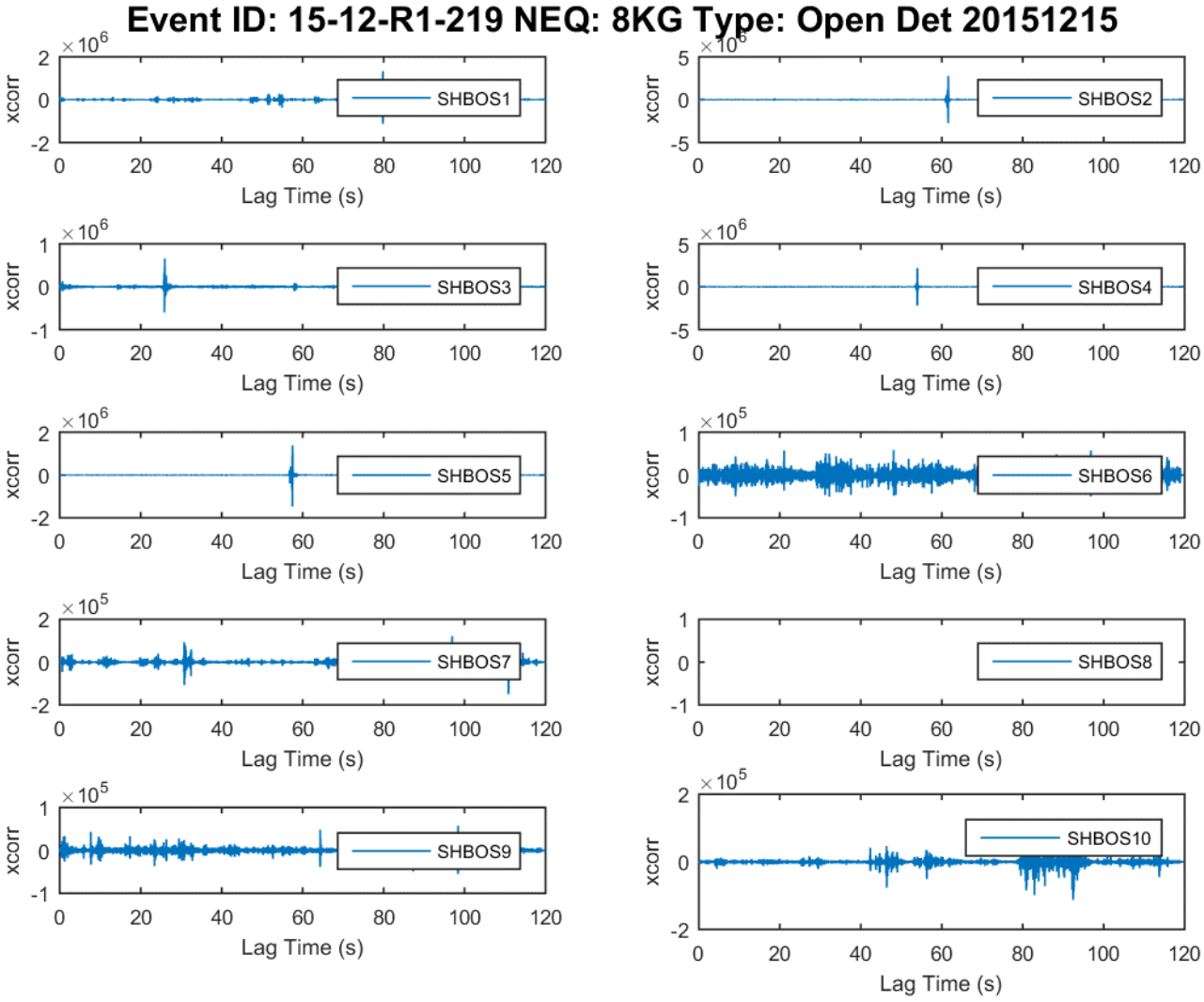


FIGURE 2.2080: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-219

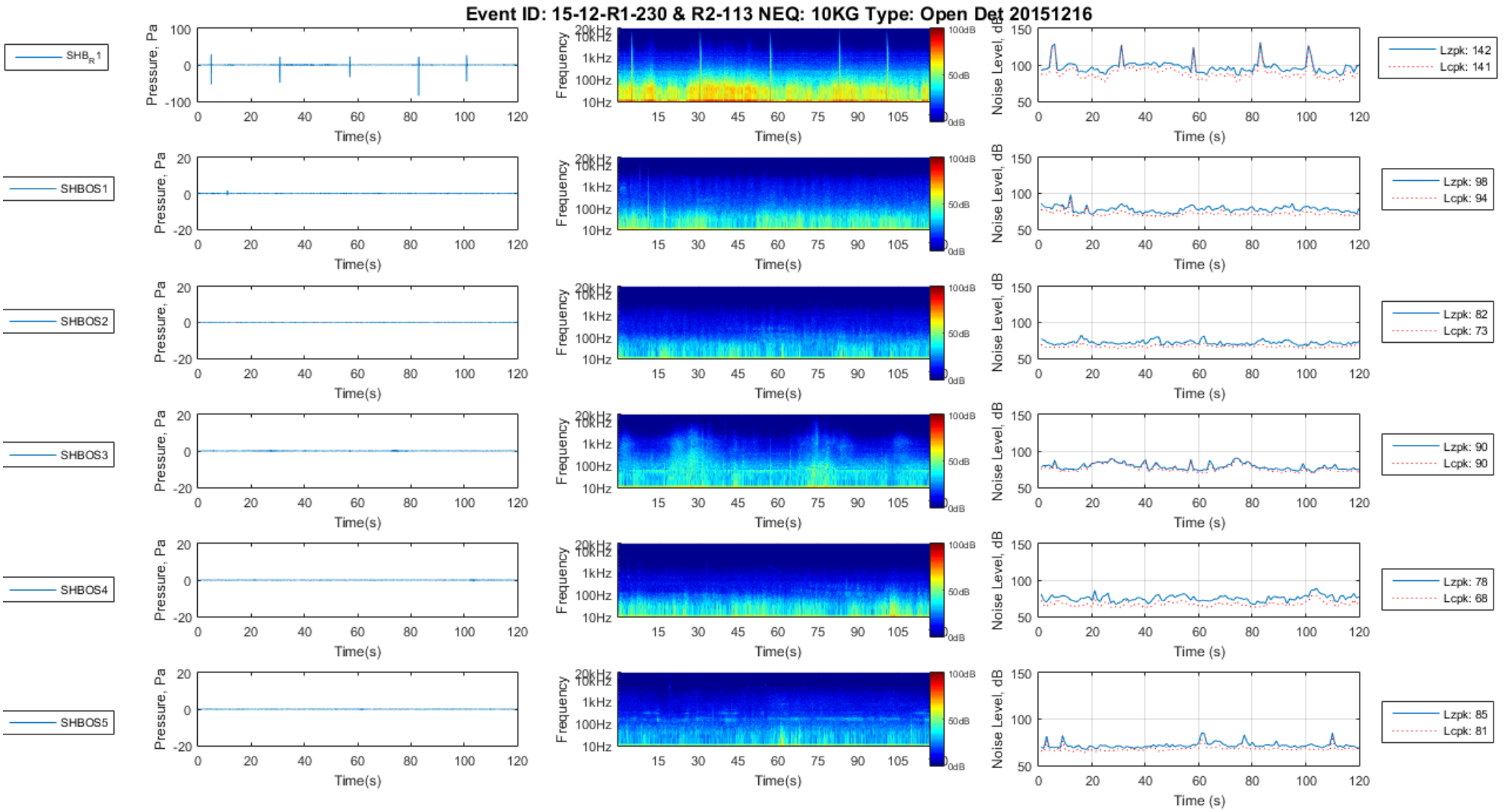


FIGURE 2.2081: SHB_OS 1 - 5 15-12-R1-230 & R2-113

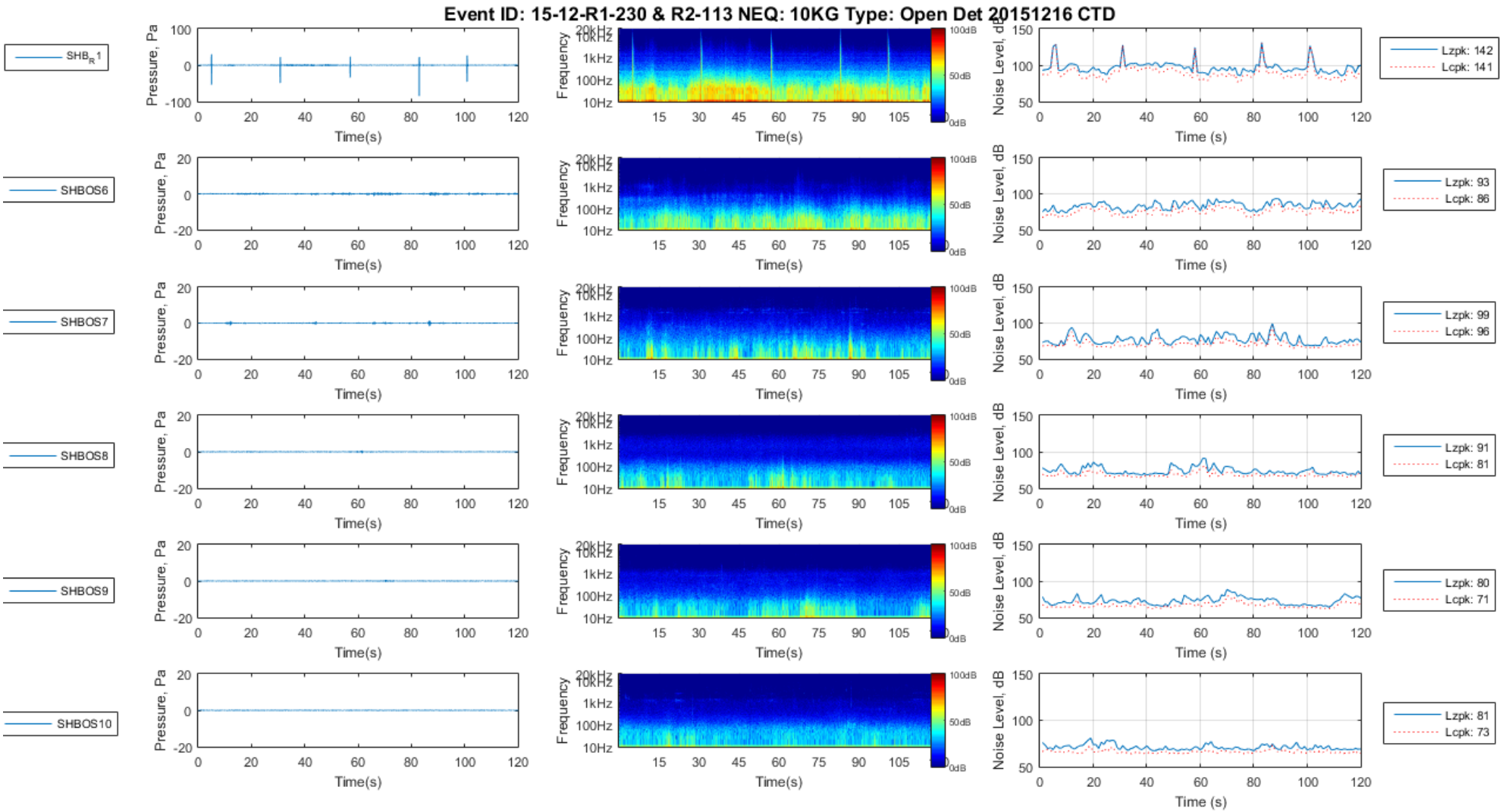


FIGURE 2.2082: SHB_OS 6 - 10 15-12-R1-230 & R2-113

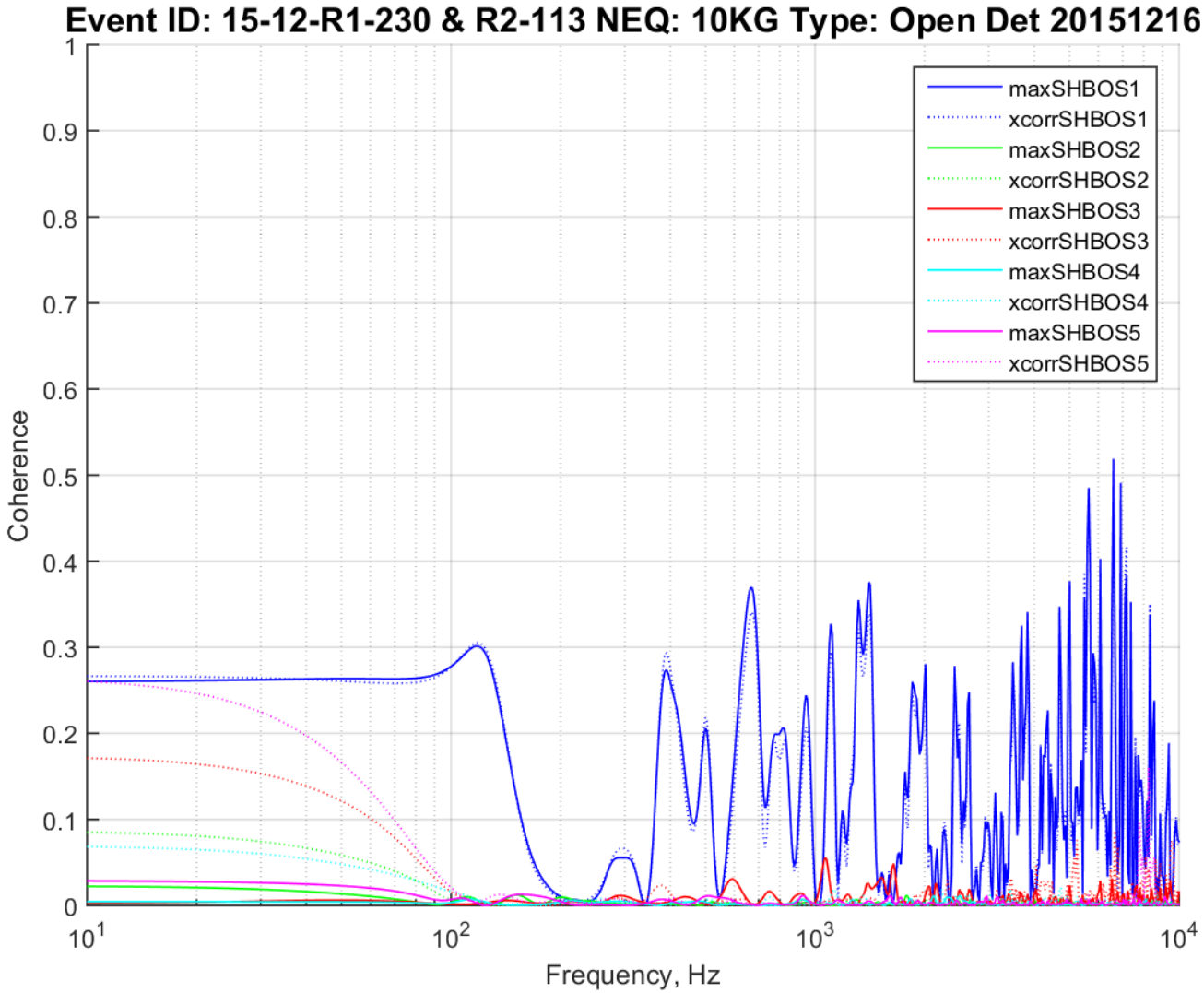


FIGURE 2.2083: COHERENCE SHB_OS 1 - 5 15-12-R1-230 & R2-113

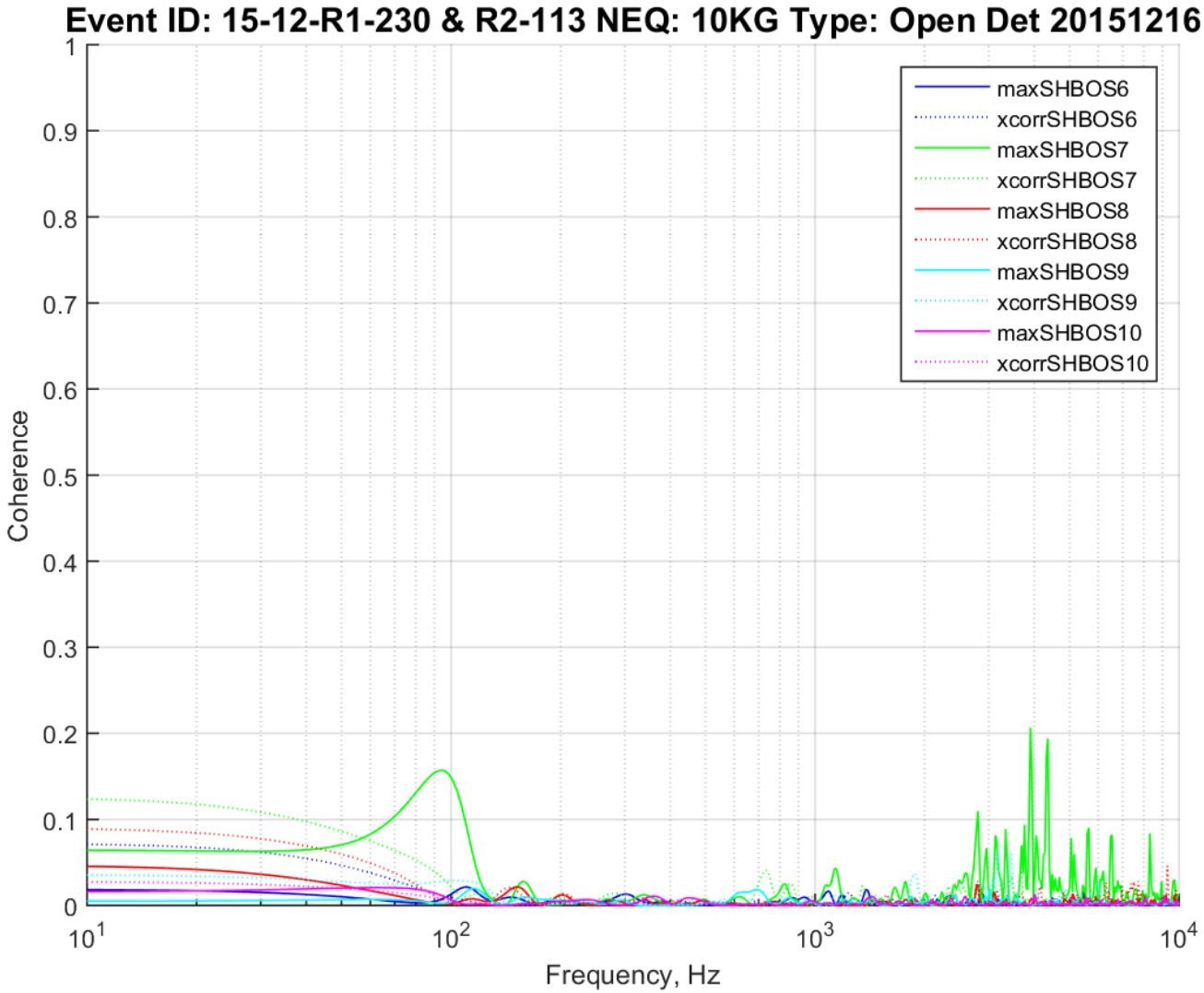


FIGURE 2.2084: COHERENCE SHB_OS 6 - 10 15-12-R1-230 & R2-113CTD

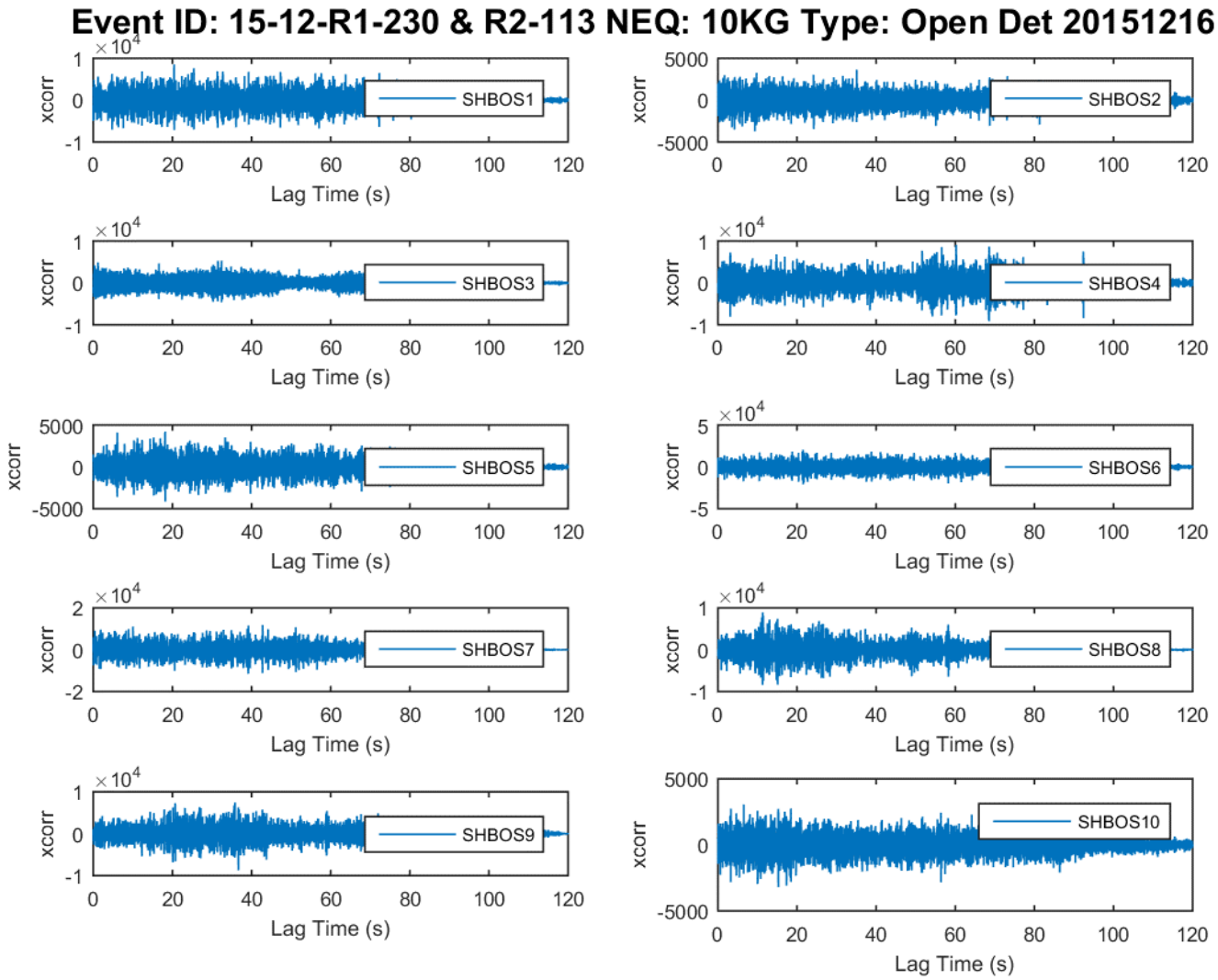


FIGURE 2.2085: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-230 & R2-113

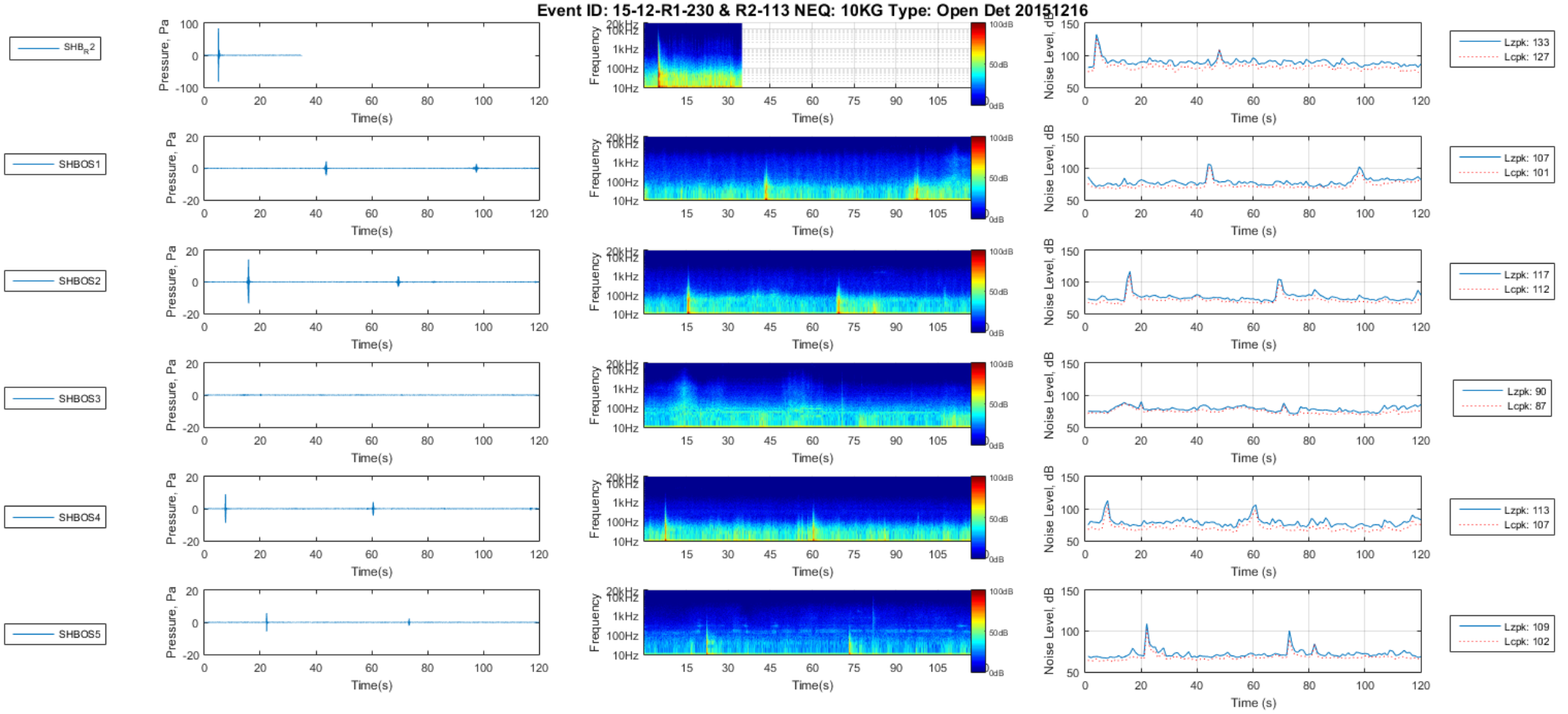


FIGURE 2.2086: SHB_OS 1 - 5 15-12-R1-230 & R2-113

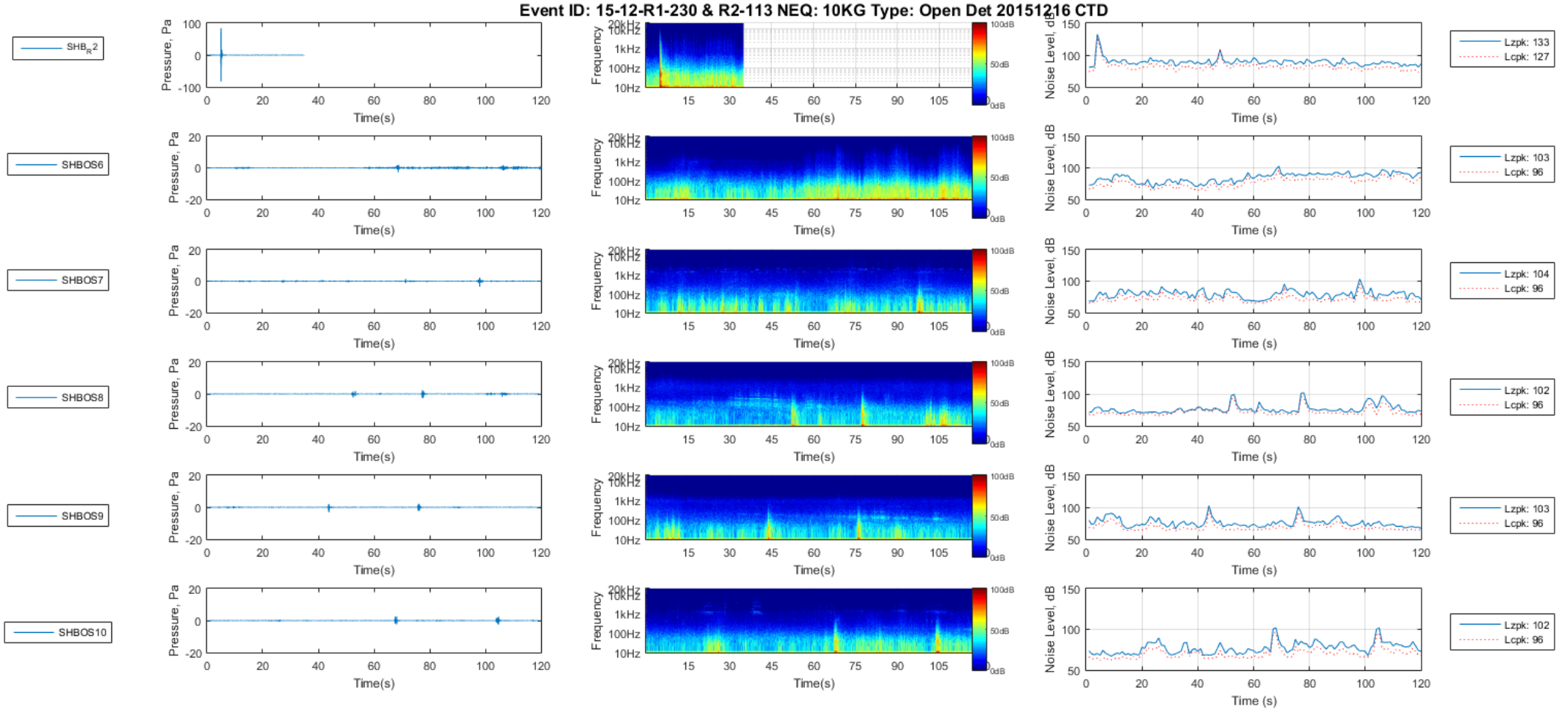


FIGURE 2.2087: SHB_OS 6 - 10 15-12-R1-230 & R2-113

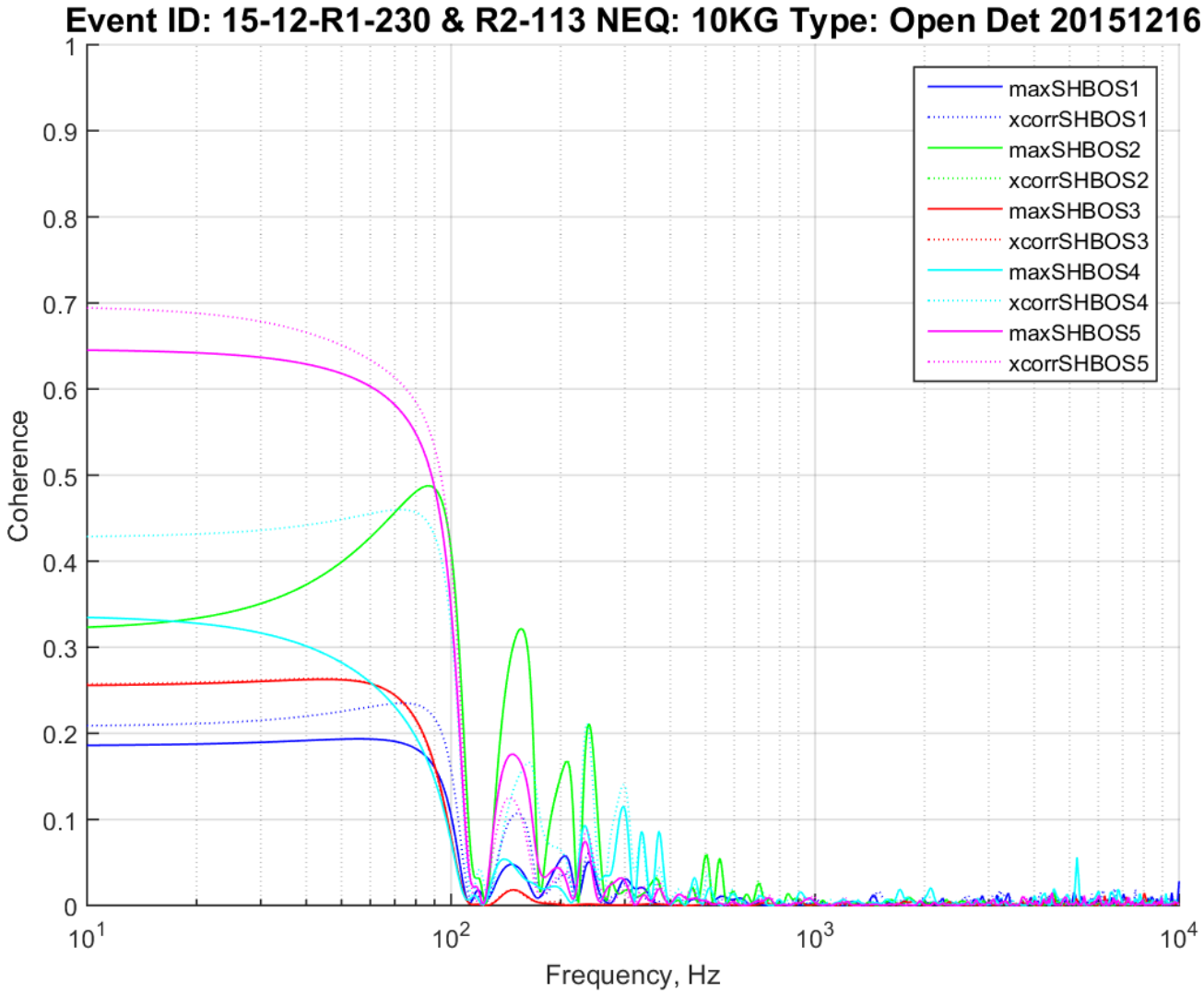


FIGURE 2.2088: COHERENCE SHB_OS 1 - 5 15-12-R1-230 & R2-113

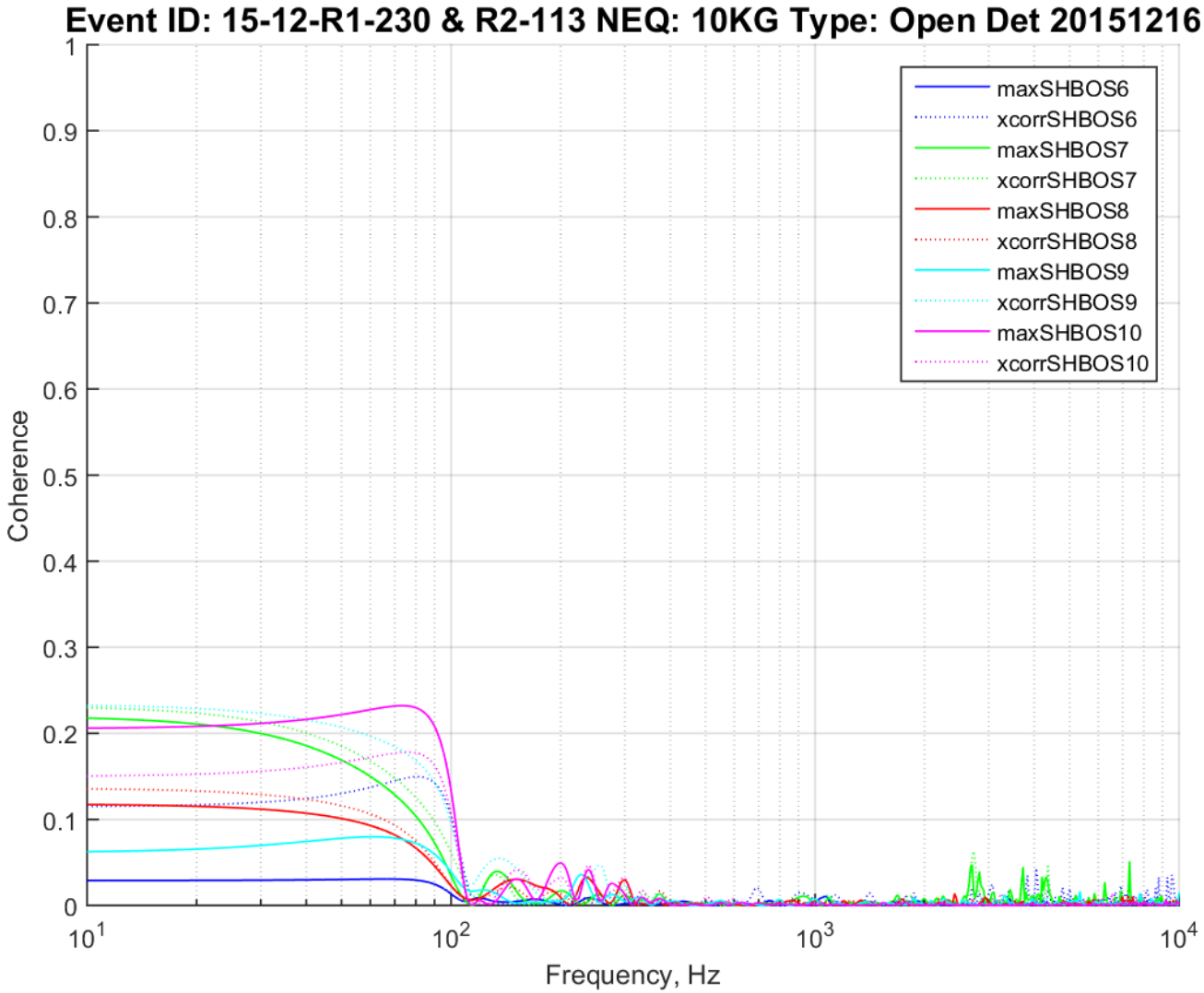


FIGURE 2.2089: COHERENCE SHB_OS 6 - 10 15-12-R1-230 & R2-113CTD

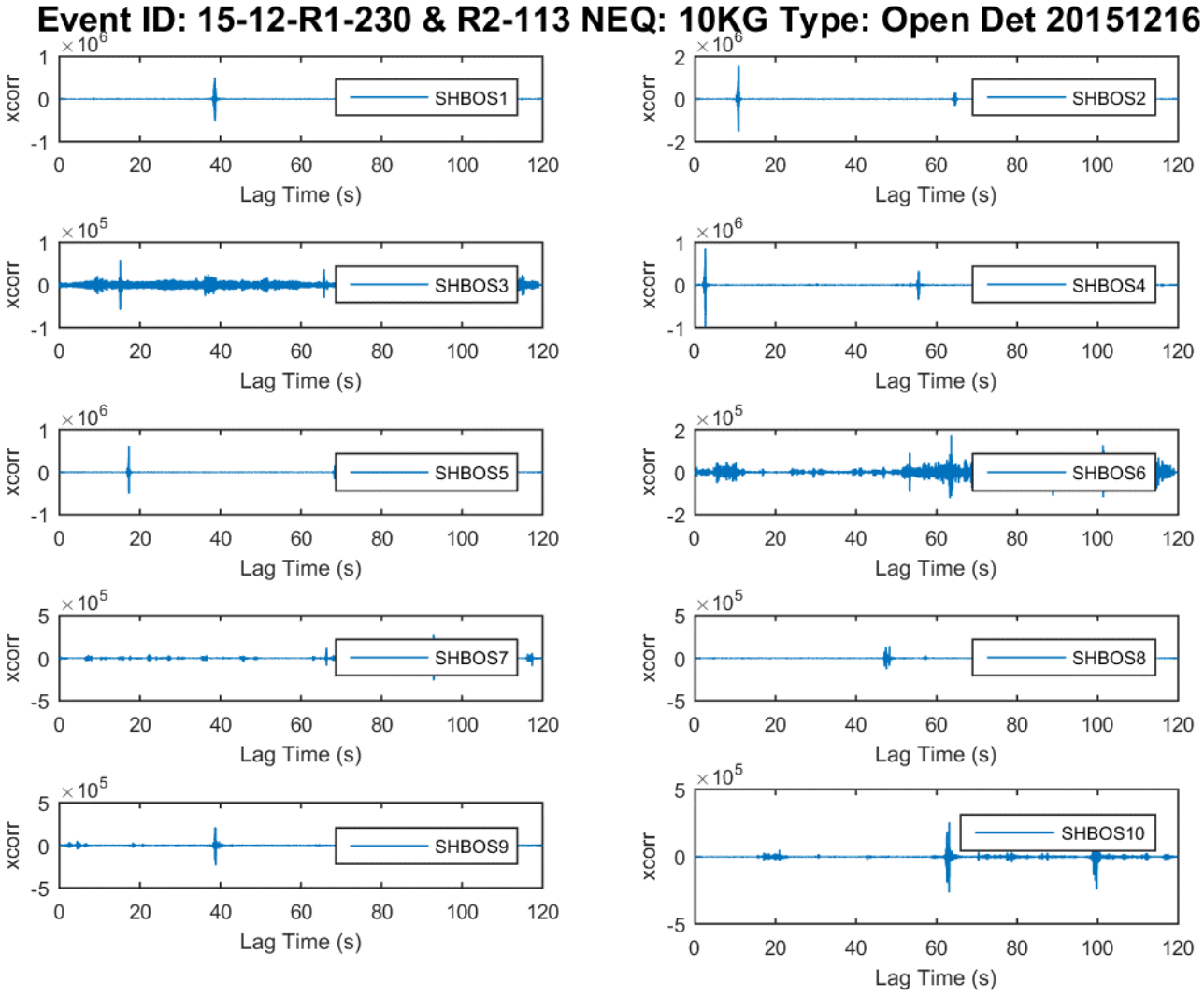


FIGURE 2.2090: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-230 & R2-113

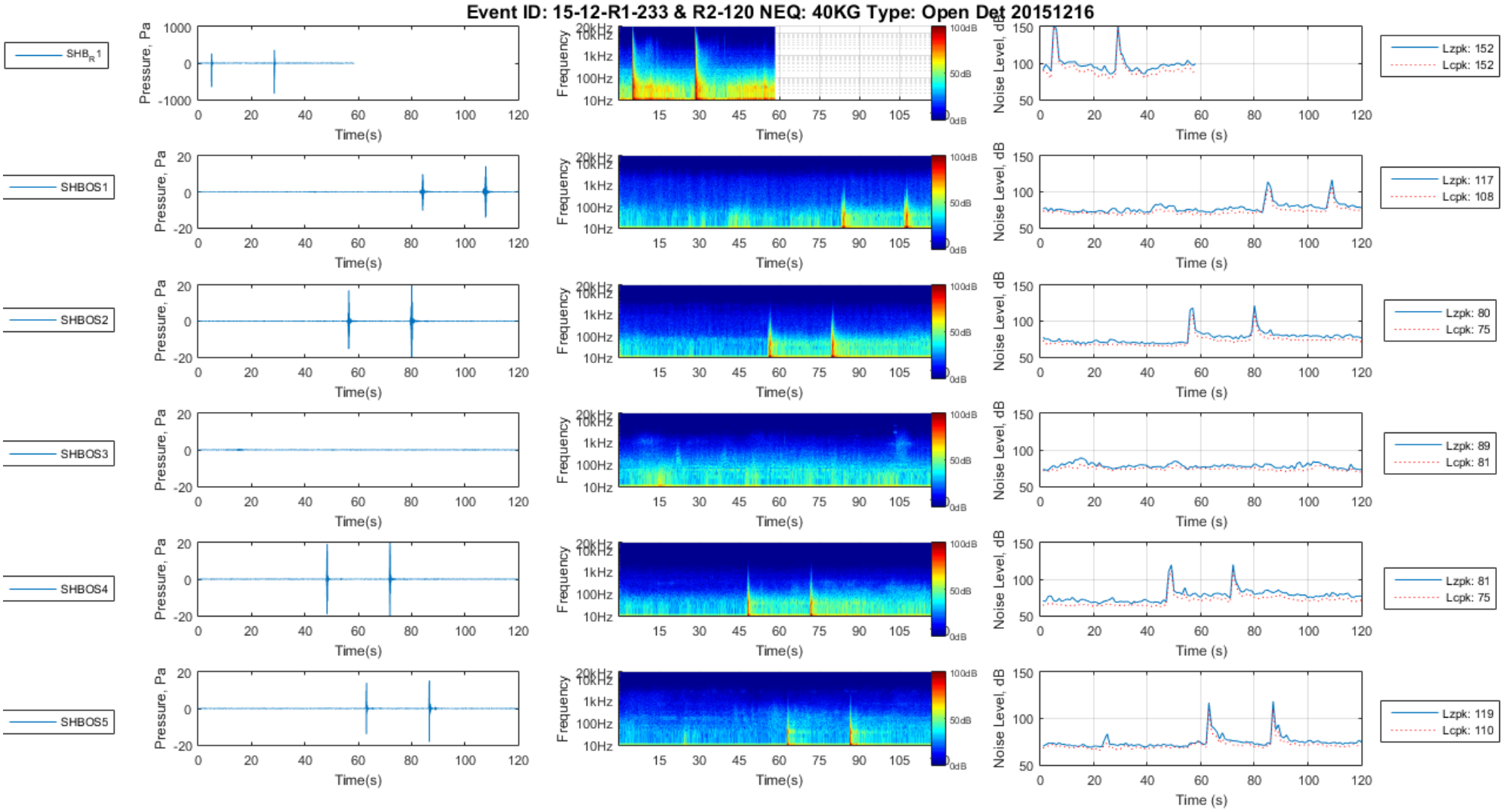


FIGURE 2.2091: SHB_OS 1 - 5 15-12-R1-233 & R2-120

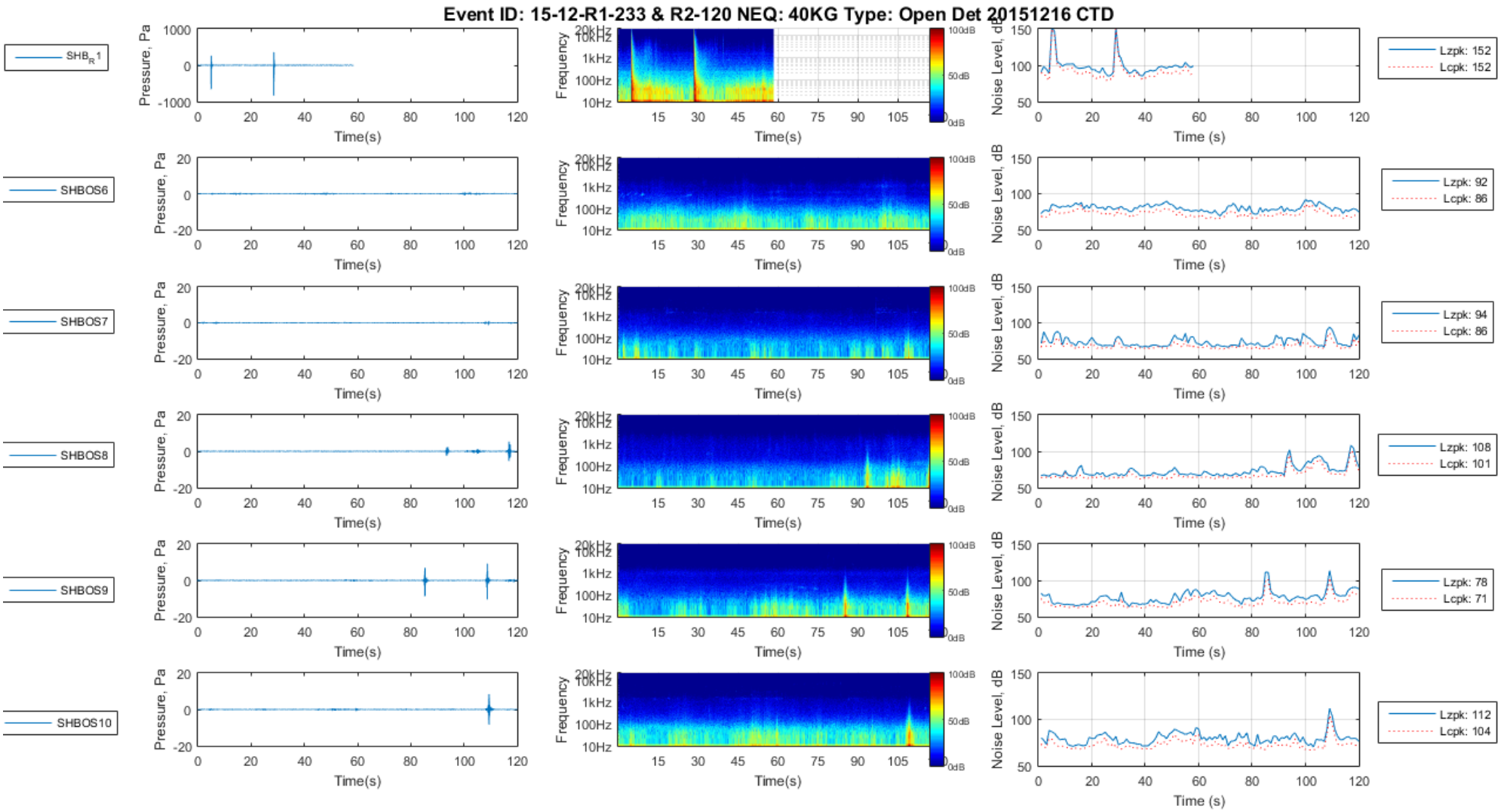


FIGURE 2.2092: SHB_OS 6 - 10 15-12-R1-233 & R2-120

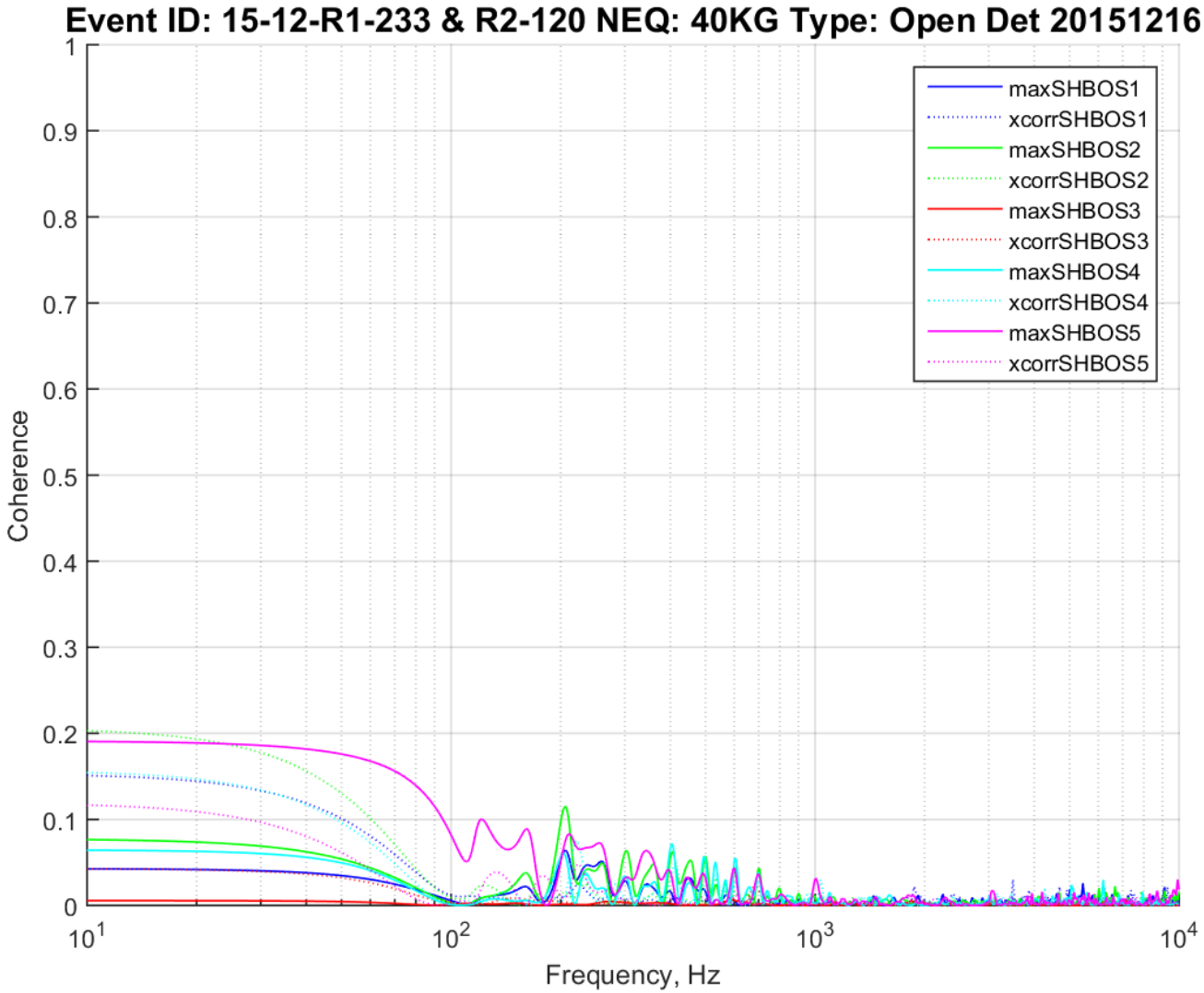


FIGURE 2.2093: COHERENCE SHB_OS 1 - 5 15-12-R1-233 & R2-120

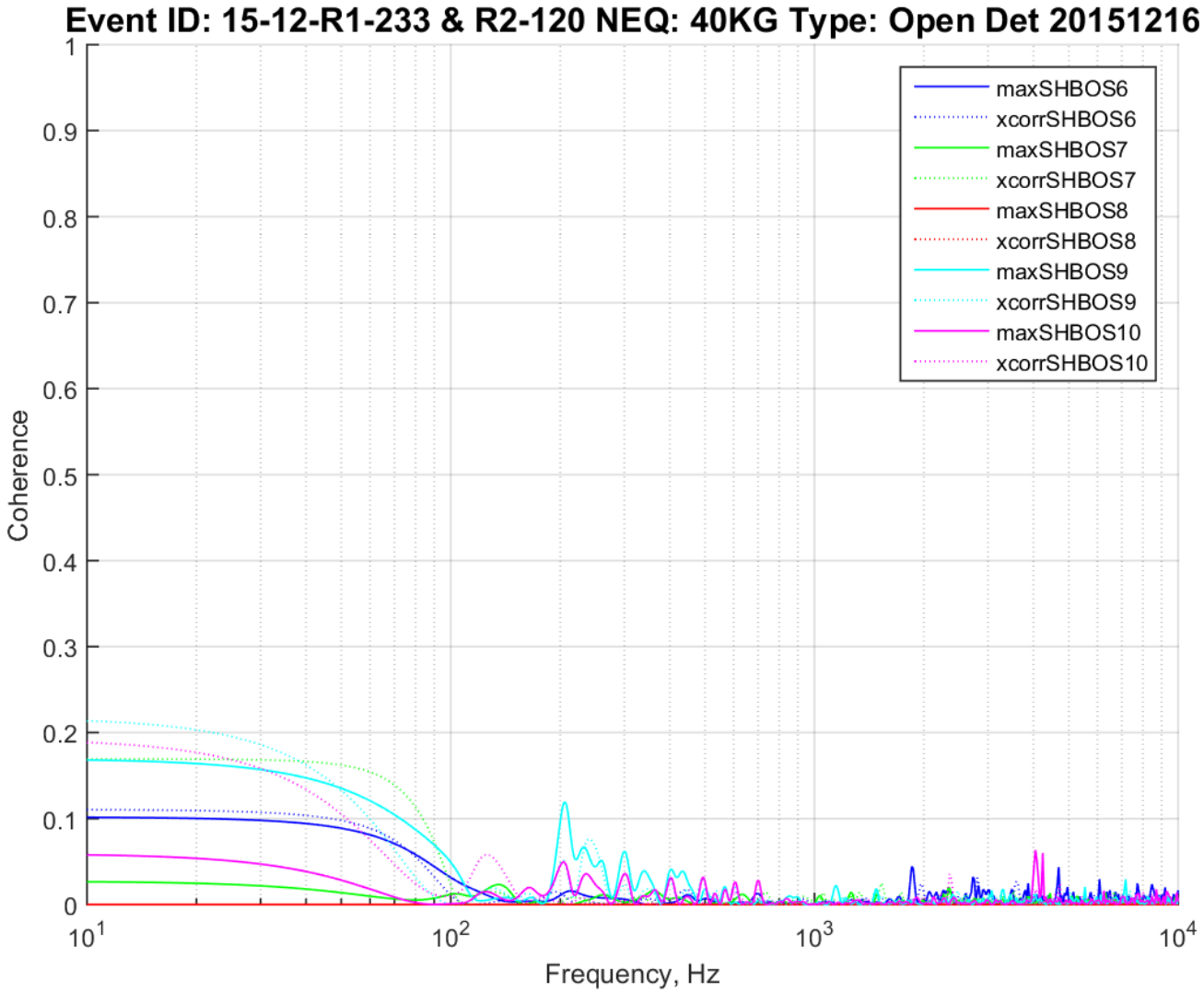


FIGURE 2.2094: COHERENCE SHB_OS 6 - 10 15-12-R1-233 & R2-120CTD

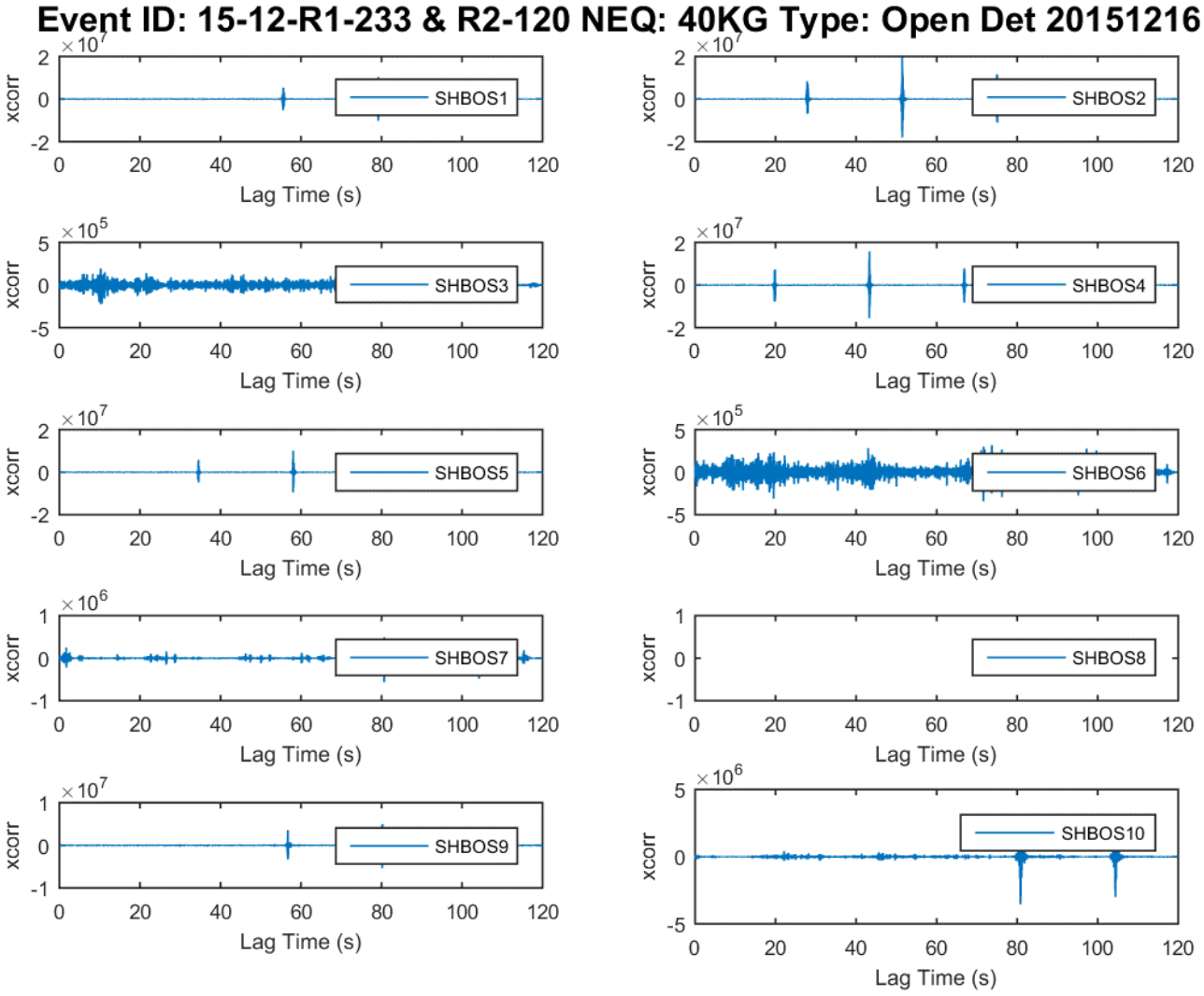


FIGURE 2.2095: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-233 & R2-120

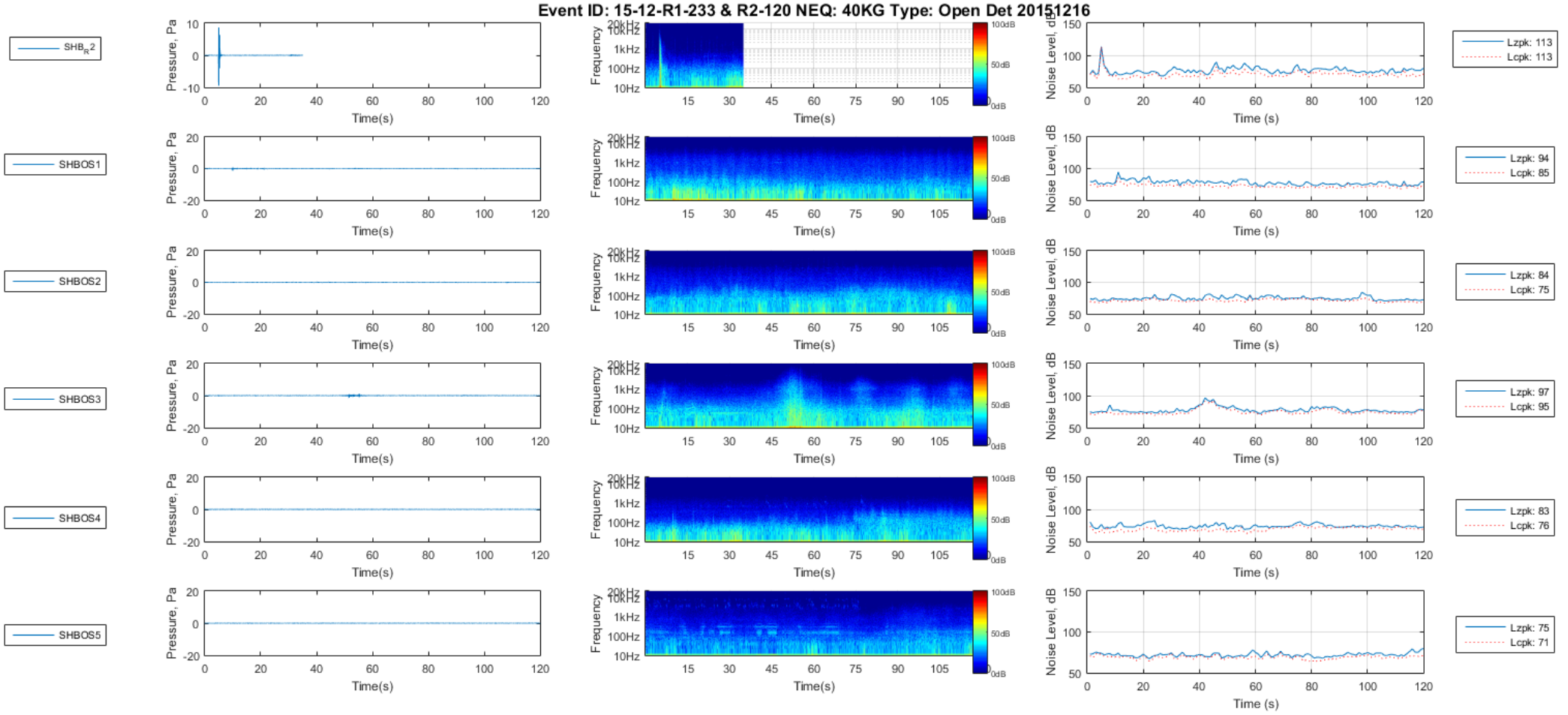


FIGURE 2.2096: SHB_OS 1 - 5 15-12-R1-233 & R2-120

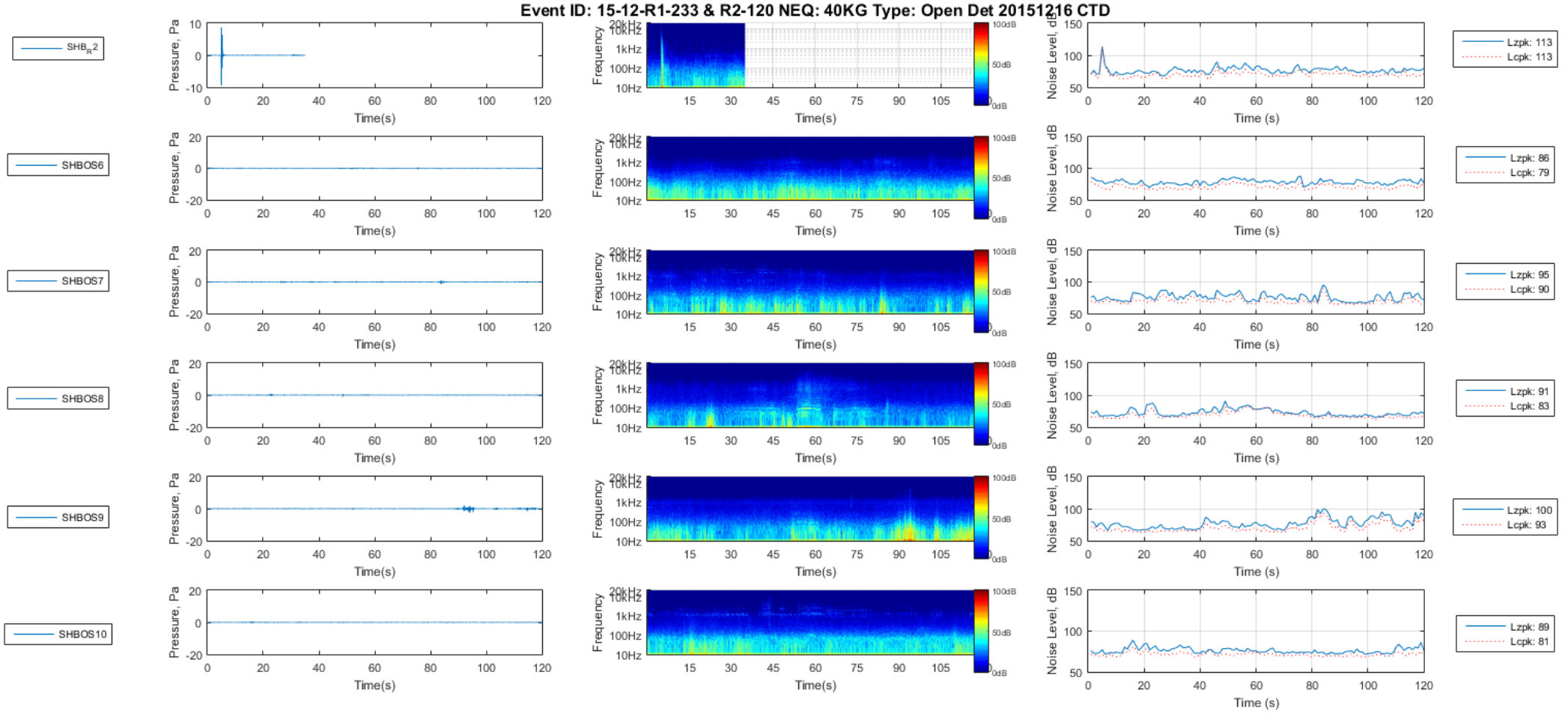


FIGURE 2.2097: SHB_OS 6 - 10 15-12-R1-233 & R2-120

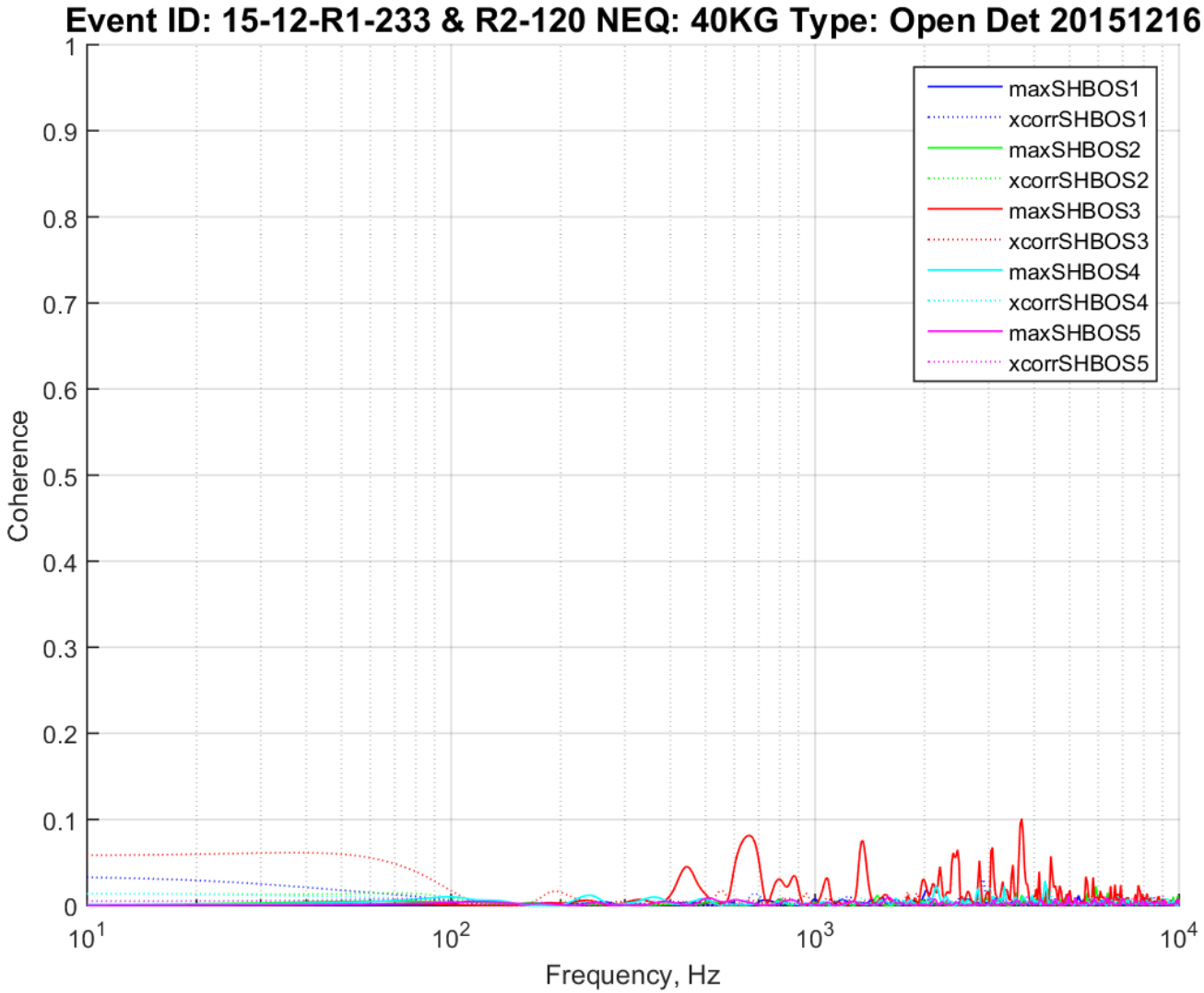


FIGURE 2.2098: COHERENCE SHB_OS 1 - 5 15-12-R1-233 & R2-120

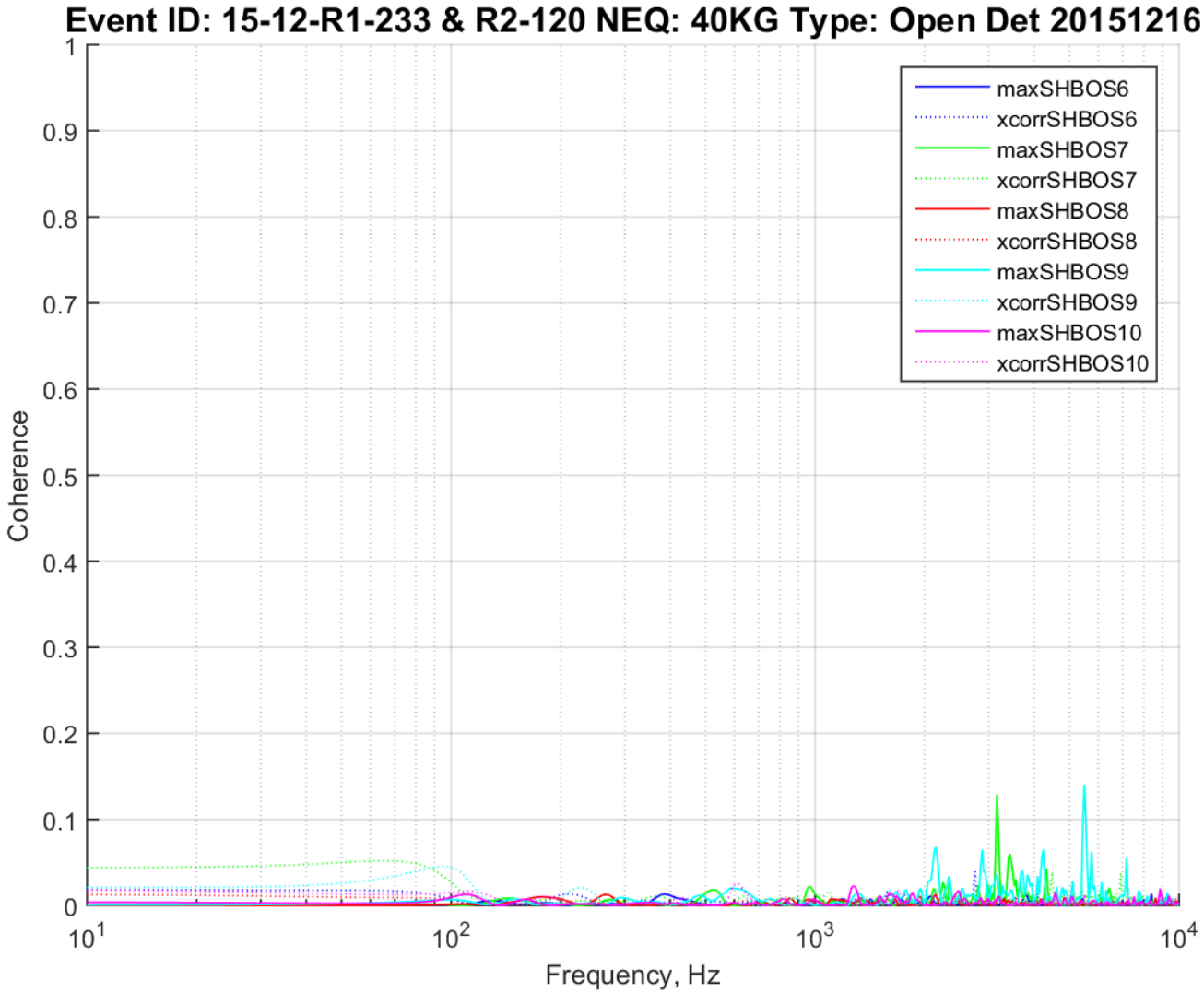


FIGURE 2.2099: COHERENCE SHB_OS 6 - 10 15-12-R1-233 & R2-120CTD

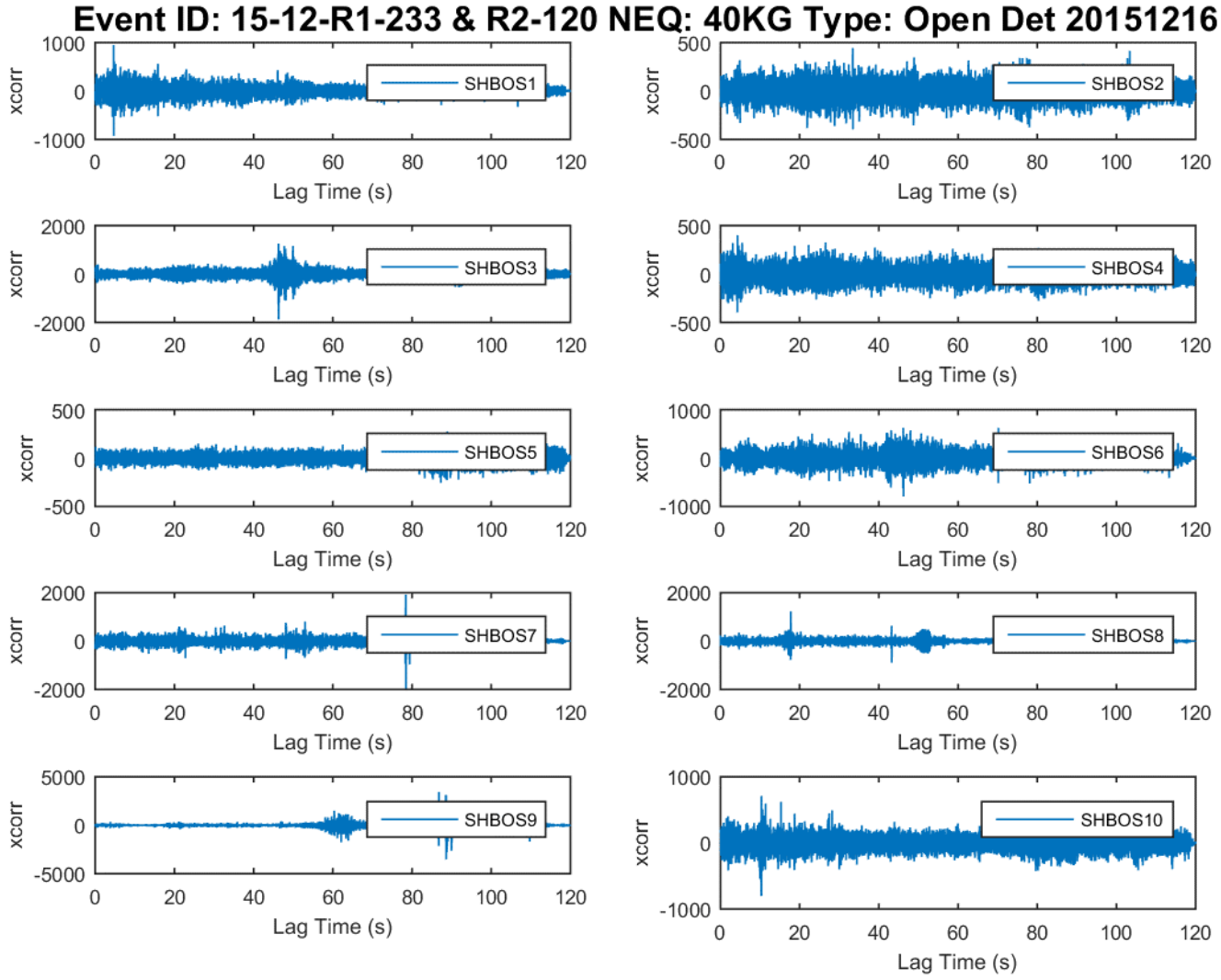


FIGURE 2.2100: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-233 & R2-120

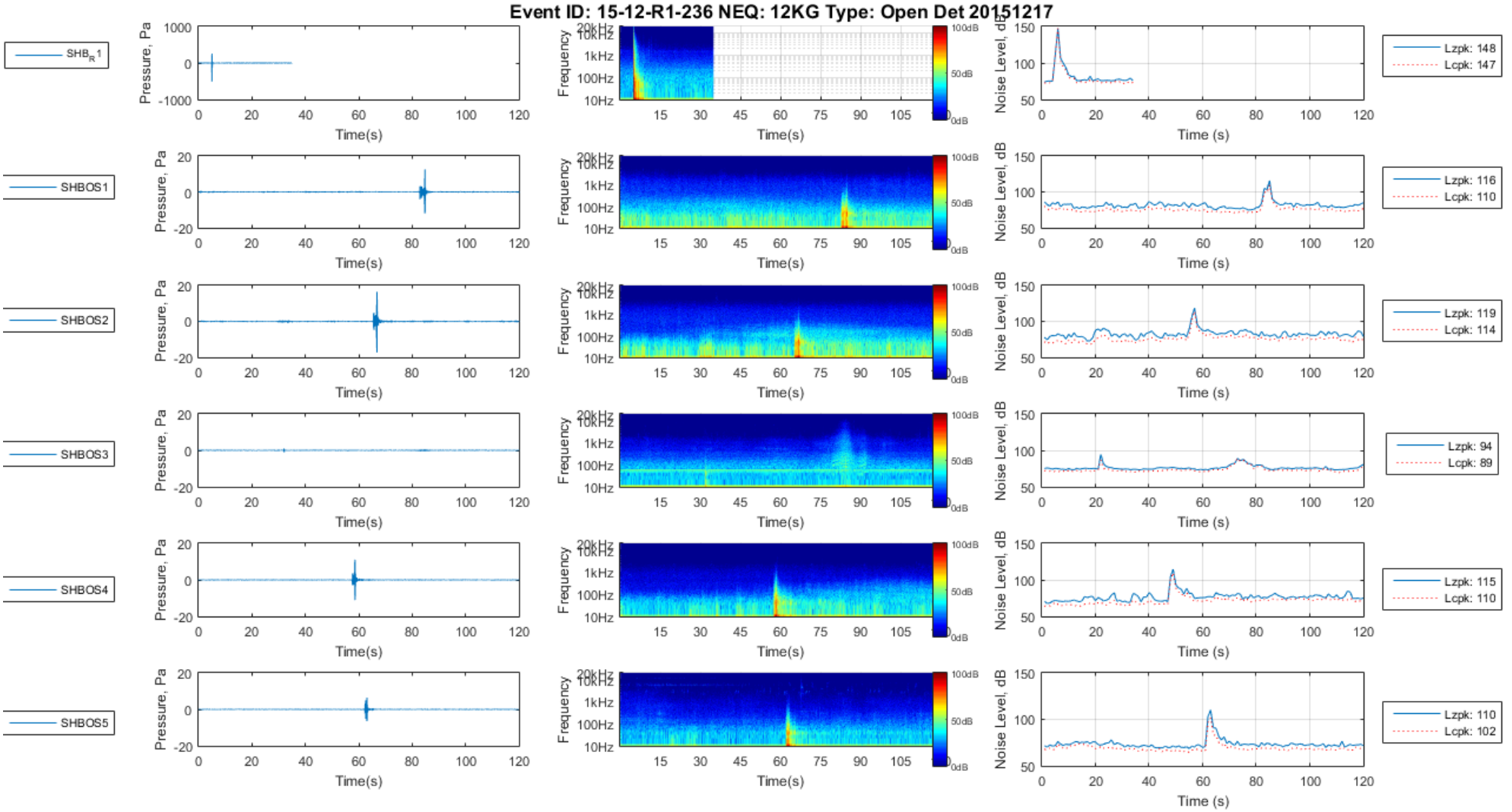


FIGURE 2.2101: SHB_OS 1 - 5 15-12-R1-236

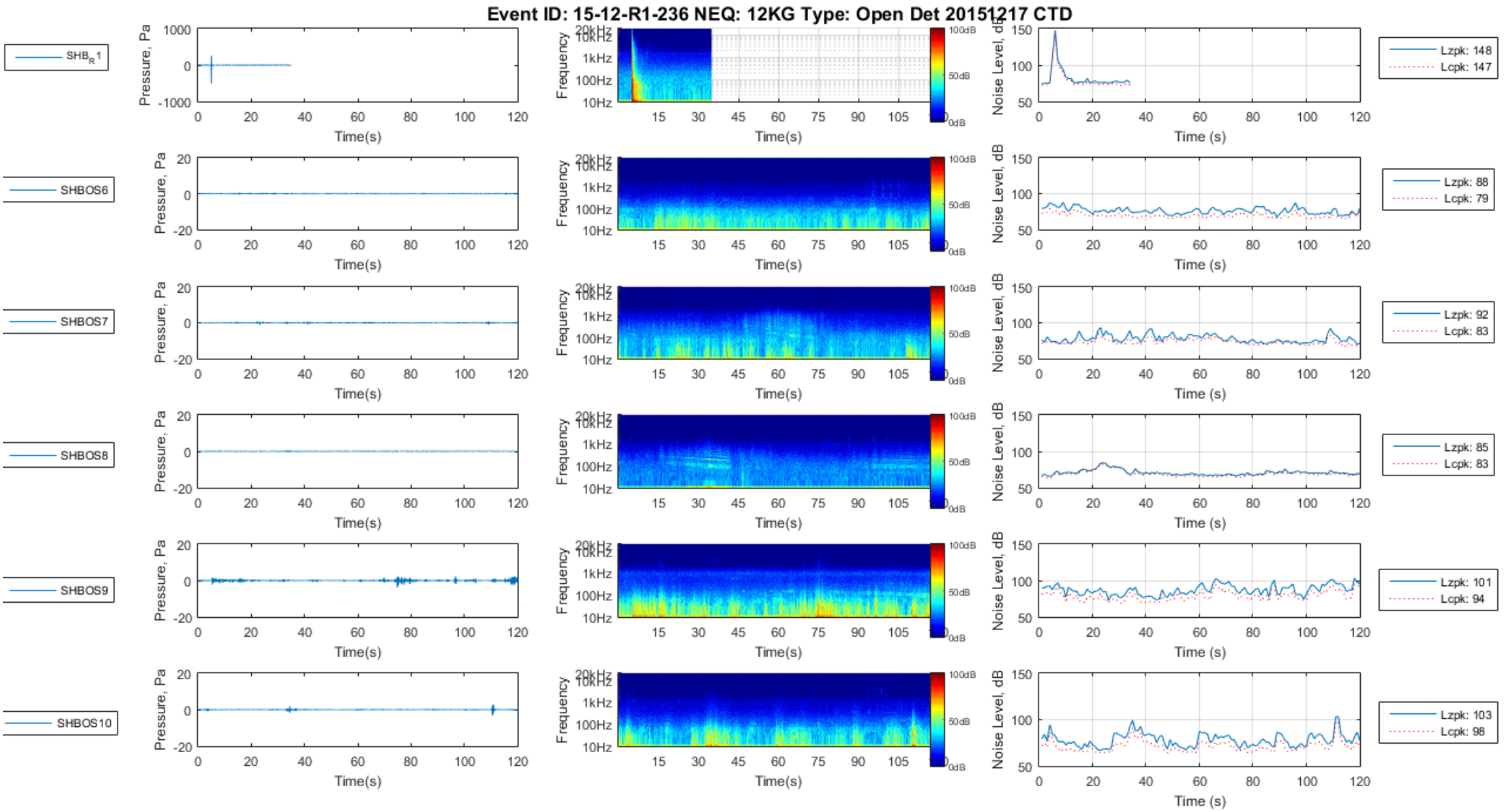


FIGURE 2.2102: SHB_OS 6 - 10 15-12-R1-236

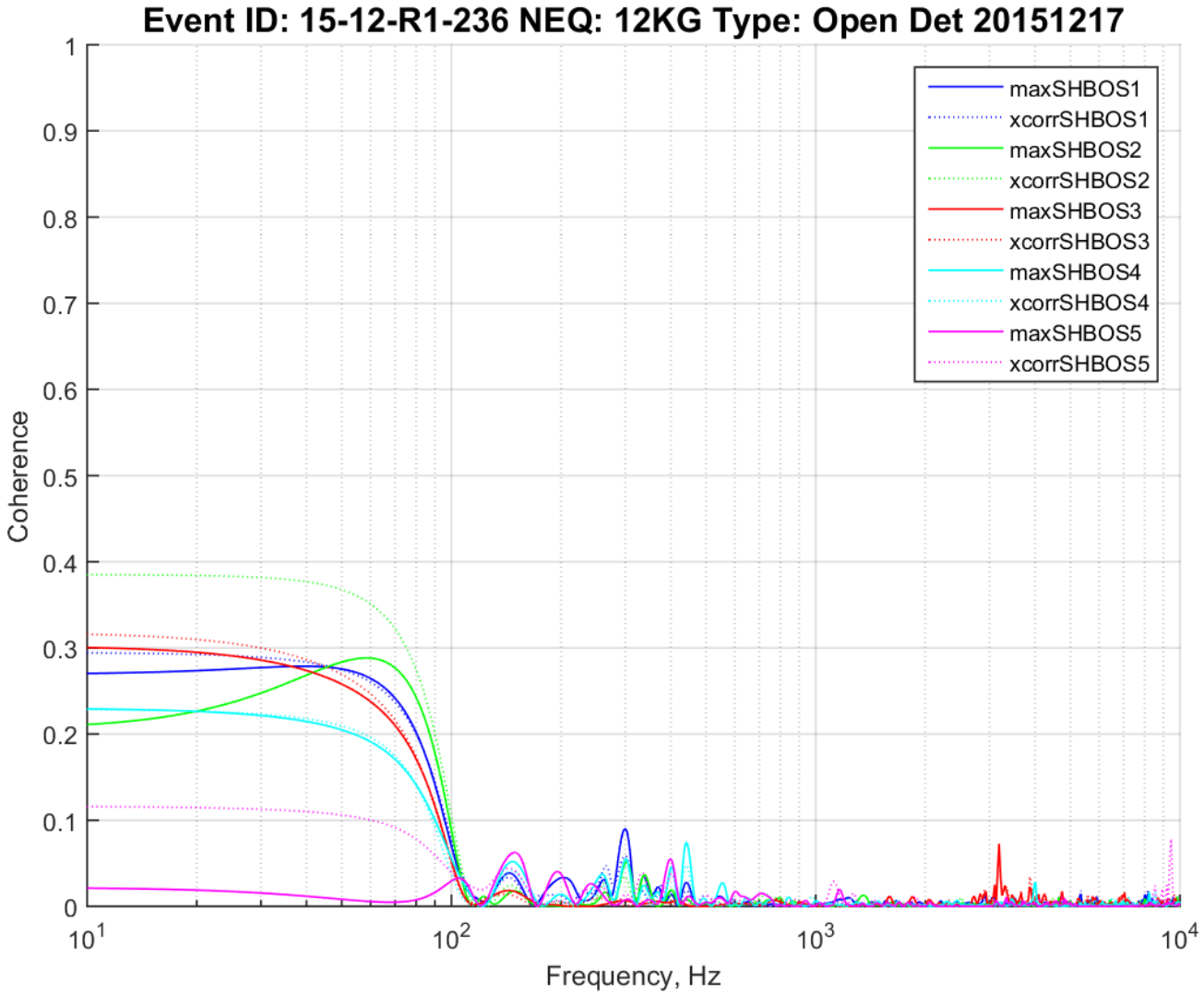


FIGURE 2.2103: COHERENCE SHB_OS 1 - 5 15-12-R1-236

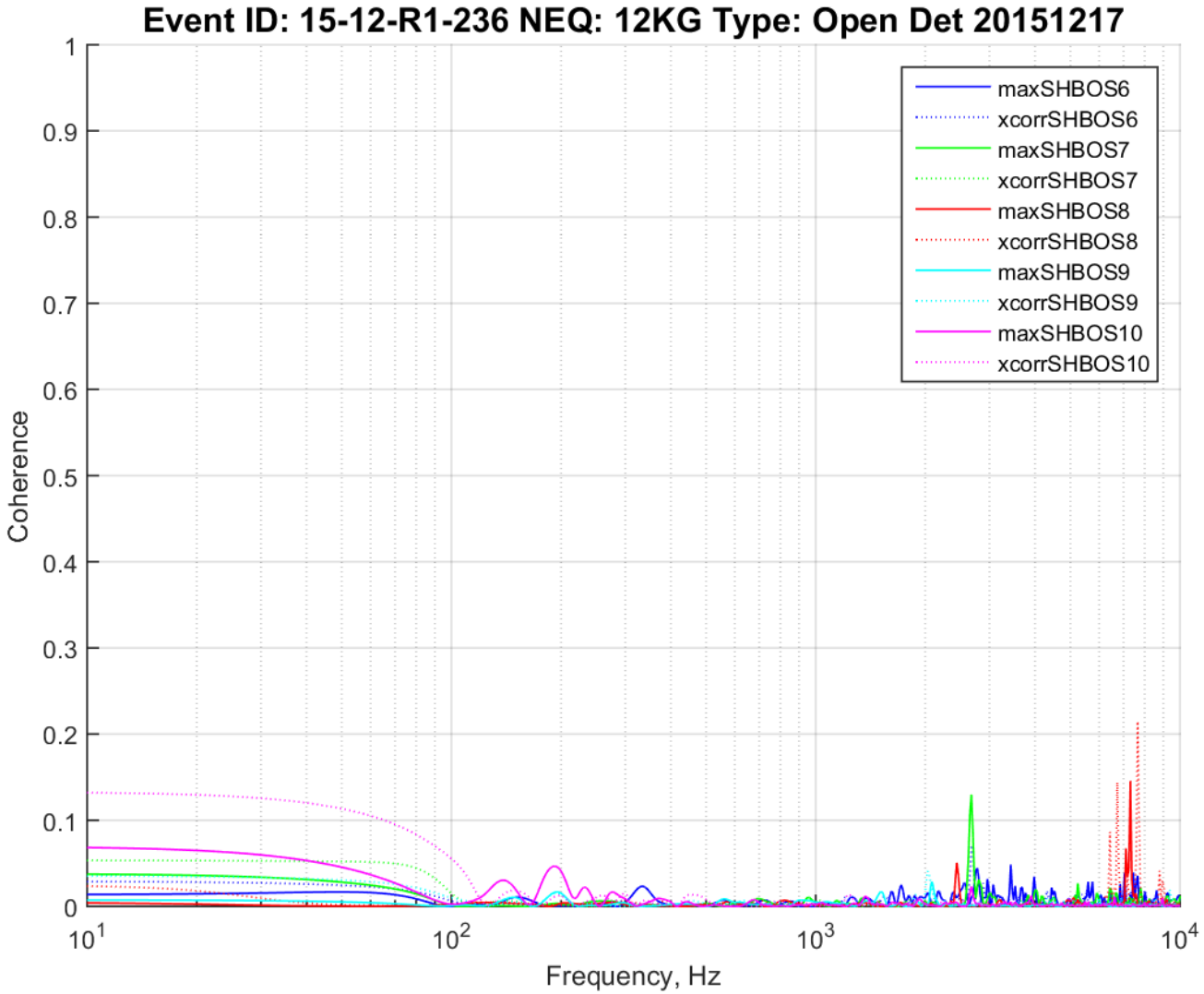


FIGURE 2.2104: COHERENCE SHB_OS 6 - 10 15-12-R1-236CTD

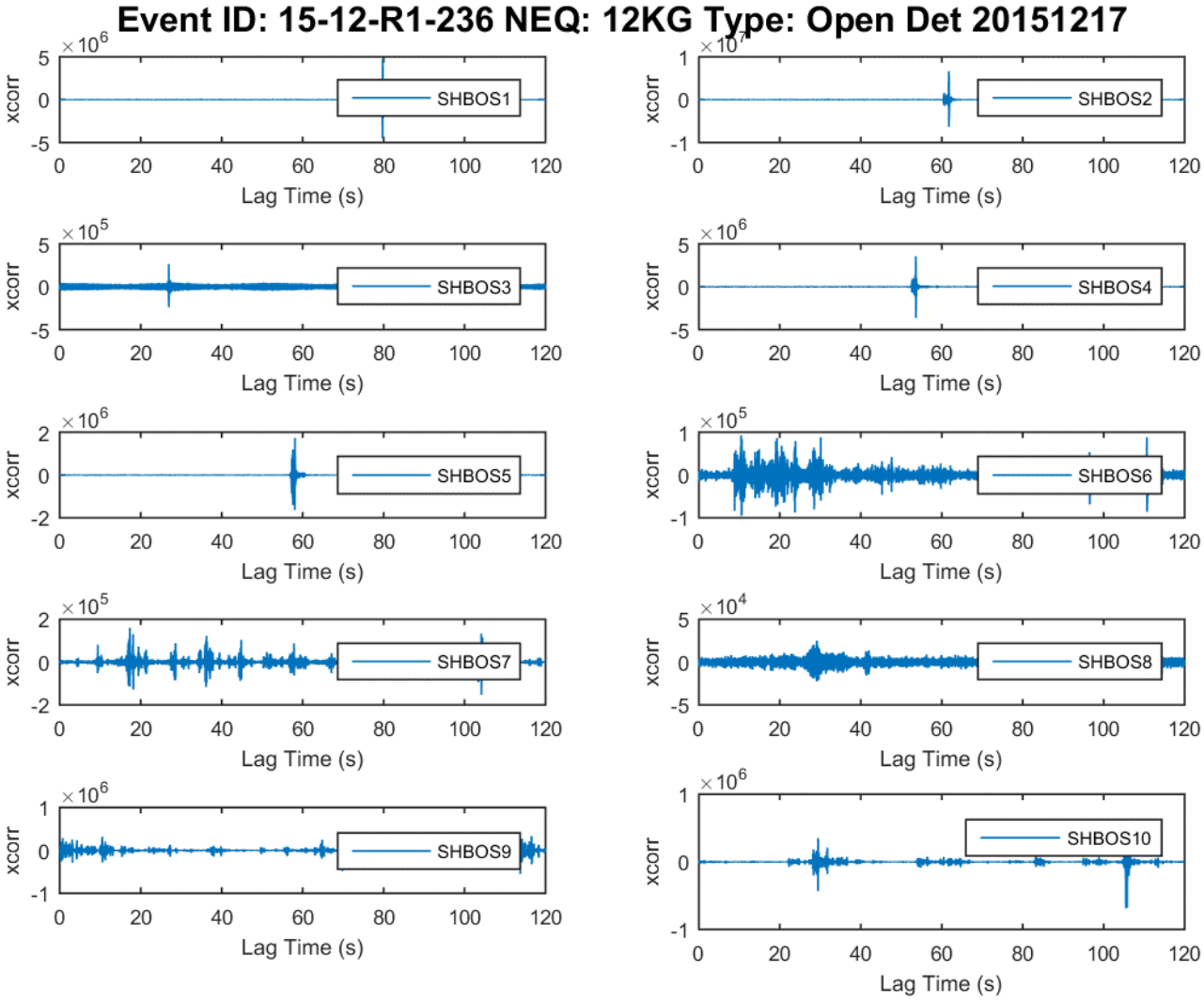


FIGURE 2.2105: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-236

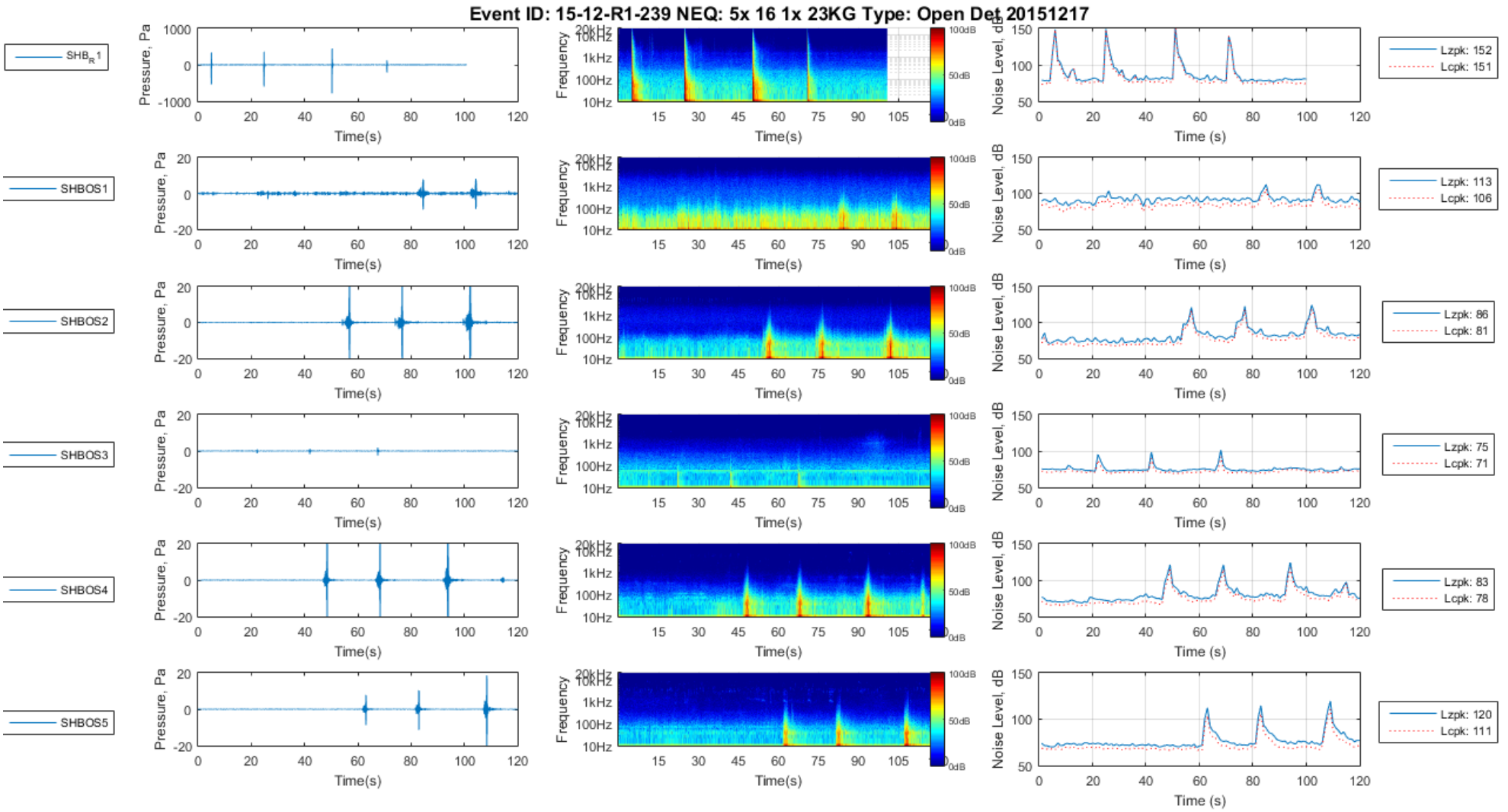


FIGURE 2.2106: SHB_OS 1 - 5 15-12-R1-239

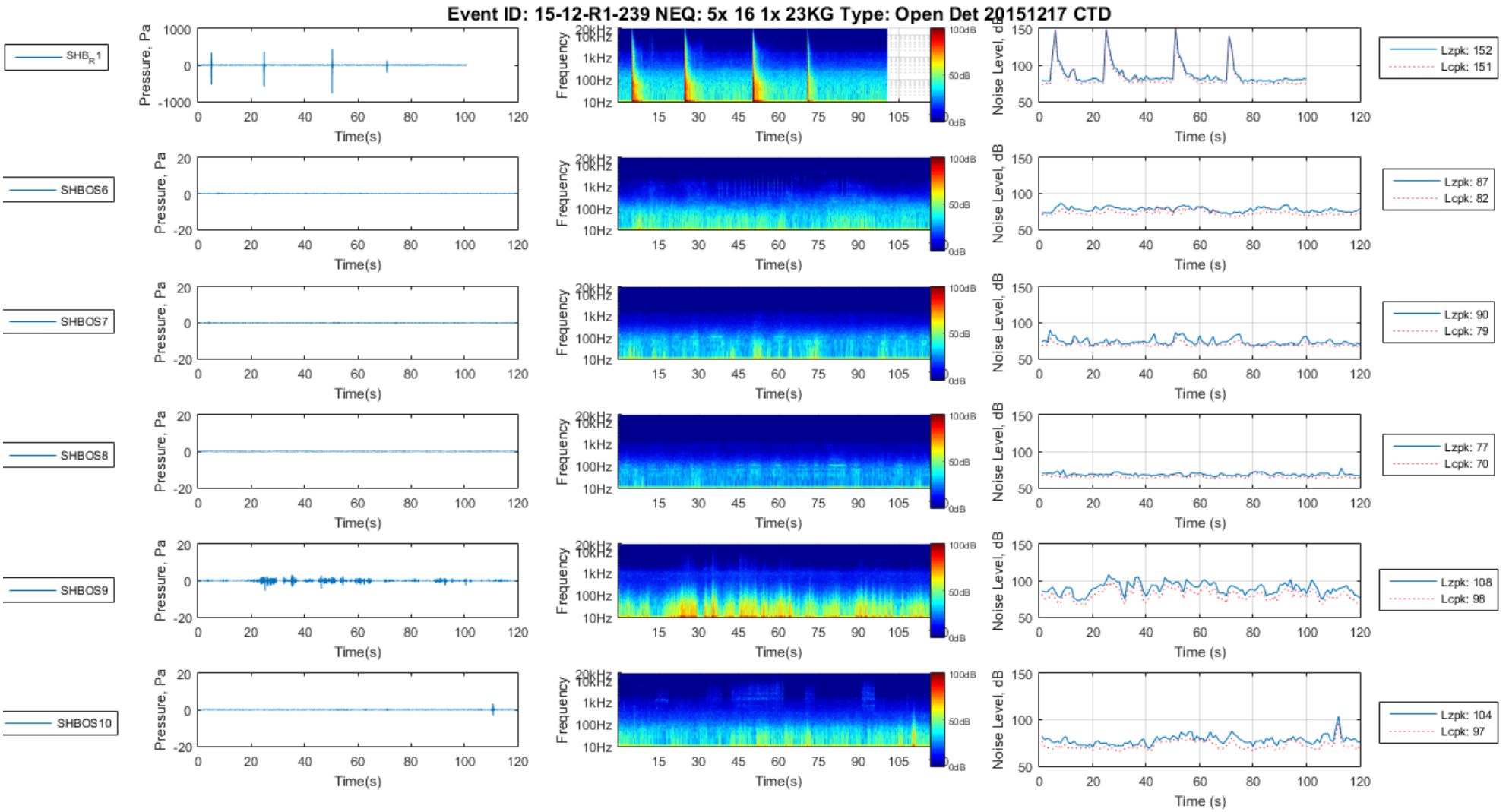


FIGURE 2.2107: SHB_OS 6 - 10 15-12-R1-239

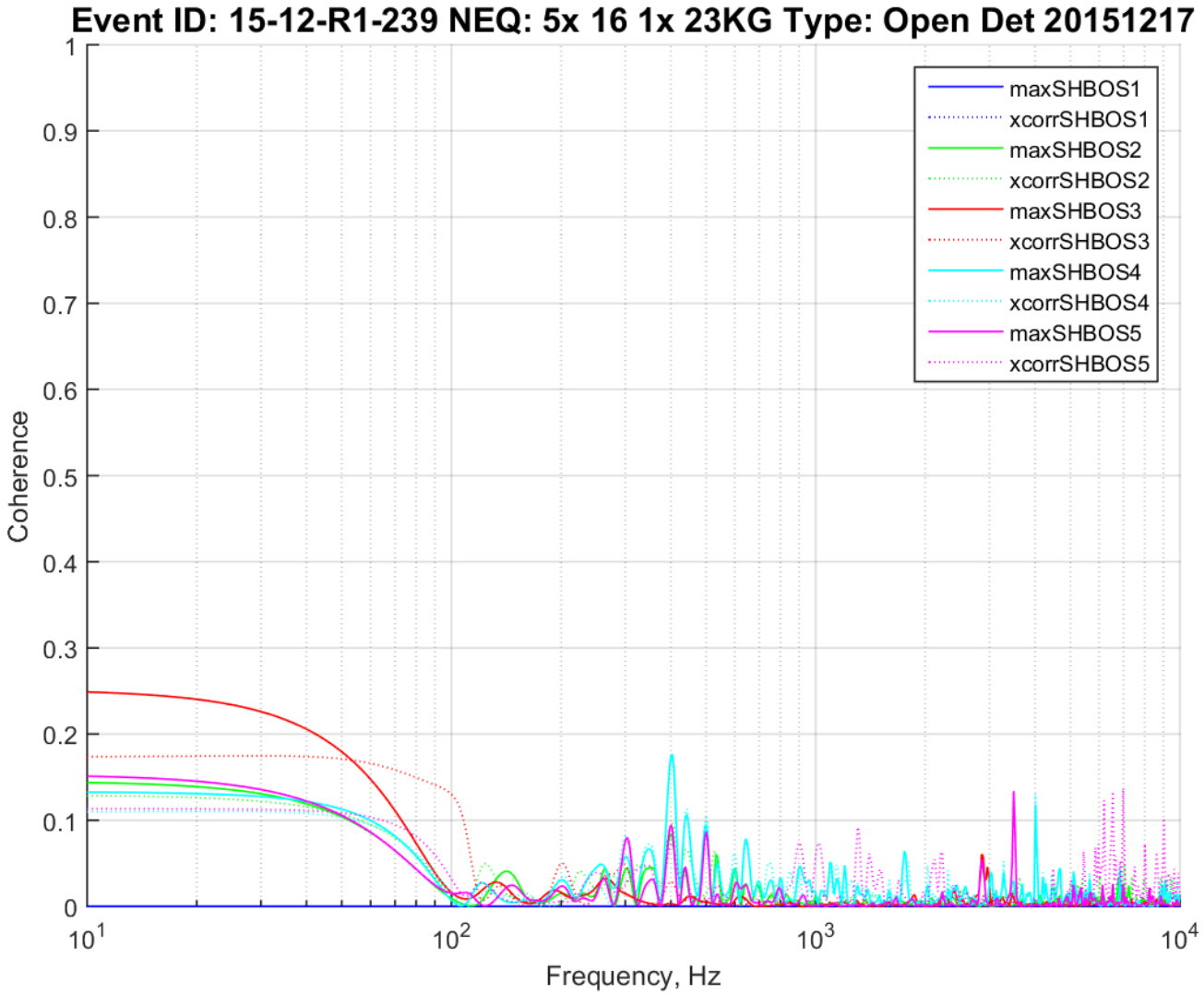


FIGURE 2.2108: COHERENCE SHB_OS 1 - 5 15-12-R1-239

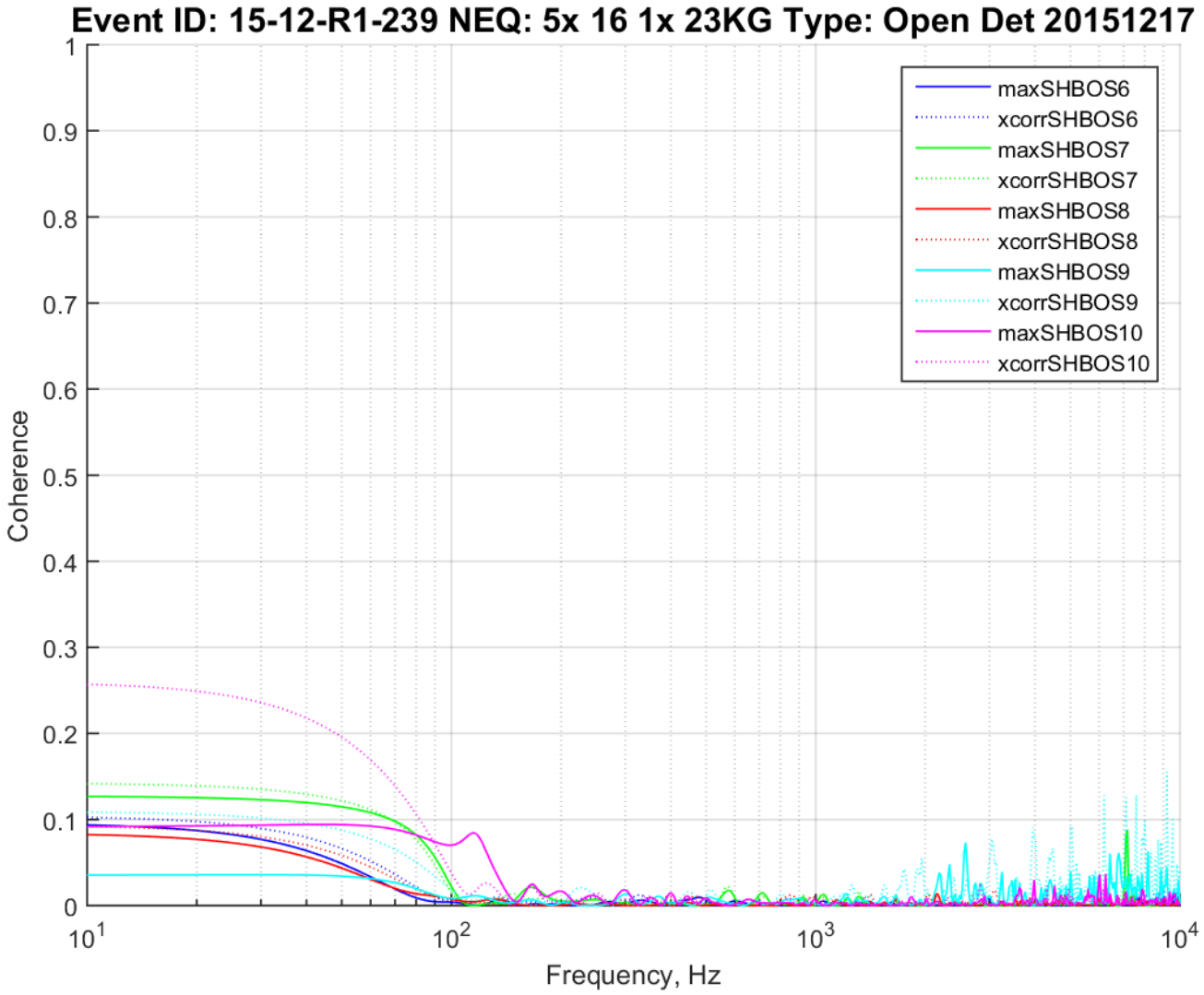


FIGURE 2.2109: COHERENCE SHB_OS 6 - 10 15-12-R1-239CTD

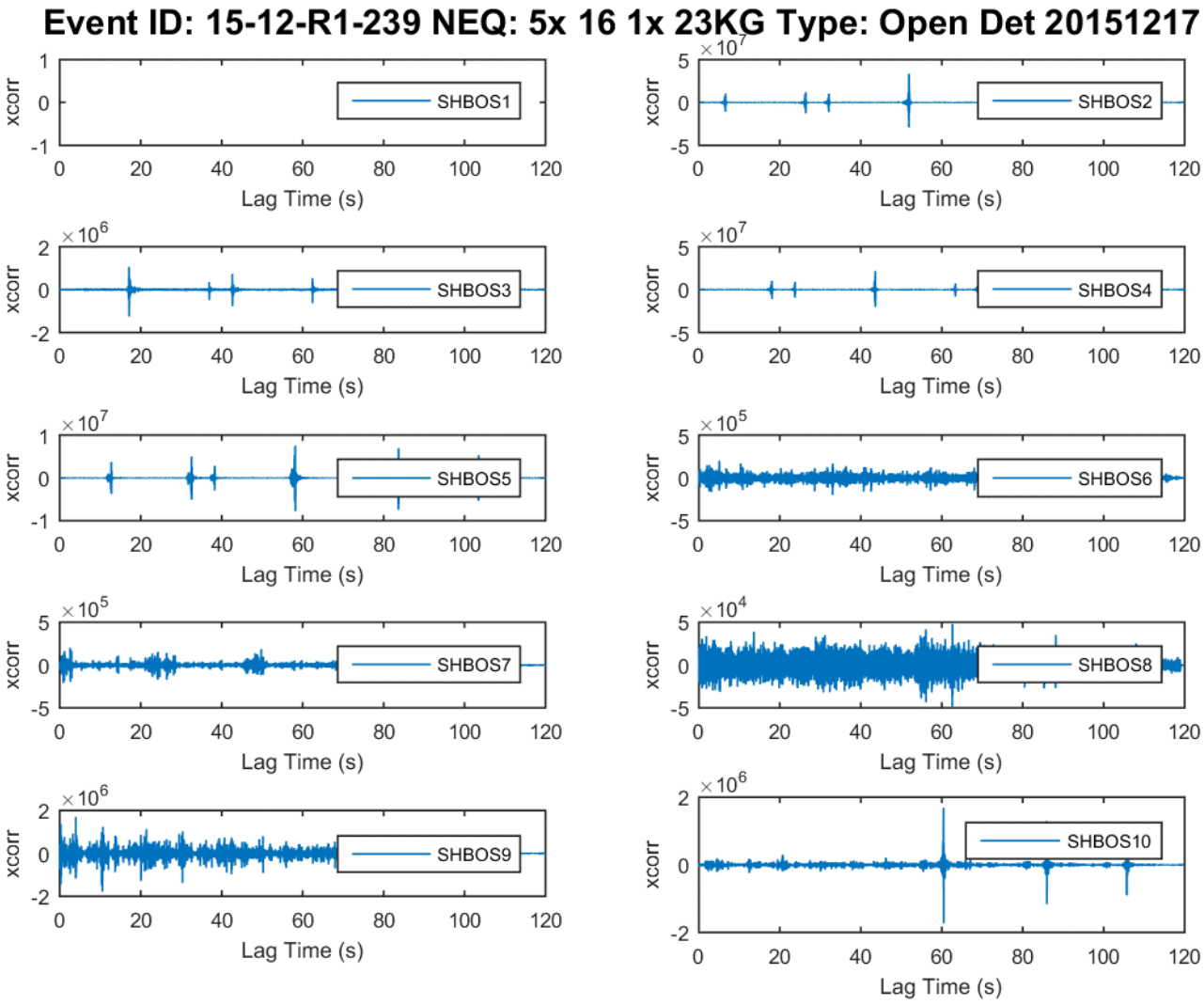


FIGURE 2.2110: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-239

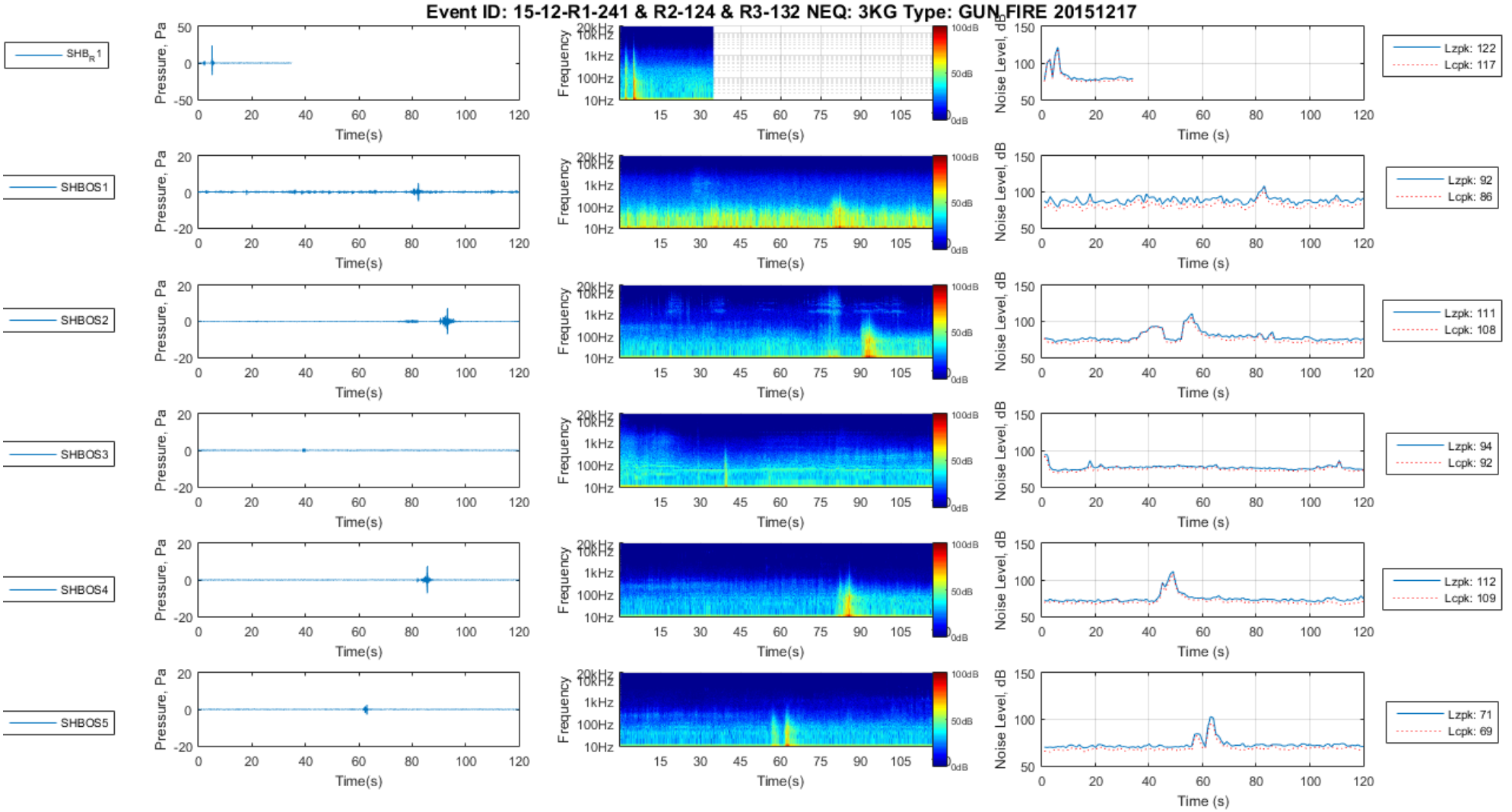


FIGURE 2.2111: SHB_OS 1 - 5 15-12-R1-241 & R2-124 & R3-132

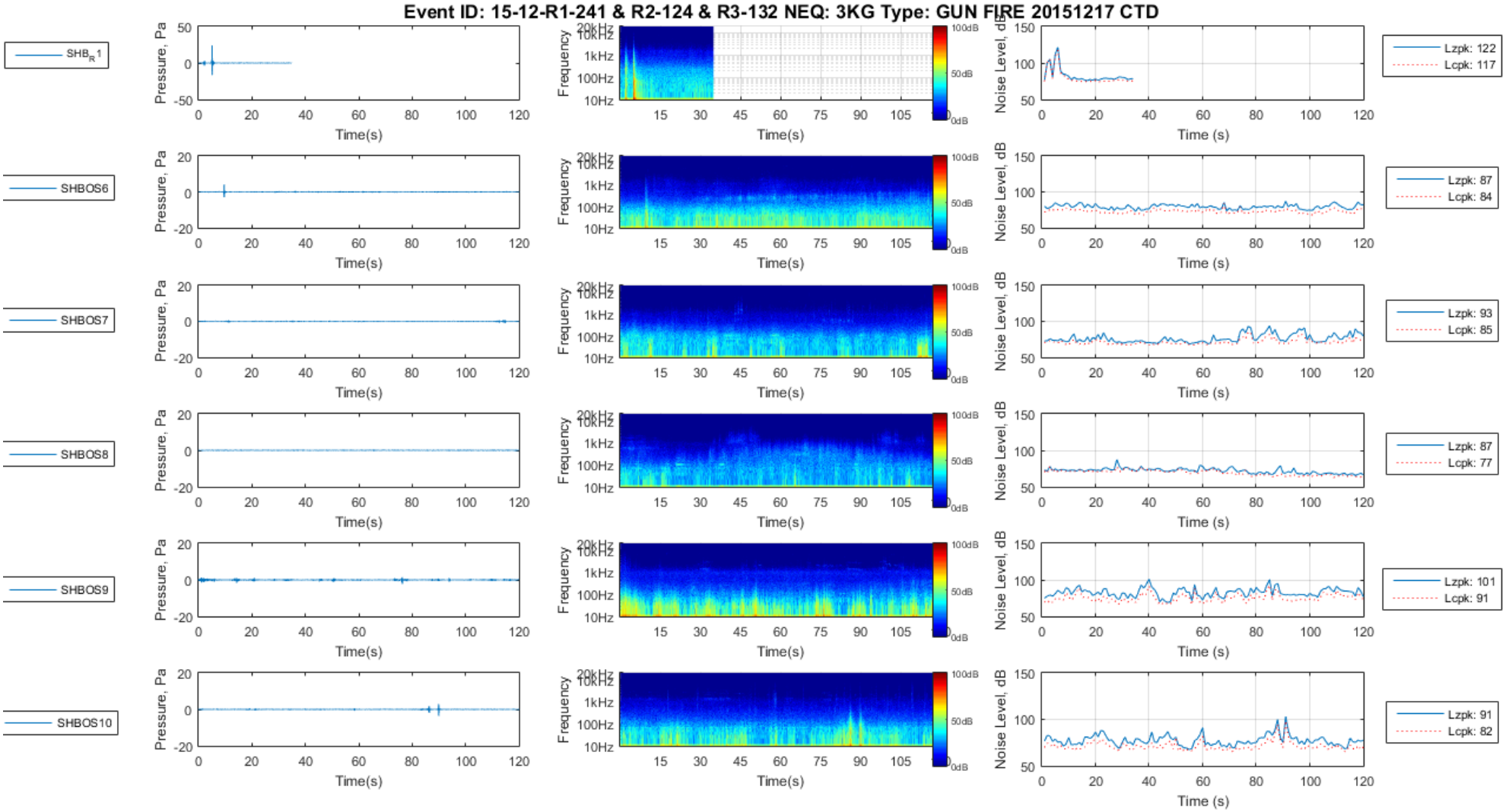


FIGURE 2.2112: SHB_OS 6 - 10 15-12-R1-241 & R2-124 & R3-132

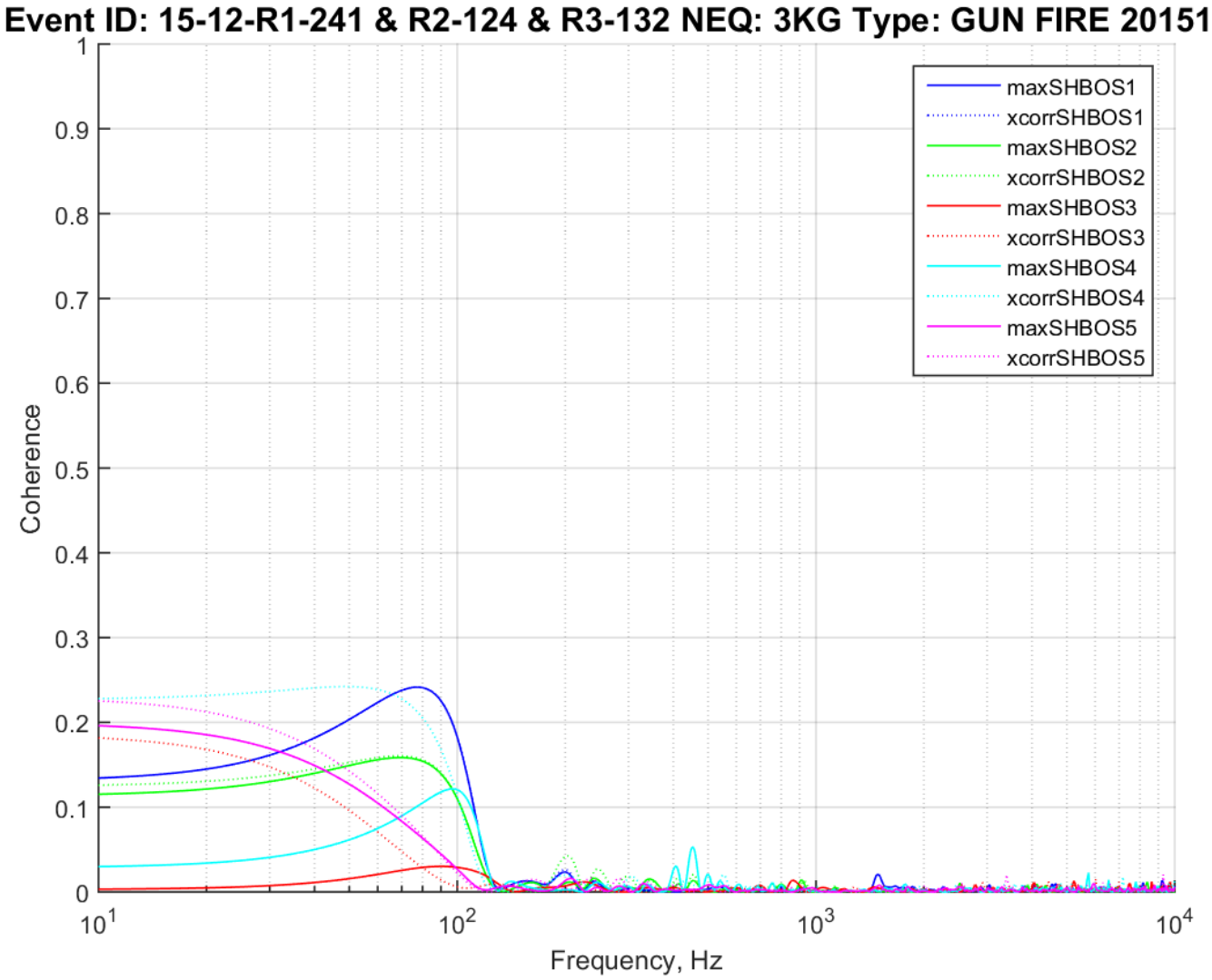


FIGURE 2.2113: COHERENCE SHB_OS 1 - 5 15-12-R1-241 & R2-124 & R3-132

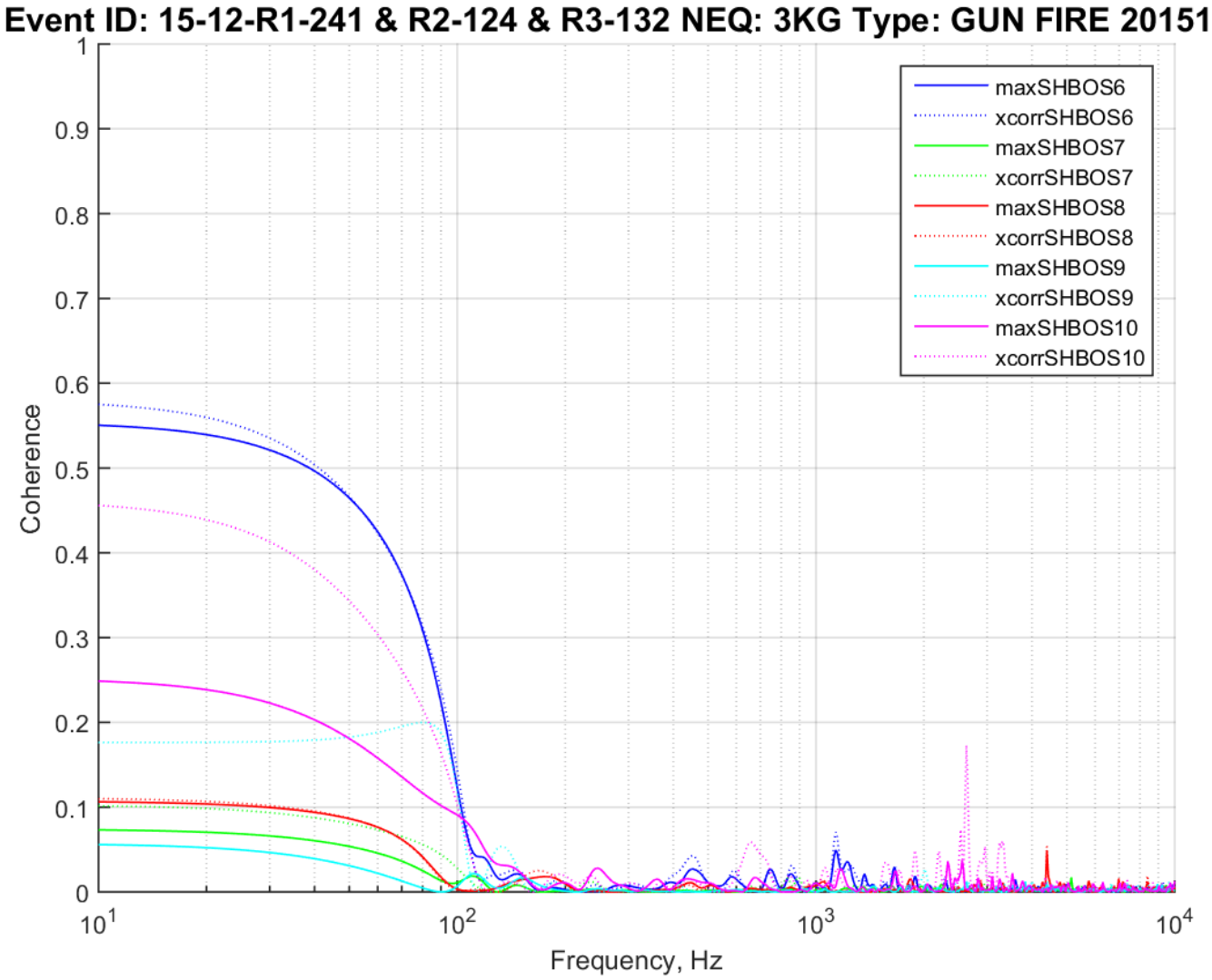


FIGURE 2.2114: COHERENCE SHB_OS 6 - 10 15-12-R1-241 & R2-124 & R3-132CTD

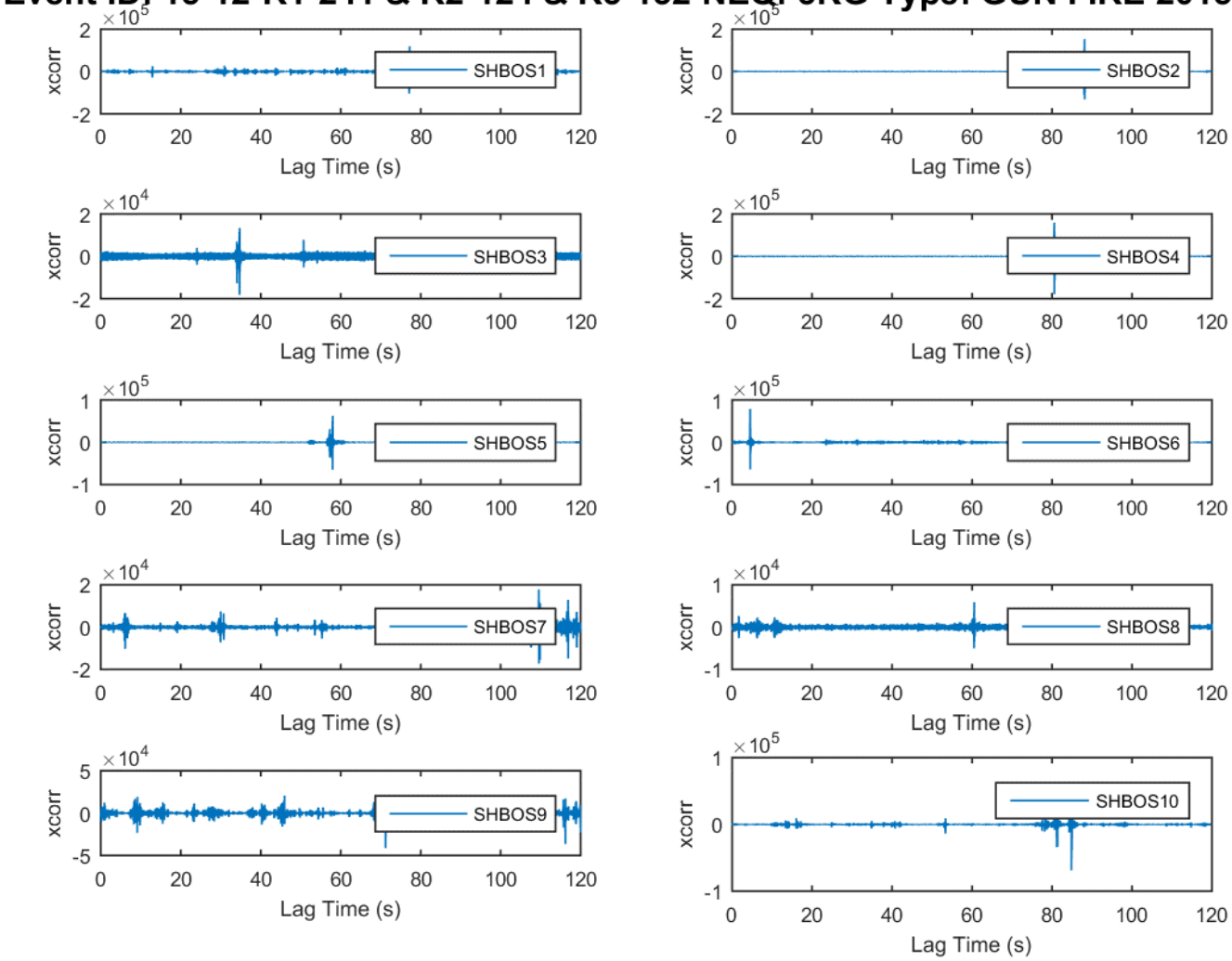


FIGURE 2.2115: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-241 & R2-124 & R3-132

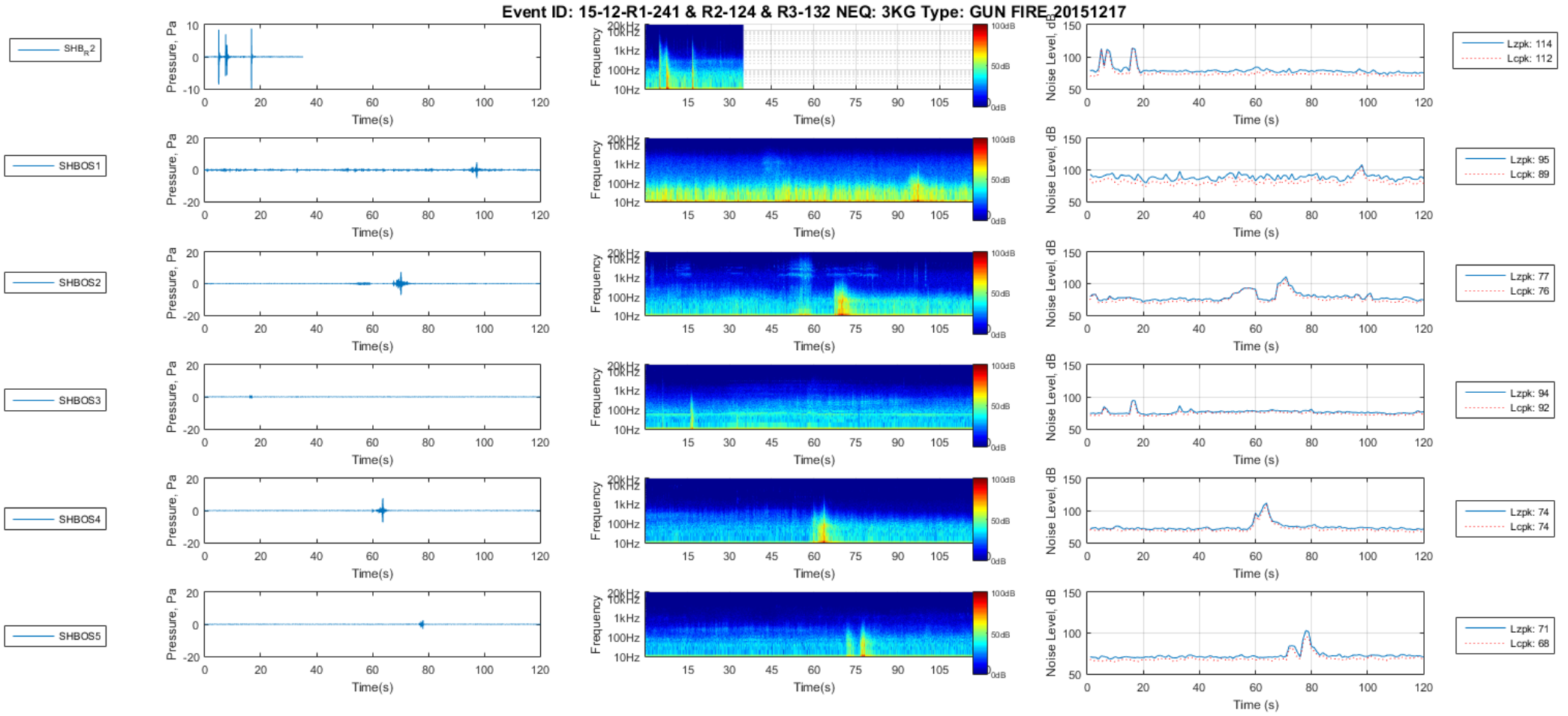


FIGURE 2.2116: SHB_OS 1 - 5 15-12-R1-241 & R2-124 & R3-132

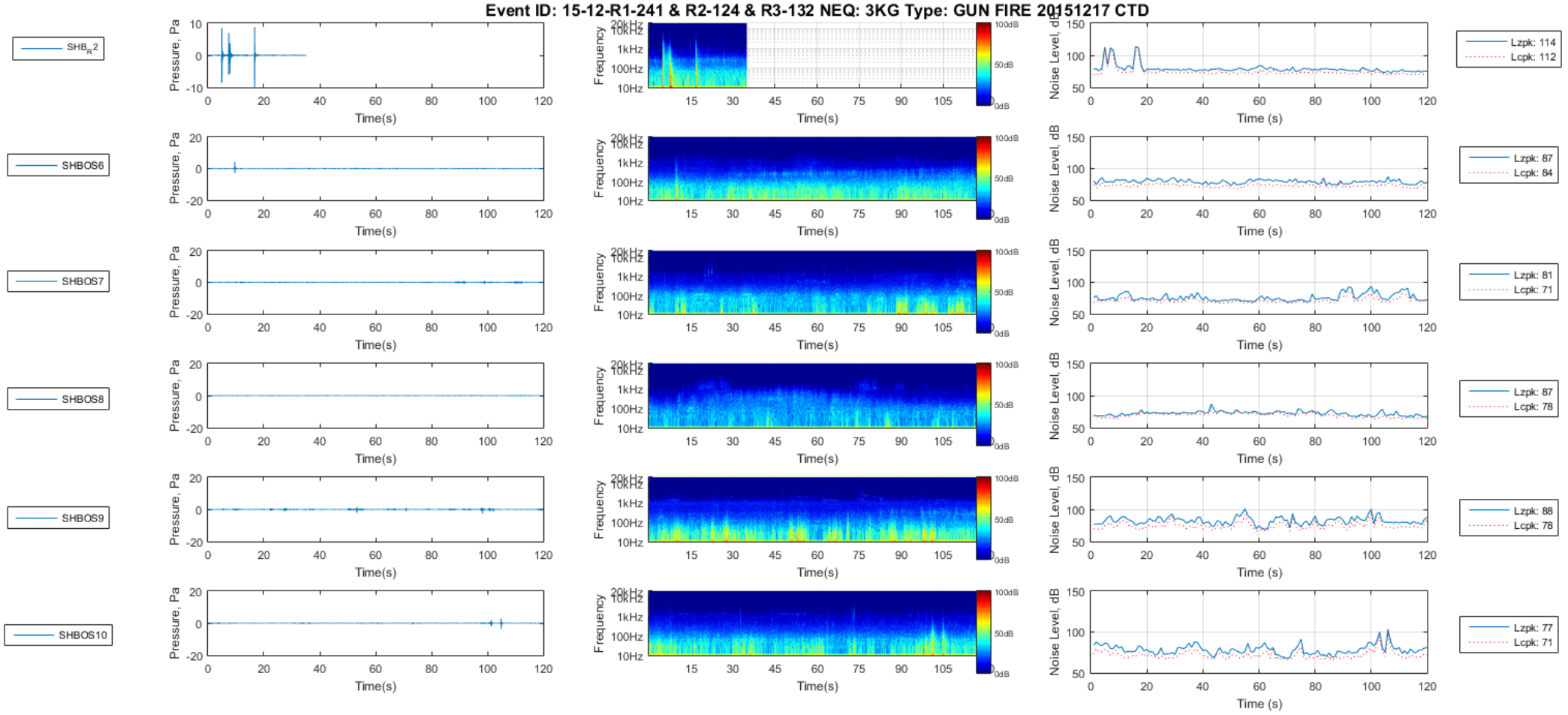


FIGURE 2.2117: SHB_OS 6 - 10 15-12-R1-241 & R2-124 & R3-132

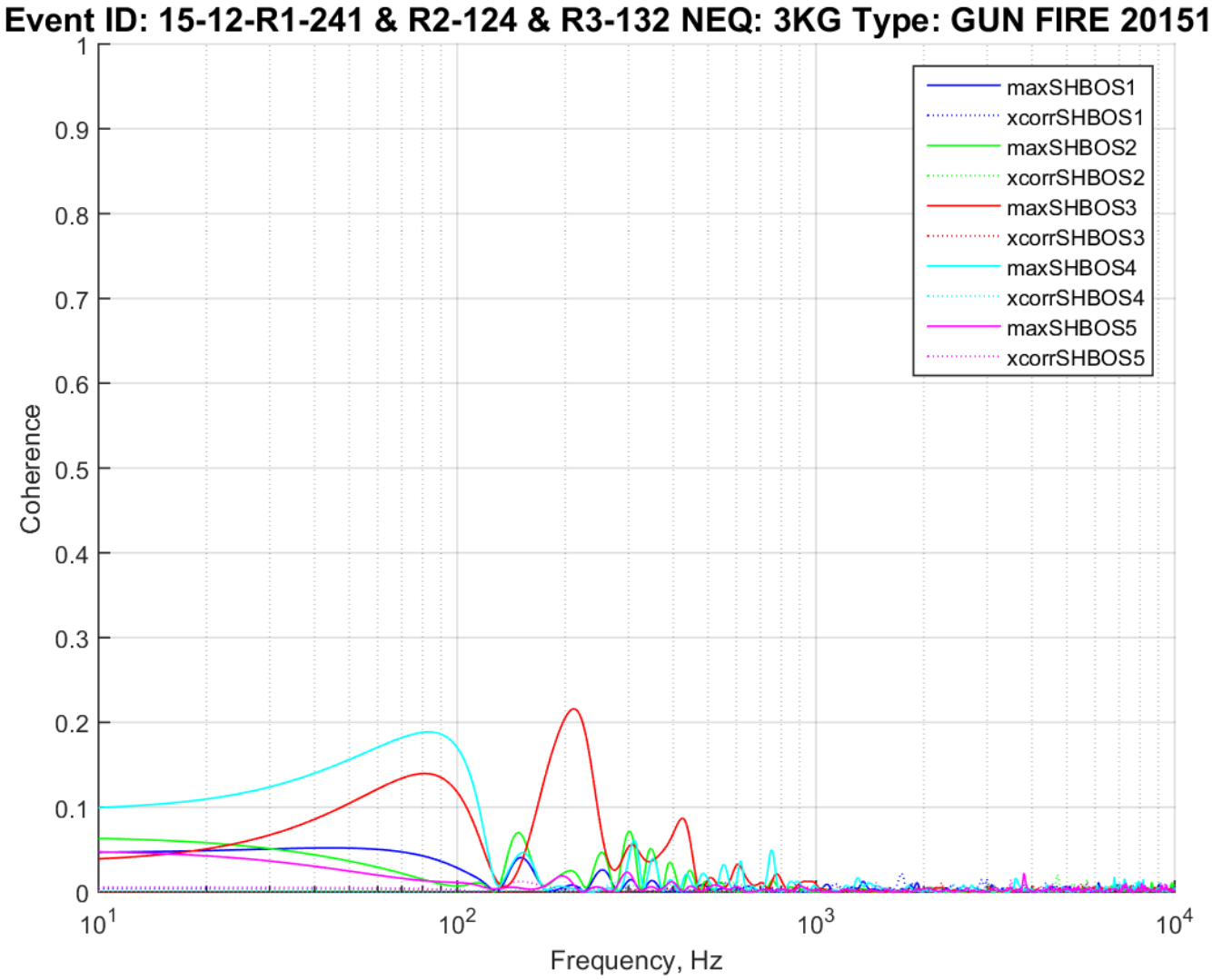


FIGURE 2.2118: COHERENCE SHB_OS 1 - 5 15-12-R1-241 & R2-124 & R3-132

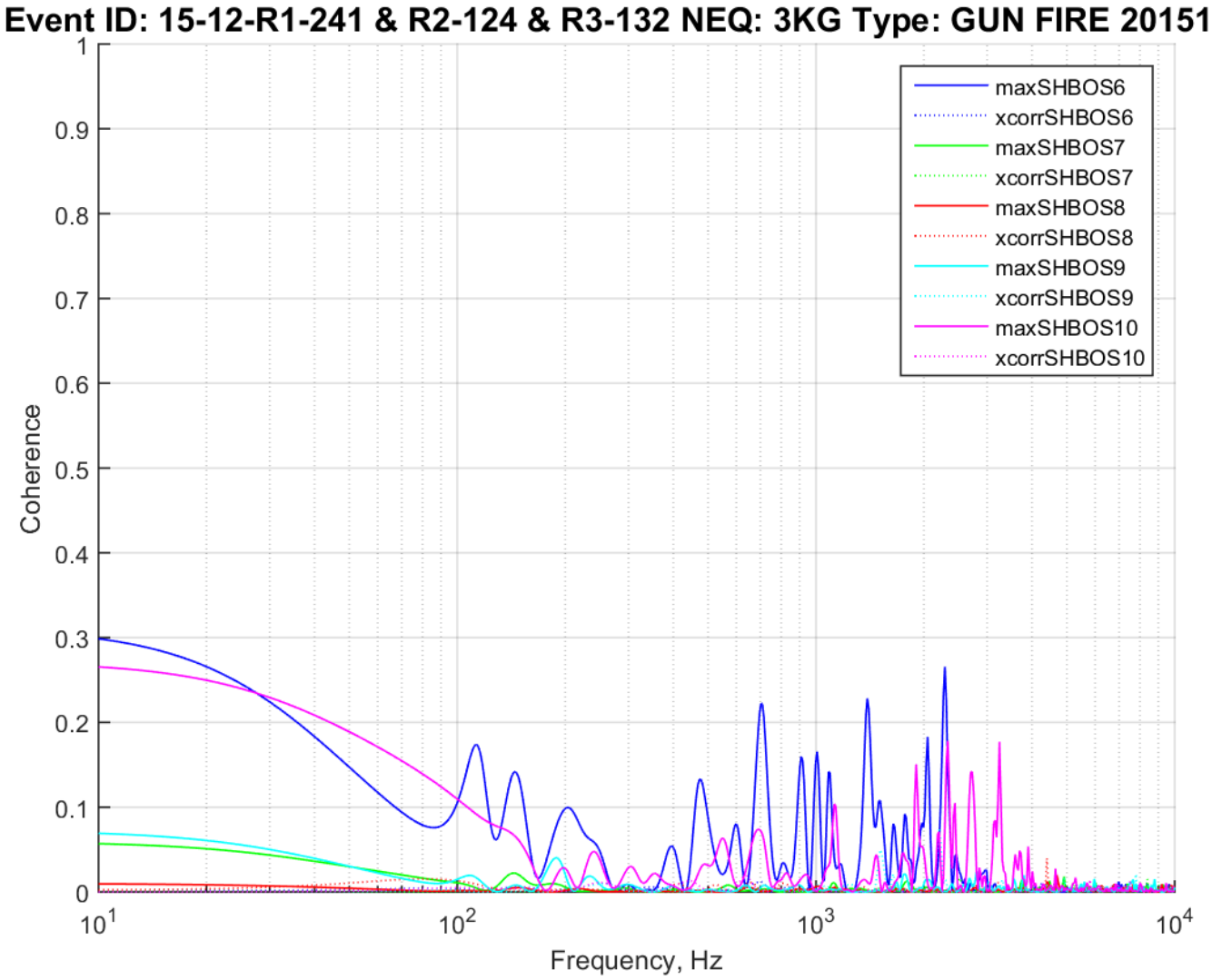


FIGURE 2.2119: COHERENCE SHB_OS 6 - 10 15-12-R1-241 & R2-124 & R3-132CTD

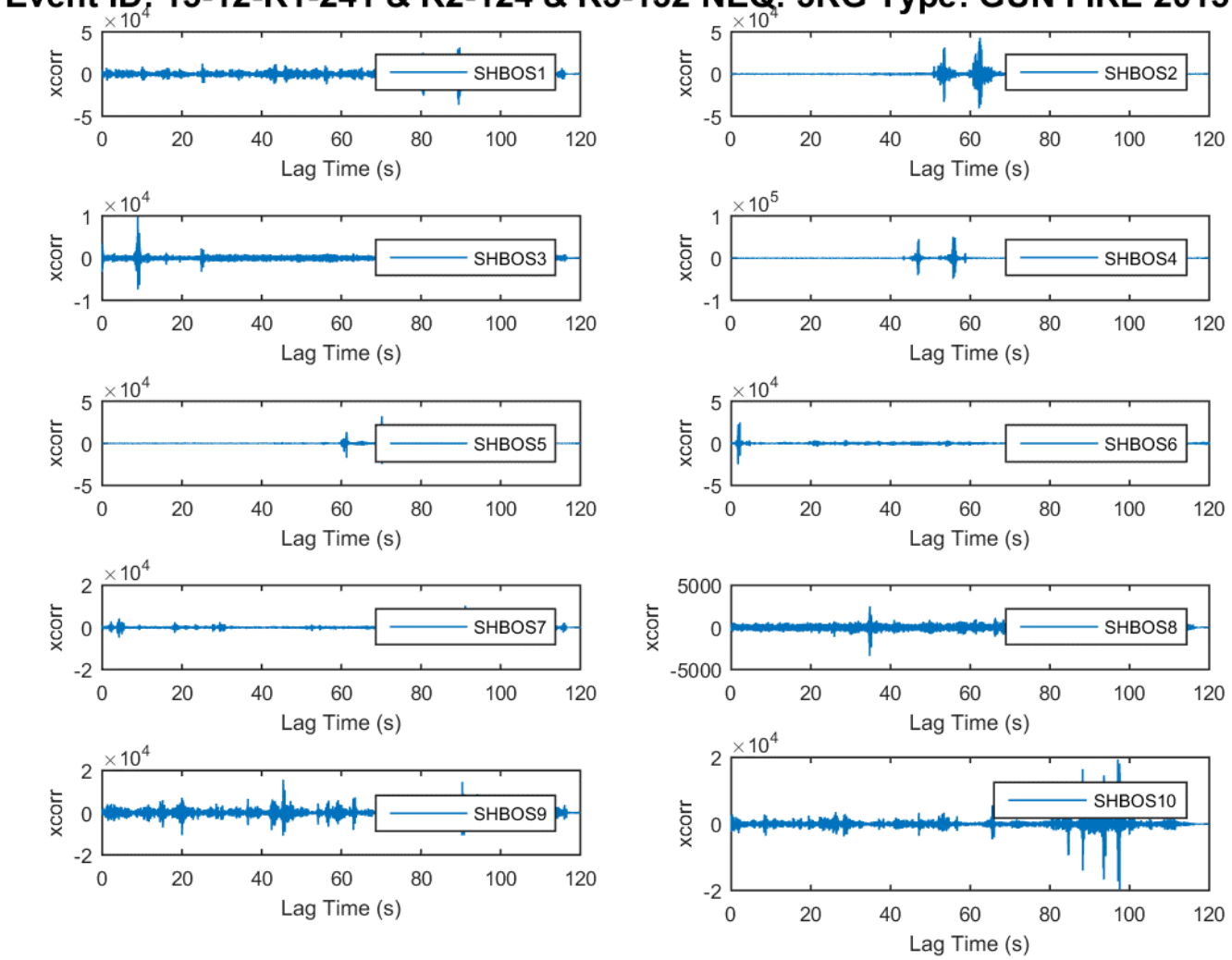


FIGURE 2.2120: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-241 & R2-124 & R3-132

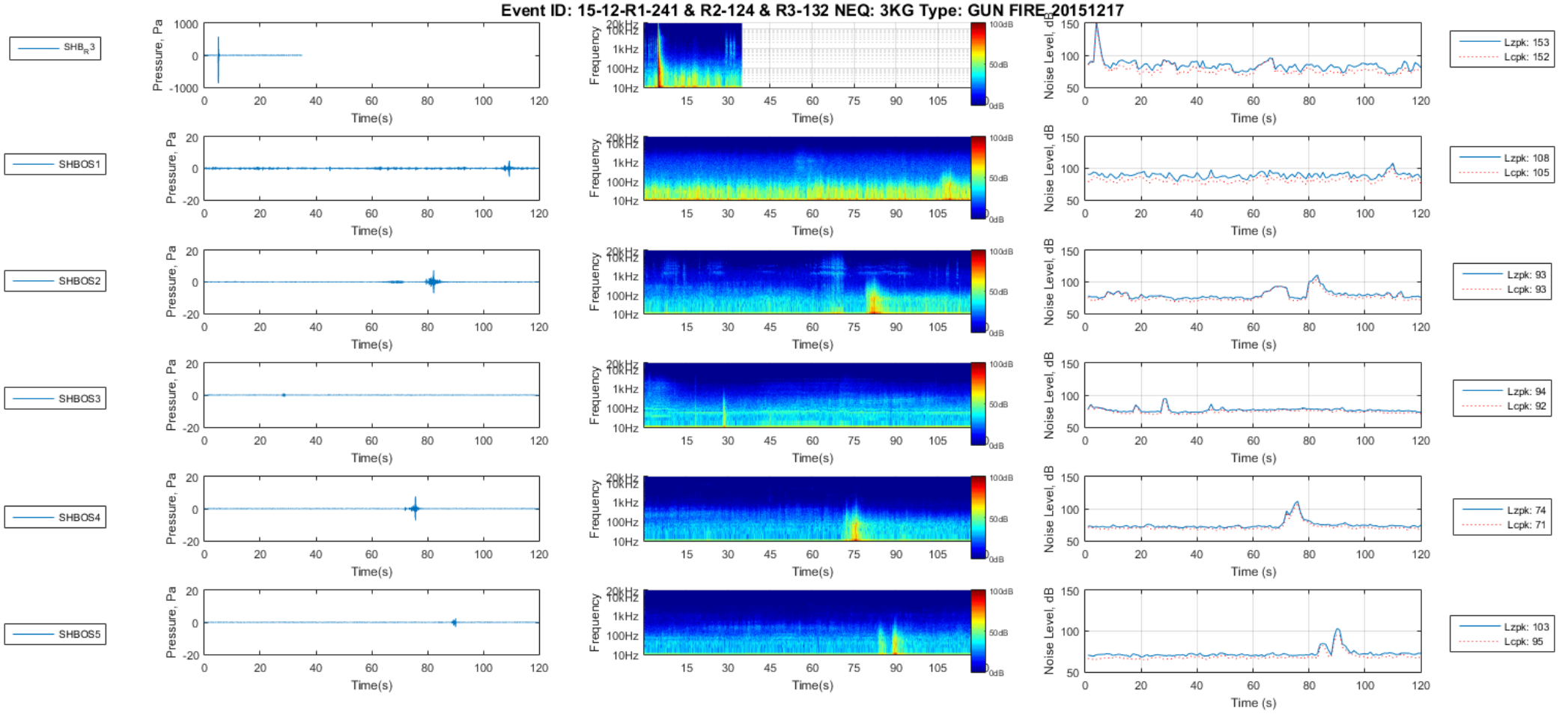


FIGURE 2.2121: SHB_OS 1 - 5 15-12-R1-241 & R2-124 & R3-132

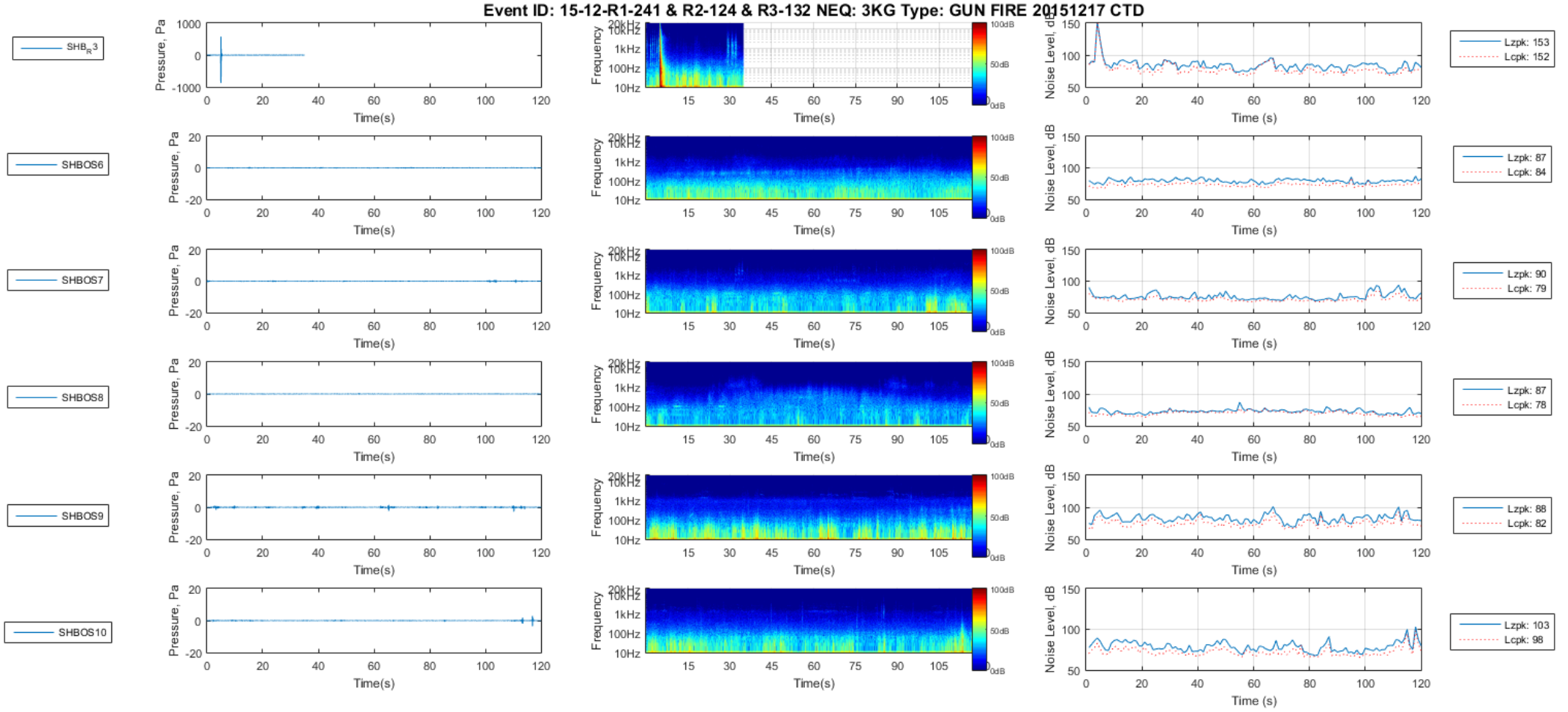


FIGURE 2.2122: SHB_OS 6 - 10 15-12-R1-241 & R2-124 & R3-132

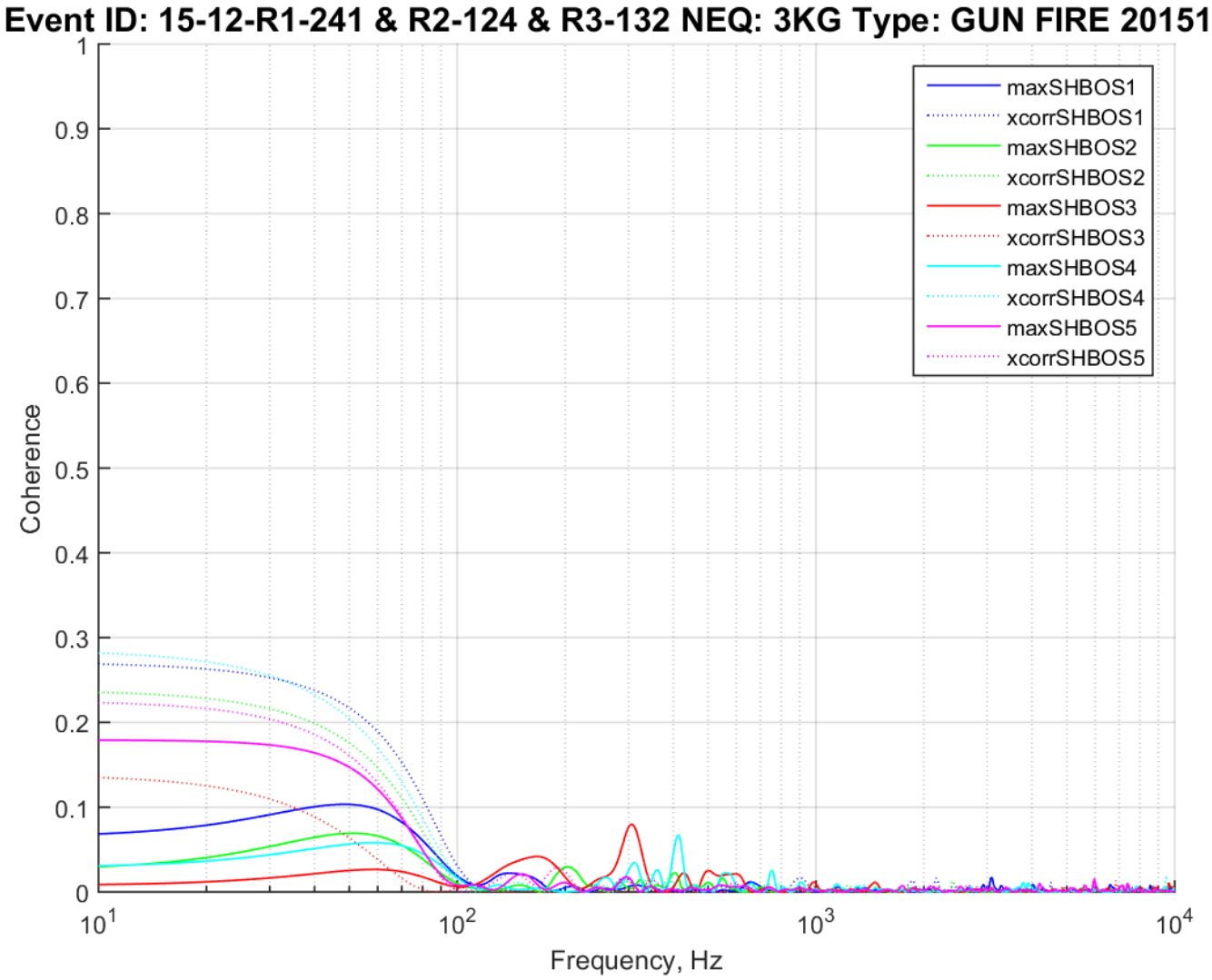


FIGURE 2.2123: COHERENCE SHB_OS 1 - 5 15-12-R1-241 & R2-124 & R3-132

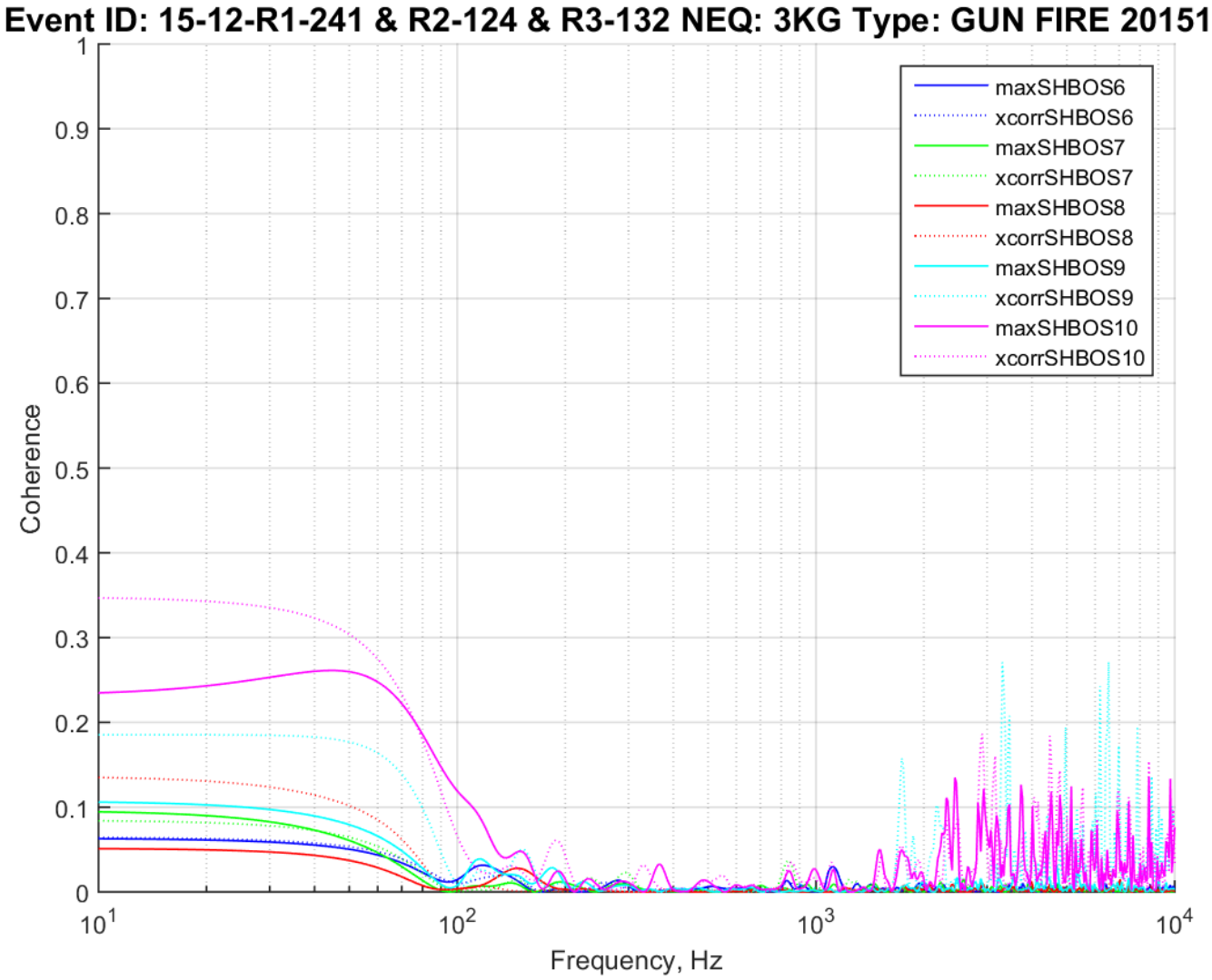


FIGURE 2.2124: COHERENCE SHB_OS 6 - 10 15-12-R1-241 & R2-124 & R3-132CTD

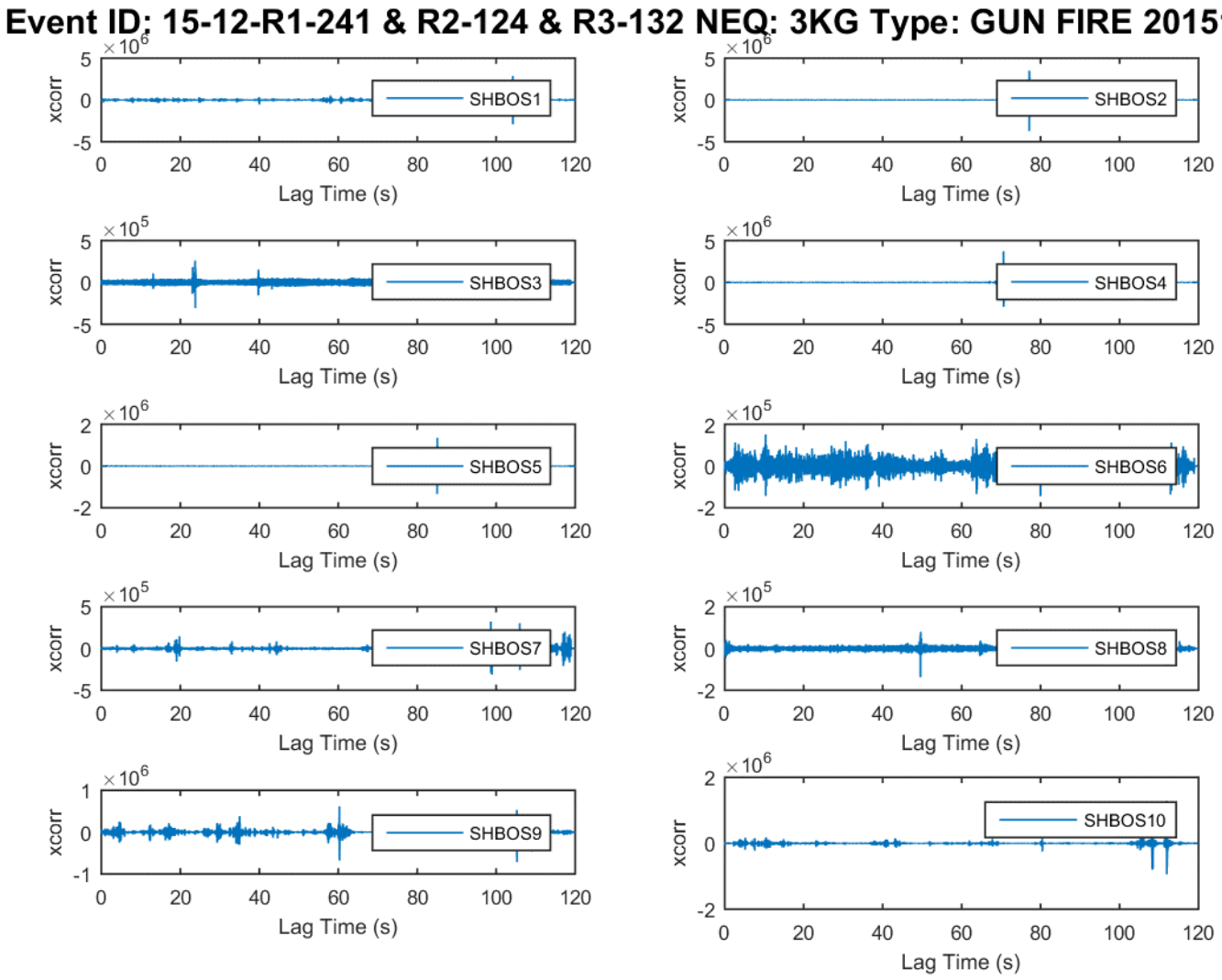


FIGURE 2.2125: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-241 & R2-124 & R3-132

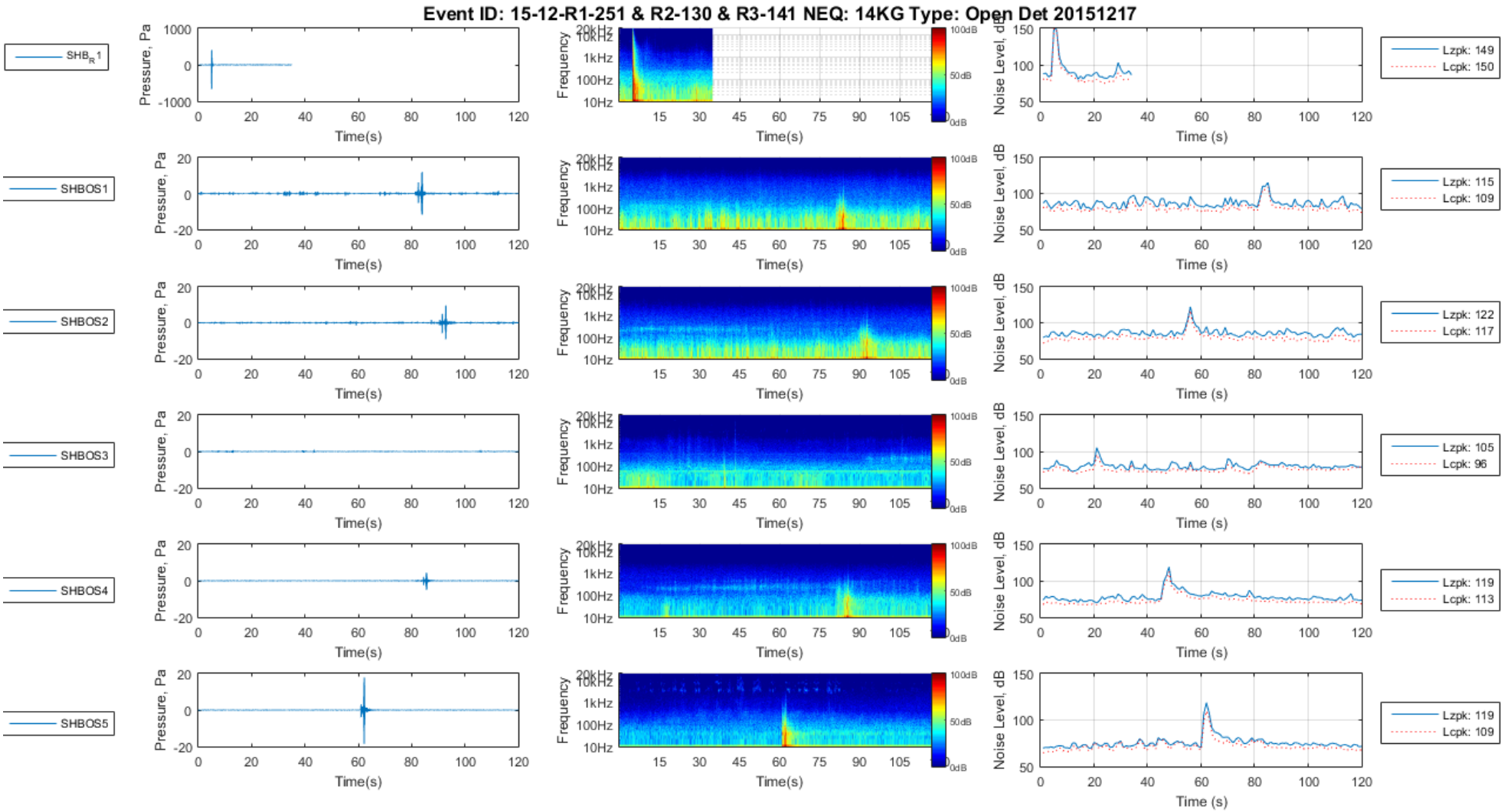


FIGURE 2.2126: SHB_OS 1 - 5 15-12-R1-251 & R2-130 & R3-141

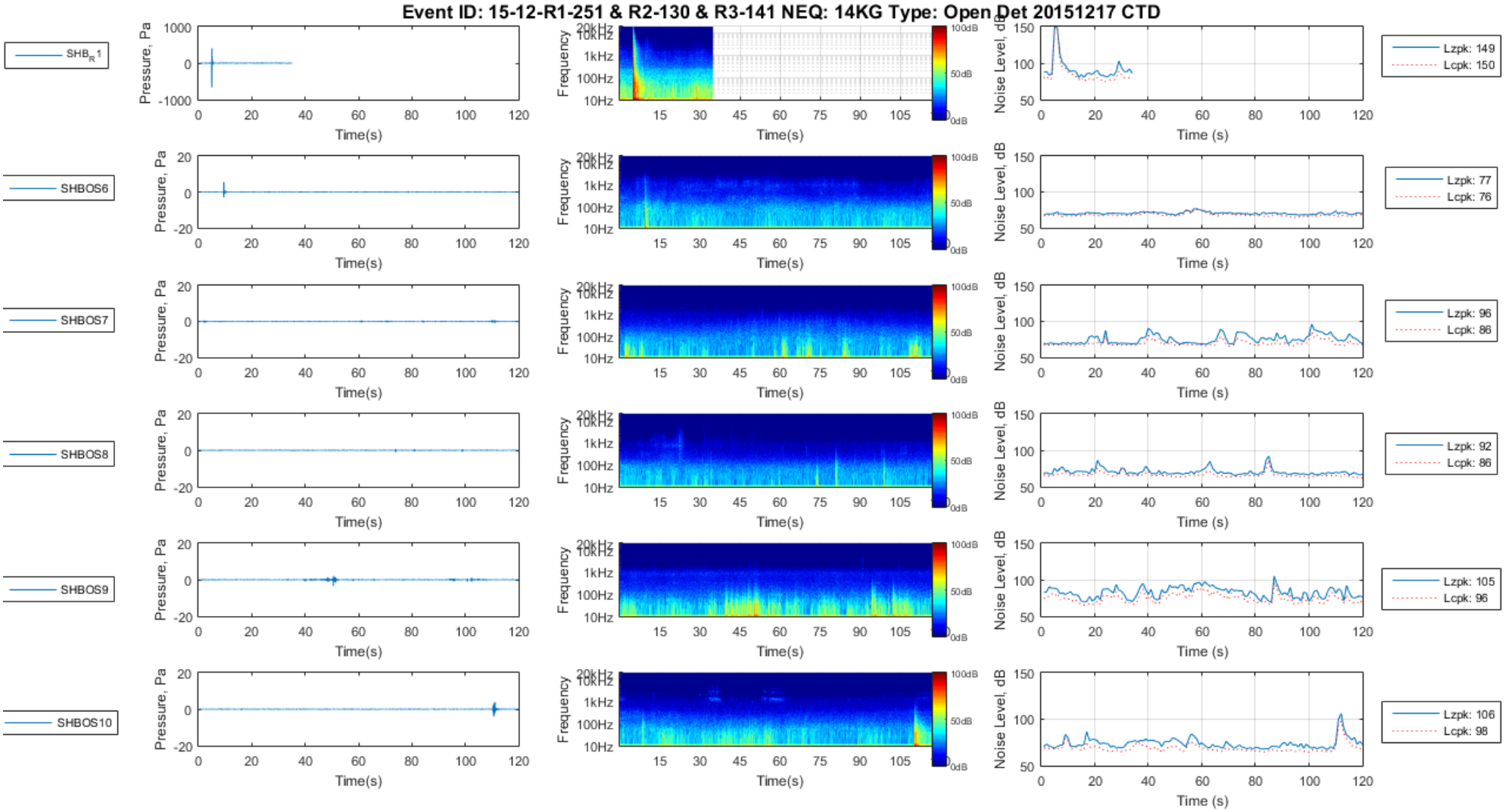


FIGURE 2.2127: SHB_OS 6 - 10 15-12-R1-251 & R2-130 & R3-141

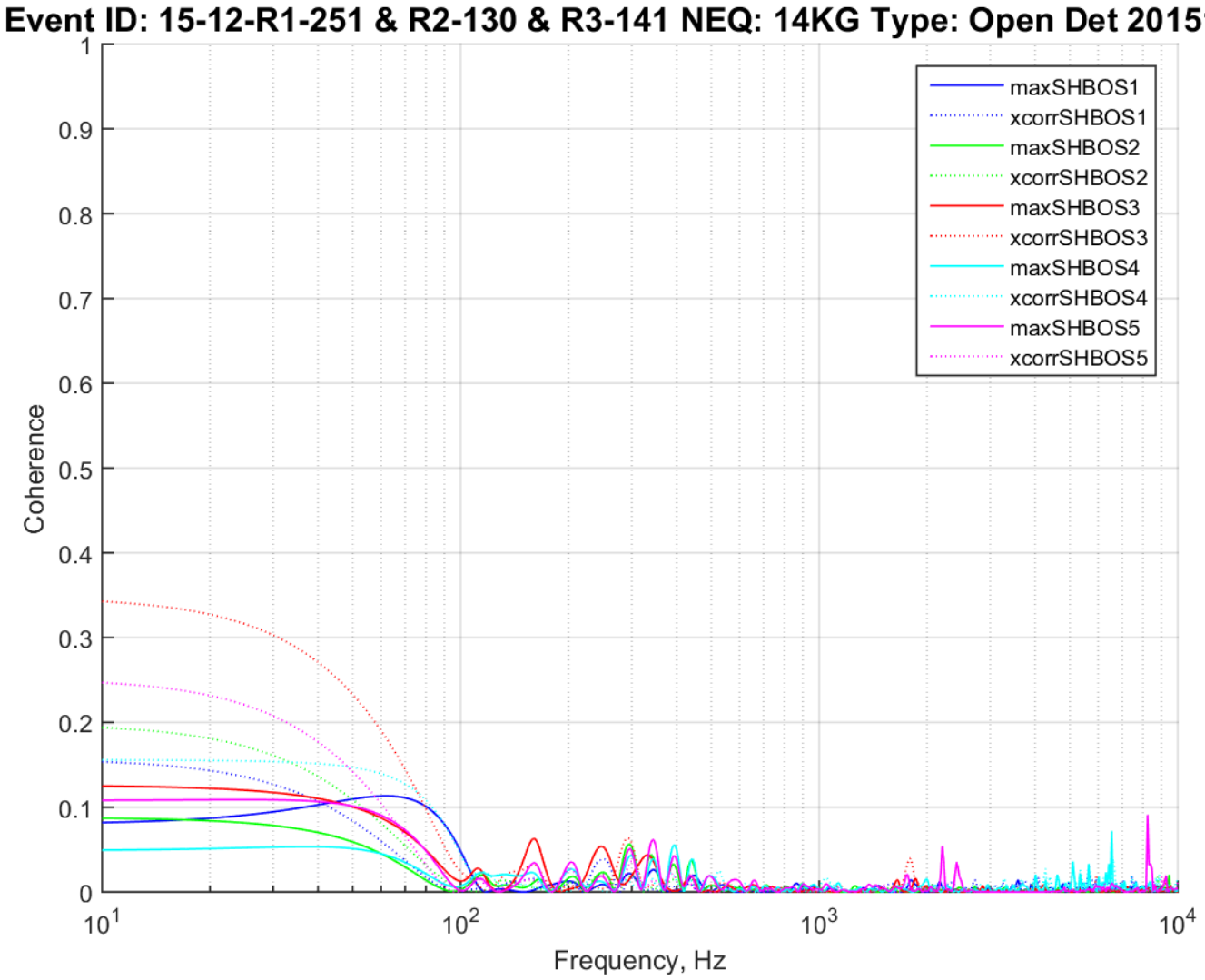


FIGURE 2.2128: COHERENCE SHB_OS 1 - 5 15-12-R1-251 & R2-130 & R3-141

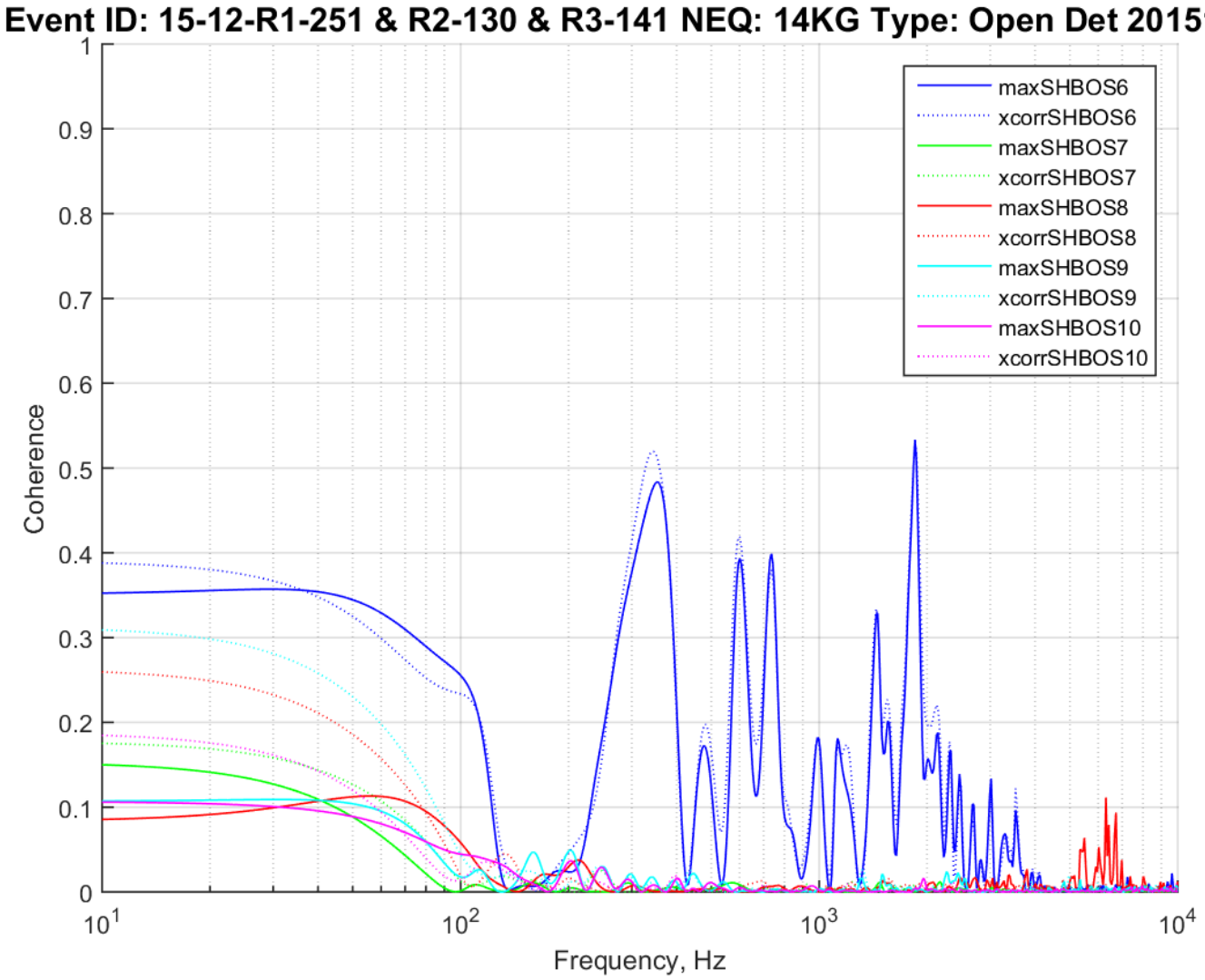


FIGURE 2.2129: COHERENCE SHB_OS 6 - 10 15-12-R1-251 & R2-130 & R3-141CTD

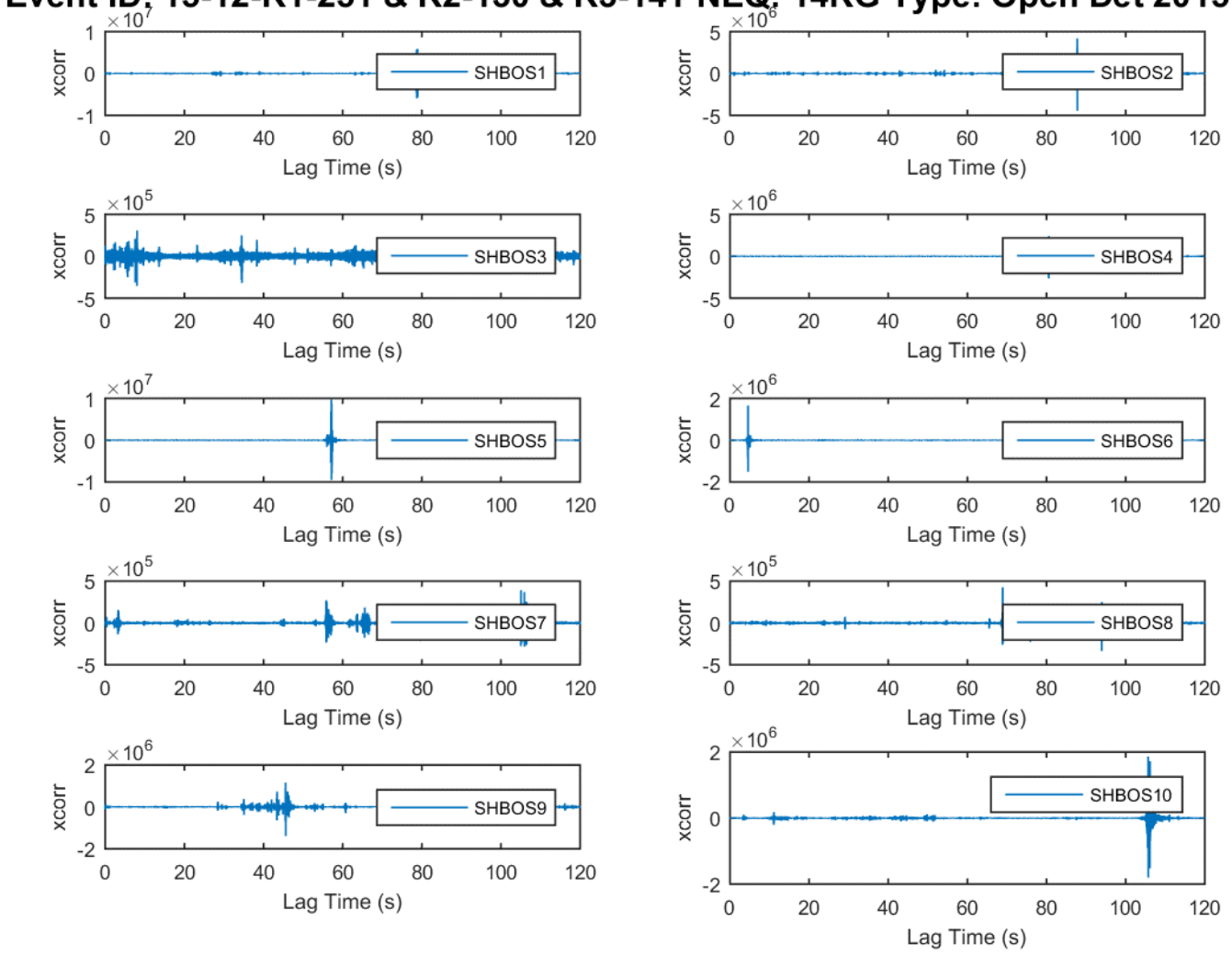


FIGURE 2.2130: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-251 & R2-130 & R3-141

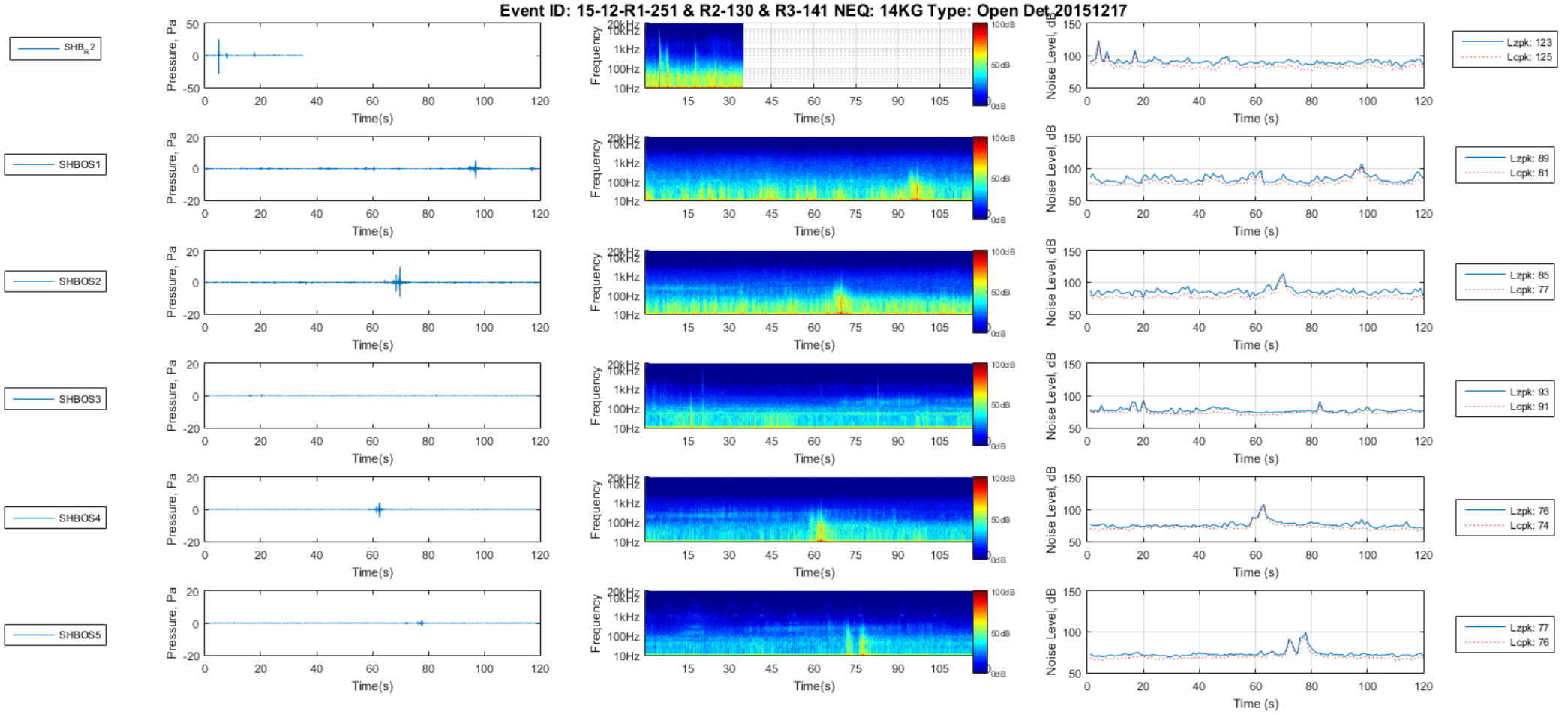


FIGURE 2.2131: SHB_OS 1 - 5 15-12-R1-251 & R2-130 & R3-141

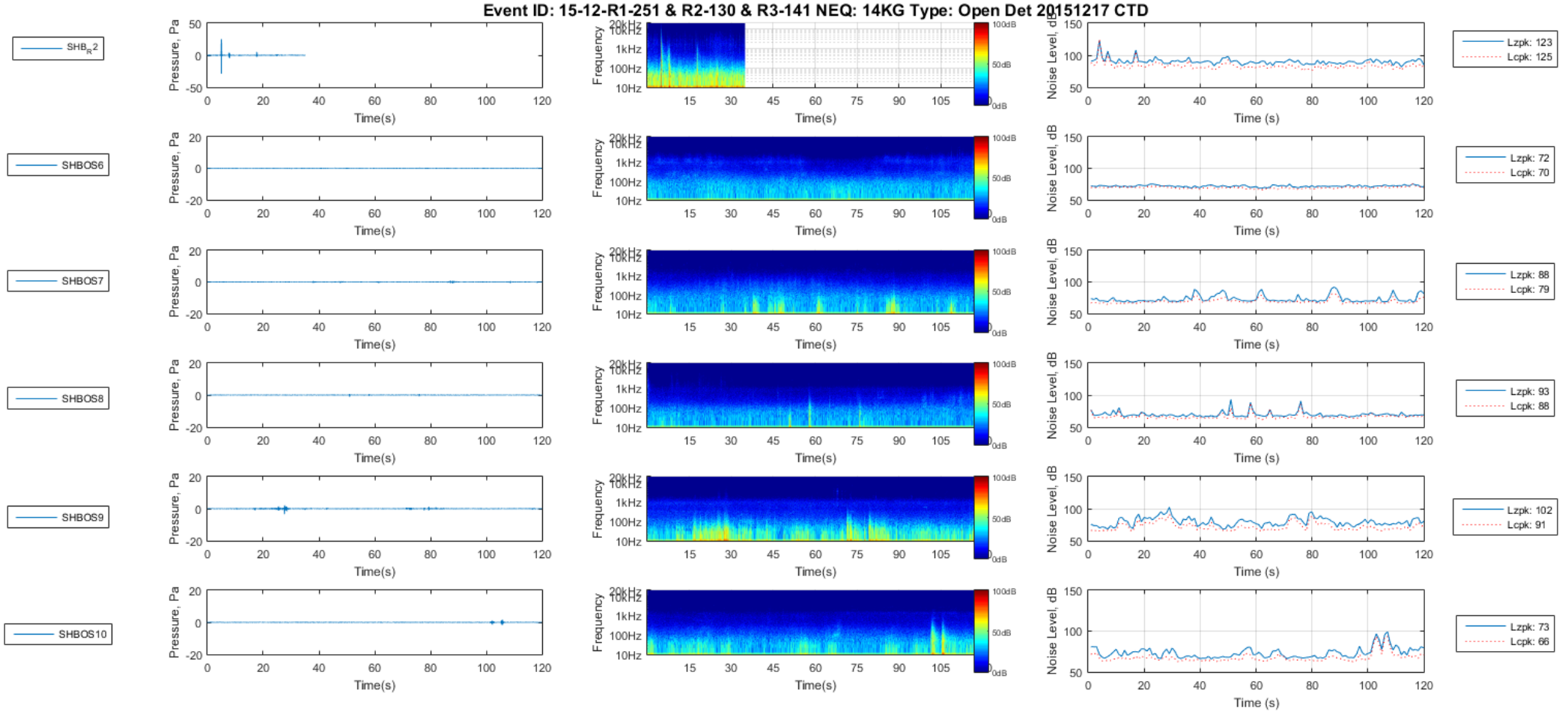


FIGURE 2.2132: SHB_OS 6 - 10 15-12-R1-251 & R2-130 & R3-141

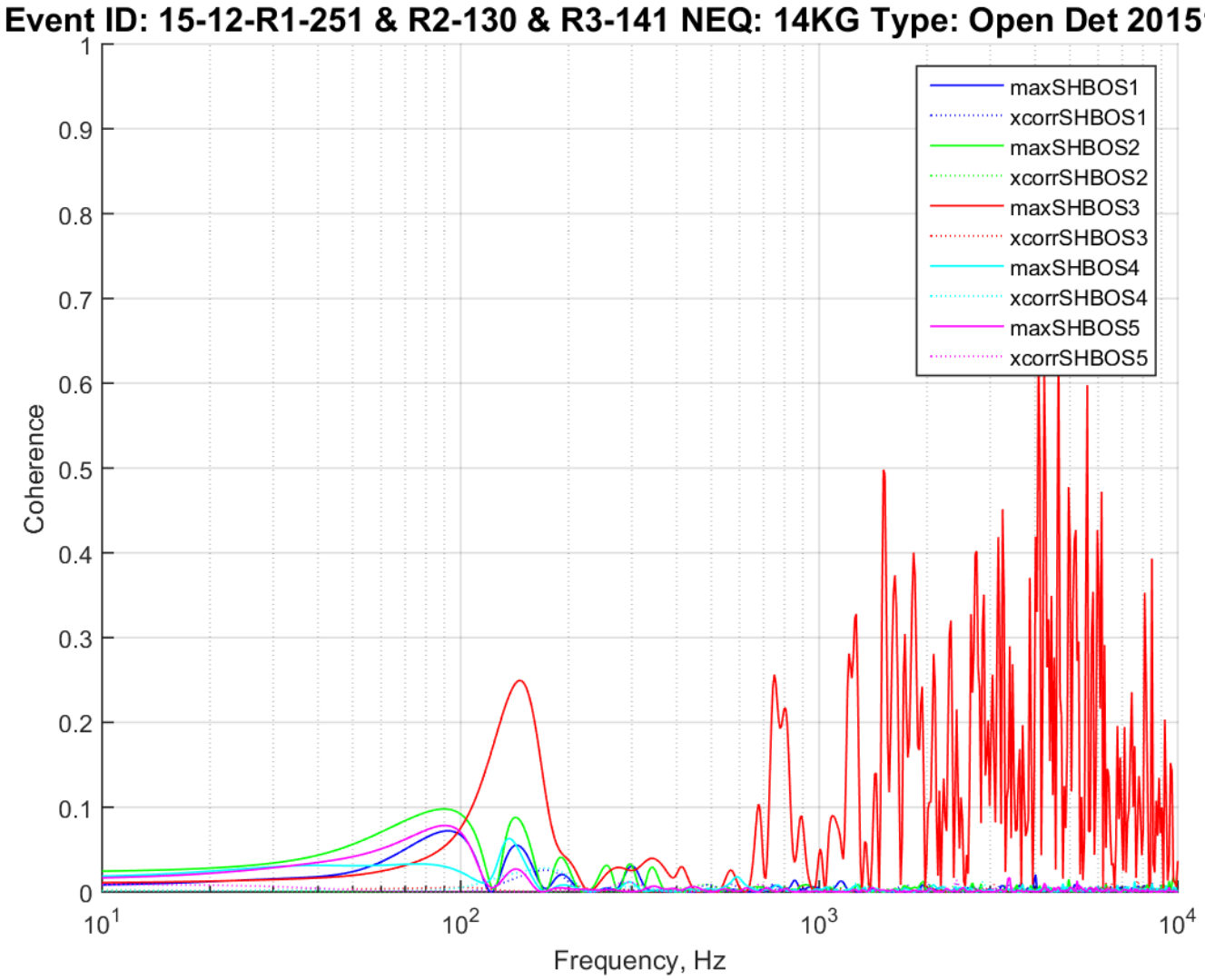


FIGURE 2.2133: COHERENCE SHB_OS 1 - 5 15-12-R1-251 & R2-130 & R3-141

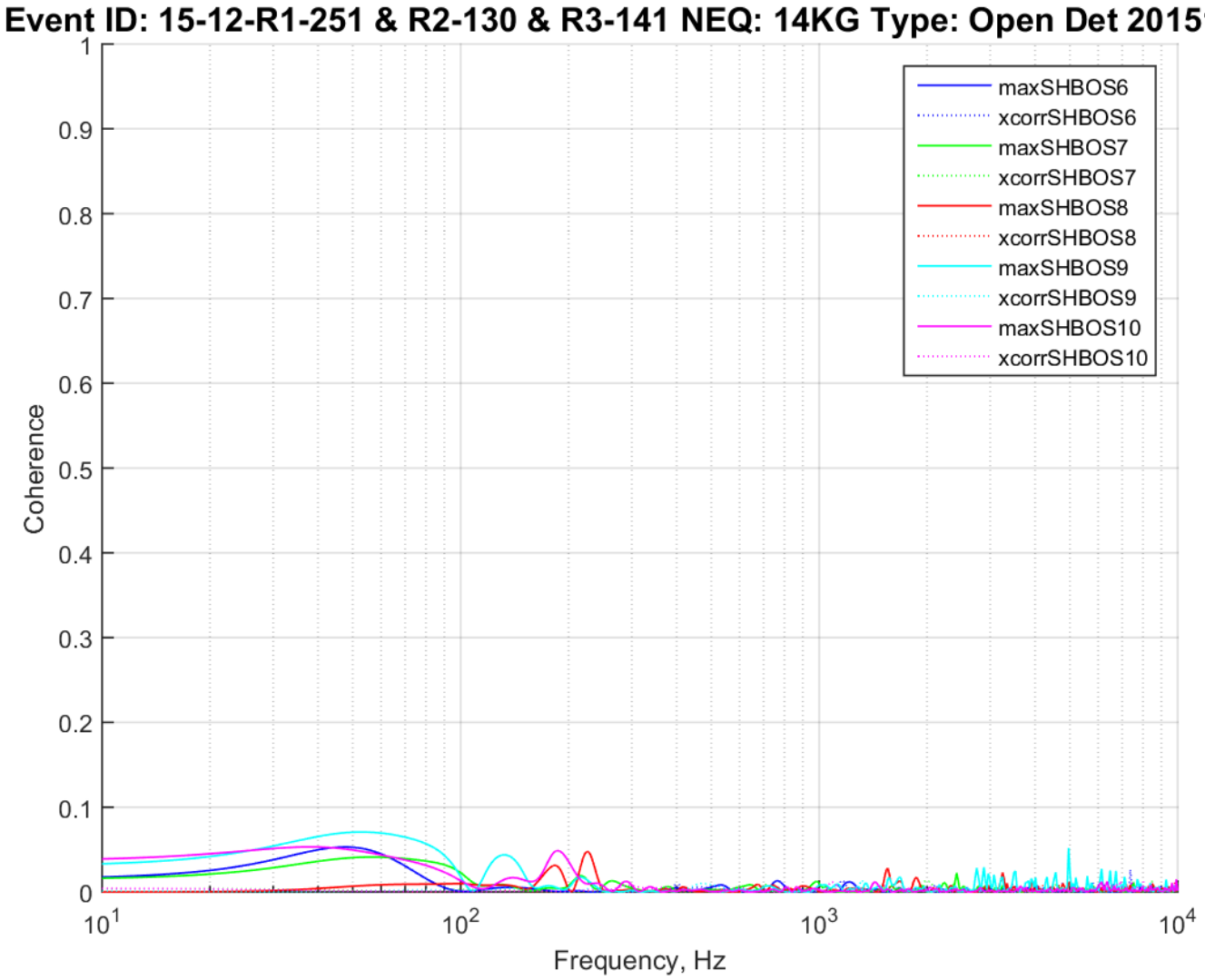


FIGURE 2.2134: COHERENCE SHB_OS 6 - 10 15-12-R1-251 & R2-130 & R3-141CTD

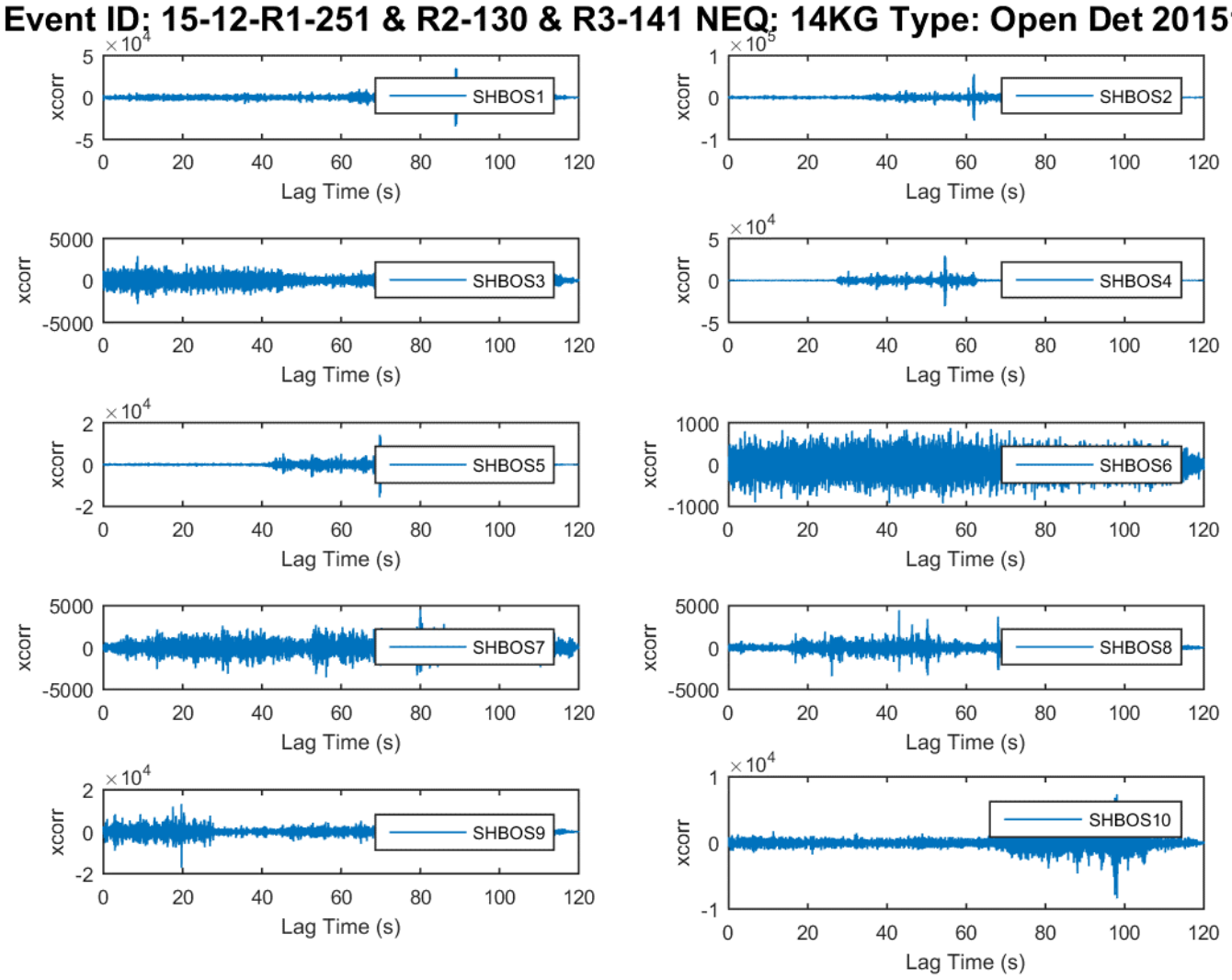


FIGURE 2.2135: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-251 & R2-130 & R3-141

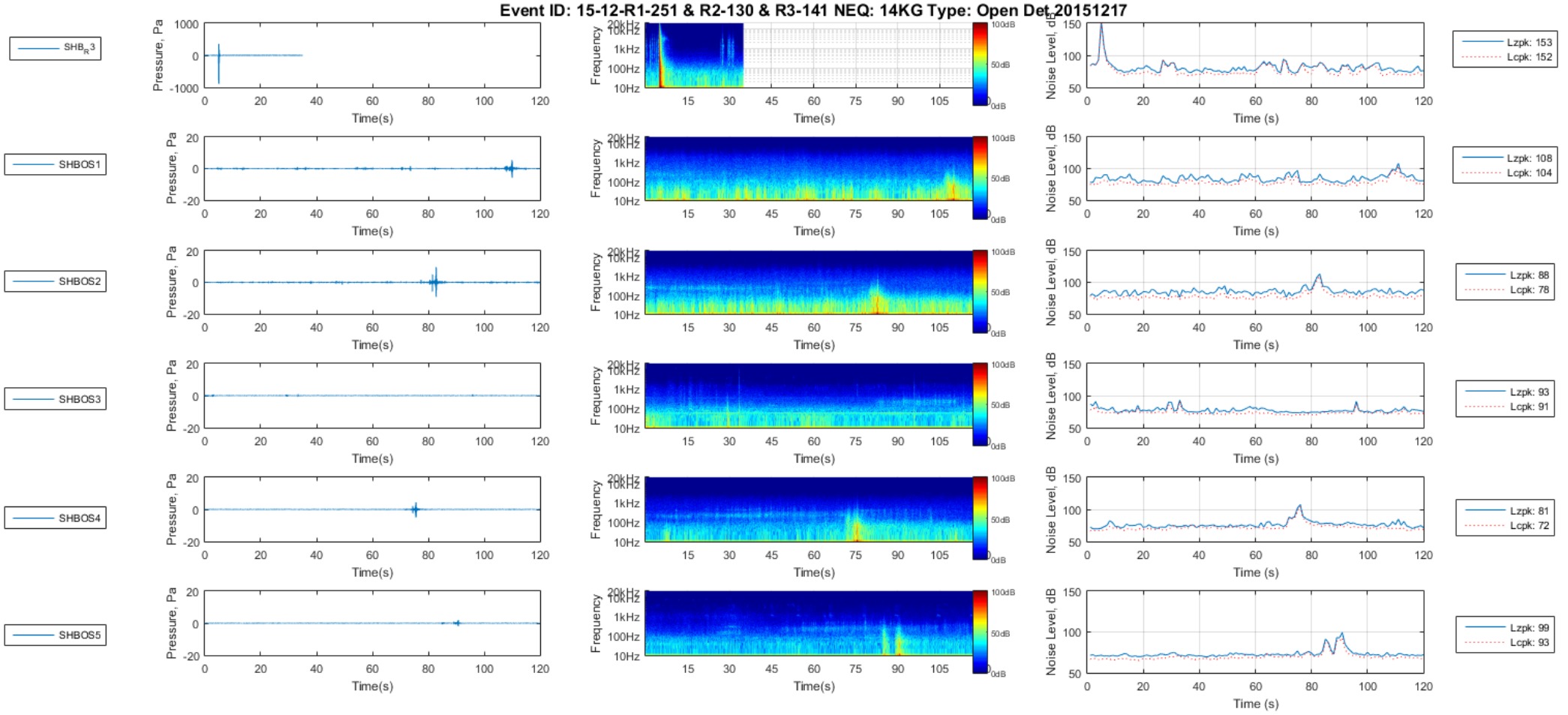


FIGURE 2.2136: SHB_OS 1 - 5 15-12-R1-251 & R2-130 & R3-141

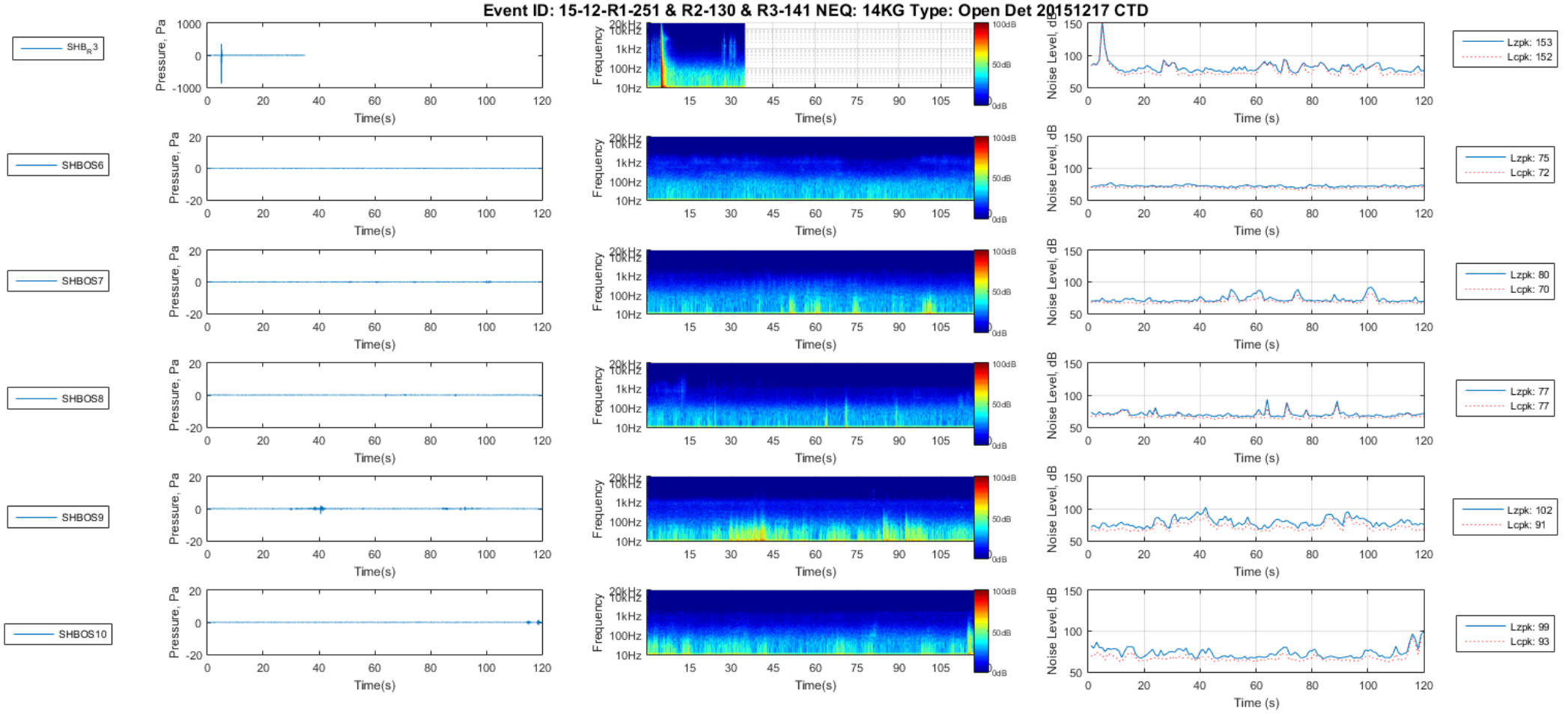


FIGURE 2.2137: SHB_OS 6 - 10 15-12-R1-251 & R2-130 & R3-141

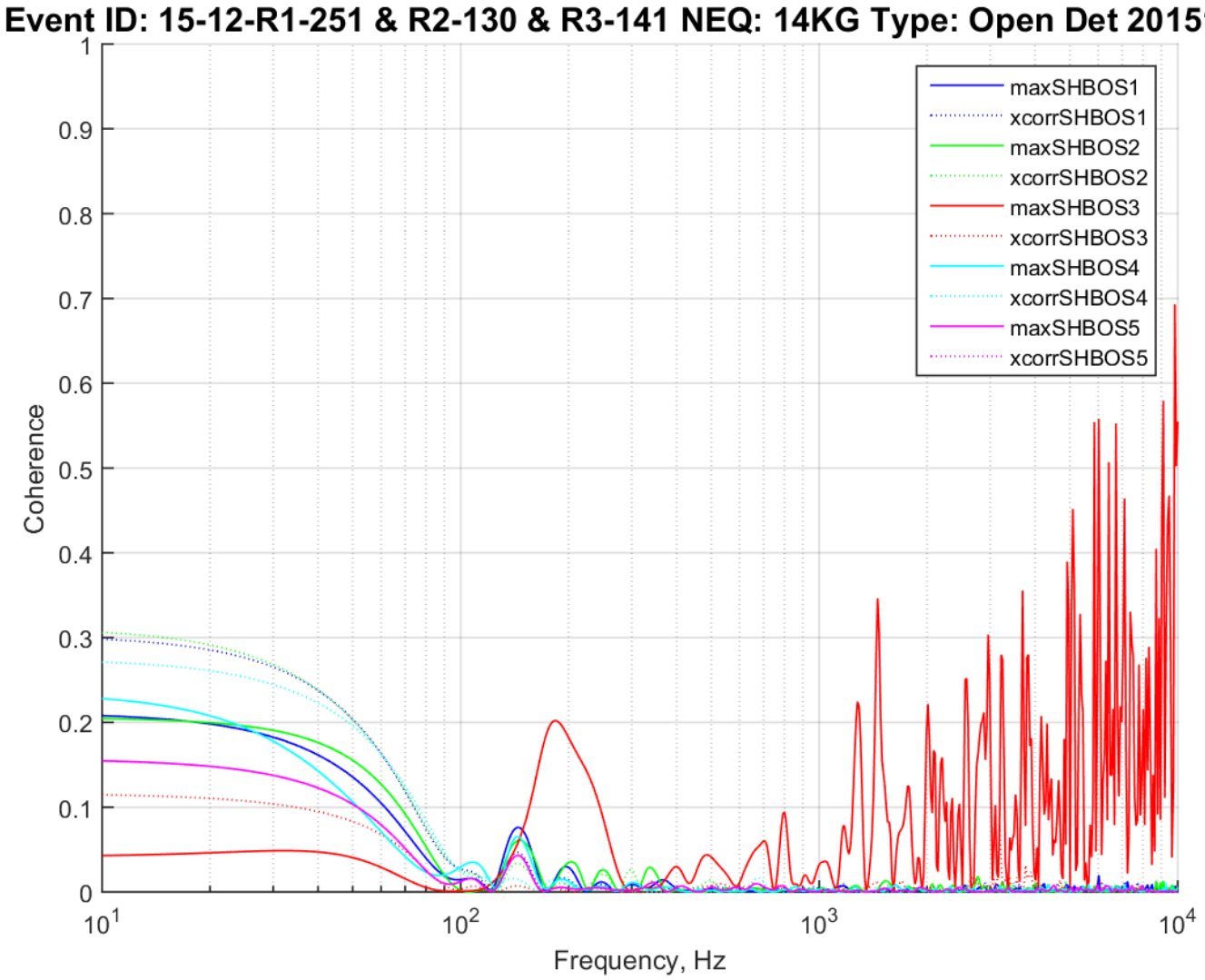


FIGURE 2.2138: COHERENCE SHB_OS 1 - 5 15-12-R1-251 & R2-130 & R3-141

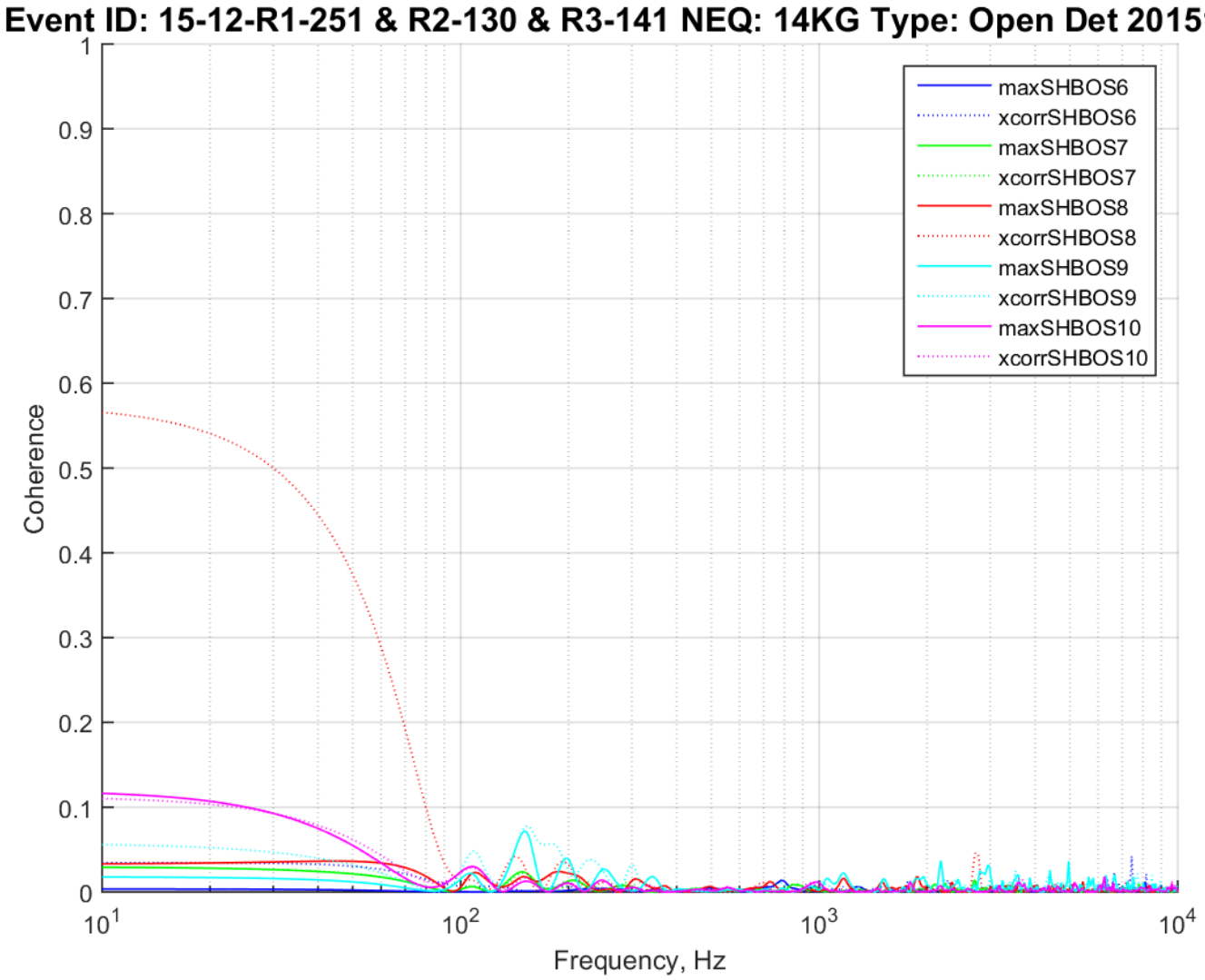


FIGURE 2.2139: COHERENCE SHB_OS 6 - 10 15-12-R1-251 & R2-130 & R3-141CTD

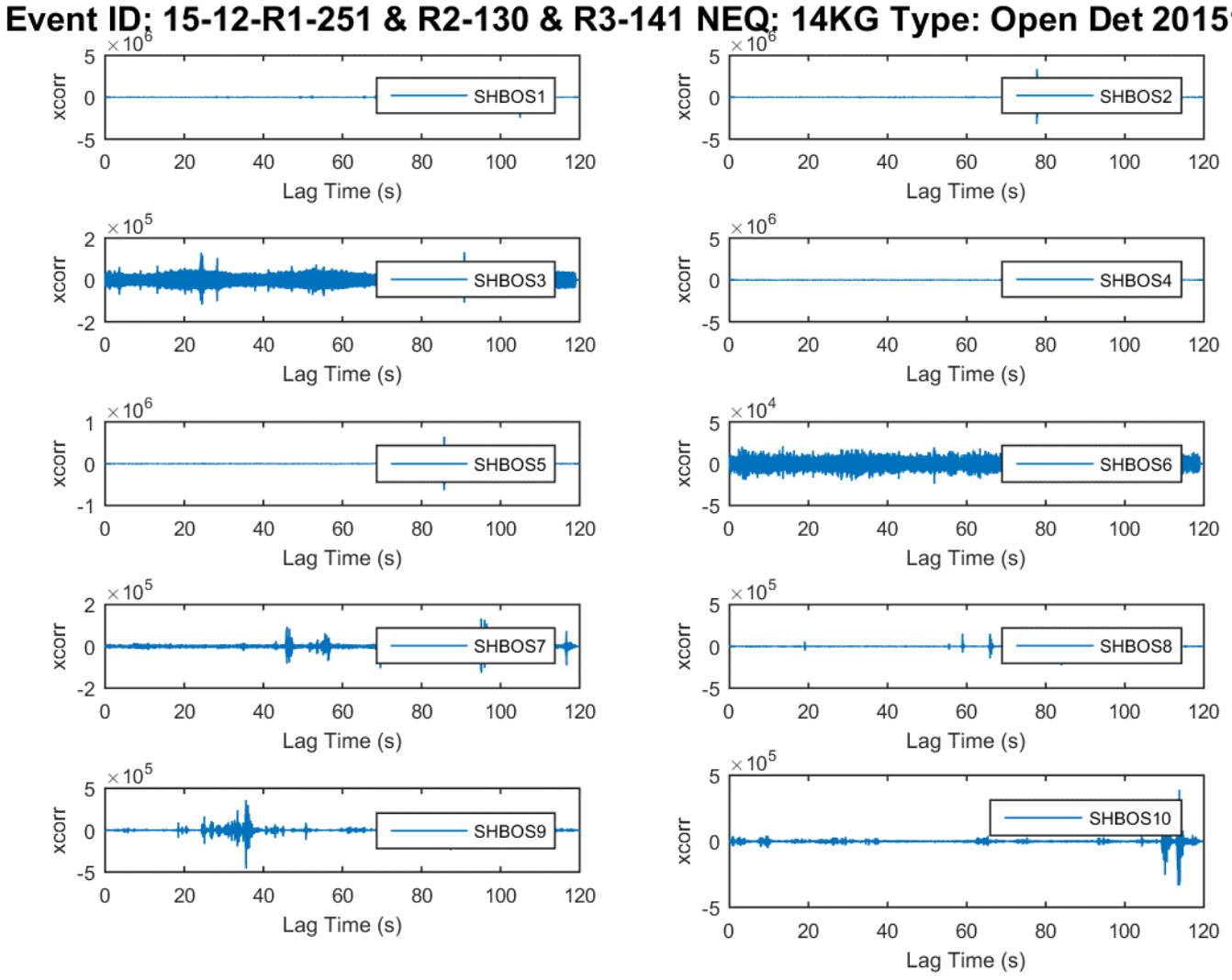


FIGURE 2.2140: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-251 & R2-130 & R3-141

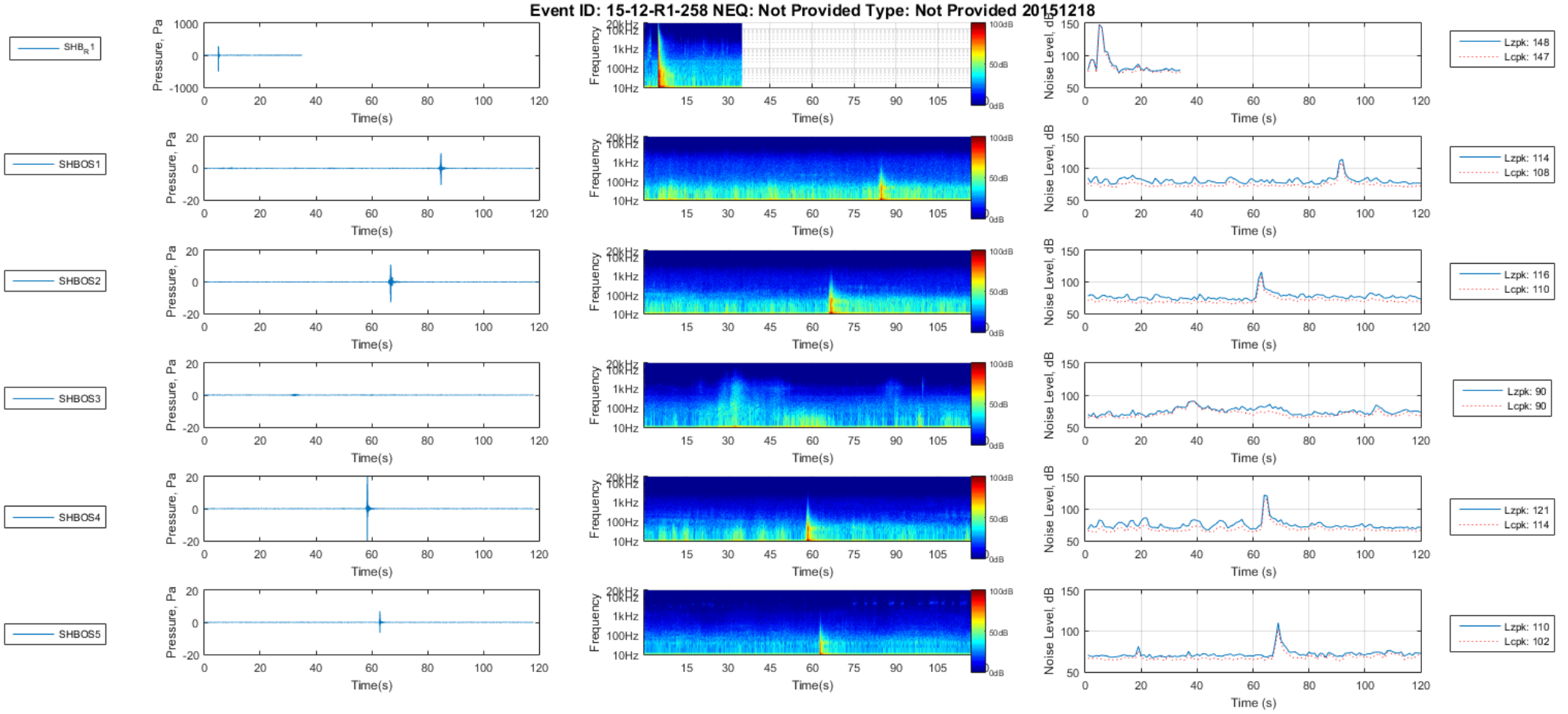


FIGURE 2.2141: SHB_OS 1 - 5 15-12-R1-258

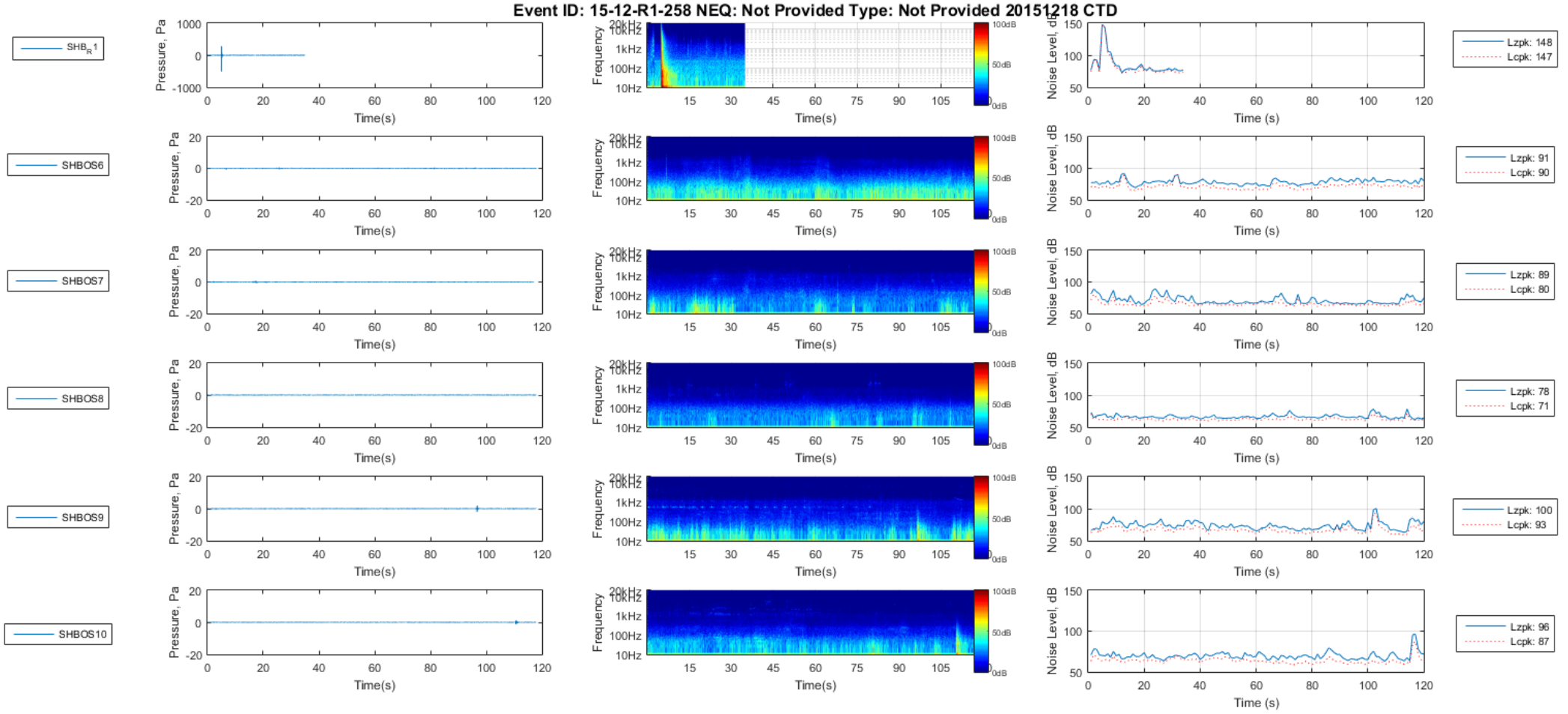


FIGURE 2.2142: SHB_OS 6 - 10 15-12-R1-258

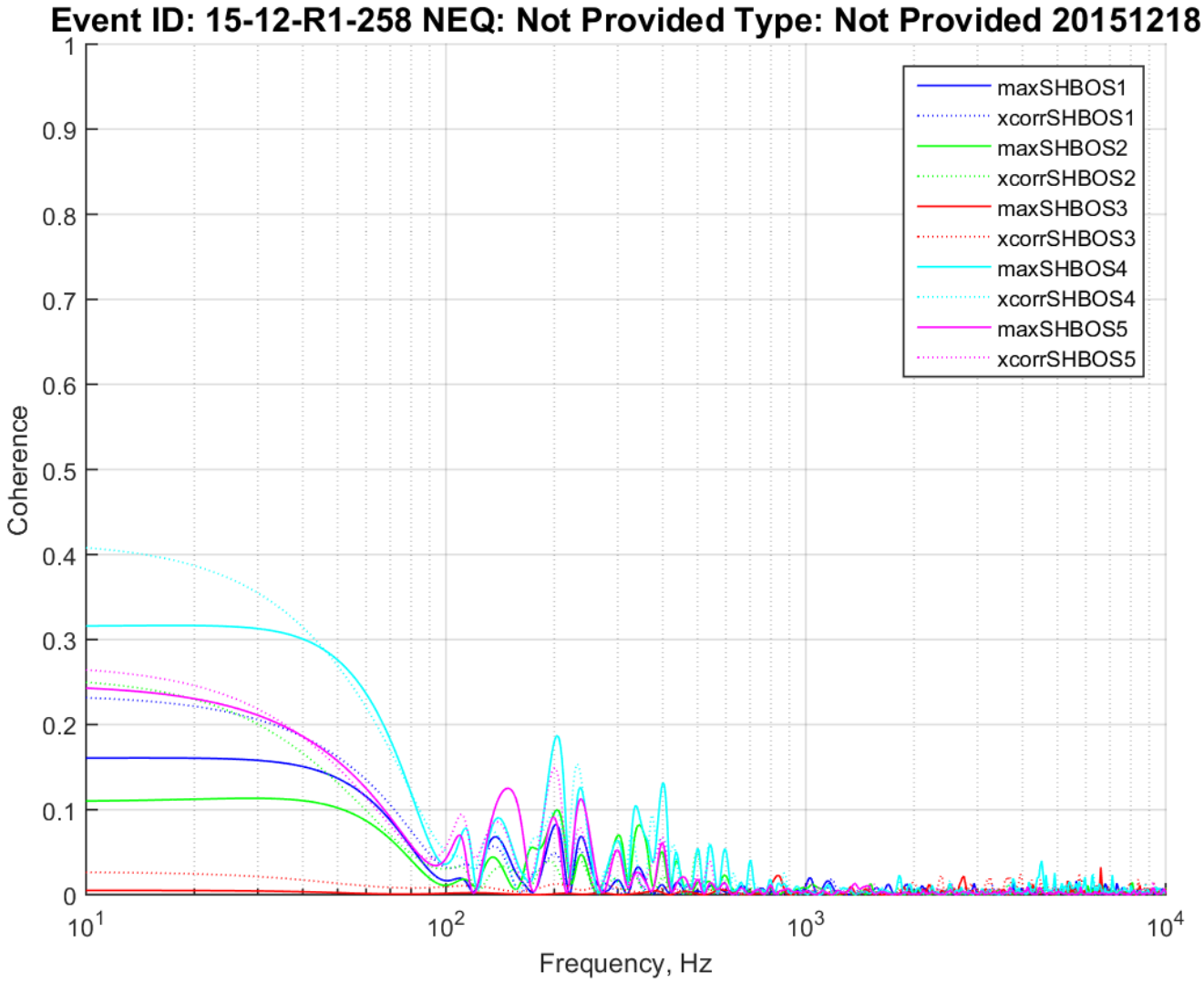


FIGURE 2.2143: COHERENCE SHB_OS 1 - 5 15-12-R1-258

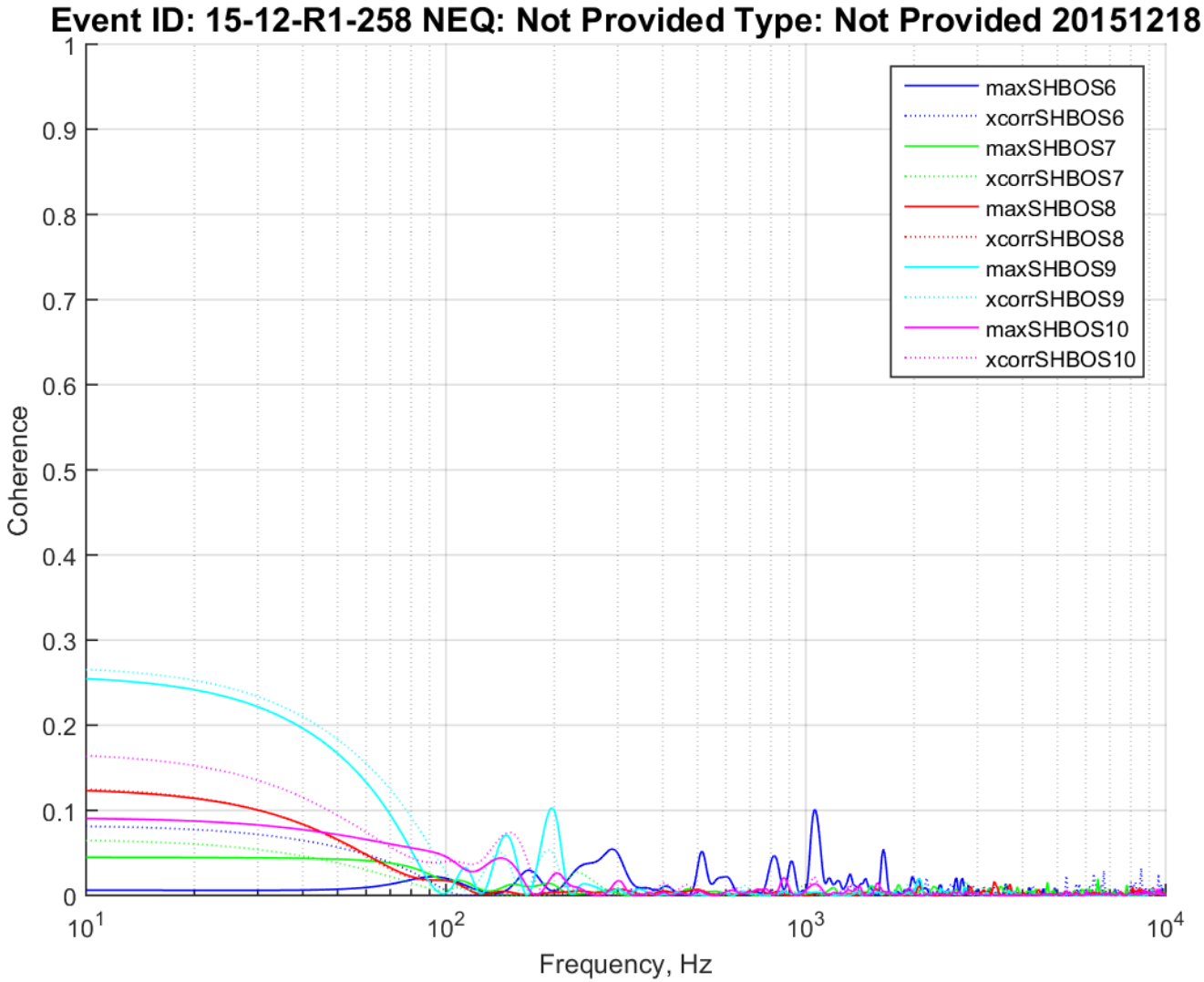


FIGURE 2.2144: COHERENCE SHB_OS 6 - 10 15-12-R1-258CTD

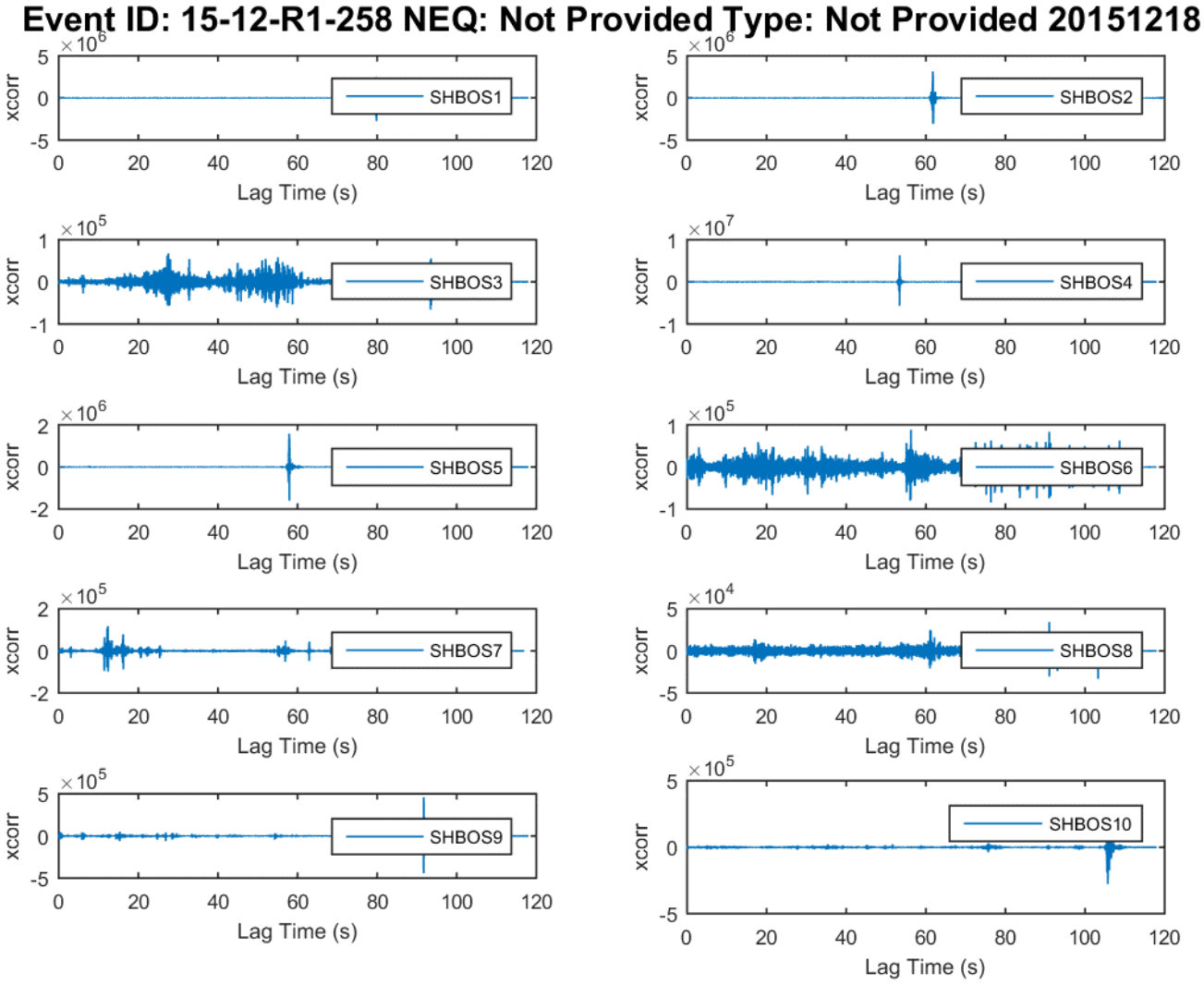


FIGURE 2.2145: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-258

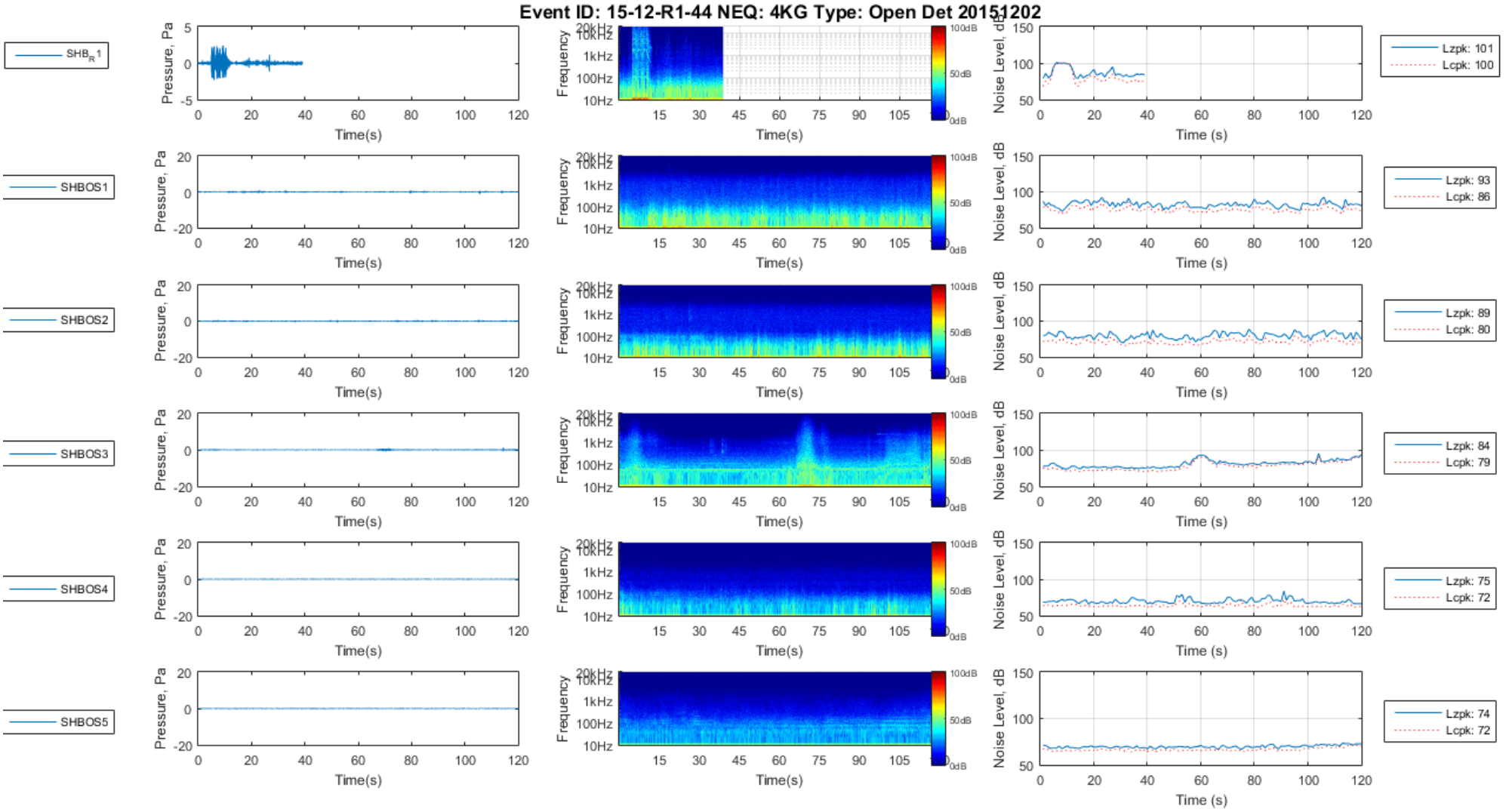


FIGURE 2.2146: SHB_OS 1 - 5 15-12-R1-44

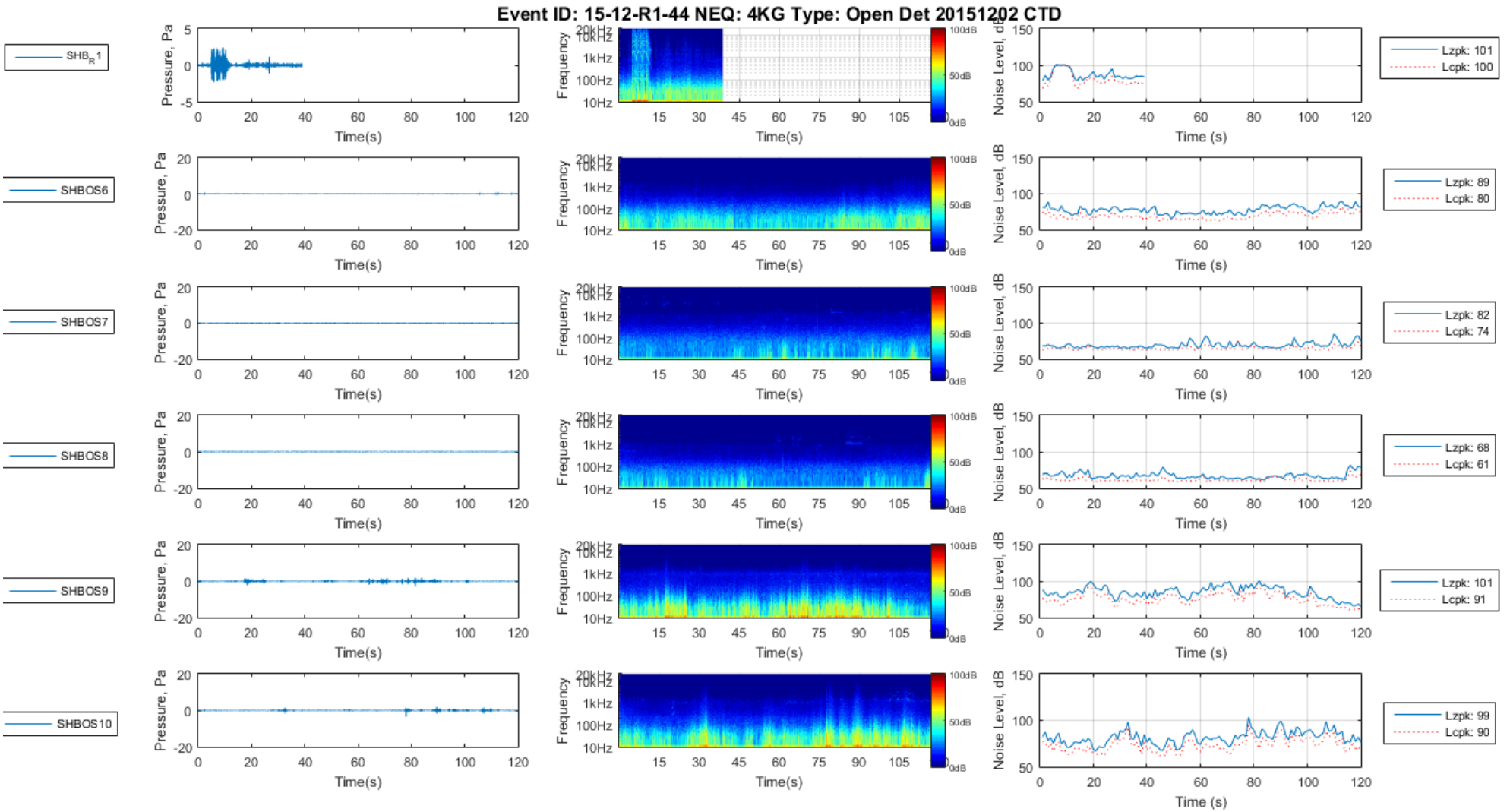


FIGURE 2.2147: SHB_OS 6 - 10 15-12-R1-44

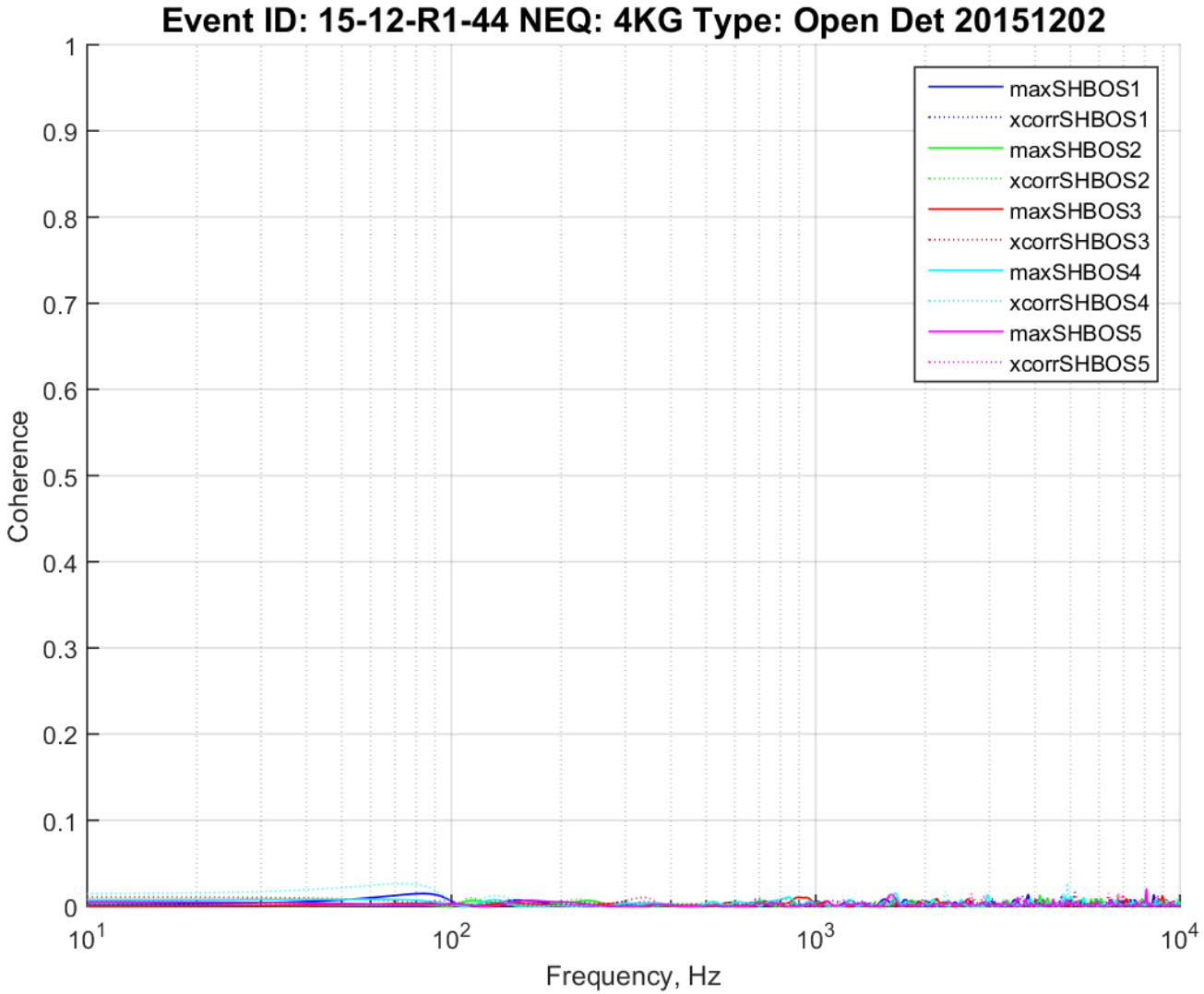


FIGURE 2.2148: COHERENCE SHB_OS 1 - 5 15-12-R1-44

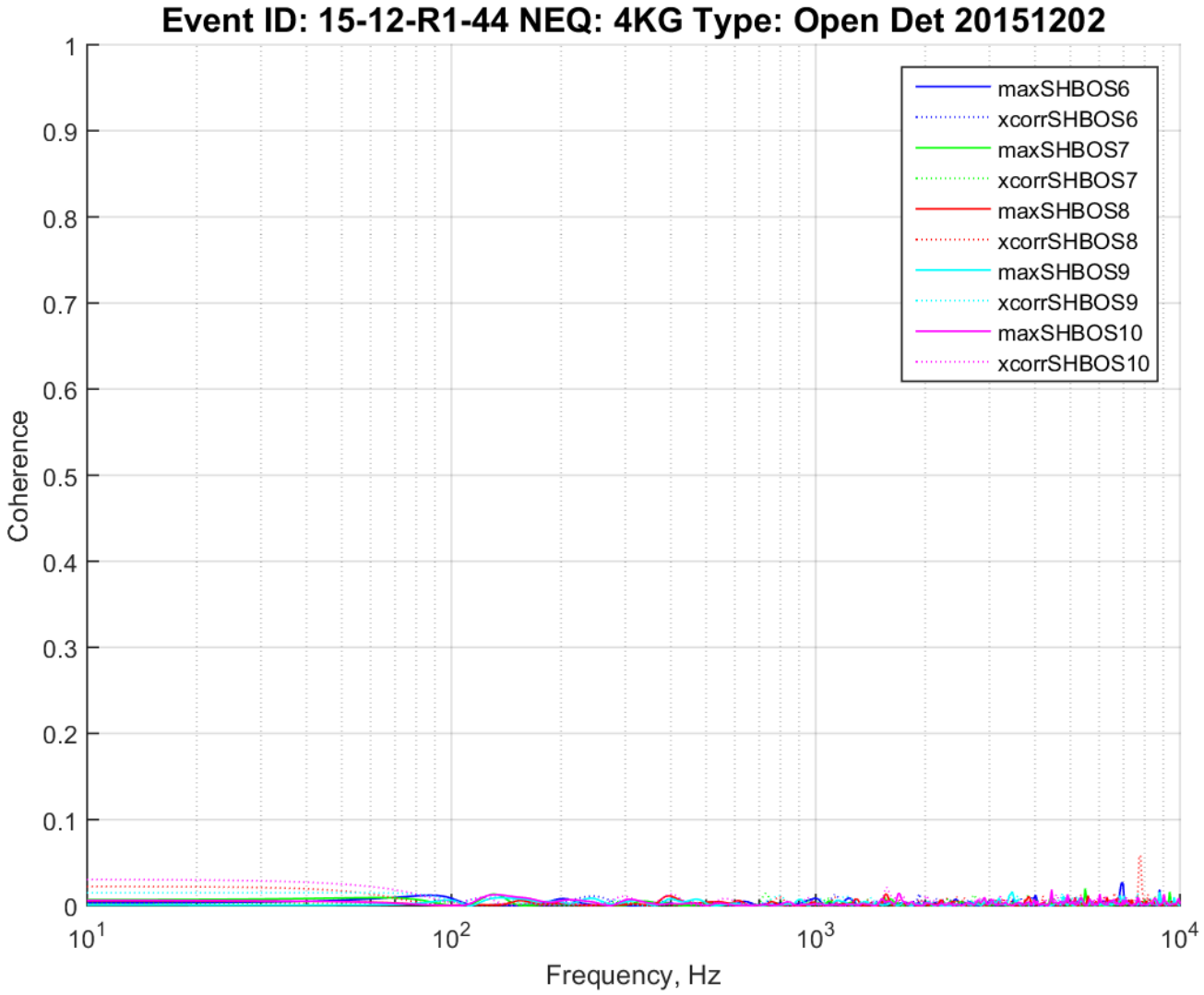


FIGURE 2.2149: COHERENCE SHB_OS 6 - 10 15-12-R1-44CTD

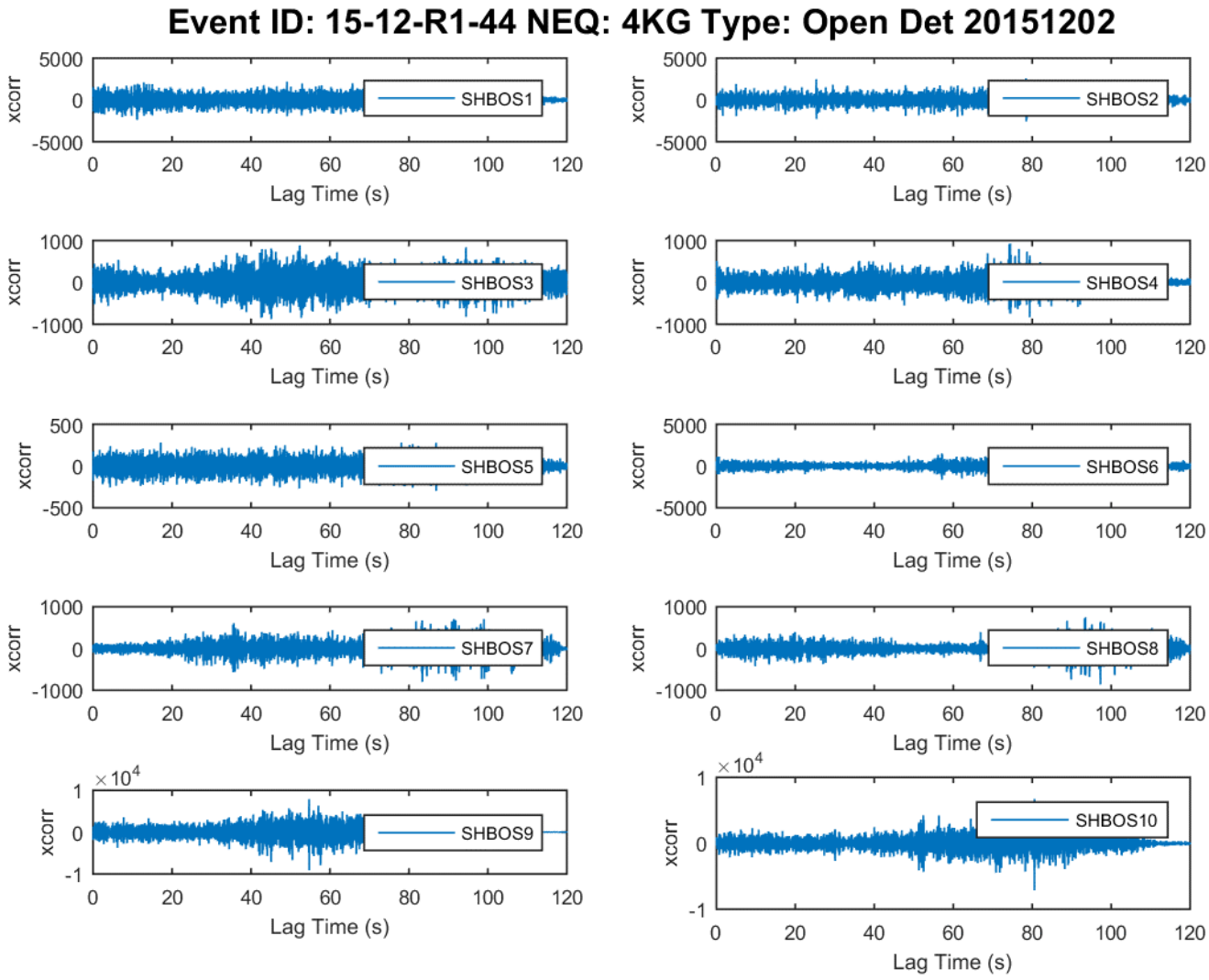


FIGURE 2.2150: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-44

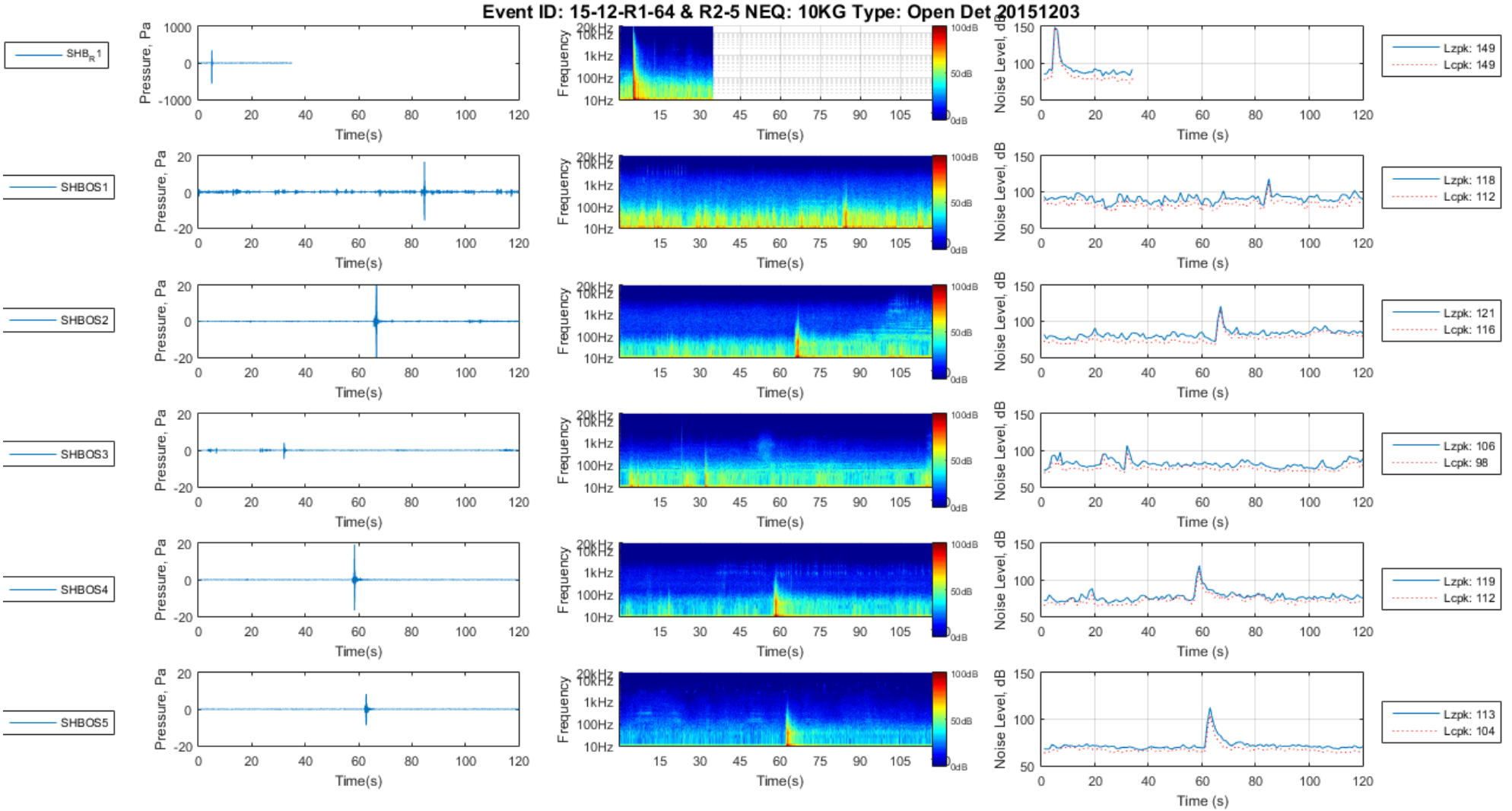


FIGURE 2.2151: SHB_OS 1 - 5 15-12-R1-64 & R2-5

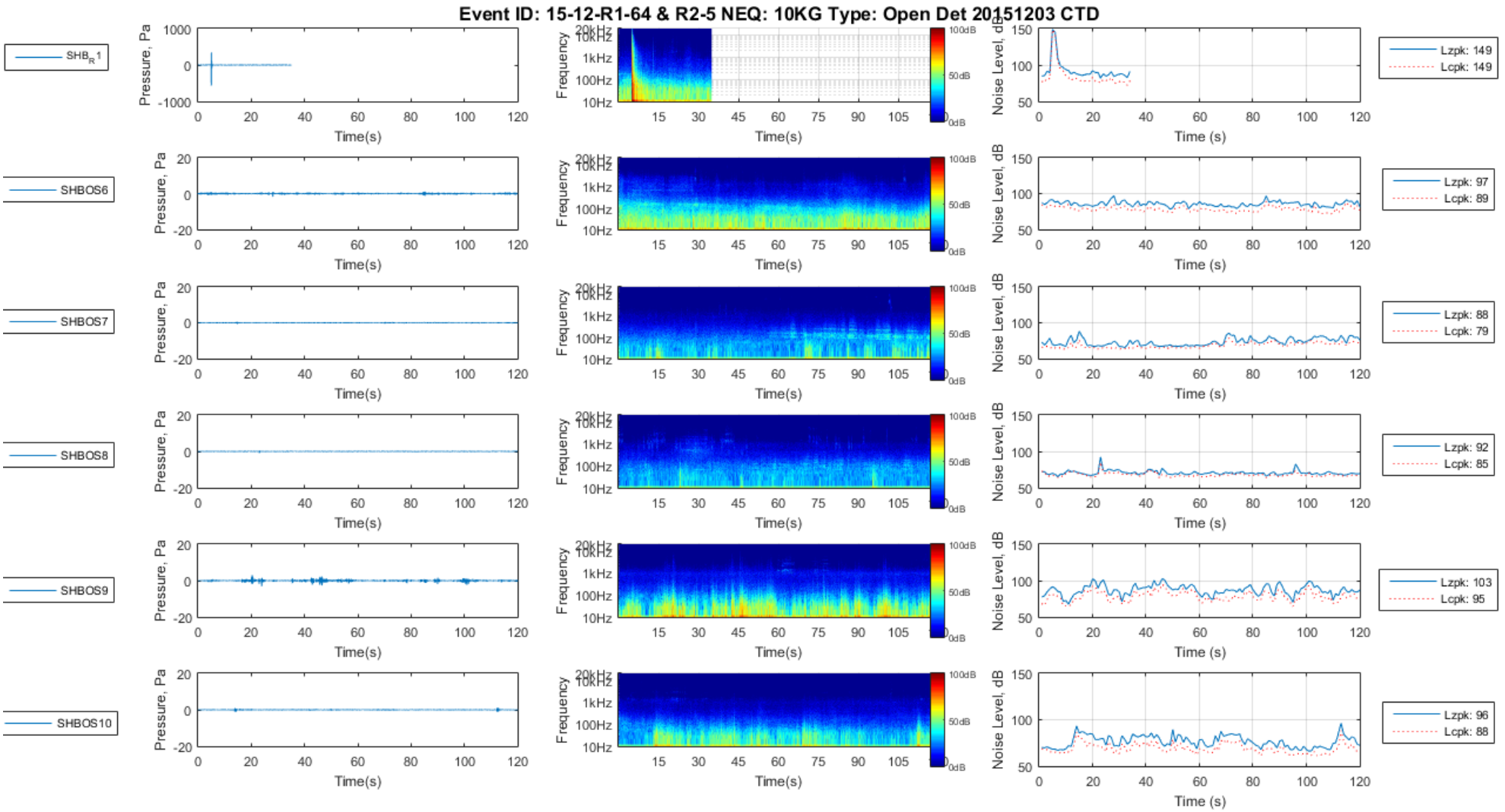


FIGURE 2.2152: SHB_OS 6 - 10 15-12-R1-64 & R2-5

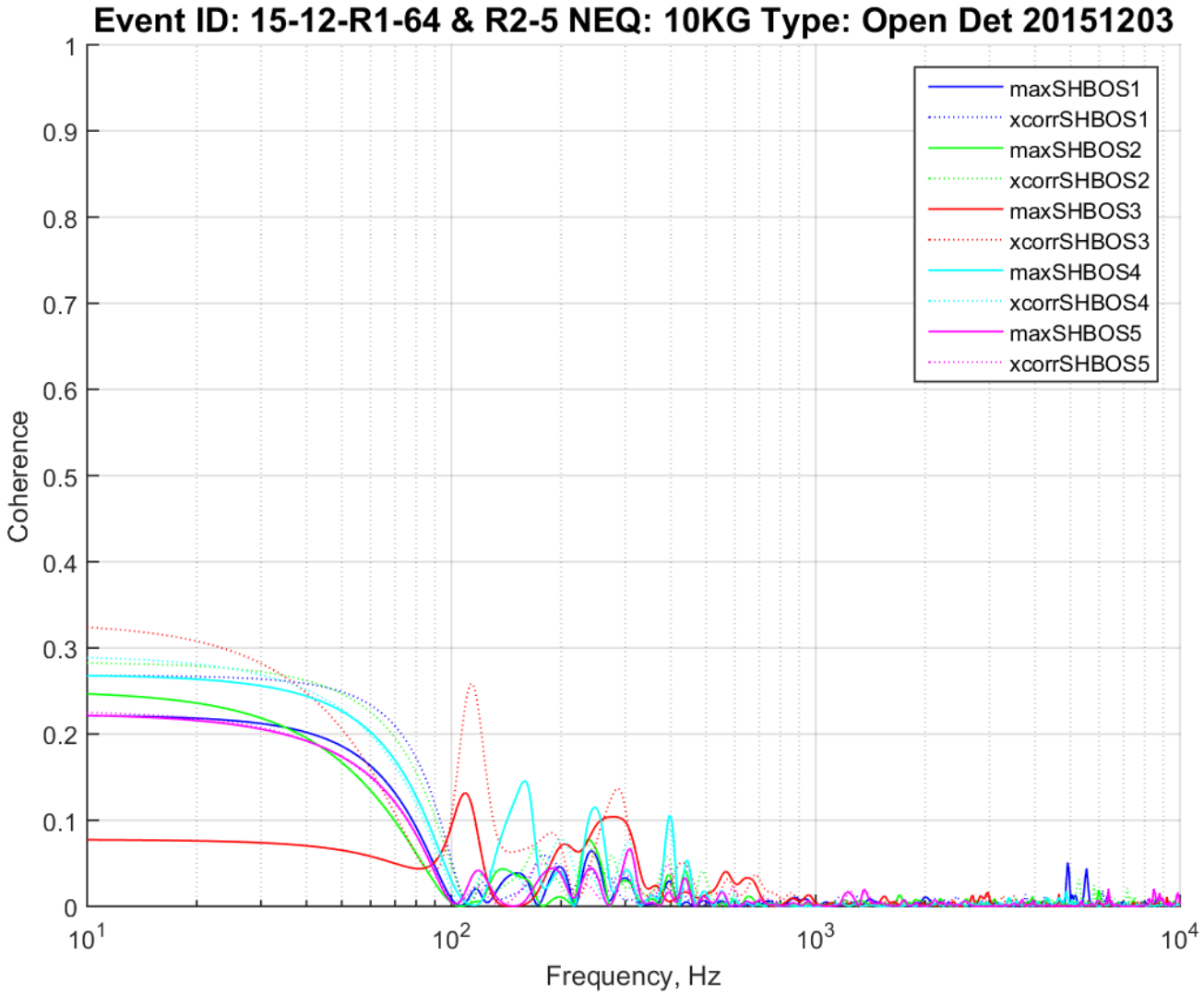


FIGURE 2.2153: COHERENCE SHB_OS 1 - 5 15-12-R1-64 & R2-5

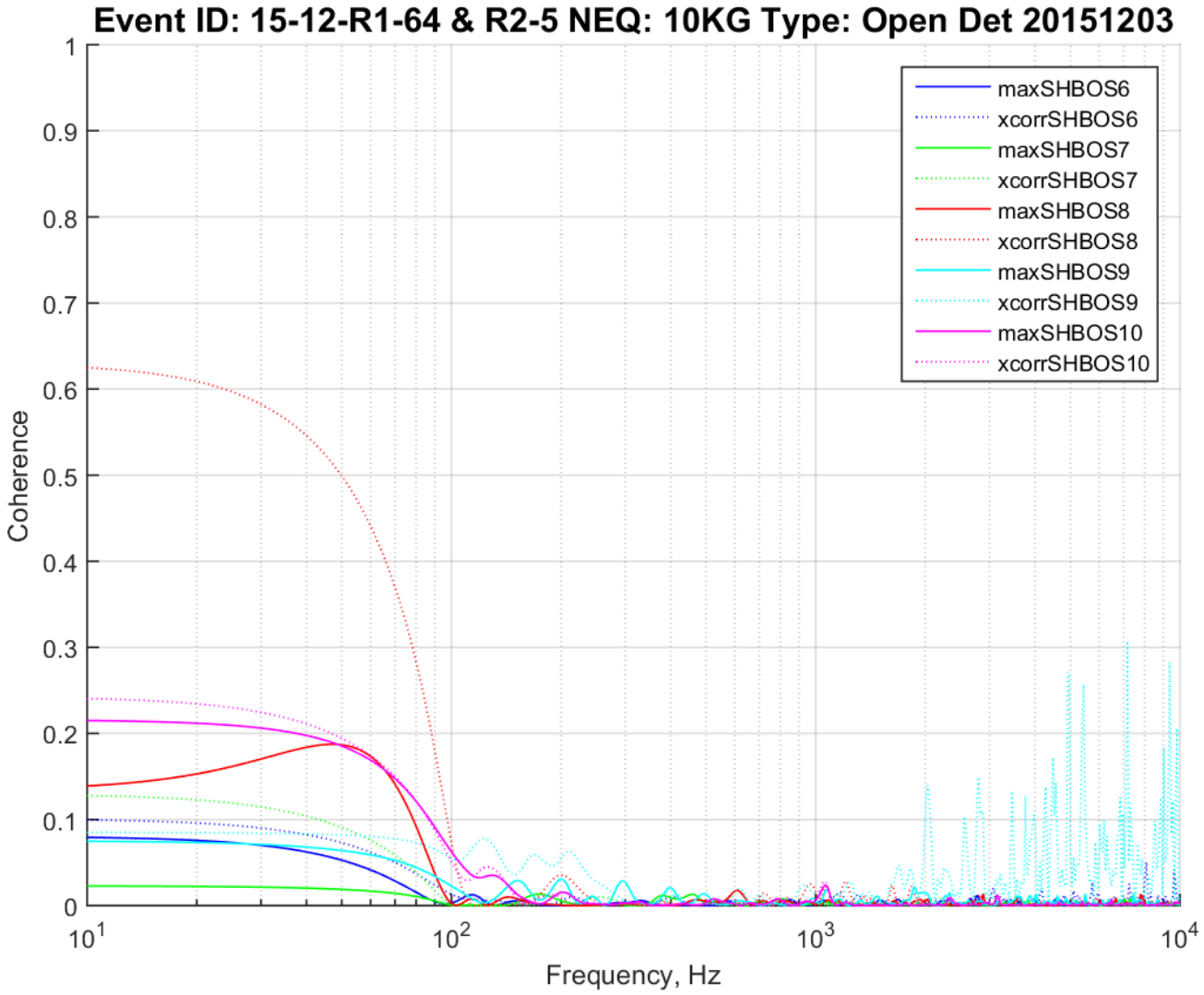


FIGURE 2.2154: COHERENCE SHB_OS 6 - 10 15-12-R1-64 & R2-5CTD

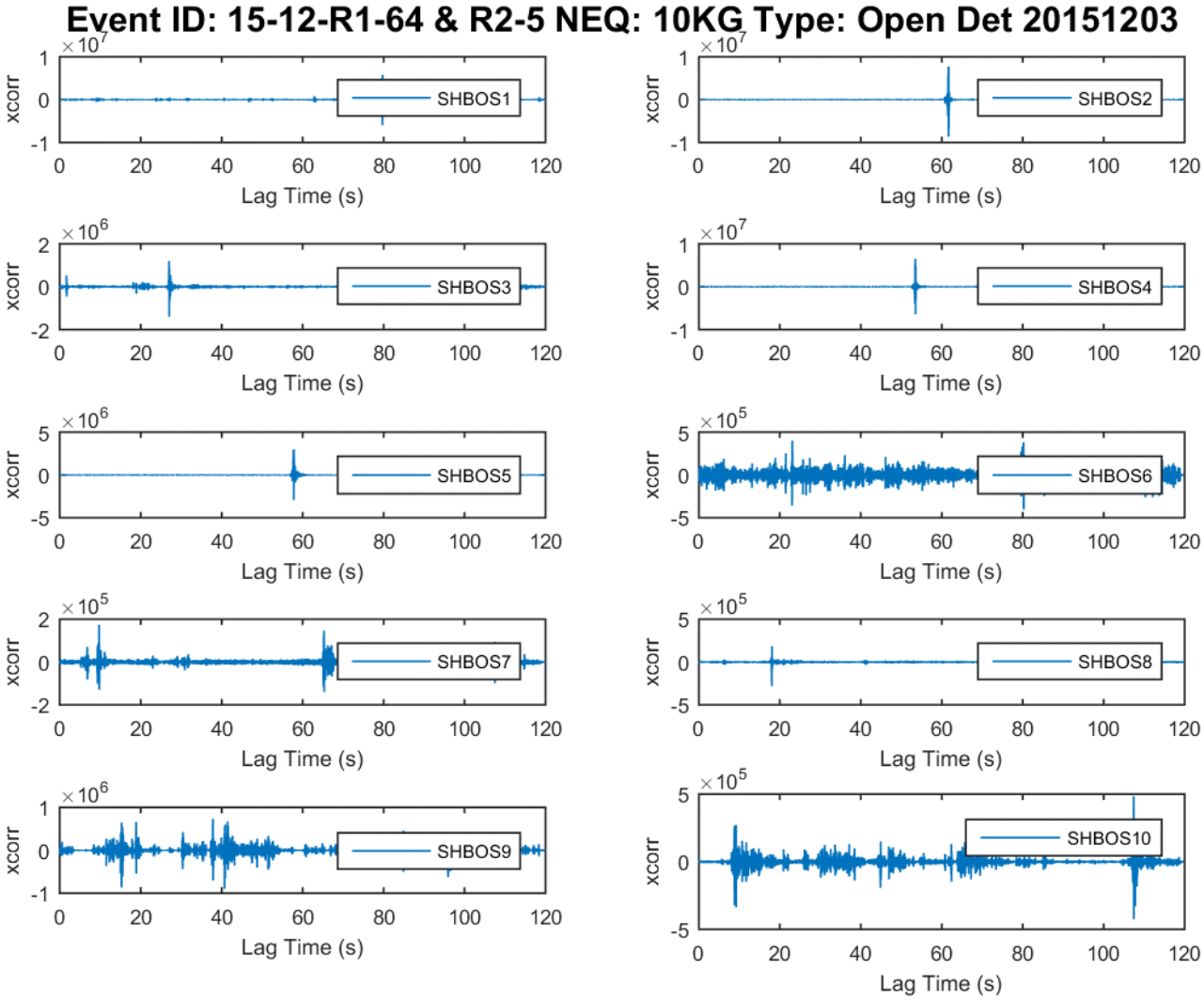


FIGURE 2.2155: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-64 & R2-5

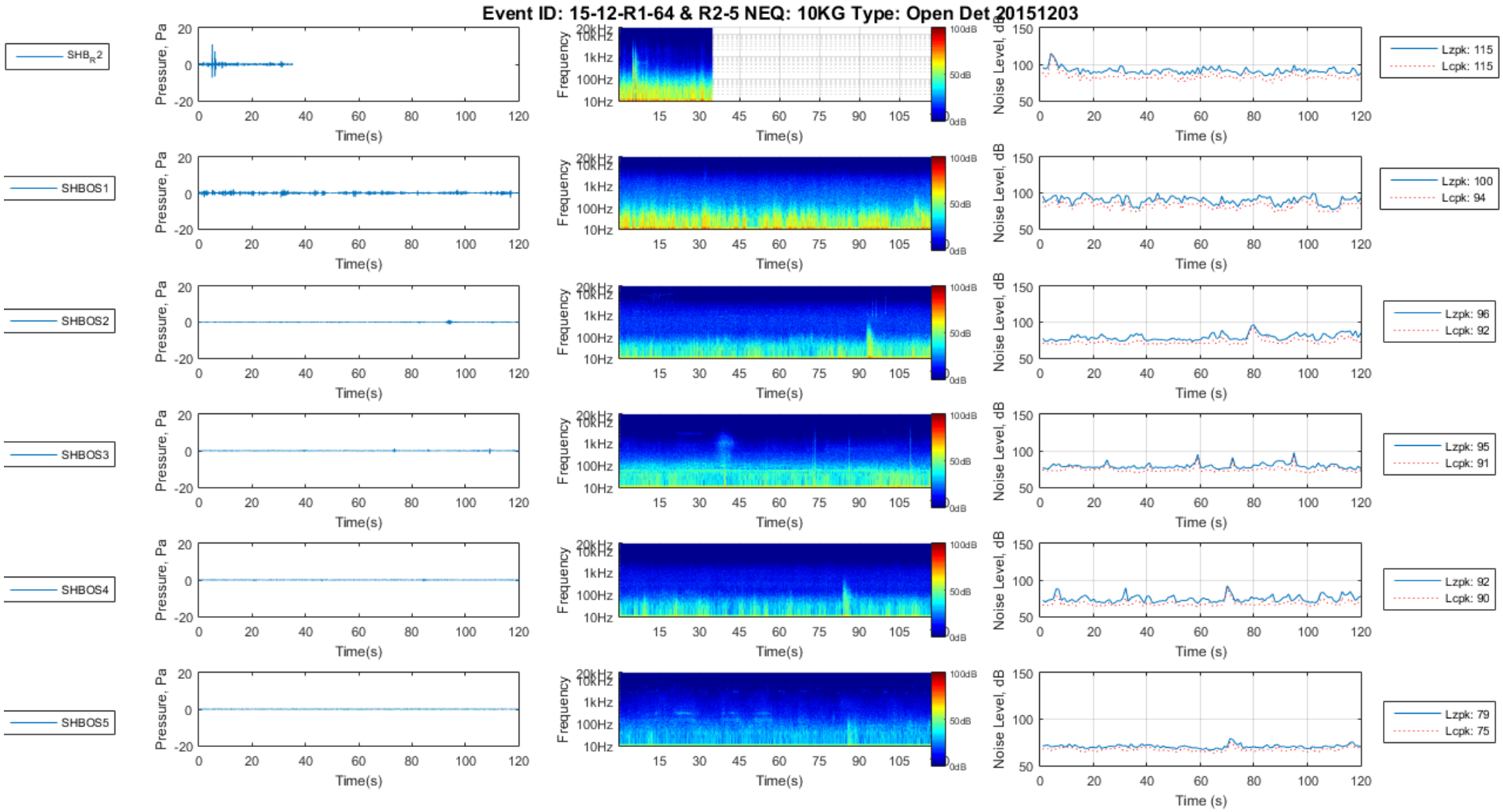
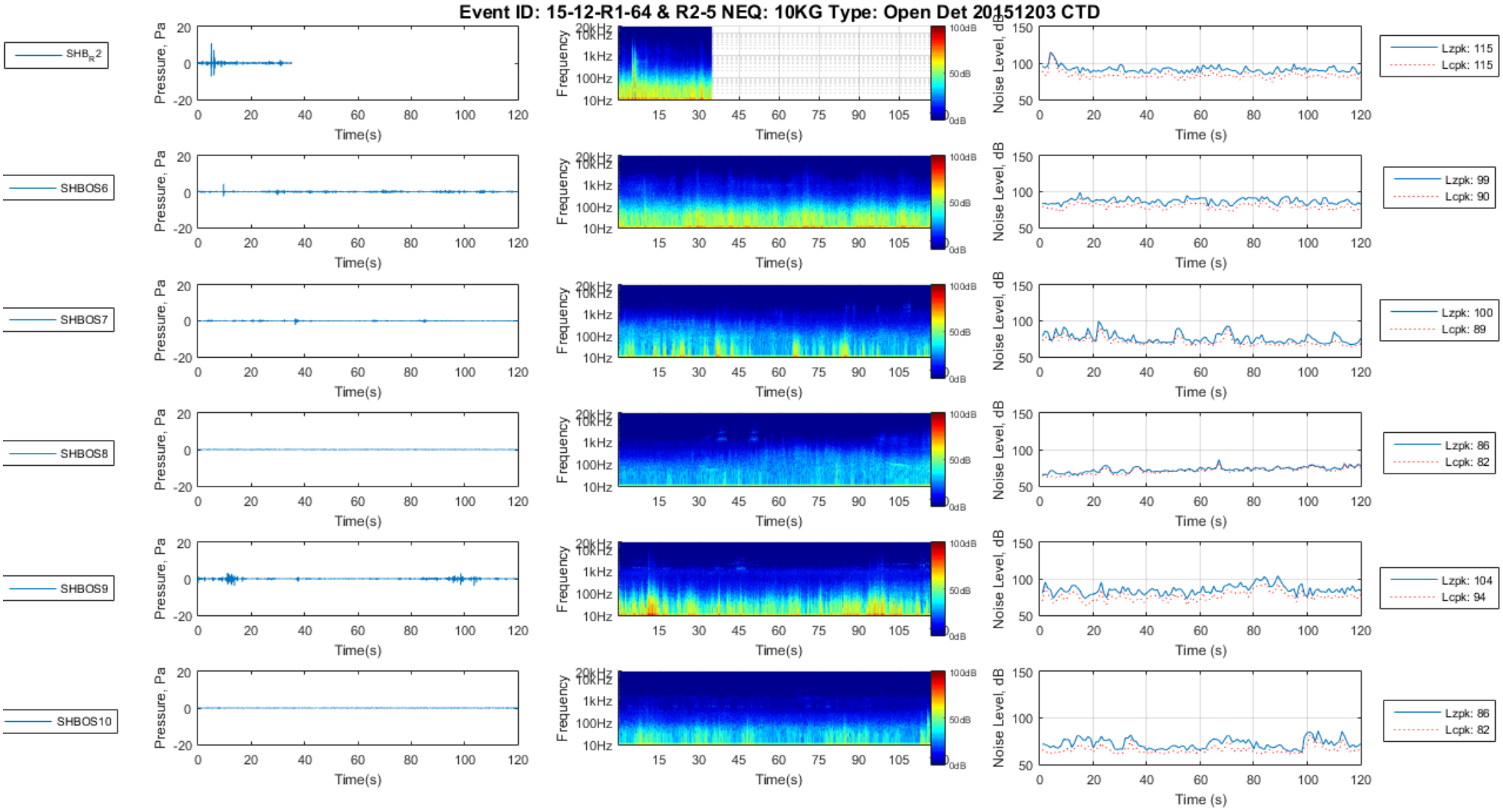


FIGURE 2.2156: SHB_OS 1 - 5 15-12-R1-64 & R2-5


Event ID: 15-12-R1-64 & R2-5 NEQ: 10KG Type: Open Det 20151203 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 115
Lcpk: 115
Lzpk: 99
Lcpk: 90
Lzpk: 100
Lcpk: 89
Lzpk: 86
Lcpk: 82
Lzpk: 104
Lcpk: 94
Lzpk: 86
Lcpk: 82

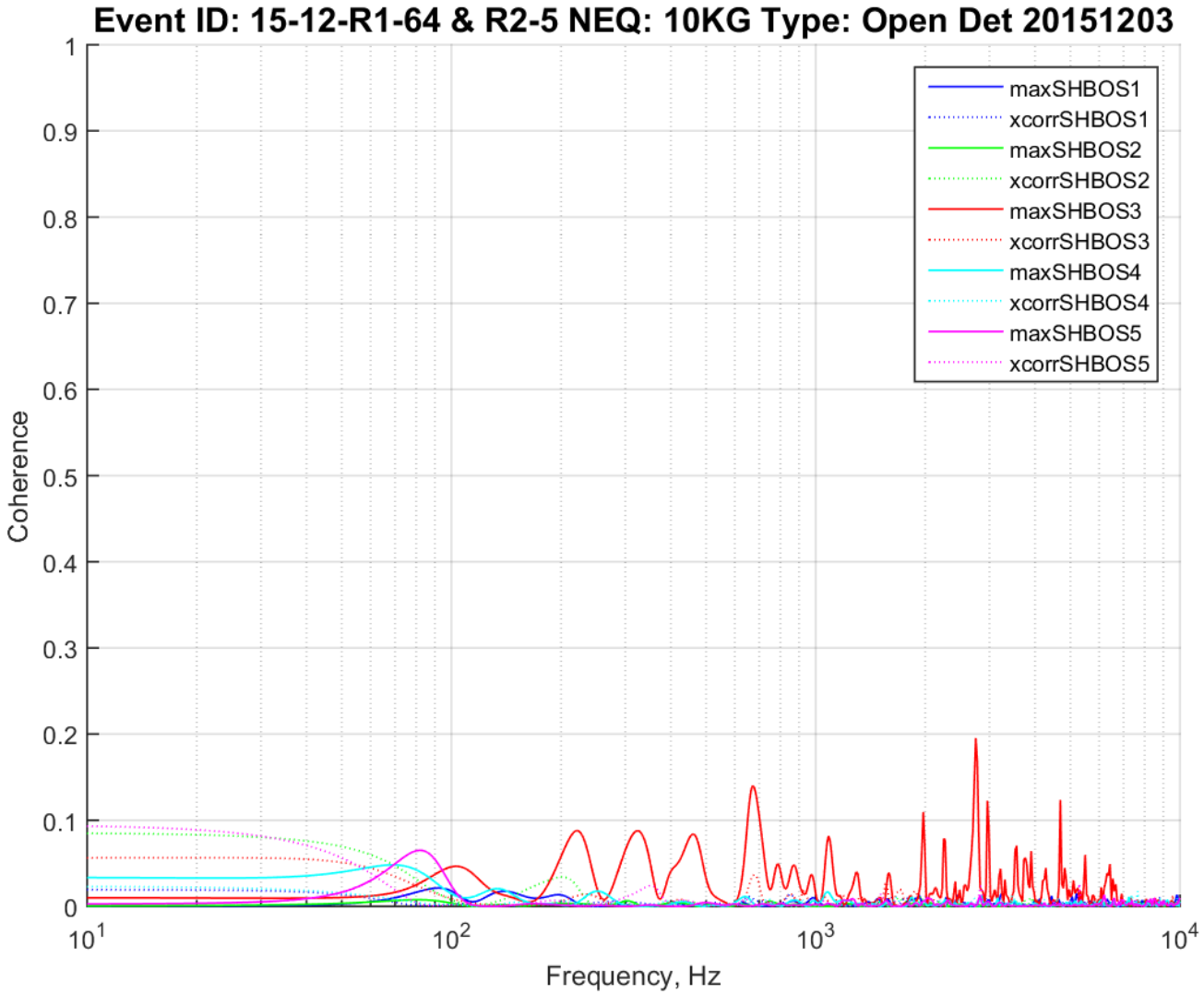


FIGURE 2.2158: COHERENCE SHB_OS 1 - 5 15-12-R1-64 & R2-5

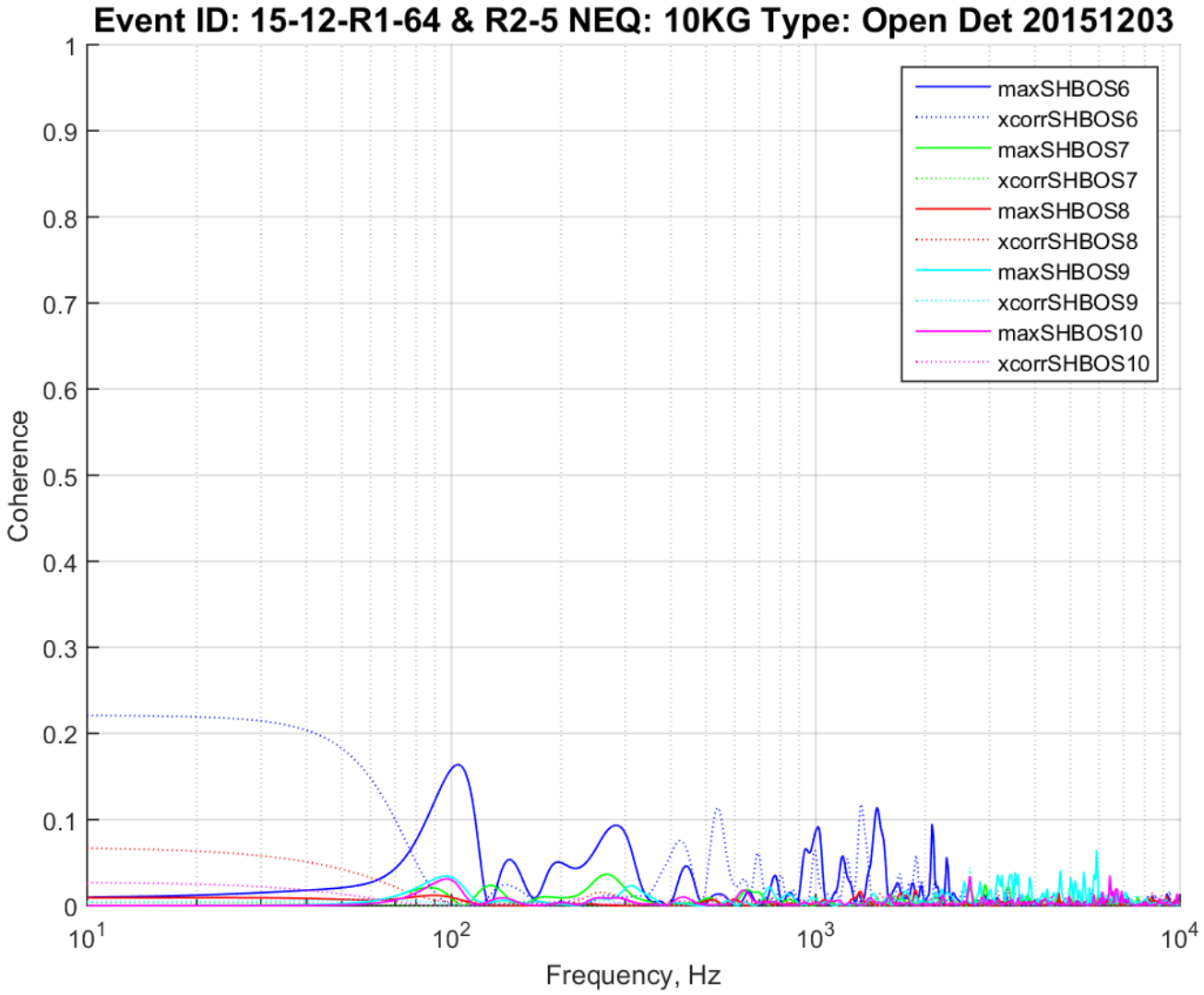


FIGURE 2.2159: COHERENCE SHB_OS 6 - 10 15-12-R1-64 & R2-5CTD

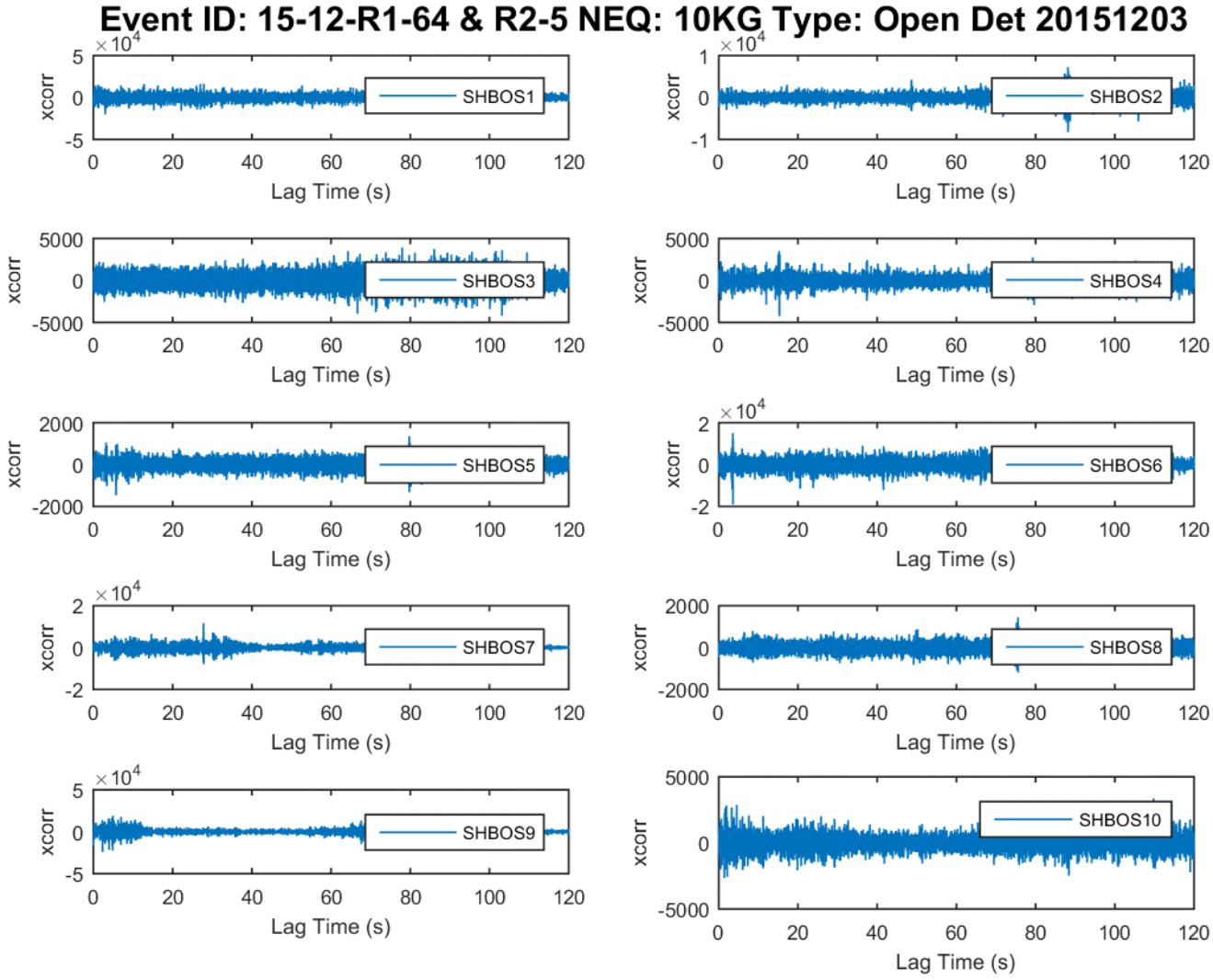
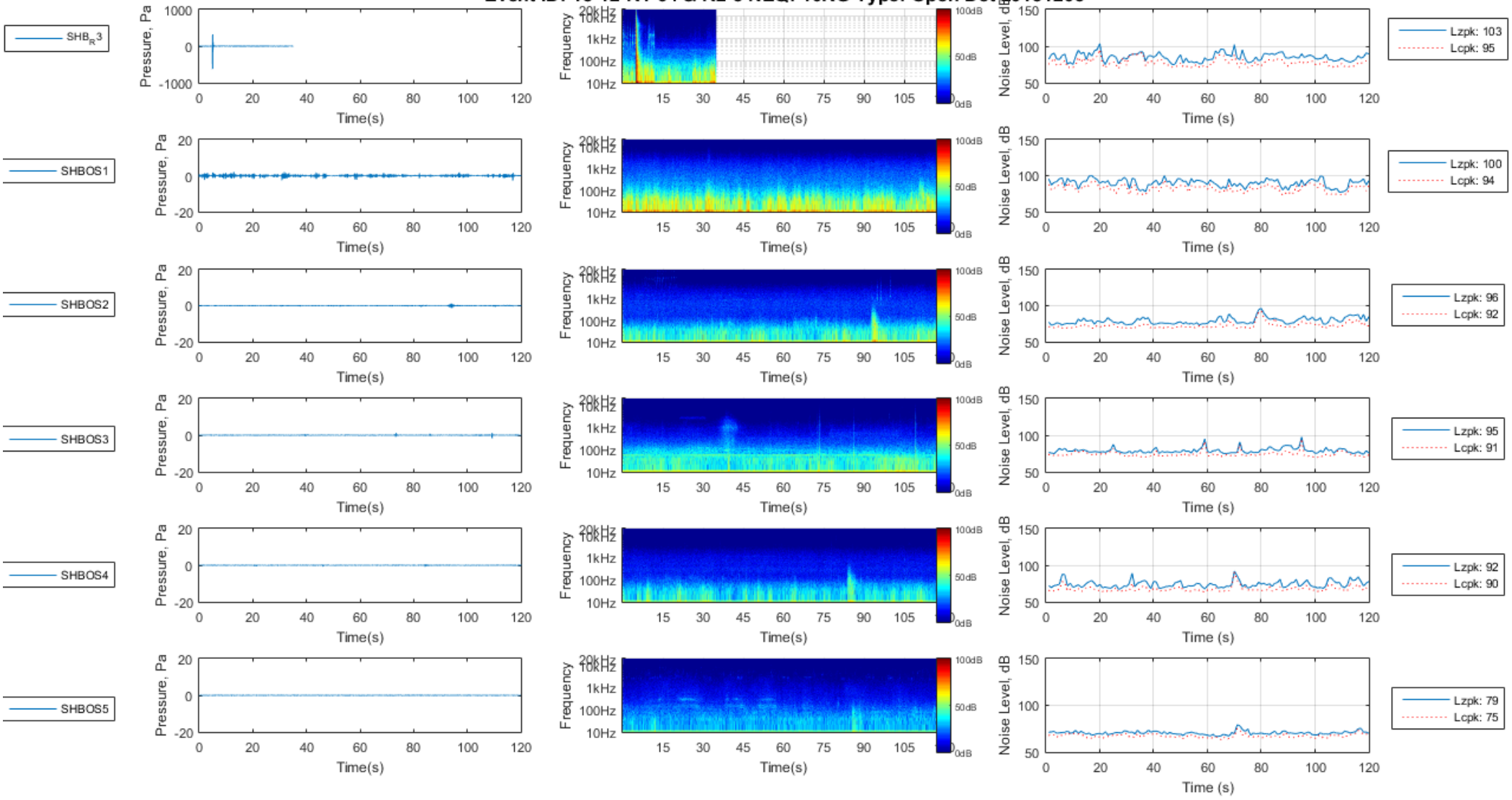
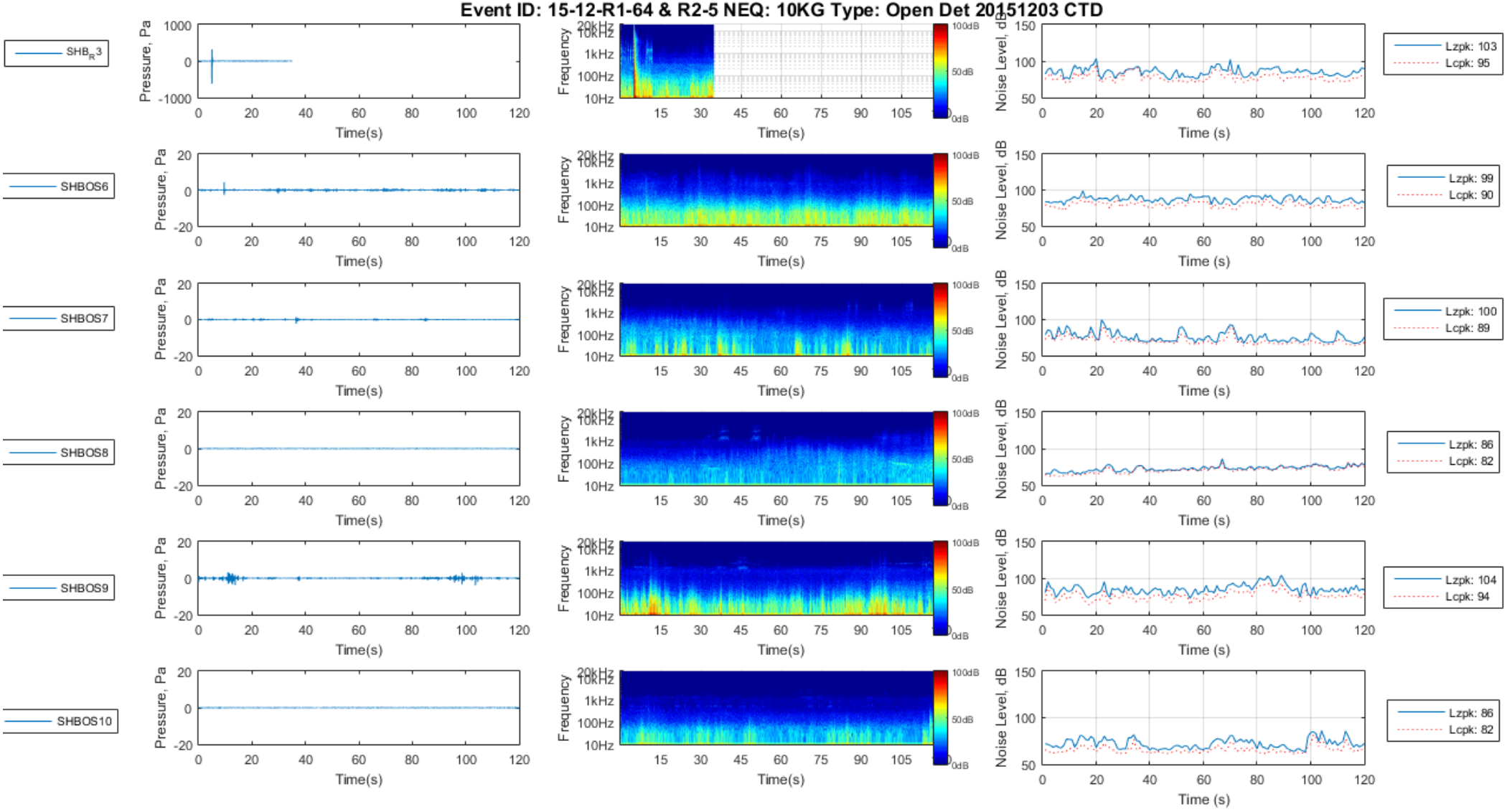


FIGURE 2.2160: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-64 & R2-5


Event ID: 15-12-R1-64 & R2-5 NEQ: 10KG Type: Open Det 20151203
SHB_R3
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 103
Lcpk: 95
Lzpk: 100
Lcpk: 94
Lzpk: 96
Lcpk: 92
Lzpk: 95
Lcpk: 91
Lzpk: 92
Lcpk: 90
Lzpk: 79
Lcpk: 75


Event ID: 15-12-R1-64 & R2-5 NEQ: 10KG Type: Open Det 20151203 CTD
SHB_R3
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Frequency
Noise Level, dB
Time(s)
Time (s)
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Lzpk: 103
Lcpk: 95
Lzpk: 99
Lcpk: 90
Lzpk: 100
Lcpk: 89
Lzpk: 86
Lcpk: 82
Lzpk: 104
Lcpk: 94
Lzpk: 86
Lcpk: 82

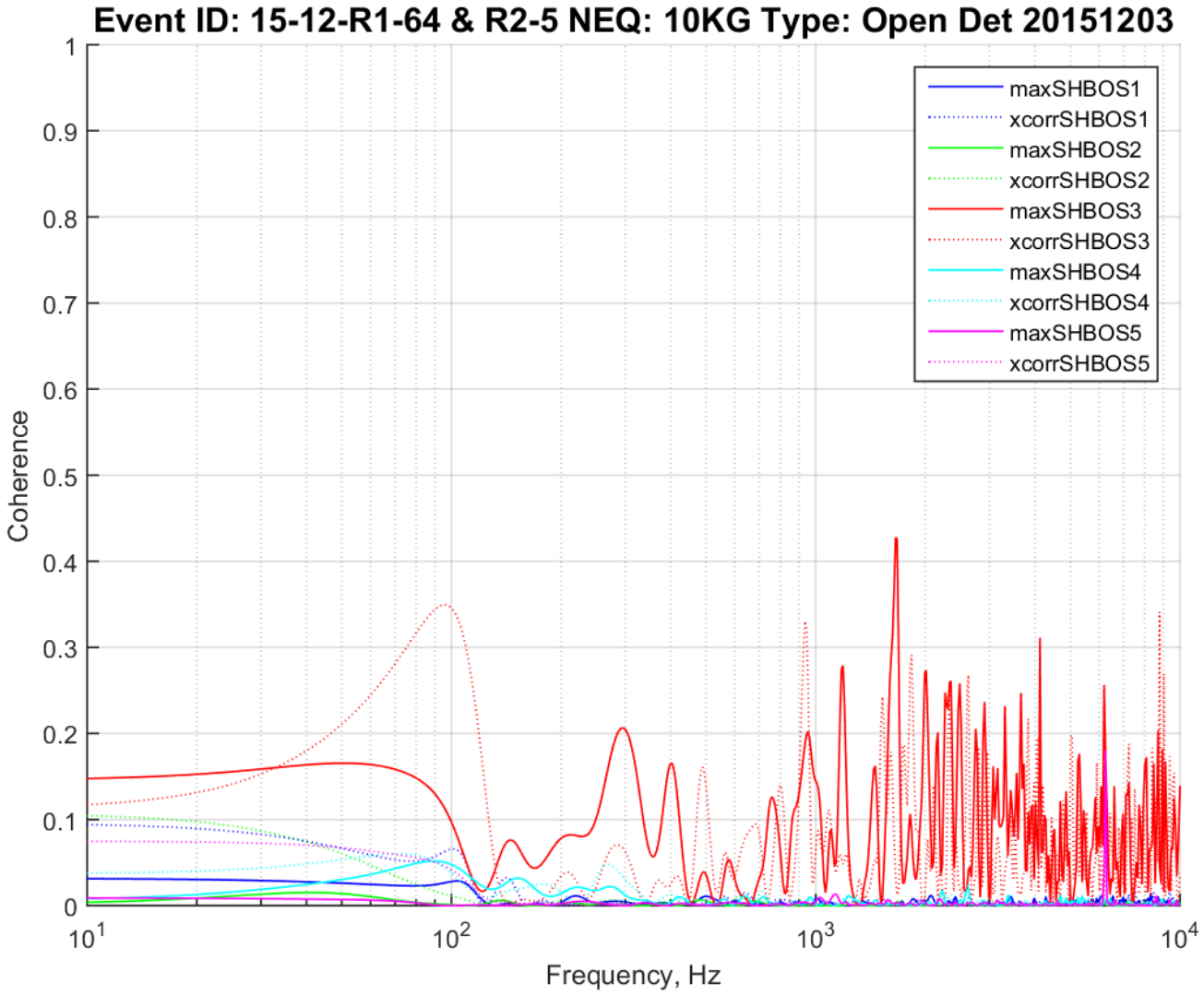


FIGURE 2.2163: COHERENCE SHB_OS 1 - 5 15-12-R1-64 & R2-5

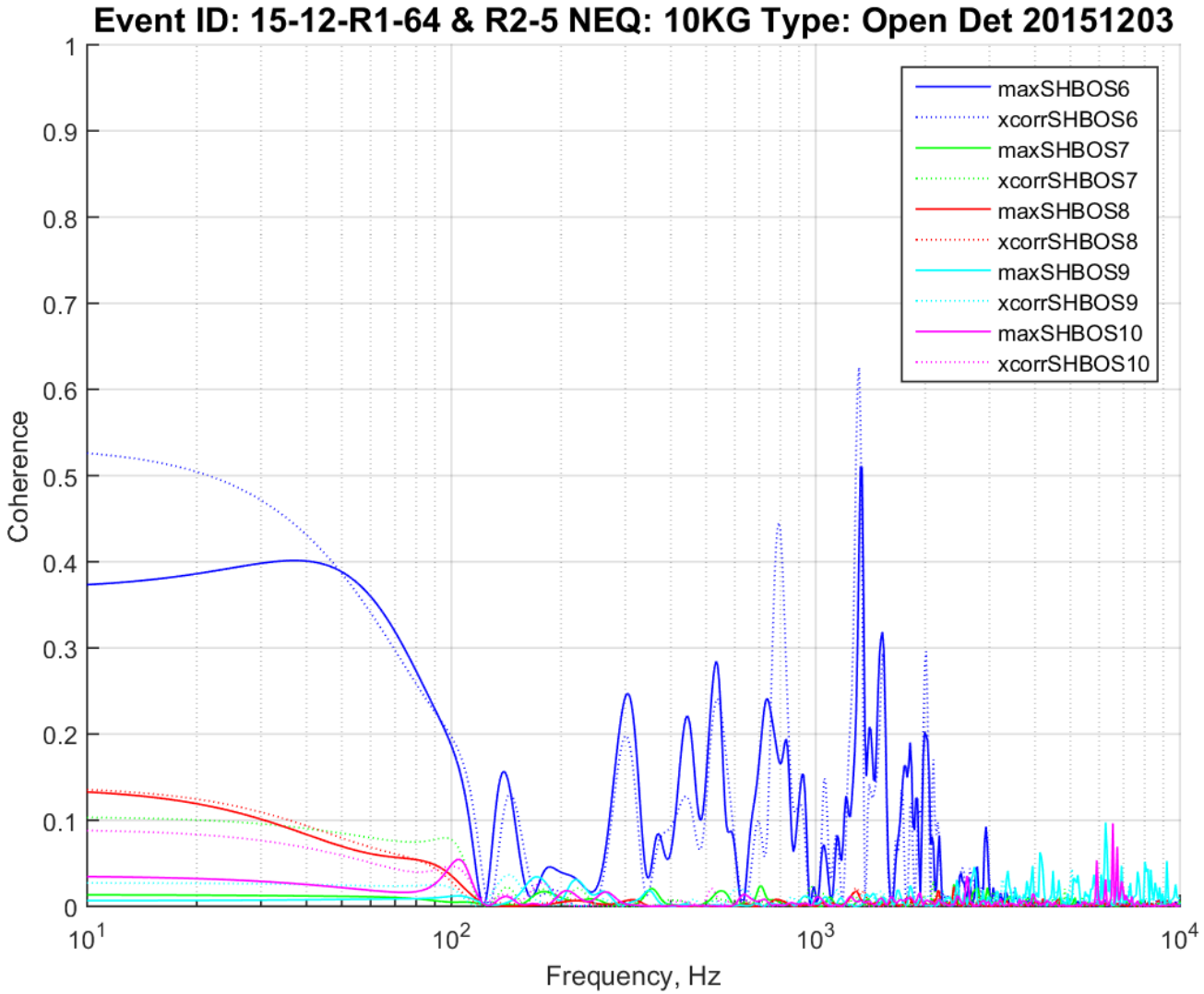


FIGURE 2.2164: COHERENCE SHB_OS 6 - 10 15-12-R1-64 & R2-5CTD

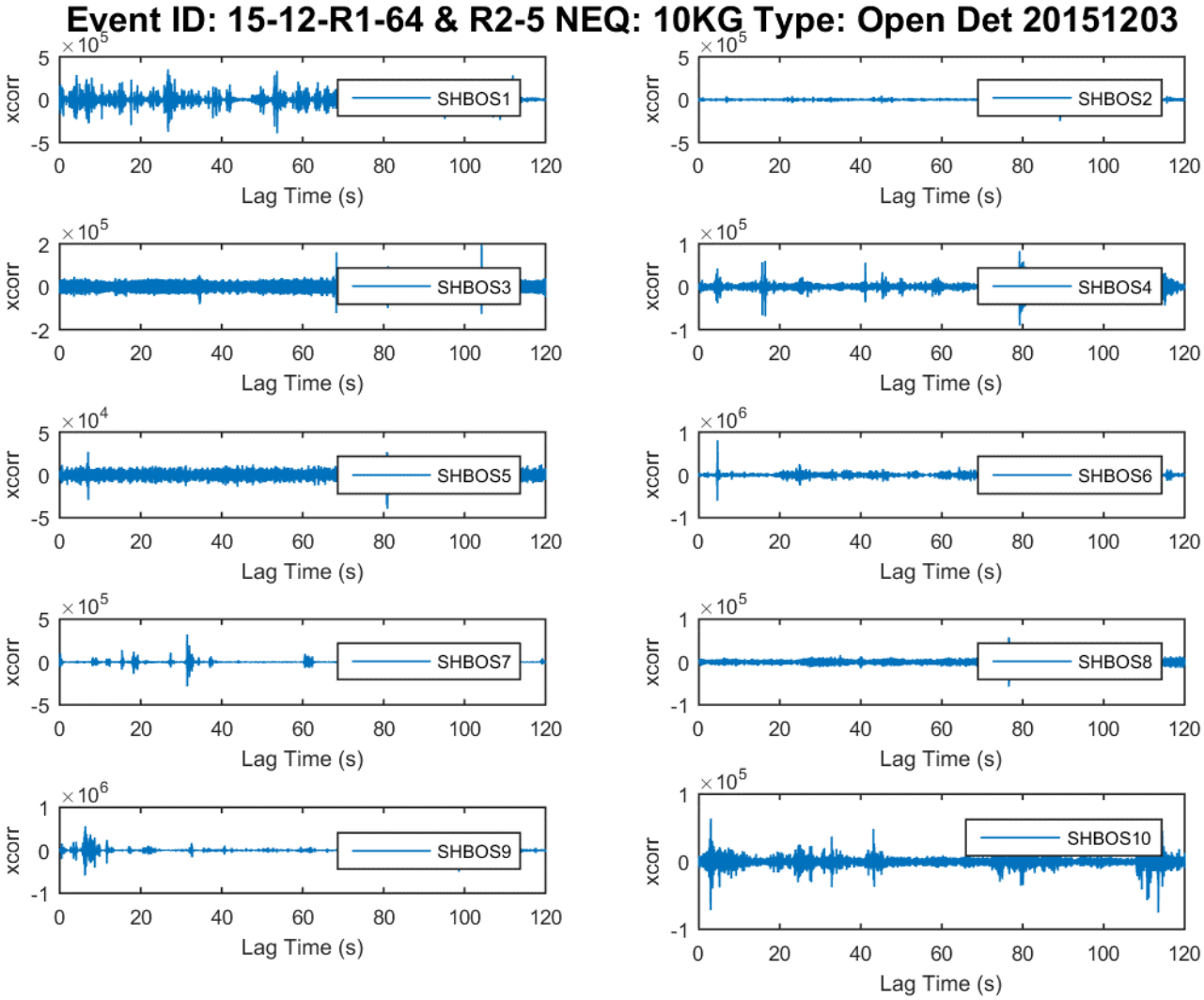
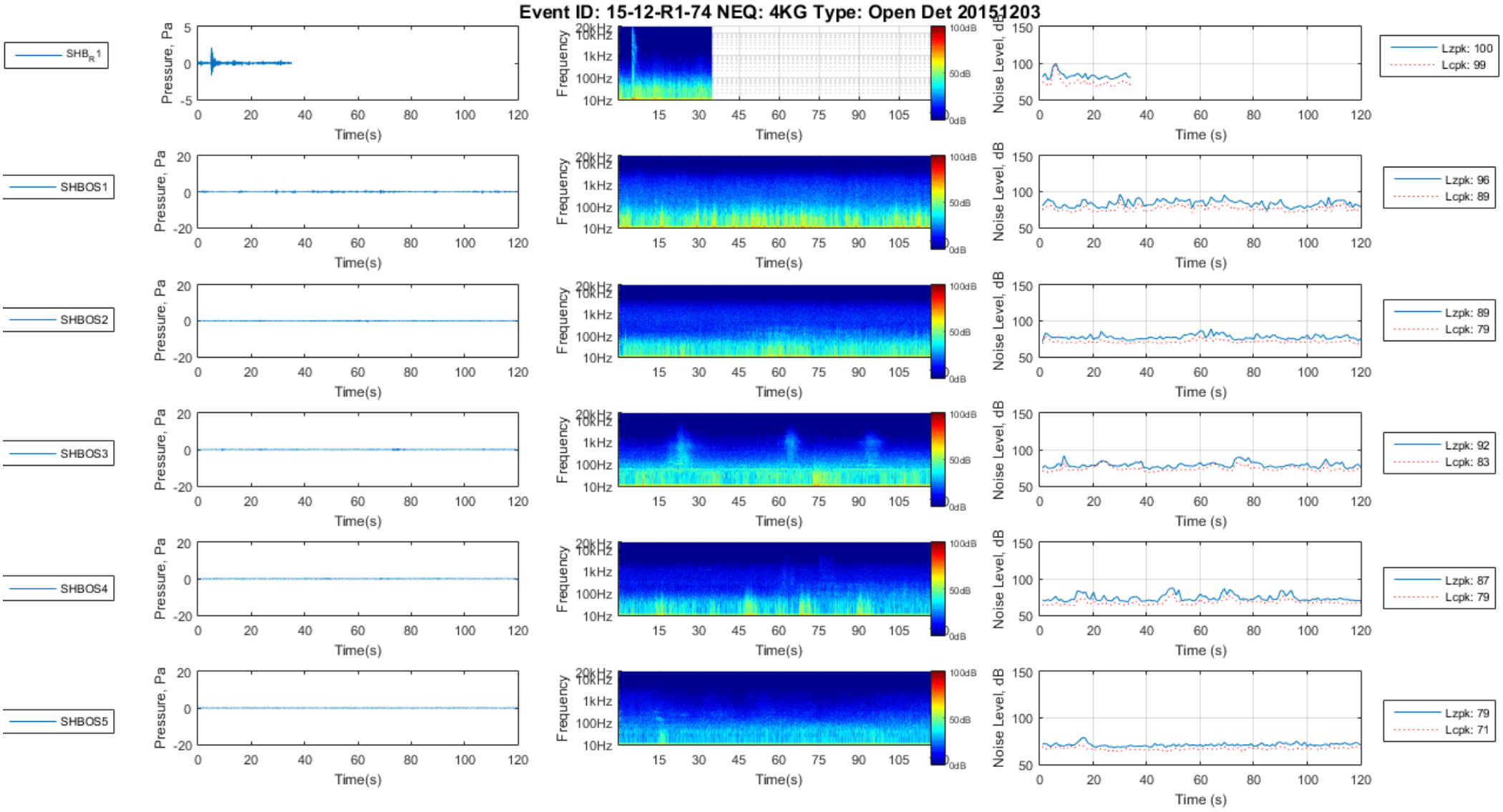
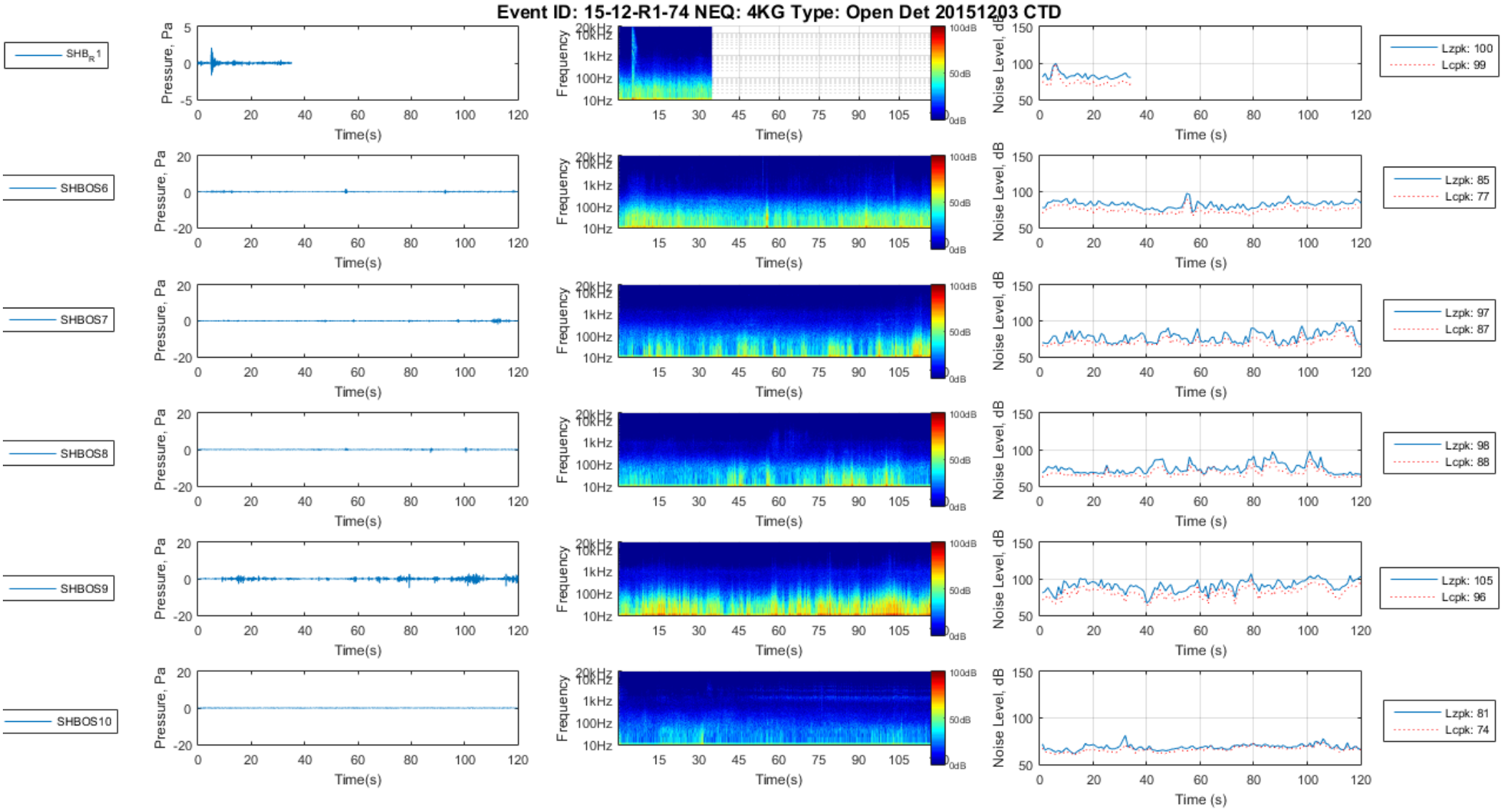


FIGURE 2.2165: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-64 & R2-5


Event ID: 15-12-R1-74 NEQ: 4KG Type: Open Det 20151203
SHB_R 1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 100
Lcpk: 99
Lzpk: 96
Lcpk: 89
Lzpk: 89
Lcpk: 79
Lzpk: 92
Lcpk: 83
Lzpk: 87
Lcpk: 79
Lzpk: 79
Lcpk: 71


Event ID: 15-12-R1-74 NEQ: 4KG Type: Open Det 20151203 CTD
SHB_R 1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 100
Lcpk: 99
Lzpk: 85
Lcpk: 77
Lzpk: 97
Lcpk: 87
Lzpk: 98
Lcpk: 88
Lzpk: 105
Lcpk: 96
Lzpk: 81
Lcpk: 74

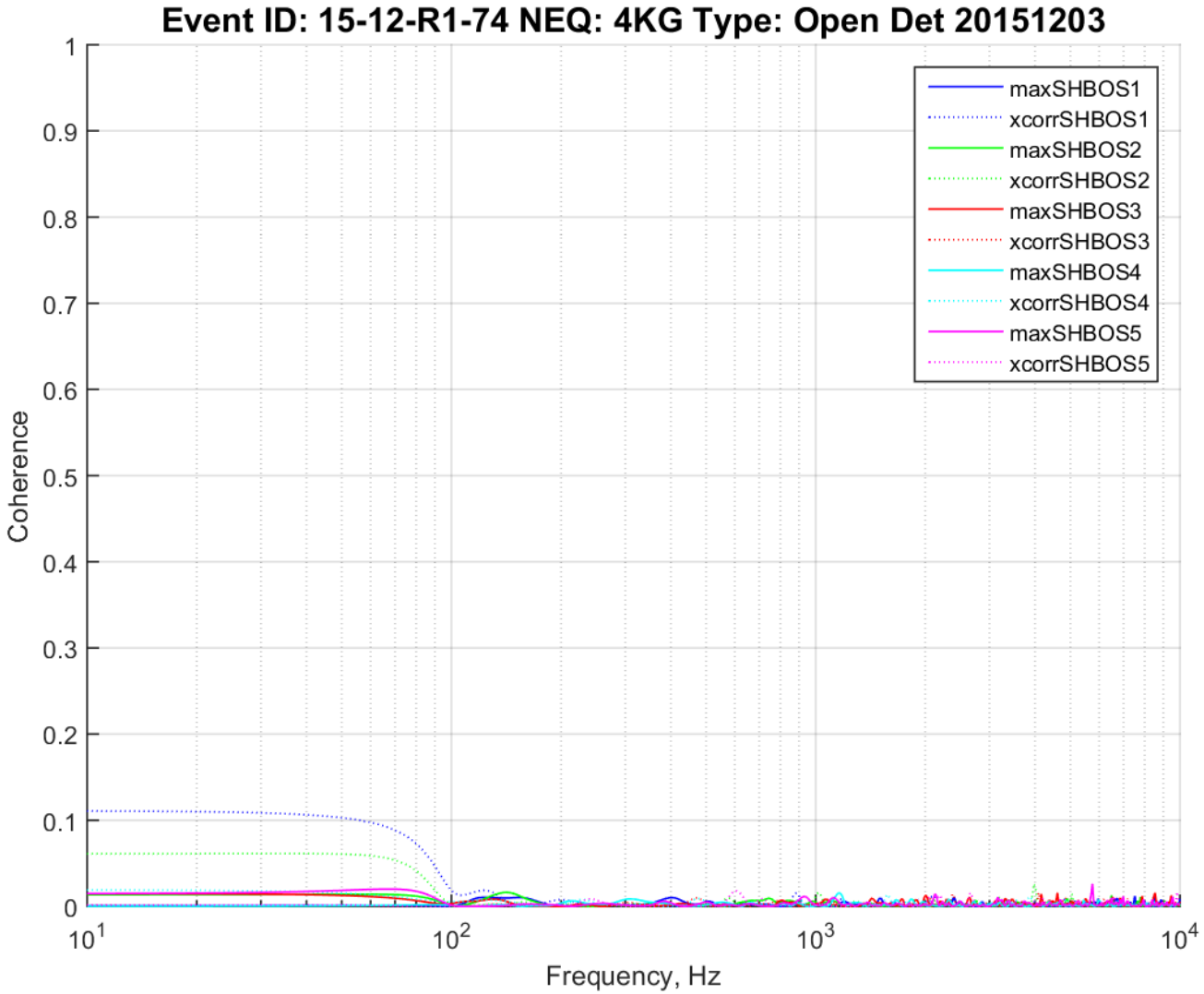


FIGURE 2.2168: COHERENCE SHB_OS 1 - 5 15-12-R1-74

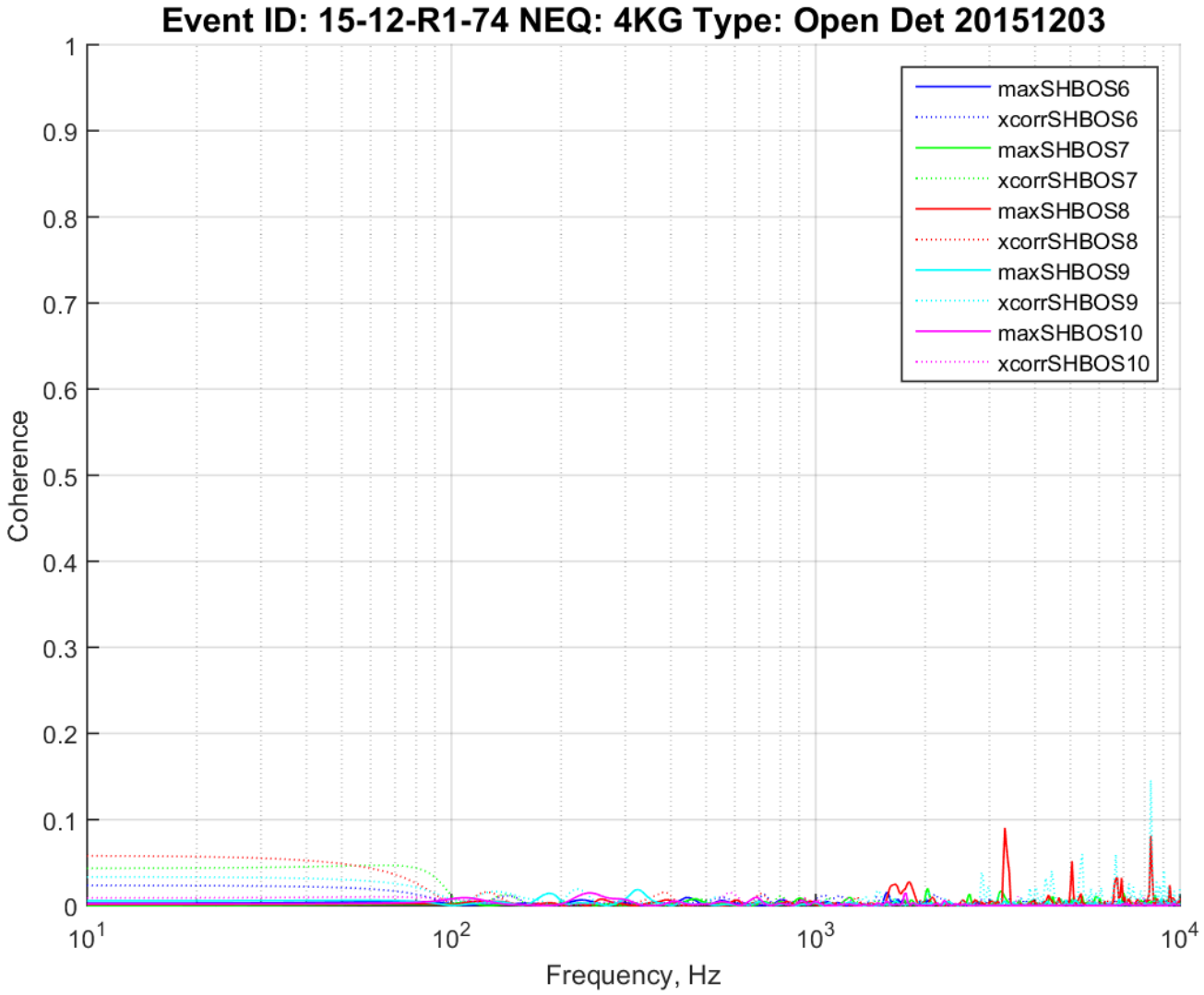


FIGURE 2.2169: COHERENCE SHB_OS 6 - 10 15-12-R1-74CTD

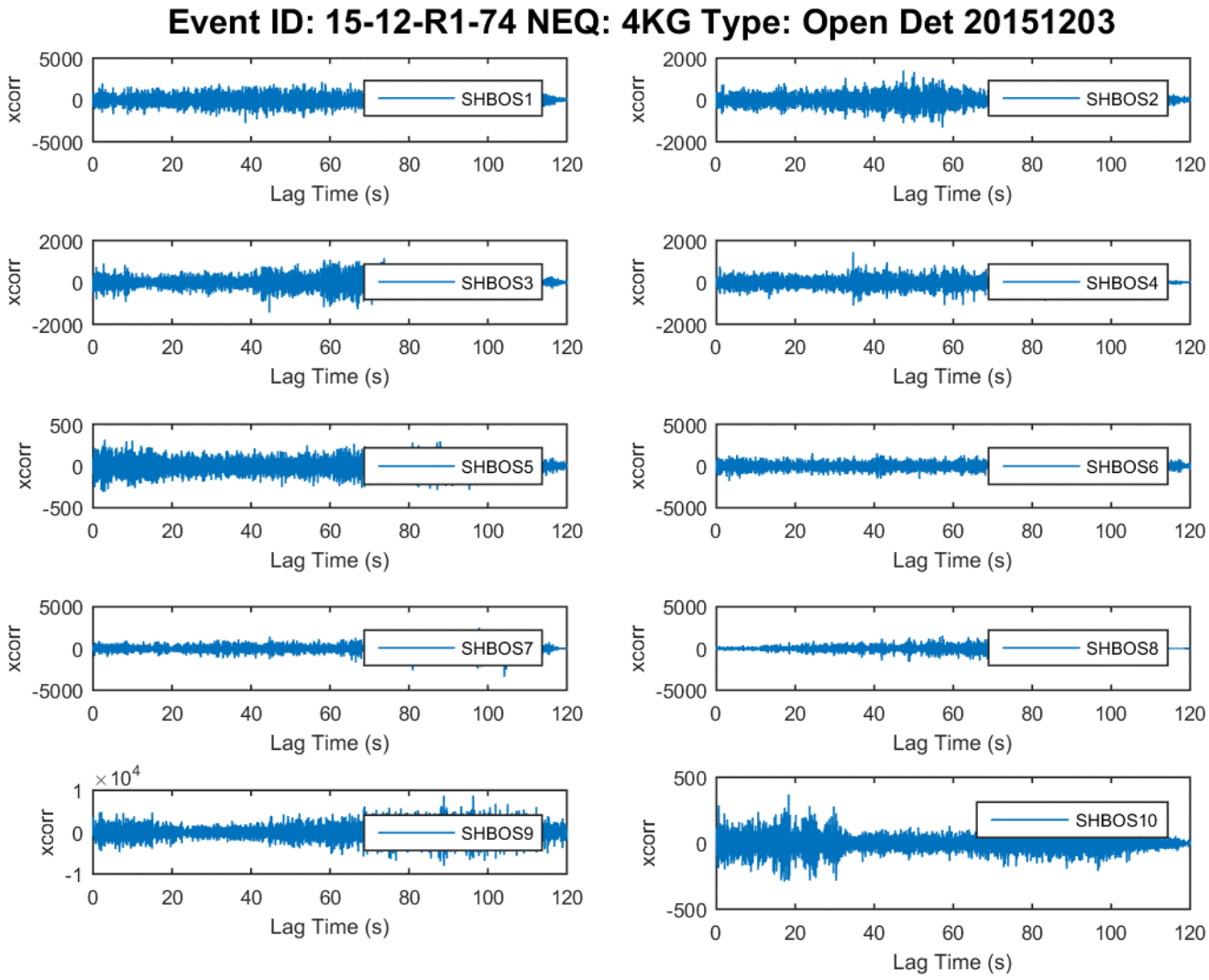
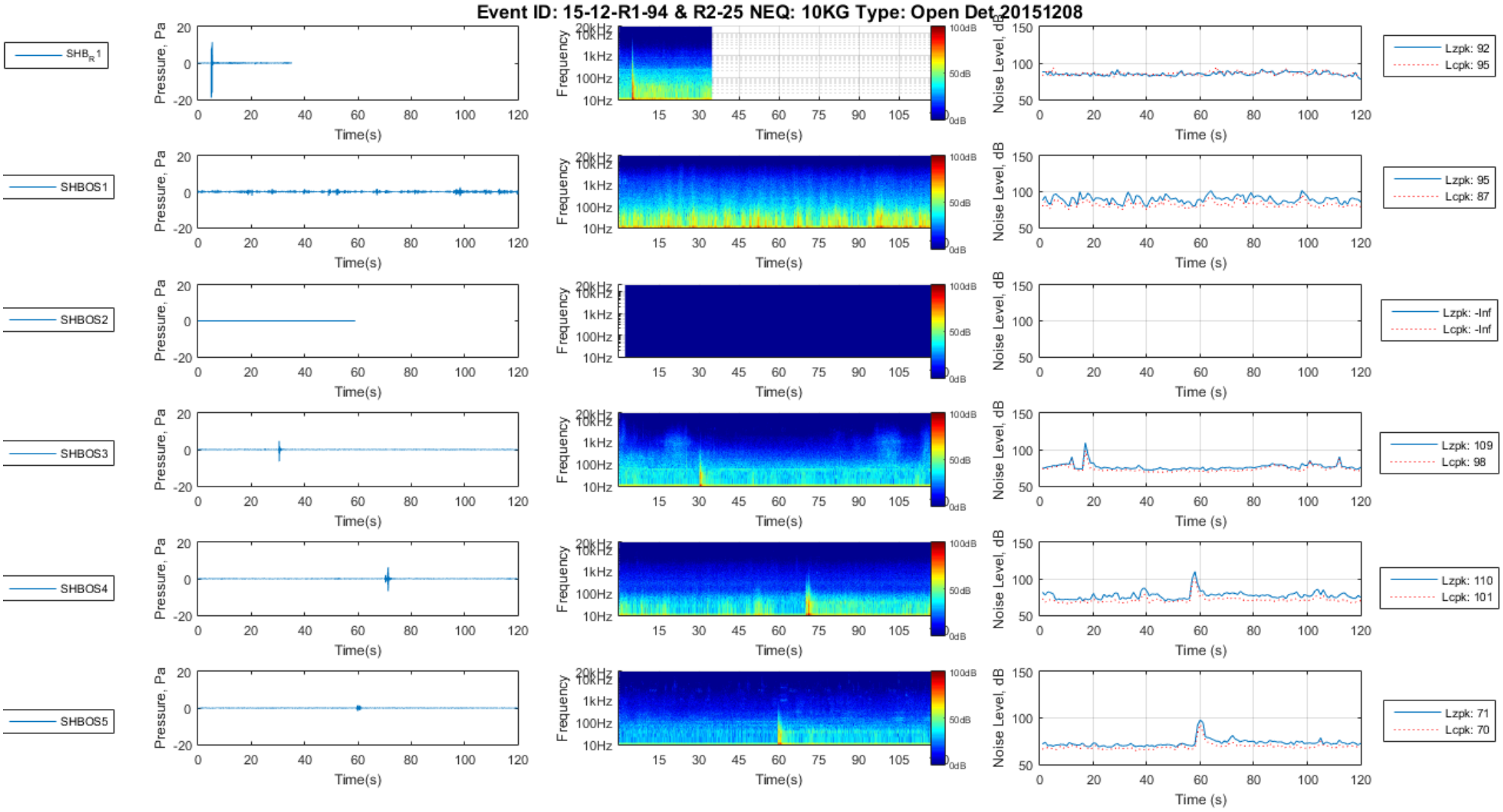
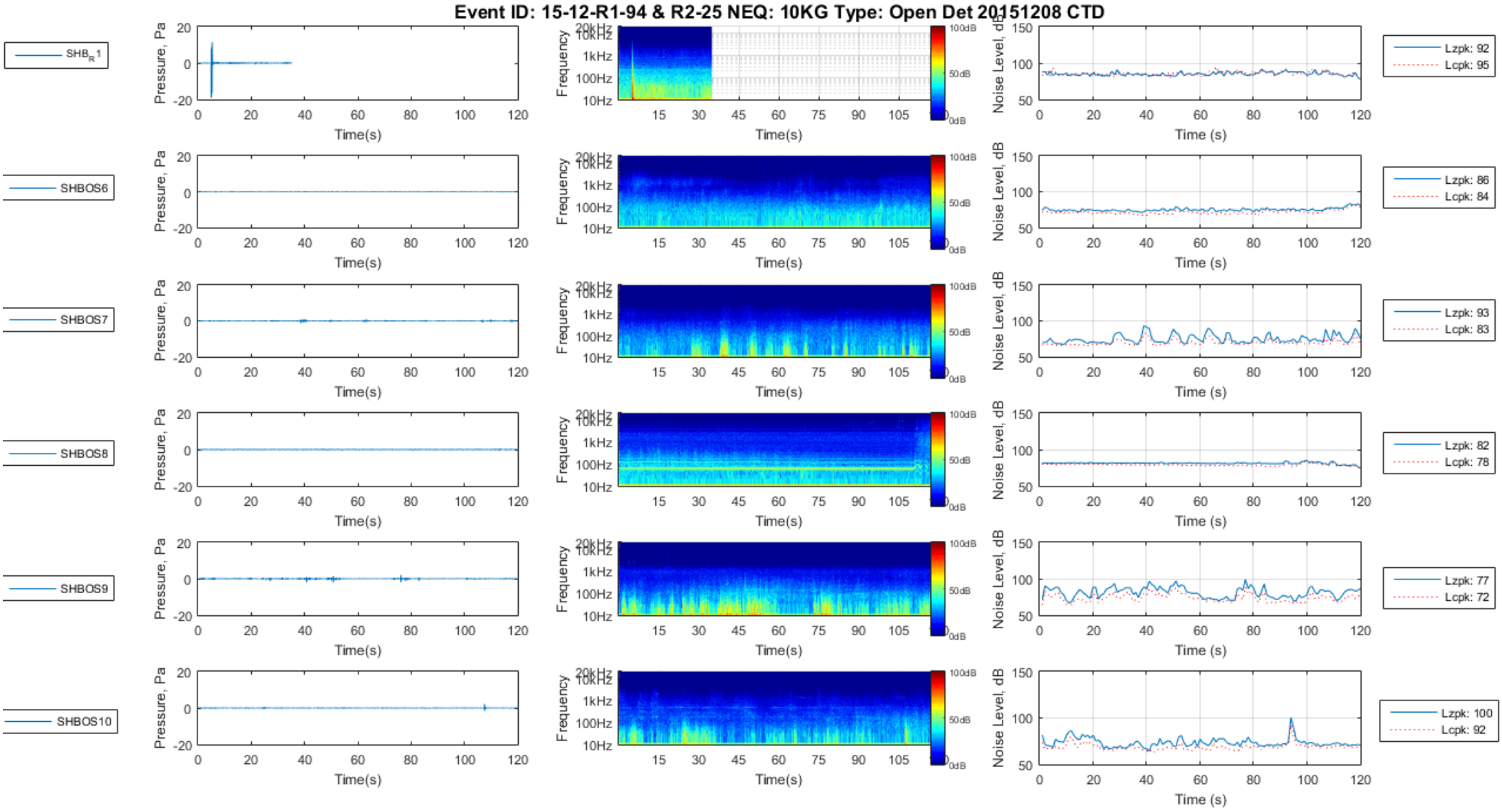


FIGURE 2.2170: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-74


Event ID: 15-12-R1-94 & R2-25 NEQ: 10KG Type: Open Det 20151208
SHB$_R$ [1]
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 92
Lcpk: 95
Lzpk: 95
Lcpk: 87
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 109
Lcpk: 98
Lzpk: 110
Lcpk: 101
Lzpk: 71
Lcpk: 70


Event ID: 15-12-R1-94 & R2-25 NEQ: 10KG Type: Open Det 20151208 CTD
SHB_R1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 92
Lcpk: 95
Lzpk: 86
Lcpk: 84
Lzpk: 93
Lcpk: 83
Lzpk: 82
Lcpk: 78
Lzpk: 77
Lcpk: 72
Lzpk: 100
Lcpk: 92

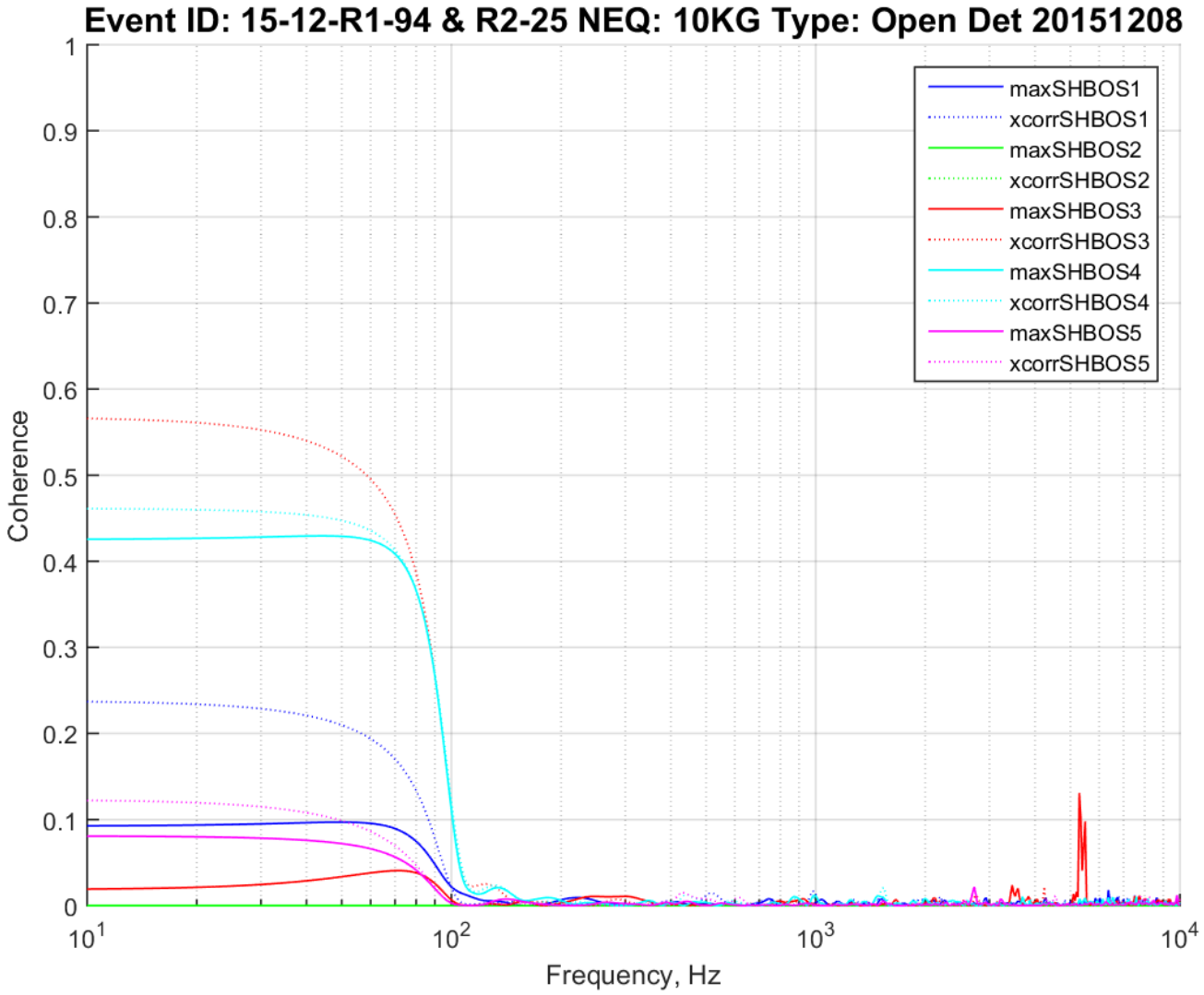


FIGURE 2.2173: COHERENCE SHB_OS 1 - 5 15-12-R1-94 & R2-25

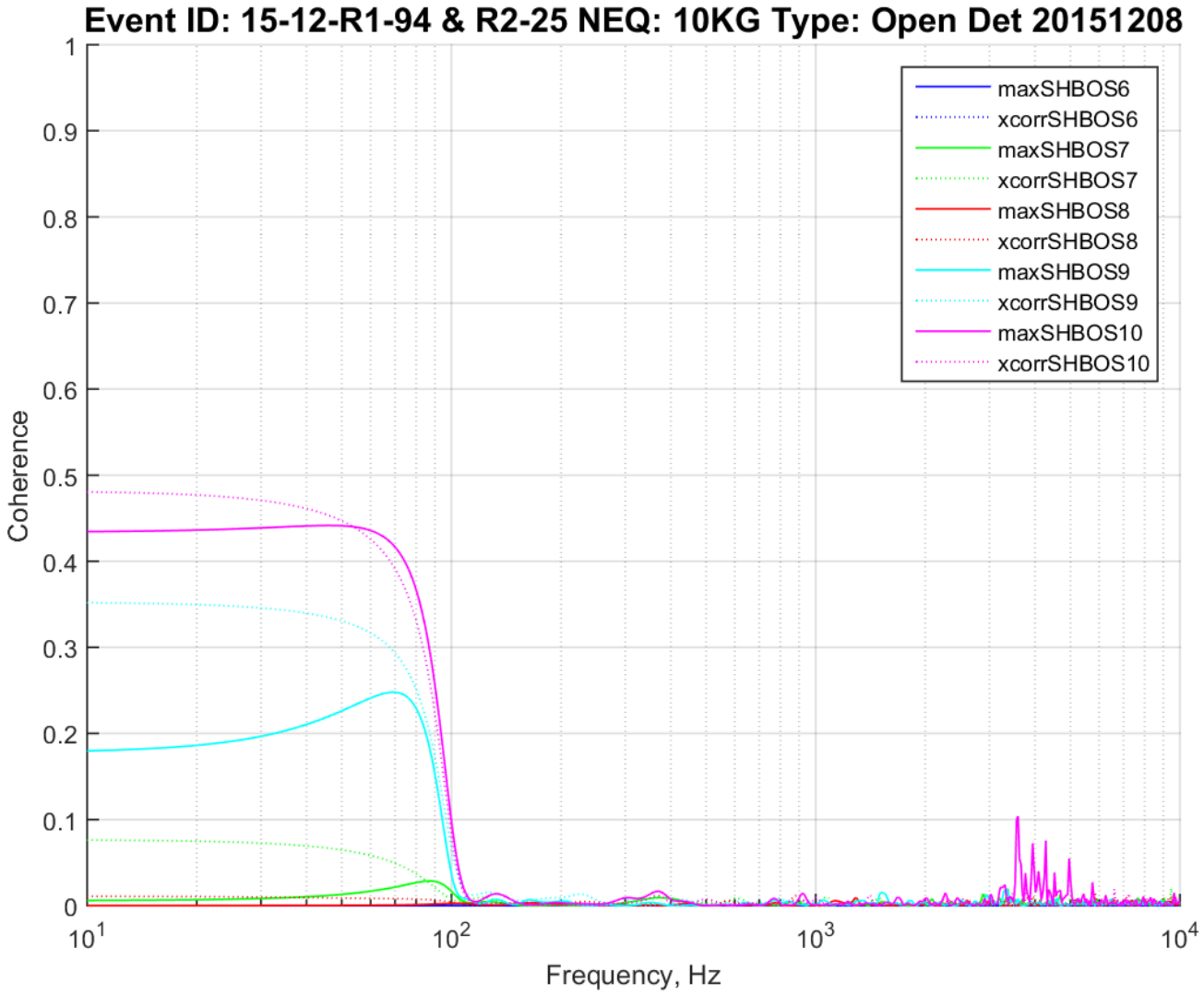


FIGURE 2.2174: COHERENCE SHB_OS 6 - 10 15-12-R1-94 & R2-25CTD

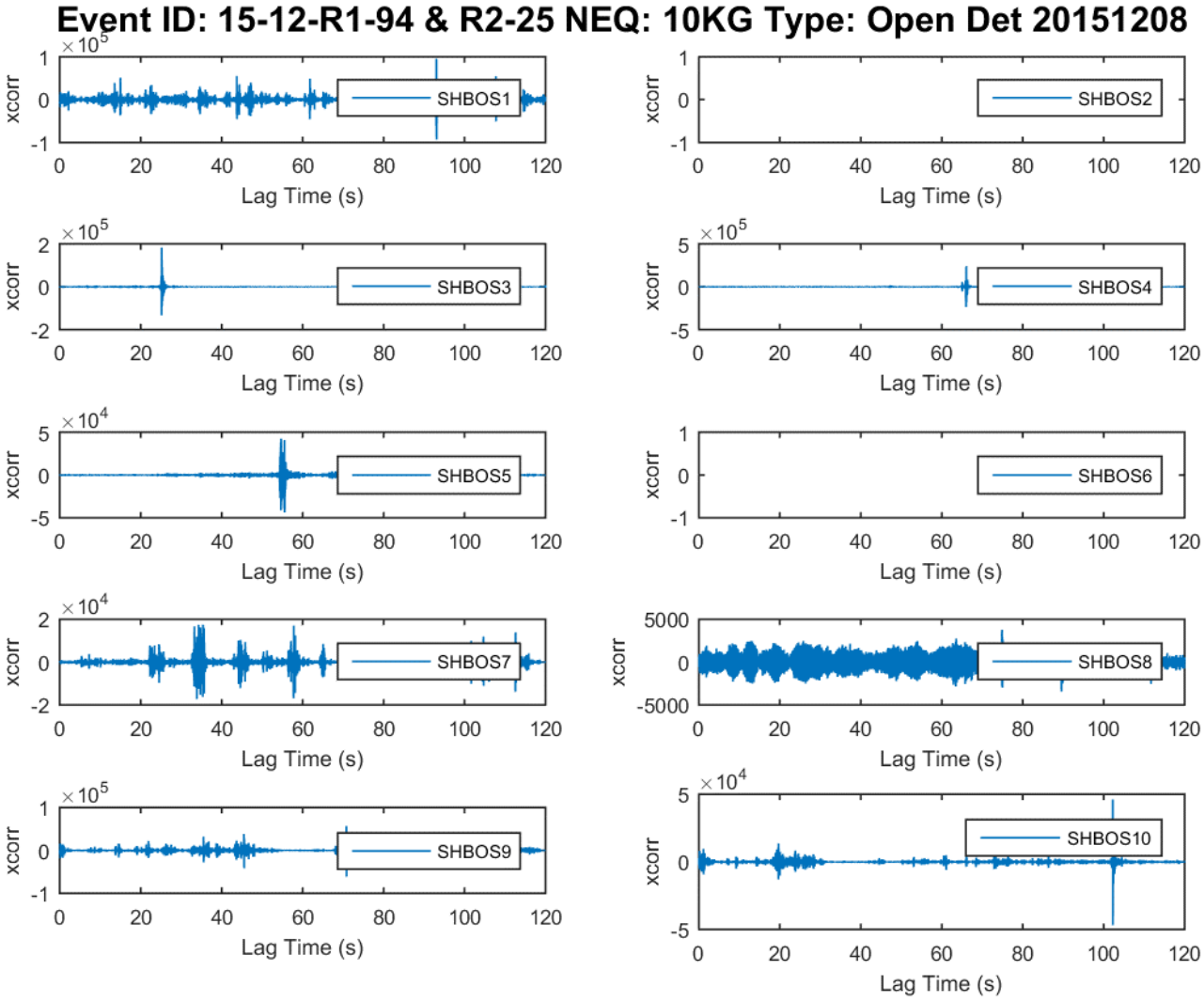
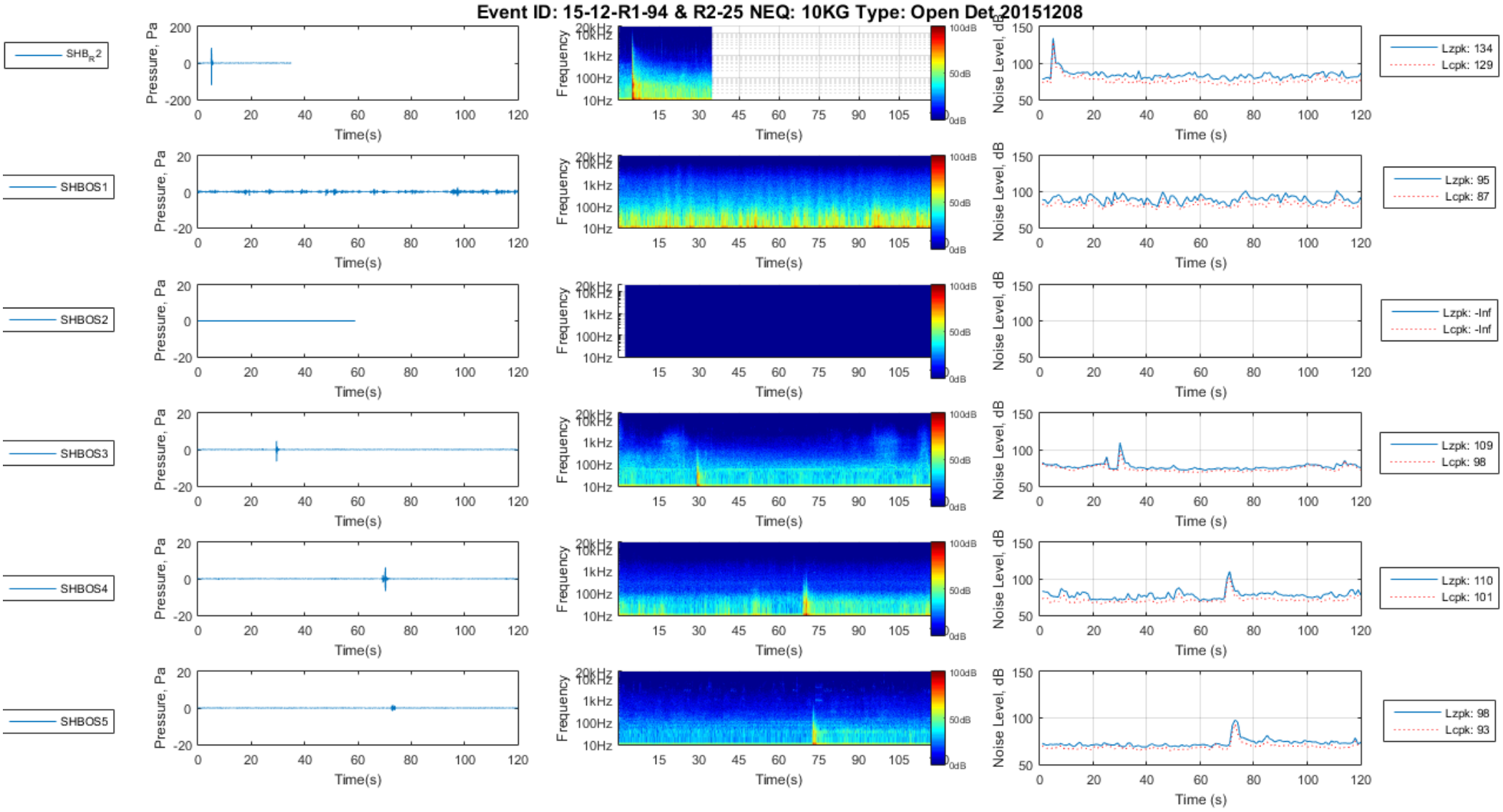
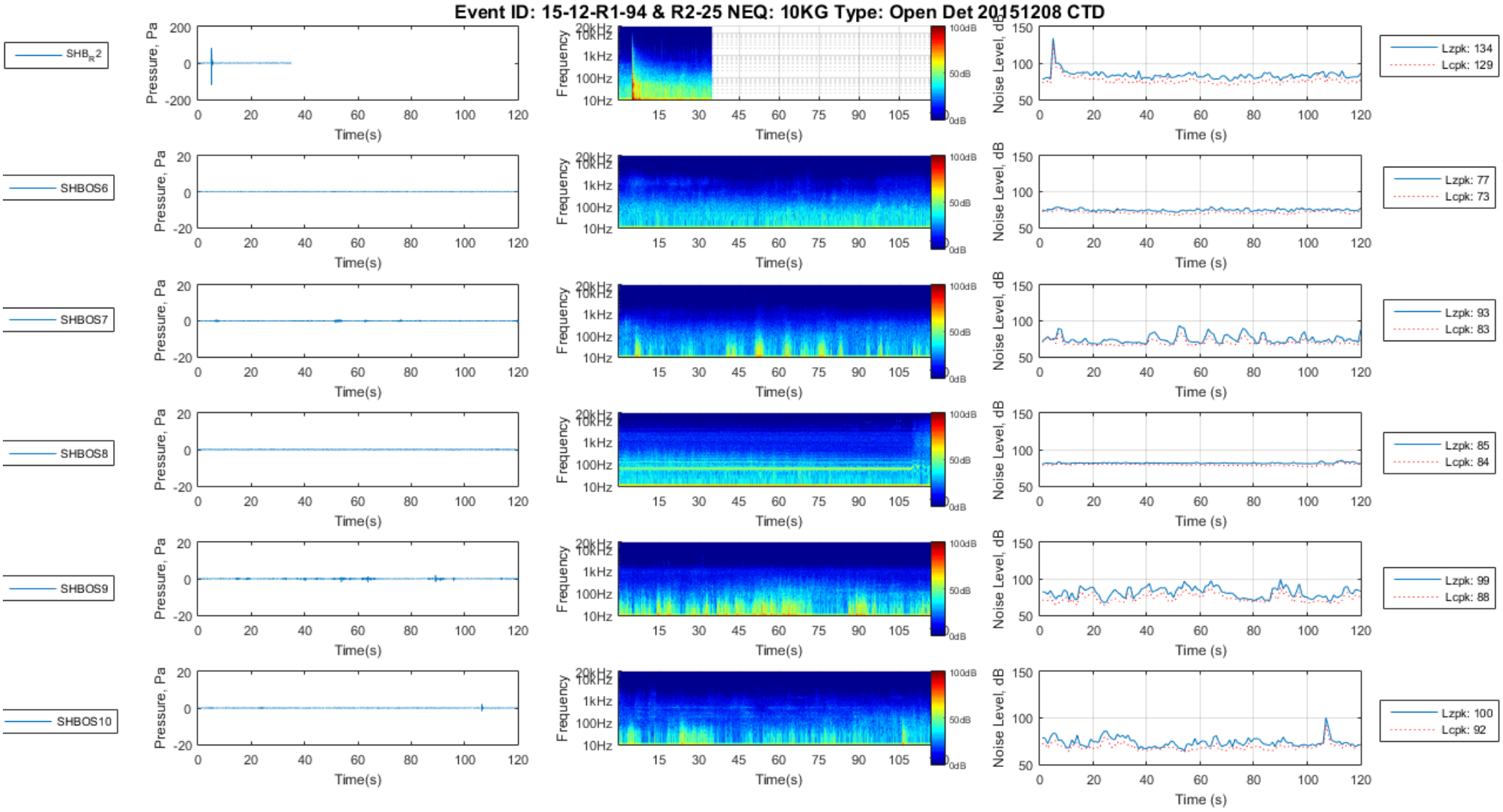


FIGURE 2.2175: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-94 & R2-25


Event ID: 15-12-R1-94 & R2-25 NEQ: 10KG Type: Open Det 20151208
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 134
Lcpk: 129
Lzpk: 95
Lcpk: 87
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 109
Lcpk: 98
Lzpk: 110
Lcpk: 101
Lzpk: 98
Lcpk: 93


Event ID: 15-12-R1-94 & R2-25 NEQ: 10KG Type: Open Det 20151208 CTD
SHB$_R$2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 134
Lcpk: 129
Lzpk: 77
Lcpk: 73
Lzpk: 93
Lcpk: 83
Lzpk: 85
Lcpk: 84
Lzpk: 99
Lcpk: 88
Lzpk: 100
Lcpk: 92

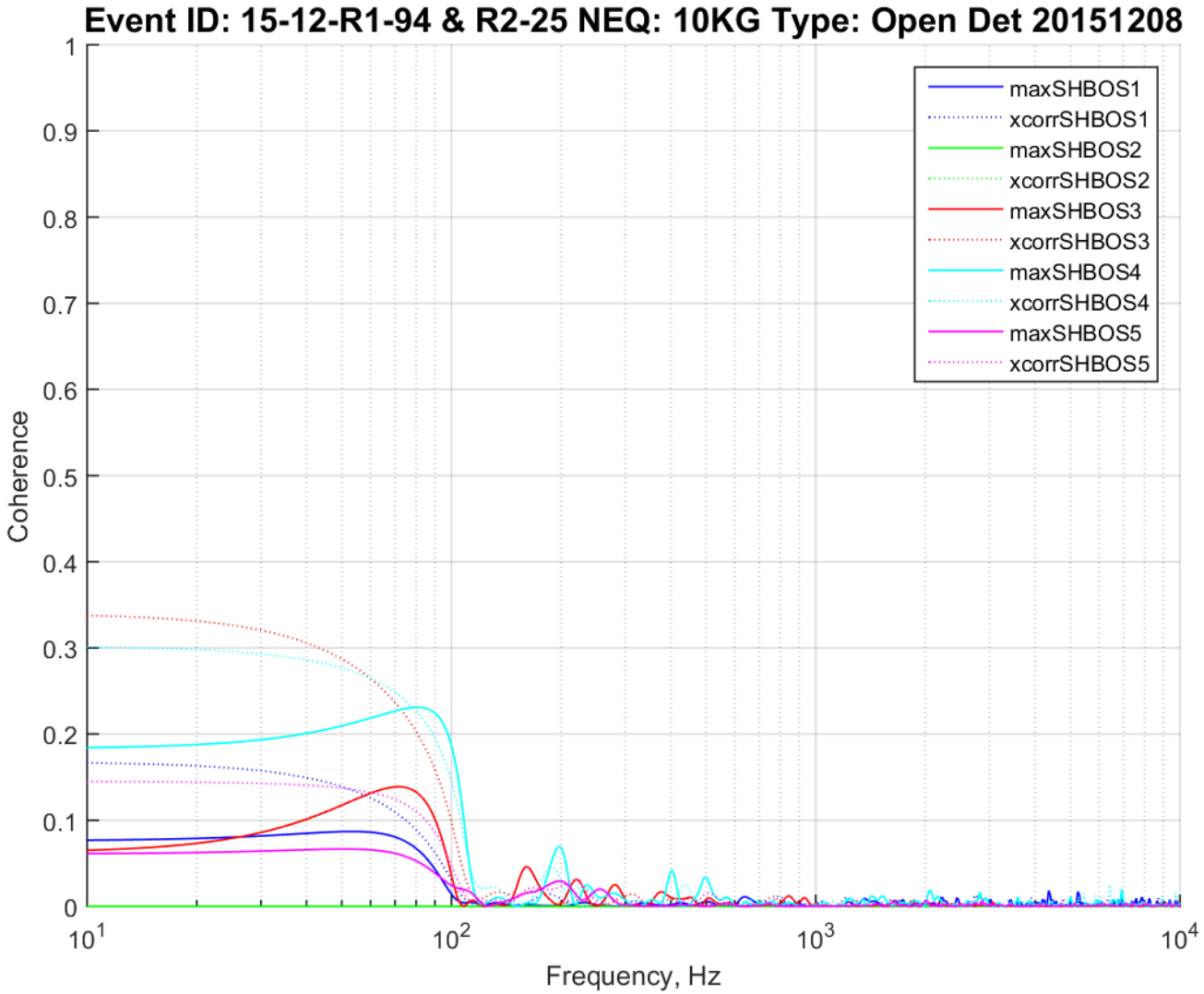


FIGURE 2.2178: COHERENCE SHB_OS 1 - 5 15-12-R1-94 & R2-25

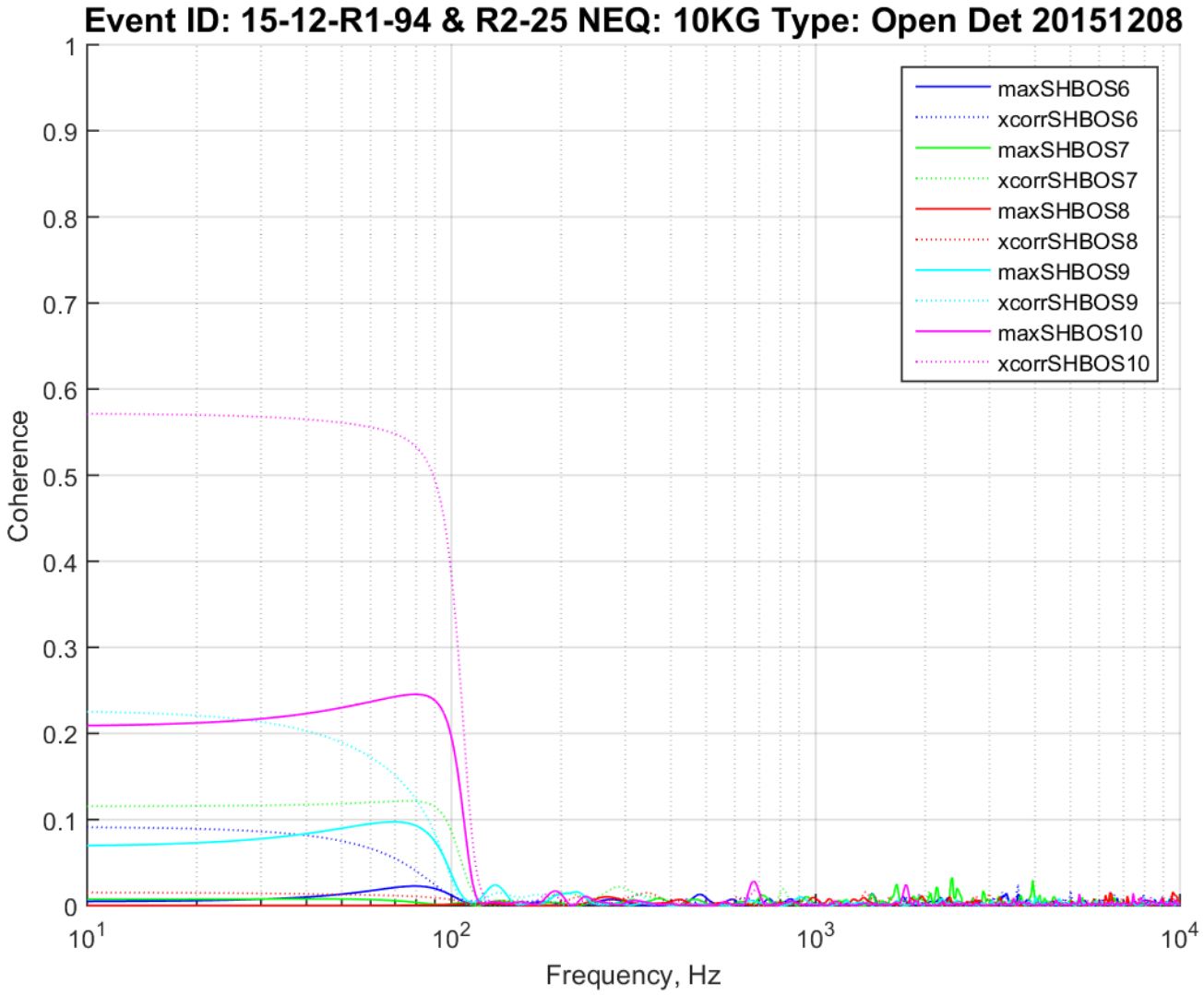


FIGURE 2.2179: COHERENCE SHB_OS 6 - 10 15-12-R1-94 & R2-25CTD

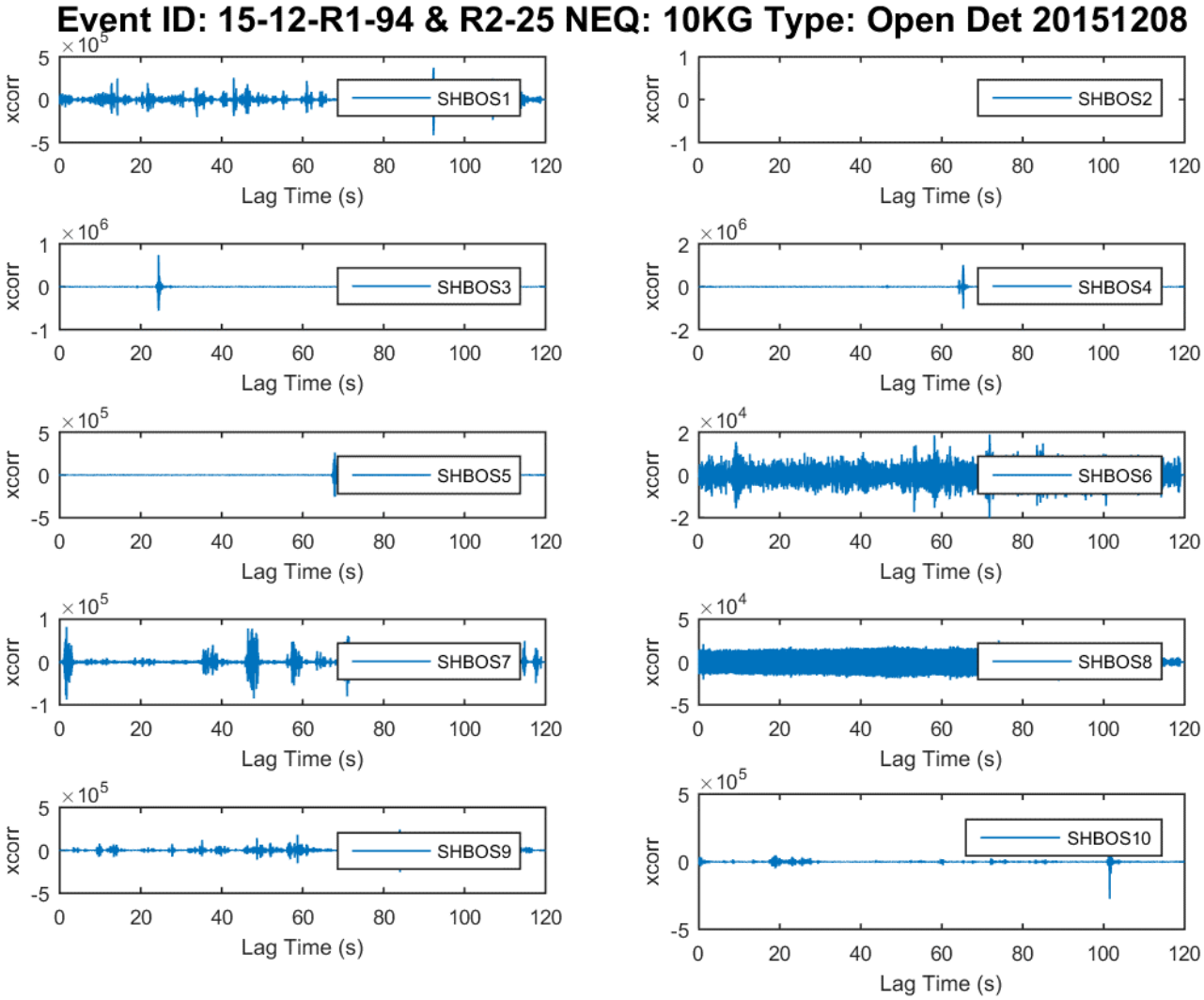
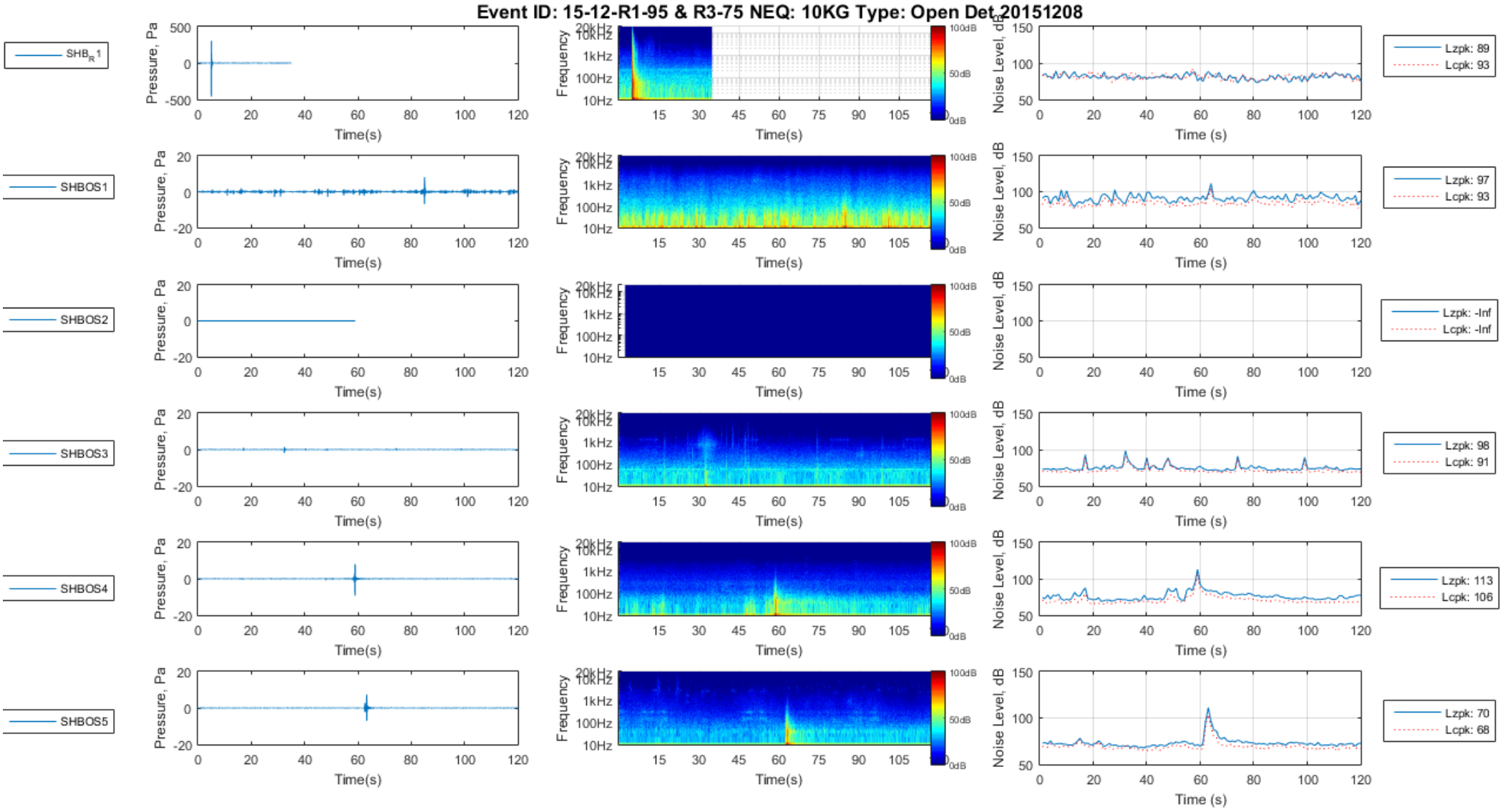
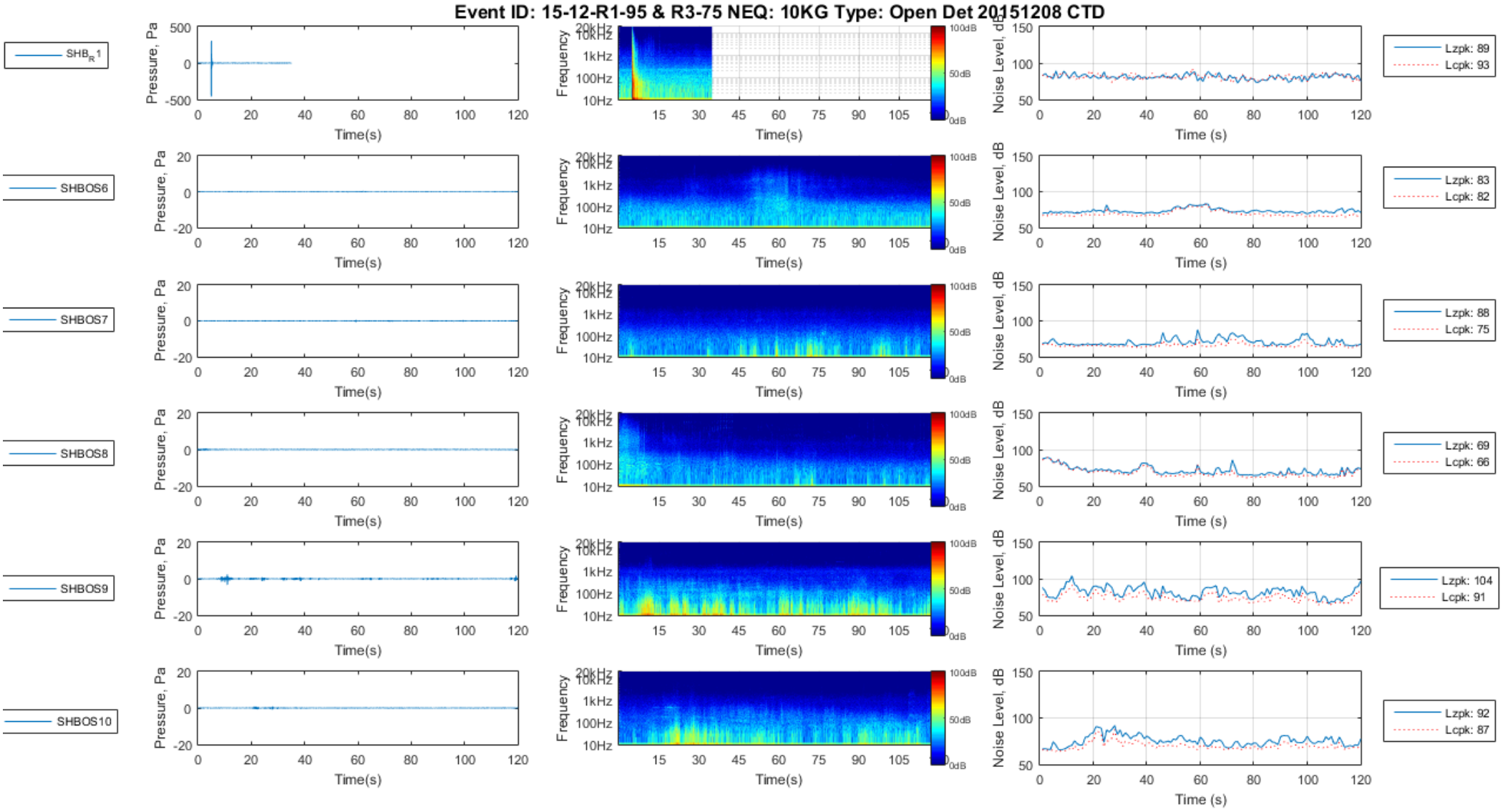


FIGURE 2.2180: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-94 & R2-25


Event ID: 15-12-R1-95 & R3-75 NEQ: 10KG Type: Open Det 20151208
SHB_R 1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 89
Lcpk: 93
Lzpk: 97
Lcpk: 93
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 98
Lcpk: 91
Lzpk: 113
Lcpk: 106
Lzpk: 70
Lcpk: 68


Event ID: 15-12-R1-95 & R3-75 NEQ: 10KG Type: Open Det 20151208 CTD
SHB$_R$ [1]
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 89
Lcpk: 93
Lzpk: 83
Lcpk: 82
Lzpk: 88
Lcpk: 75
Lzpk: 69
Lcpk: 66
Lzpk: 104
Lcpk: 91
Lzpk: 92
Lcpk: 87

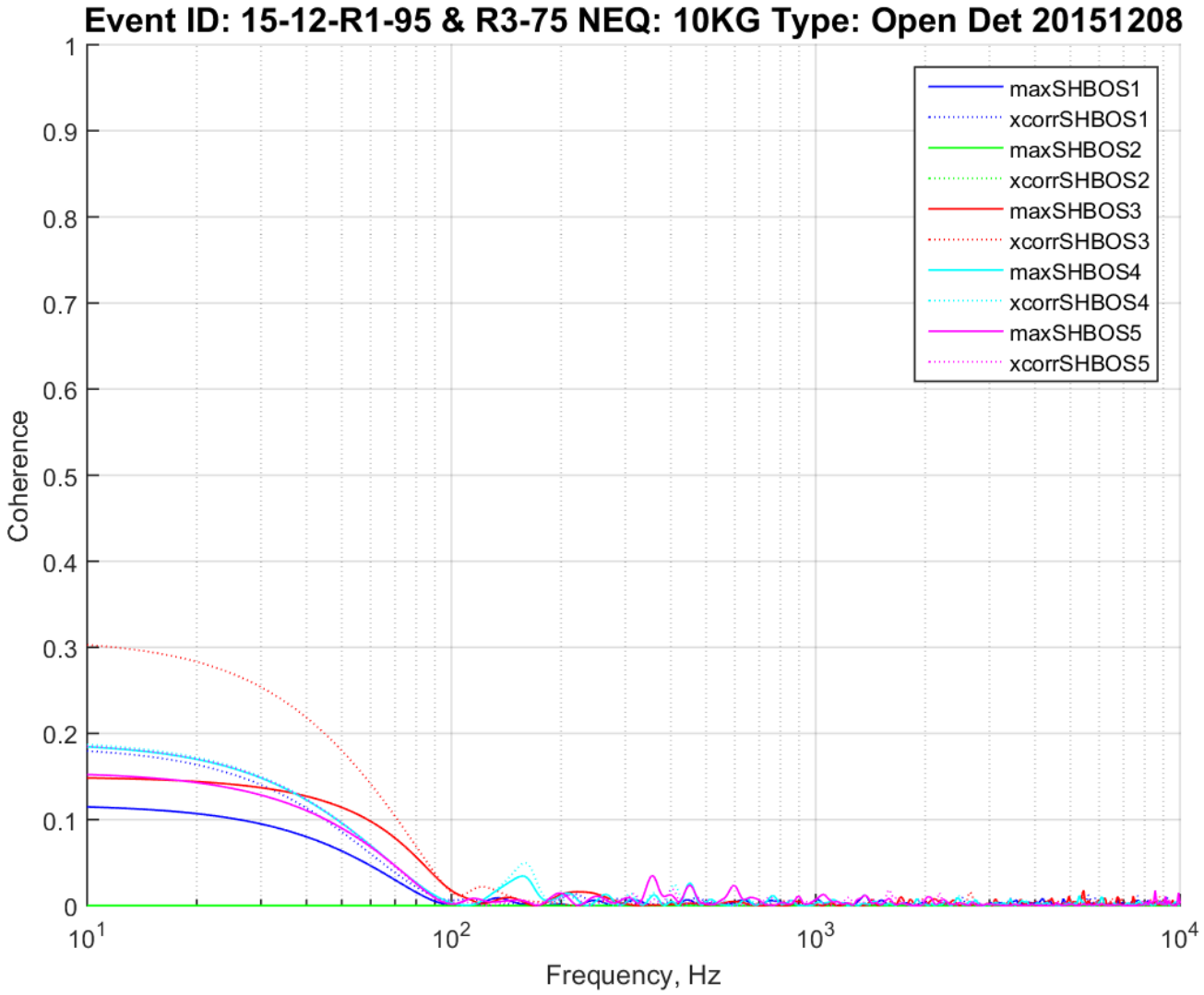


FIGURE 2.2183: COHERENCE SHB_OS 1 - 5 15-12-R1-95 & R3-75

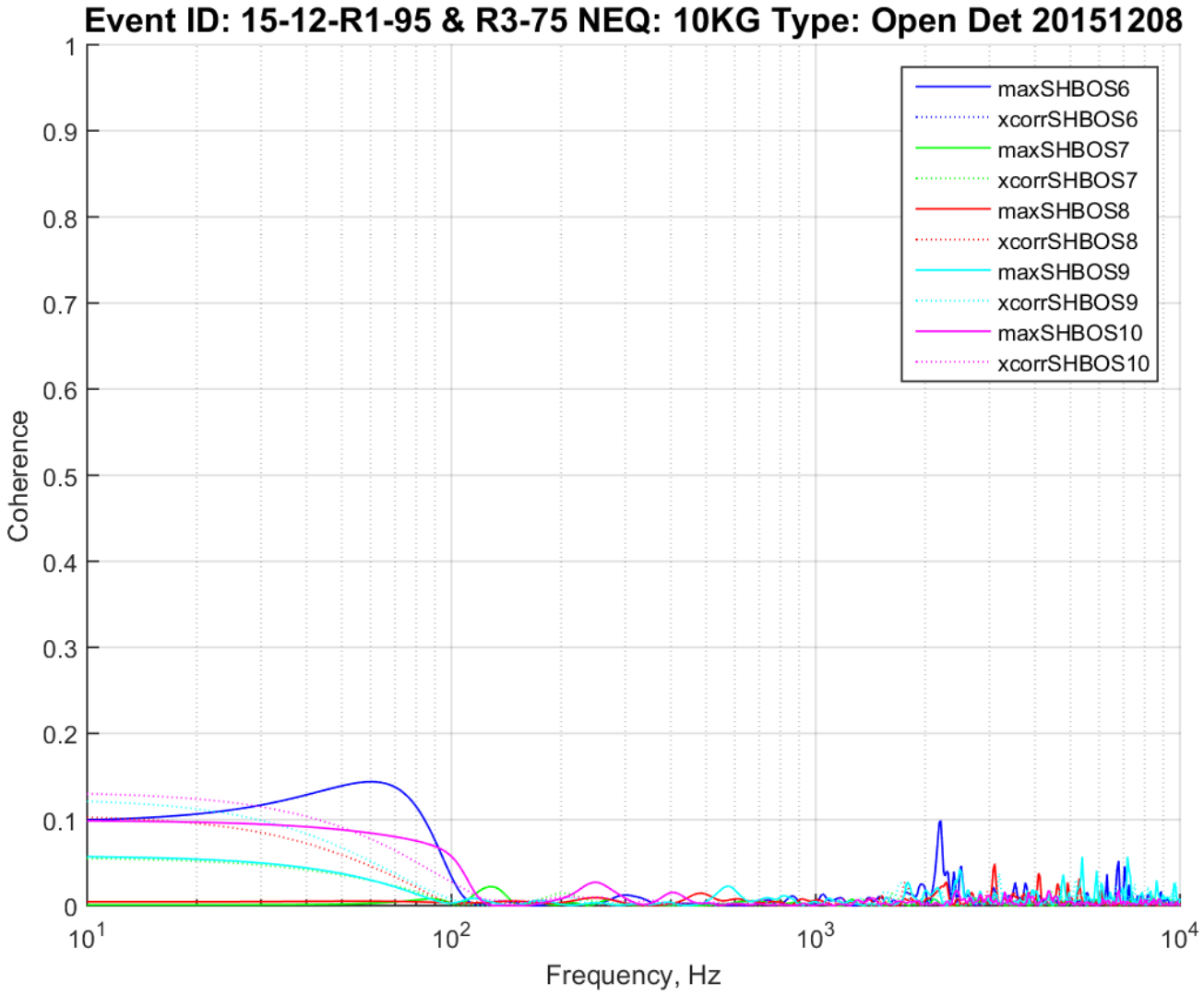


FIGURE 2.2184: COHERENCE SHB_OS 6 - 10 15-12-R1-95 & R3-75CTD

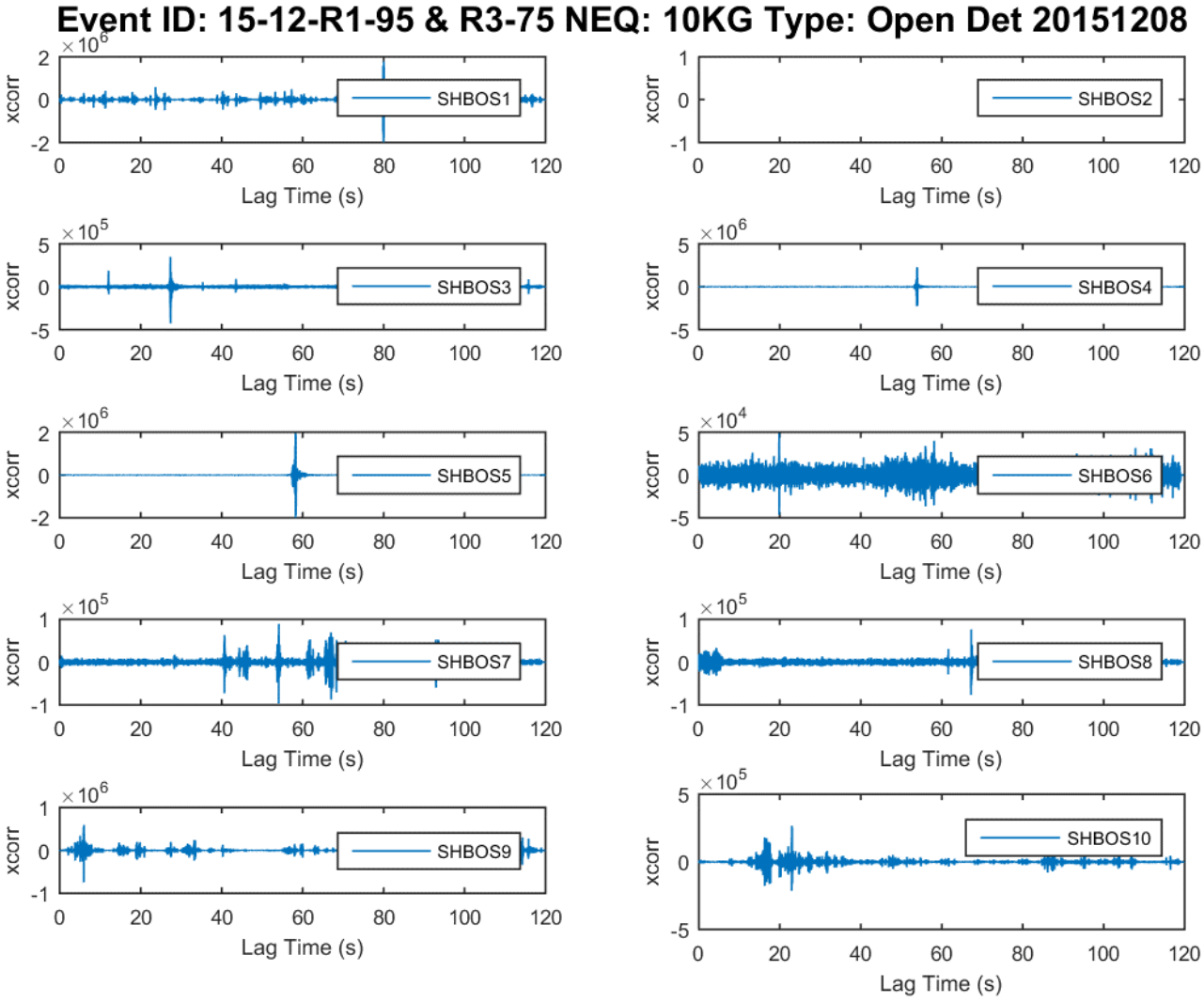


FIGURE 2.2185: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-95 & R3-75

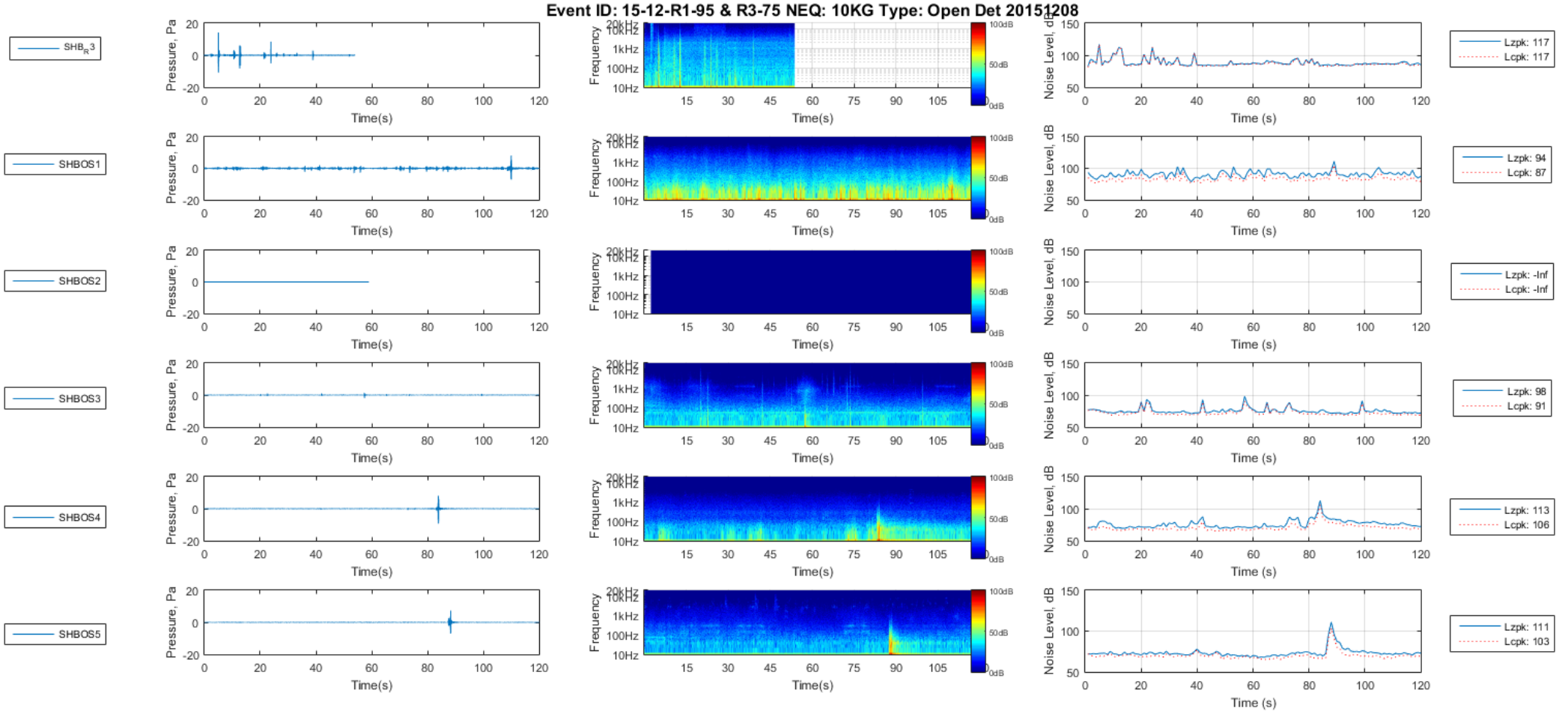


FIGURE 2.2186: SHB_OS 1 - 5 15-12-R1-95 & R3-75

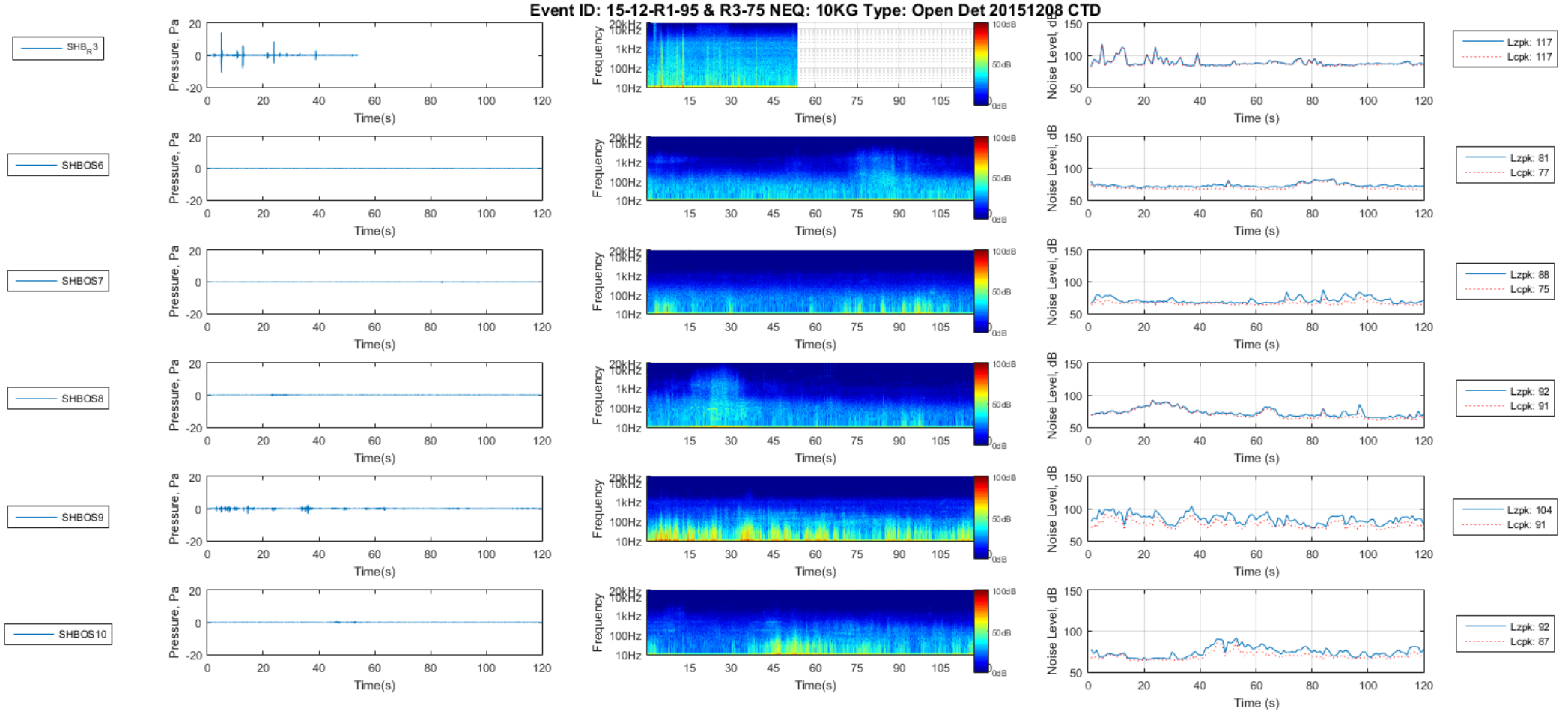


FIGURE 2.2187: SHB_OS 6 - 10 15-12-R1-95 & R3-75

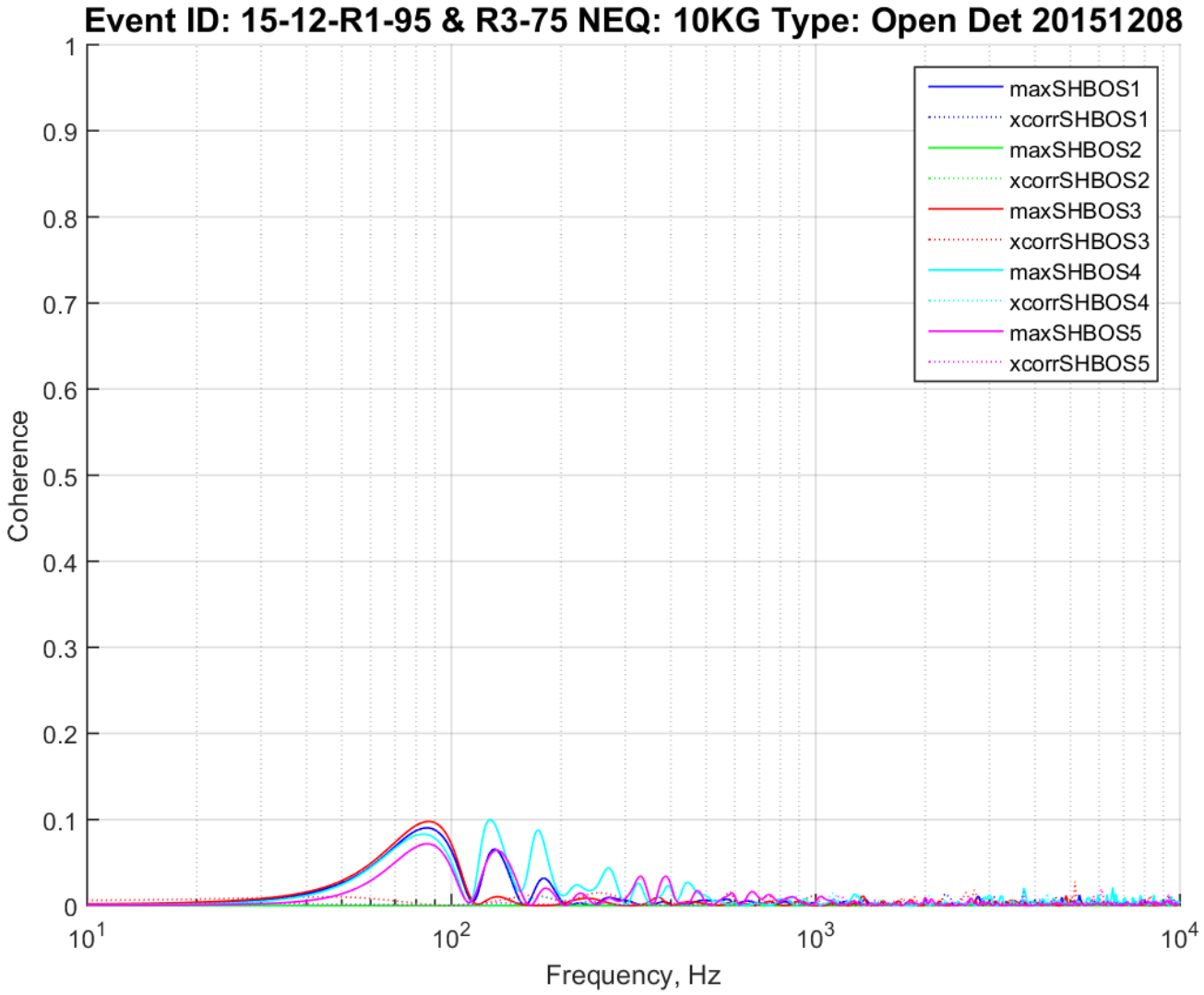


FIGURE 2.2188: COHERENCE SHB_OS 1 - 5 15-12-R1-95 & R3-75

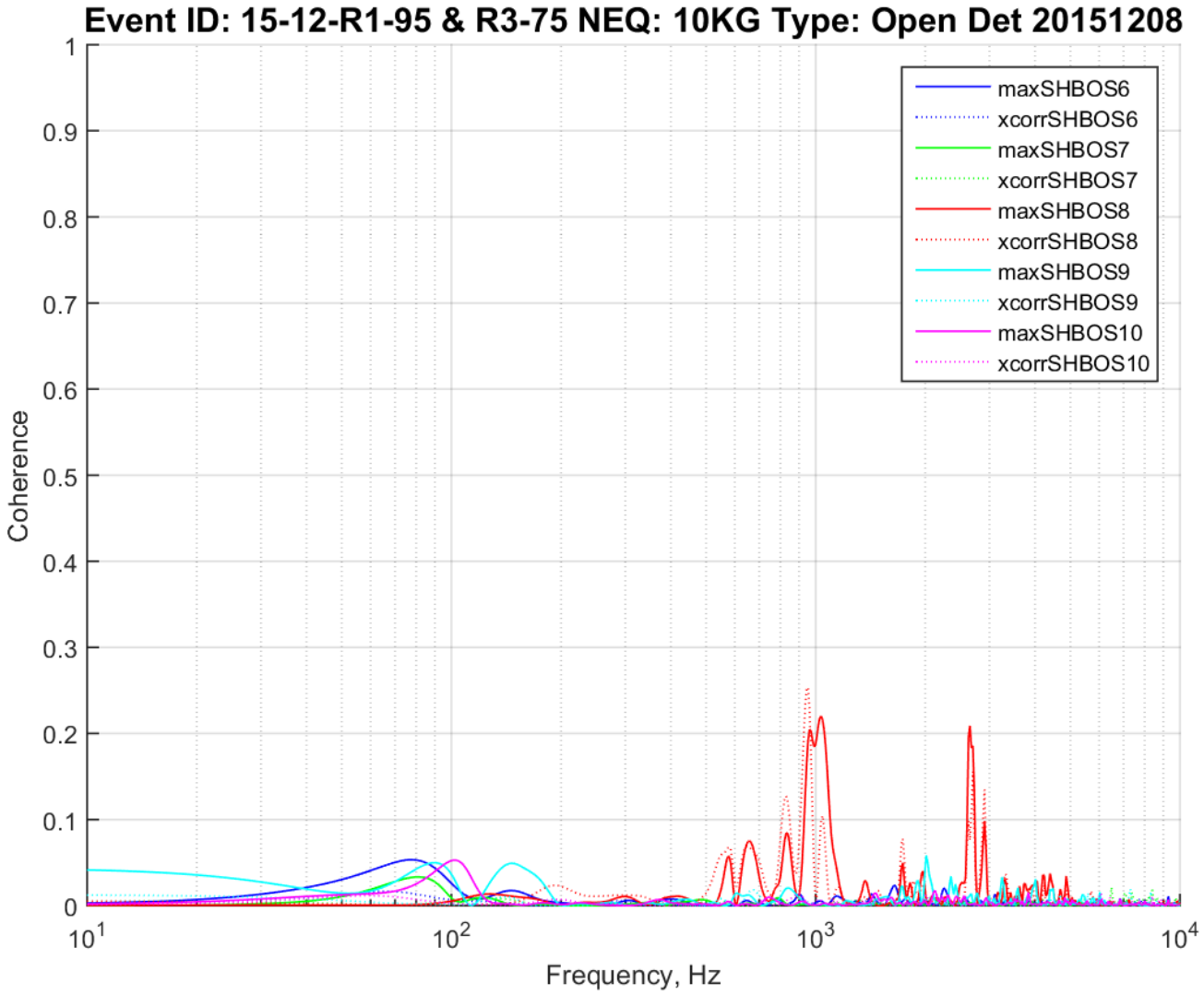


FIGURE 2.2189: COHERENCE SHB_OS 6 - 10 15-12-R1-95 & R3-75CTD

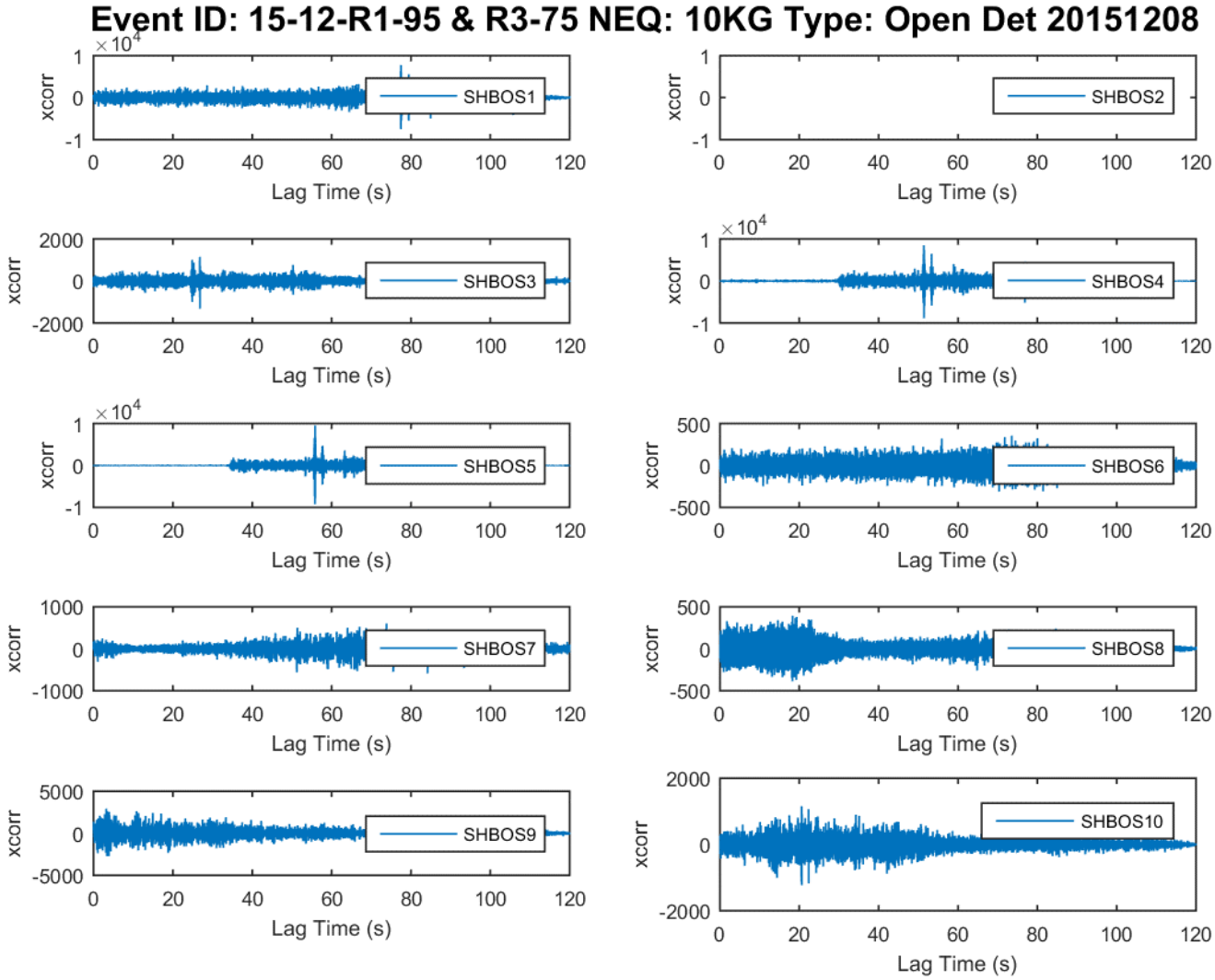
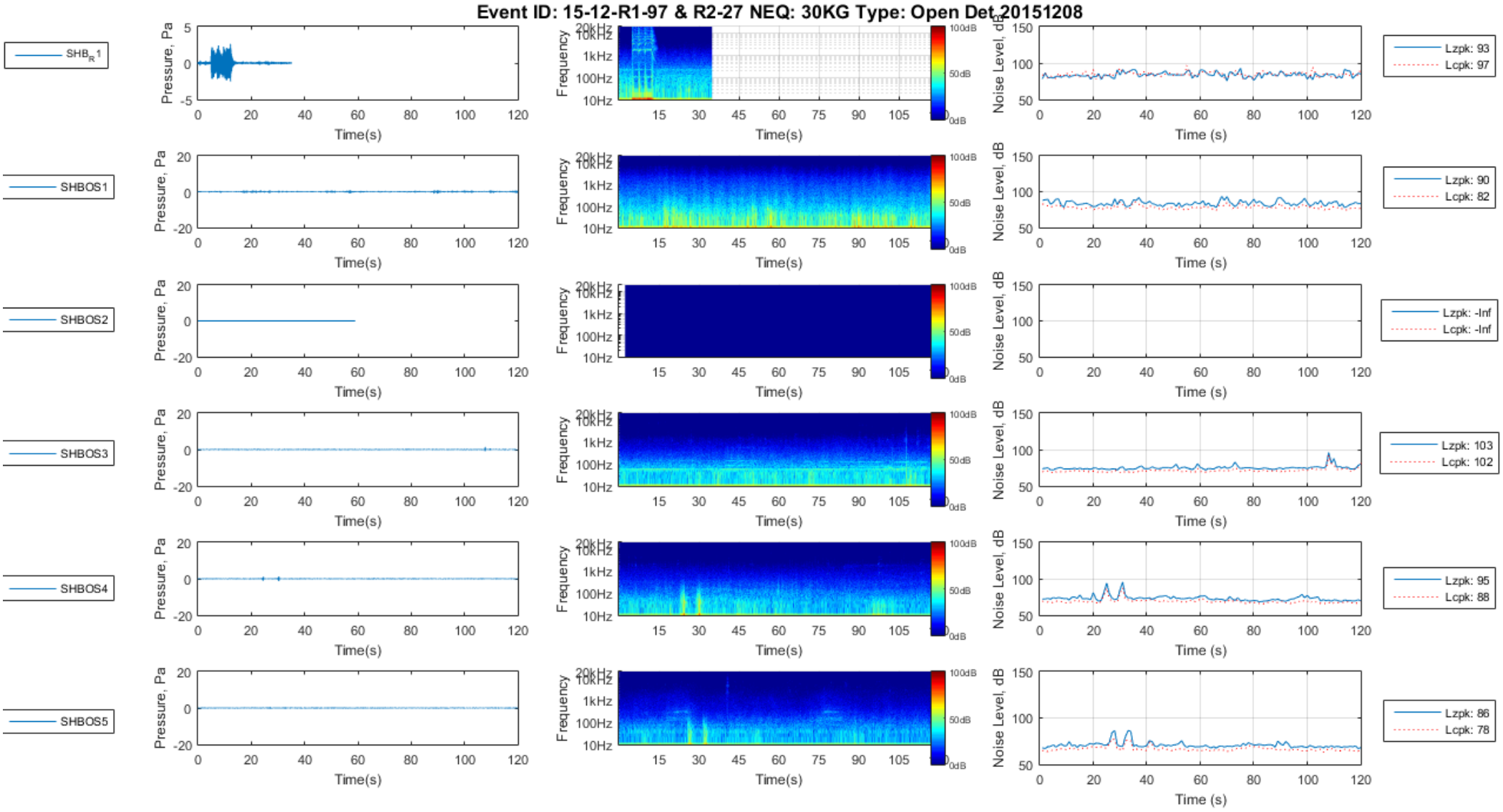
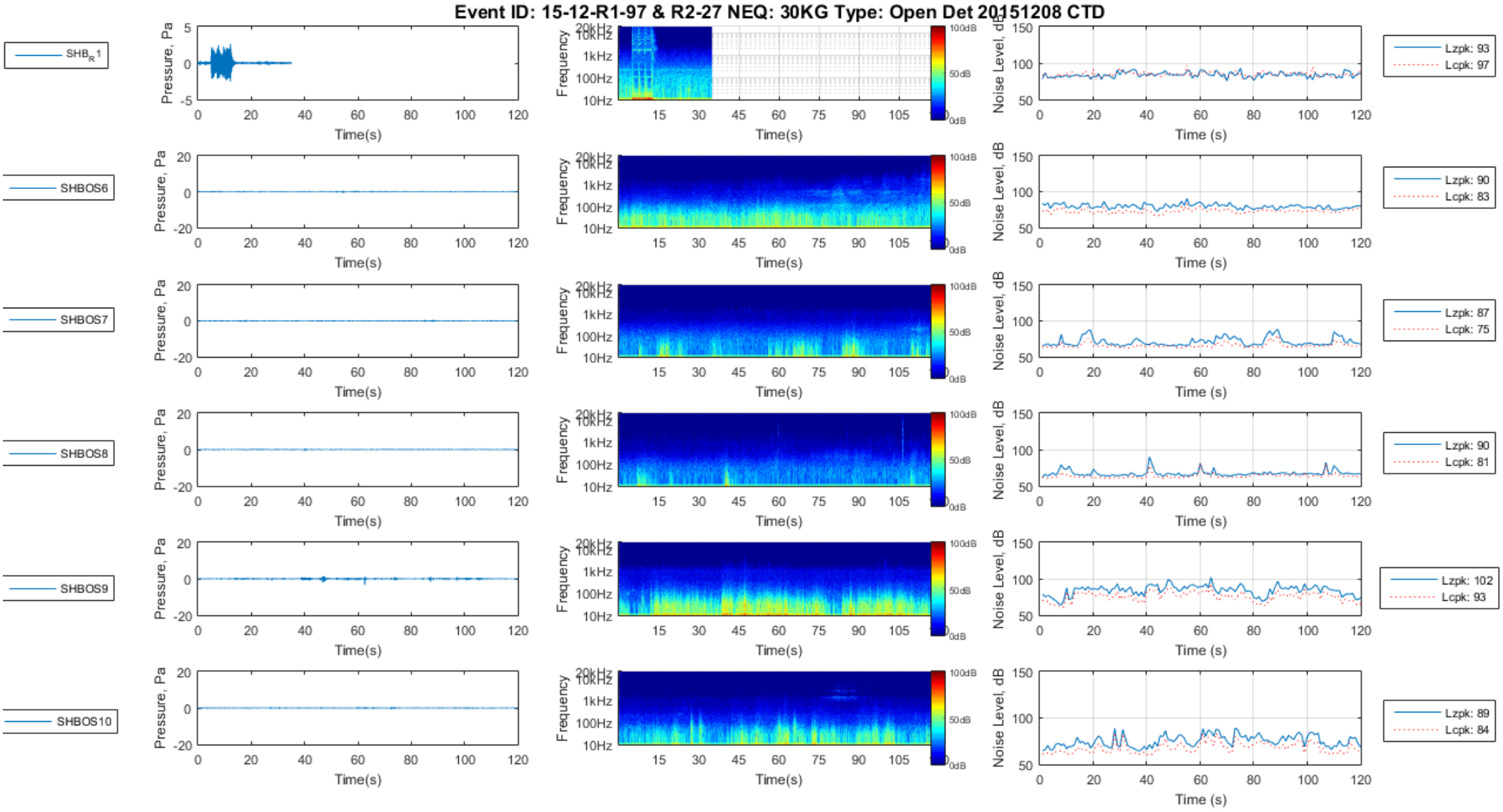


FIGURE 2.2190: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-95 & R3-75


Event ID: 15-12-R1-97 & R2-27 NEQ: 30KG Type: Open Det 20151208
SHB$_R$ [1]
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 93
Lcpk: 97
Lzpk: 90
Lcpk: 82
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 103
Lcpk: 102
Lzpk: 95
Lcpk: 88
Lzpk: 86
Lcpk: 78


Event ID: 15-12-R1-97 & R2-27 NEQ: 30KG Type: Open Det 20151208 CTD
SHB_R1
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 93
Lcpk: 97
Lzpk: 90
Lcpk: 83
Lzpk: 87
Lcpk: 75
Lzpk: 90
Lcpk: 81
Lzpk: 102
Lcpk: 93
Lzpk: 89
Lcpk: 84

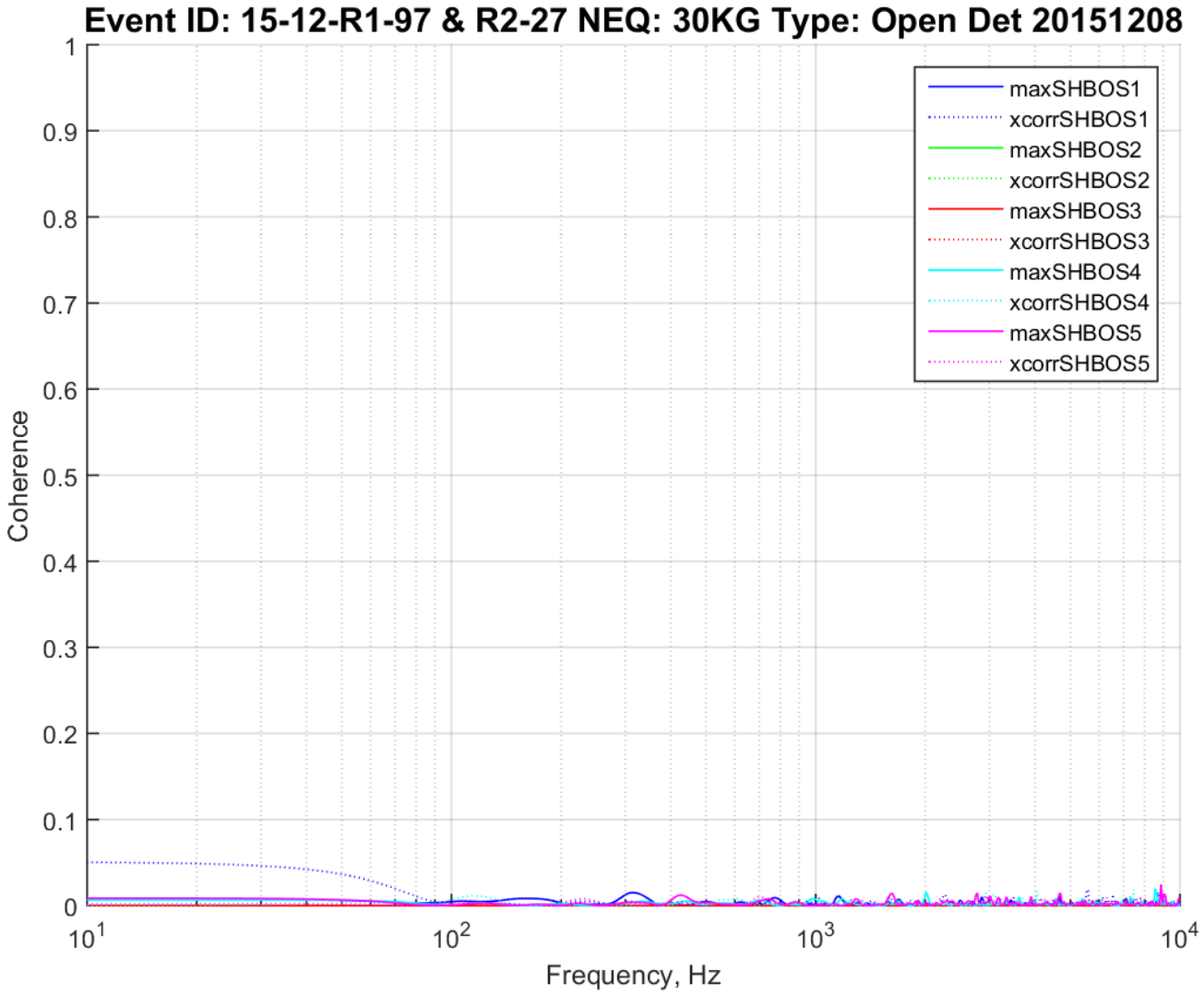


FIGURE 2.2193: COHERENCE SHB_OS 1 - 5 15-12-R1-97 & R2-27

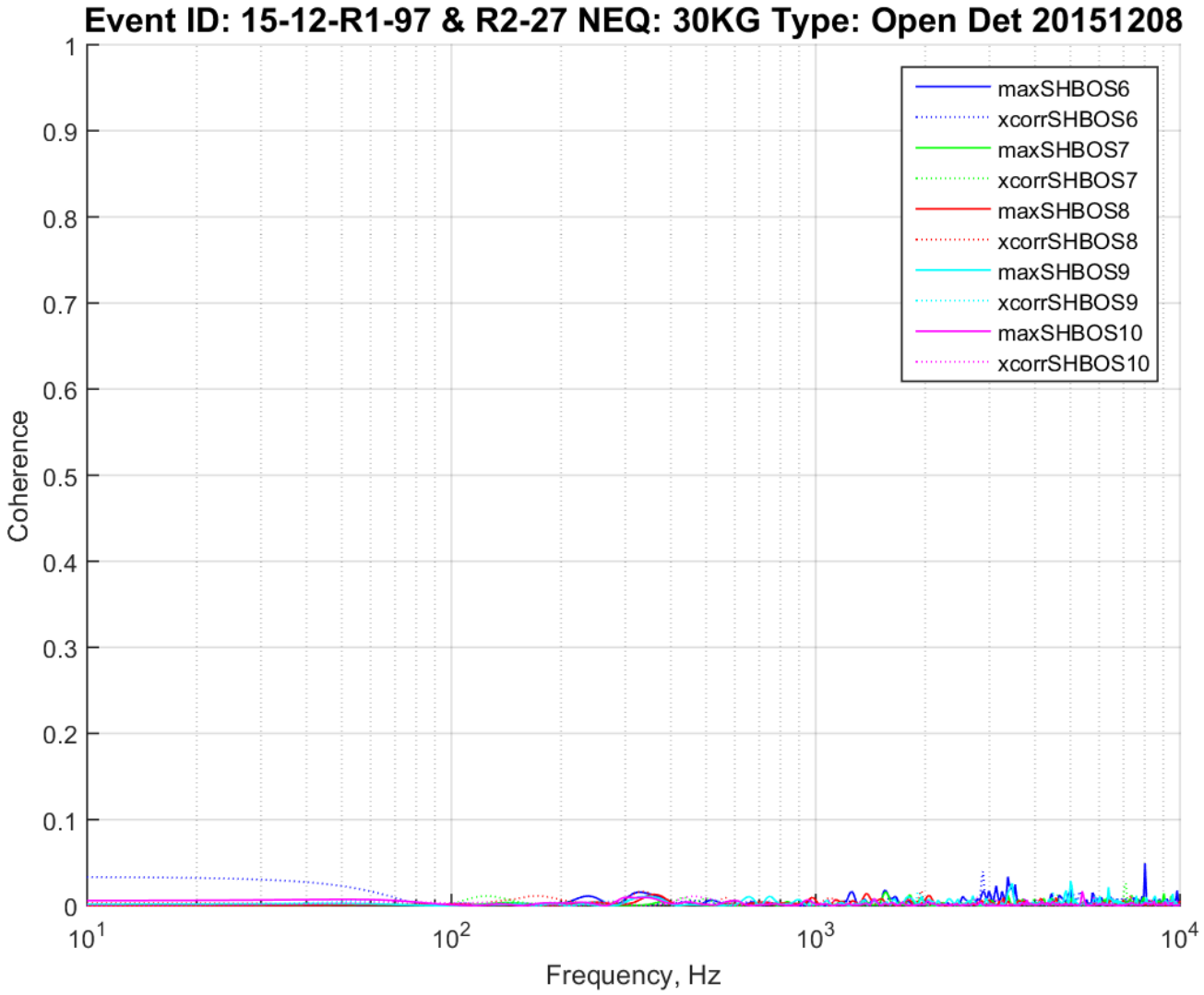


FIGURE 2.2194: COHERENCE SHB_OS 6 - 10 15-12-R1-97 & R2-27CTD

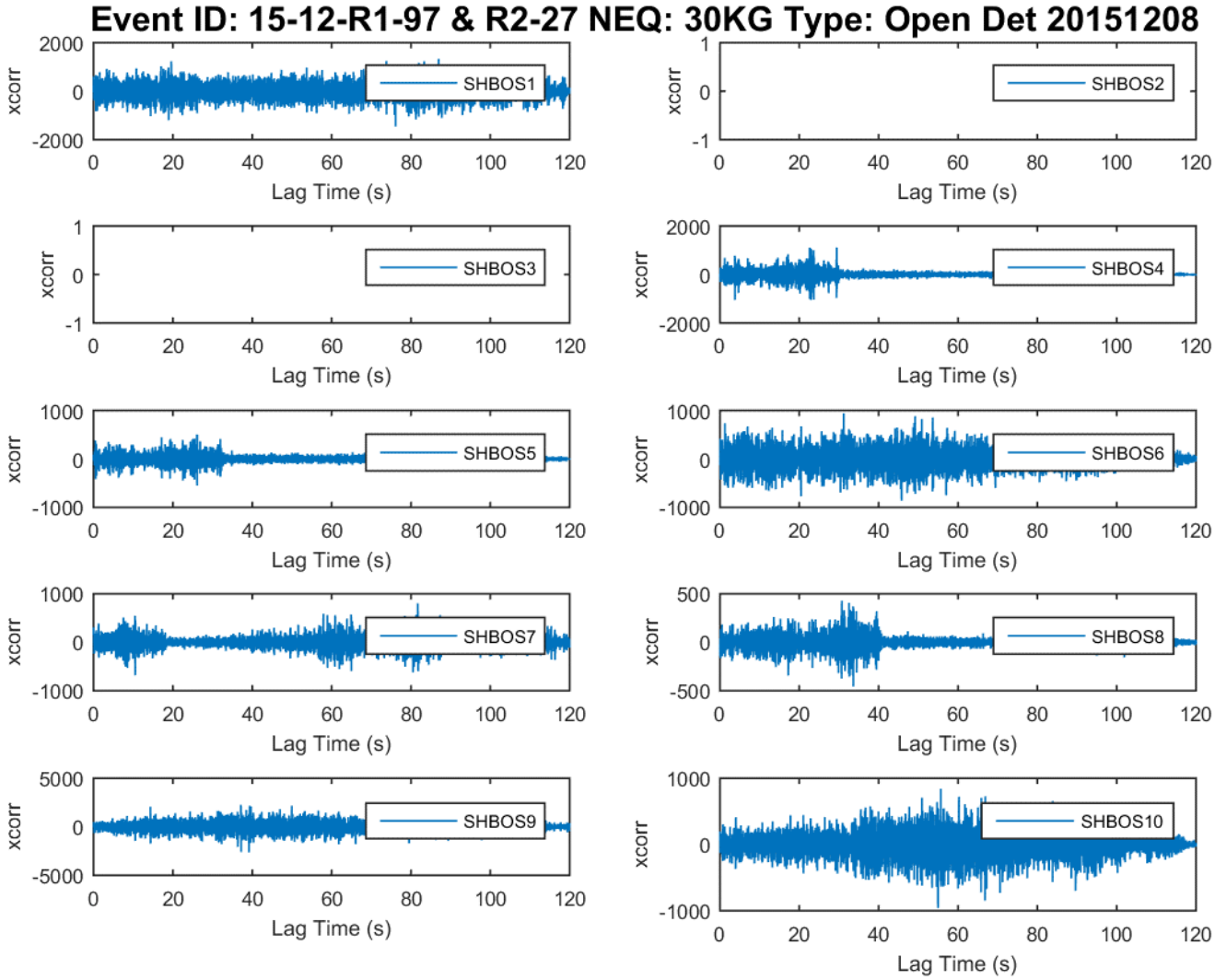
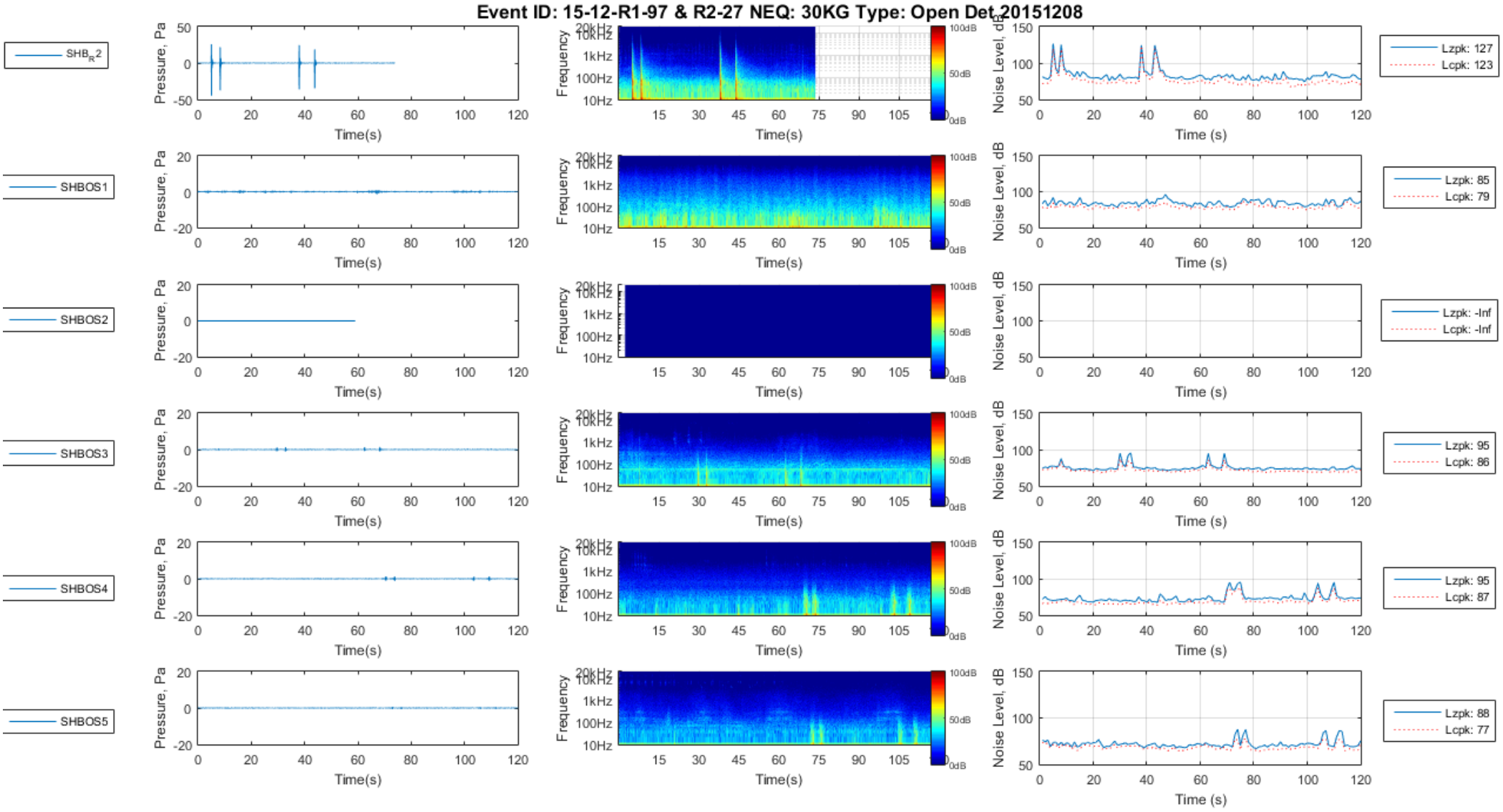
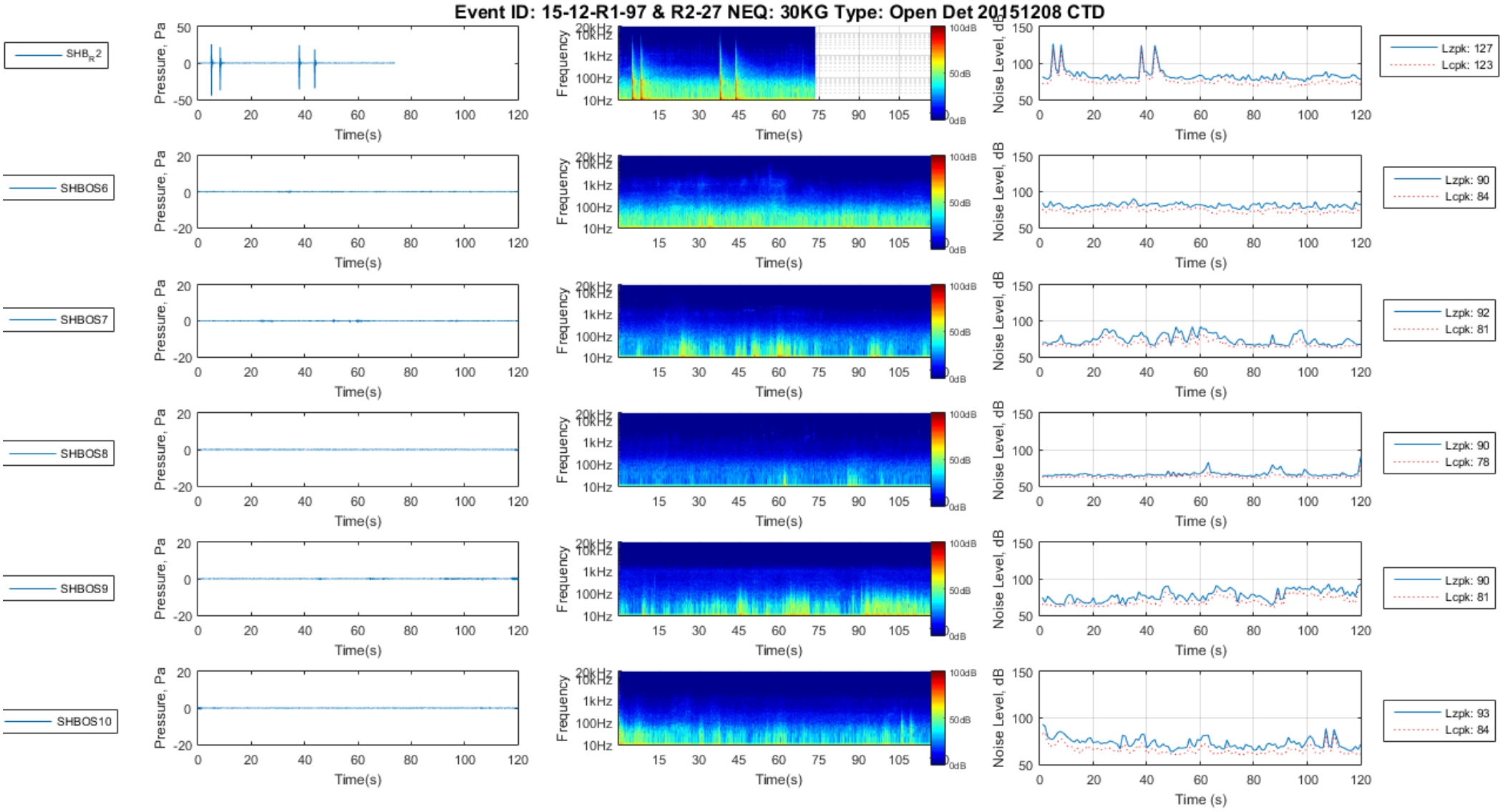


FIGURE 2.2195: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-97 & R2-27


Event ID: 15-12-R1-97 & R2-27 NEQ: 30KG Type: Open Det 20151208
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 127
Lcpk: 123
Lzpk: 85
Lcpk: 79
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 95
Lcpk: 86
Lzpk: 95
Lcpk: 87
Lzpk: 88
Lcpk: 77


Event ID: 15-12-R1-97 & R2-27 NEQ: 30KG Type: Open Det 20151208 CTD
SHB$_R$2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 127
Lcpk: 123
Lzpk: 90
Lcpk: 84
Lzpk: 92
Lcpk: 81
Lzpk: 90
Lcpk: 78
Lzpk: 90
Lcpk: 81
Lzpk: 93
Lcpk: 84

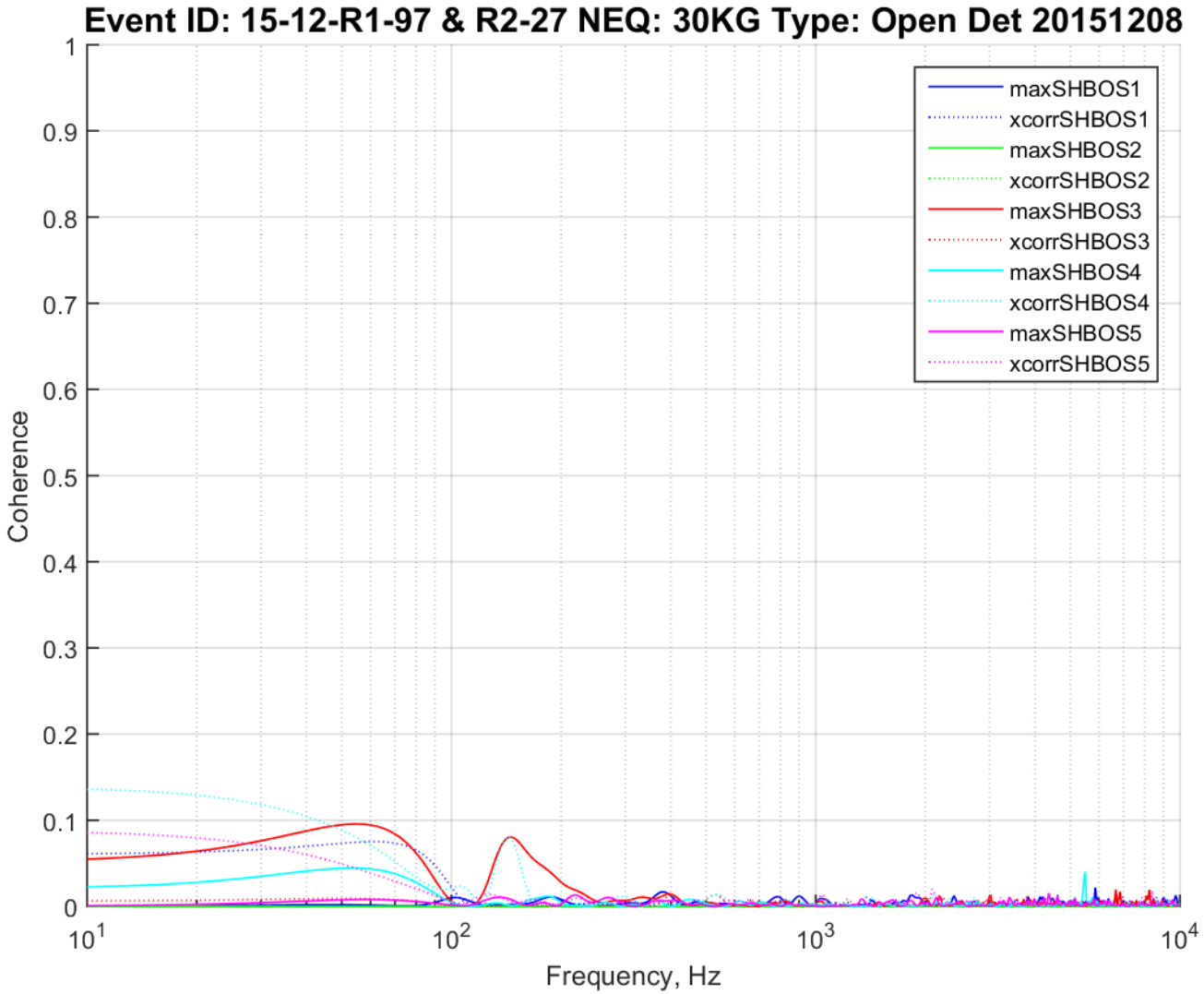


FIGURE 2.2198: COHERENCE SHB_OS 1 - 5 15-12-R1-97 & R2-27

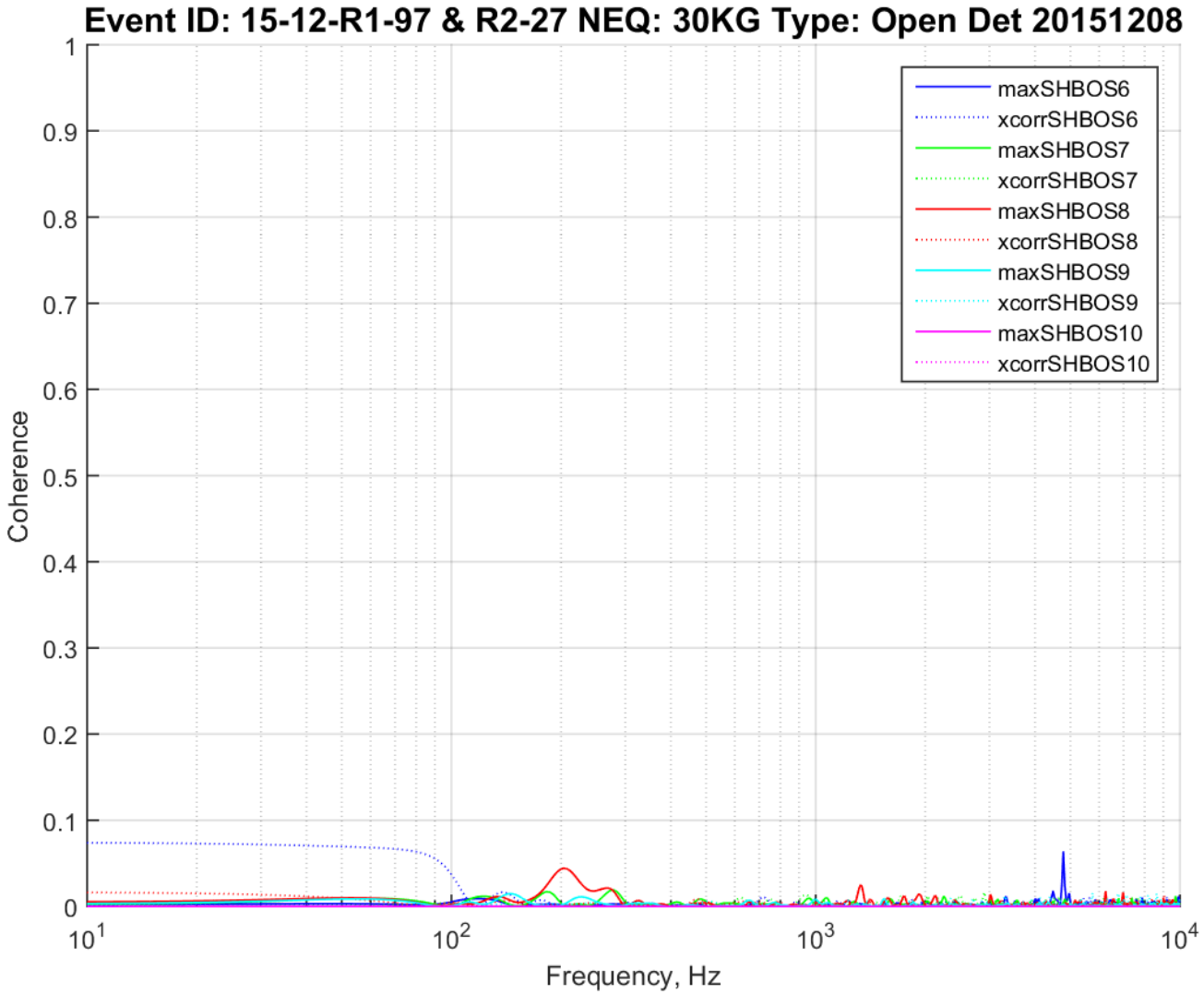


FIGURE 2.2199: COHERENCE SHB_OS 6 - 10 15-12-R1-97 & R2-27CTD

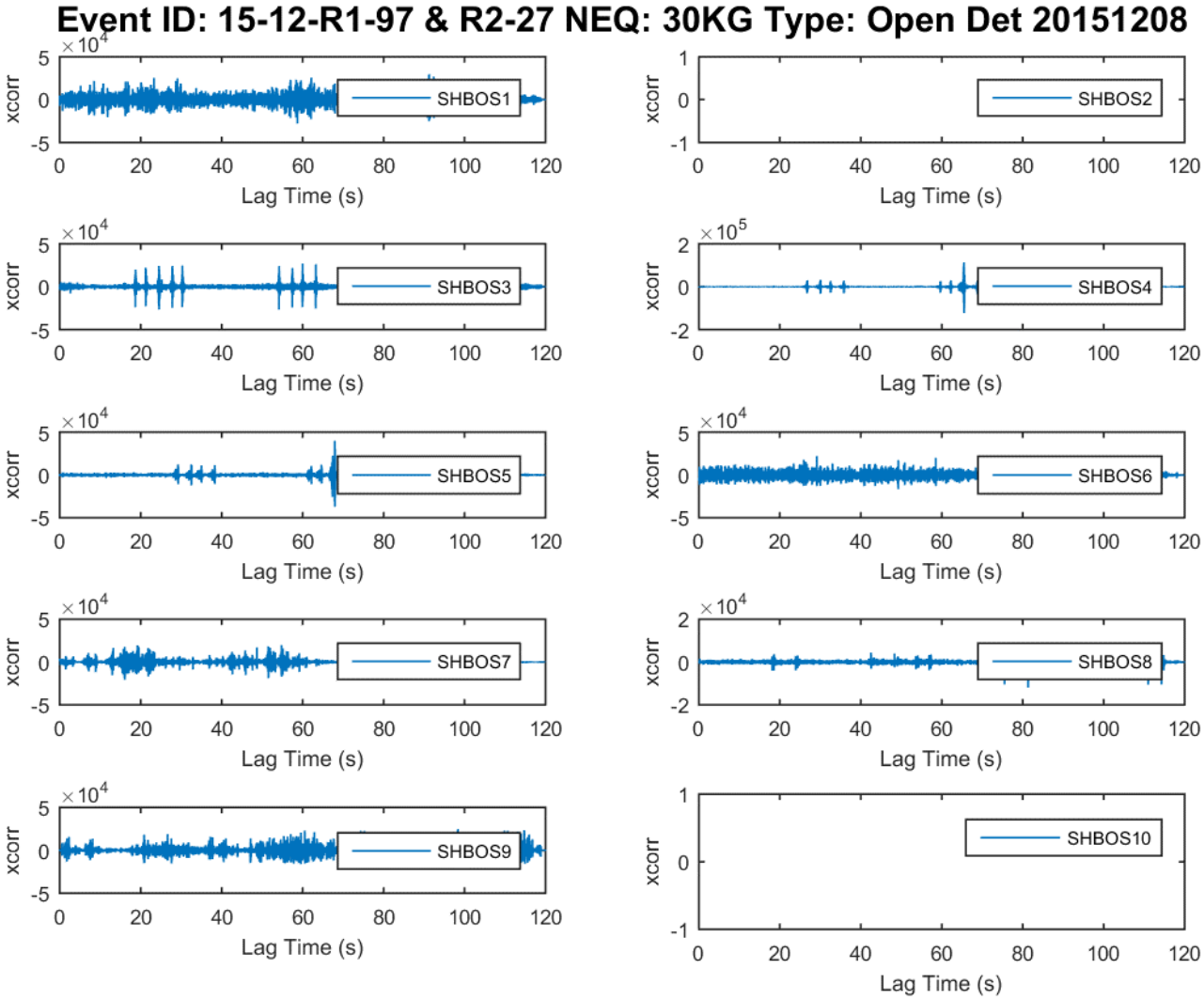
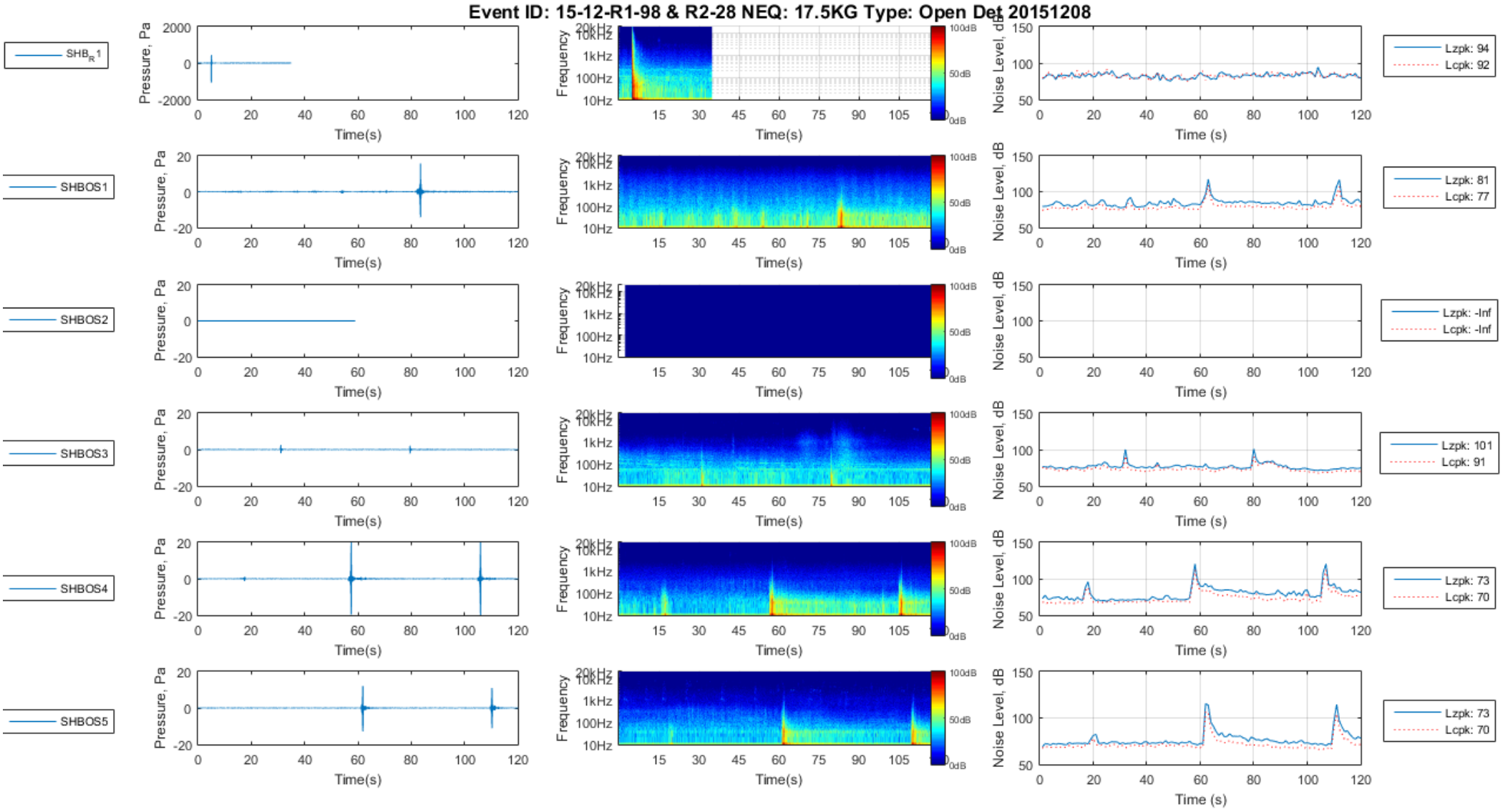
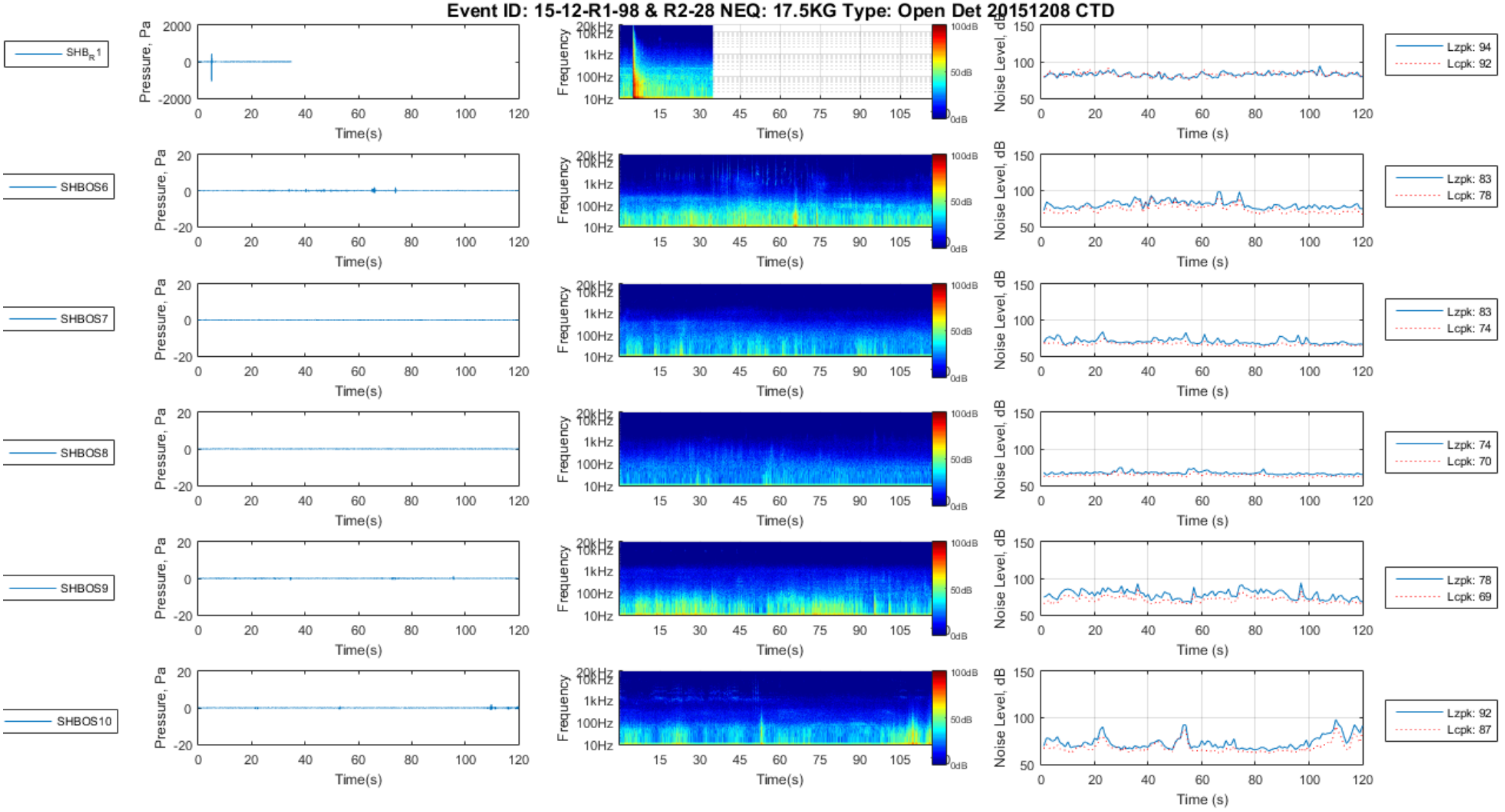


FIGURE 2.2200: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-97 & R2-27


Event ID: 15-12-R1-98 & R2-28 NEQ: 17.5KG Type: Open Det 20151208
SHB_R1
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Frequency
Noise Level, dB
Time(s)
Time (s)
Lzpk: 94
Lcpk: 92
Lzpk: 81
Lcpk: 77
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 101
Lcpk: 91
Lzpk: 73
Lcpk: 70
Lzpk: 73
Lcpk: 70


Event ID: 15-12-R1-98 & R2-28 NEQ: 17.5KG Type: Open Det 20151208 CTD
SHB$_R$ [1]
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 94
Lcpk: 92
Lzpk: 83
Lcpk: 78
Lzpk: 83
Lcpk: 74
Lzpk: 74
Lcpk: 70
Lzpk: 78
Lcpk: 69
Lzpk: 92
Lcpk: 87

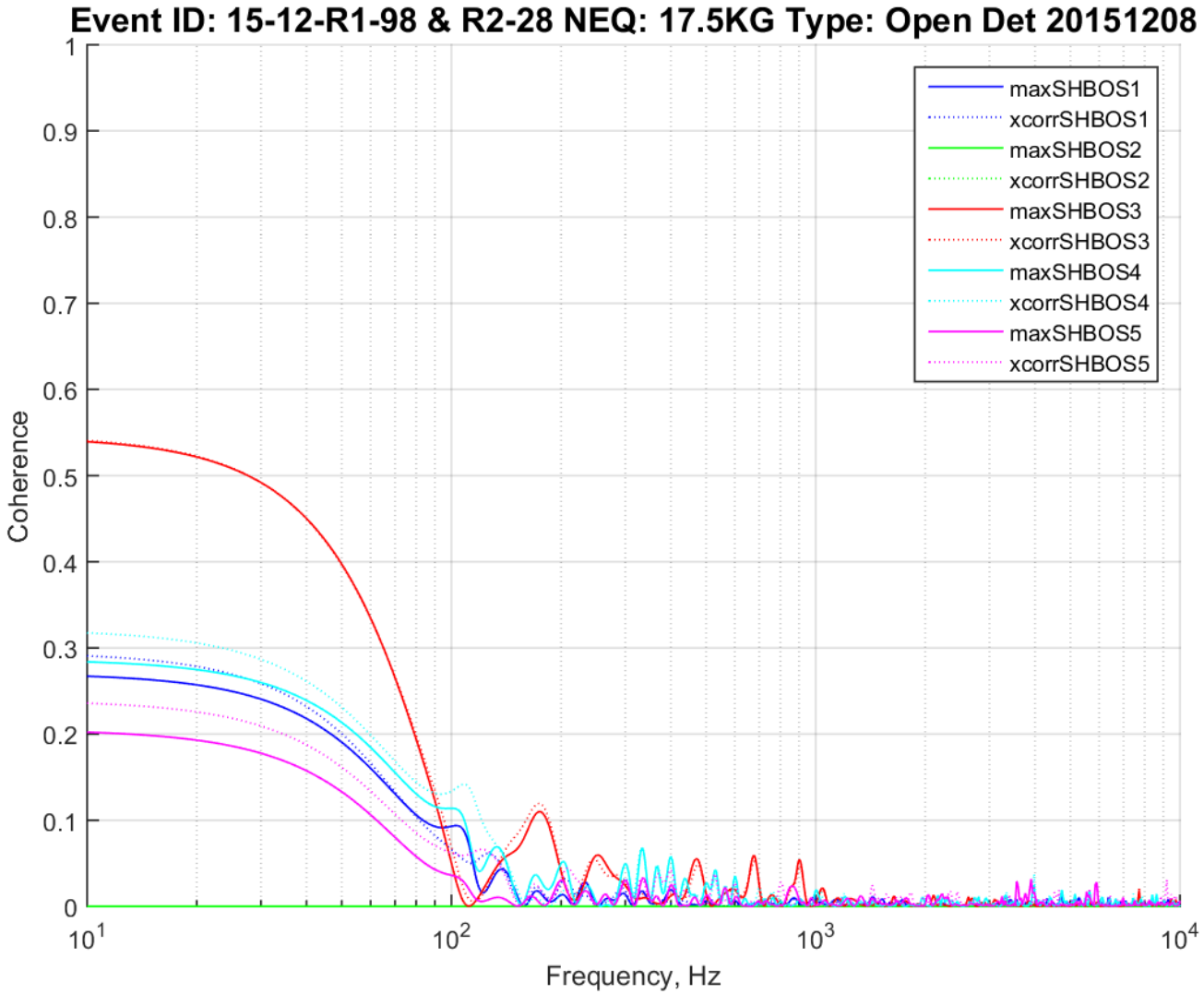


FIGURE 2.2203: COHERENCE SHB_OS 1 - 5 15-12-R1-98 & R2-28

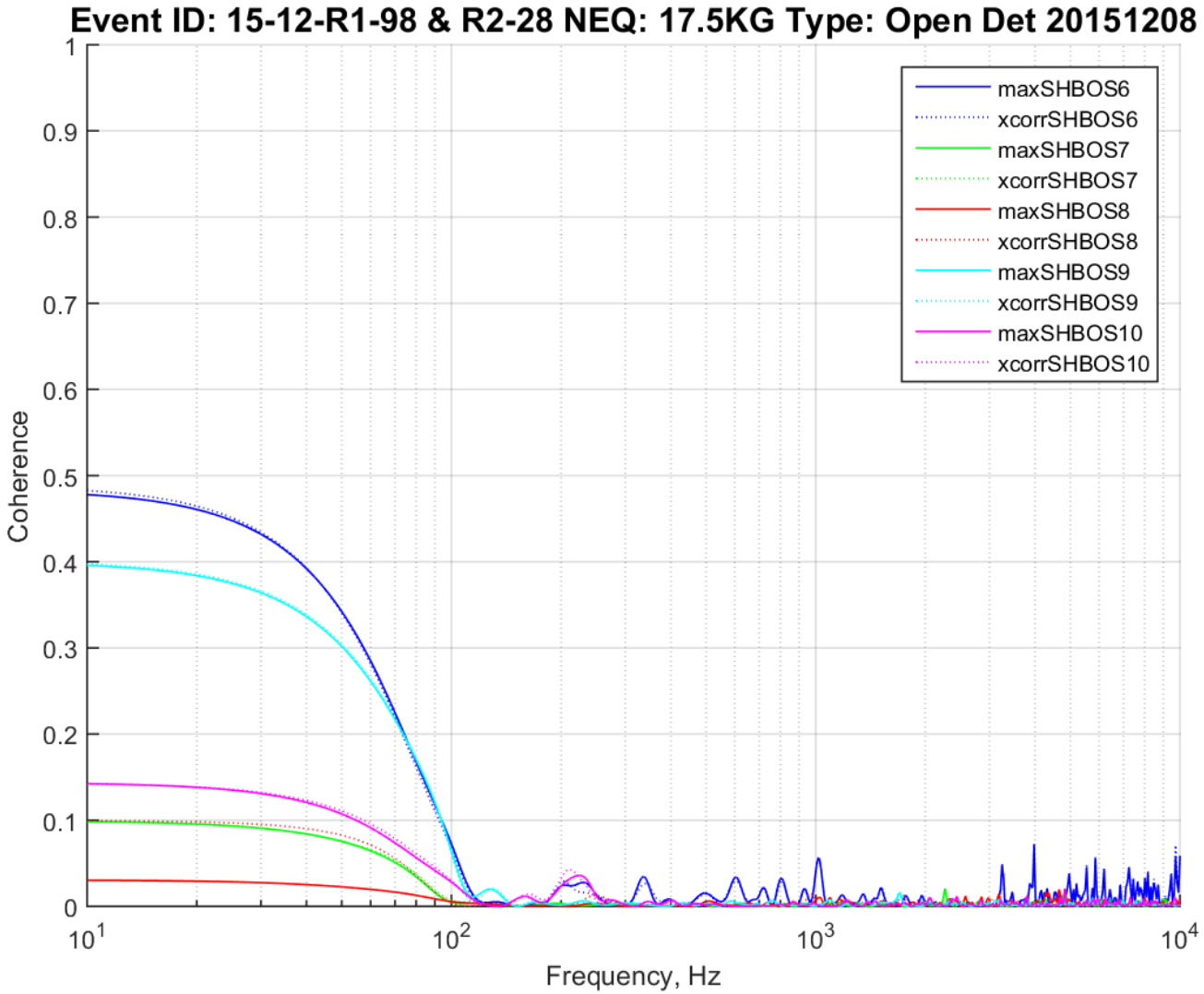


FIGURE 2.2204: COHERENCE SHB_OS 6 - 10 15-12-R1-98 & R2-28CTD

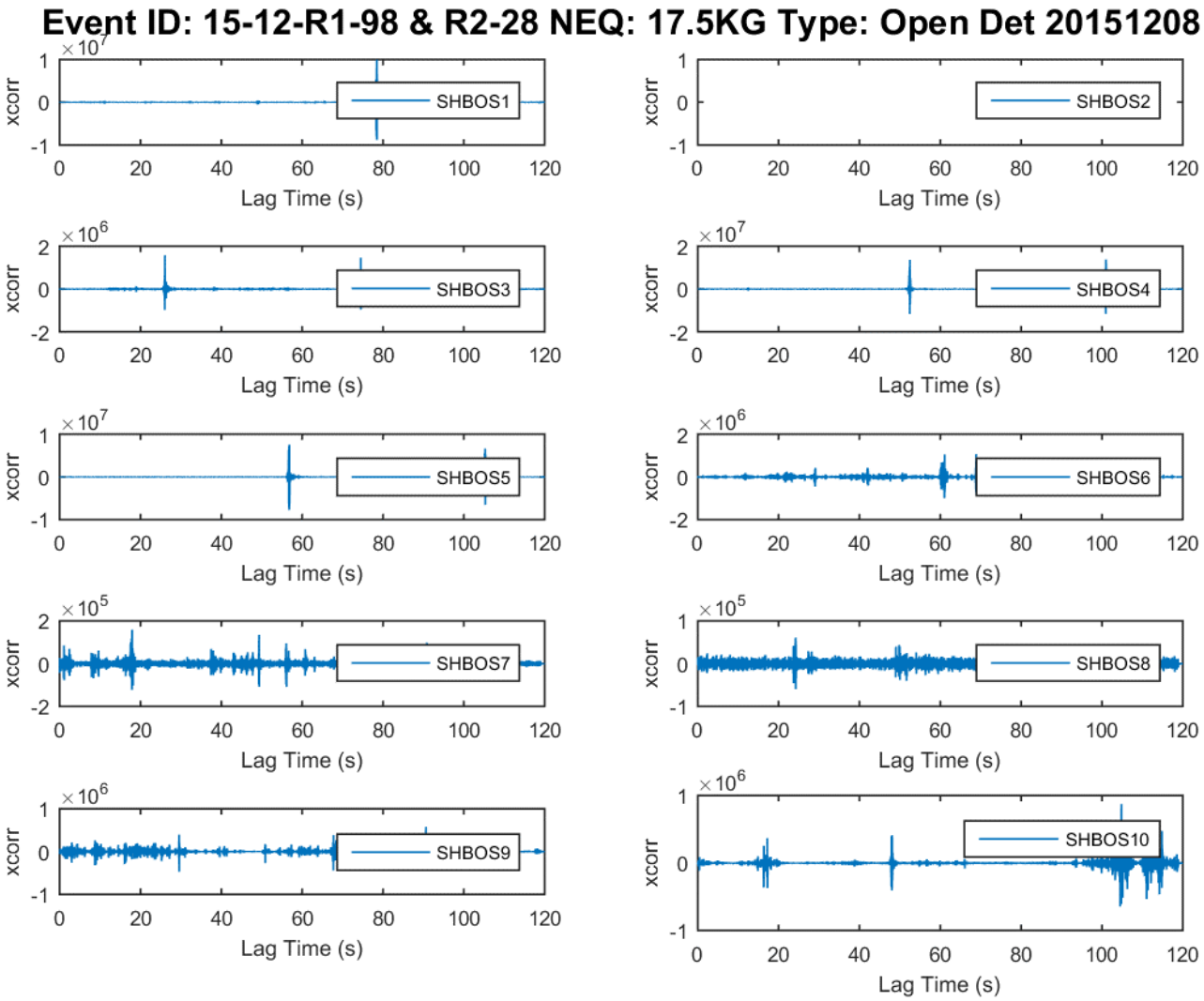
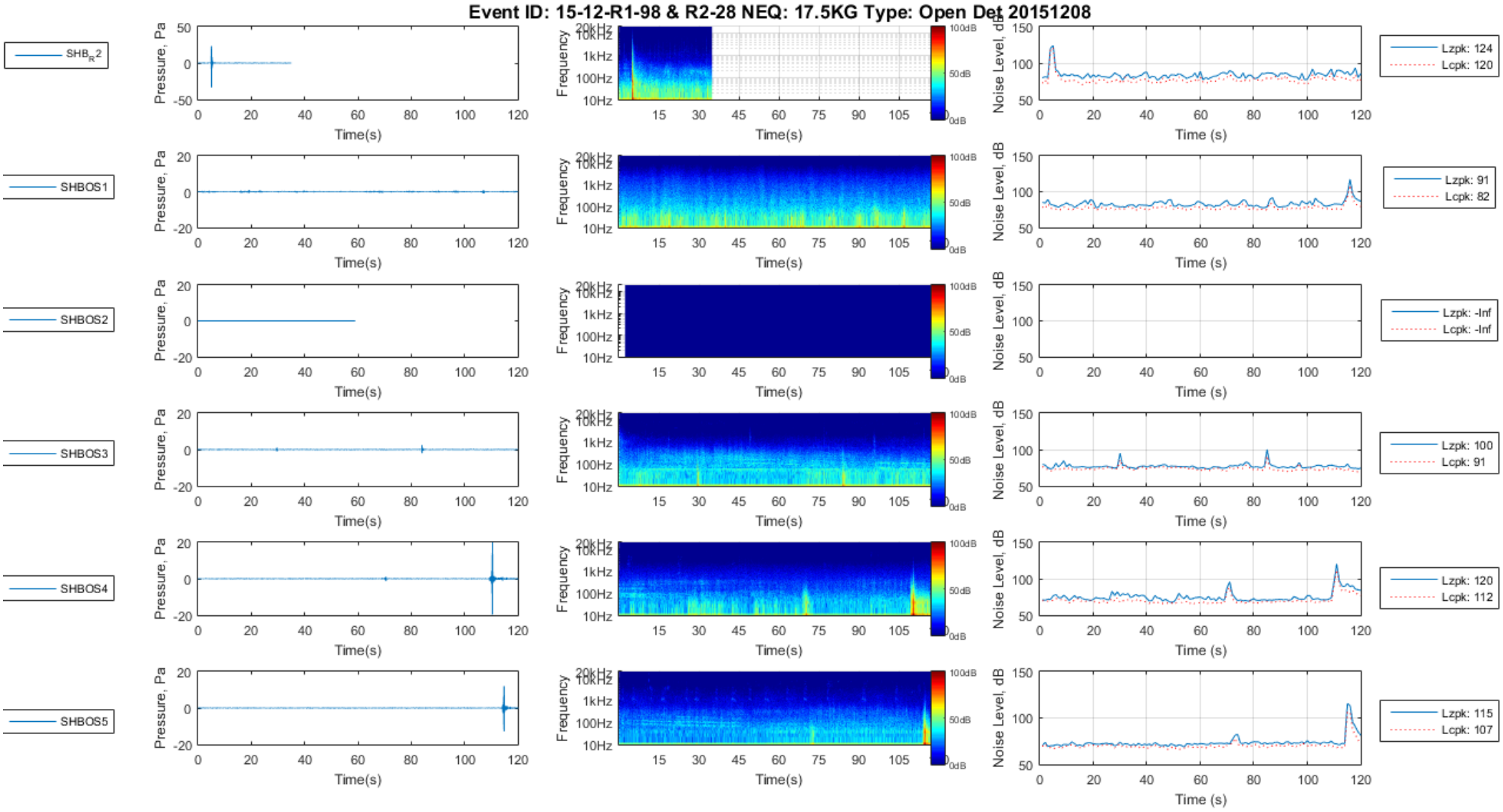
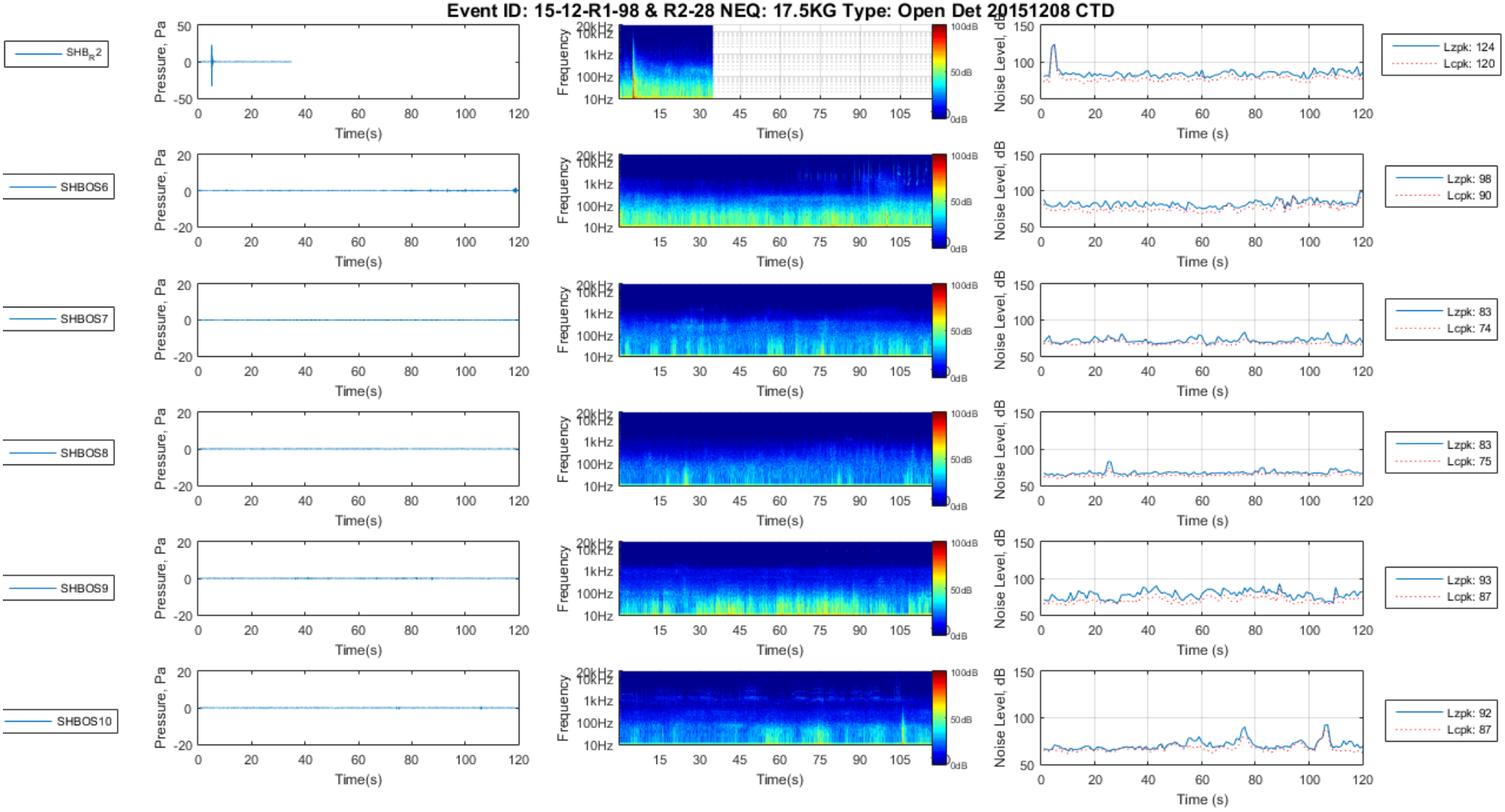


FIGURE 2.2205: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-98 & R2-28


Event ID: 15-12-R1-98 & R2-28 NEQ: 17.5KG Type: Open Det 20151208
SHB_R2
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 124
Lcpk: 120
Lzpk: 91
Lcpk: 82
Lzpk: -Inf
Lcpk: -Inf
Lzpk: 100
Lcpk: 91
Lzpk: 120
Lcpk: 112
Lzpk: 115
Lcpk: 107


Event ID: 15-12-R1-98 & R2-28 NEQ: 17.5KG Type: Open Det 20151208 CTD
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
Pressure, Pa
Time(s)
Frequency
20kHz
10kHz
1kHz
100Hz
10Hz
100dB
50dB
0dB
Noise Level, dB
Time (s)
Lzpk: 124
Lcpk: 120
Lzpk: 98
Lcpk: 90
Lzpk: 83
Lcpk: 74
Lzpk: 83
Lcpk: 75
Lzpk: 93
Lcpk: 87
Lzpk: 92
Lcpk: 87

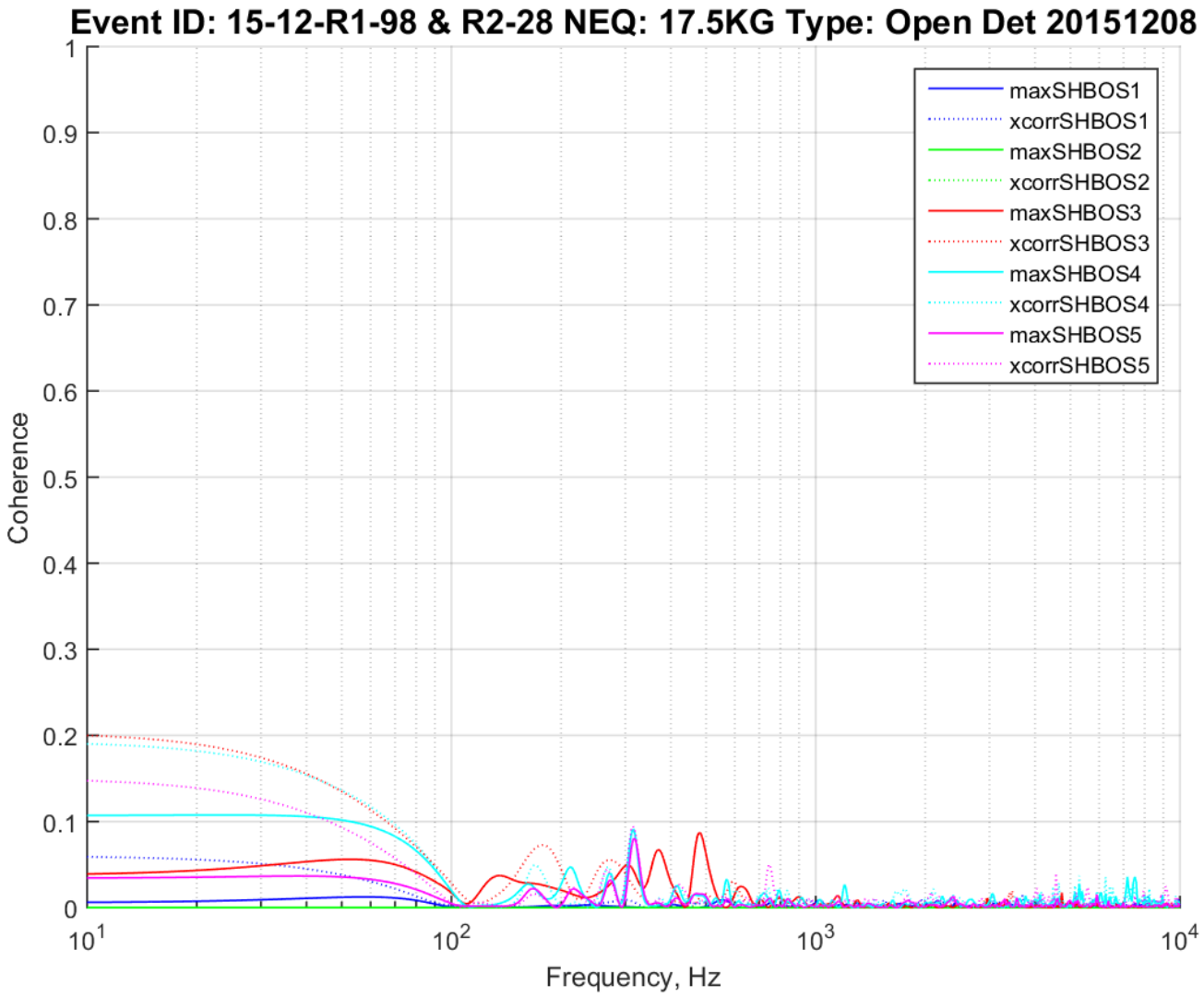


FIGURE 2.2208: COHERENCE SHB_OS 1 - 5 15-12-R1-98 & R2-28

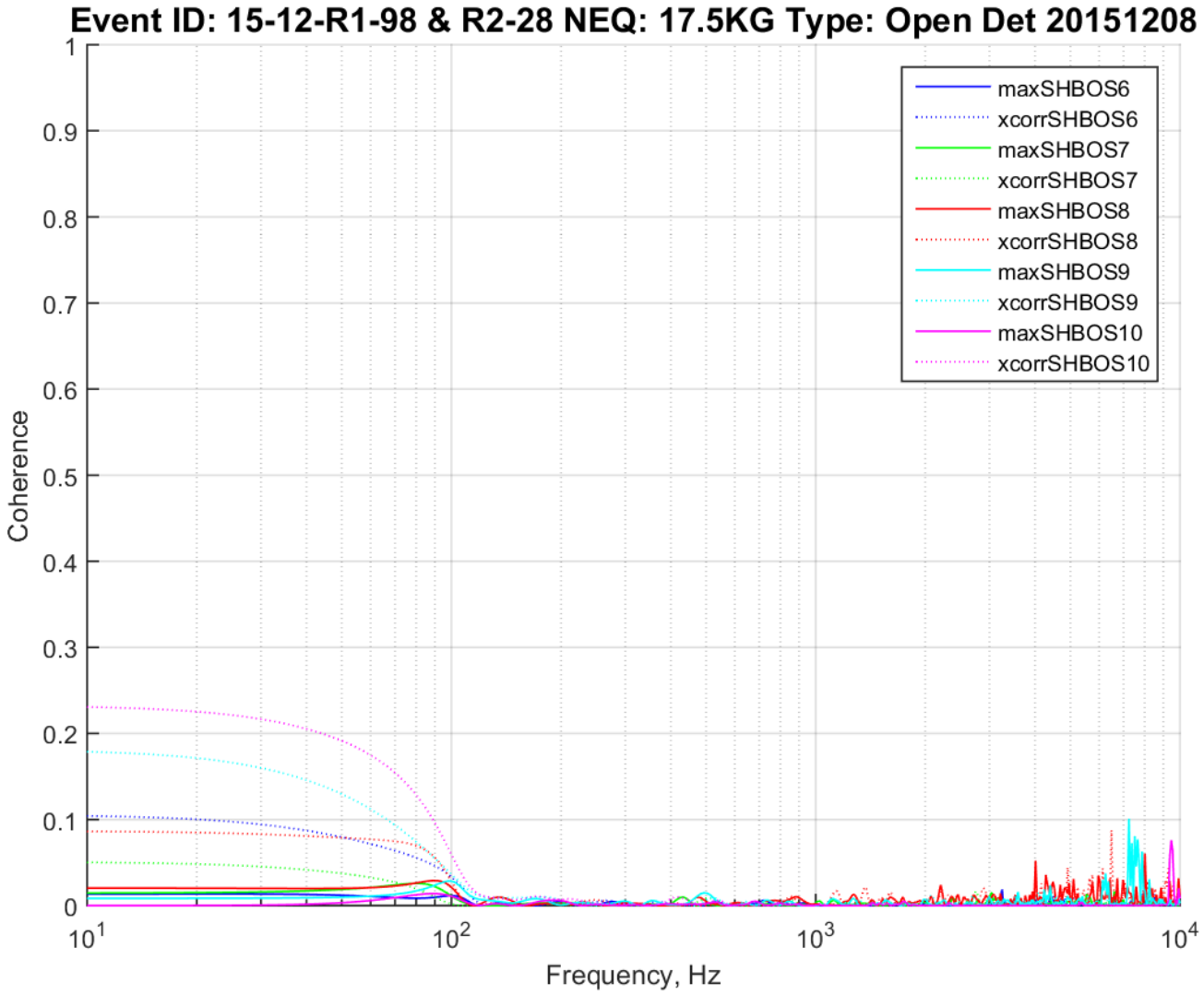


FIGURE 2.2209: COHERENCE SHB_OS 6 - 10 15-12-R1-98 & R2-28CTD

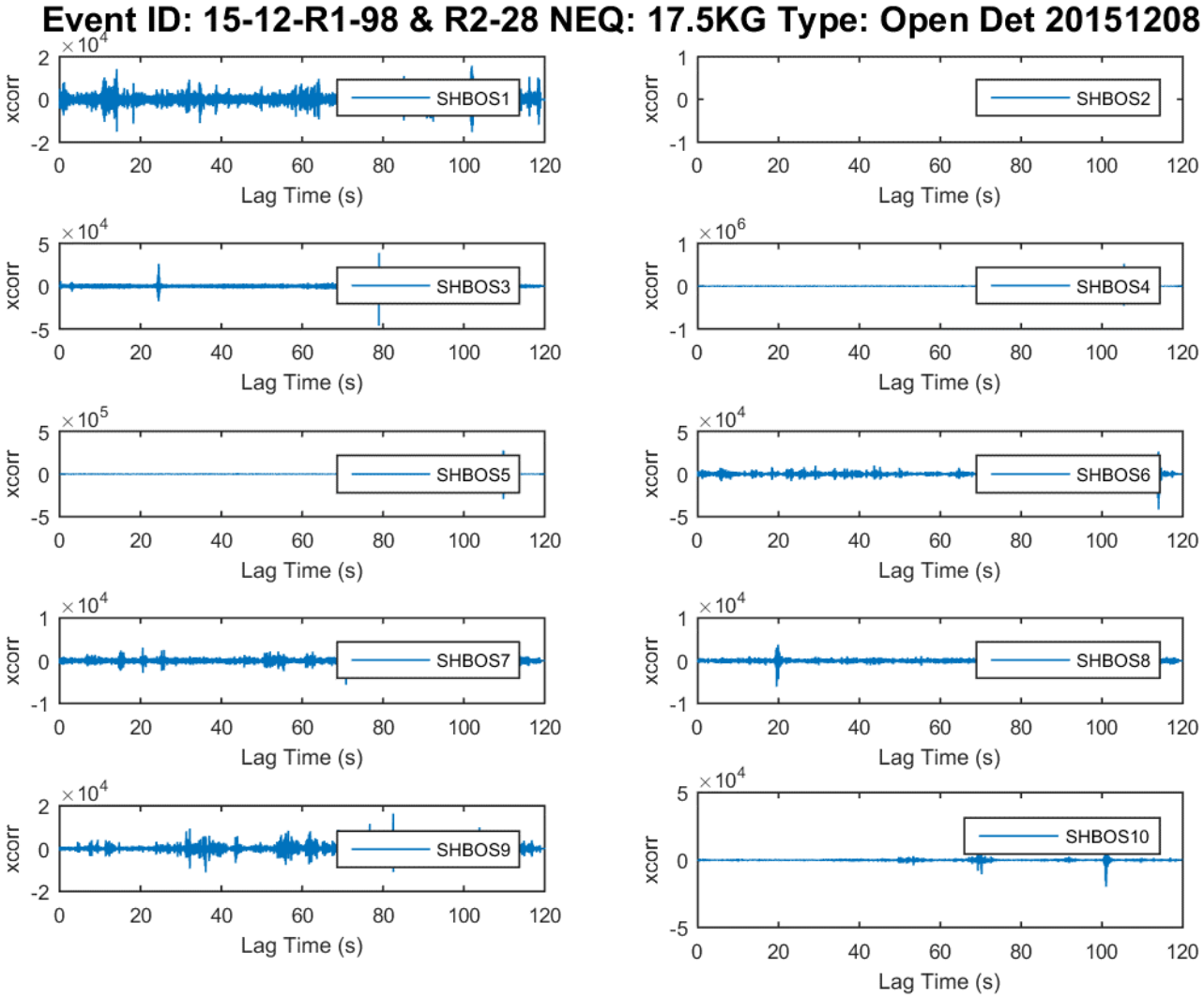


FIGURE 2.2210: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-98 & R2-28

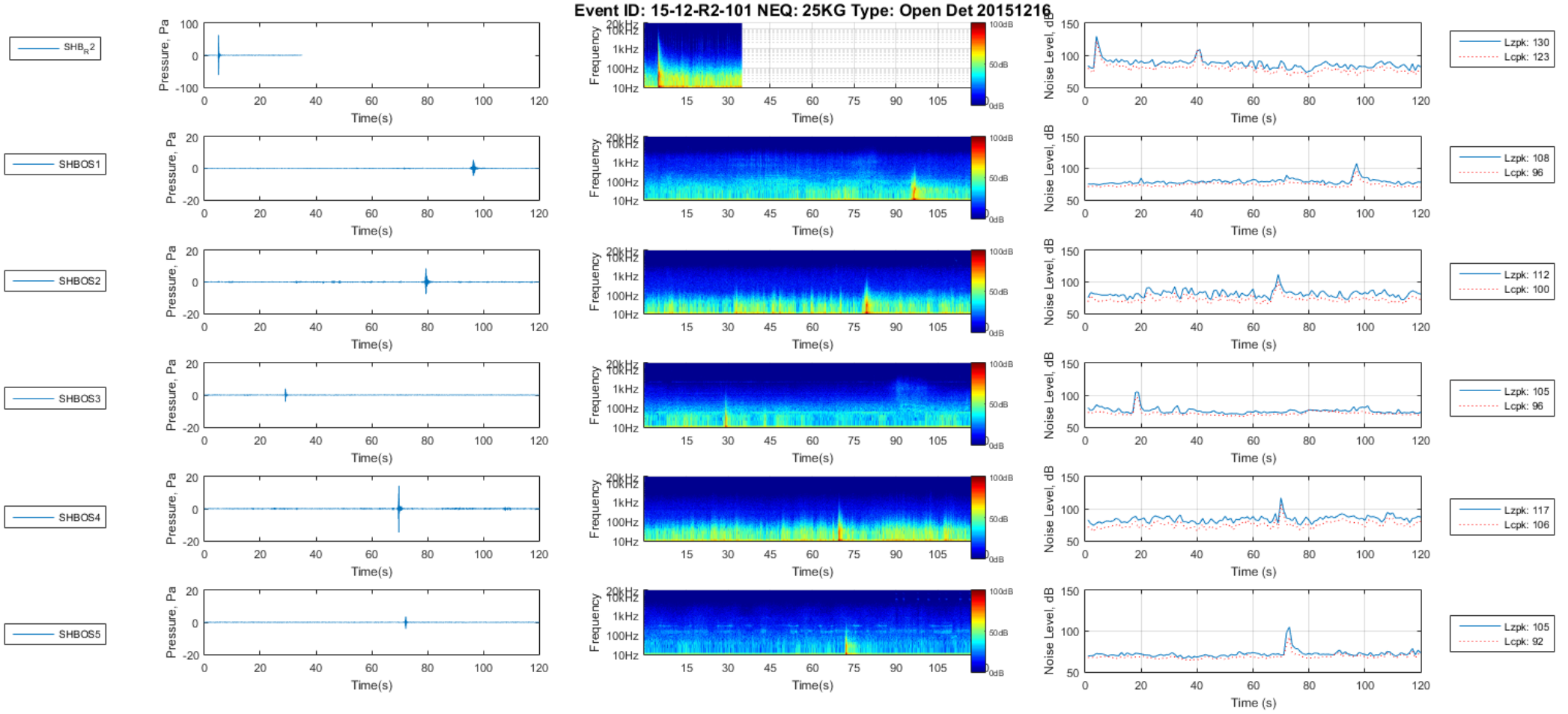


FIGURE 2.2211: SHB_OS 1 - 5 15-12-R2-101

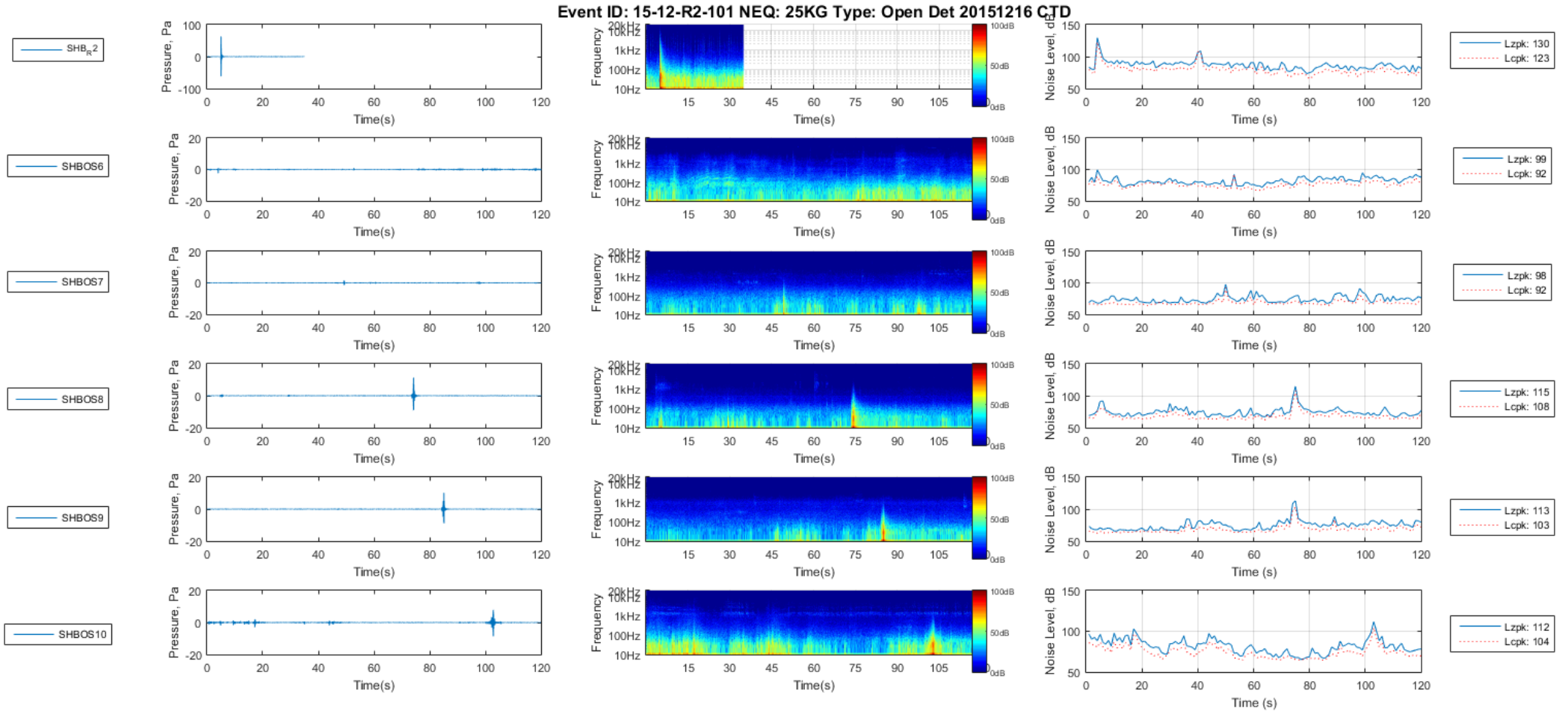


FIGURE 2.2212: SHB_OS 6 - 10 15-12-R2-101

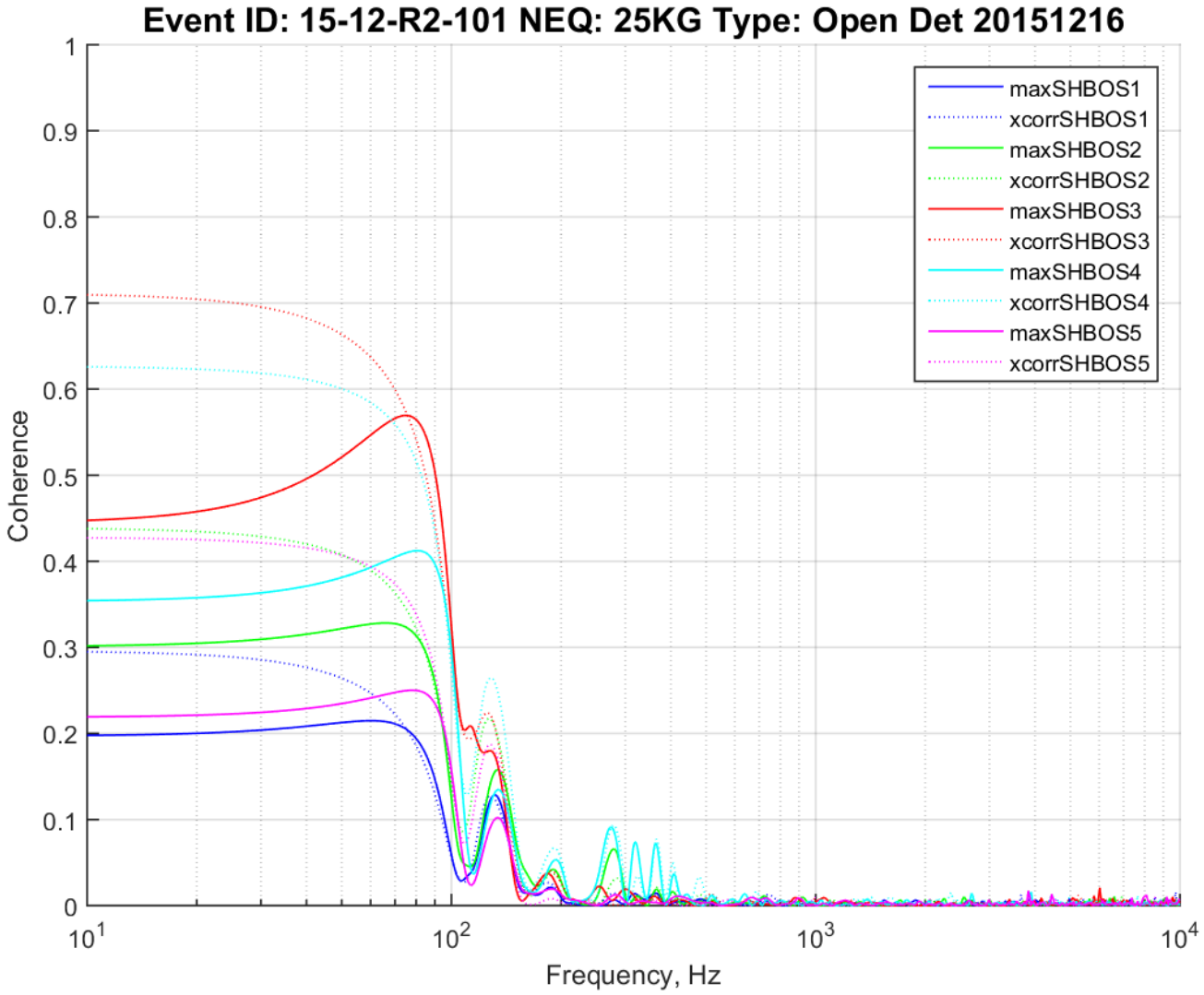


FIGURE 2.2213: COHERENCE SHB_OS 1 - 5 15-12-R2-101

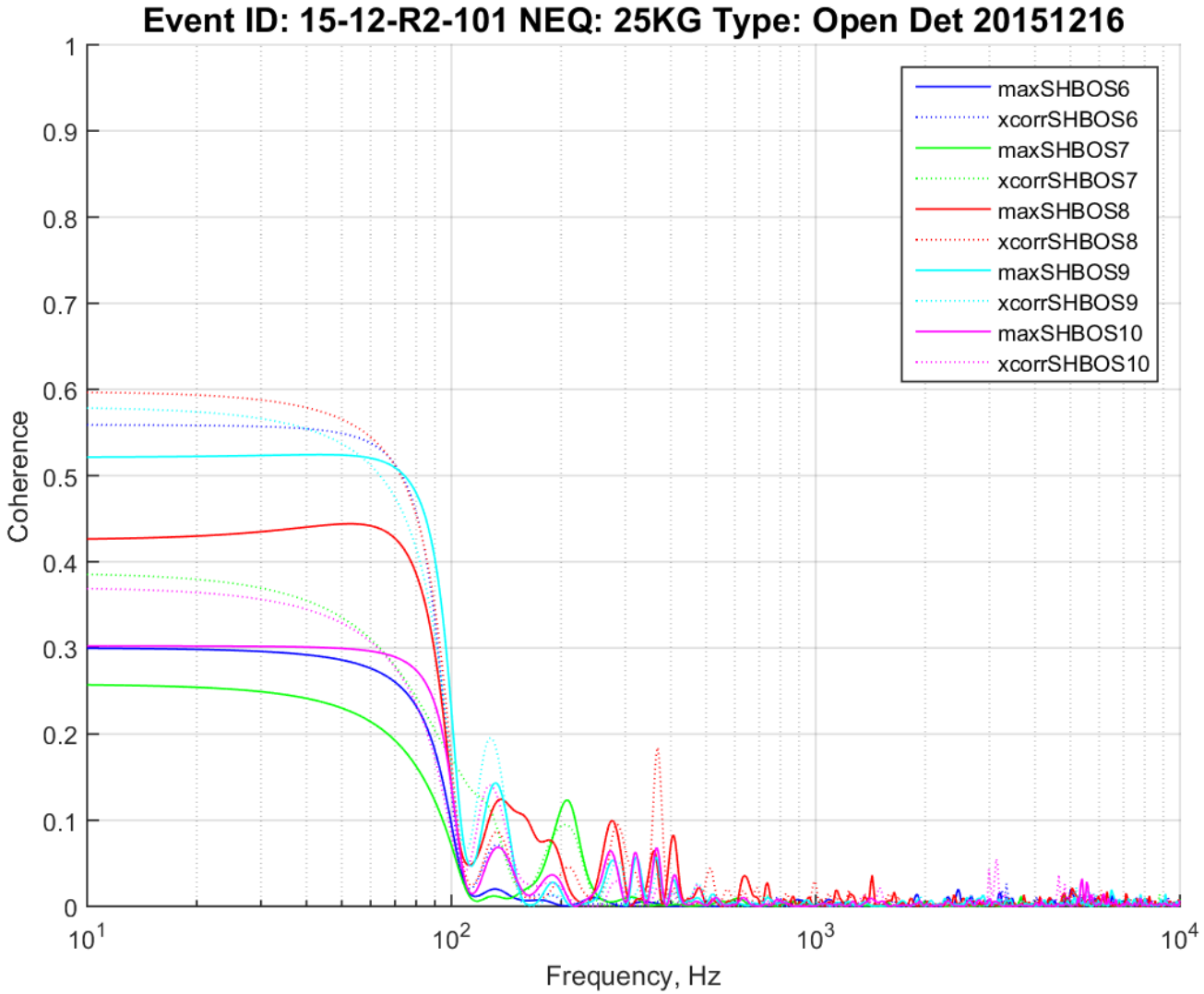


FIGURE 2.2214: COHERENCE SHB_OS 6 - 10 15-12-R2-101CTD

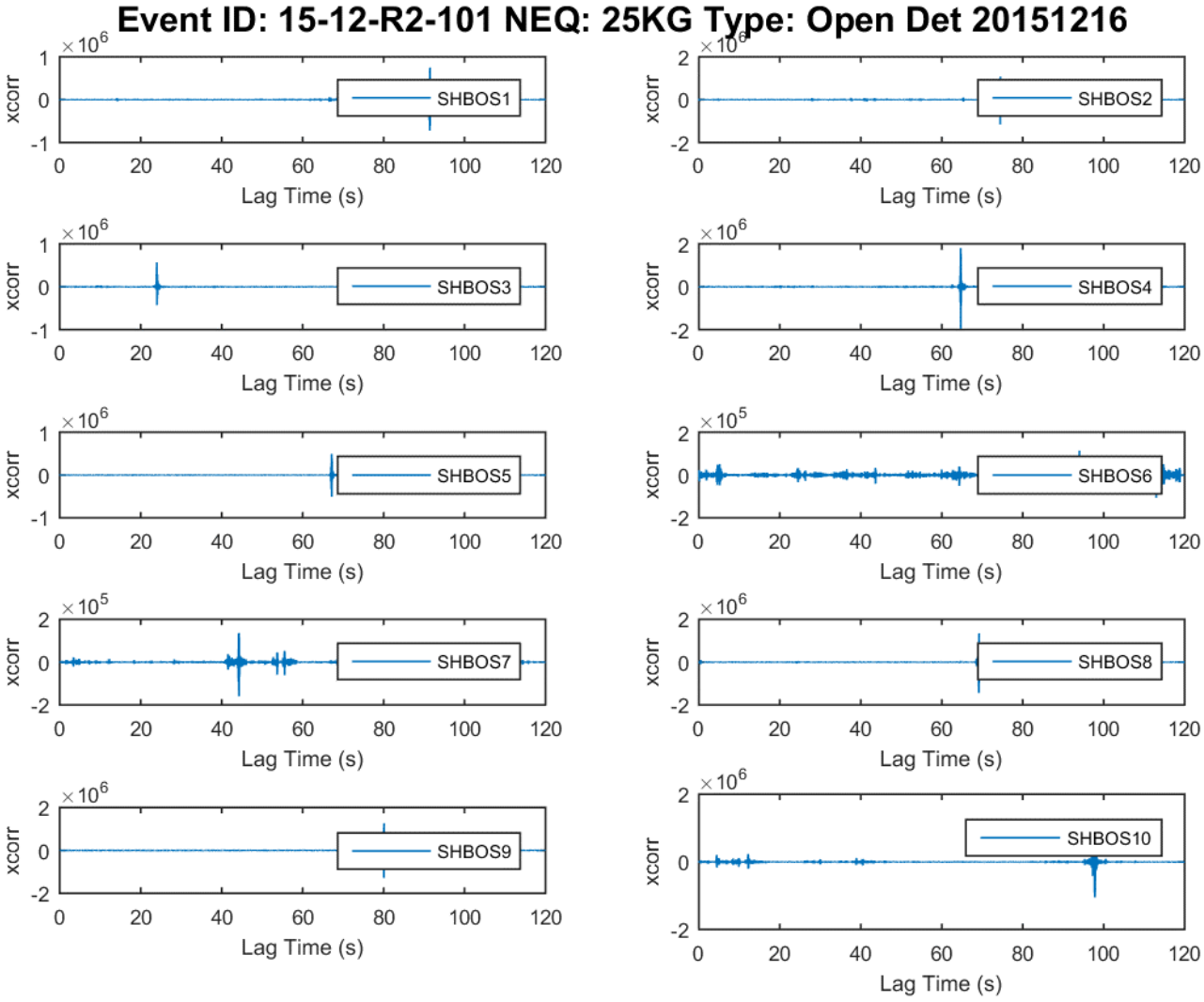


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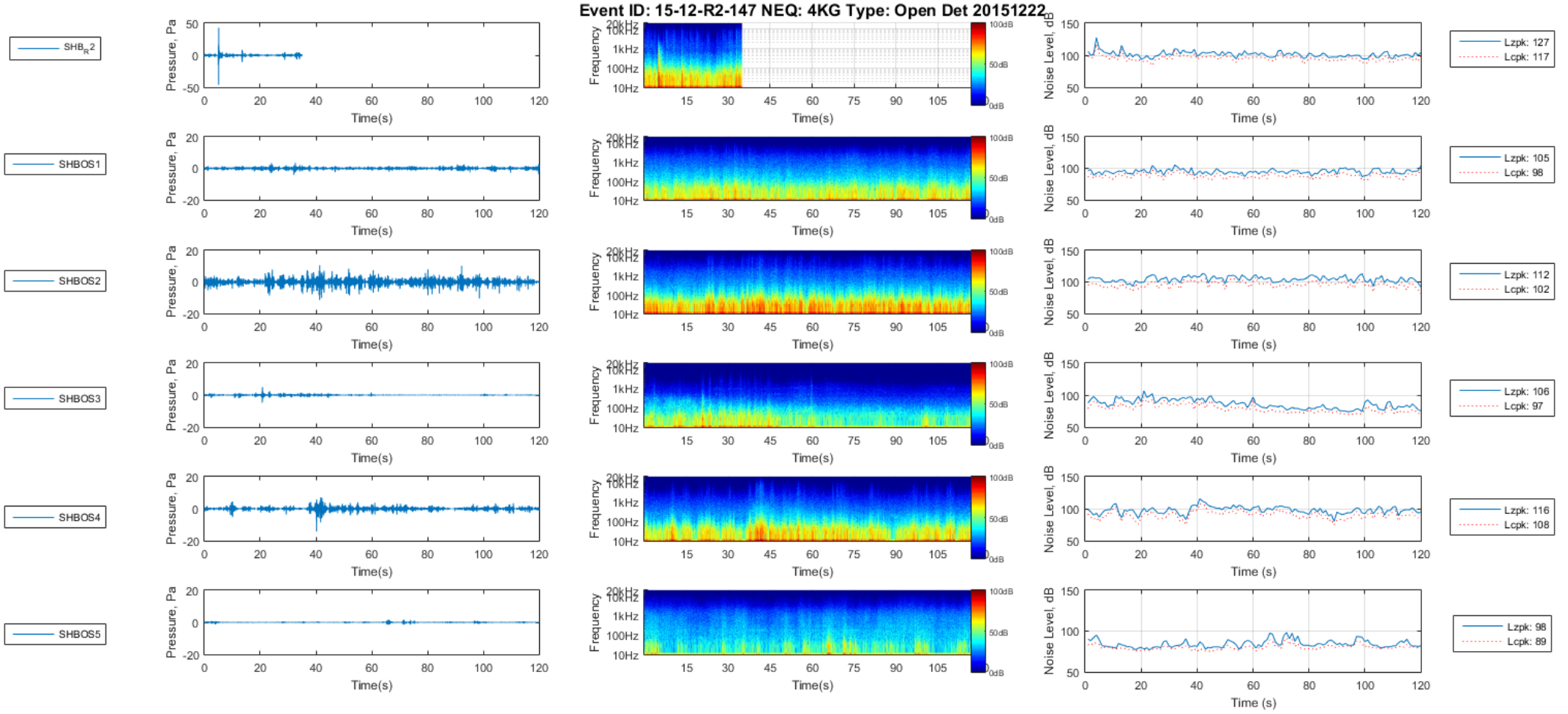


FIGURE 2.2216: SHB_OS 1 - 5 15-12-R2-147

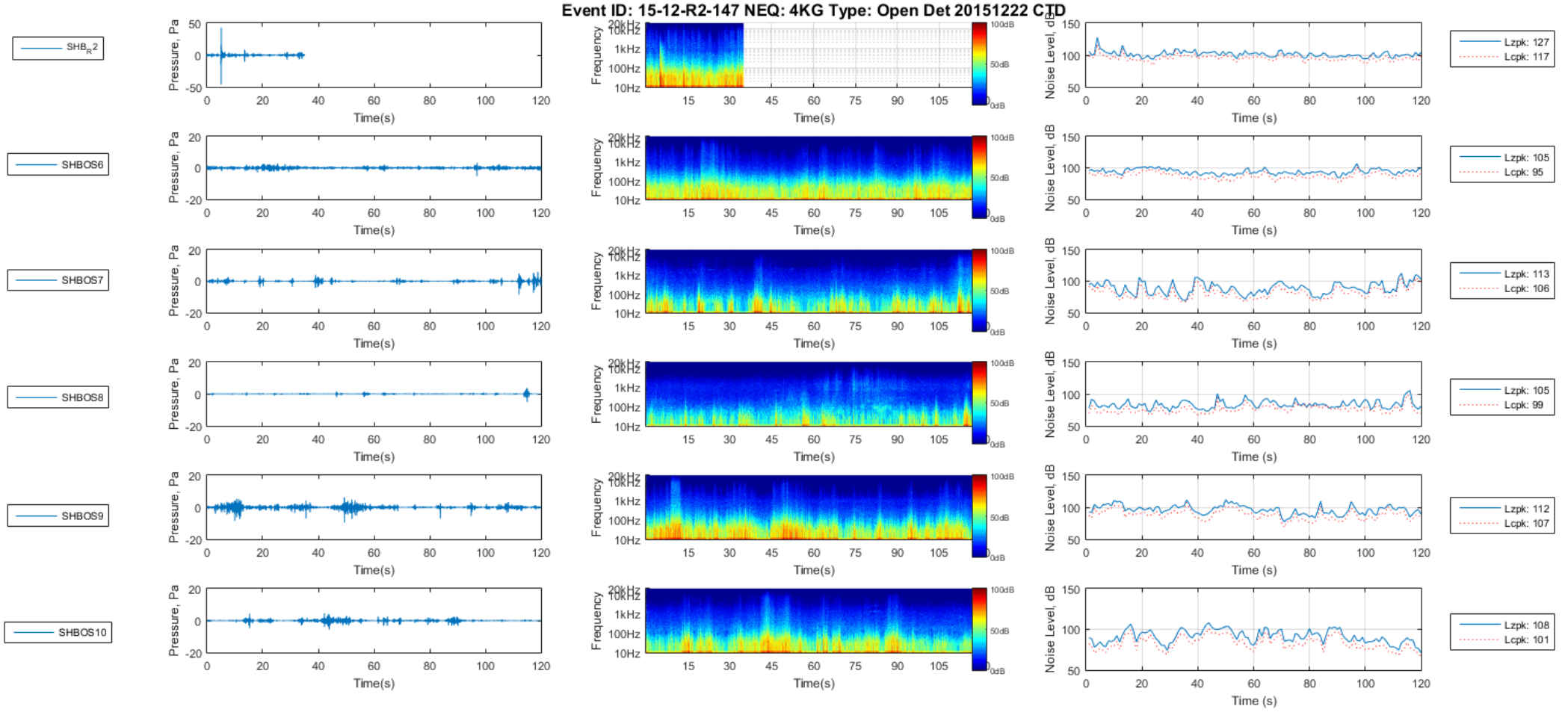


FIGURE 2.2217: SHB_OS 6 - 10 15-12-R2-147

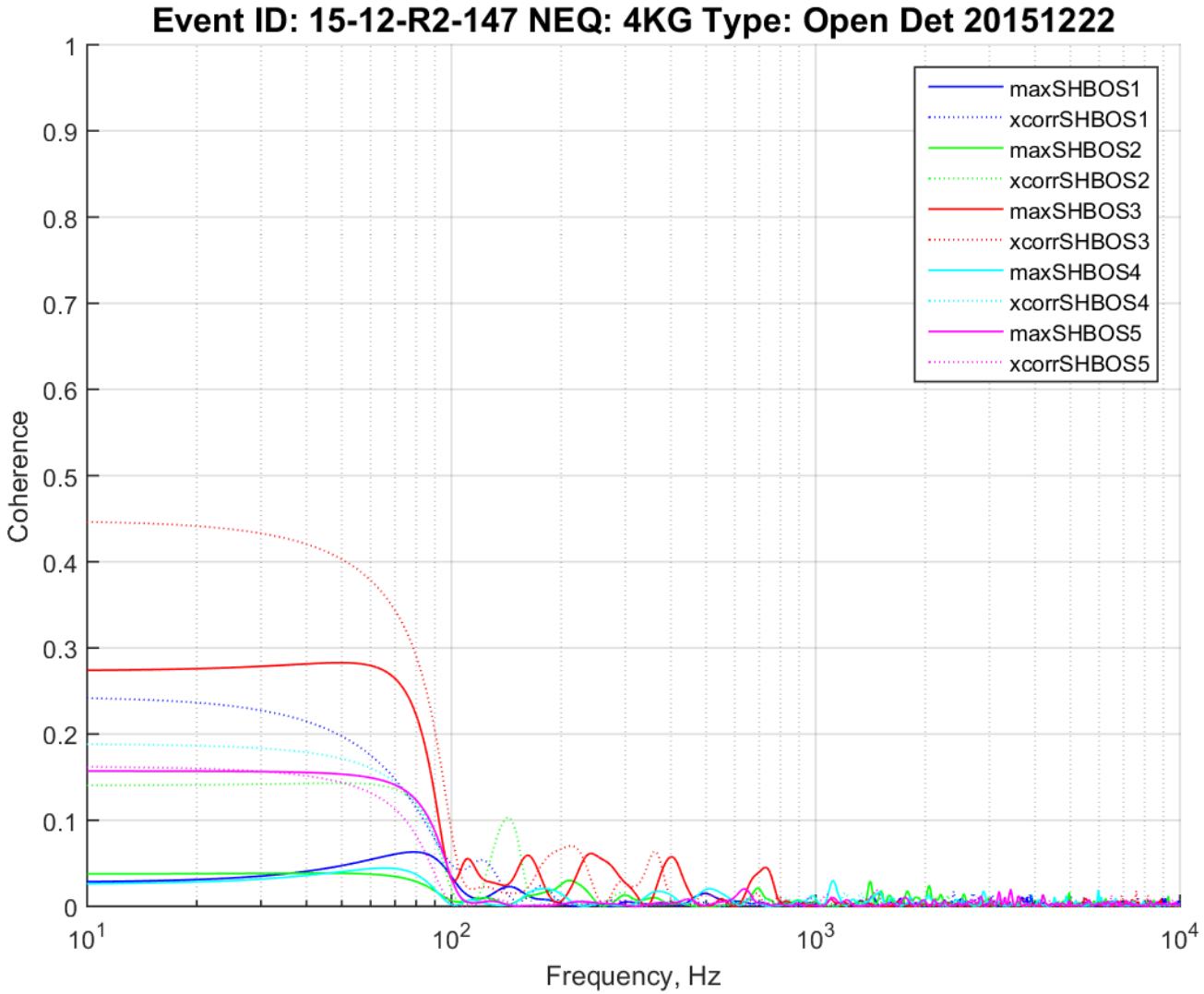


FIGURE 2.2218: COHERENCE SHB_OS 1 - 5 15-12-R2-147

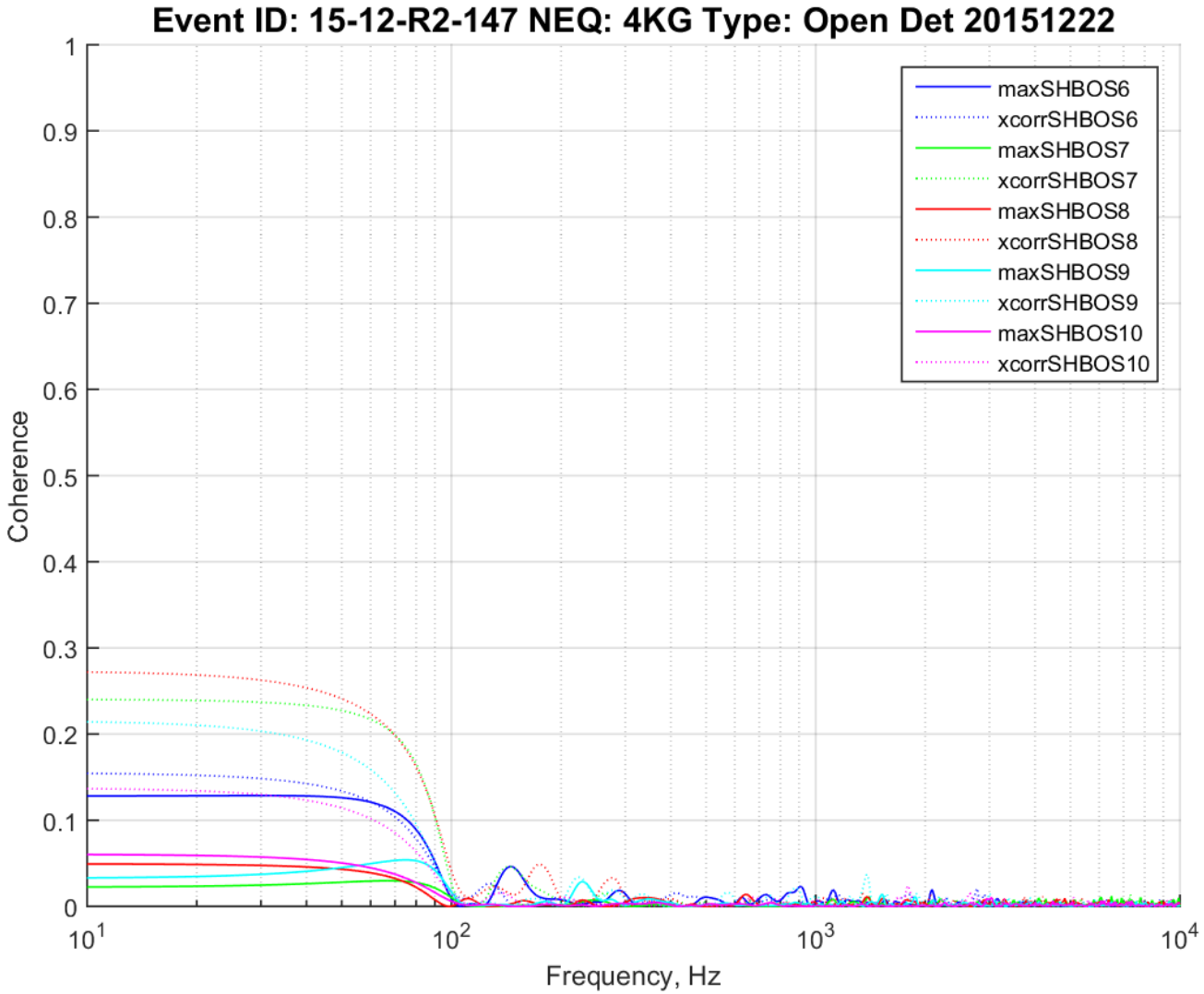


FIGURE 2.2219: COHERENCE SHB_OS 6 - 10 15-12-R2-147CTD

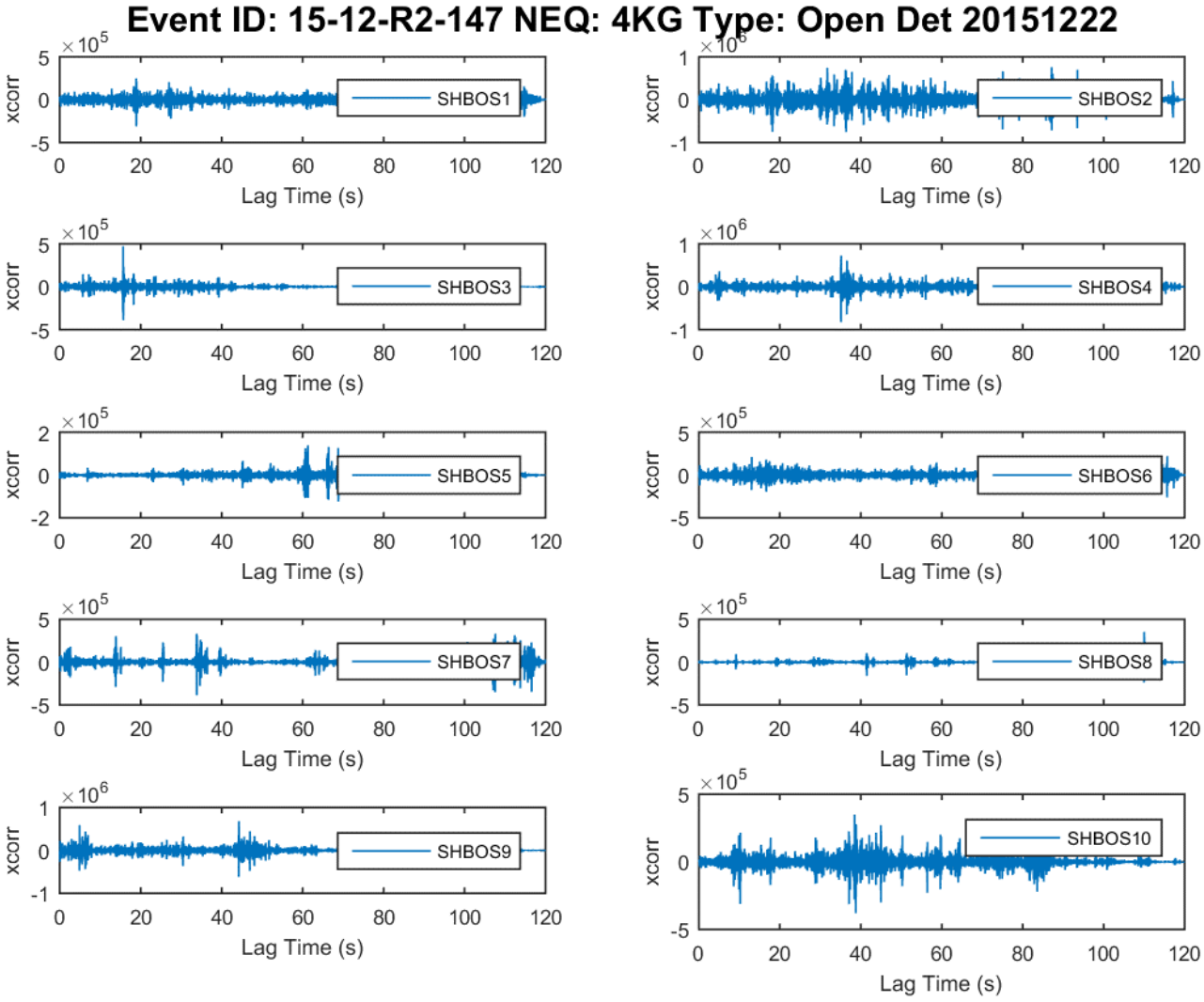


FIGURE 2.2220: CROSS CORRELATION SHB_OS 1 - 10 15-12-R2-147

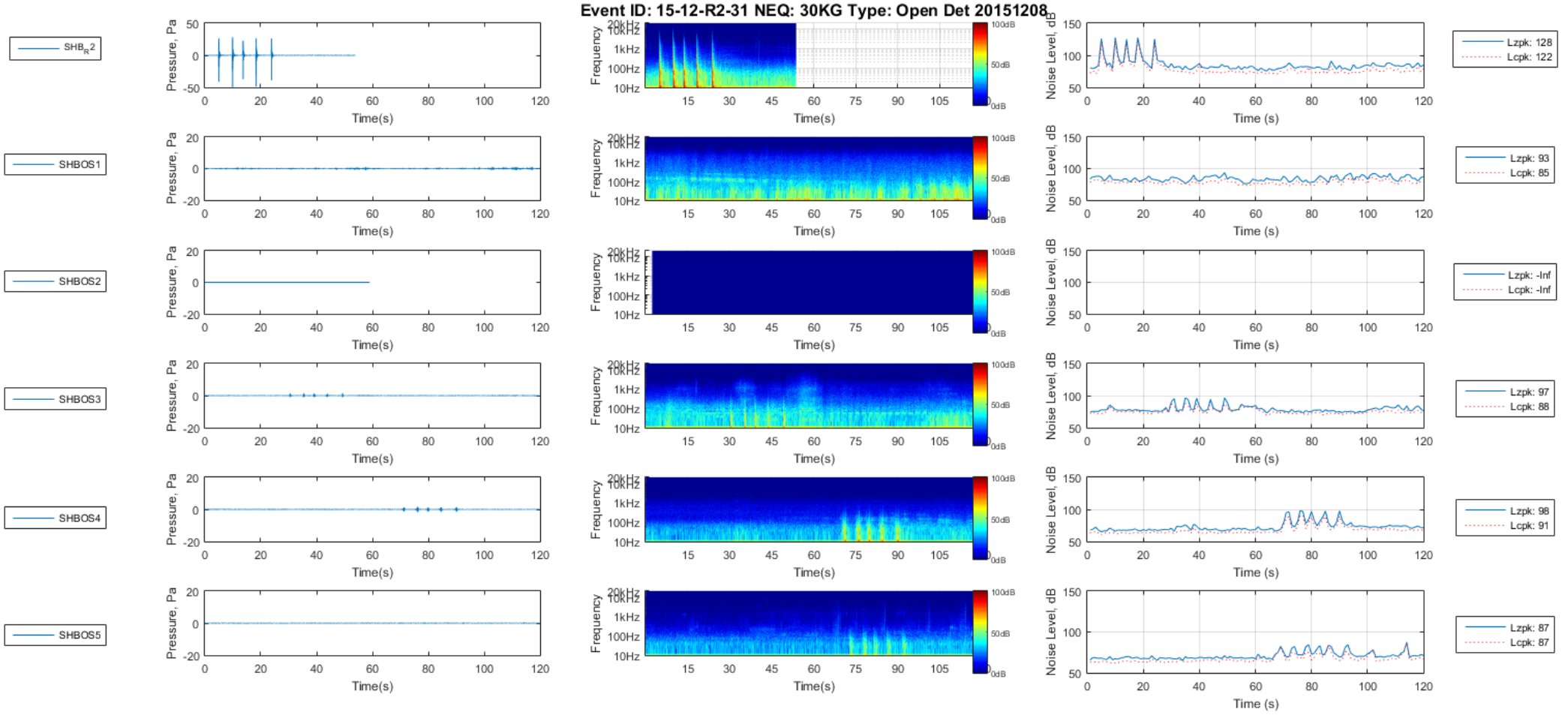


FIGURE 2.2221: SHB_OS 1 - 5 15-12-R2-31

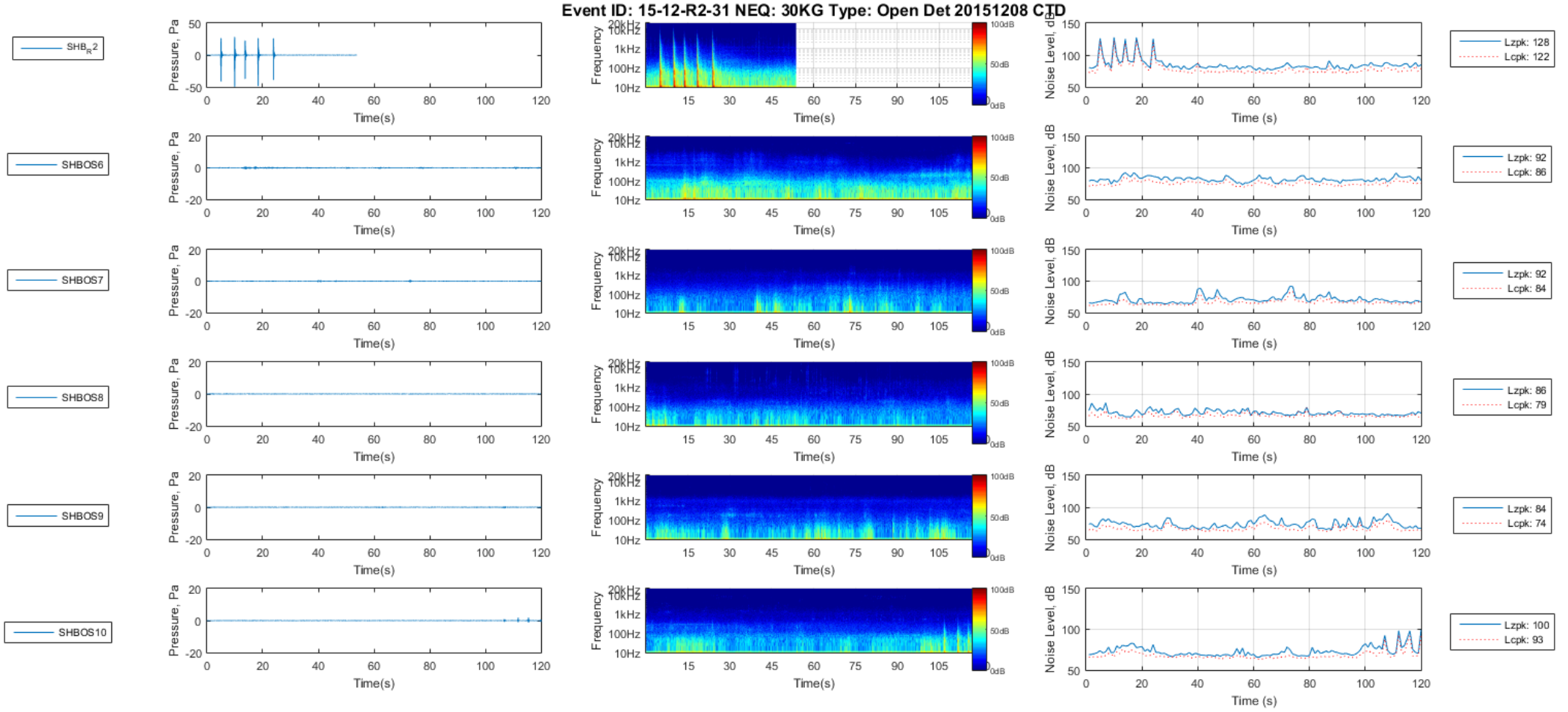


FIGURE 2.2222: SHB_OS 6 - 10 15-12-R2-31

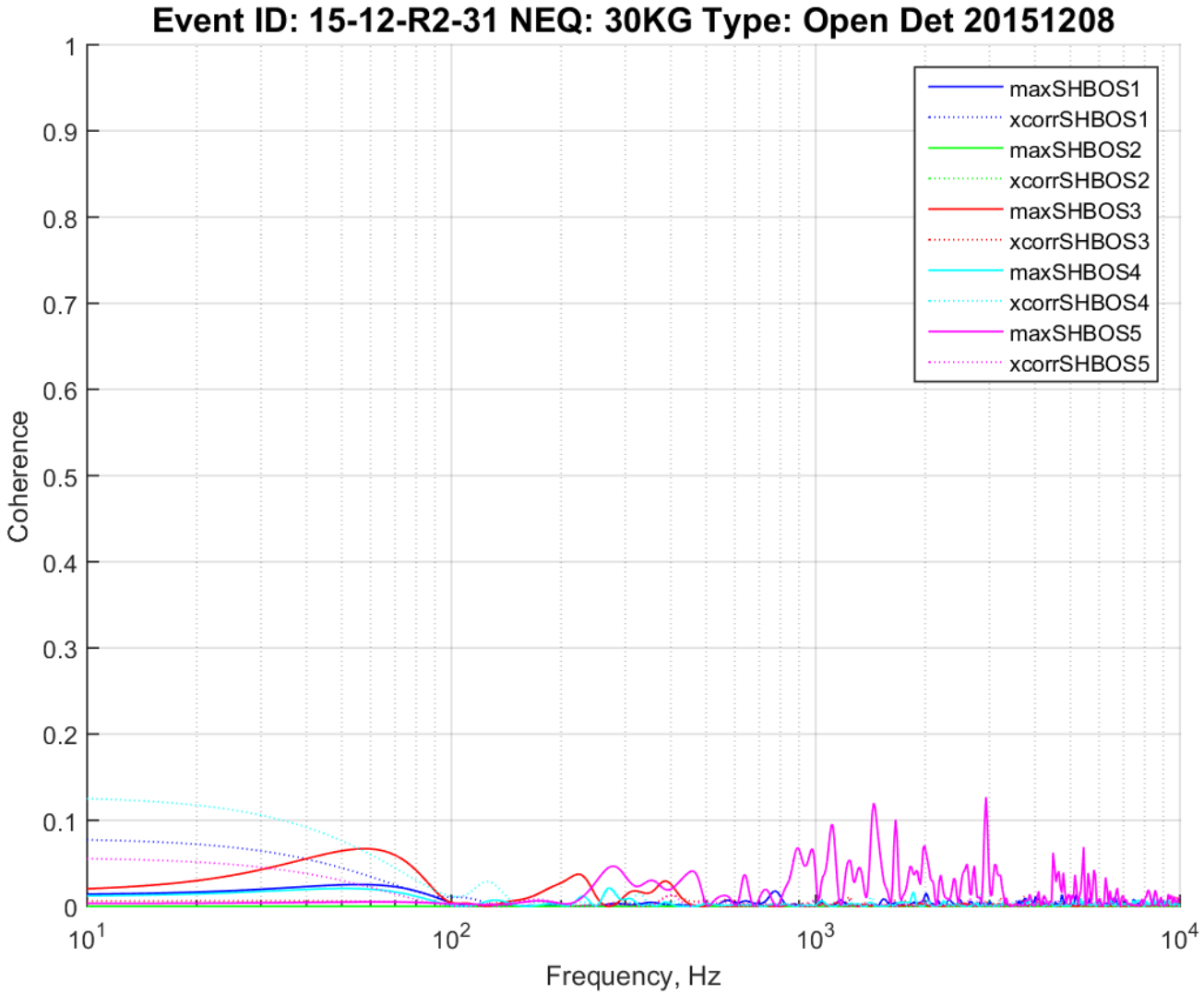


FIGURE 2.2223: COHERENCE SHB_OS 1 - 5 15-12-R2-31

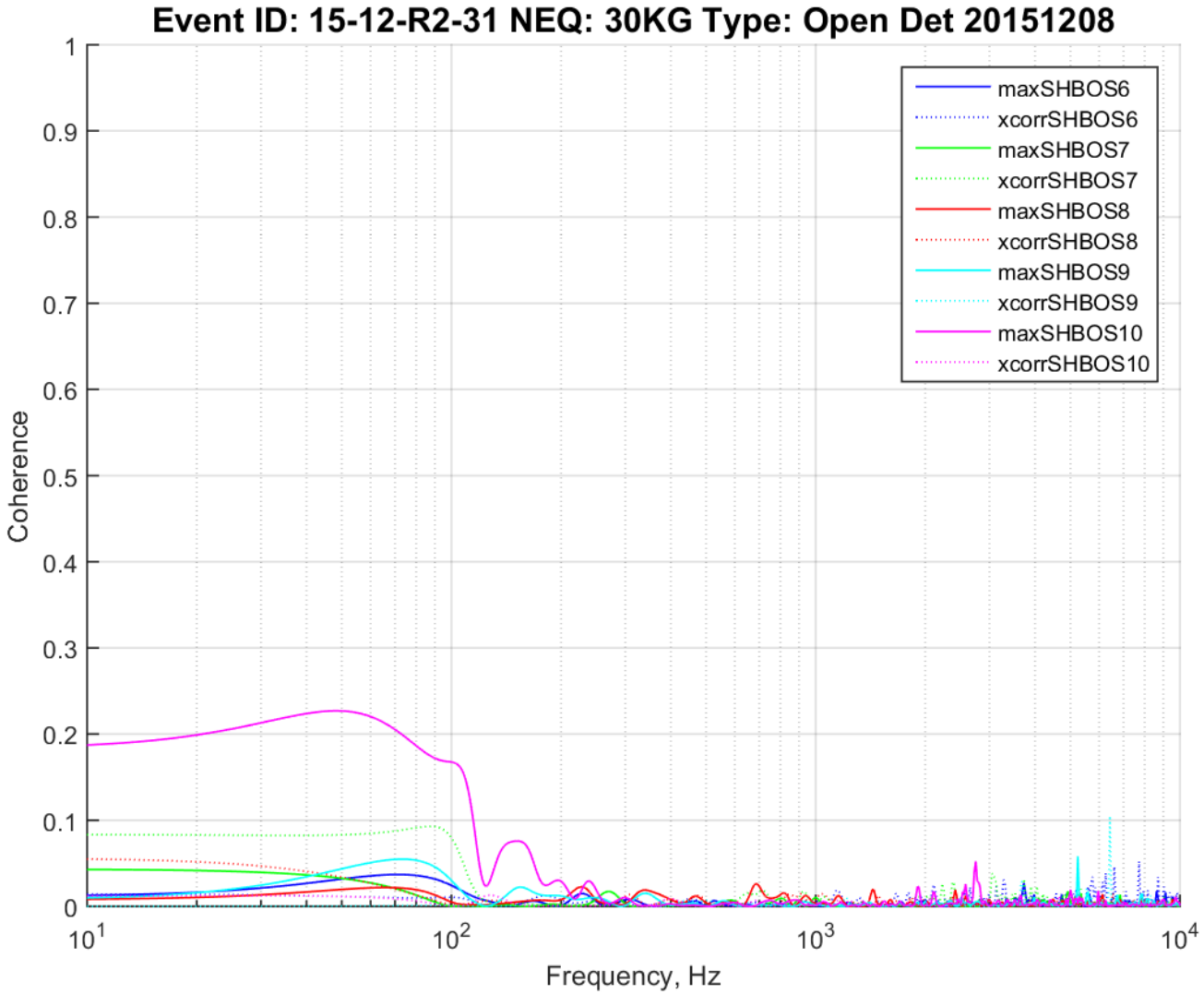


FIGURE 2.2224: COHERENCE SHB_OS 6 - 10 15-12-R2-31CTD

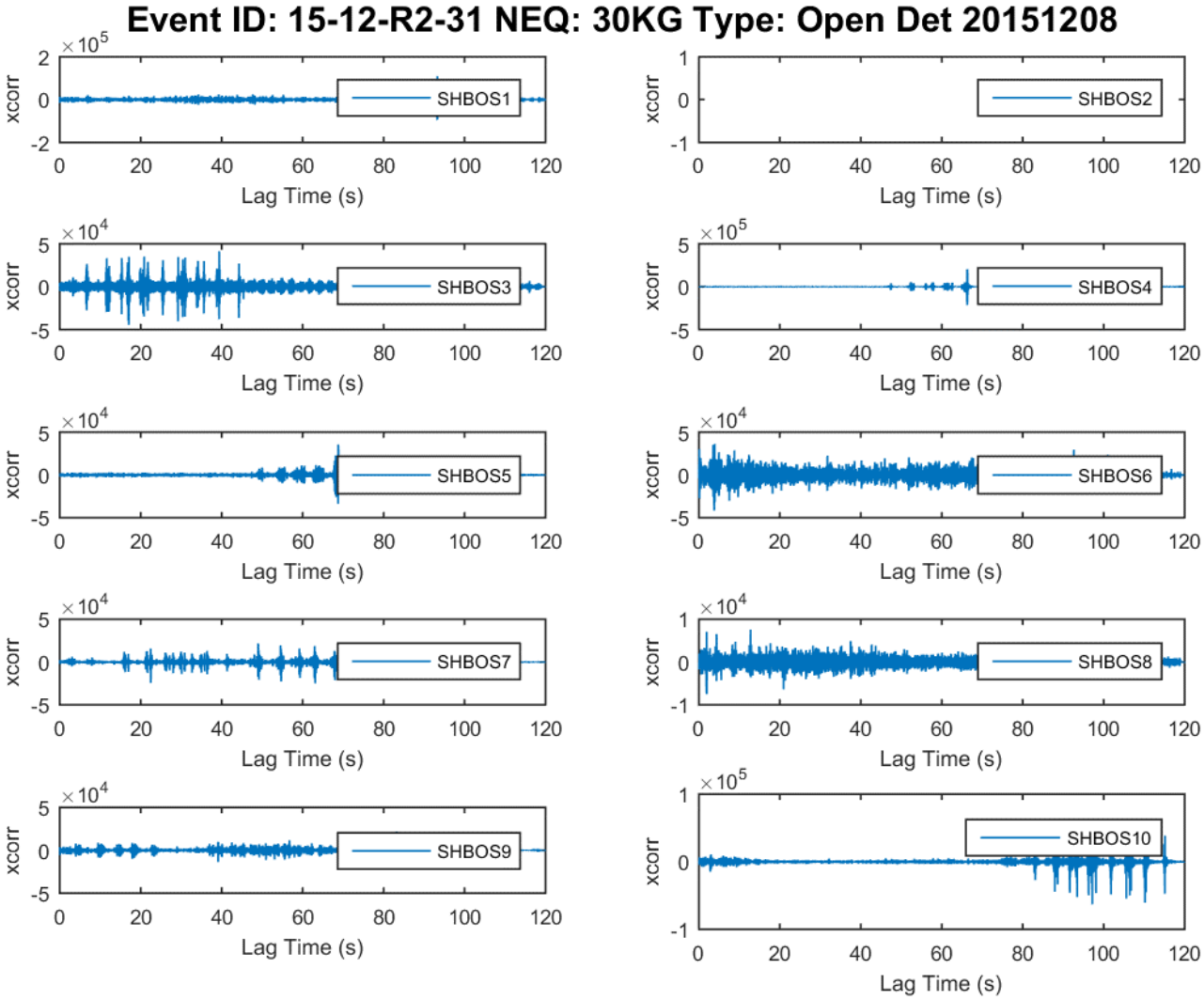


FIGURE 2.2225: CROSS CORRELATION SHB_OS 1 - 10 15-12-R2-31

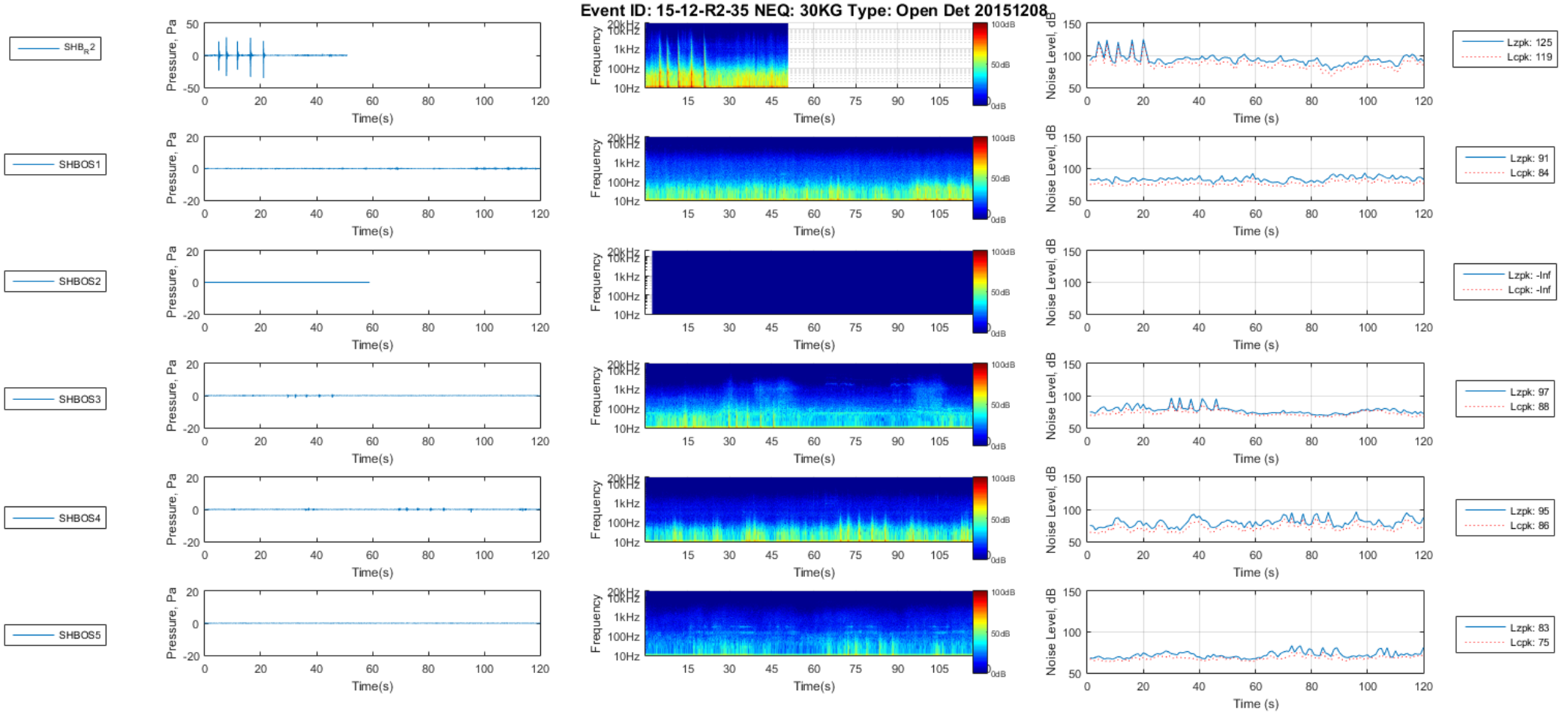


FIGURE 2.2226: SHB_OS 1 - 5 15-12-R2-35

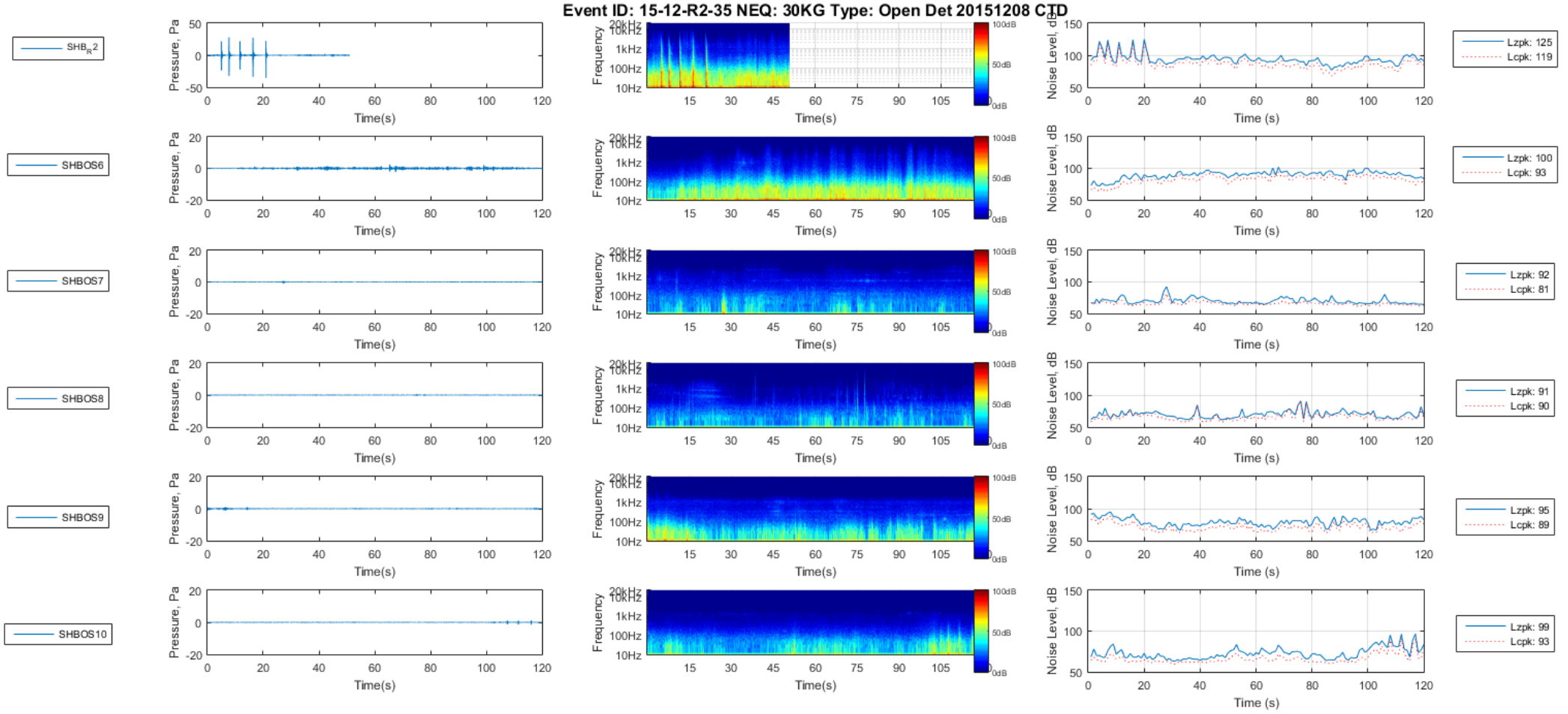


FIGURE 2.2227: SHB_OS 6 - 10 15-12-R2-35

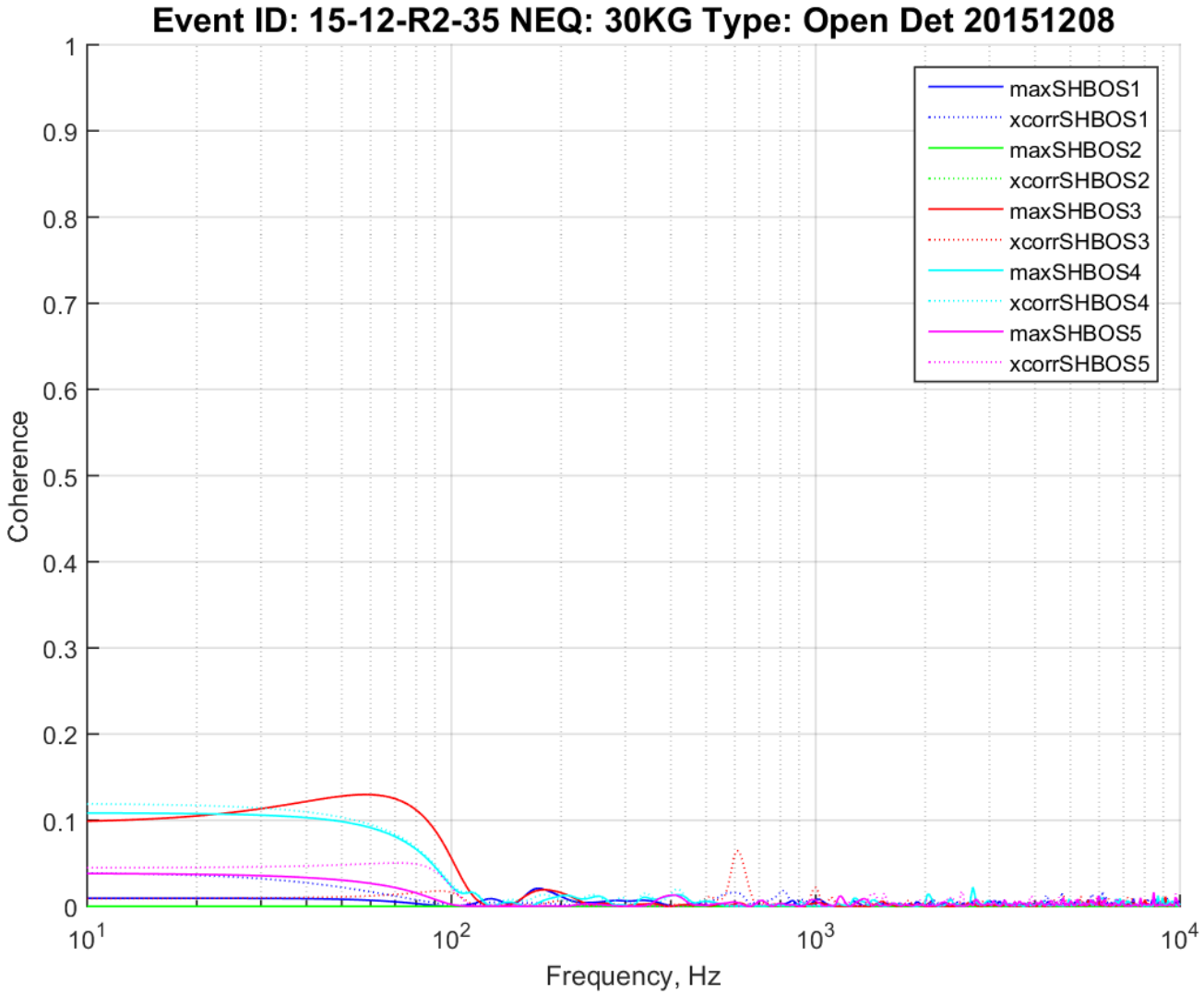


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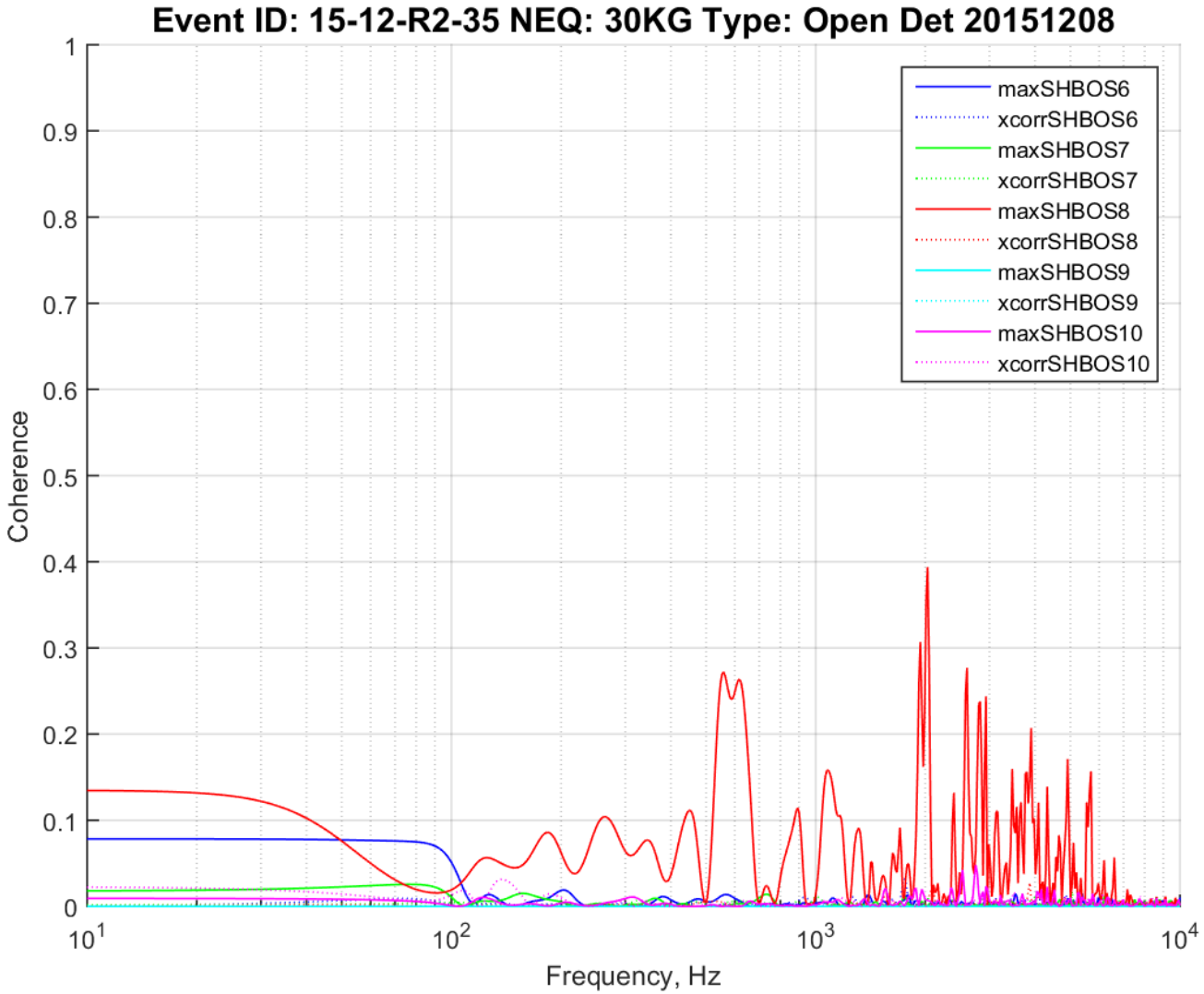


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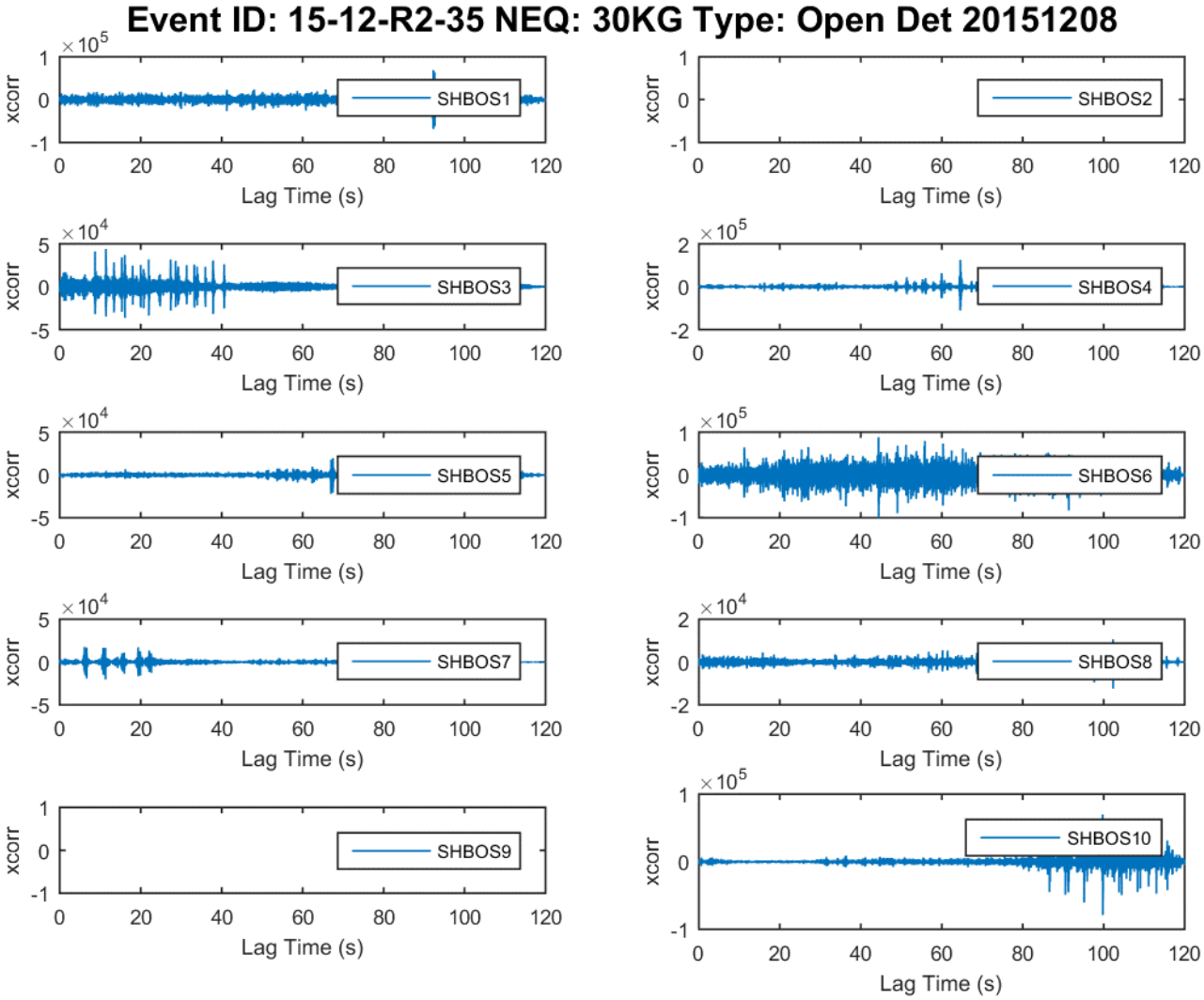


FIGURE 2.2230: CROSS CORRELATION SHB_OS 1 - 10 15-12-R2-35

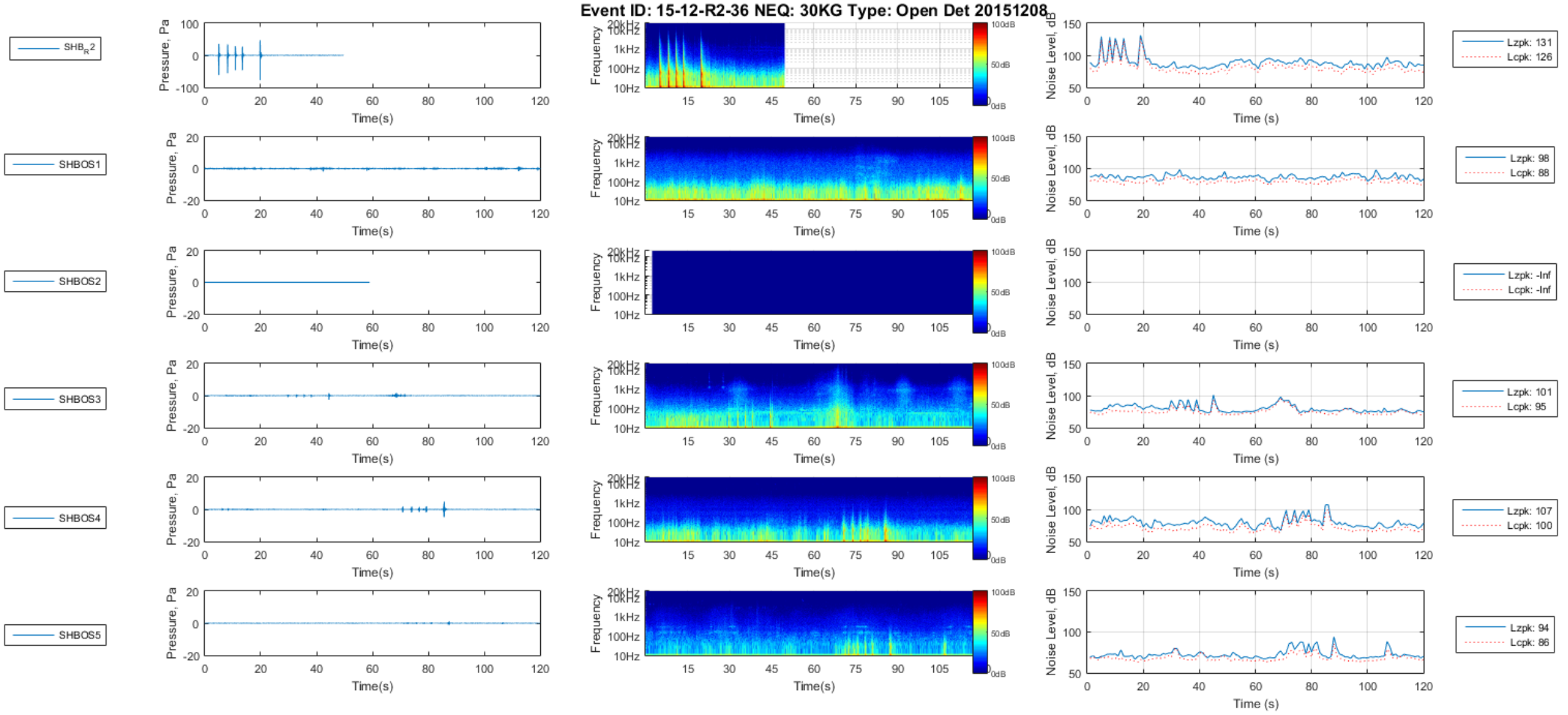


FIGURE 2.2231: SHB_OS 1 - 5 15-12-R2-36

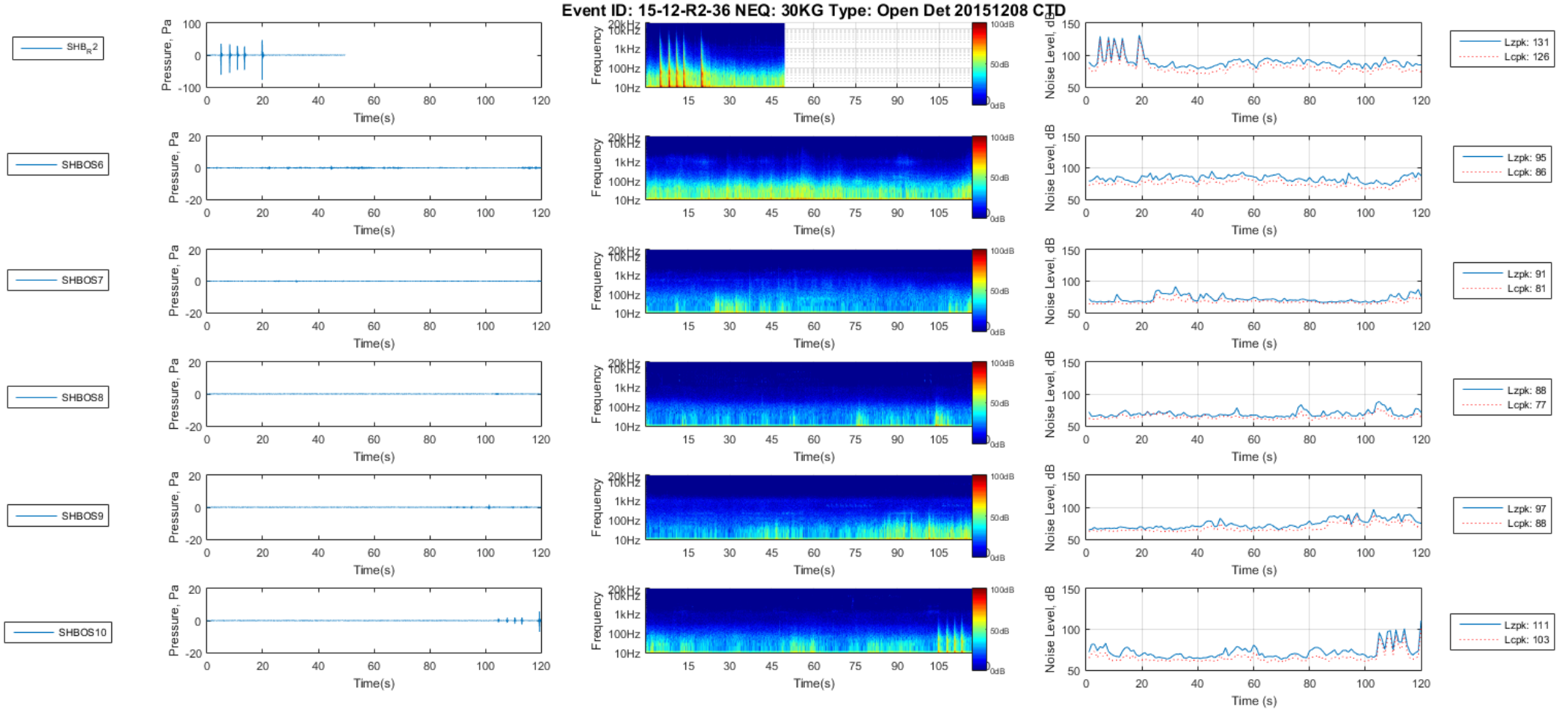


FIGURE 2.2232: SHB_OS 6 - 10 15-12-R2-36

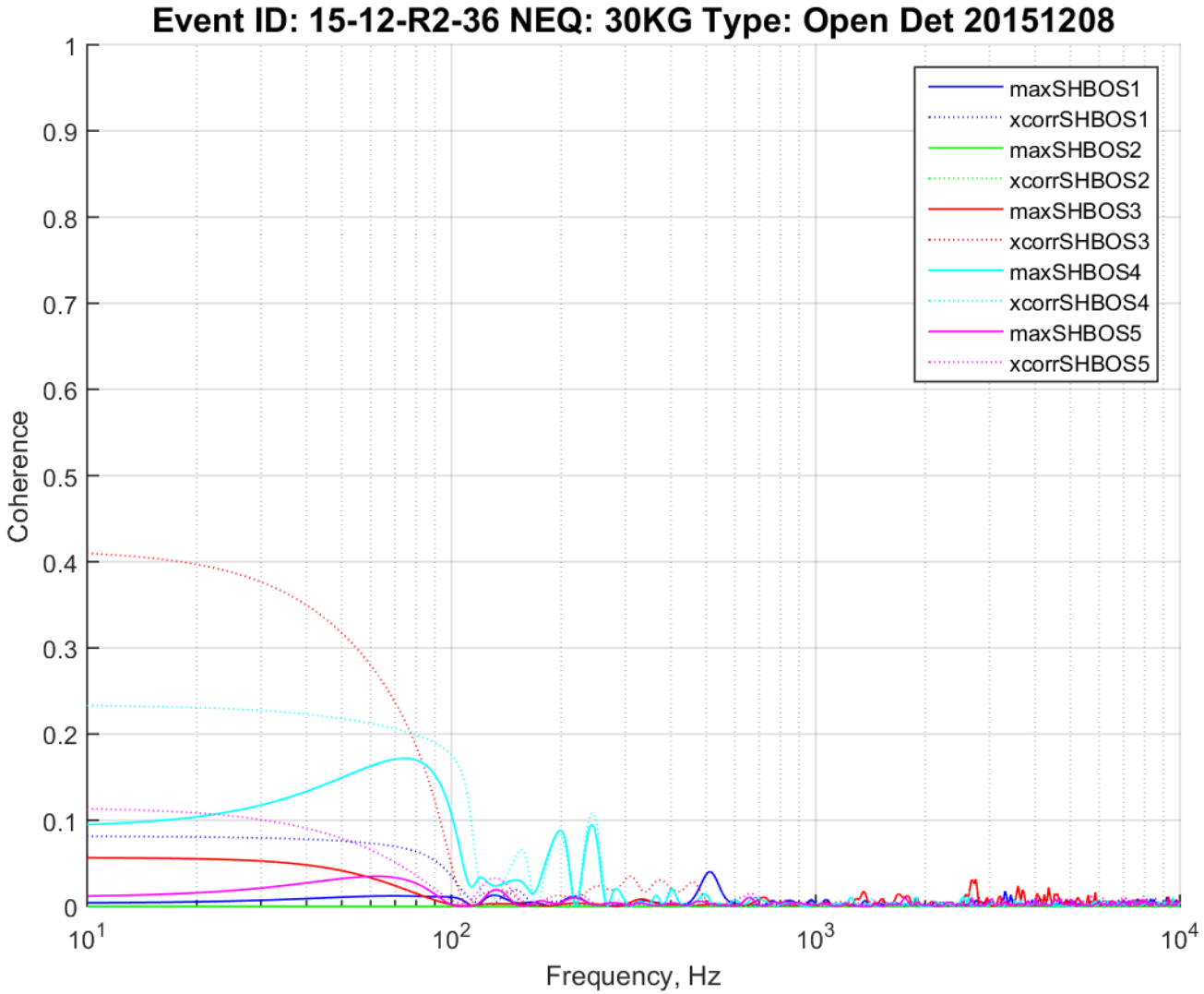


FIGURE 2.2233: COHERENCE SHB_OS 1 - 5 15-12-R2-36

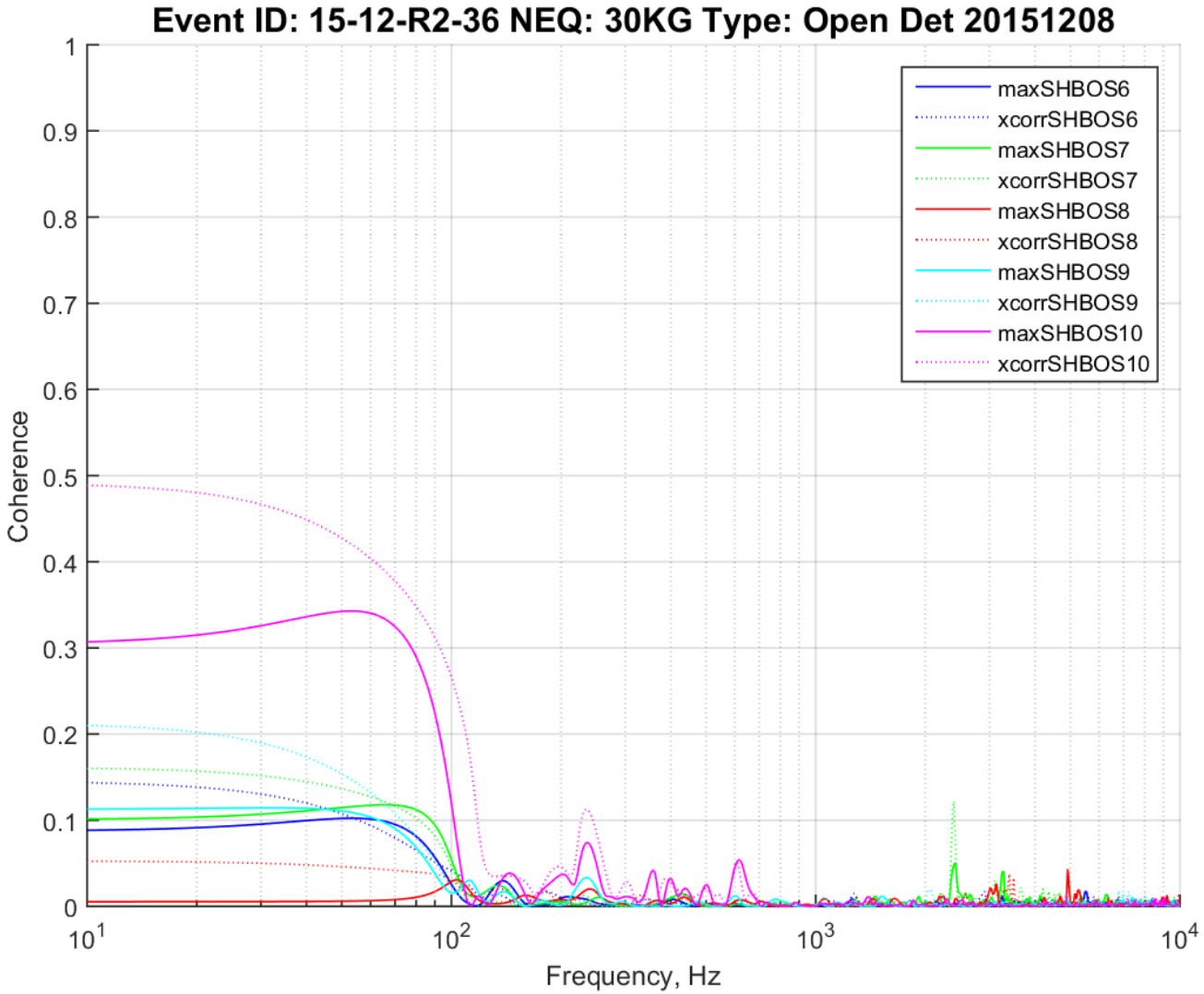


FIGURE 2.2234: COHERENCE SHB_OS 6 - 10 15-12-R2-36CTD

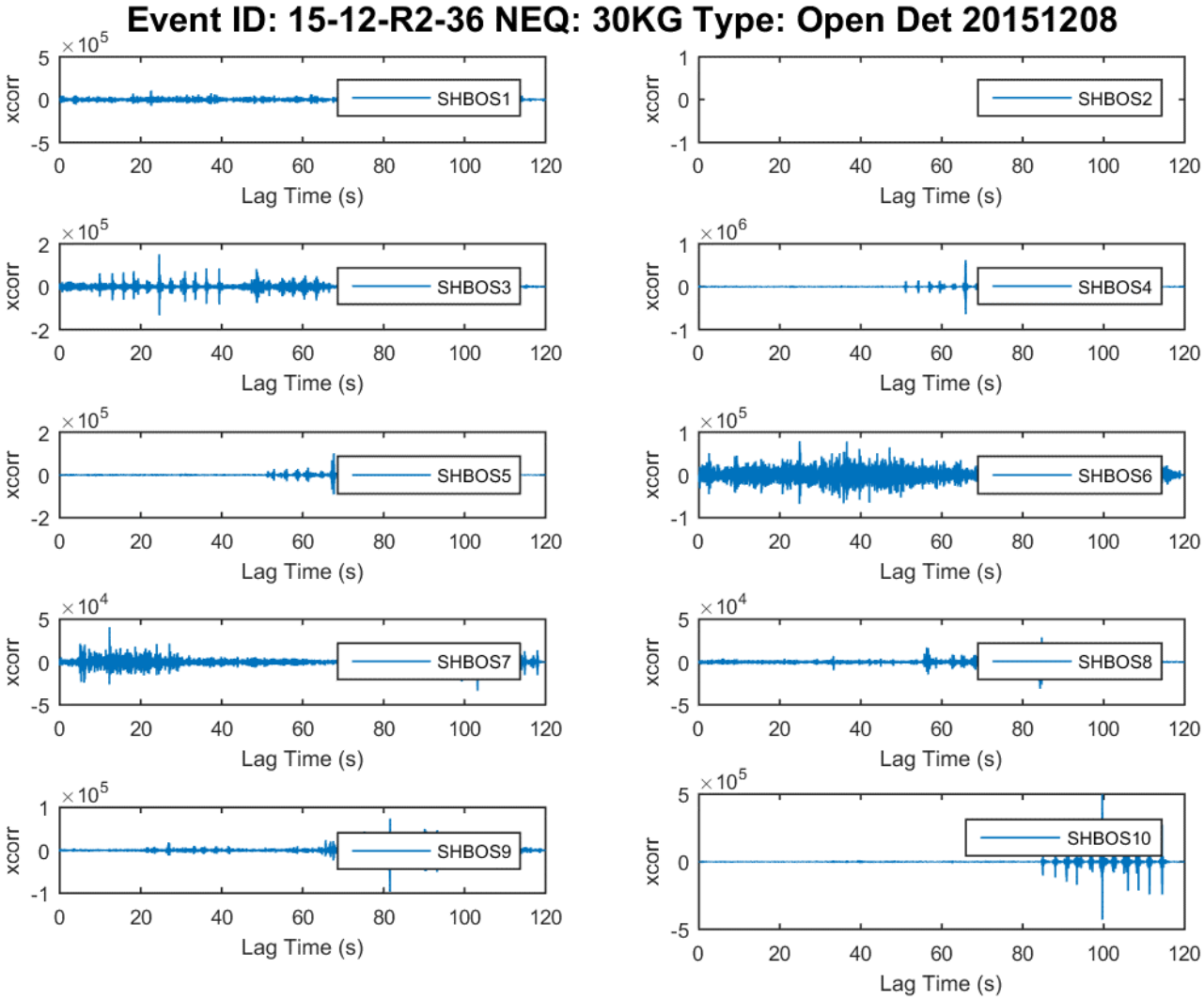


FIGURE 2.2235: CROSS CORRELATION SHB_OS 1 - 10 15-12-R2-36

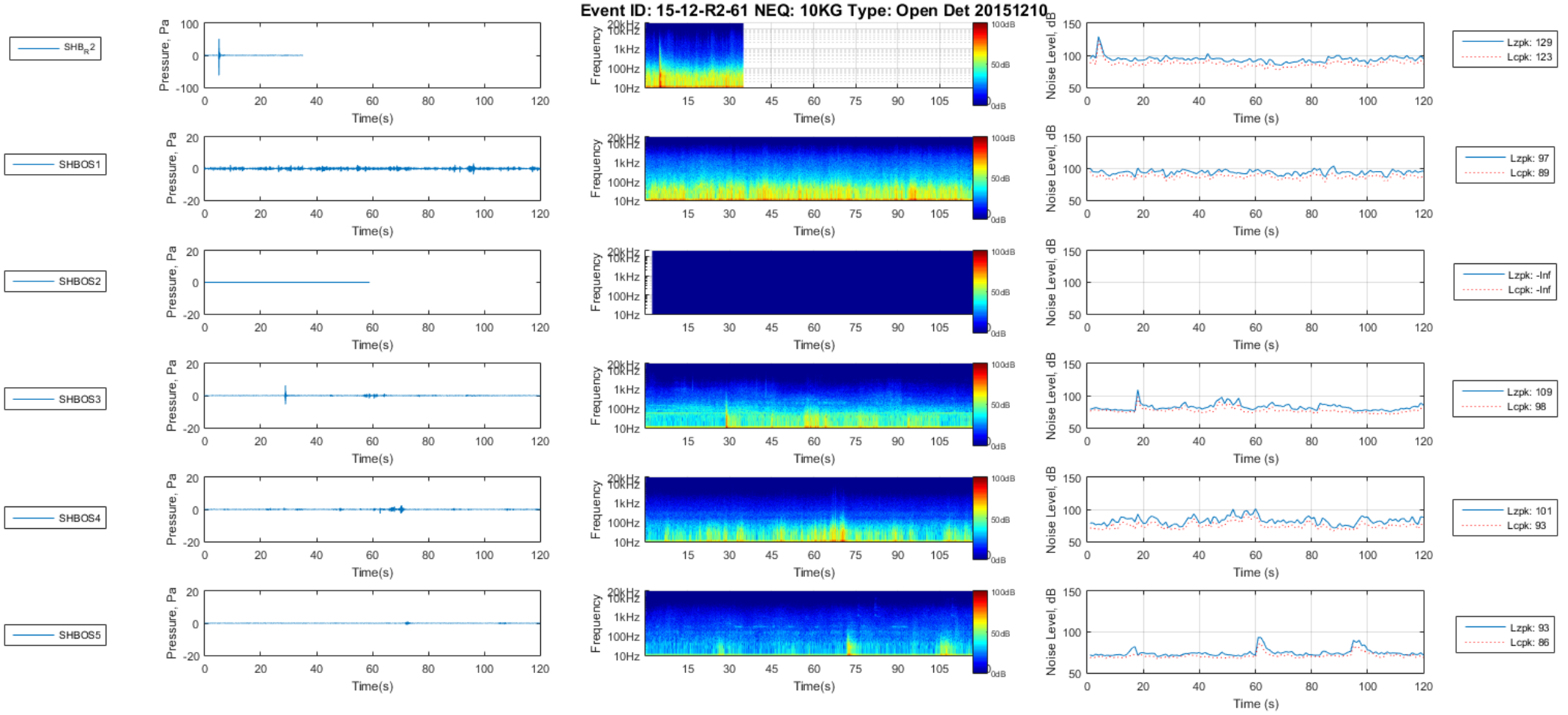


FIGURE 2.2236: SHB_OS 1 - 5 15-12-R2-61

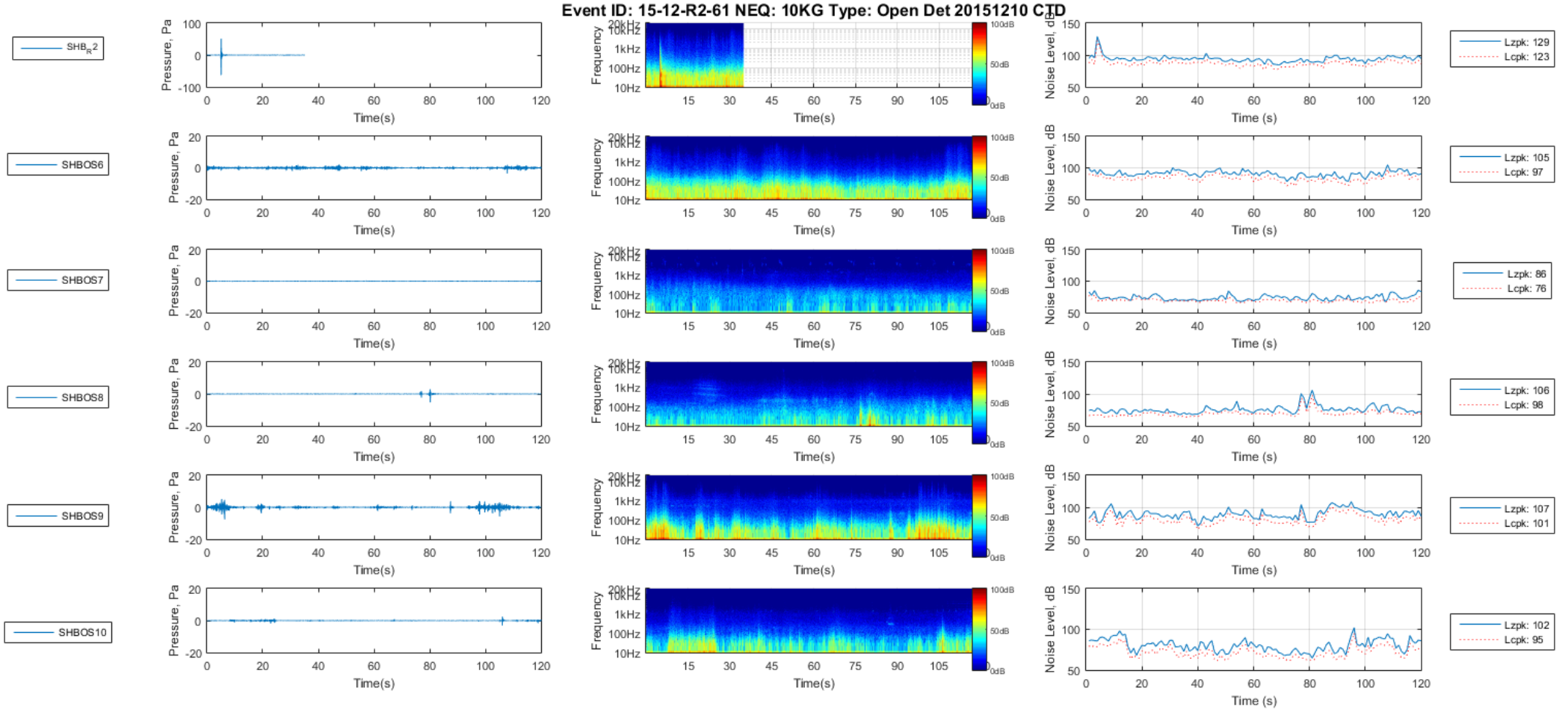


FIGURE 2.2237: SHB_OS 6 - 10 15-12-R2-61

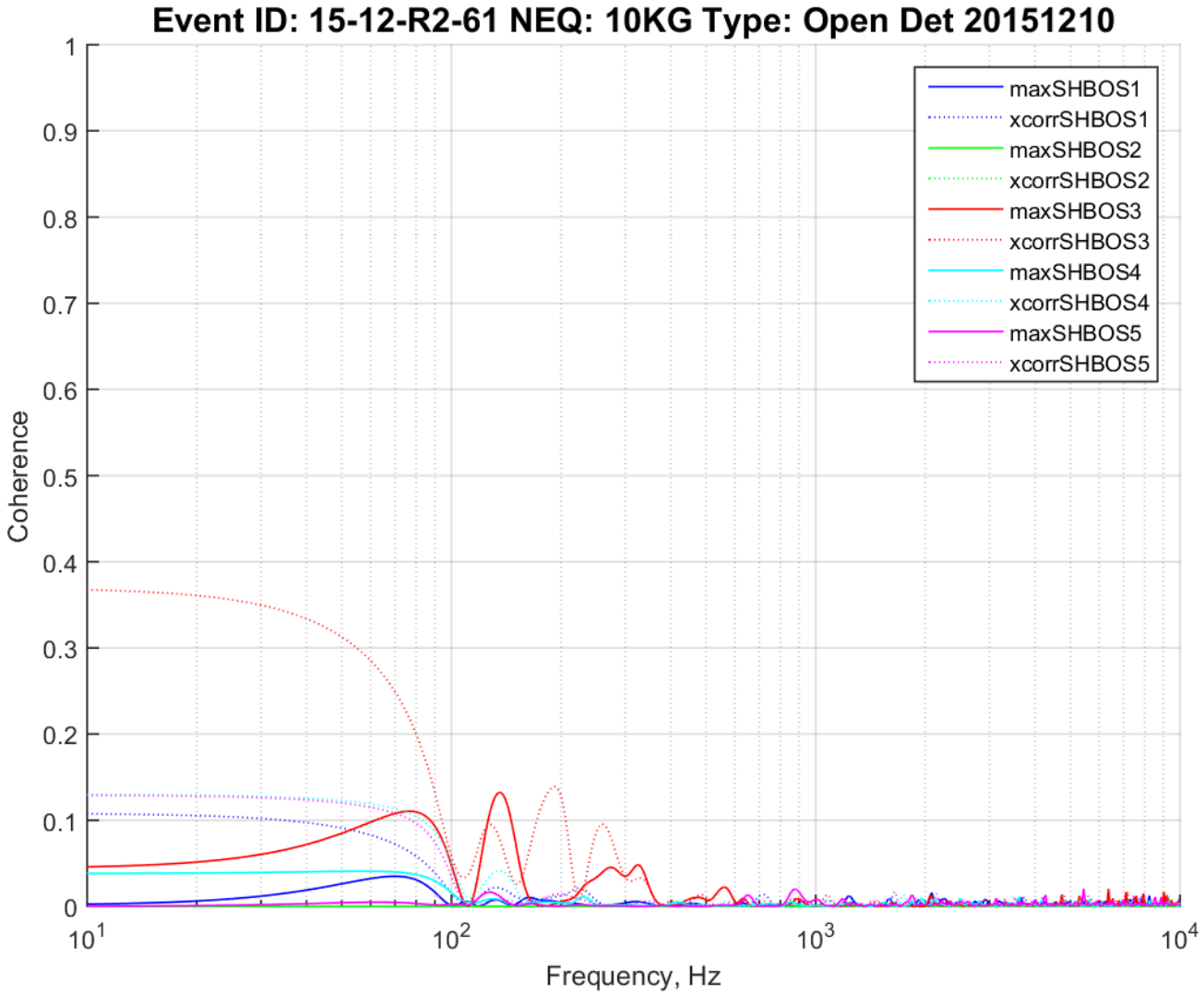


FIGURE 2.2238: COHERENCE SHB_OS 1 - 5 15-12-R2-61

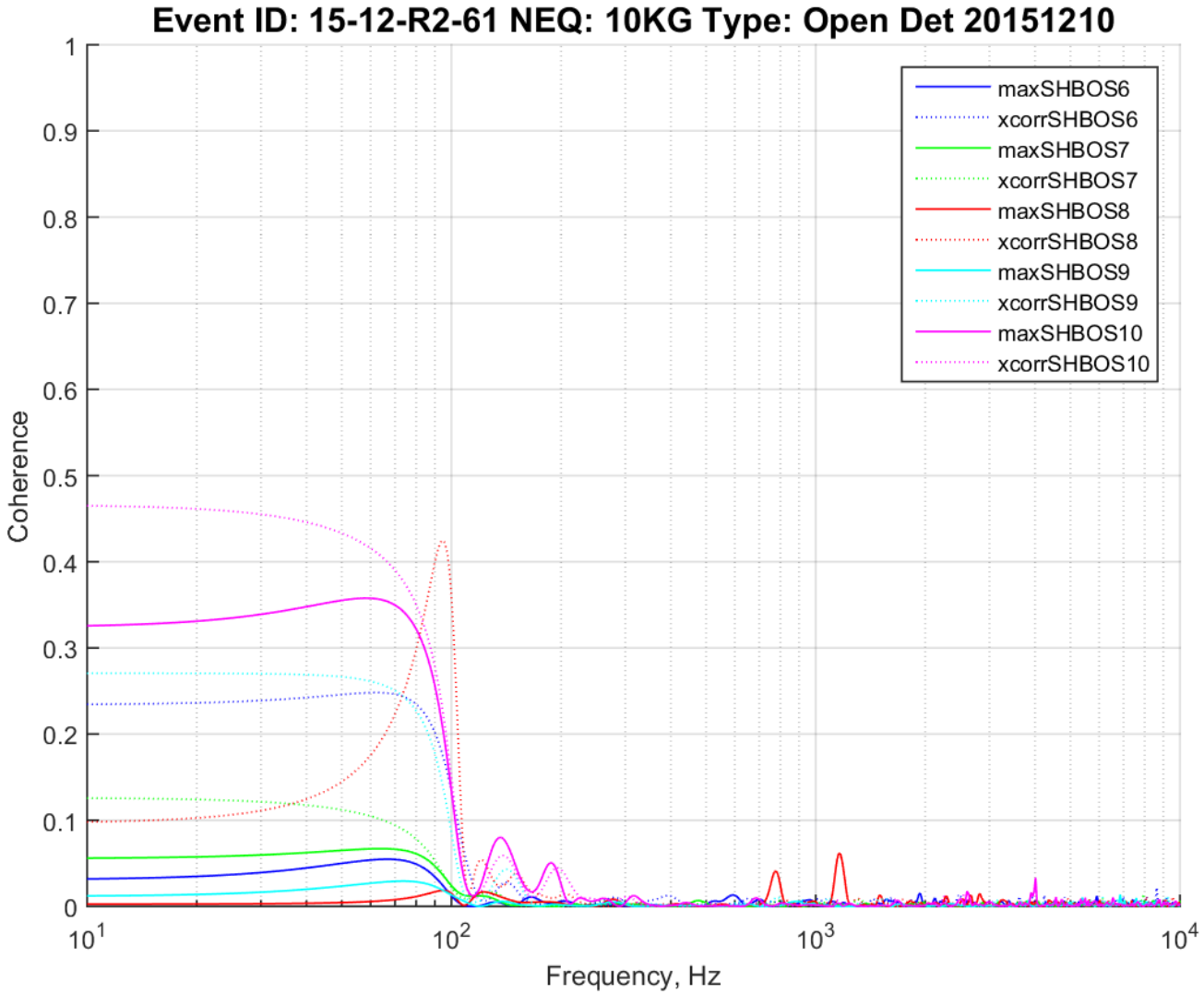


FIGURE 2.2239: COHERENCE SHB_OS 6 - 10 15-12-R2-61CTD

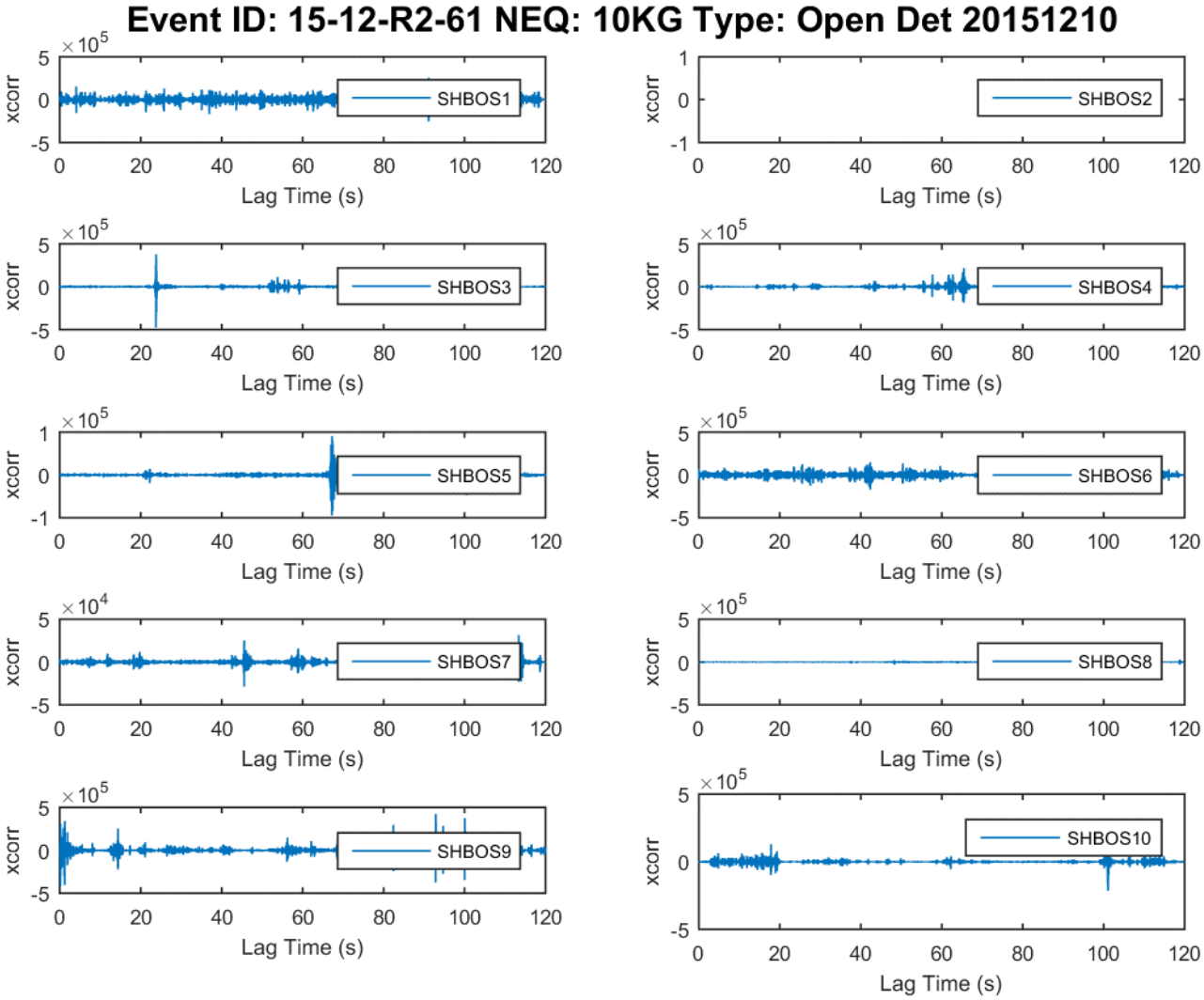


FIGURE 2.2240: CROSS CORRELATION SHB_OS 1 - 10 15-12-R2-61

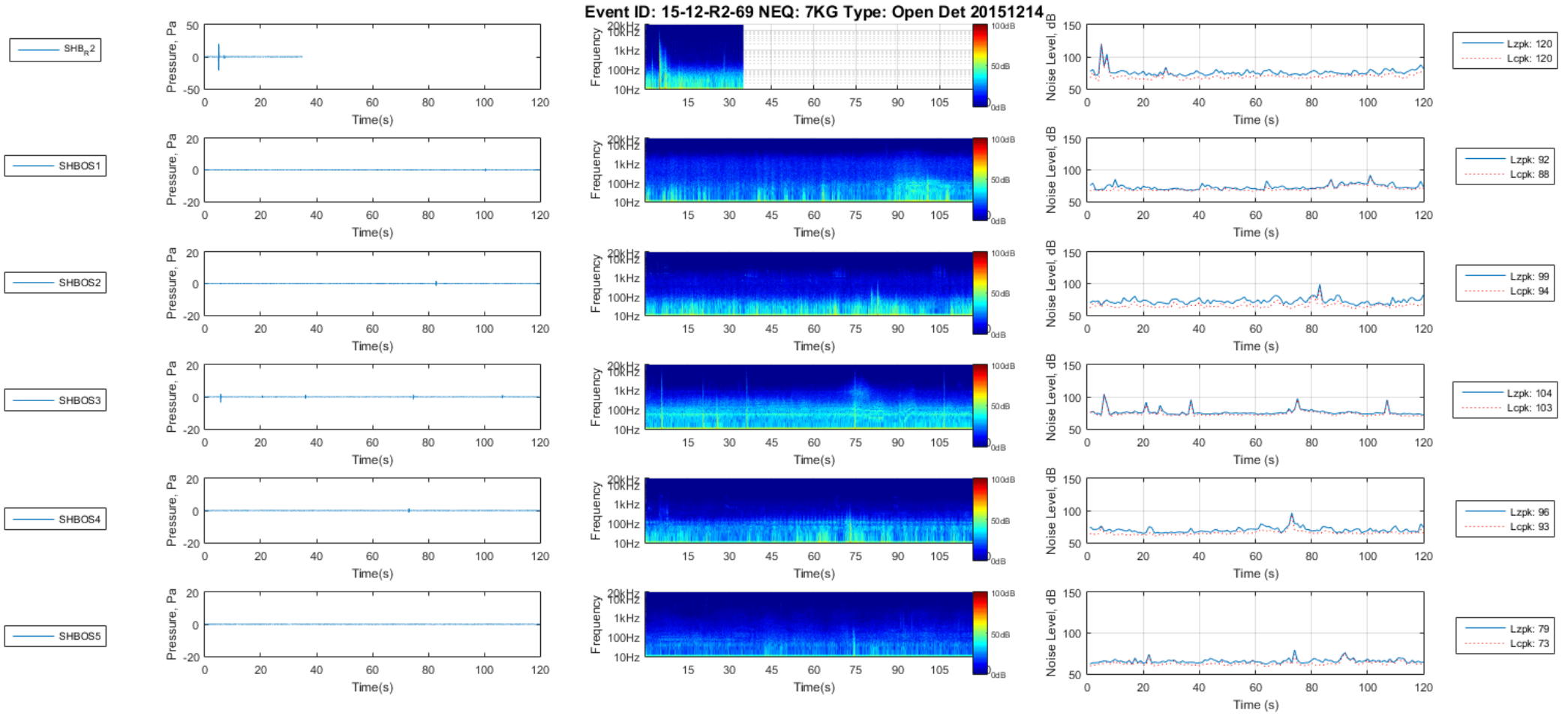


FIGURE 2.2241: SHB_OS 1 - 5 15-12-R2-69

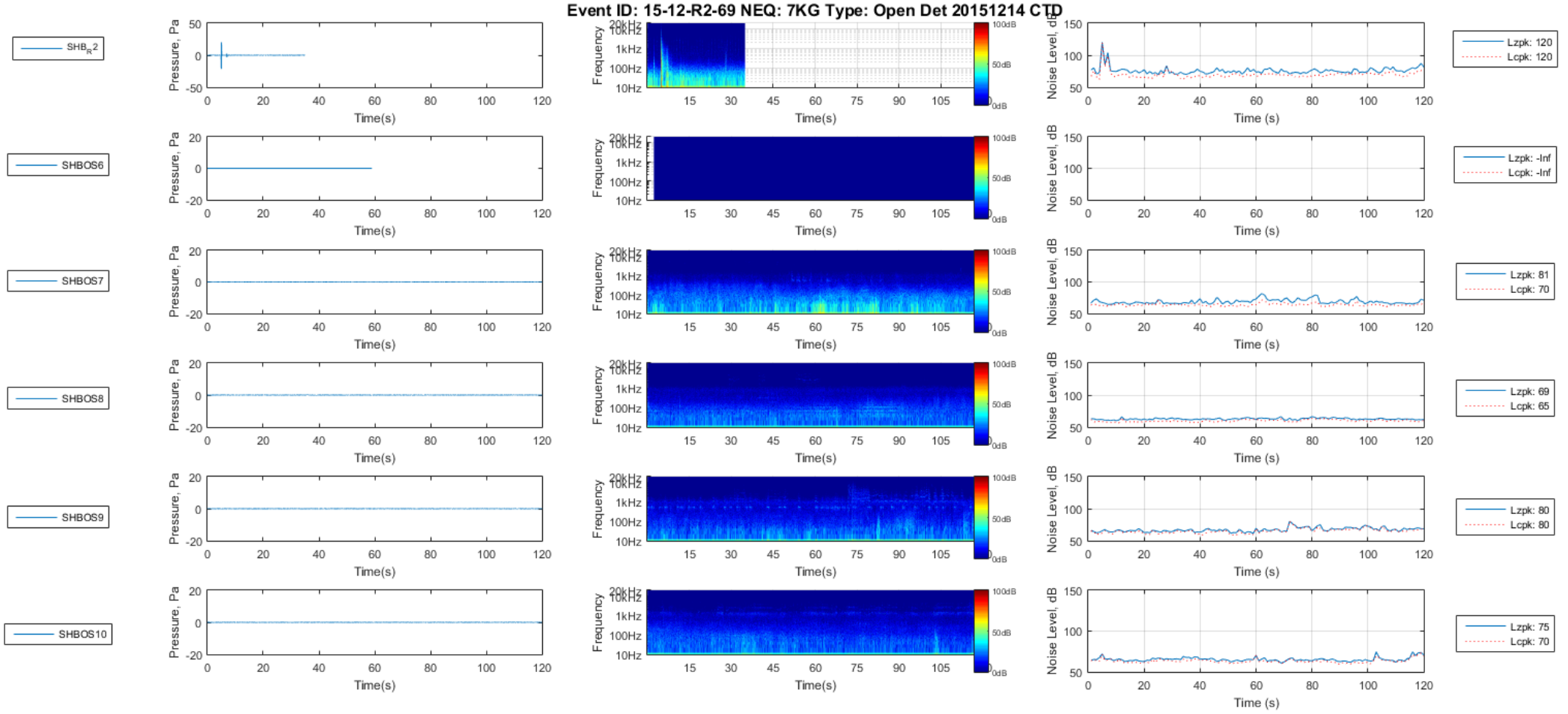


FIGURE 2.2242: SHB_OS 6 - 10 15-12-R2-69

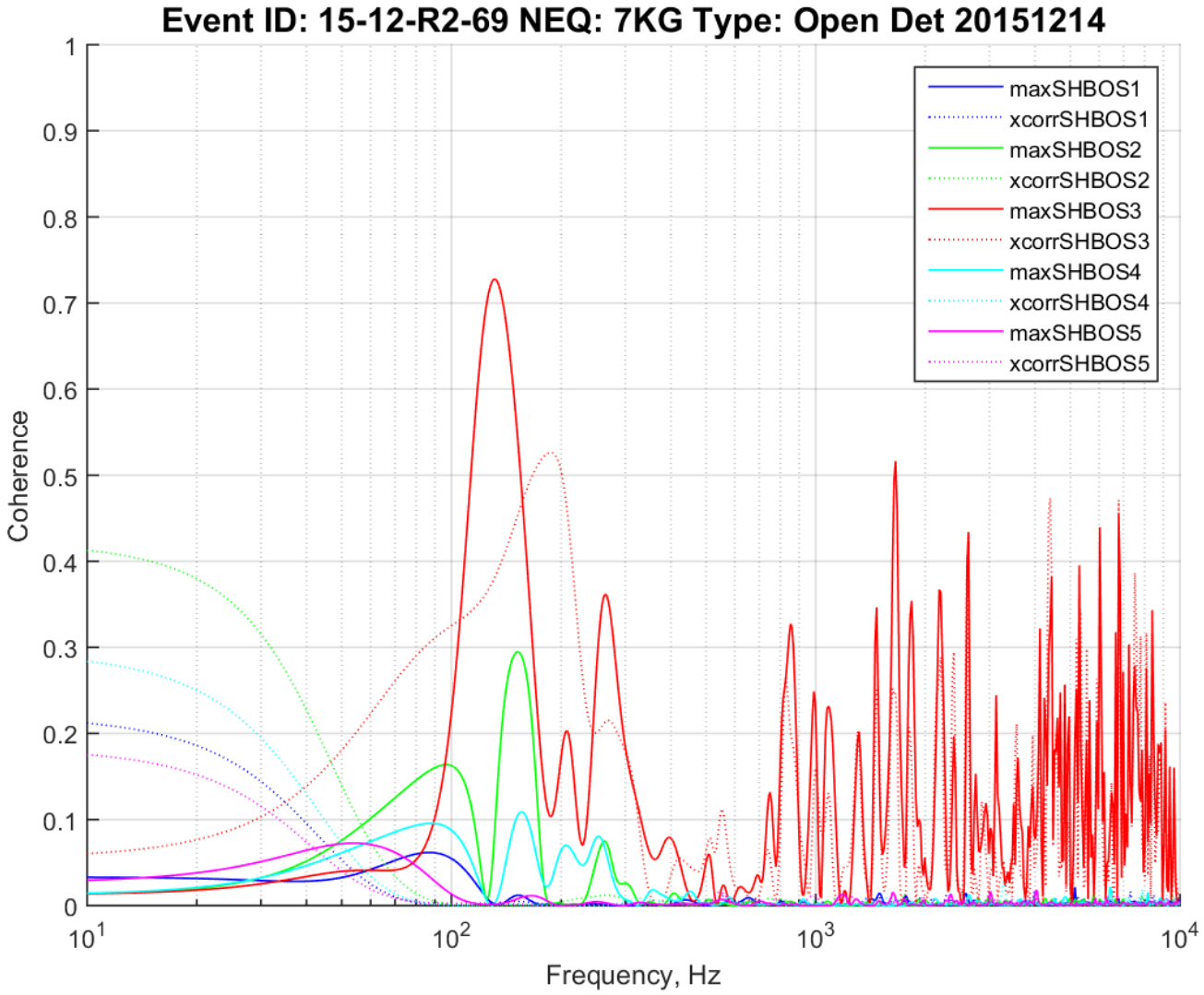


FIGURE 2.2243: COHERENCE SHB_OS 1 - 5 15-12-R2-69

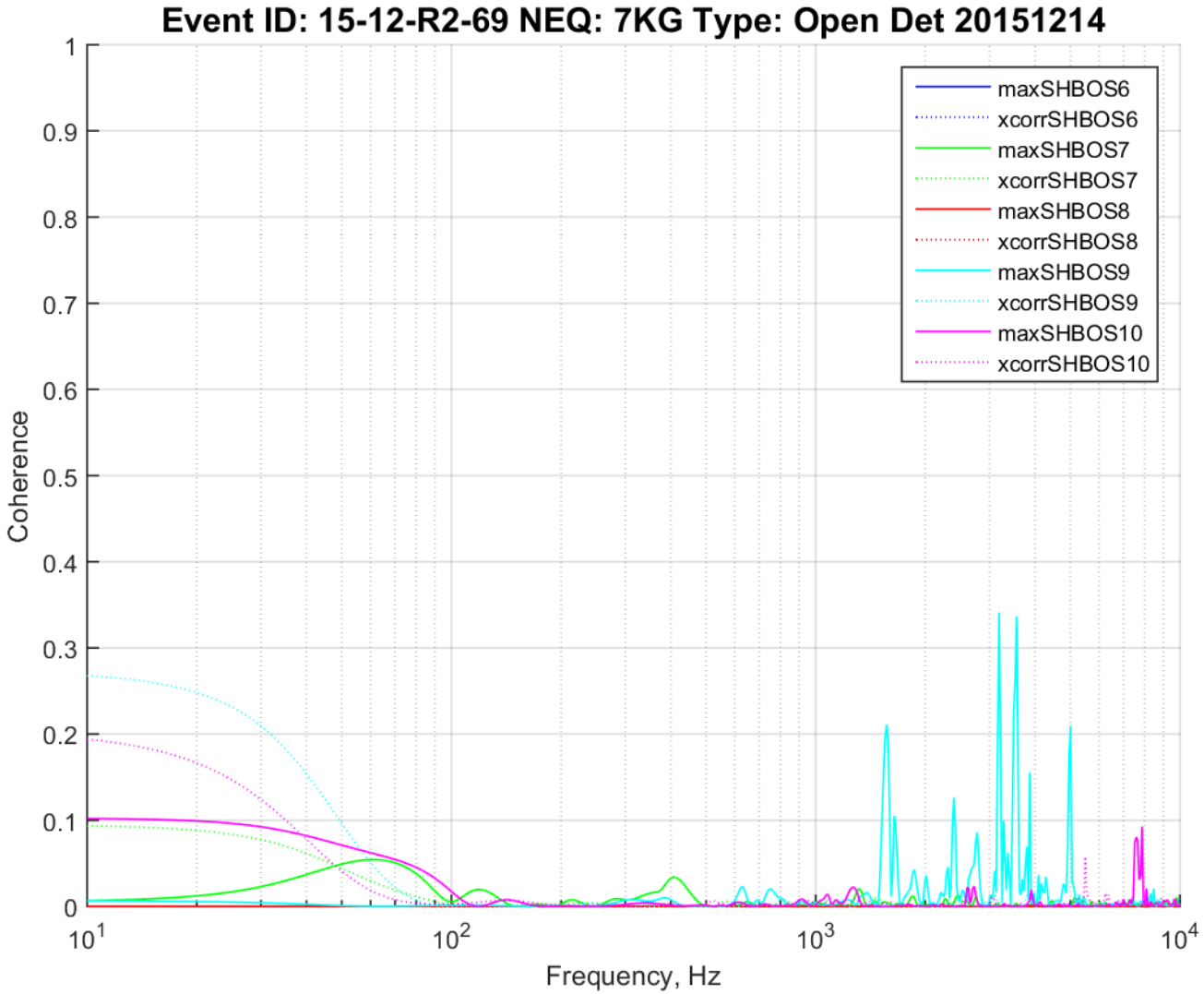


FIGURE 2.2244: COHERENCE SHB_OS 6 - 10 15-12-R2-69CTD

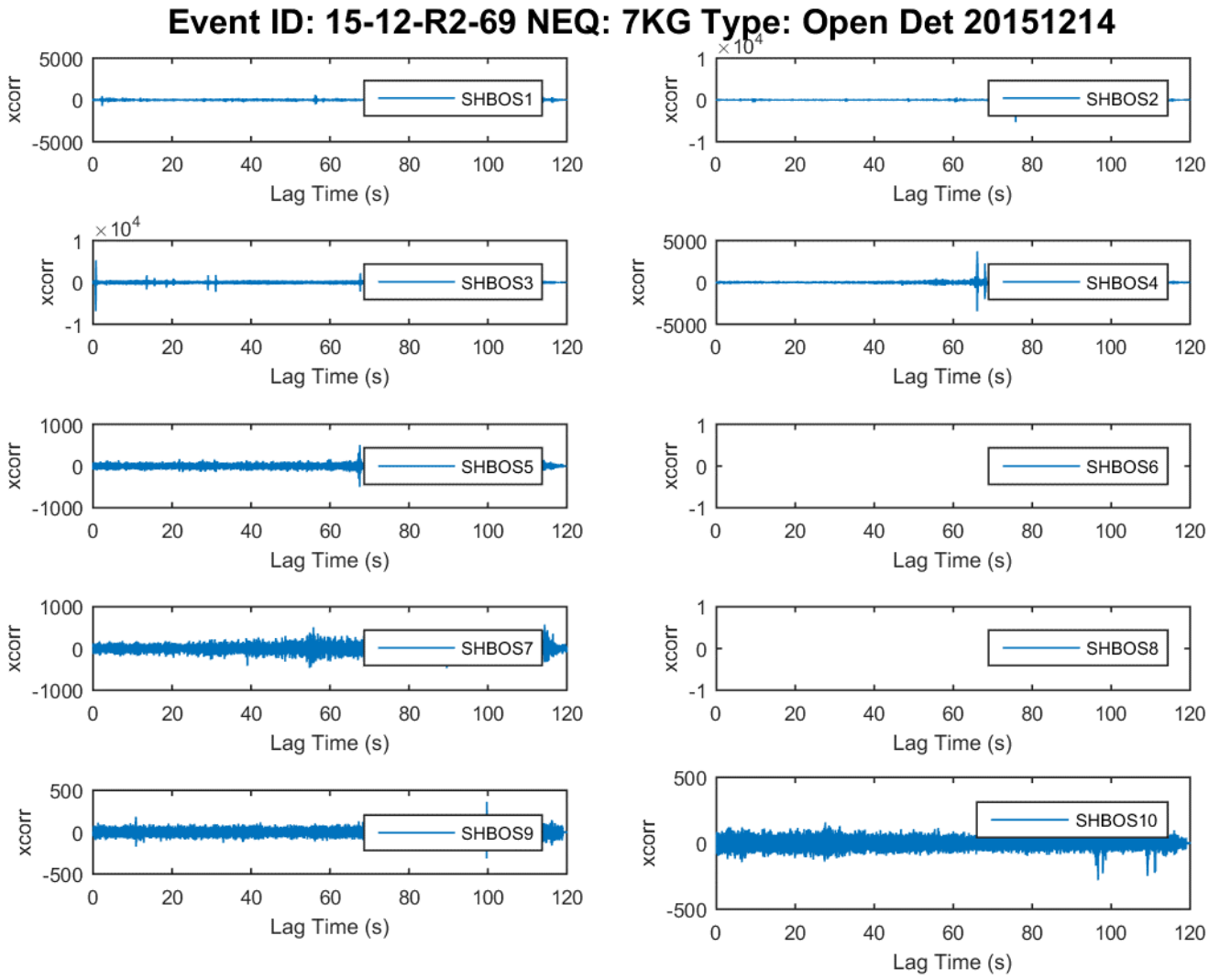


FIGURE 2.2245: CROSS CORRELATION SHB_OS 1 - 10 15-12-R2-69

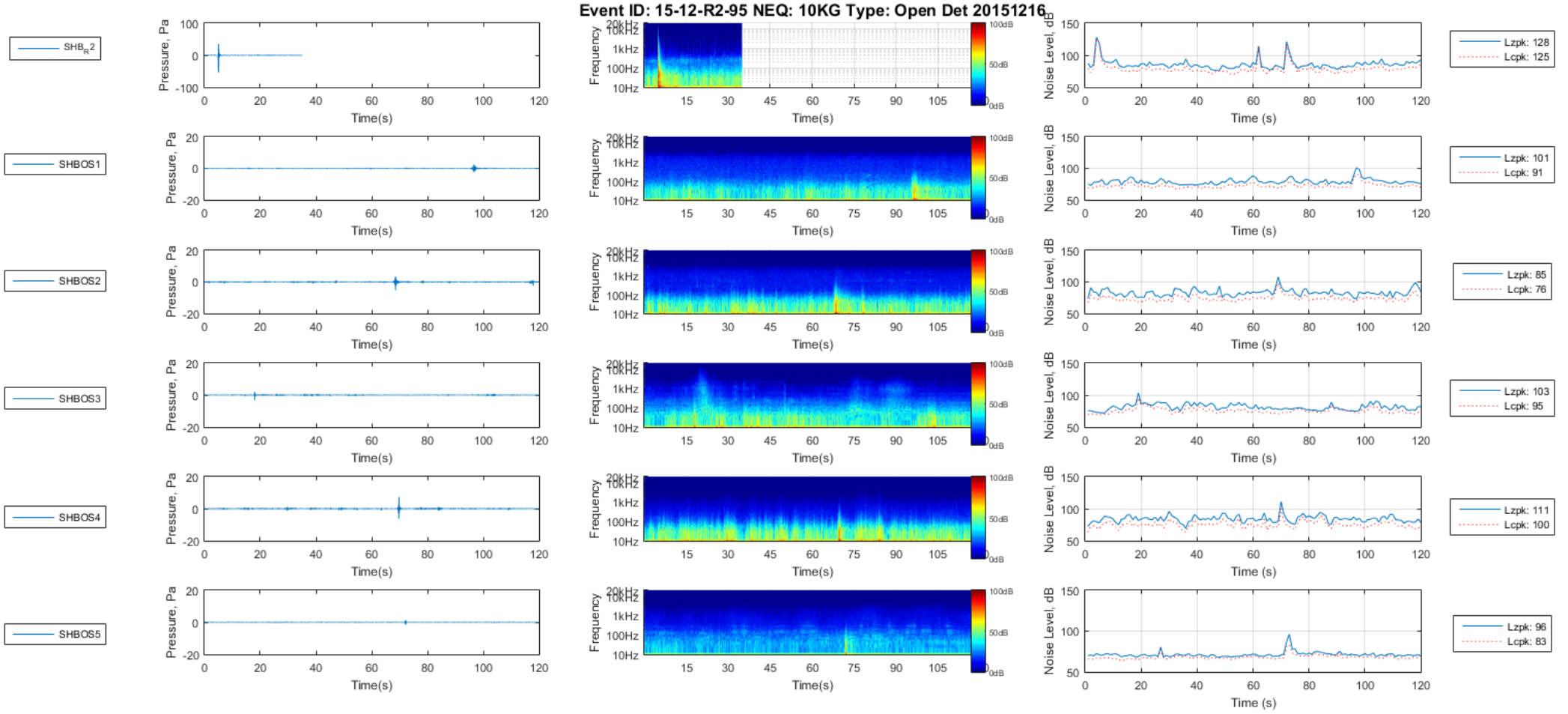


FIGURE 2.2246: SHB_OS 1 - 5 15-12-R2-95

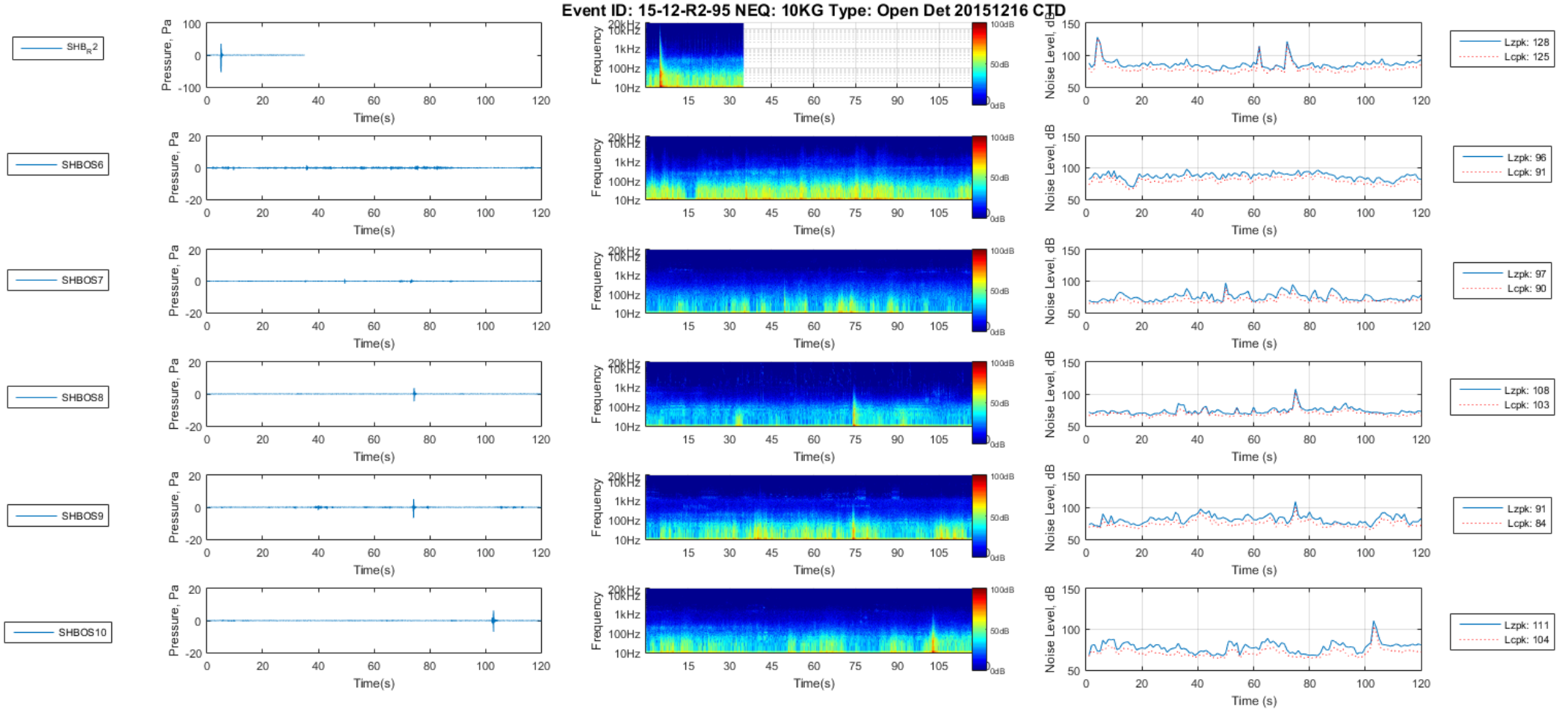


FIGURE 2.2247: SHB_OS 6 - 10 15-12-R2-95

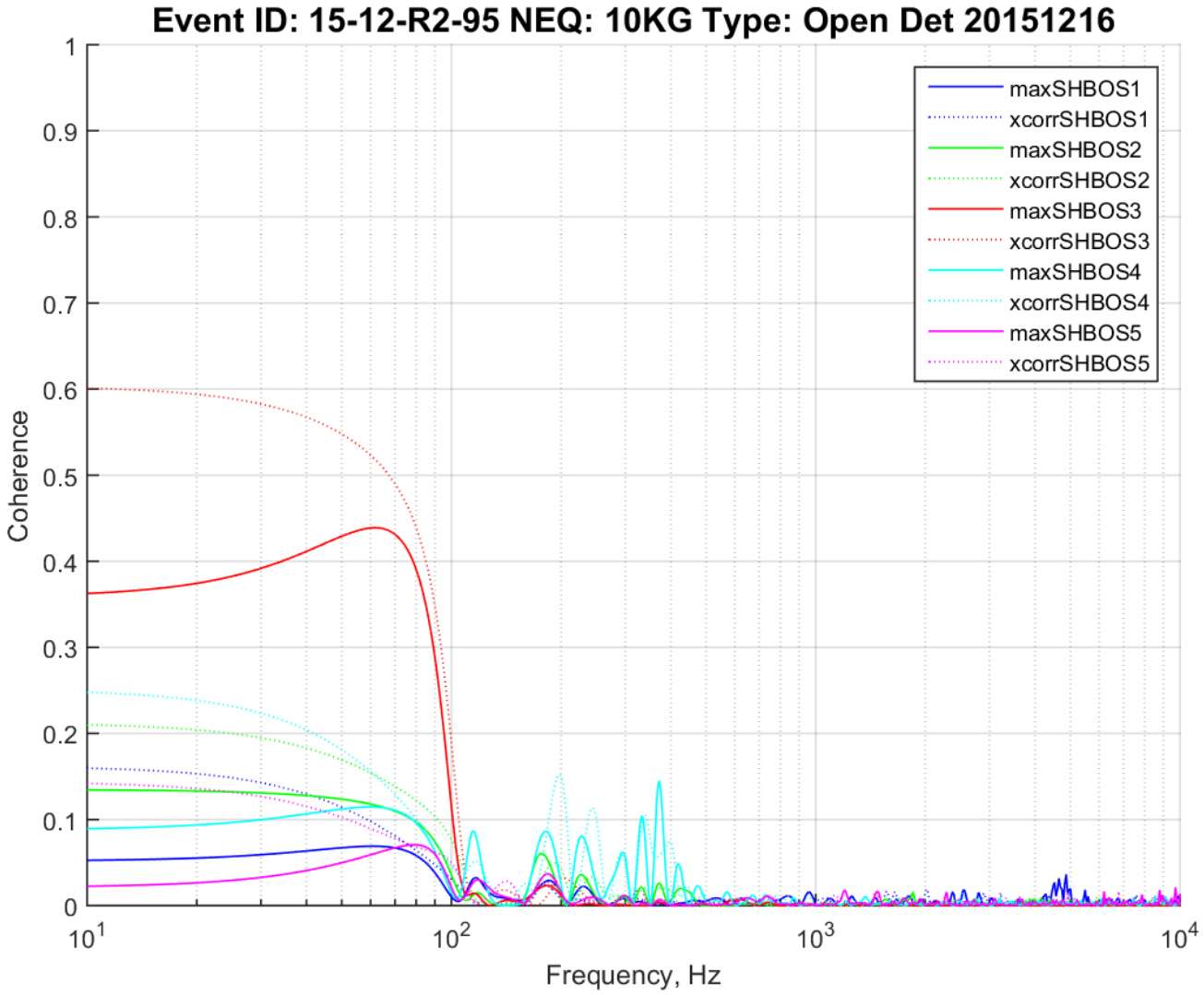


FIGURE 2.2248: COHERENCE SHB_OS 1 - 5 15-12-R2-95

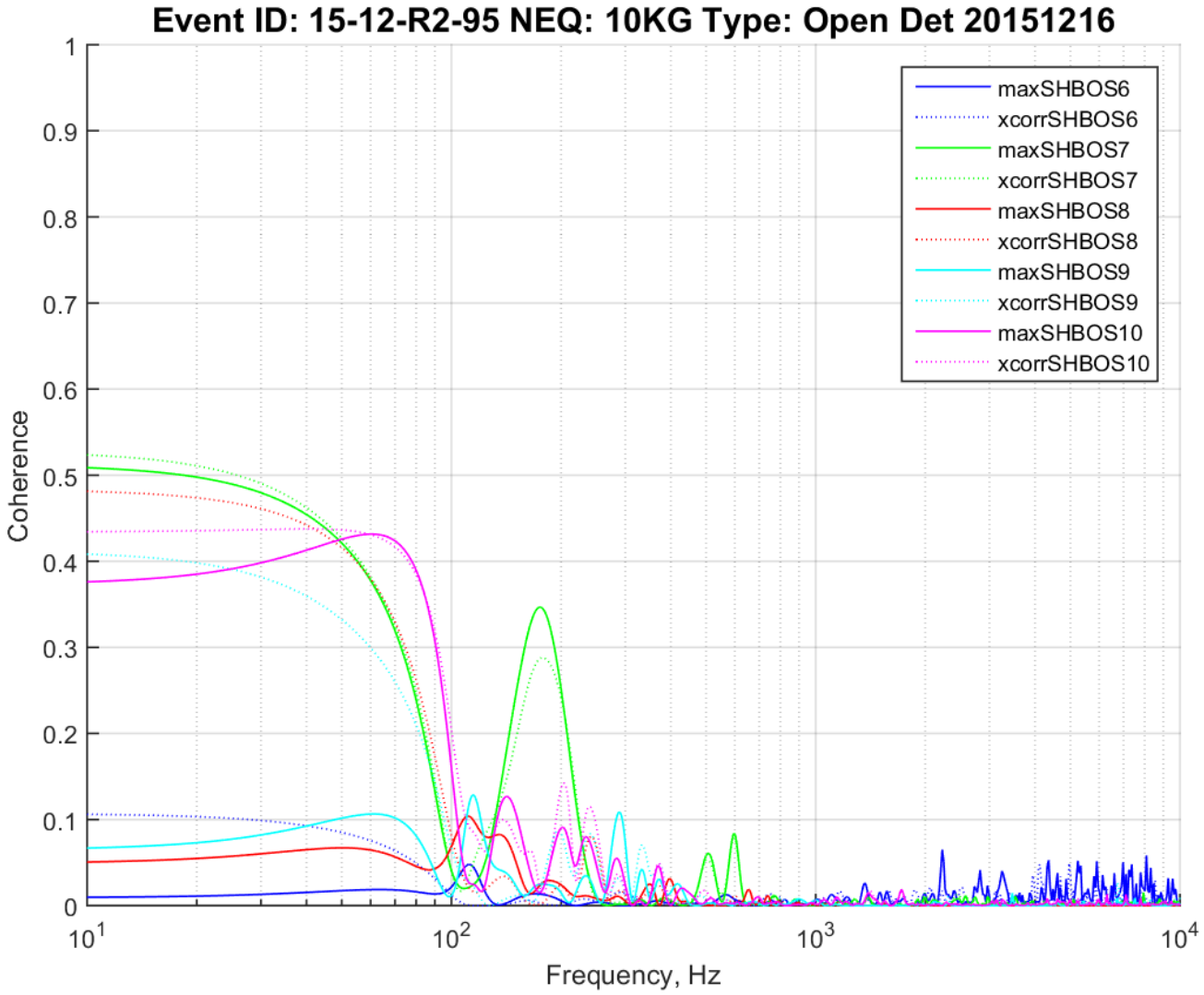


FIGURE 2.2249: COHERENCE SHB_OS 6 - 10 15-12-R2-95CTD

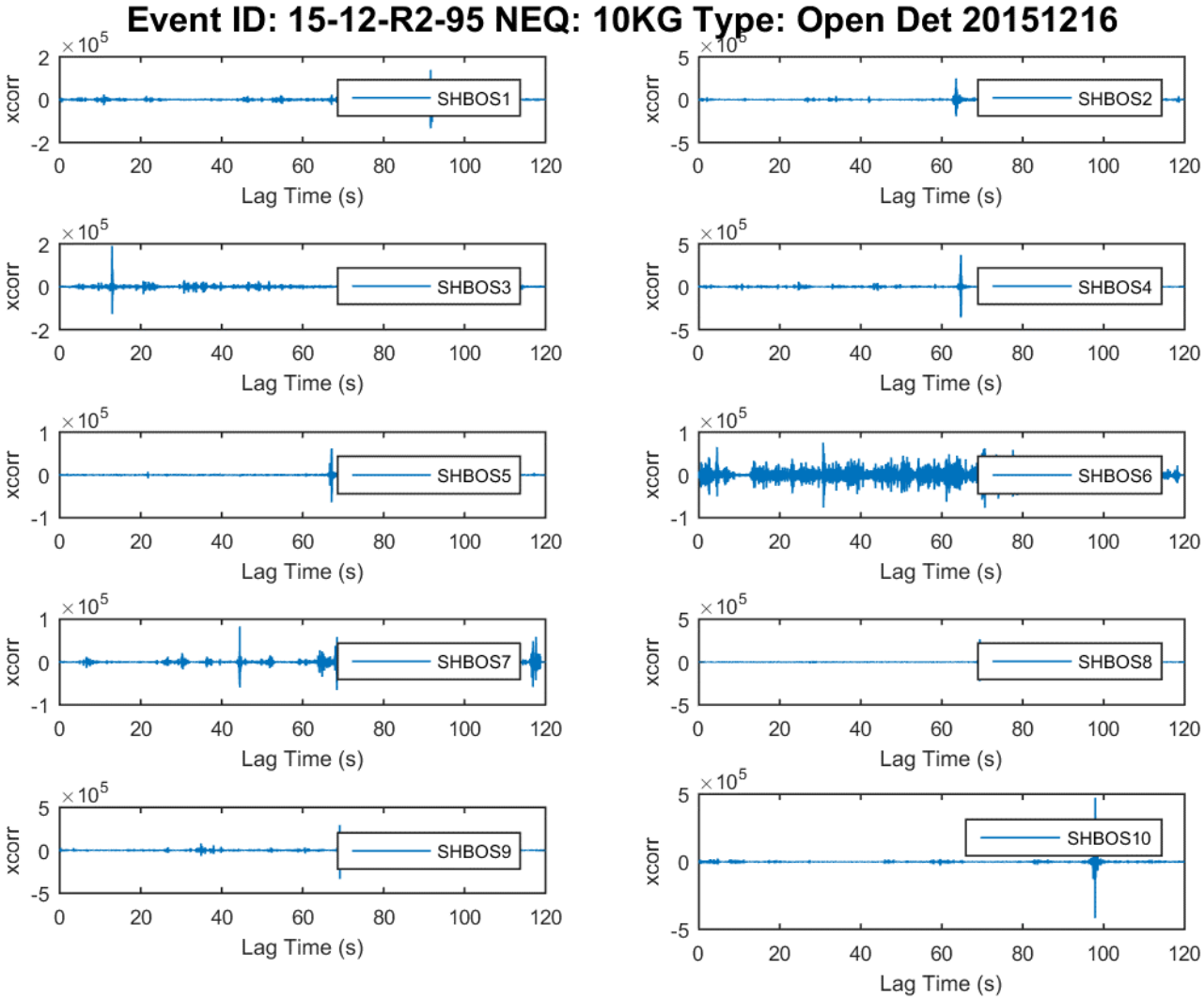


FIGURE 2.2250: CROSS CORRELATION SHB_OS 1 - 10 15-12-R2-95

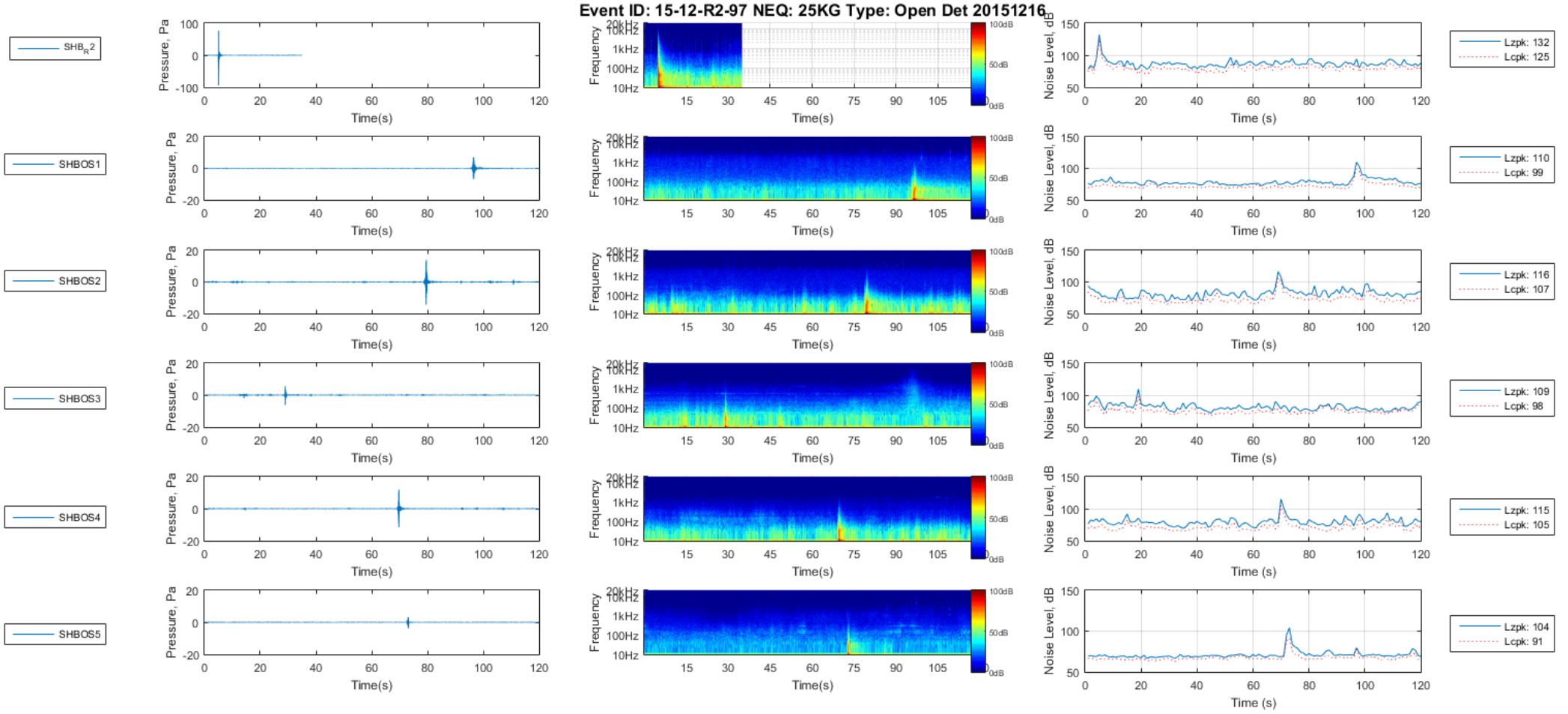


FIGURE 2.2251: SHB_OS 1 - 5 15-12-R2-97

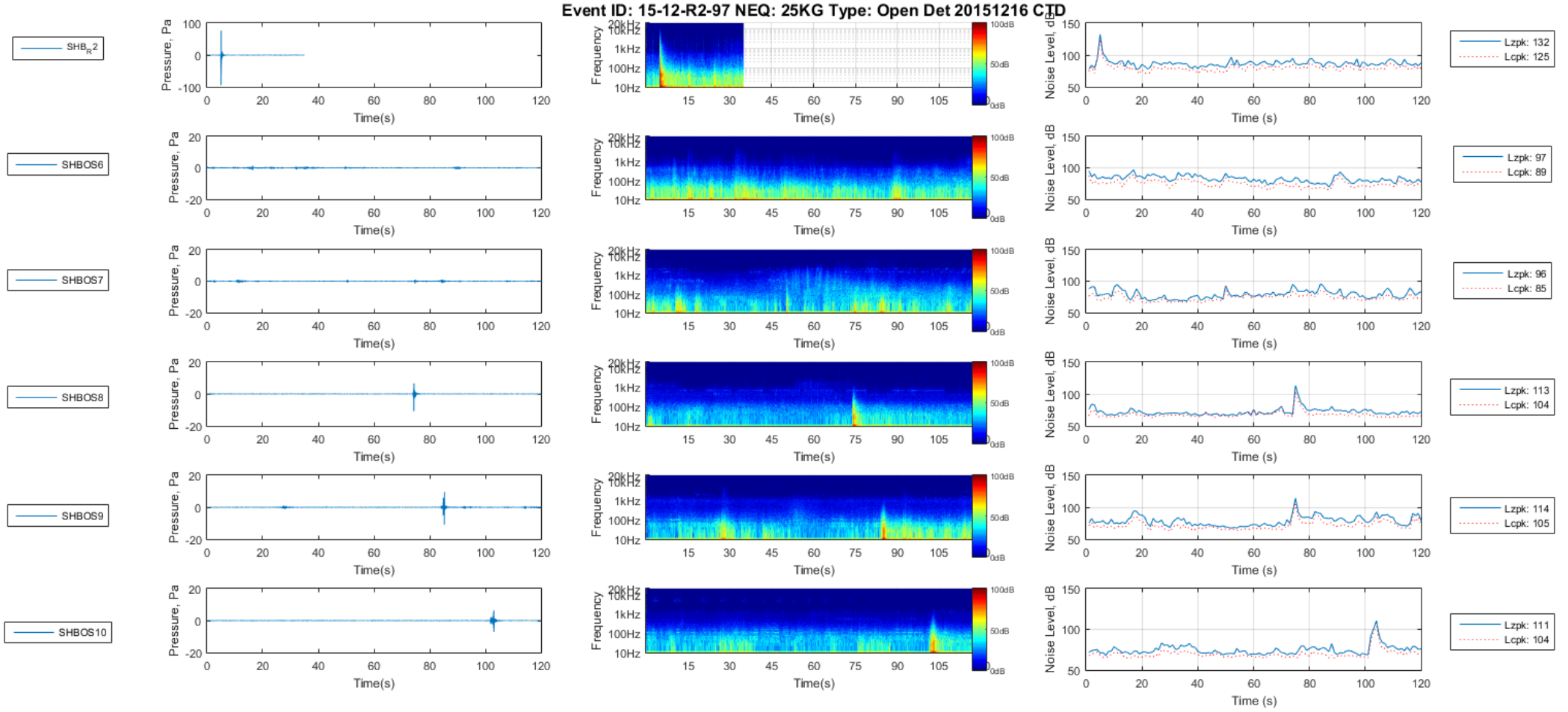


FIGURE 2.2252: SHB_OS 6 - 10 15-12-R2-97

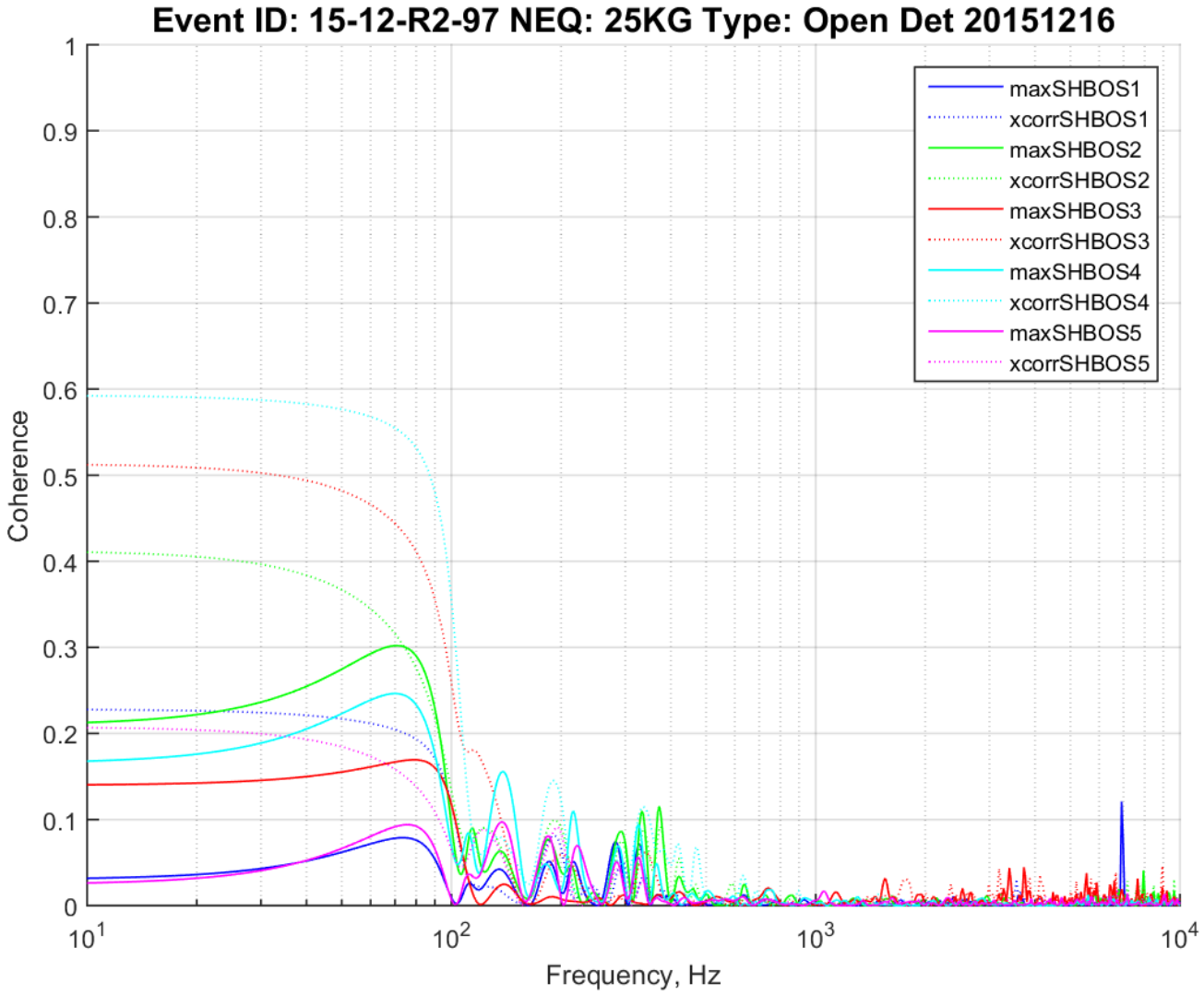


FIGURE 2.2253: COHERENCE SHB_OS 1 - 5 15-12-R2-97

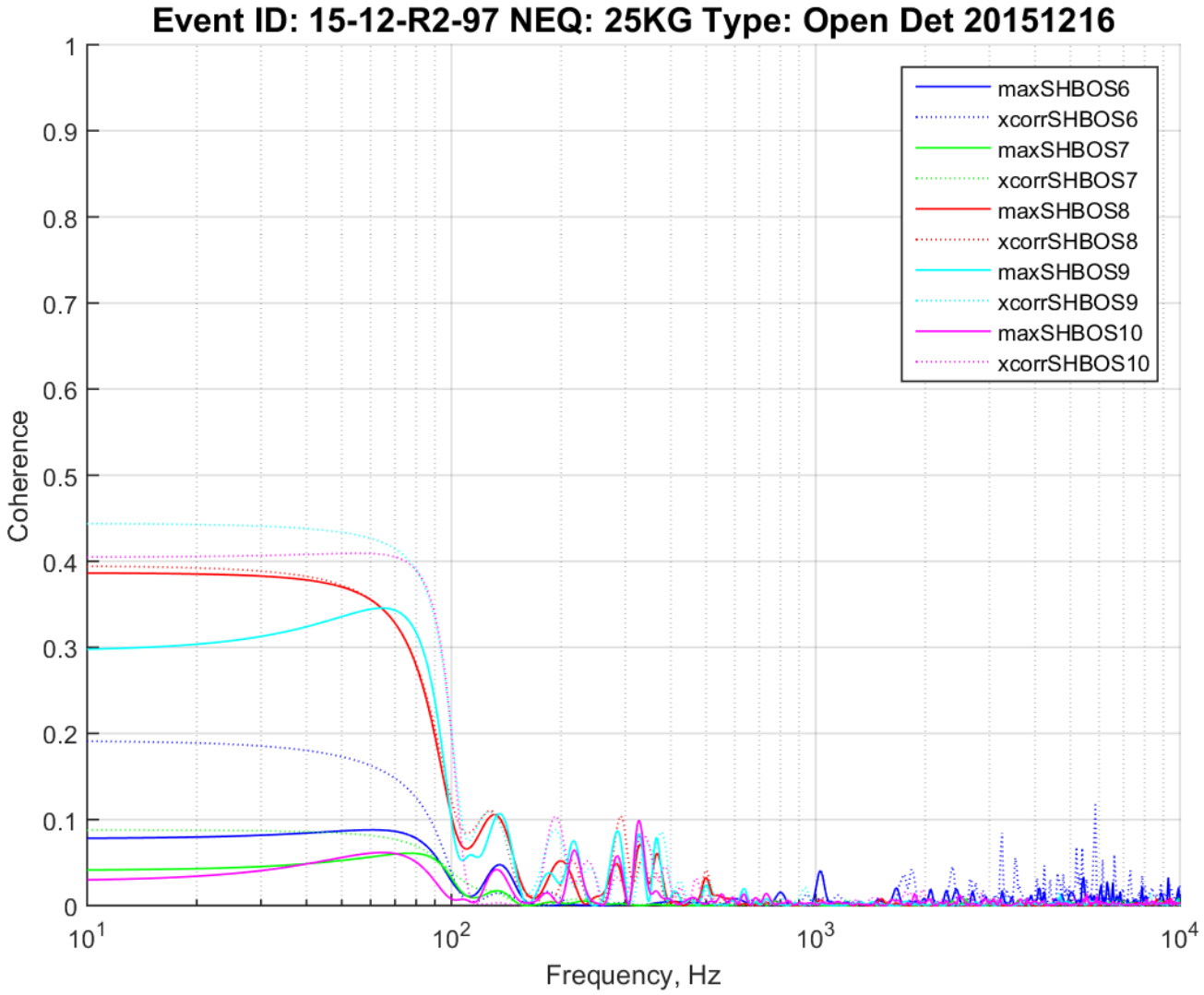


FIGURE 2.2254: COHERENCE SHB_OS 6 - 10 15-12-R2-97CTD

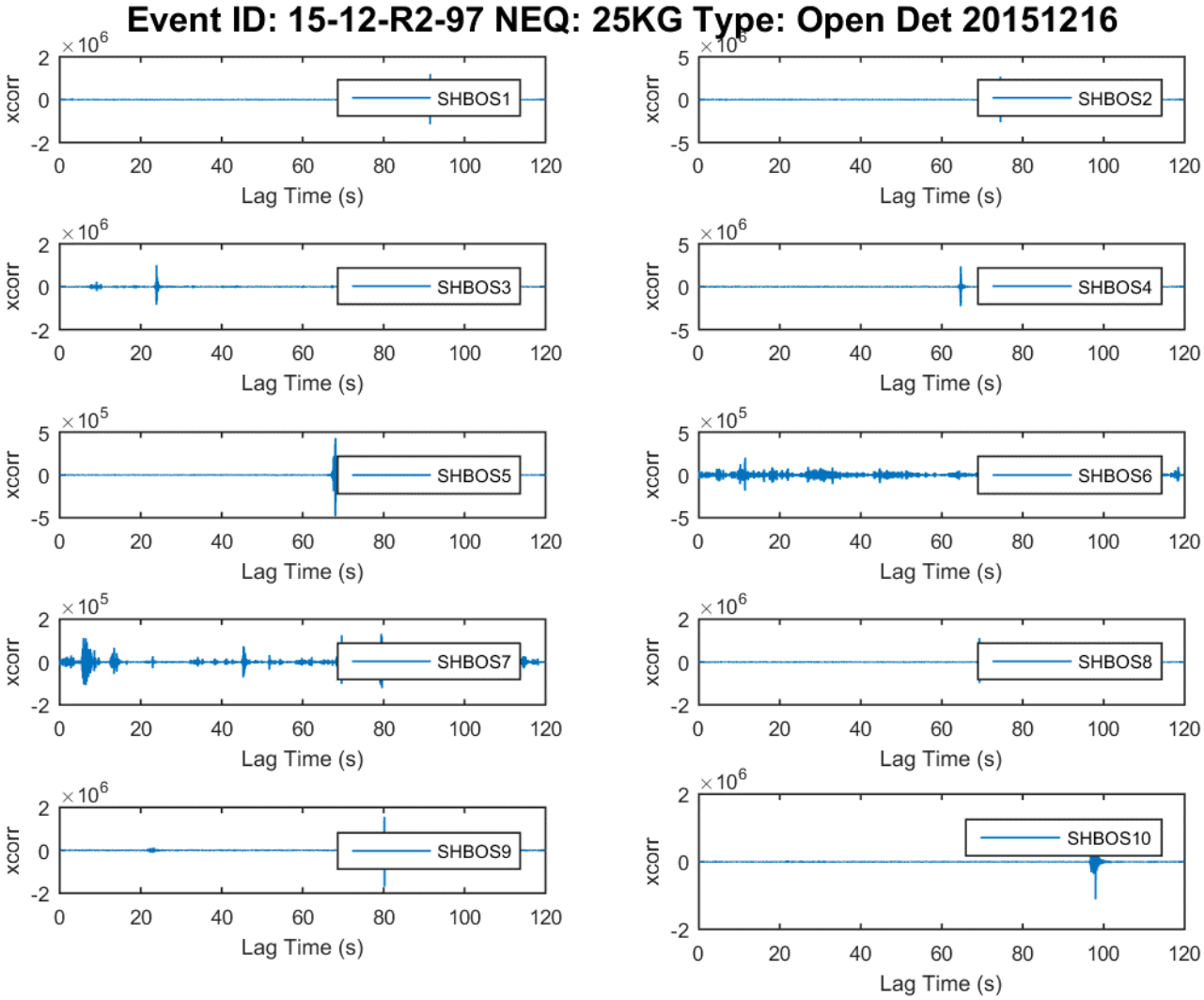


FIGURE 2.2255: CROSS CORRELATION SHB_OS 1 - 10 15-12-R2-97

VOLUME 3: TECHNICAL APPENDICES – RESULTS
CHAPTER 3: FULL MONITORING RESULTS – GROUND-BORNE VIBRATION

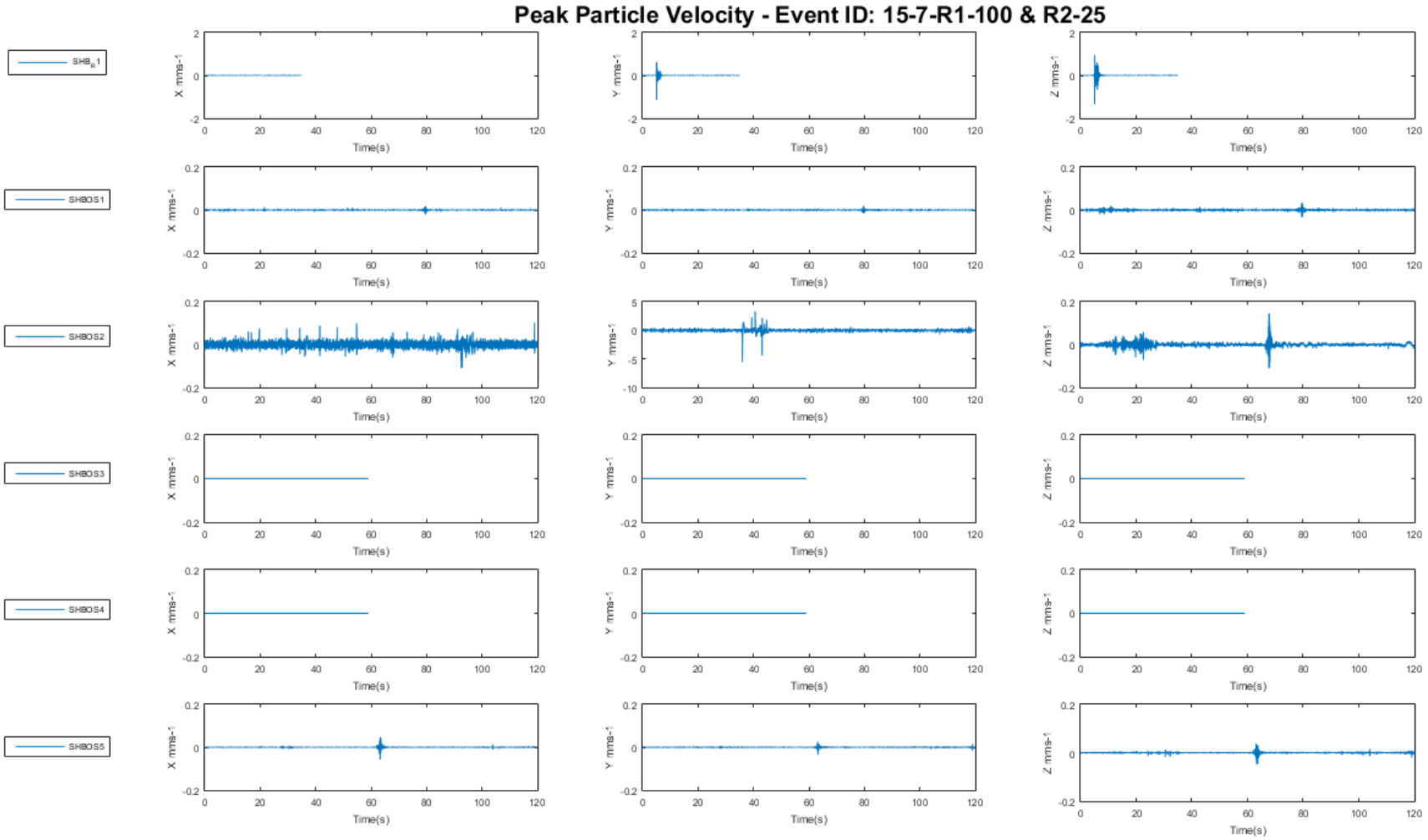


FIGURE 3.1: SHB_OS 1 - 5 15-7-R1-100 & R2-25

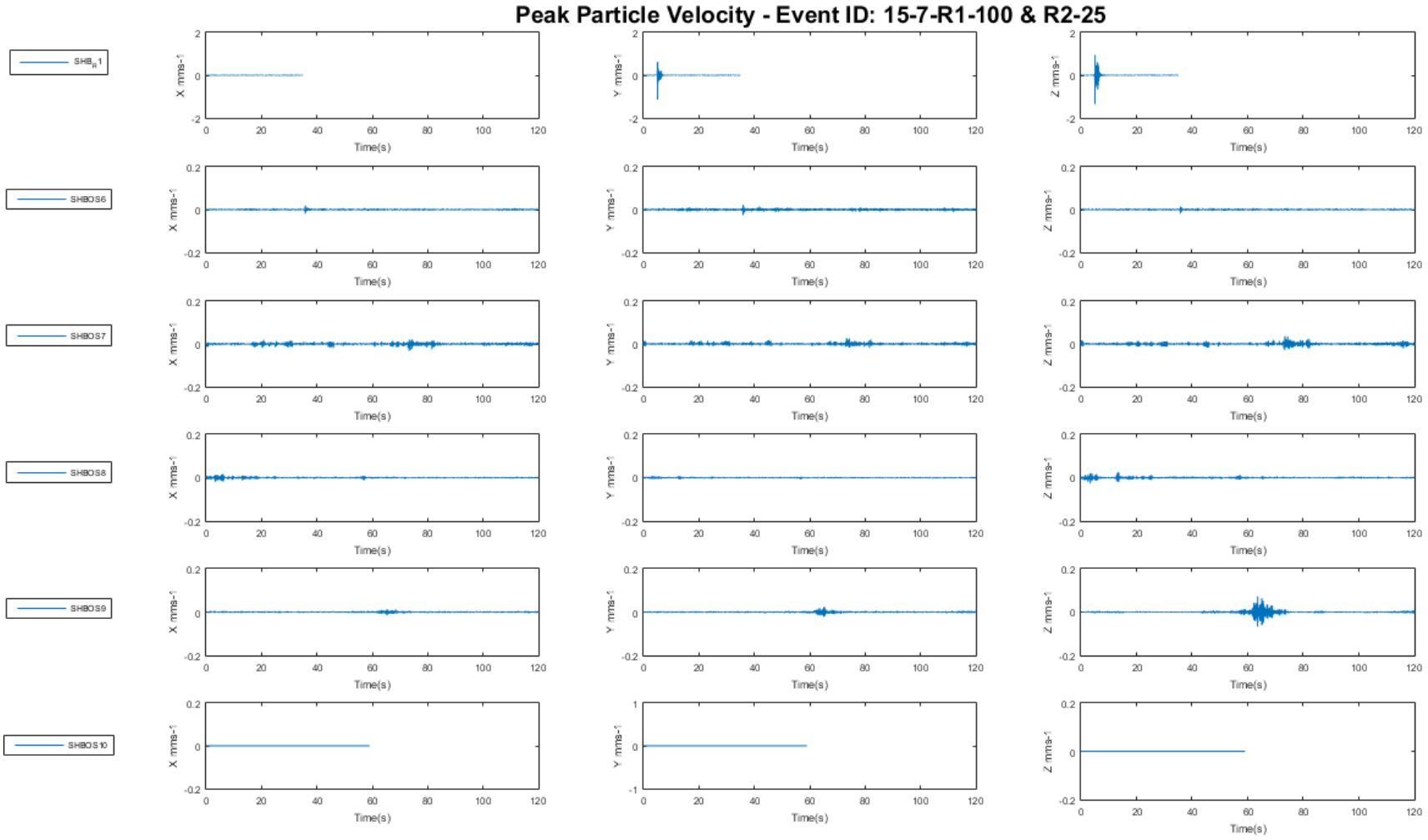


FIGURE 3.2: SHB_OS 6 - 10 15-7-R1-100 & R2-25

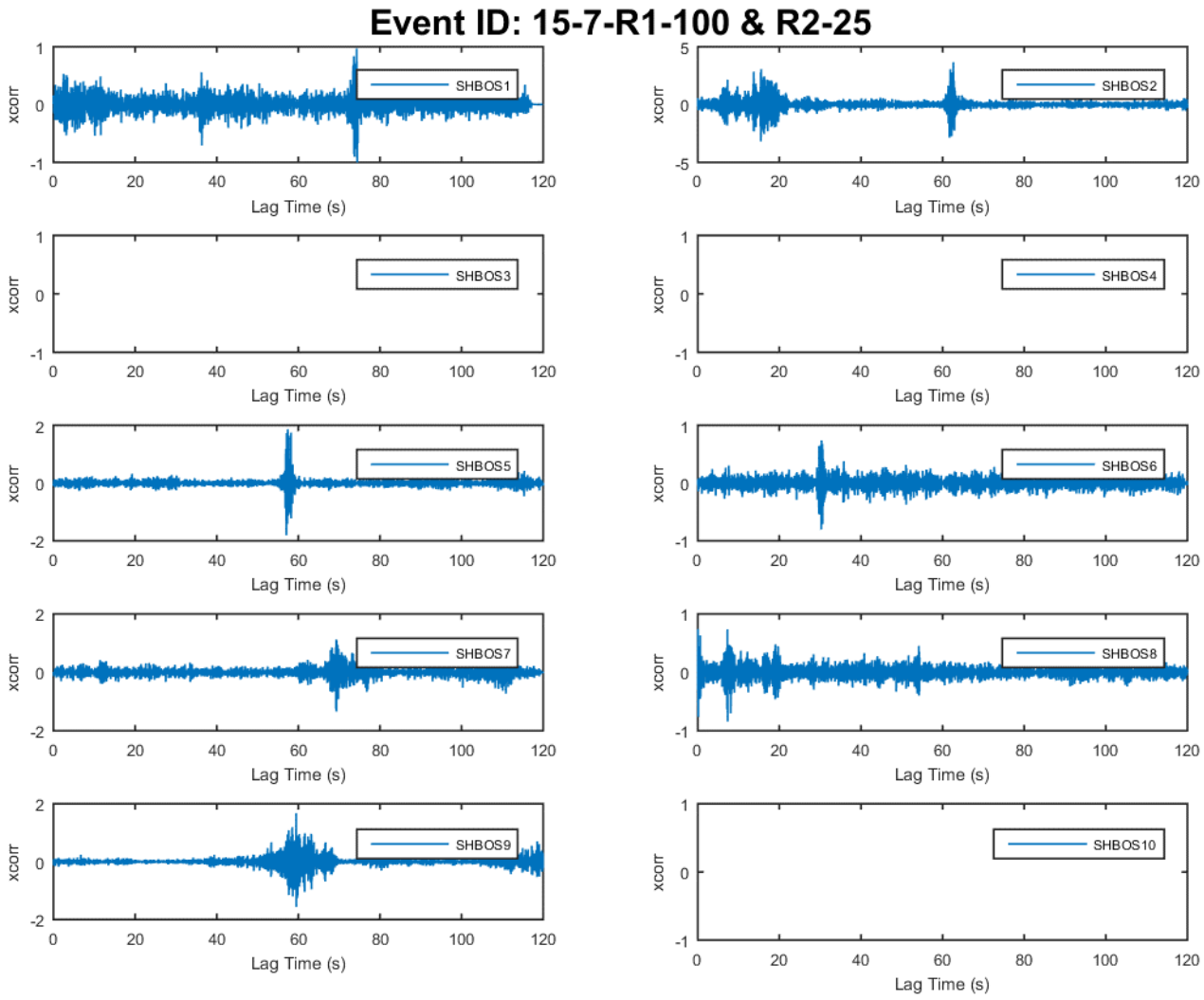


FIGURE 3.3: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-100 & R2-25

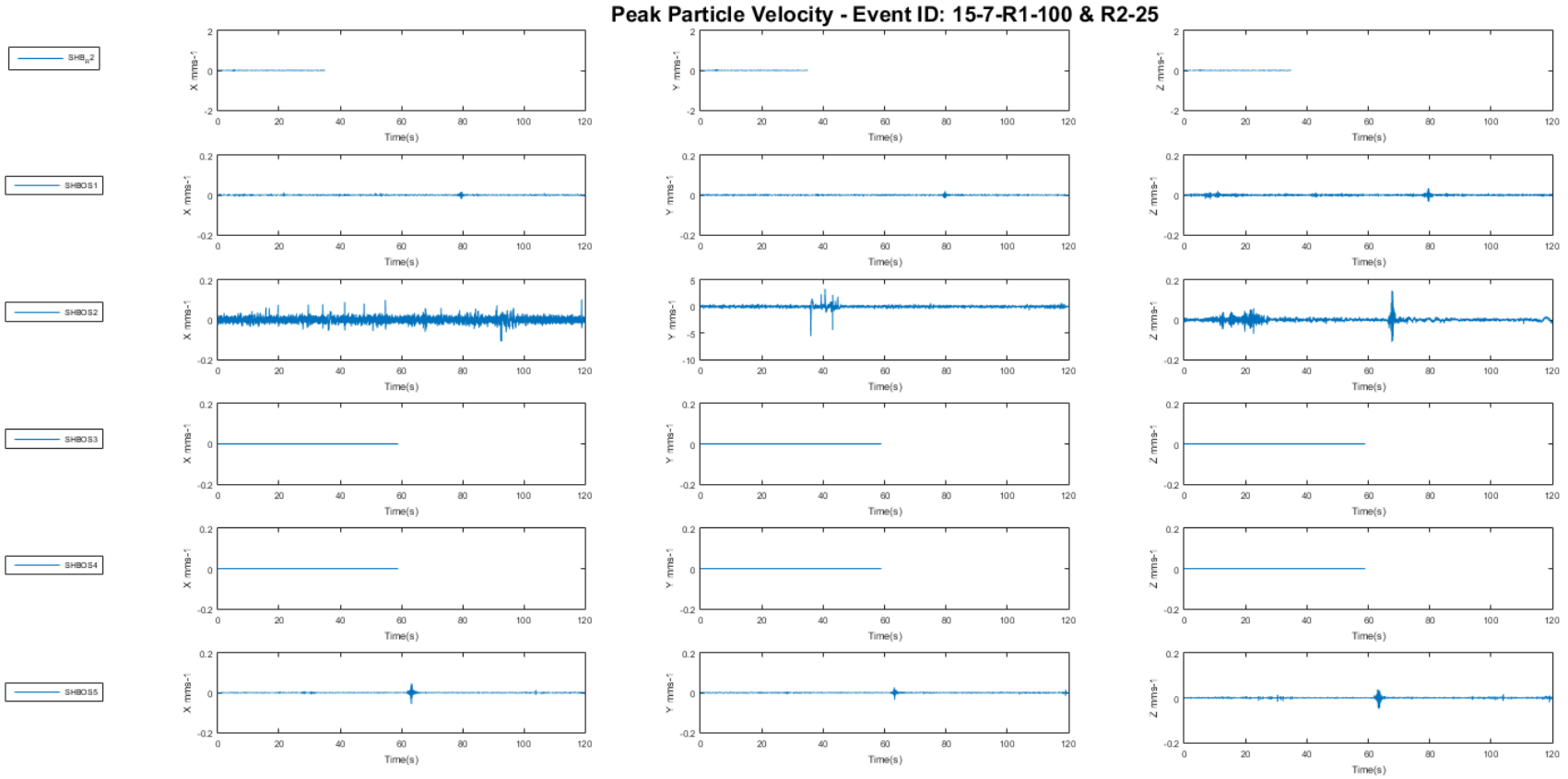


FIGURE 3.4: SHB_OS 1 - 5 15-7-R1-100 & R2-25

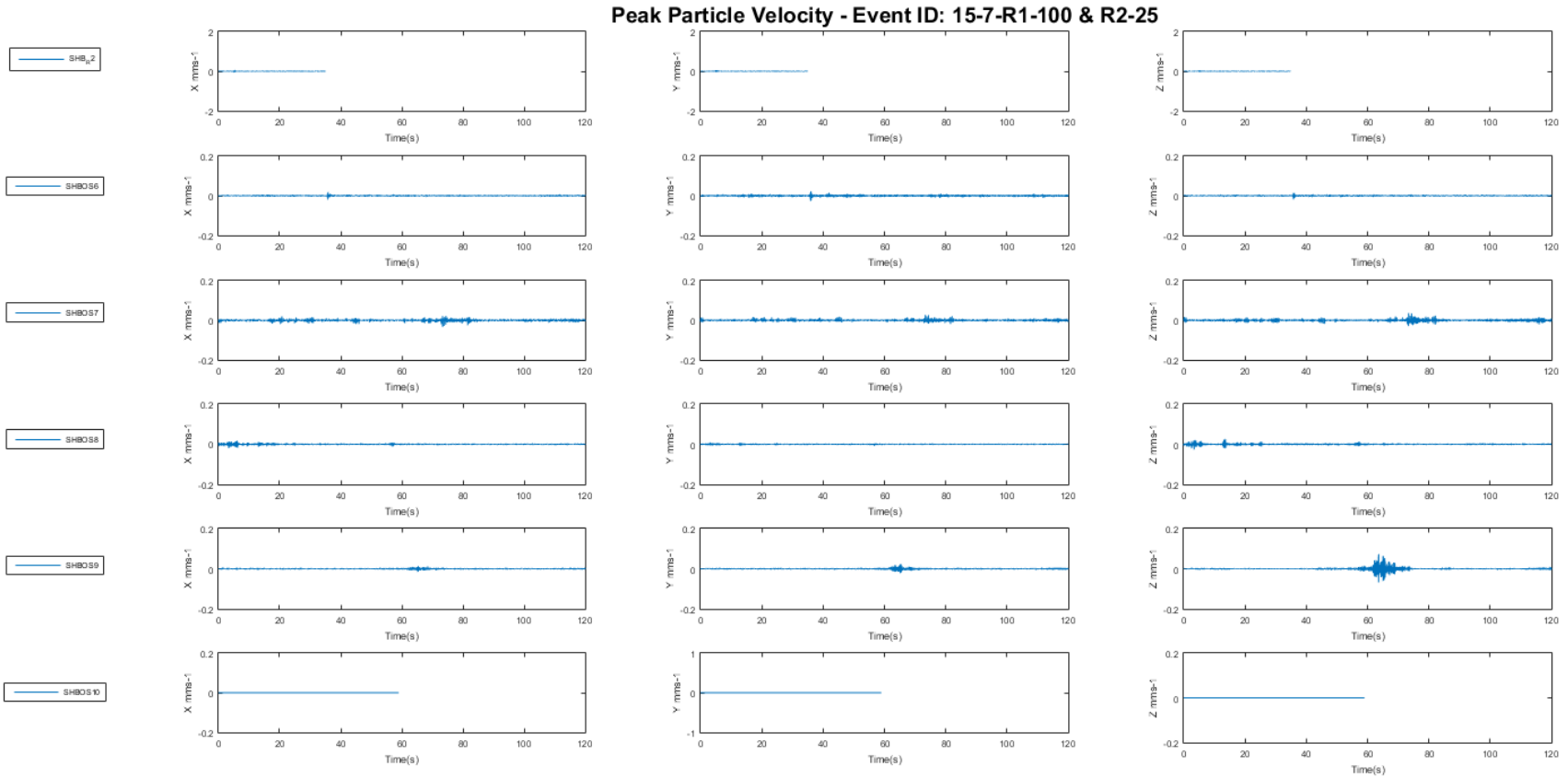


FIGURE 3.5: SHB_OS 6 - 10 15-7-R1-100 & R2-25

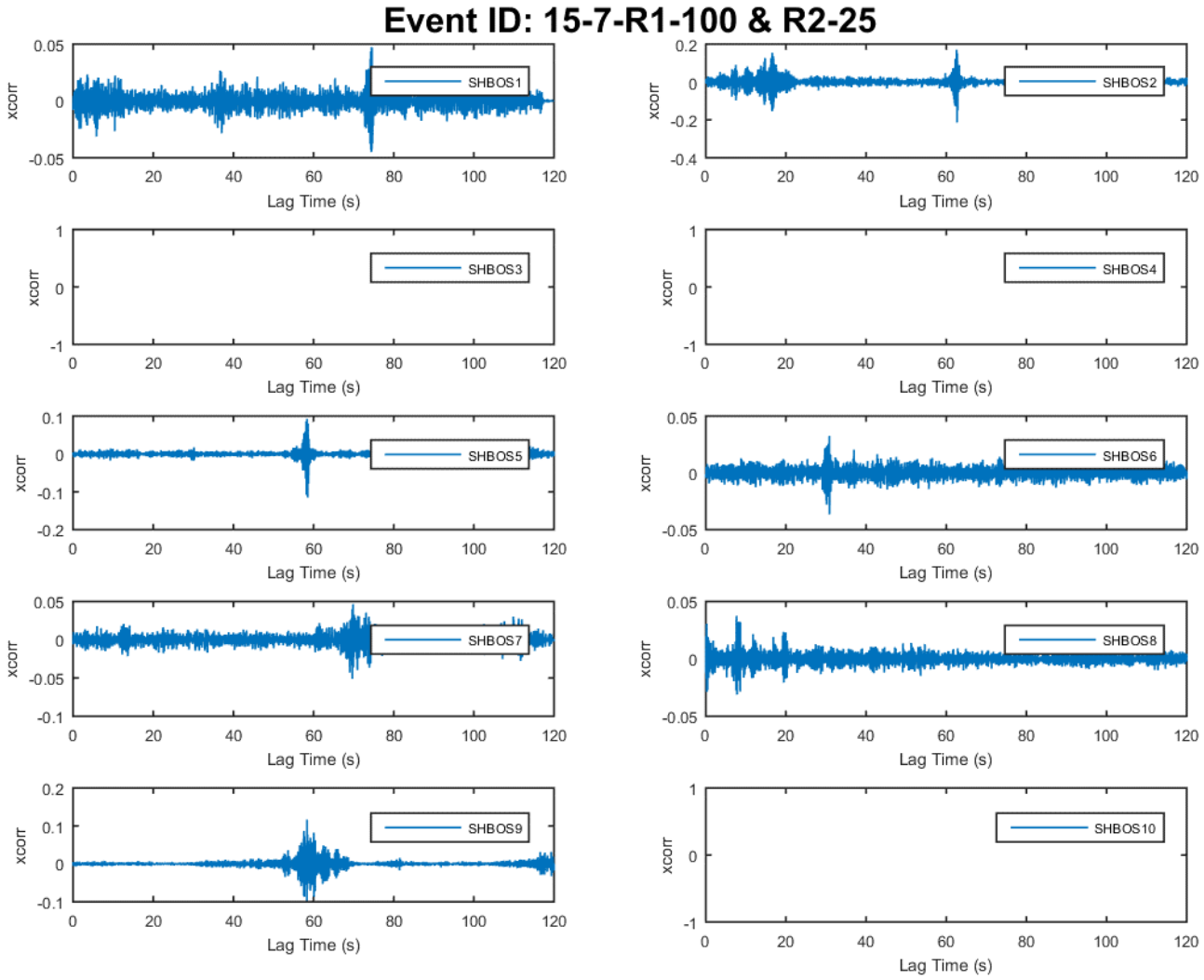


FIGURE 3.6: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-100 & R2-25

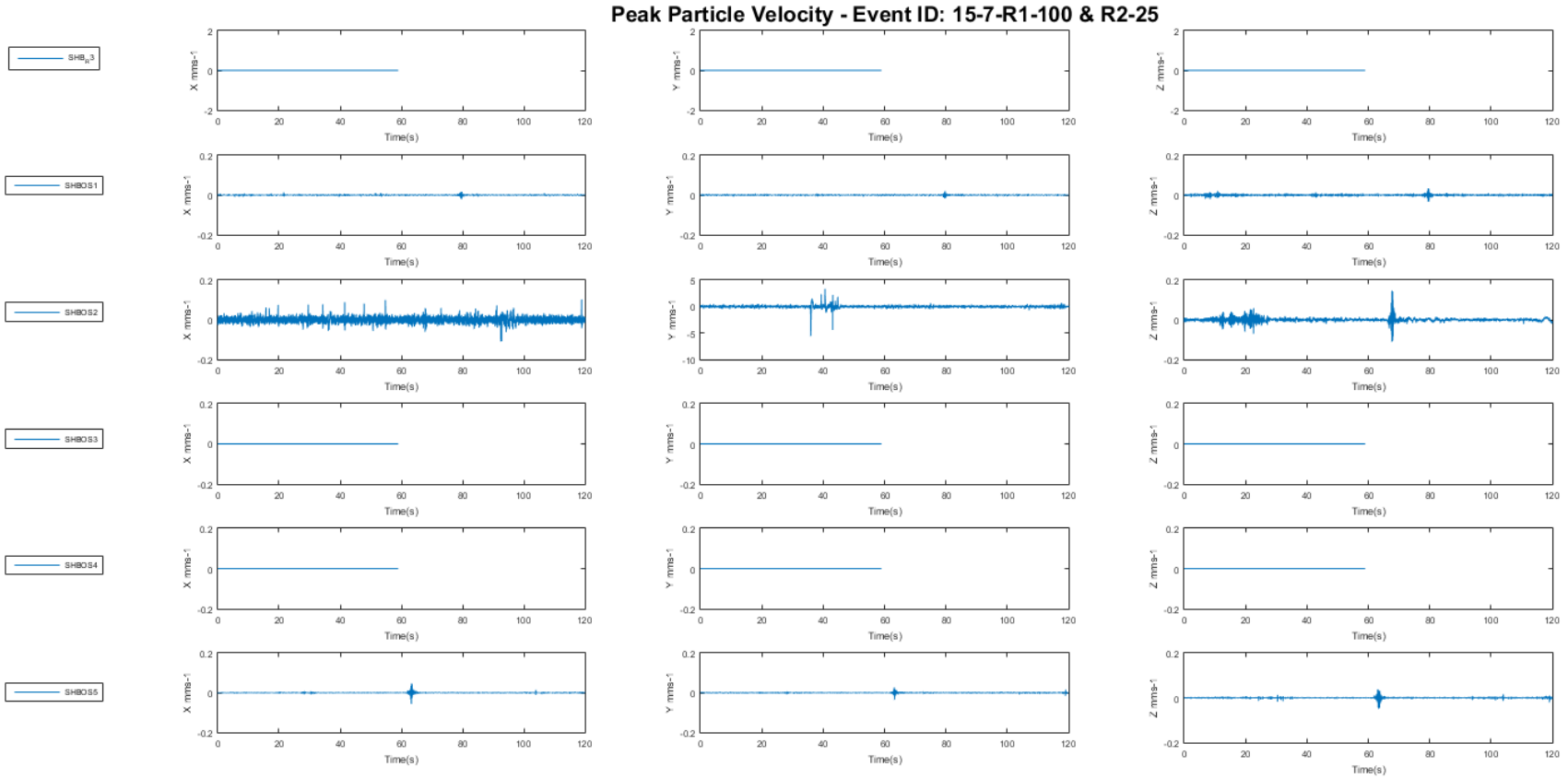


FIGURE 3.7: SHB_OS 1 - 5 15-7-R1-100 & R2-25

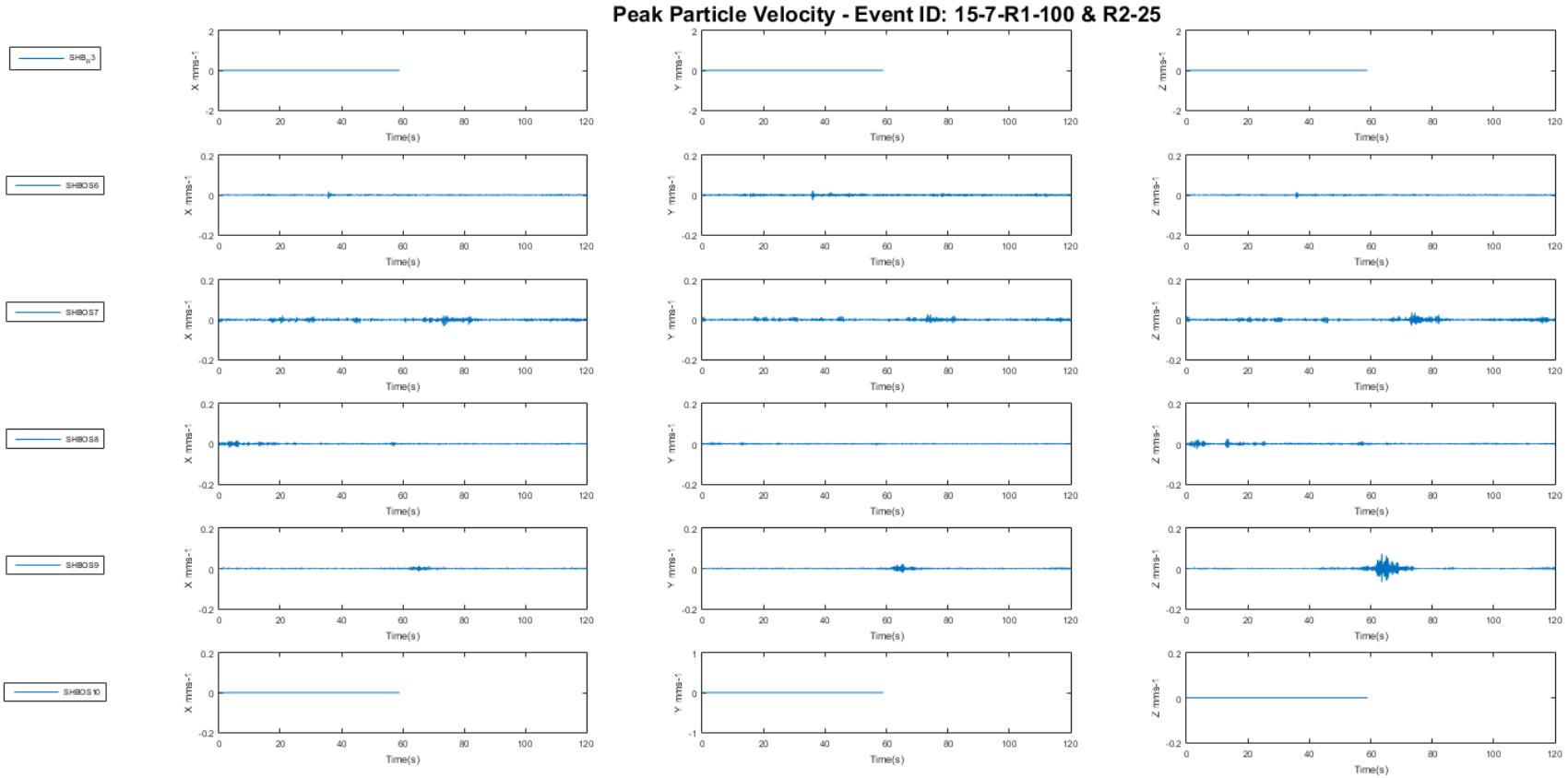


FIGURE 3.8: SHB_OS 6 - 10 15-7-R1-100 & R2-25

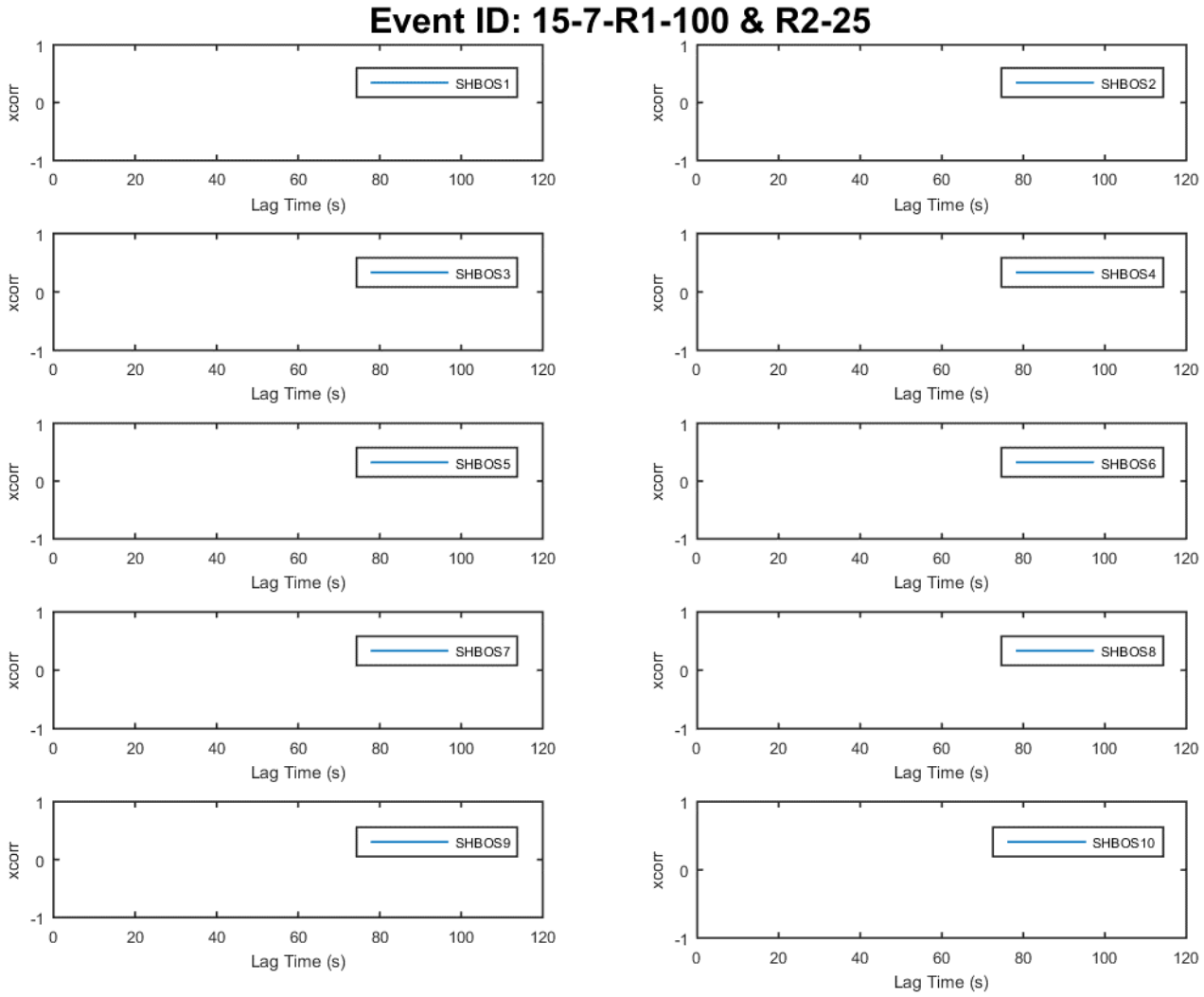


FIGURE 3.9: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-100 & R2-25

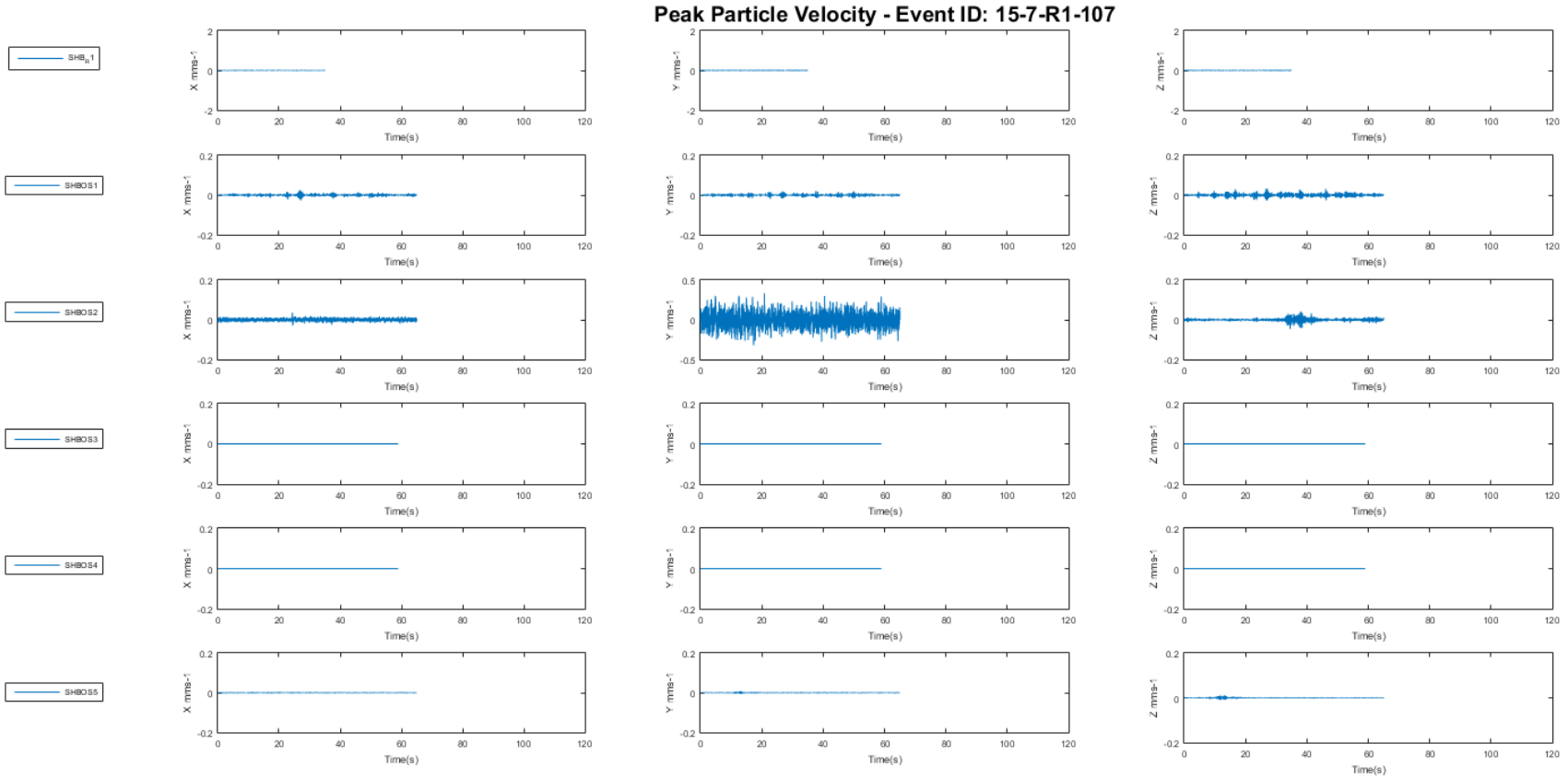


FIGURE 3.10: SHB_OS 1 - 5 15-7-R1-107

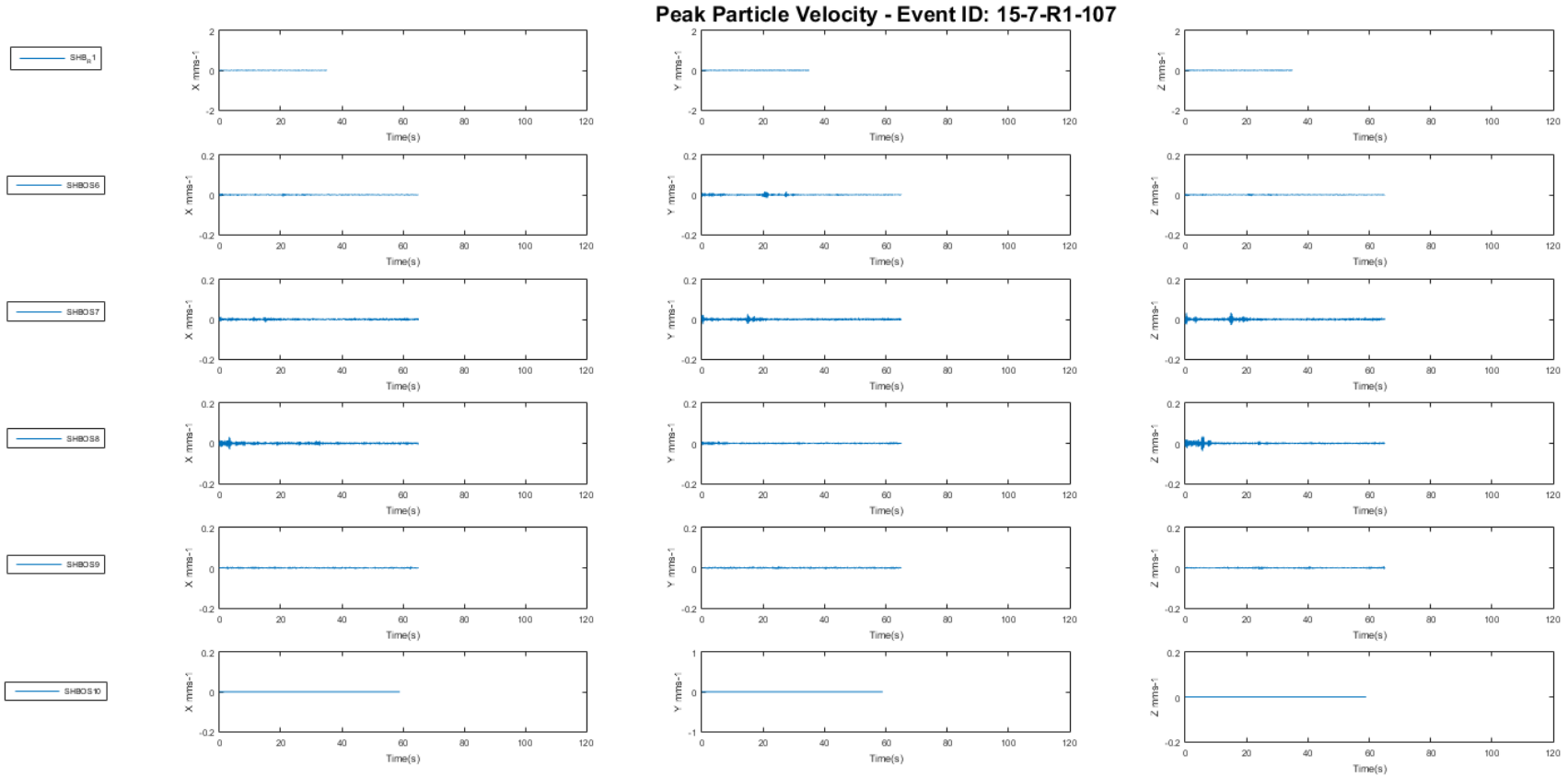


FIGURE 3.11: SHB_OS 6 - 10 15-7-R1-107

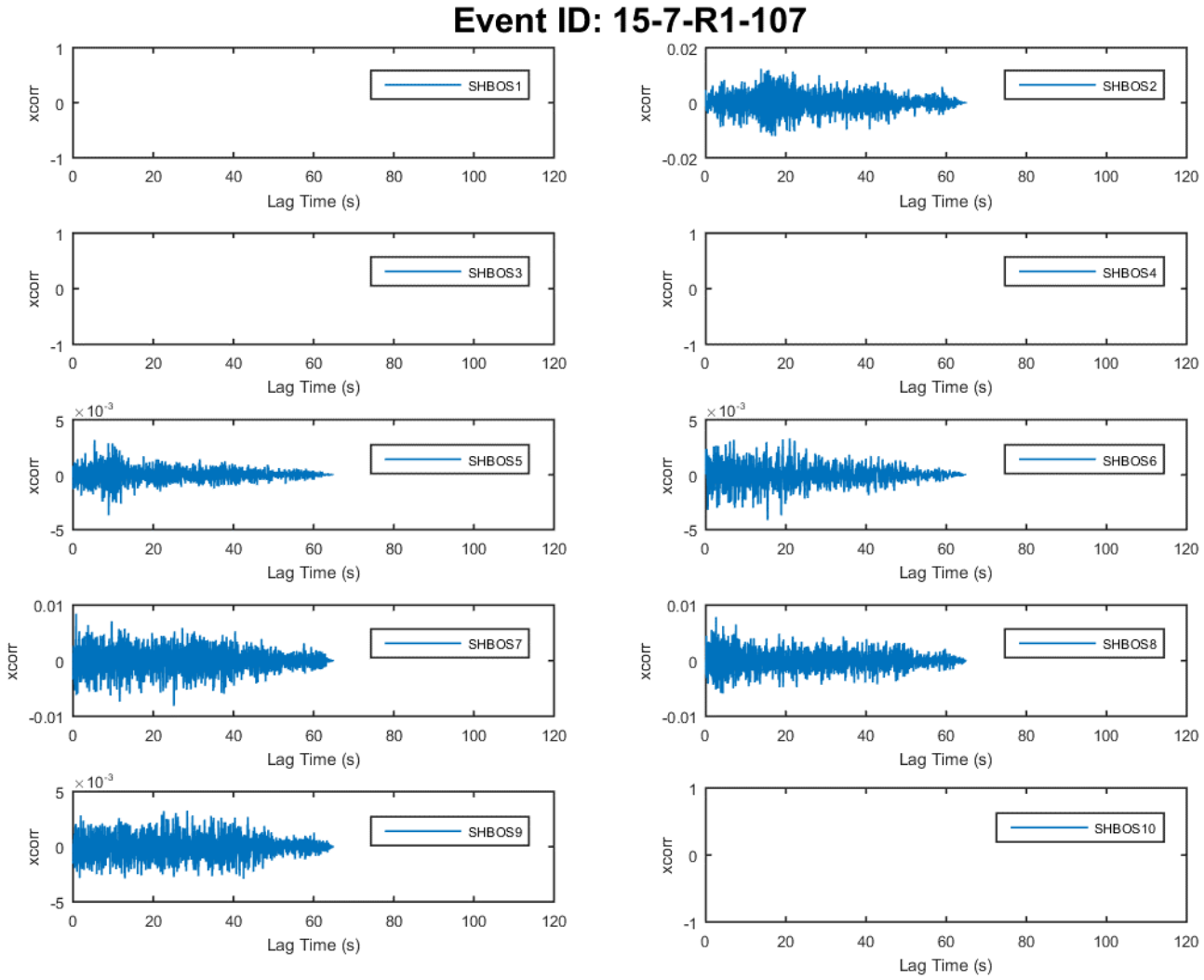


FIGURE 3.12: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-107

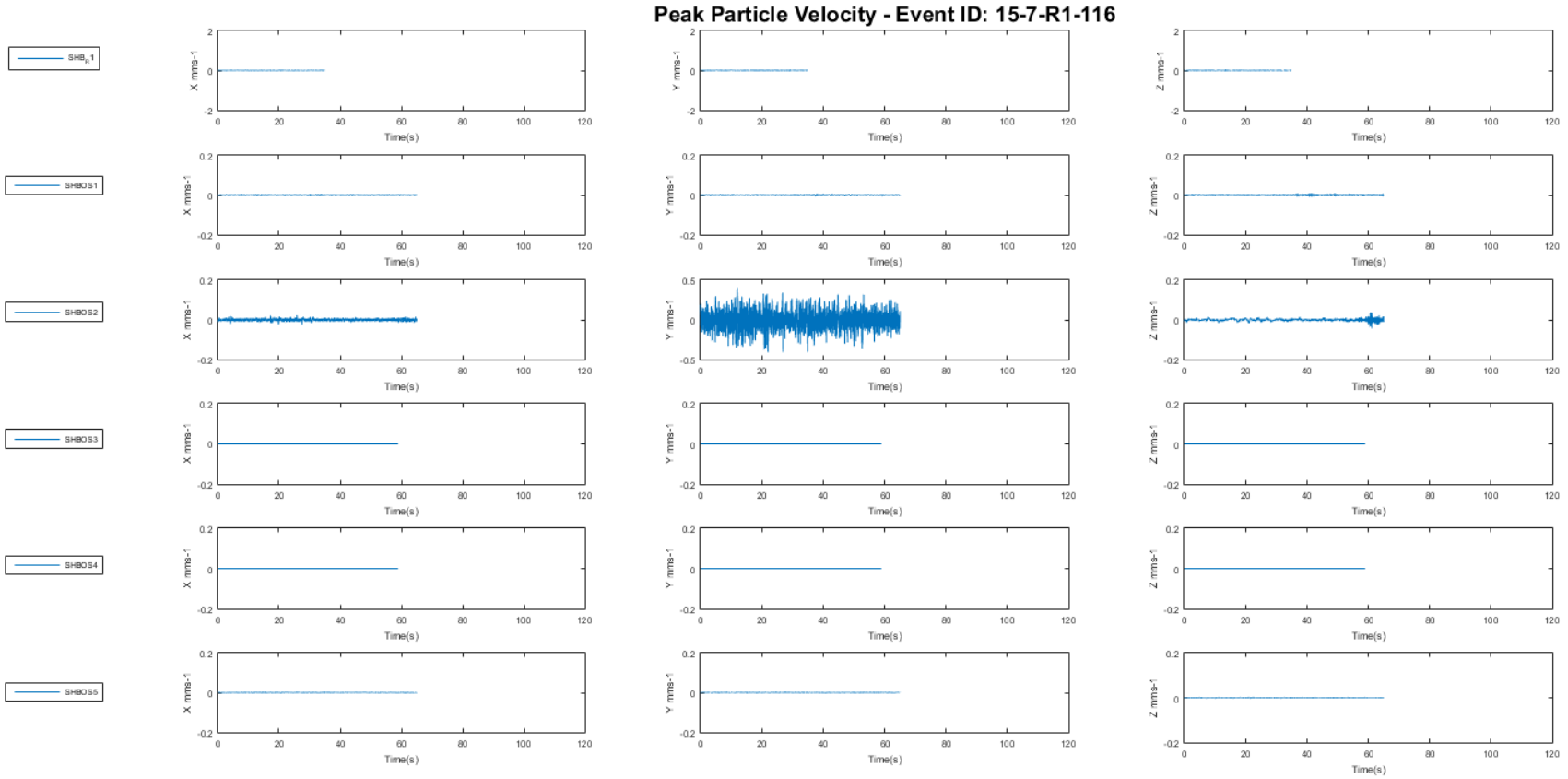


FIGURE 3.13: SHB_OS 1 - 5 15-7-R1-116

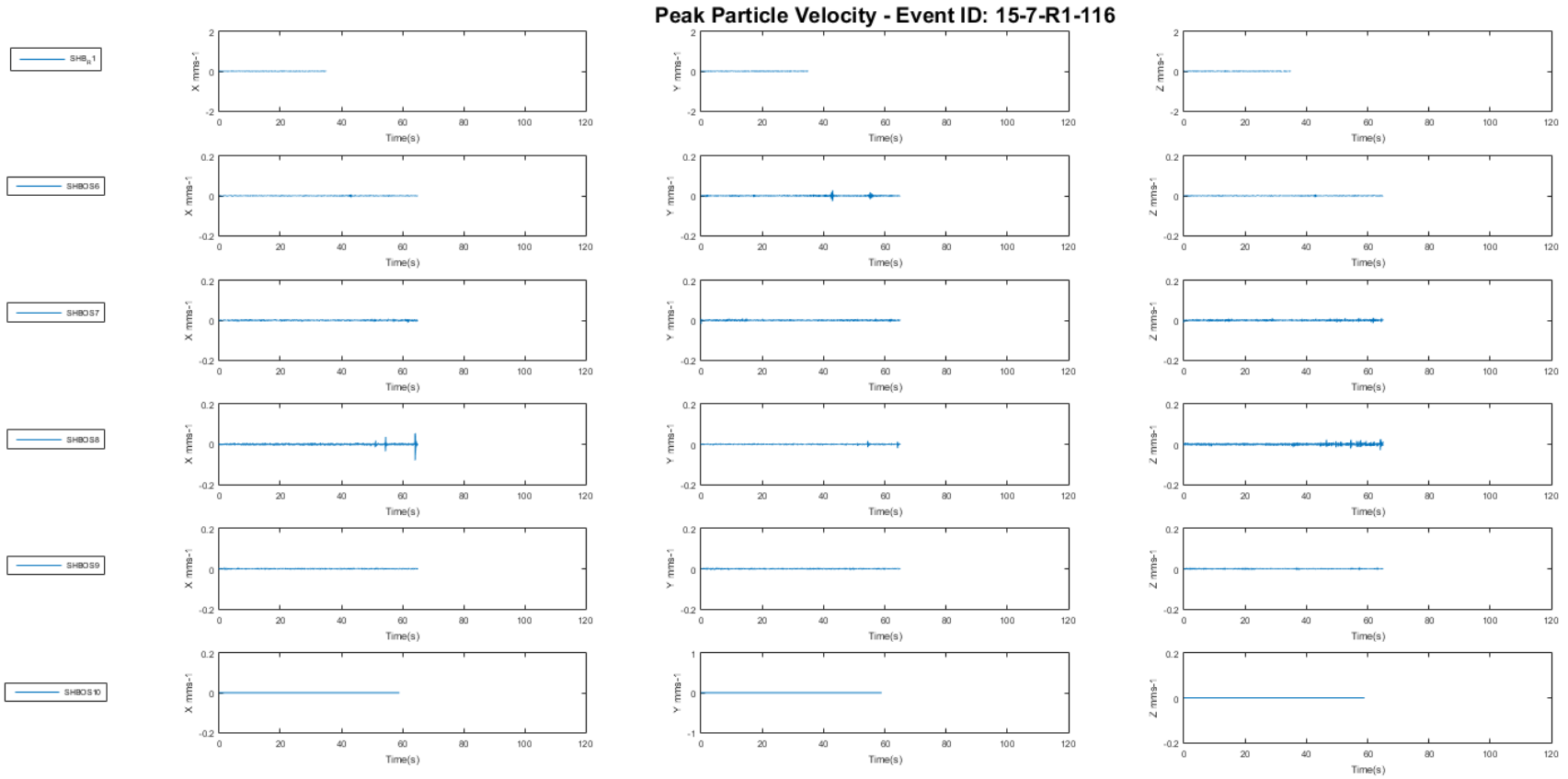


FIGURE 3.14: SHB_OS 6 - 10 15-7-R1-116

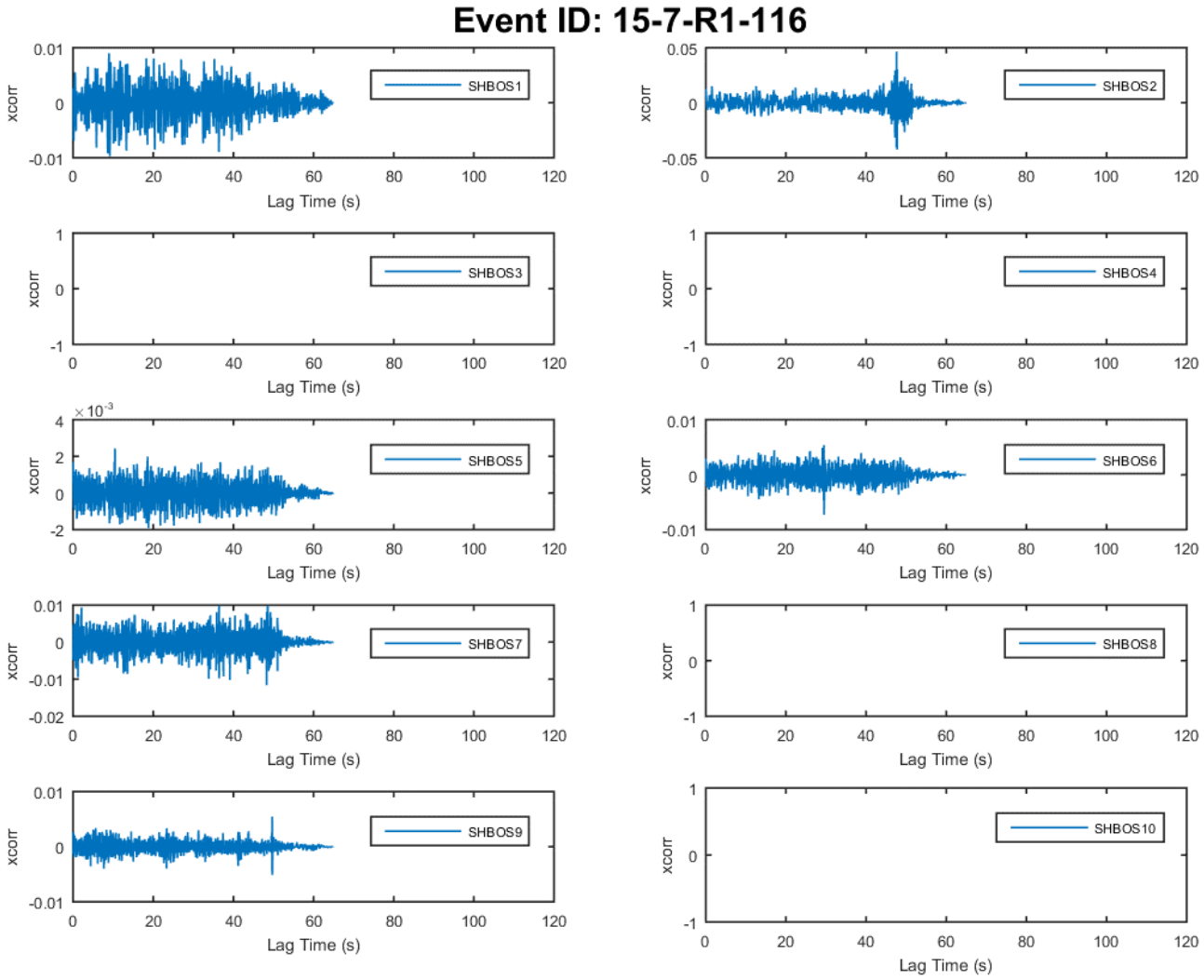


FIGURE 3.15: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-116

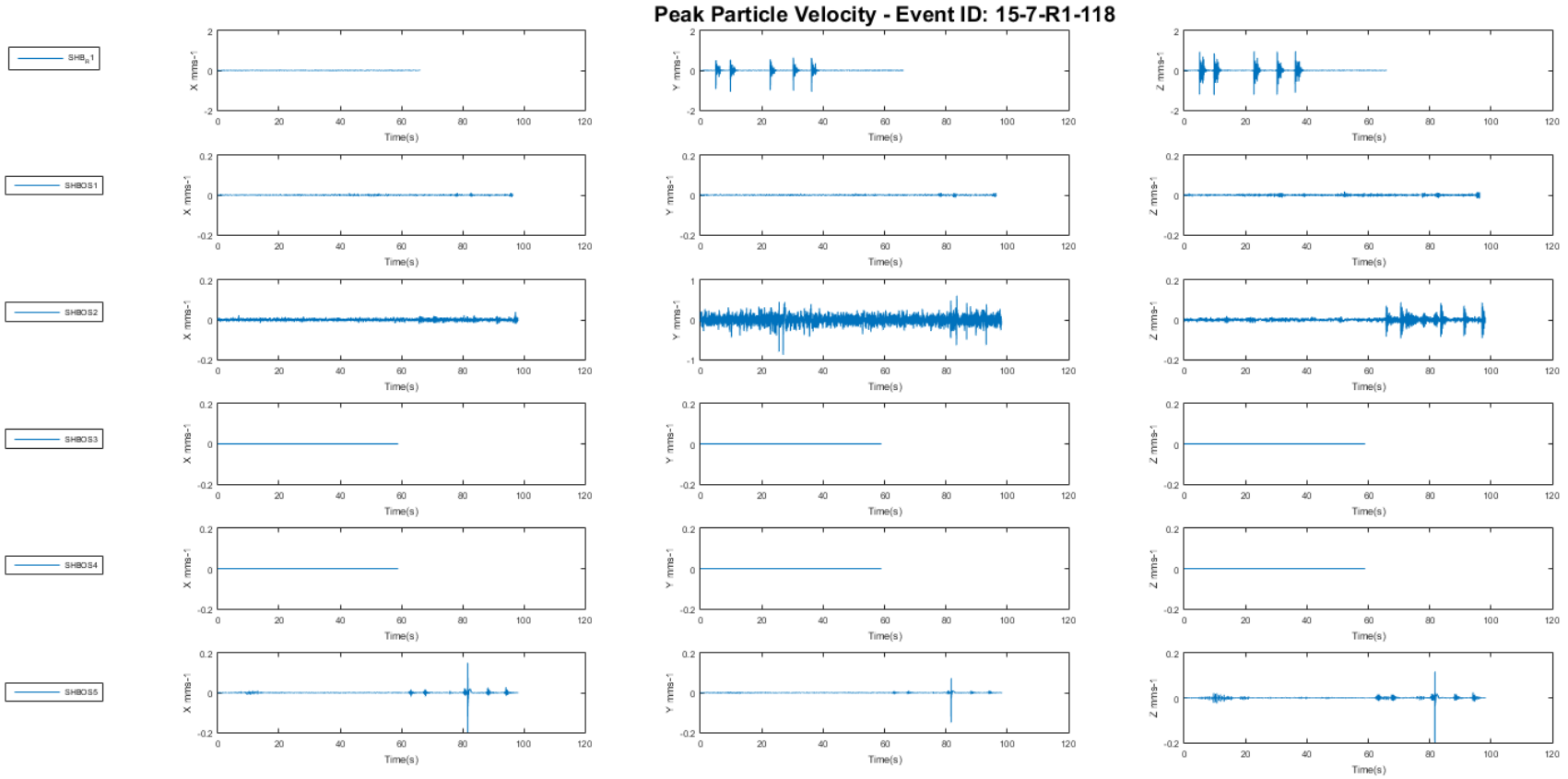


FIGURE 3.16: SHB_OS 1 - 5 15-7-R1-118

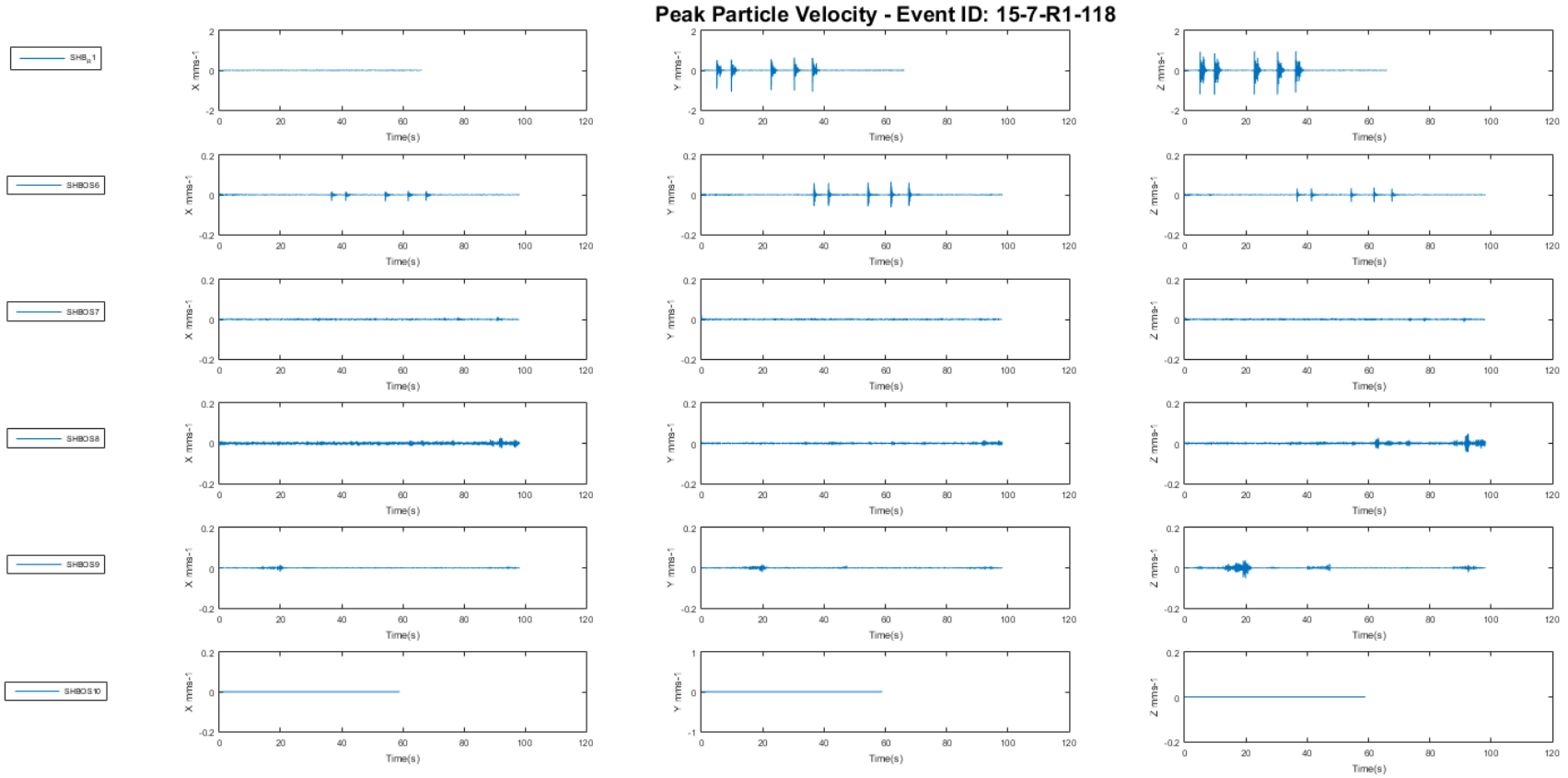


FIGURE 3.17: SHB_OS 6 - 10 15-7-R1-118

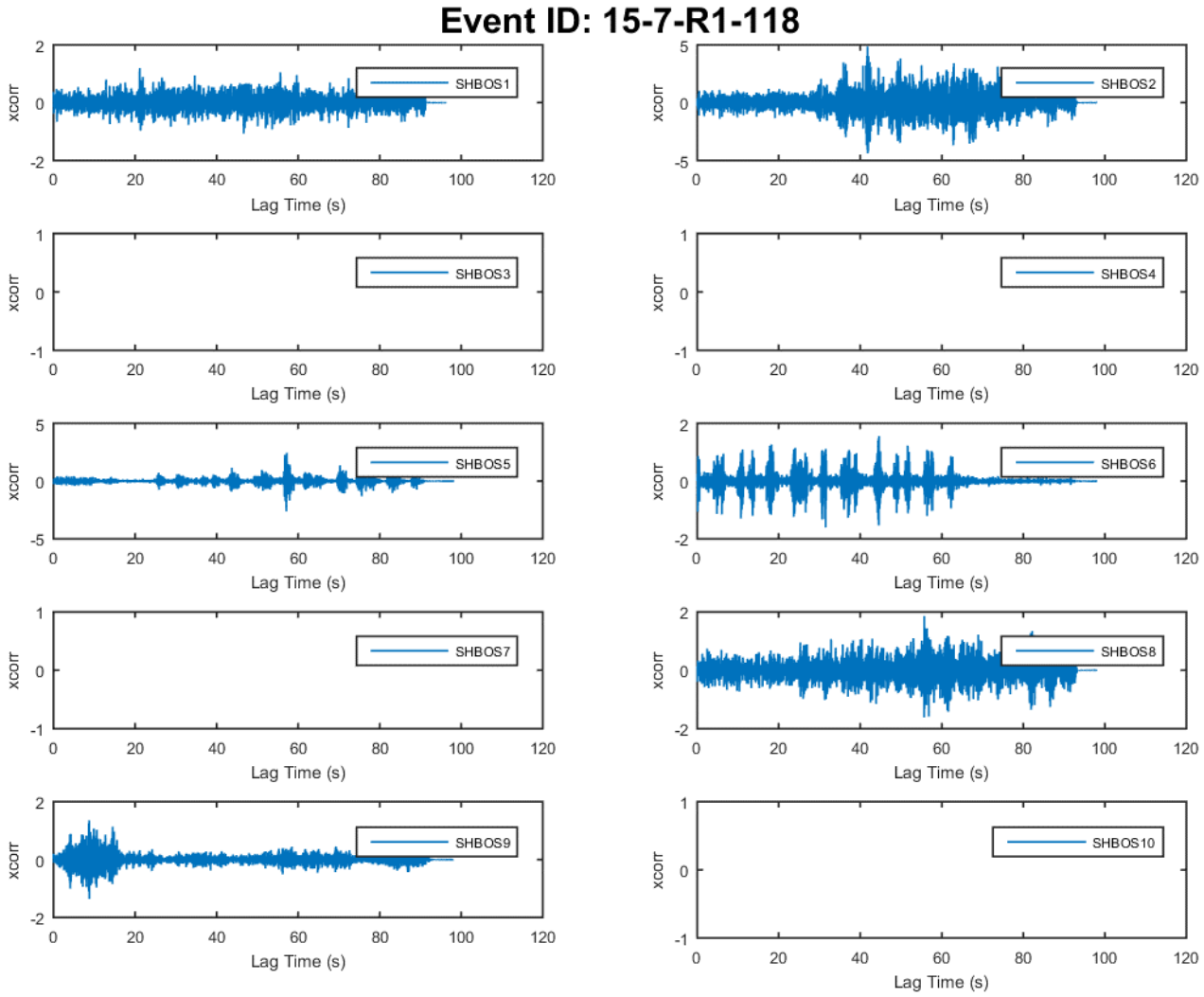


FIGURE 3.18: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-118

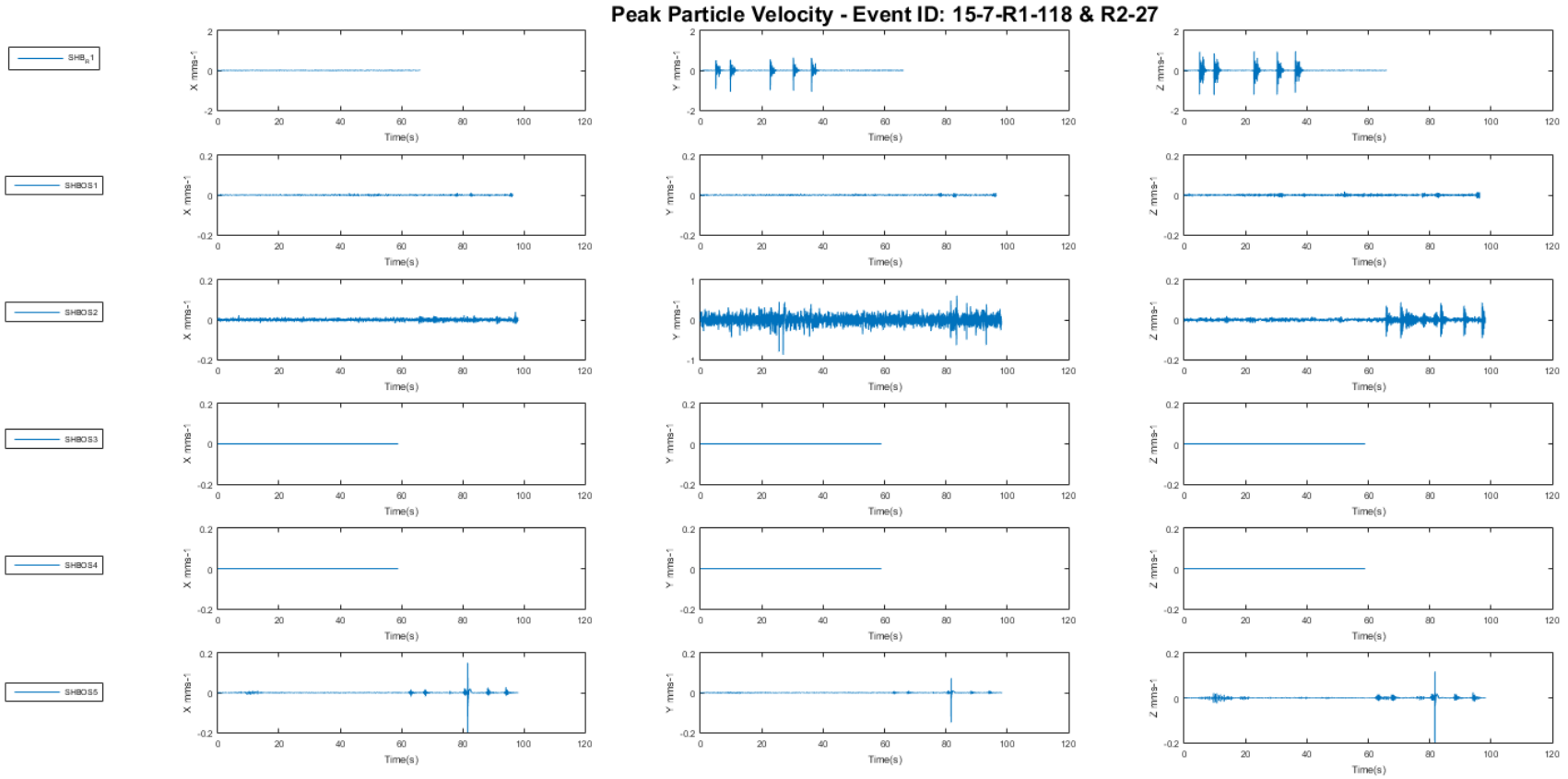


FIGURE 3.19: SHB_OS 1 - 5 15-7-R1-118 & R2-27

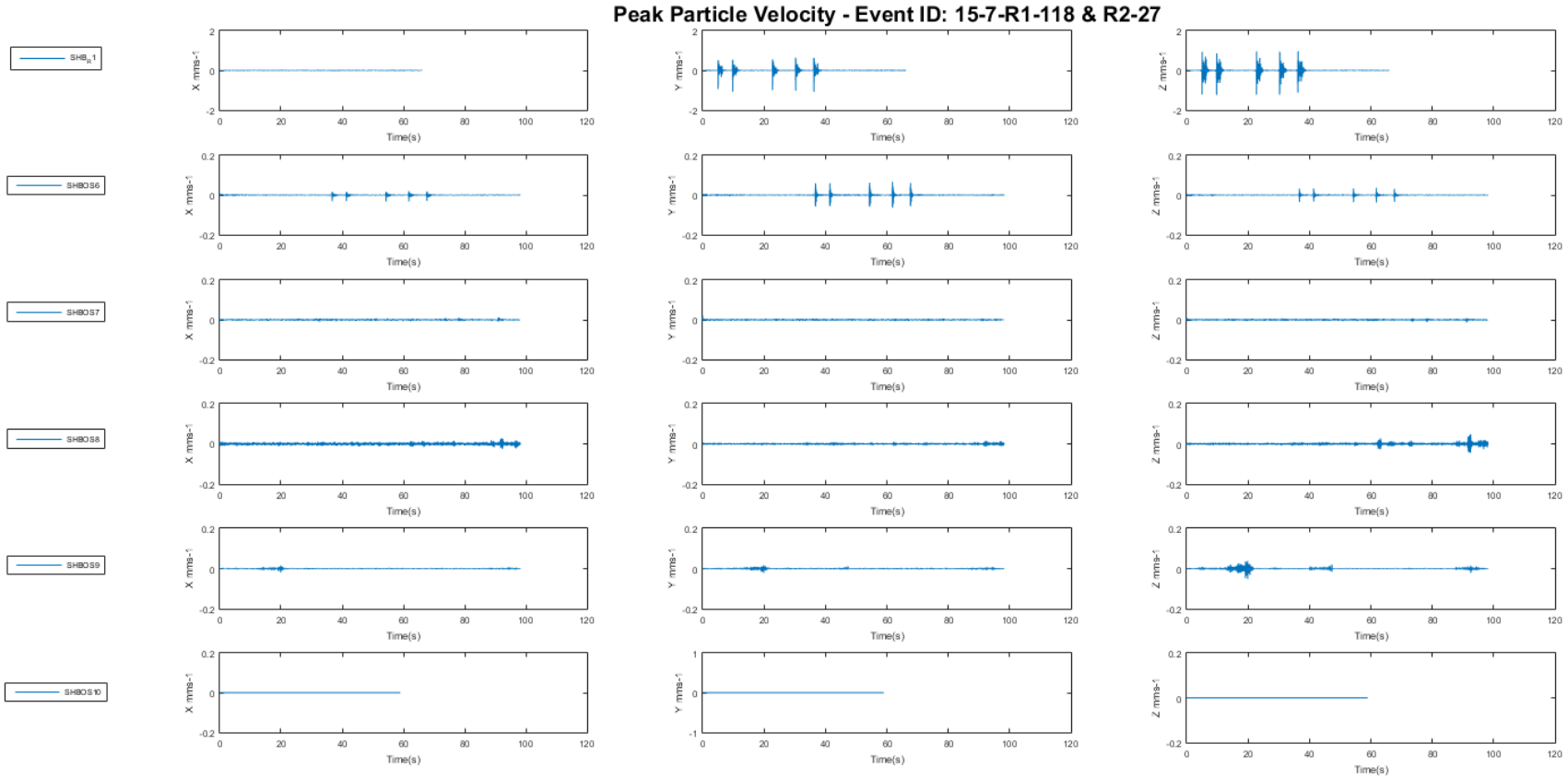


FIGURE 3.20: SHB_OS 6 - 10 15-7-R1-118 & R2-27

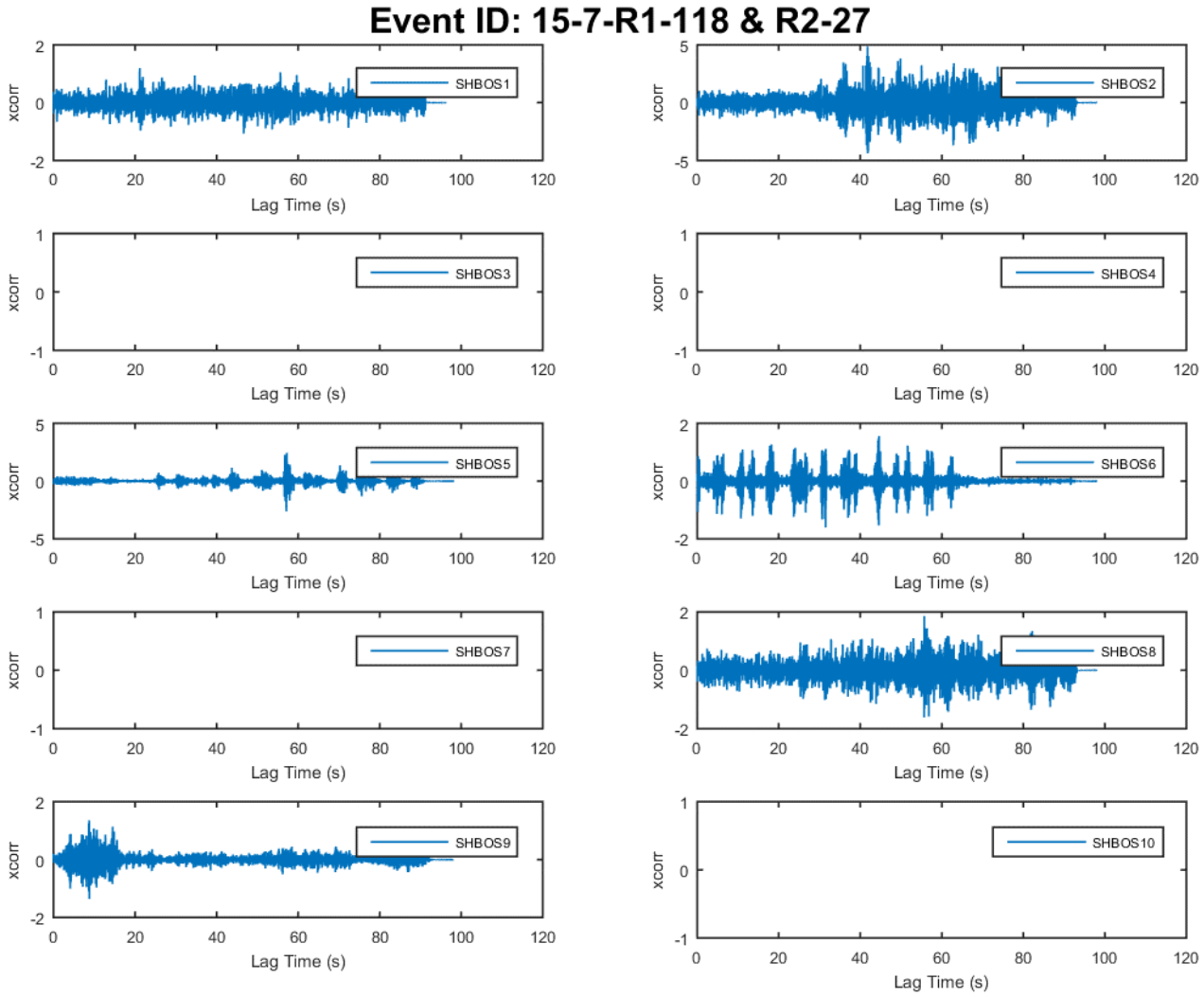


FIGURE 3.21: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-118 & R2-27

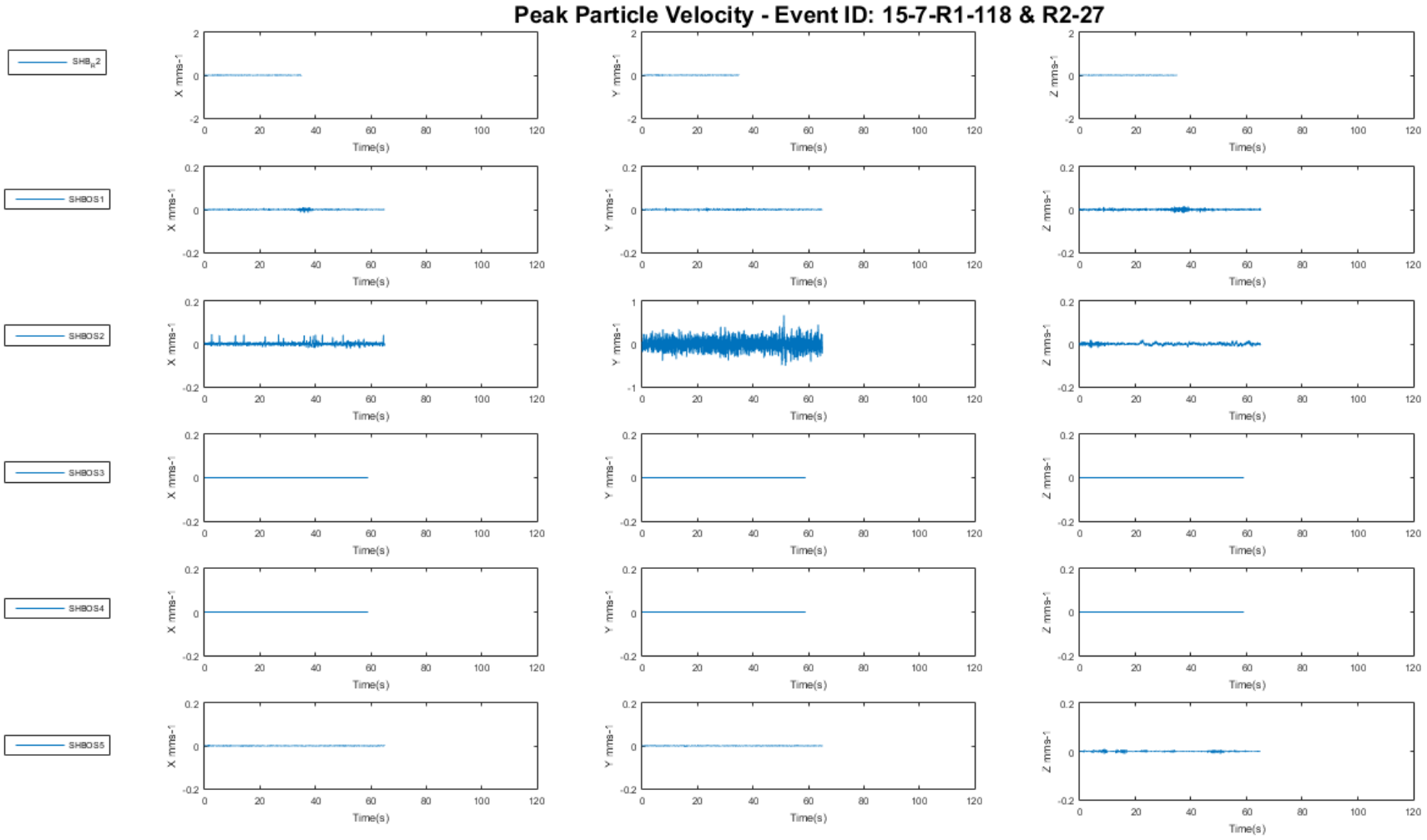


FIGURE 3.22: SHB_OS 1 - 5 15-7-R1-118 & R2-27

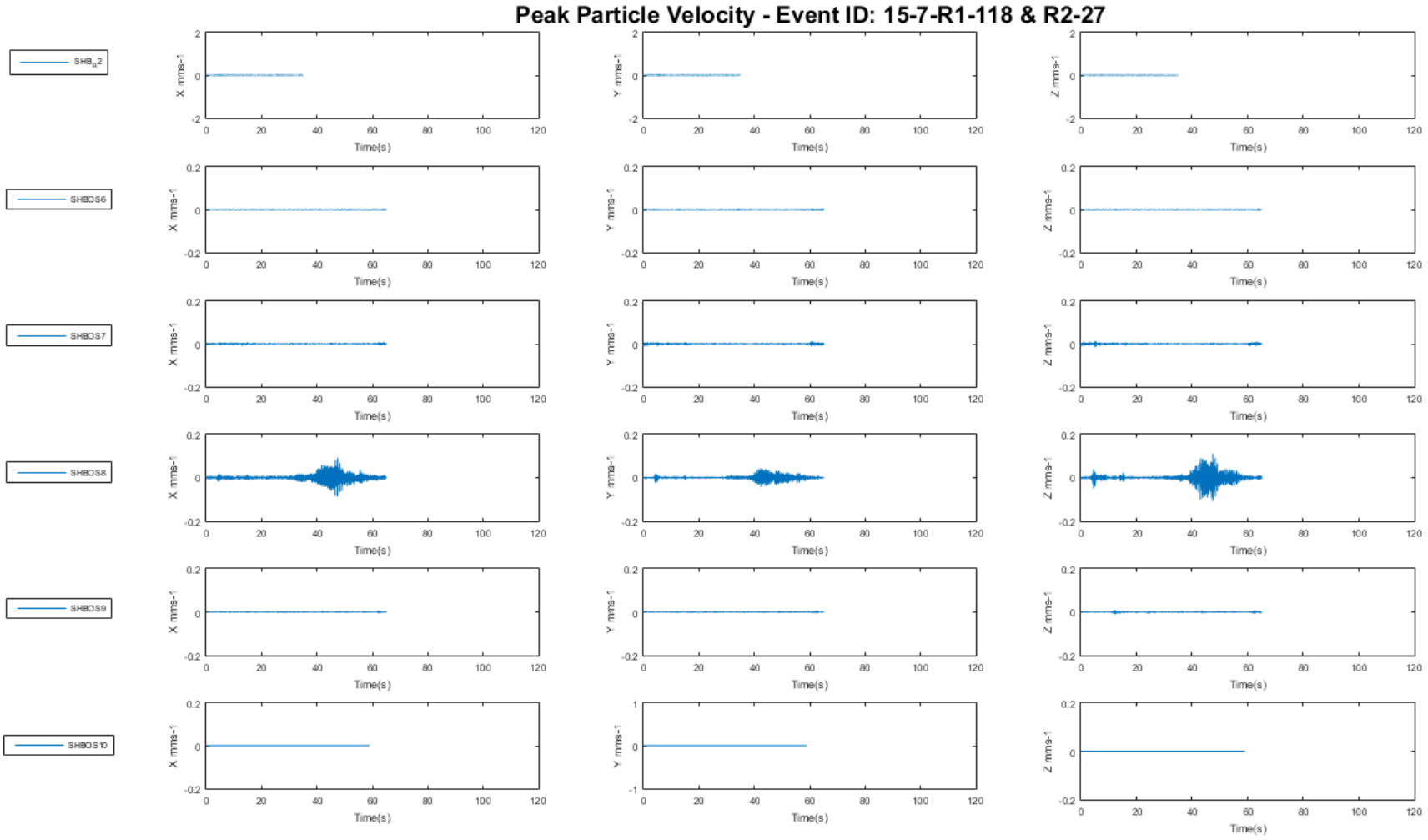


FIGURE 3.23: SHB_OS 6 - 10 15-7-R1-118 & R2-27

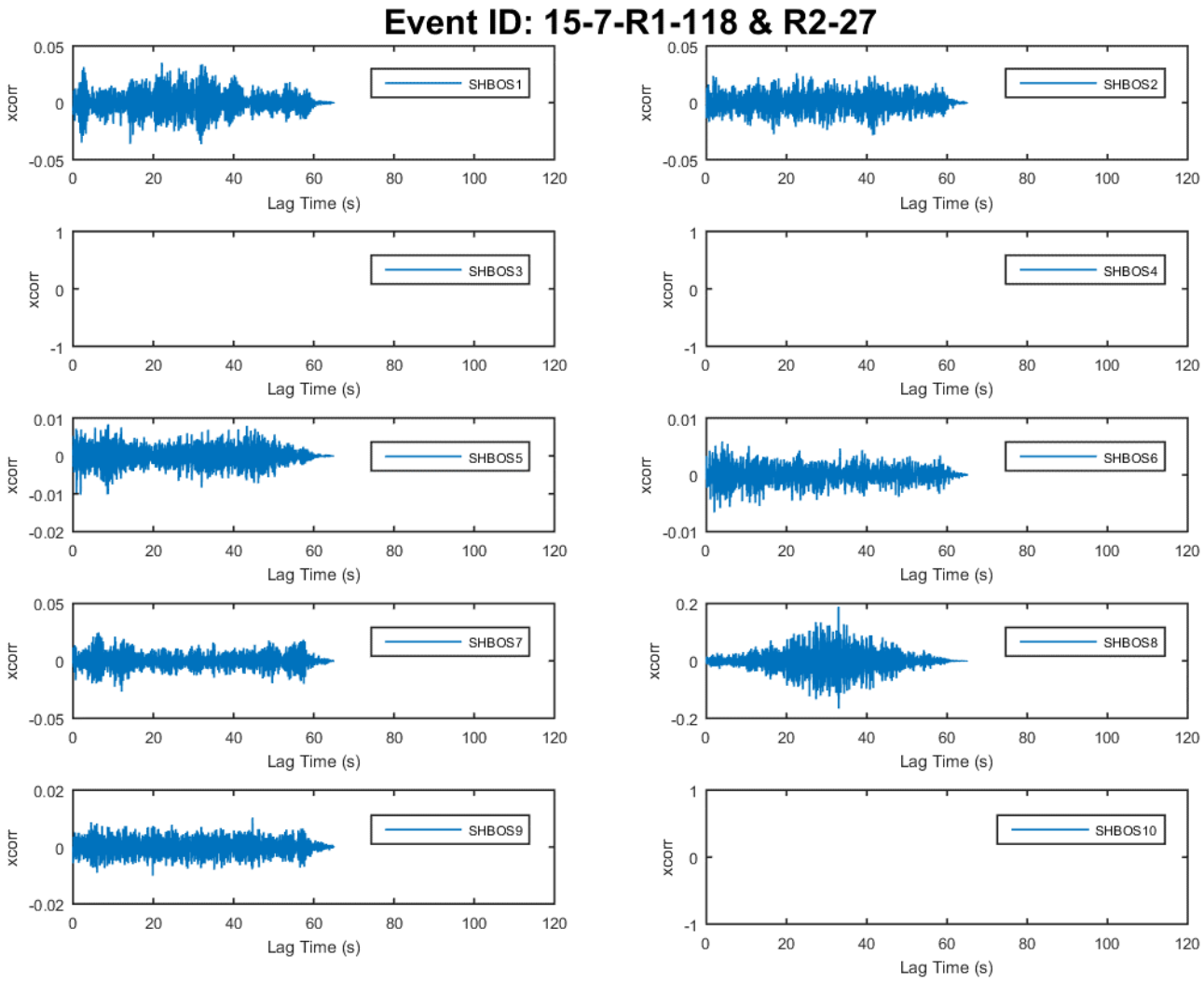


FIGURE 3.24: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-118 & R2-27

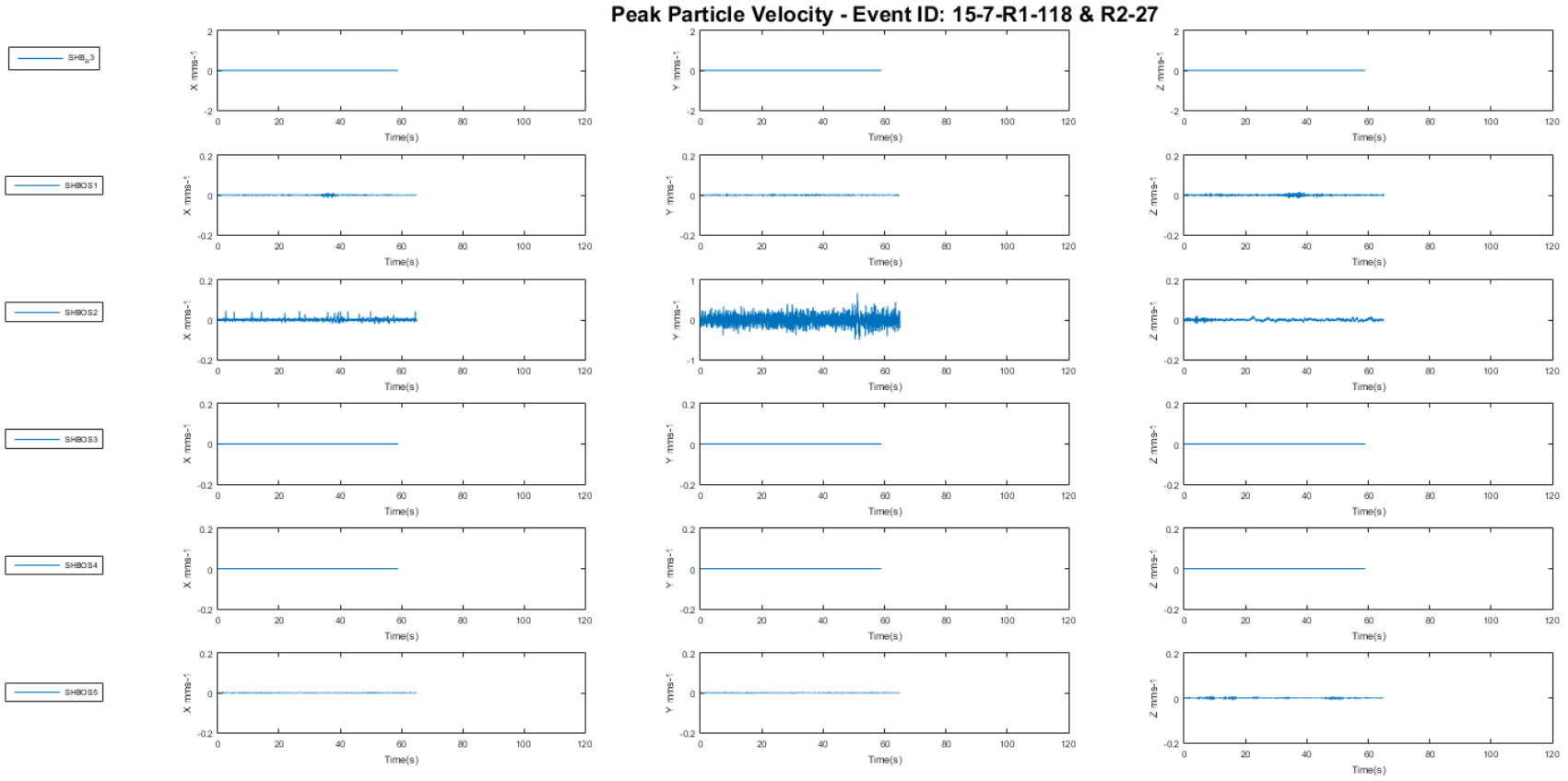


FIGURE 3.25: SHB_OS 1 - 5 15-7-R1-118 & R2-27

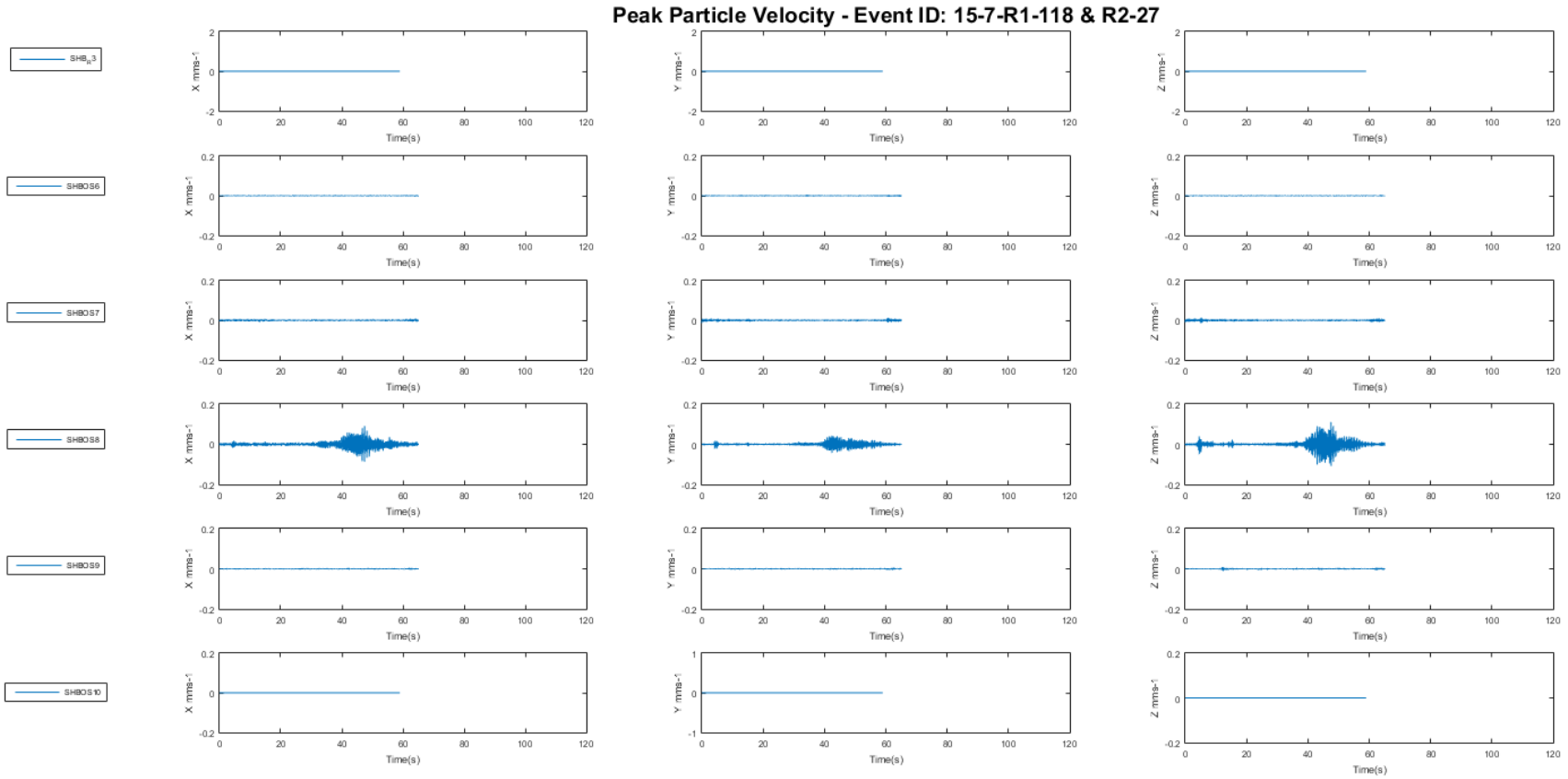


FIGURE 3.26: SHB_OS 6 - 10 15-7-R1-118 & R2-27

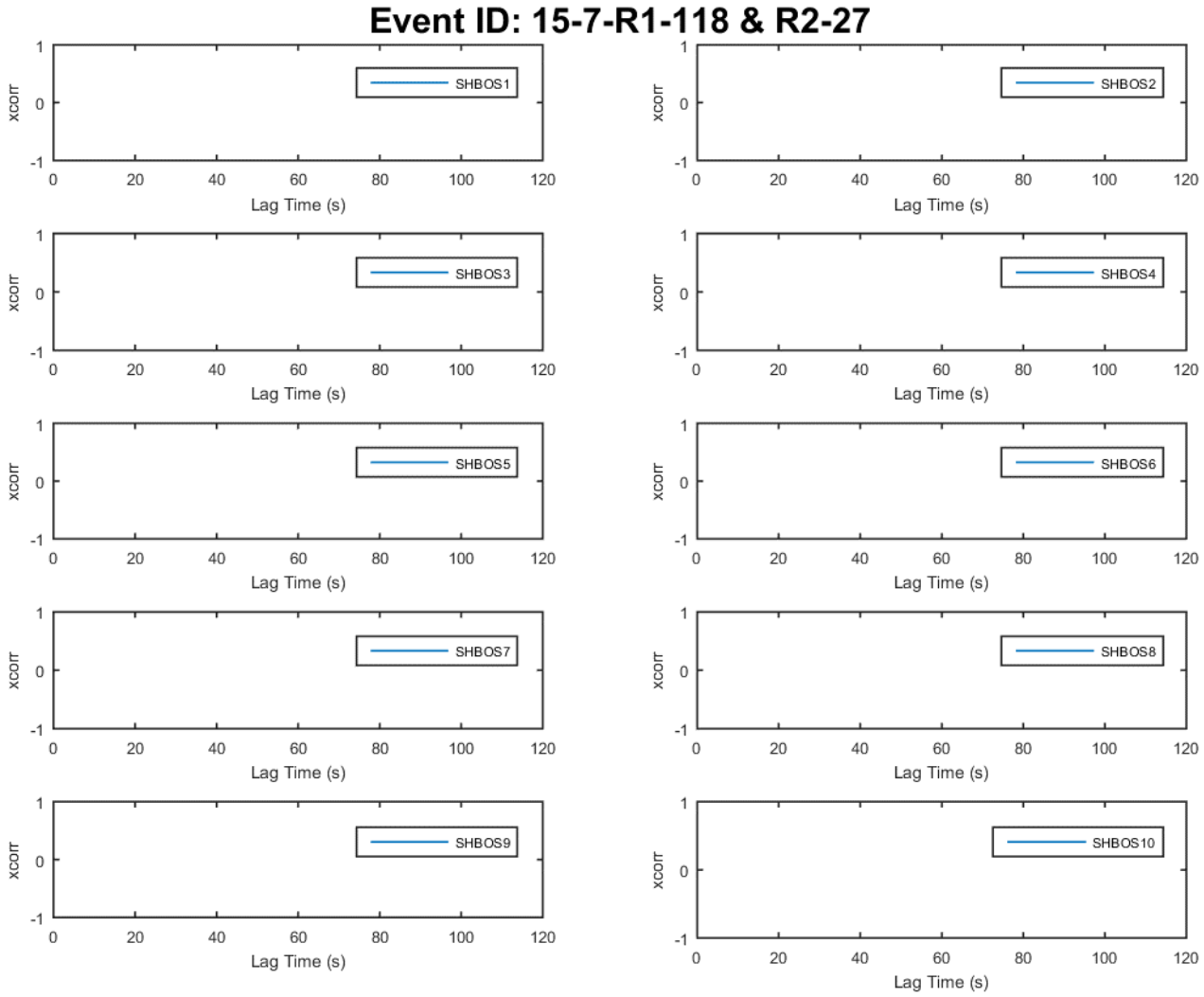


FIGURE 3.27: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-118 & R2-27

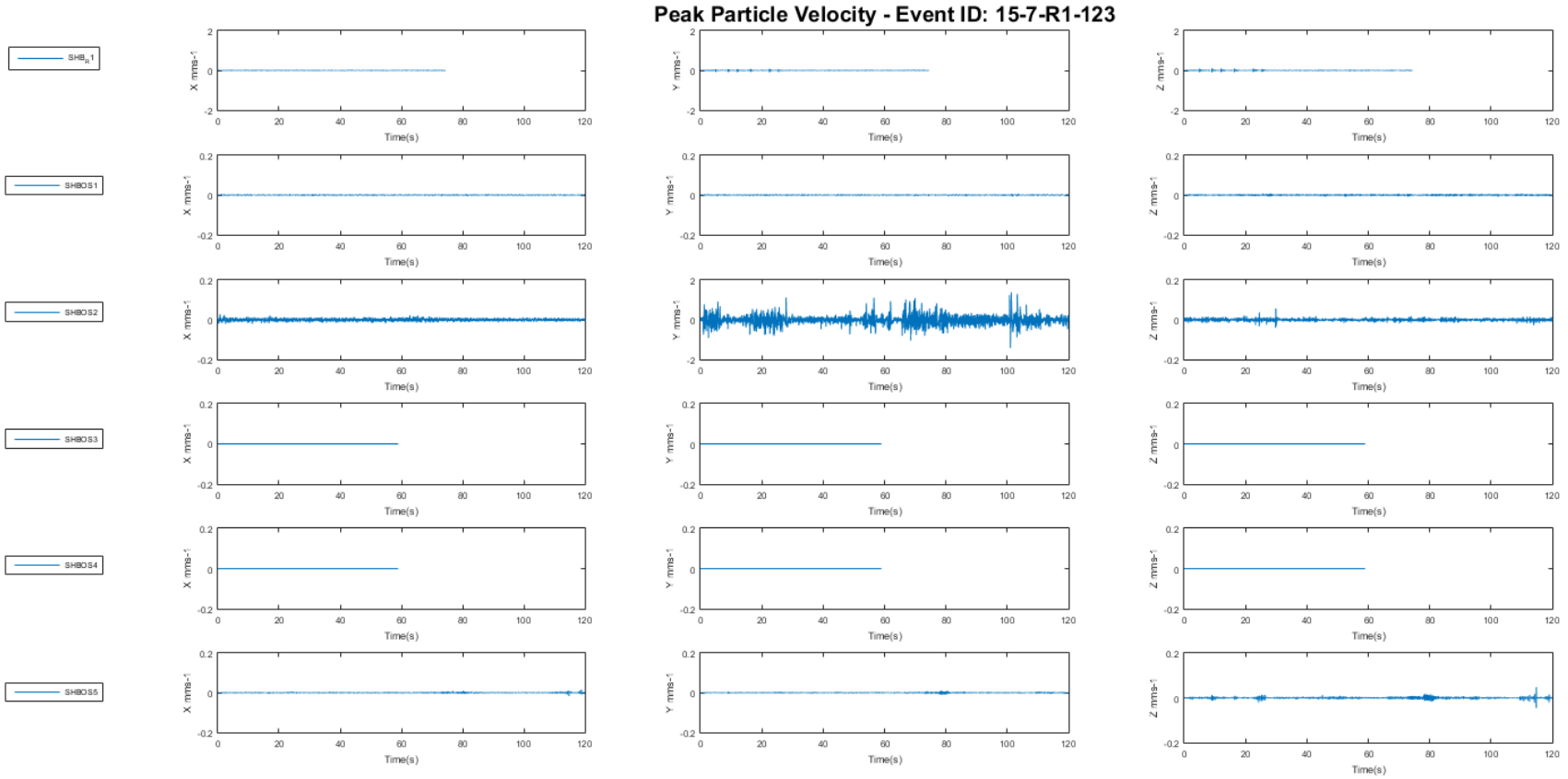


FIGURE 3.28: SHB_OS 1 - 5 15-7-R1-123

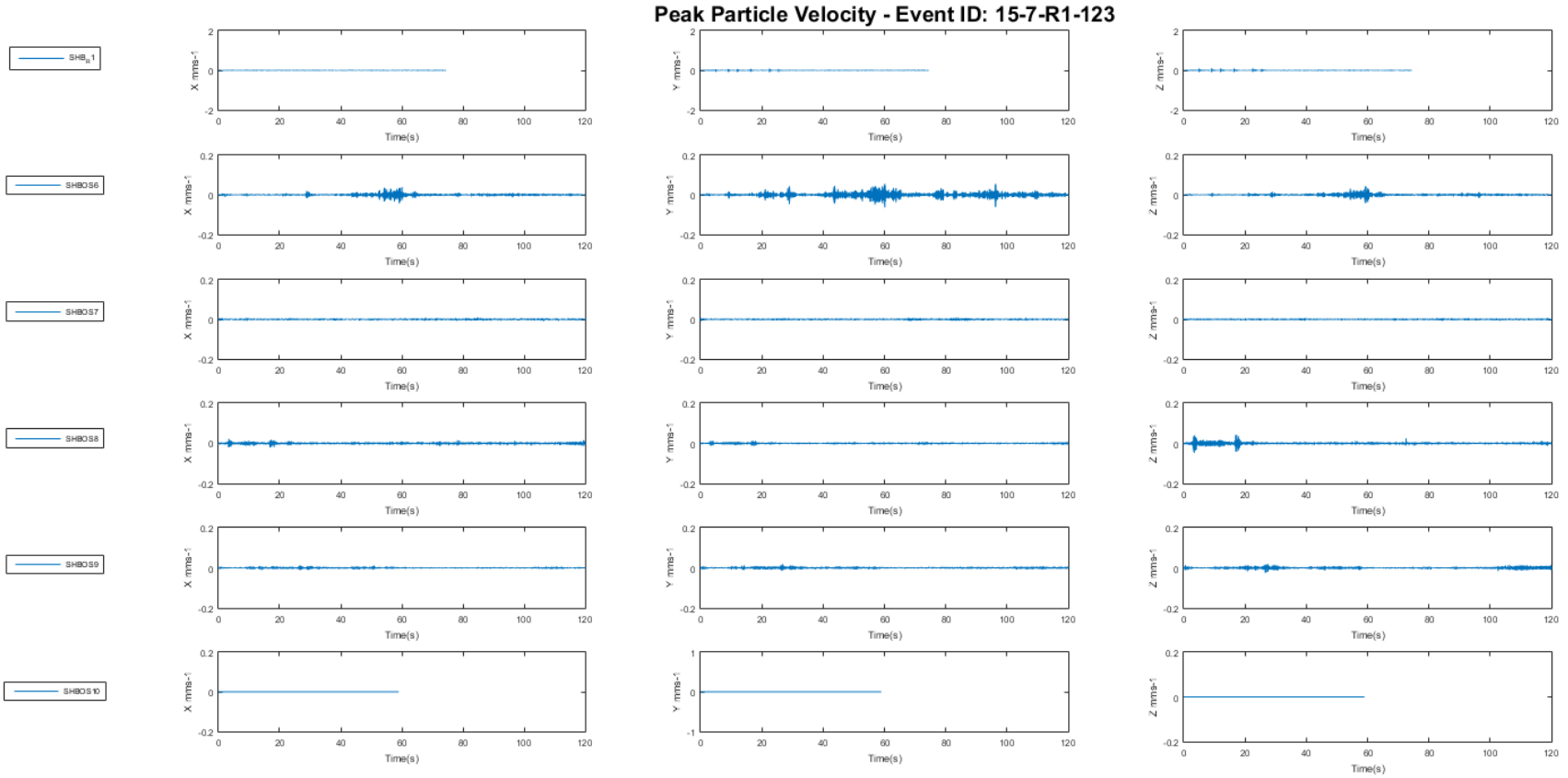


FIGURE 3.29: SHB_OS 6 - 10 15-7-R1-123

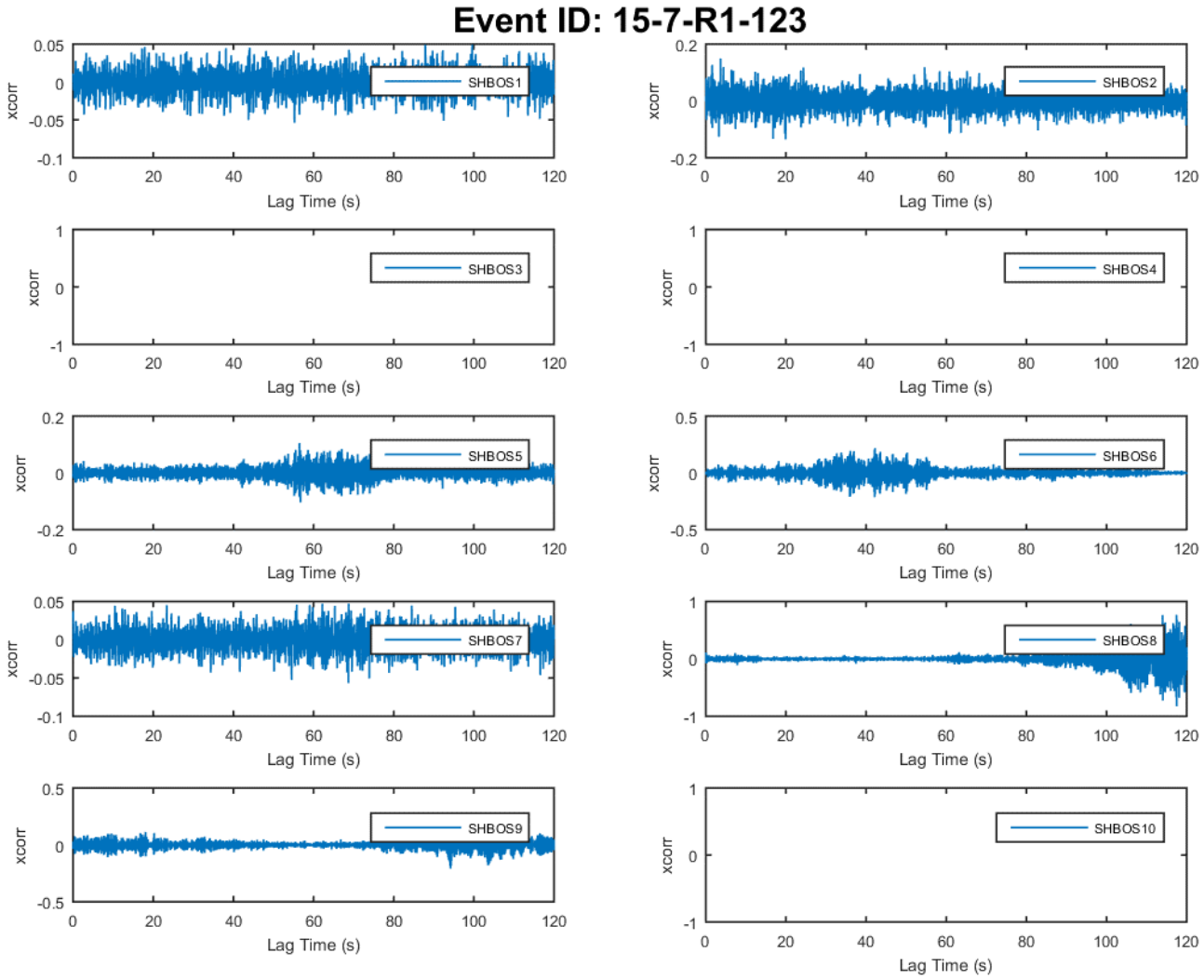


FIGURE 3.30: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-123

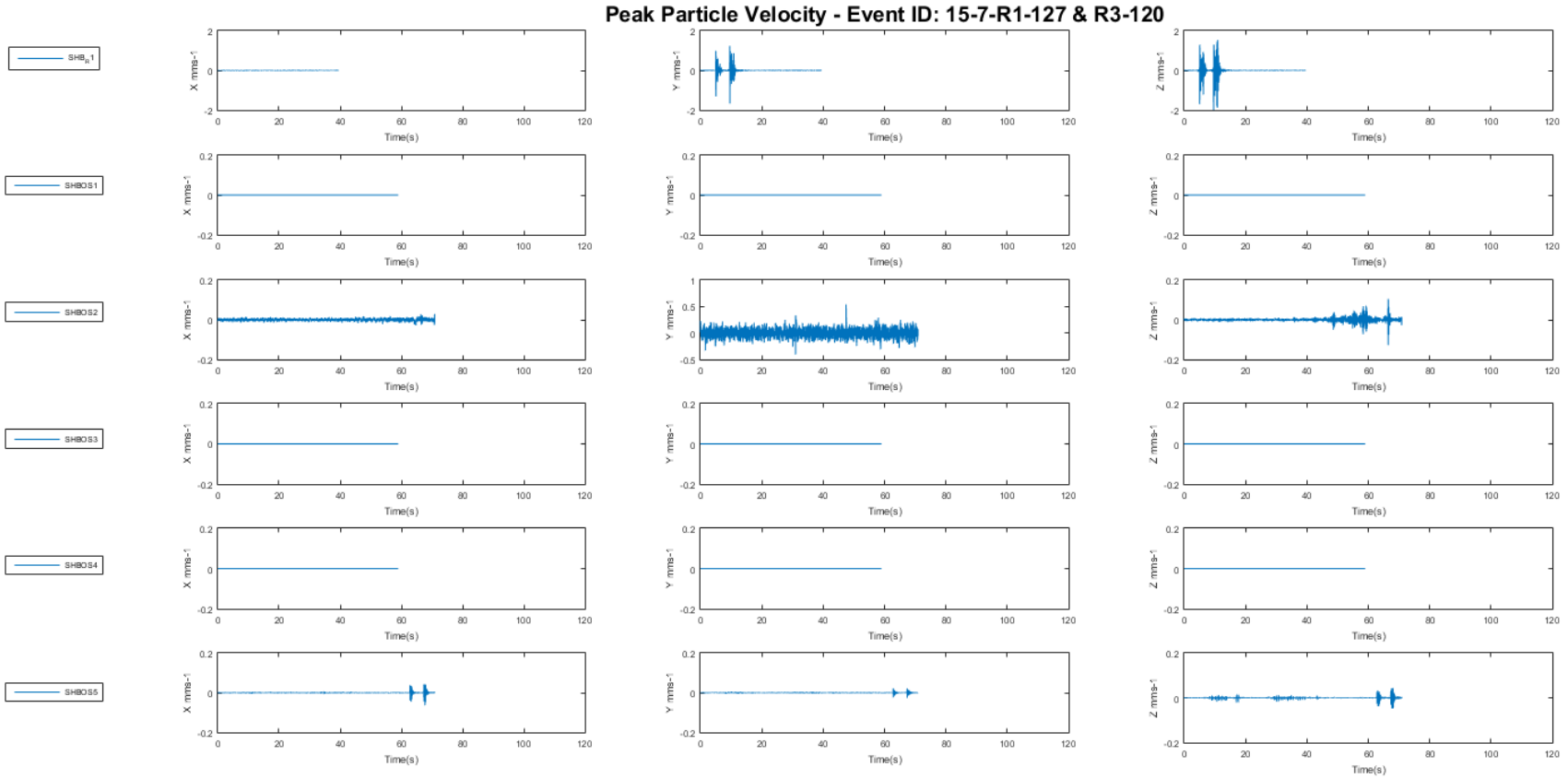


FIGURE 3.31: SHB_OS 1 - 5 15-7-R1-127 & R3-120

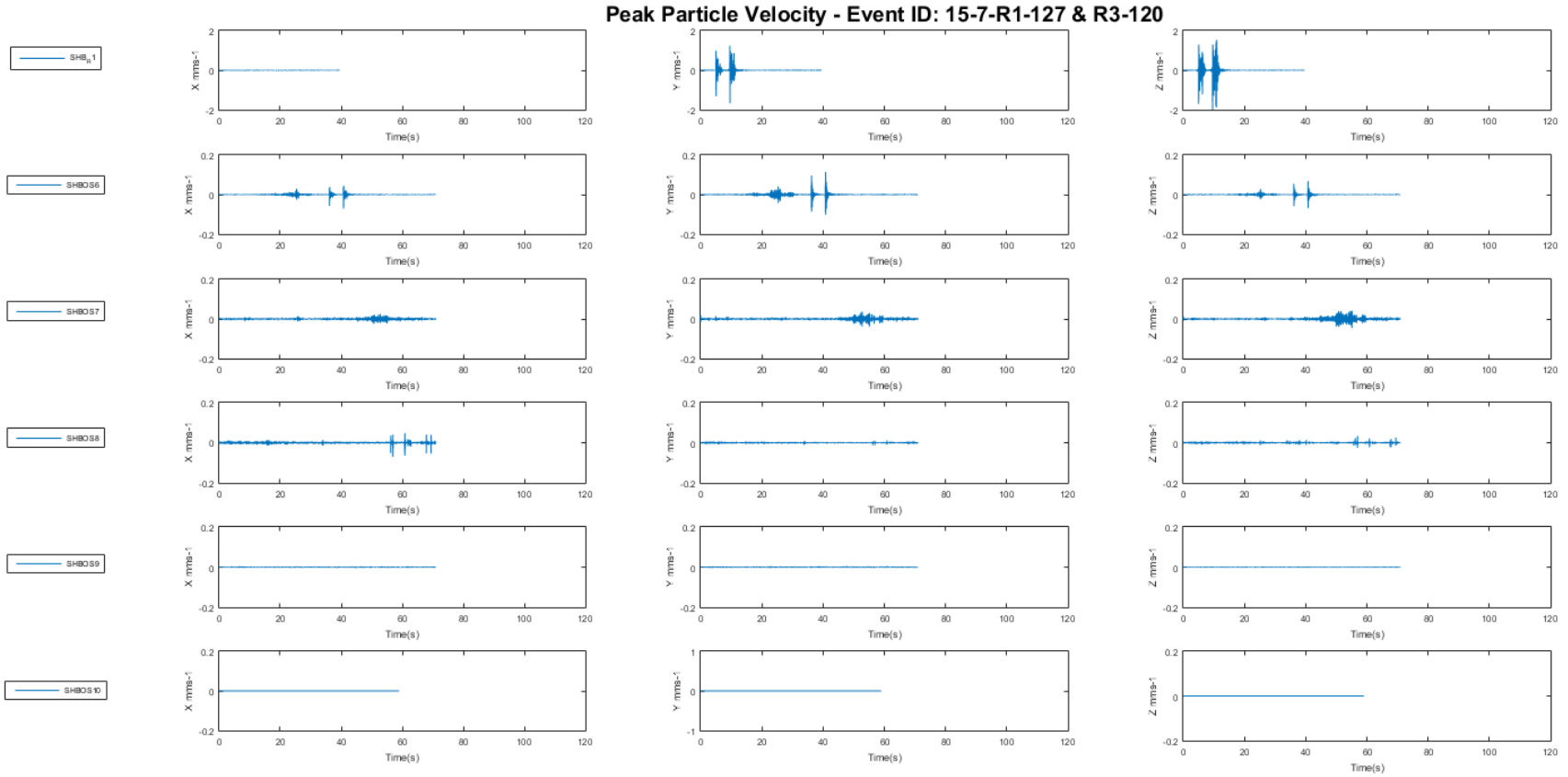


FIGURE 3.32: SHB_OS 6 - 10 15-7-R1-127 & R3-120

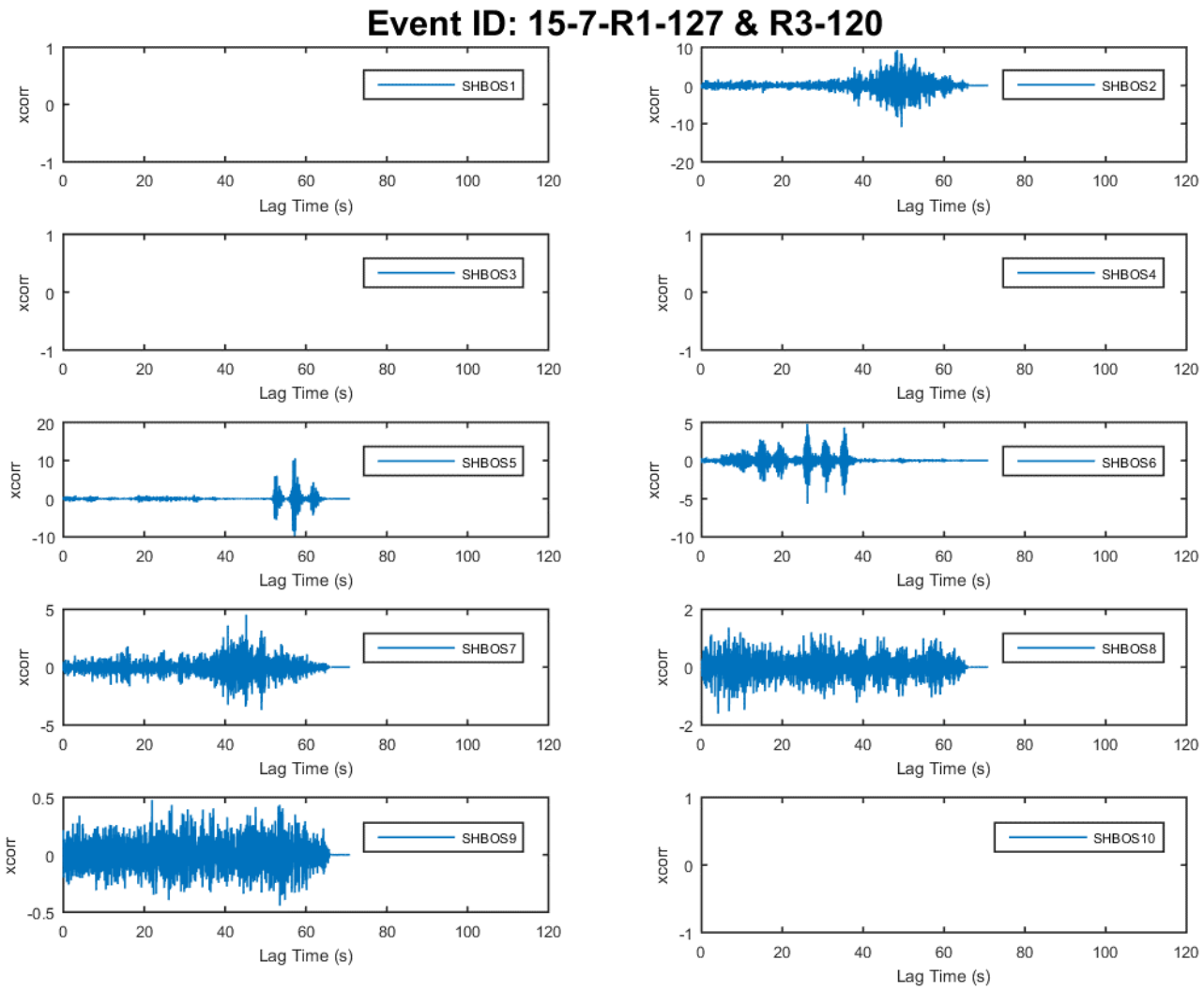


FIGURE 3.33: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-127 & R3-120

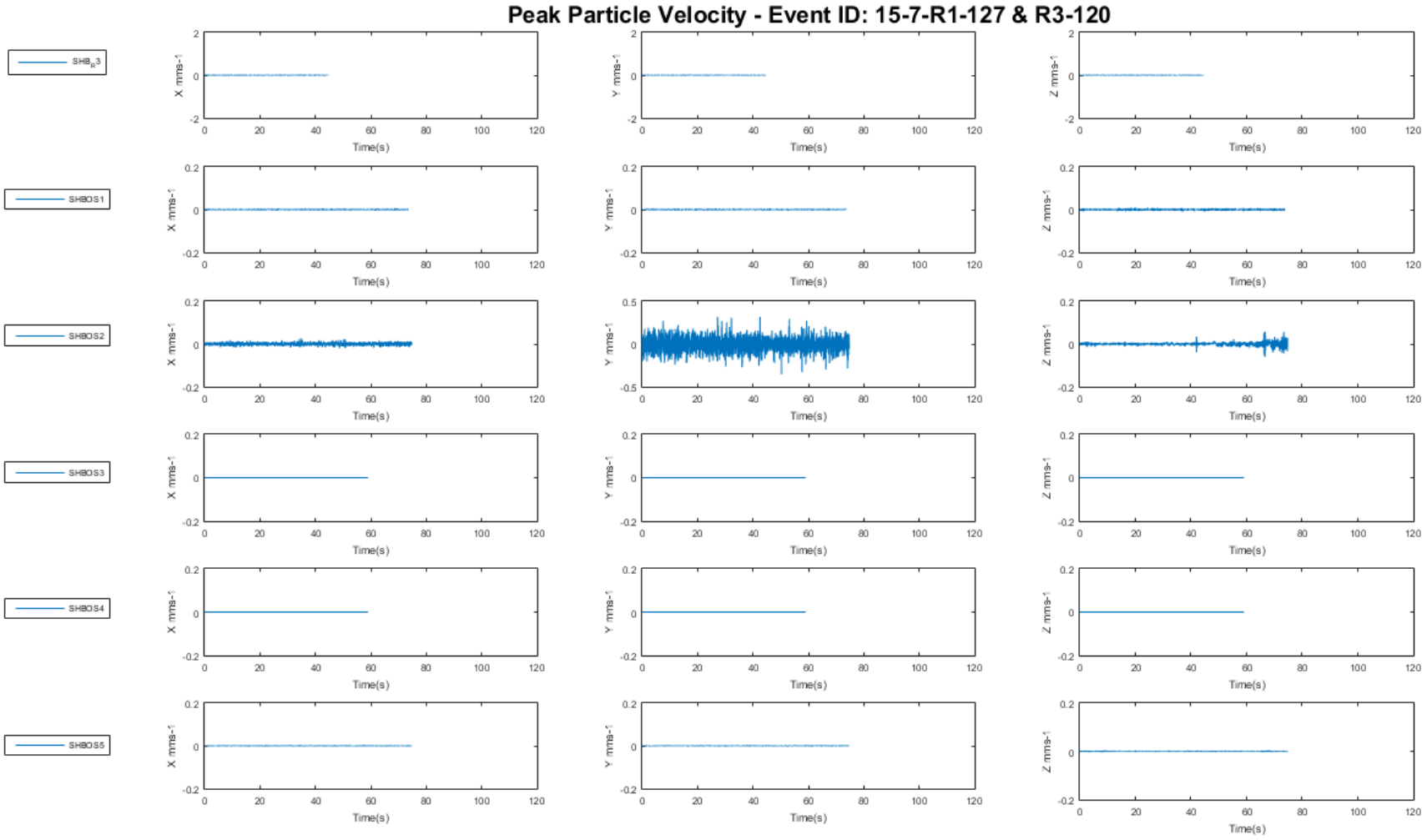


FIGURE 3.34: SHB_OS 1 - 5 15-7-R1-127 & R3-120

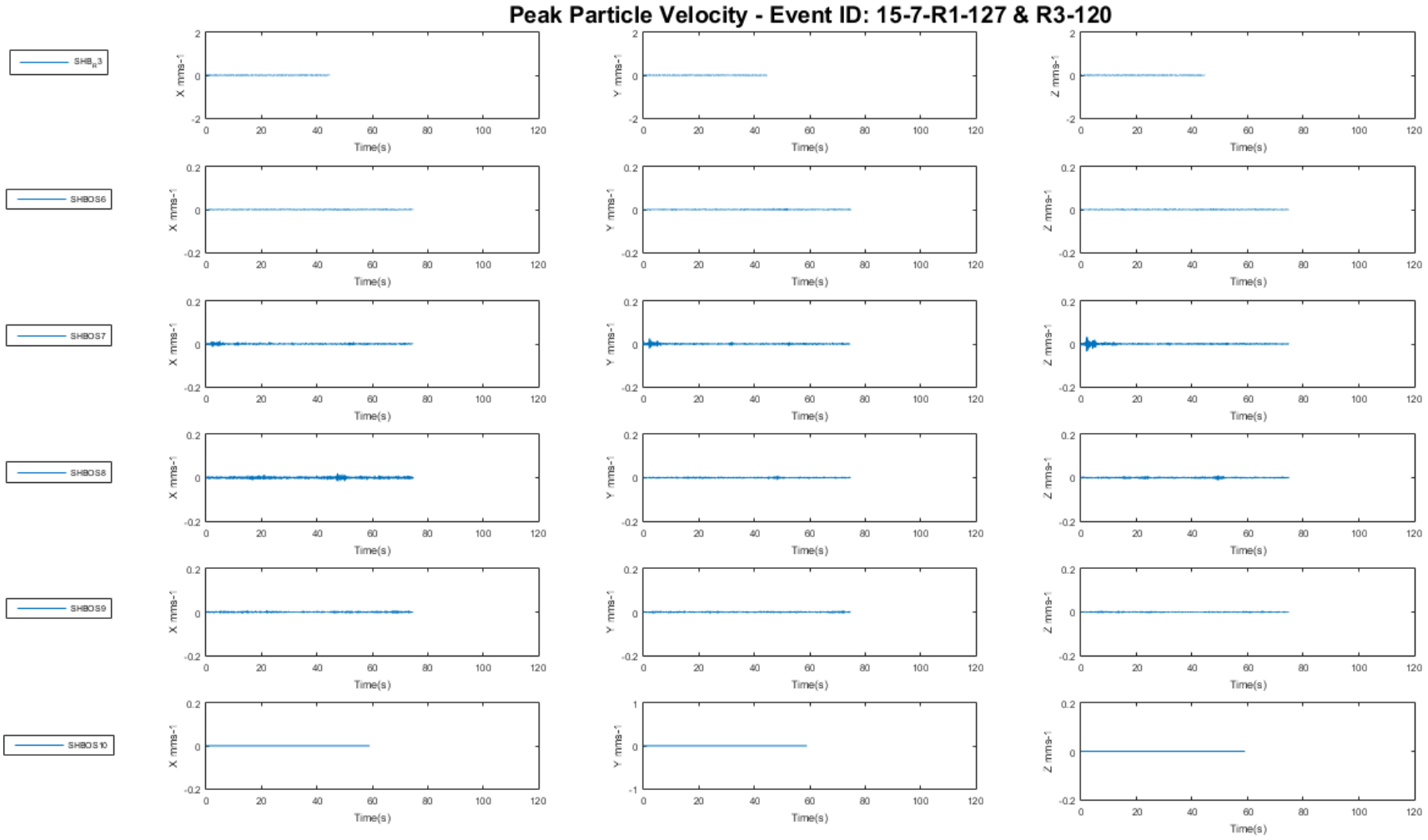


FIGURE 3.35: SHB_OS 6 - 10 15-7-R1-127 & R3-120

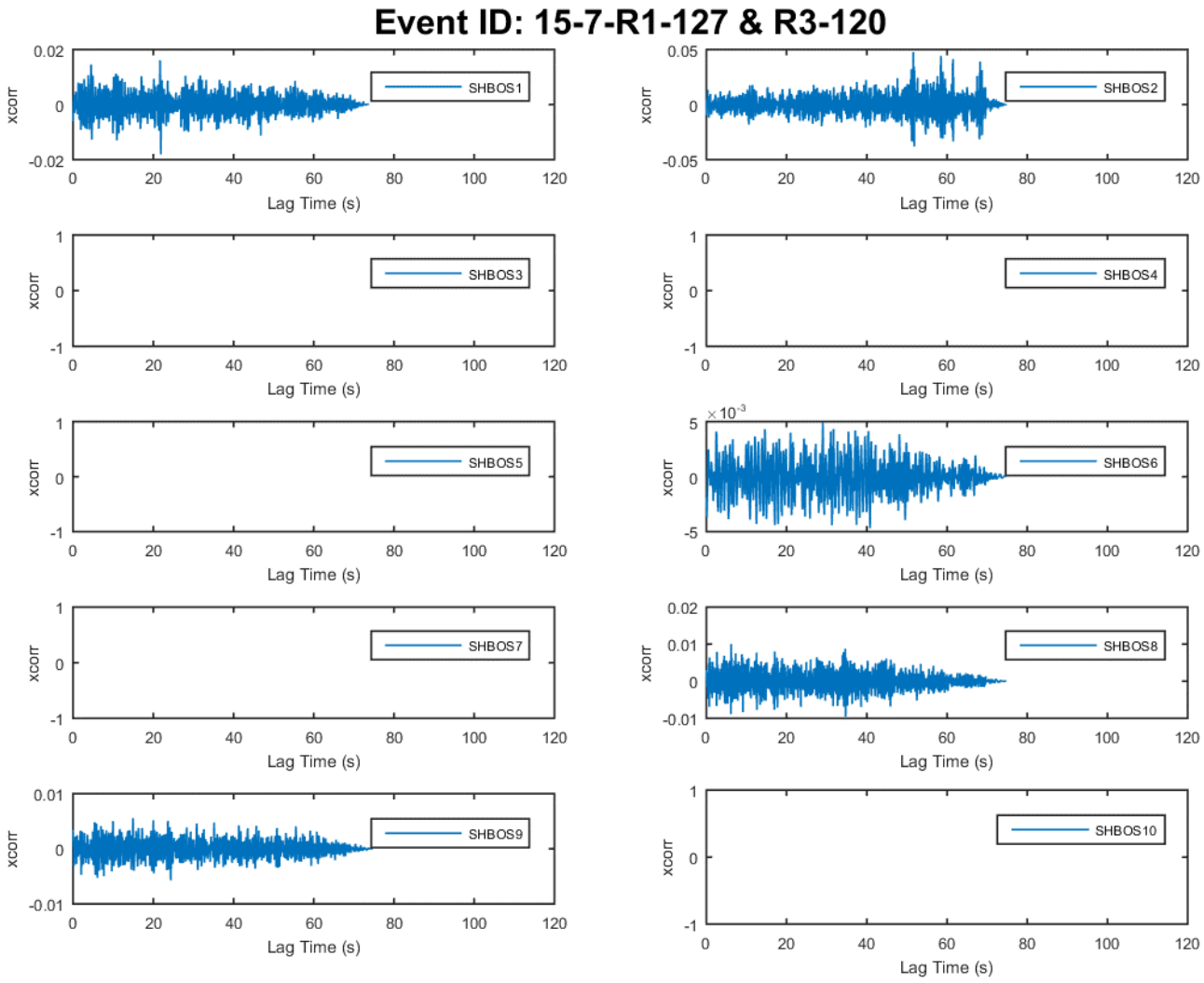


FIGURE 3.36: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-127 & R3-120

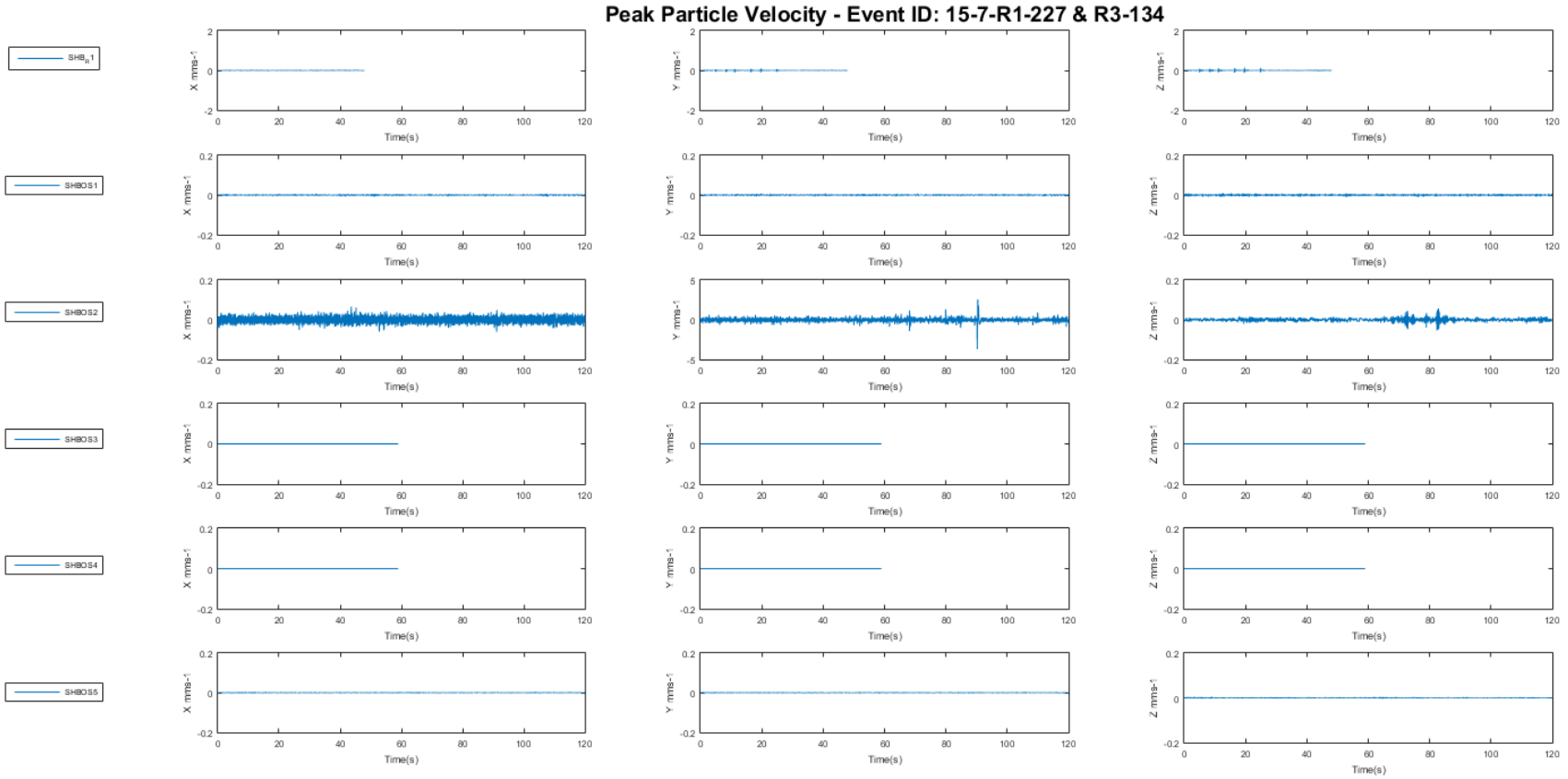


FIGURE 3.37: SHB_OS 1 - 5 15-7-R1-227 & R3-134

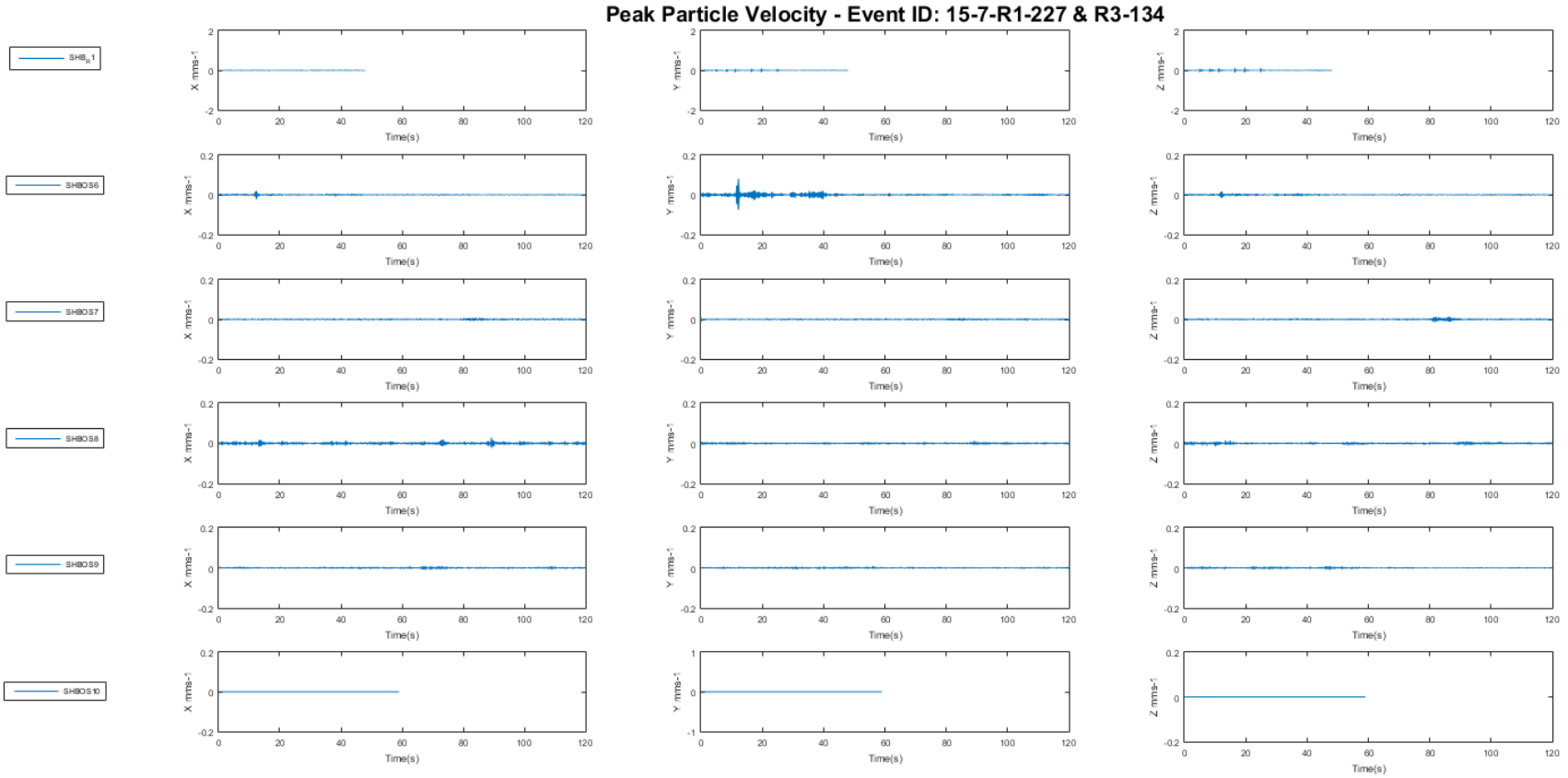


FIGURE 3.38: SHB_OS 6 - 10 15-7-R1-227 & R3-134

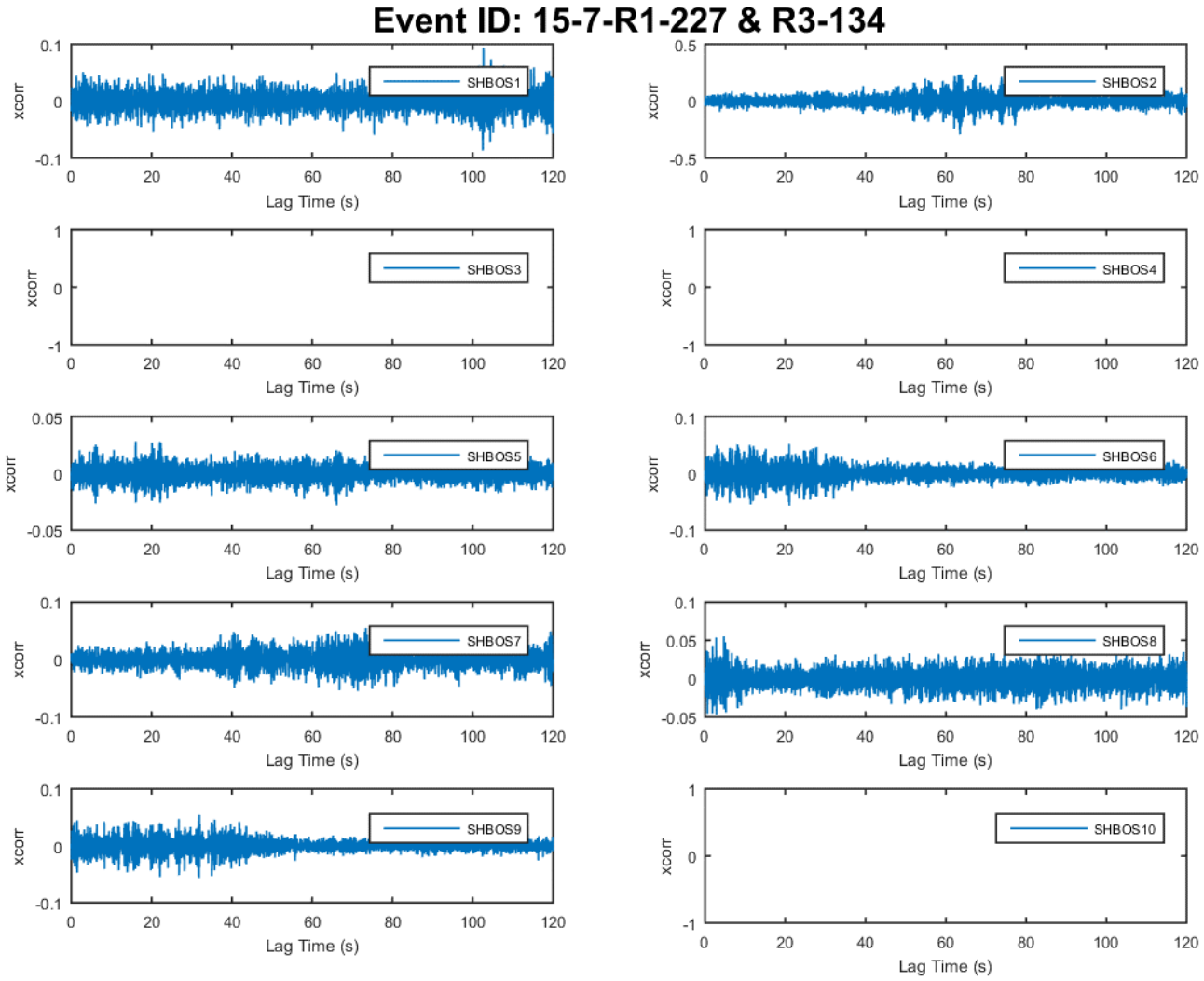


FIGURE 3.39: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-227 & R3-134

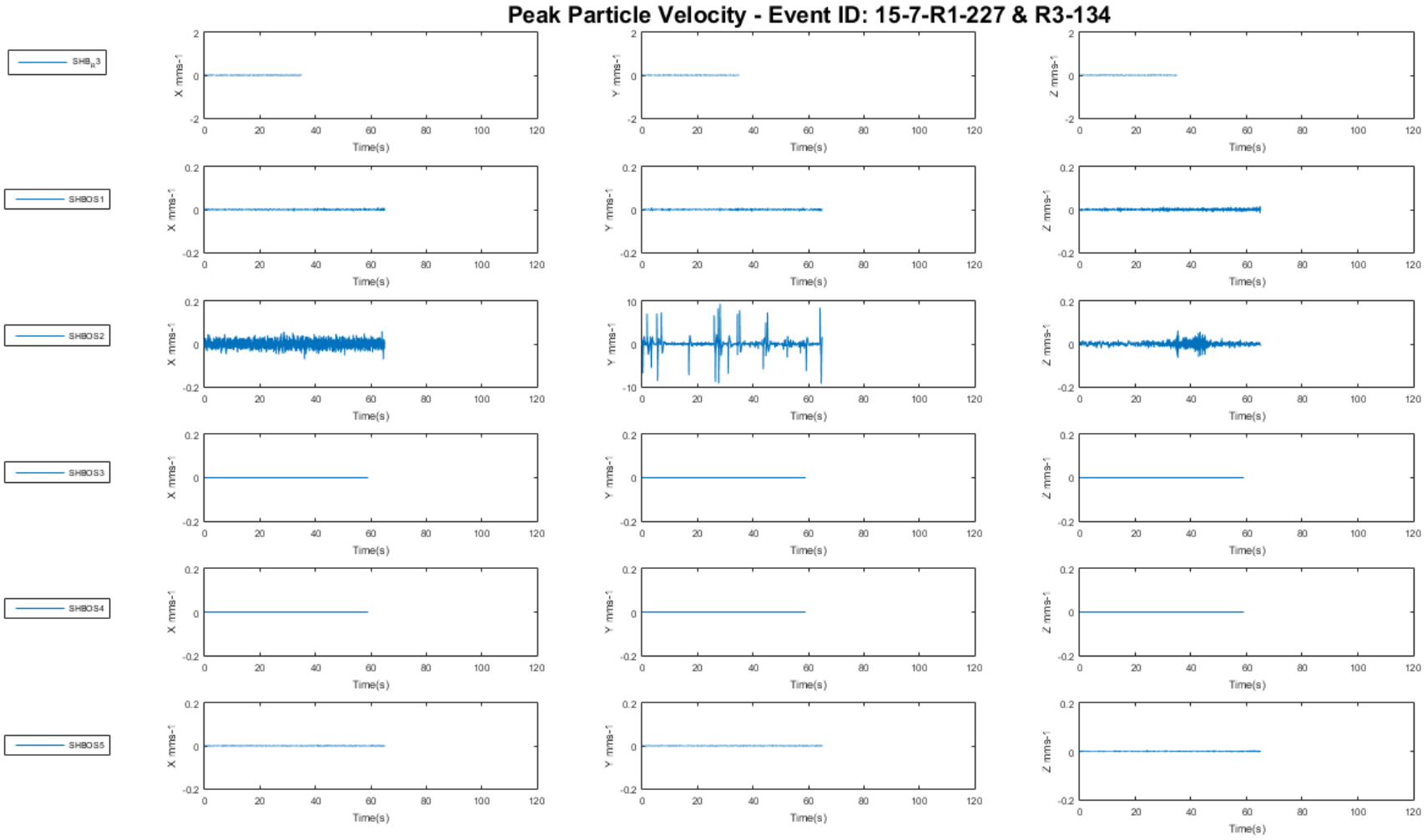


FIGURE 3.40: SHB_OS 1 - 5 15-7-R1-227 & R3-134

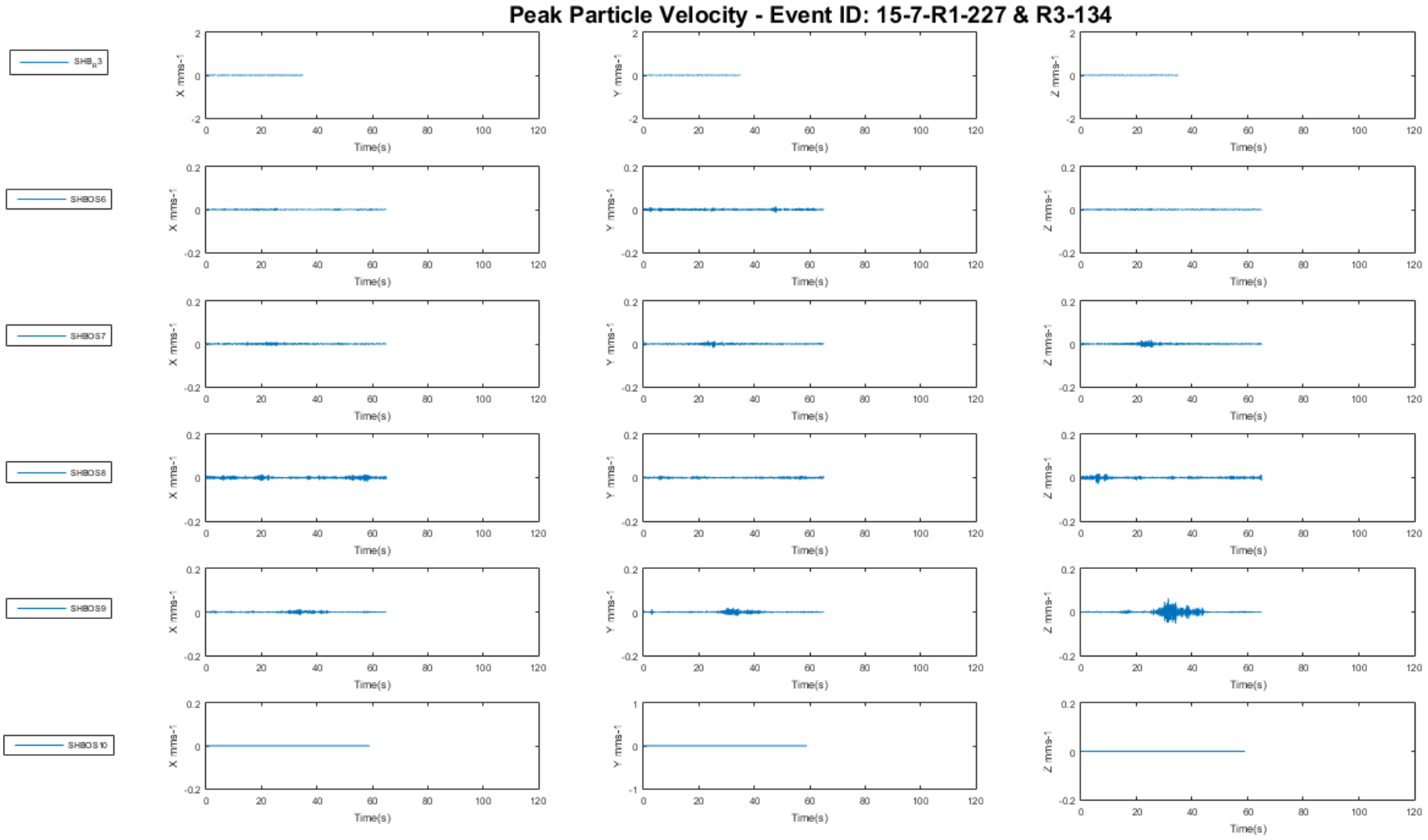


FIGURE 3.41: SHB_OS 6 - 10 15-7-R1-227 & R3-134

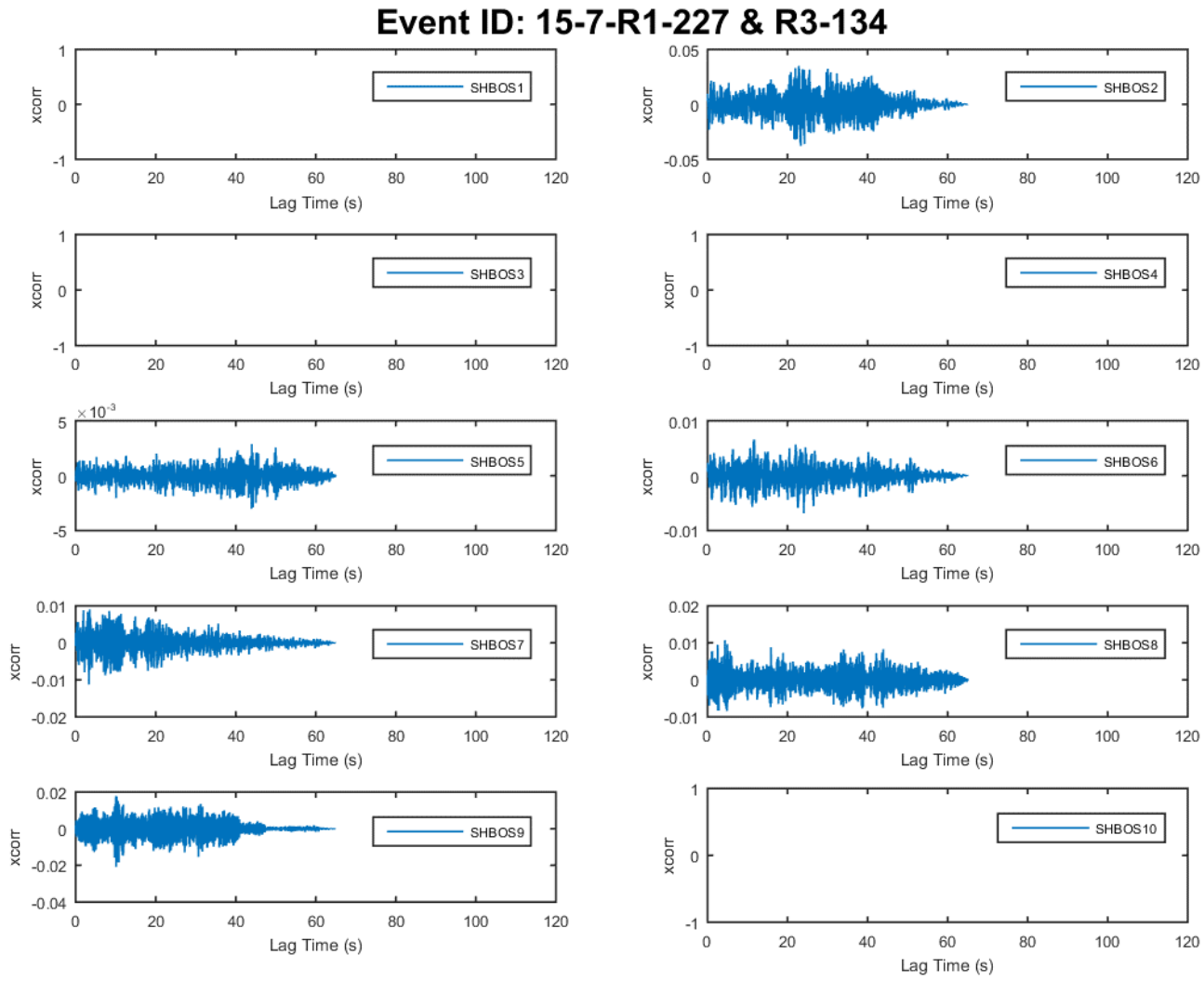


FIGURE 3.42: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-227 & R3-134

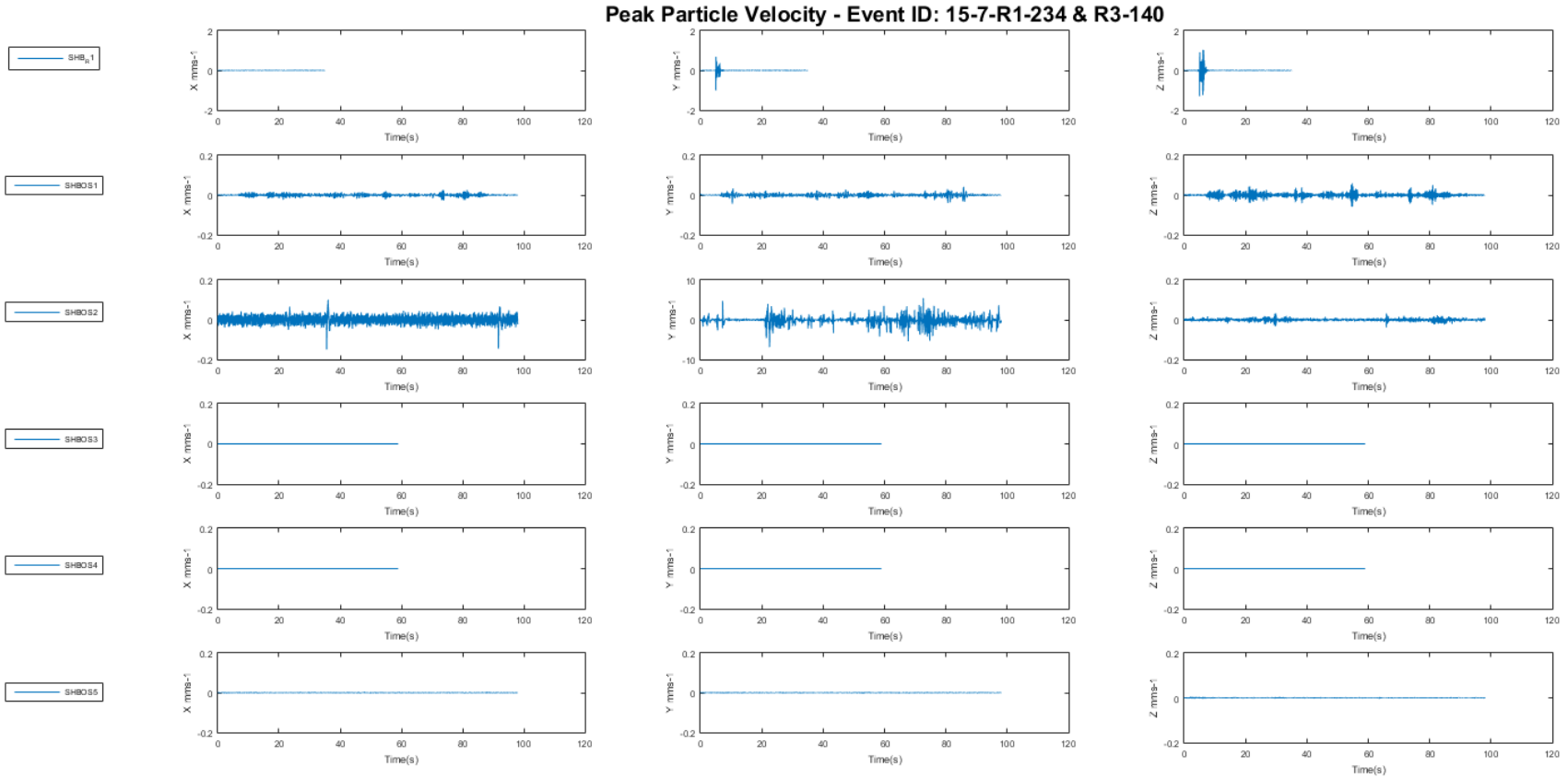


FIGURE 3.43: SHB_OS 1 - 5 15-7-R1-234 & R3-140

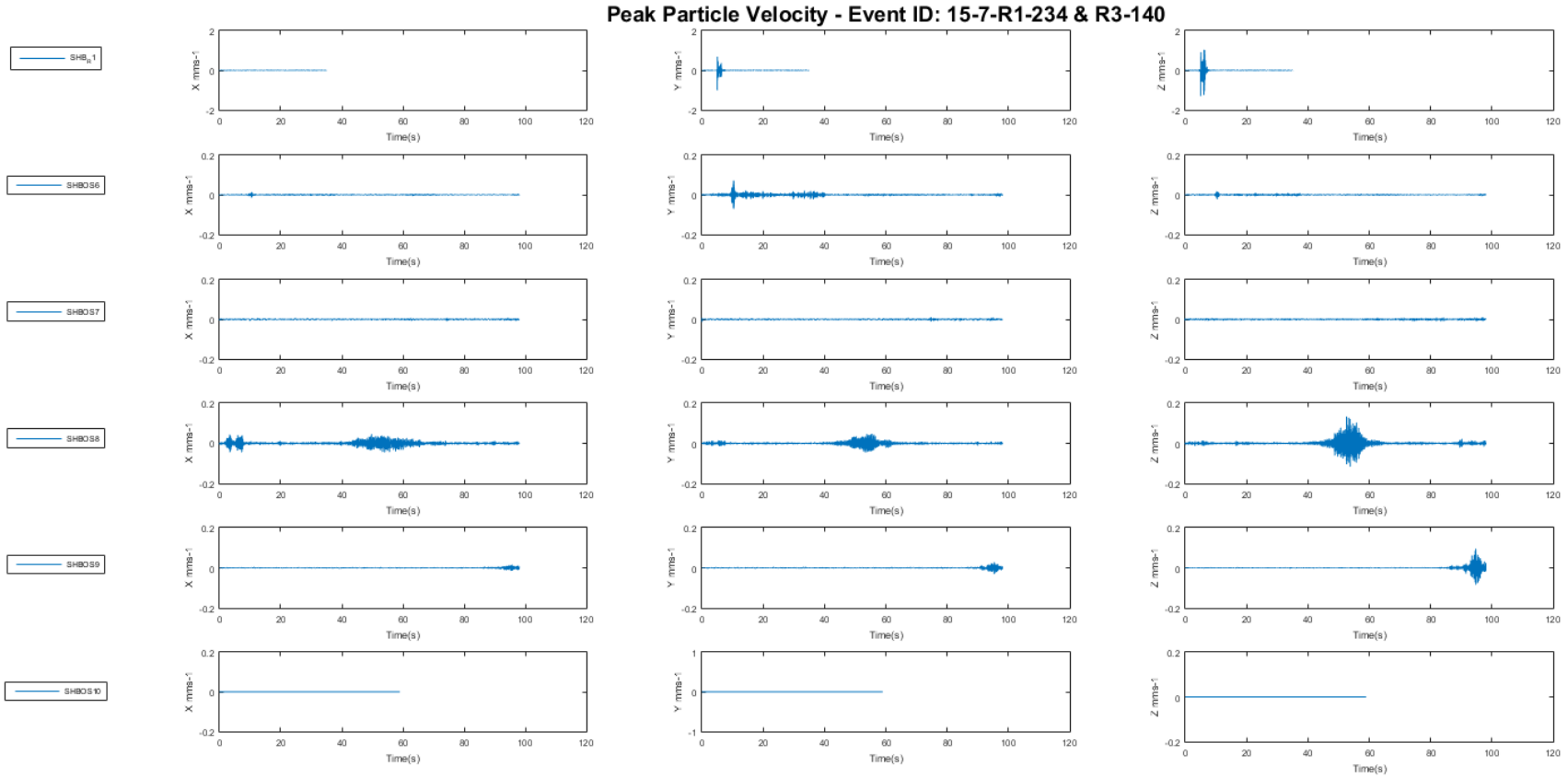


FIGURE 3.44: SHB_OS 6 - 10 15-7-R1-234 & R3-140

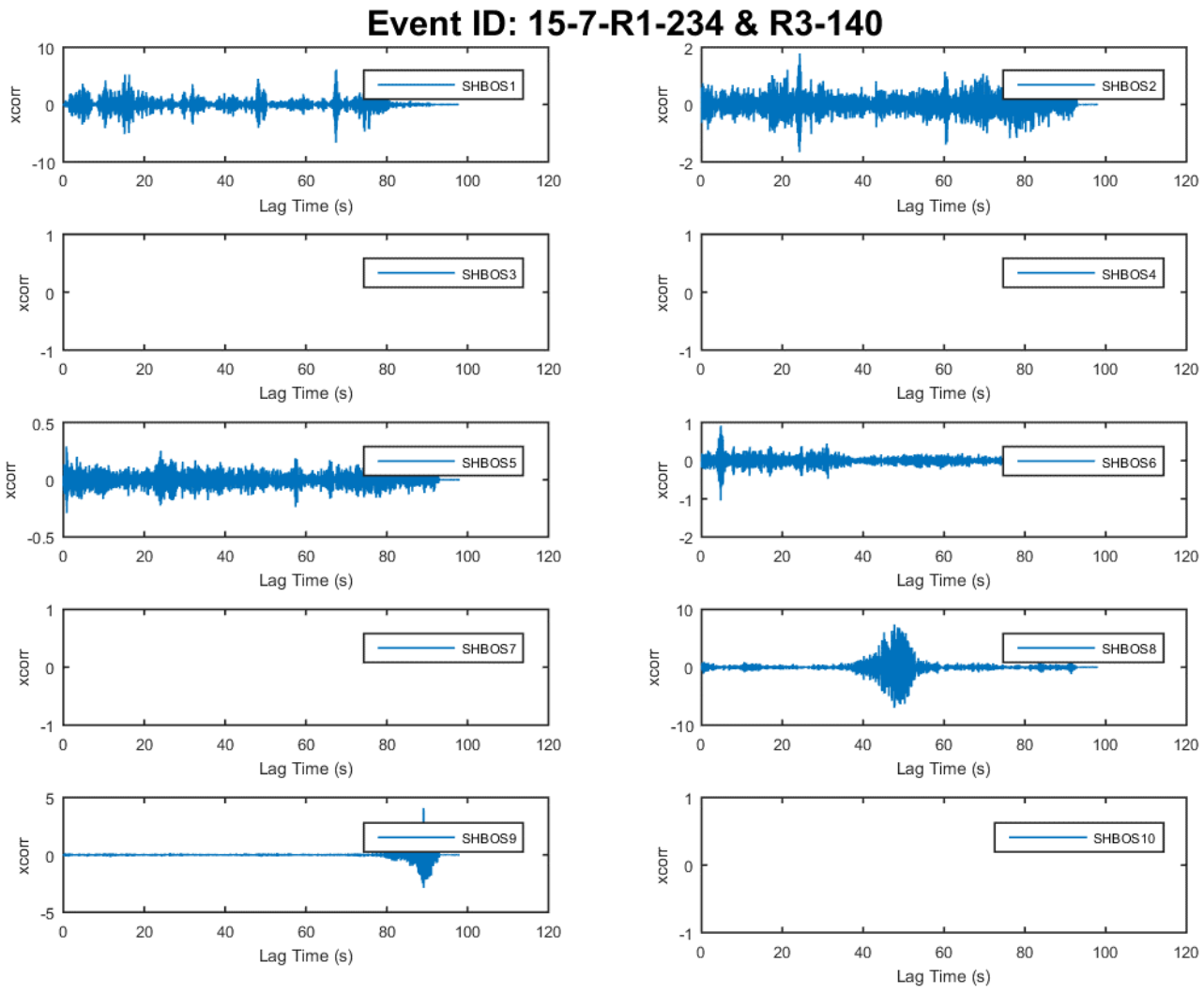


FIGURE 3.45: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-234 & R3-140

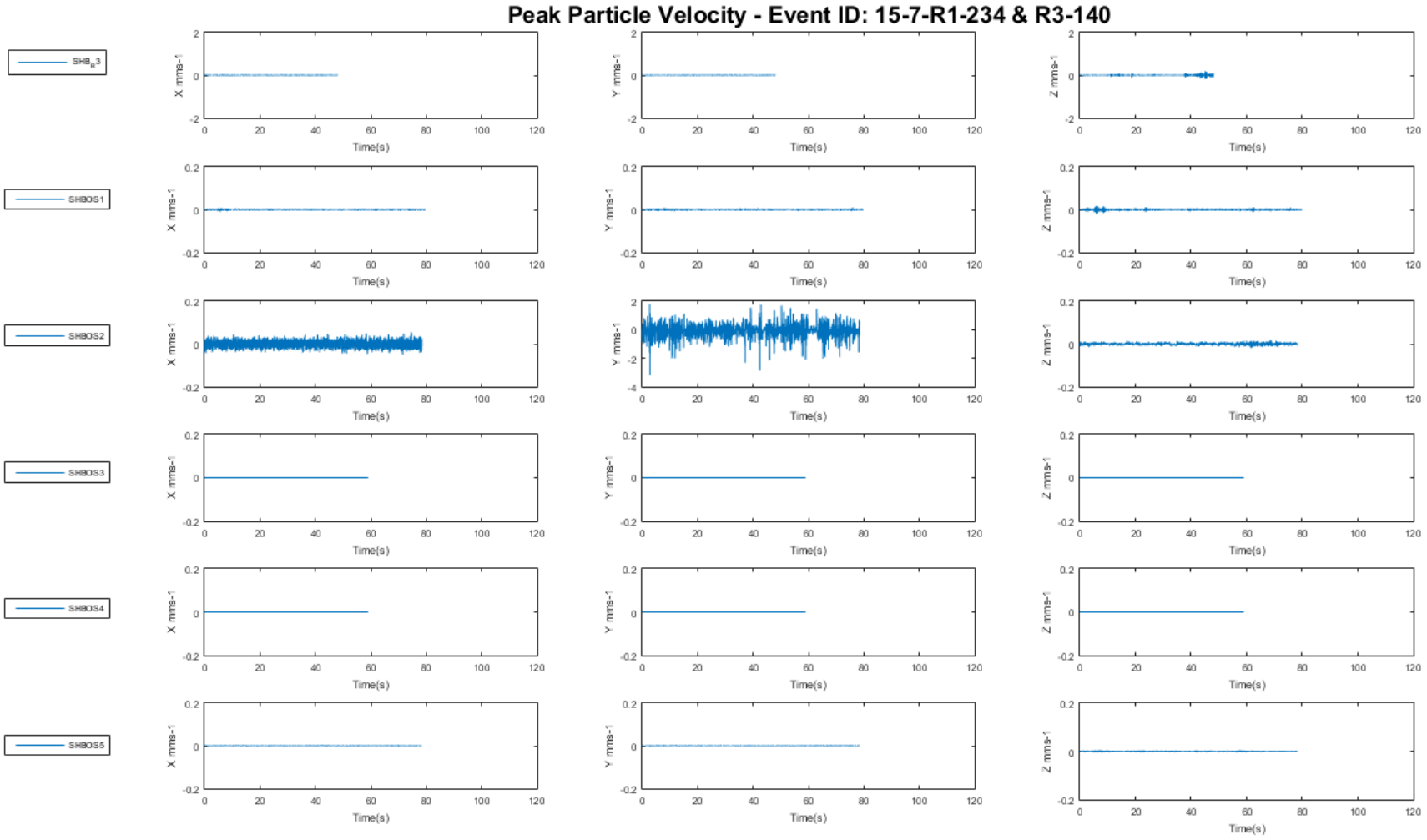


FIGURE 3.46: SHB_OS 1 - 5 15-7-R1-234 & R3-140

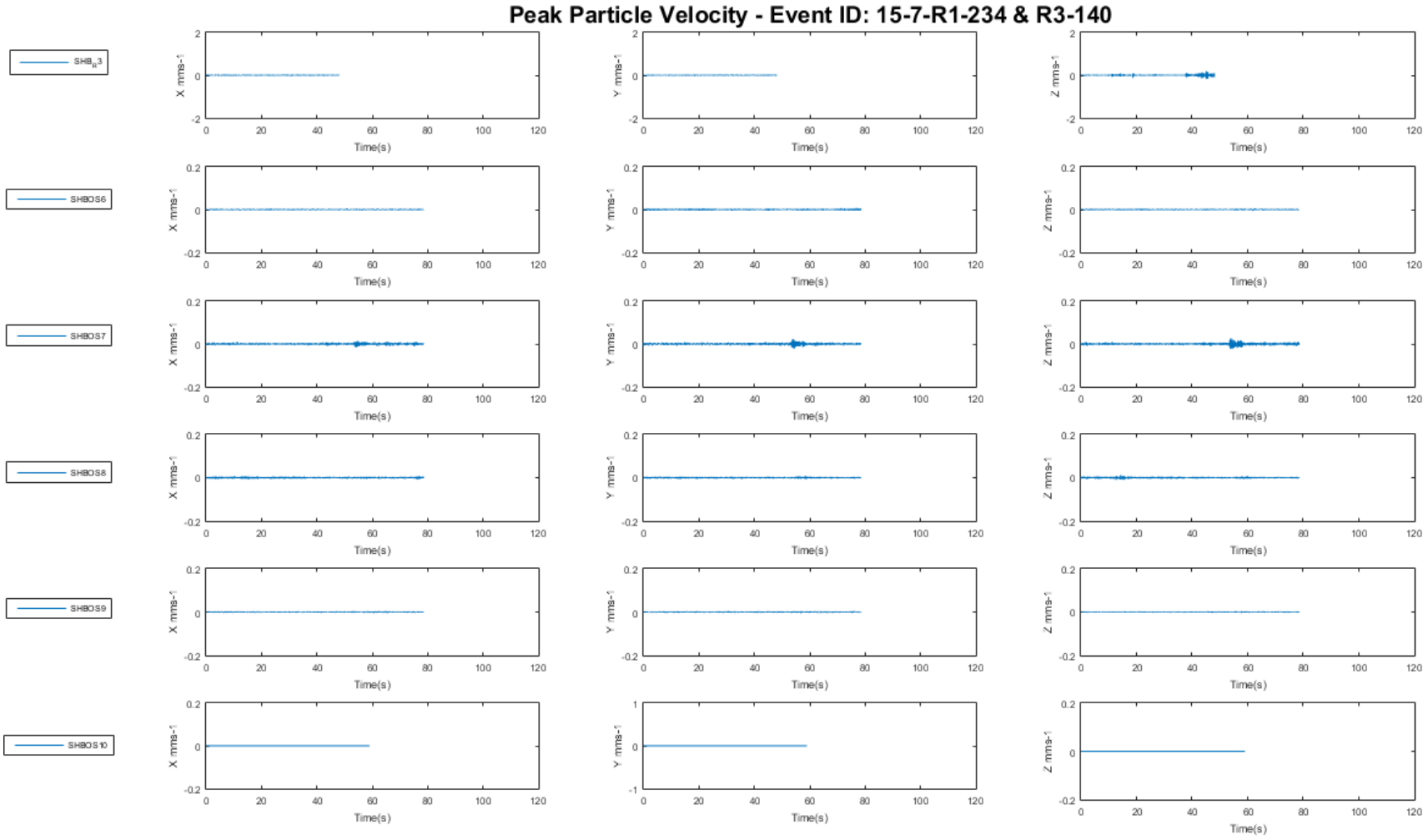


FIGURE 3.47: SHB_OS 6 - 10 15-7-R1-234 & R3-140

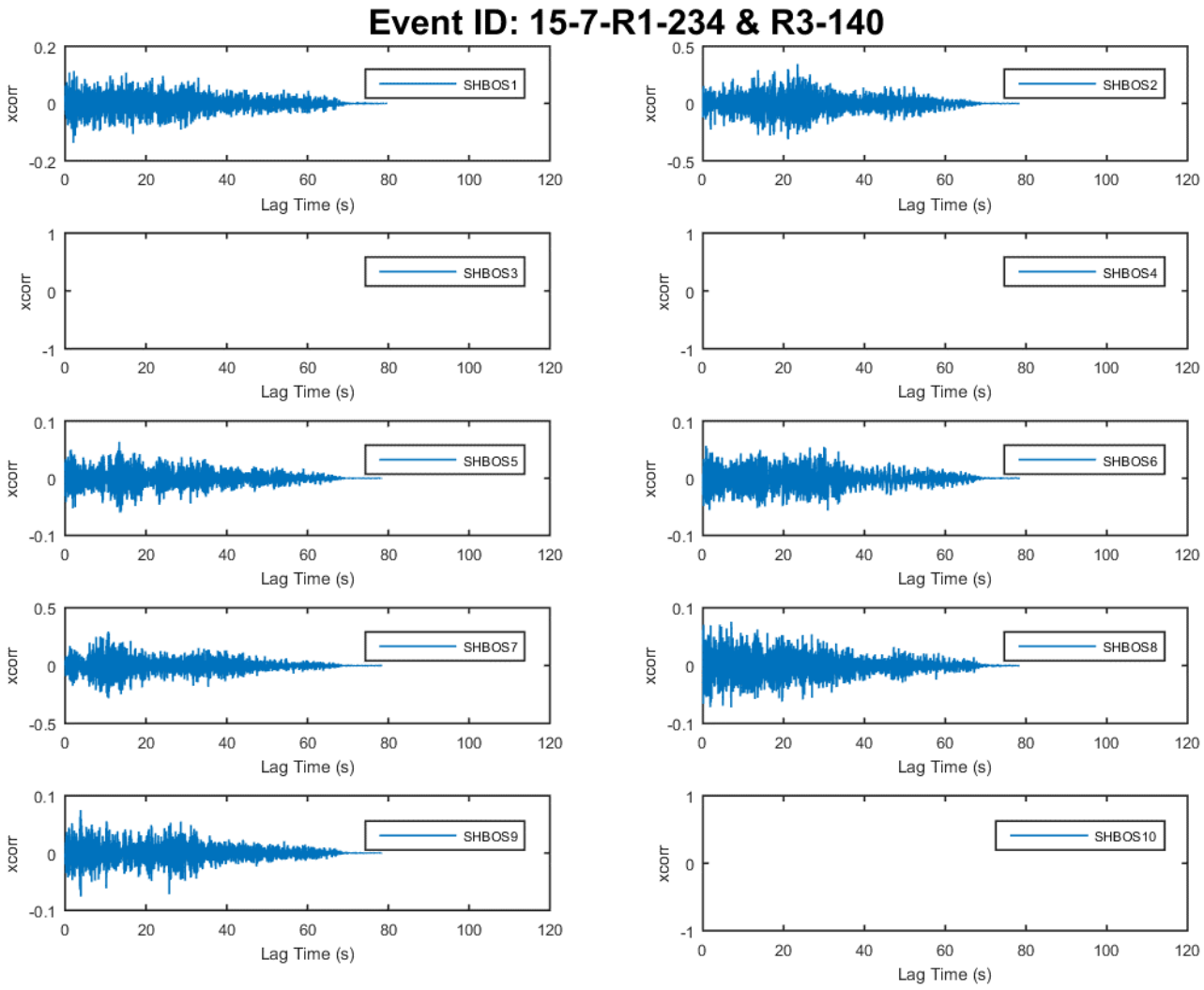


FIGURE 3.48: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-234 & R3-140

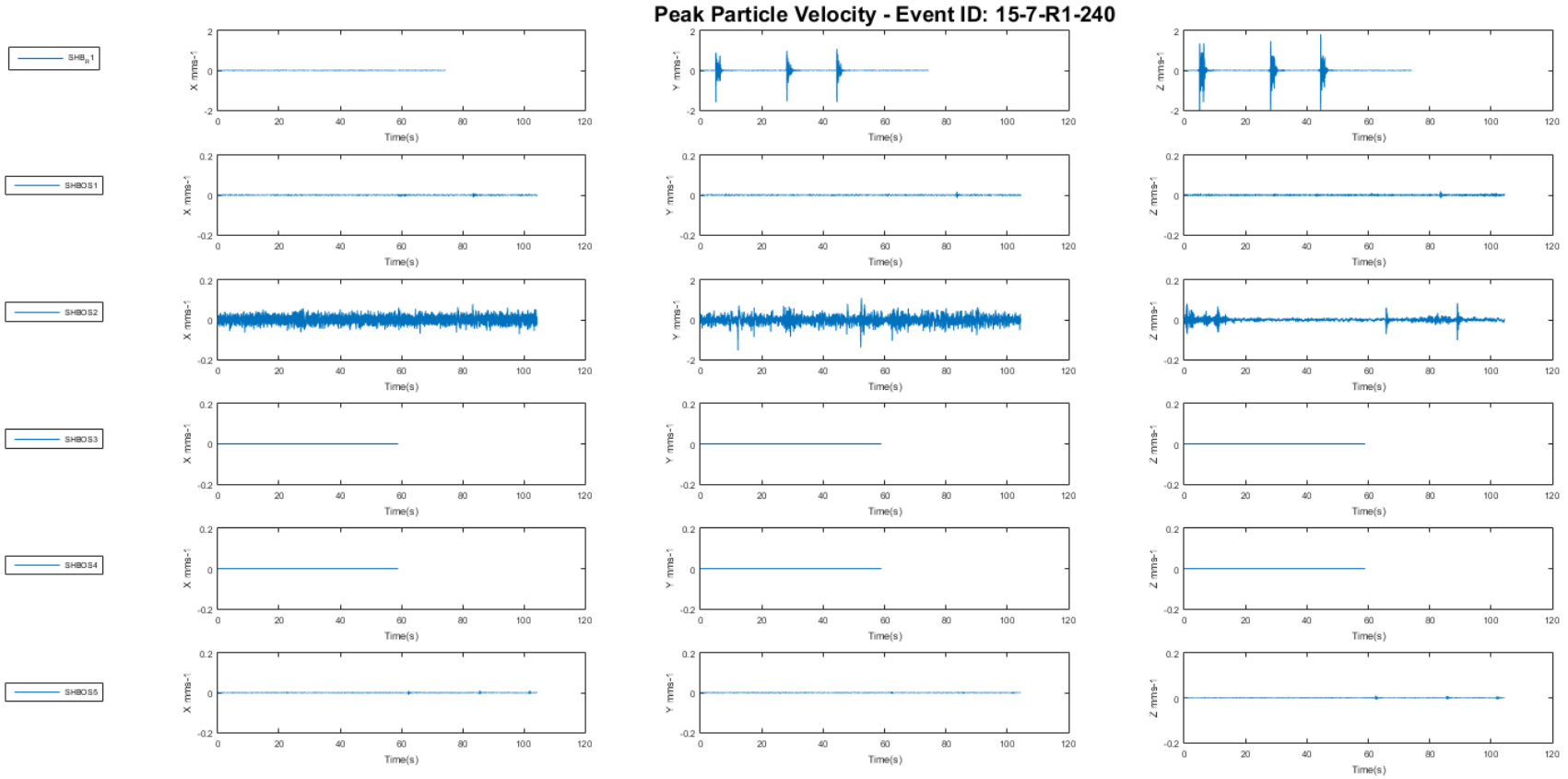


FIGURE 3.49: SHB_OS 1 - 5 15-7-R1-240

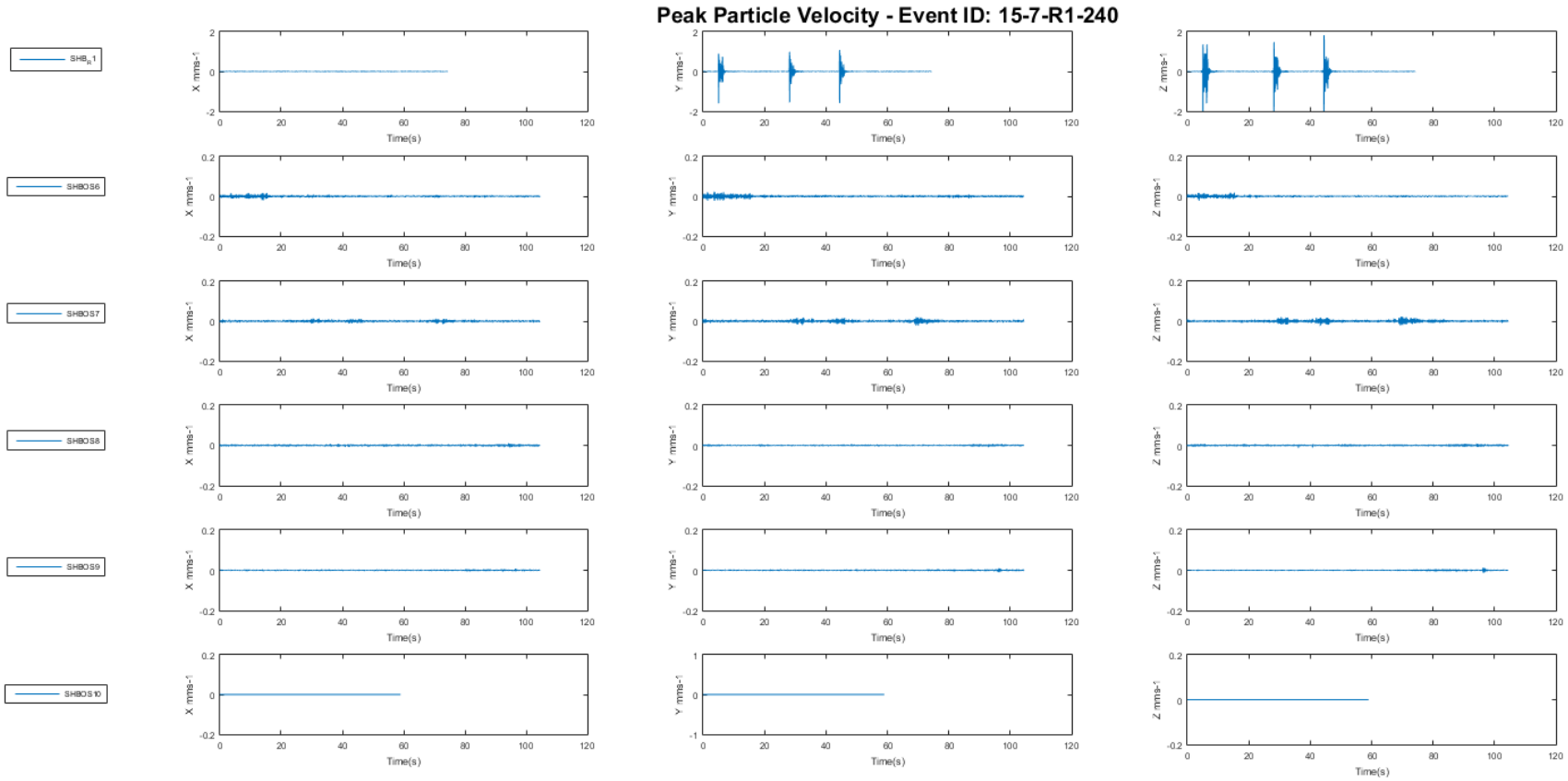


FIGURE 3.50: SHB_OS 6 - 10 15-7-R1-240

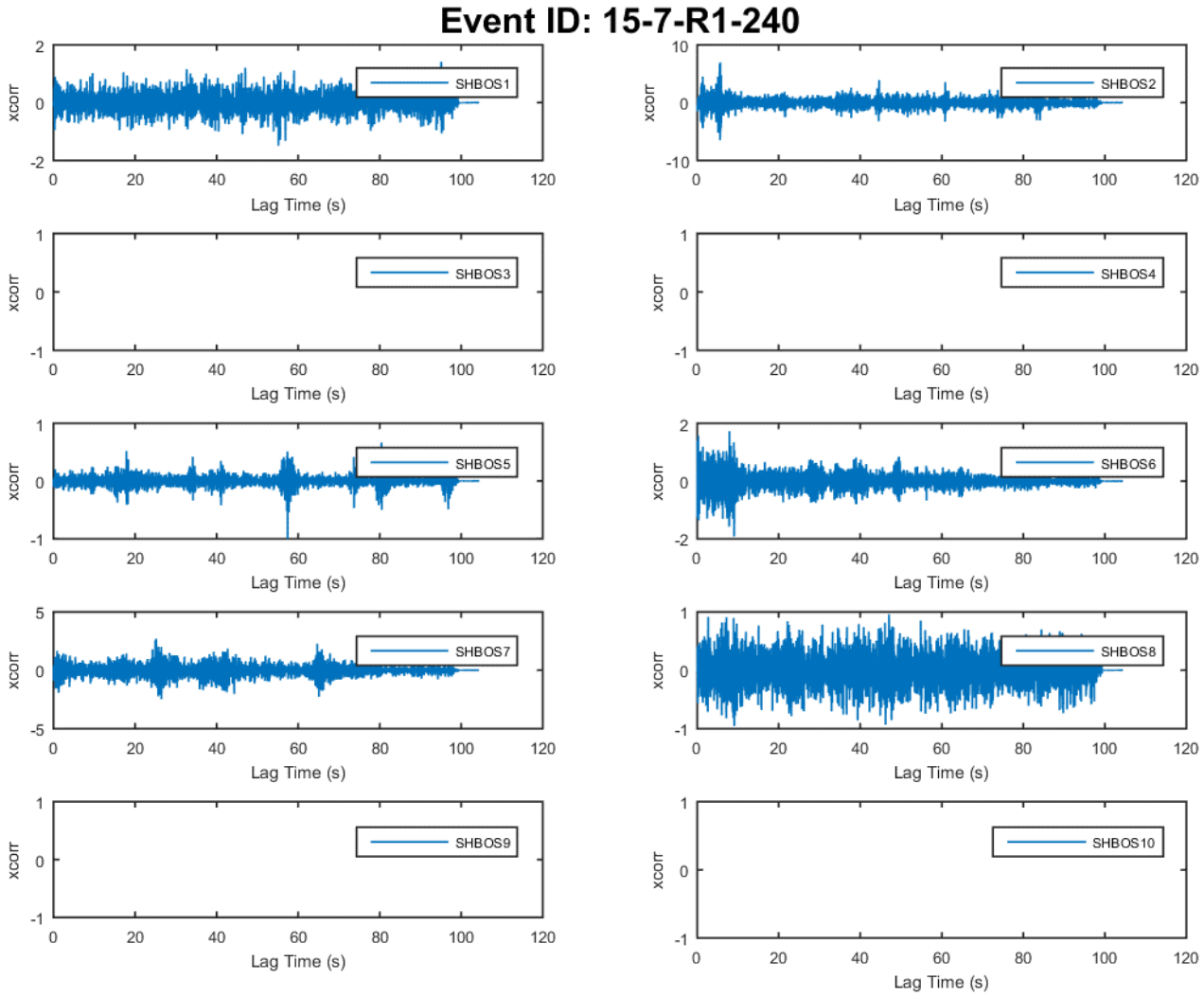


FIGURE 3.51: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-240

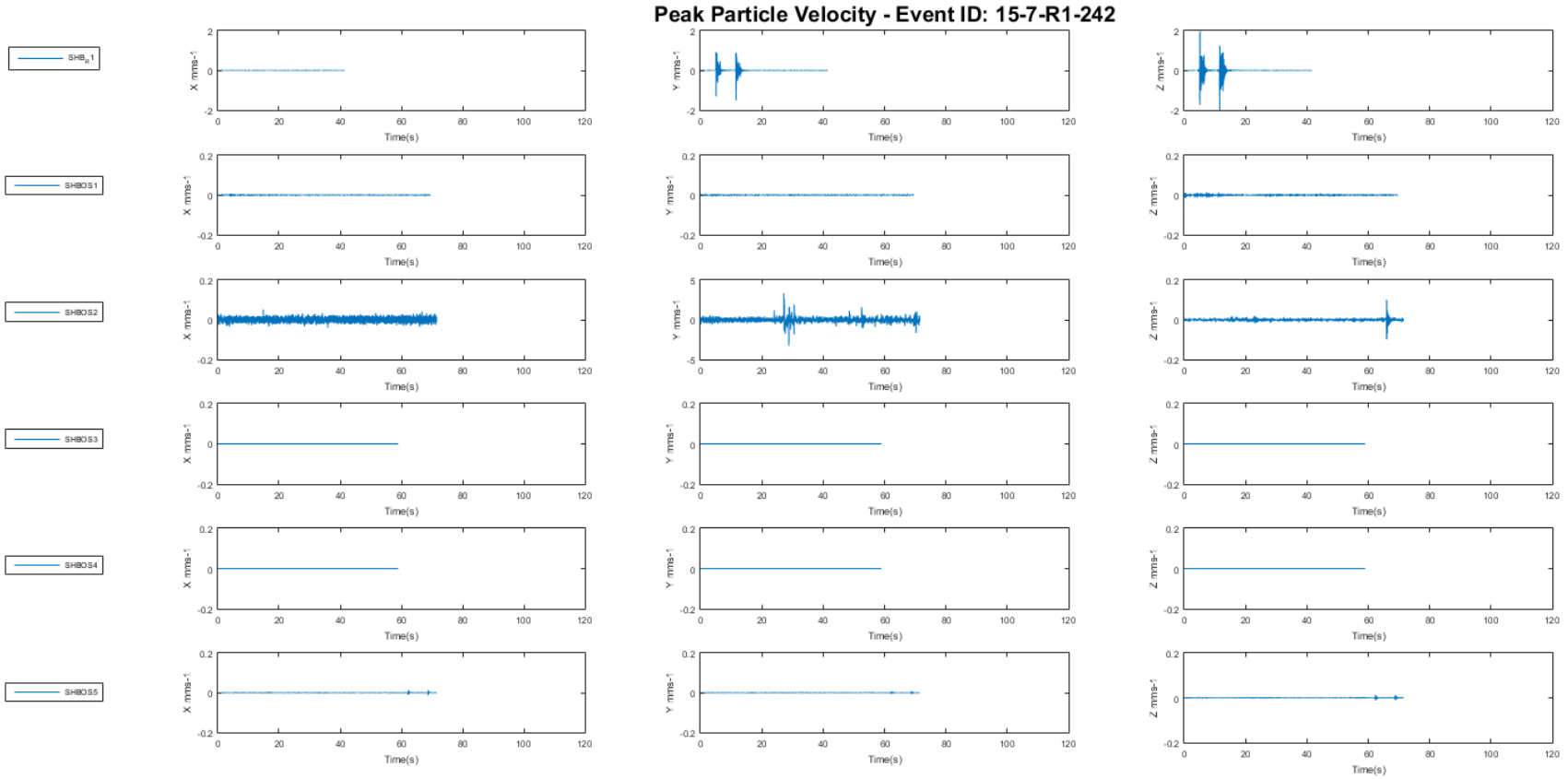


FIGURE 3.52: SHB_OS 1 - 5 15-7-R1-242

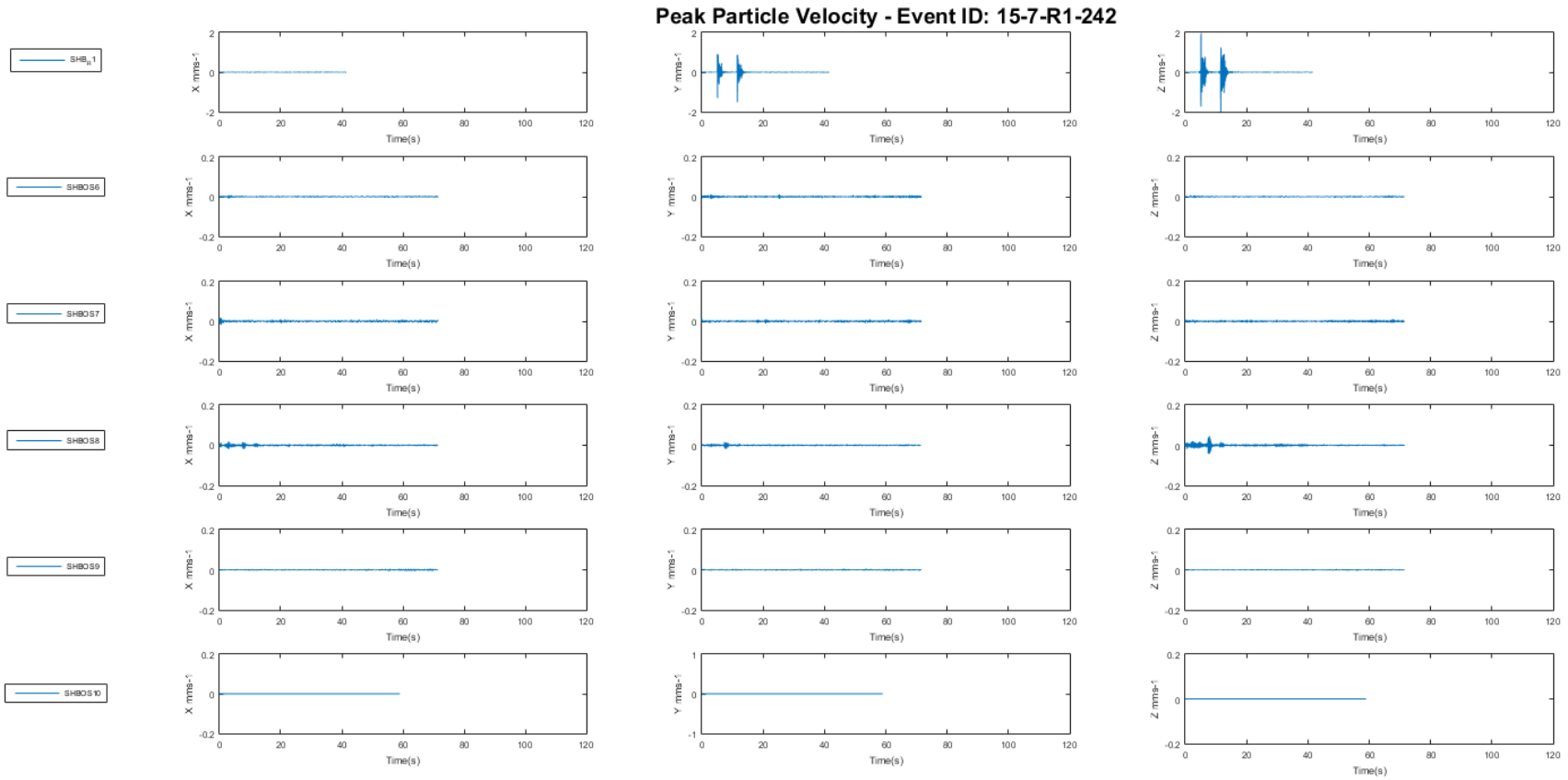


FIGURE 3.53: SHB_OS 6 - 10 15-7-R1-242

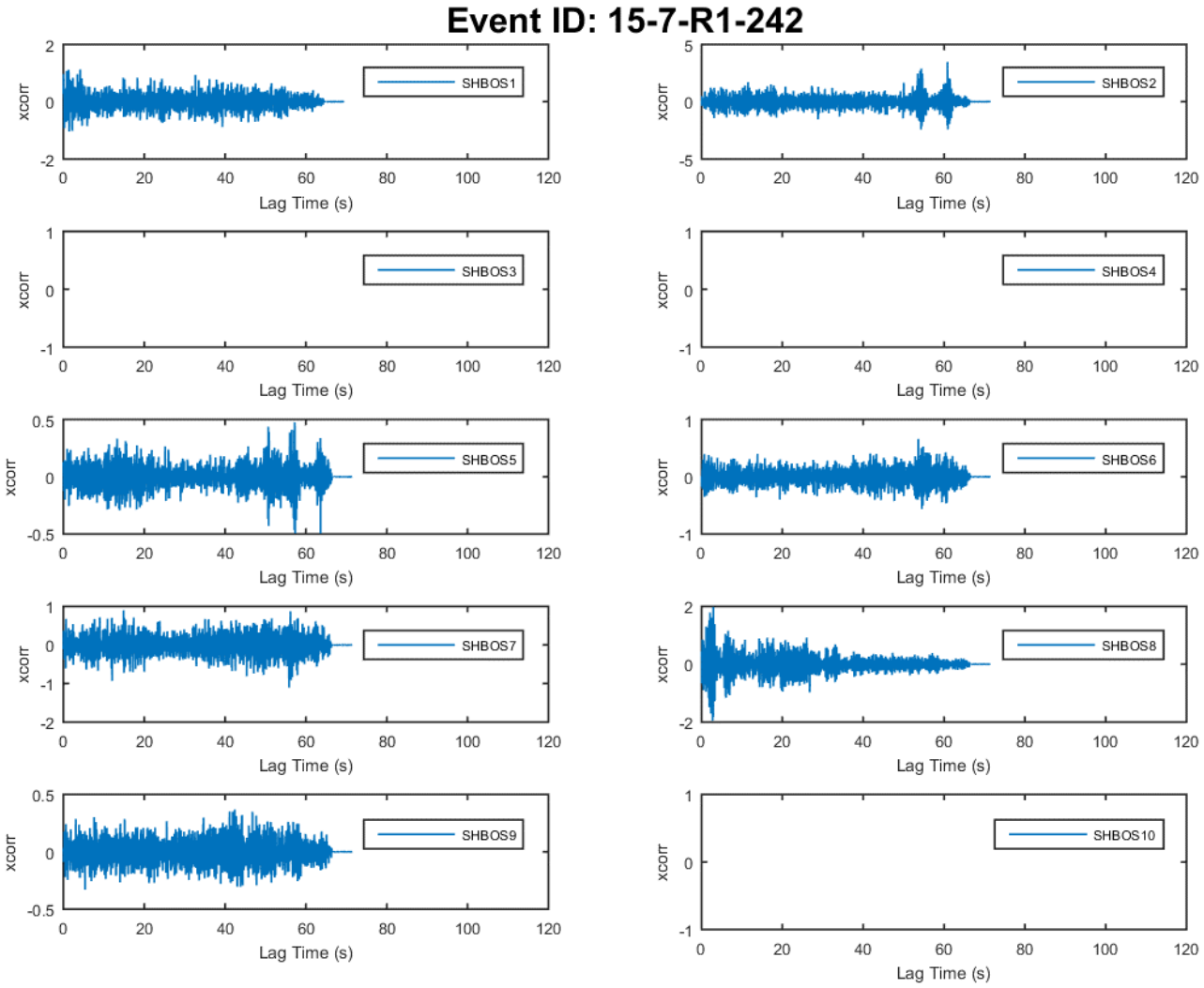


FIGURE 3.54: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-242

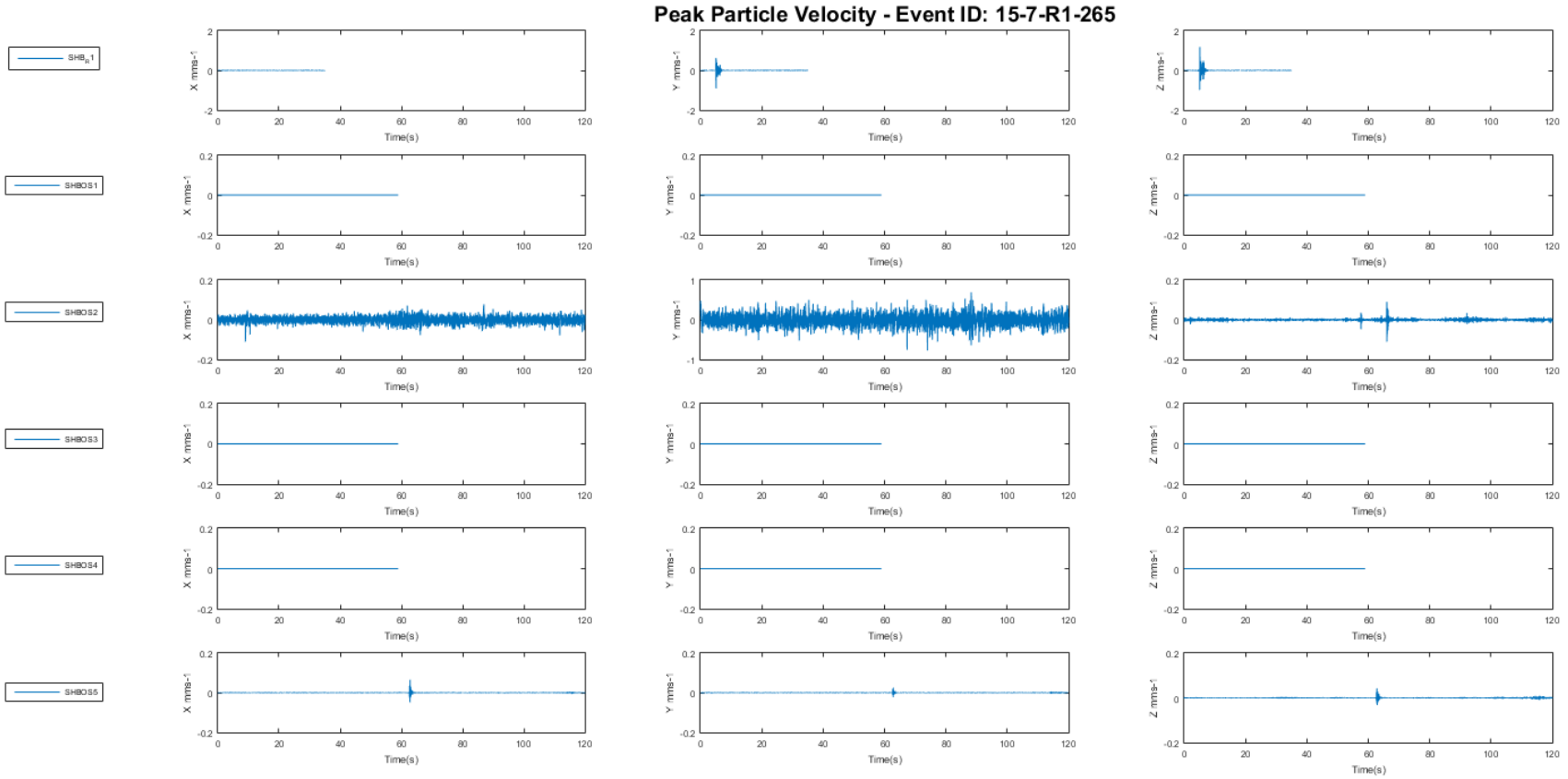


FIGURE 3.55: SHB_OS 1 - 5 15-7-R1-265

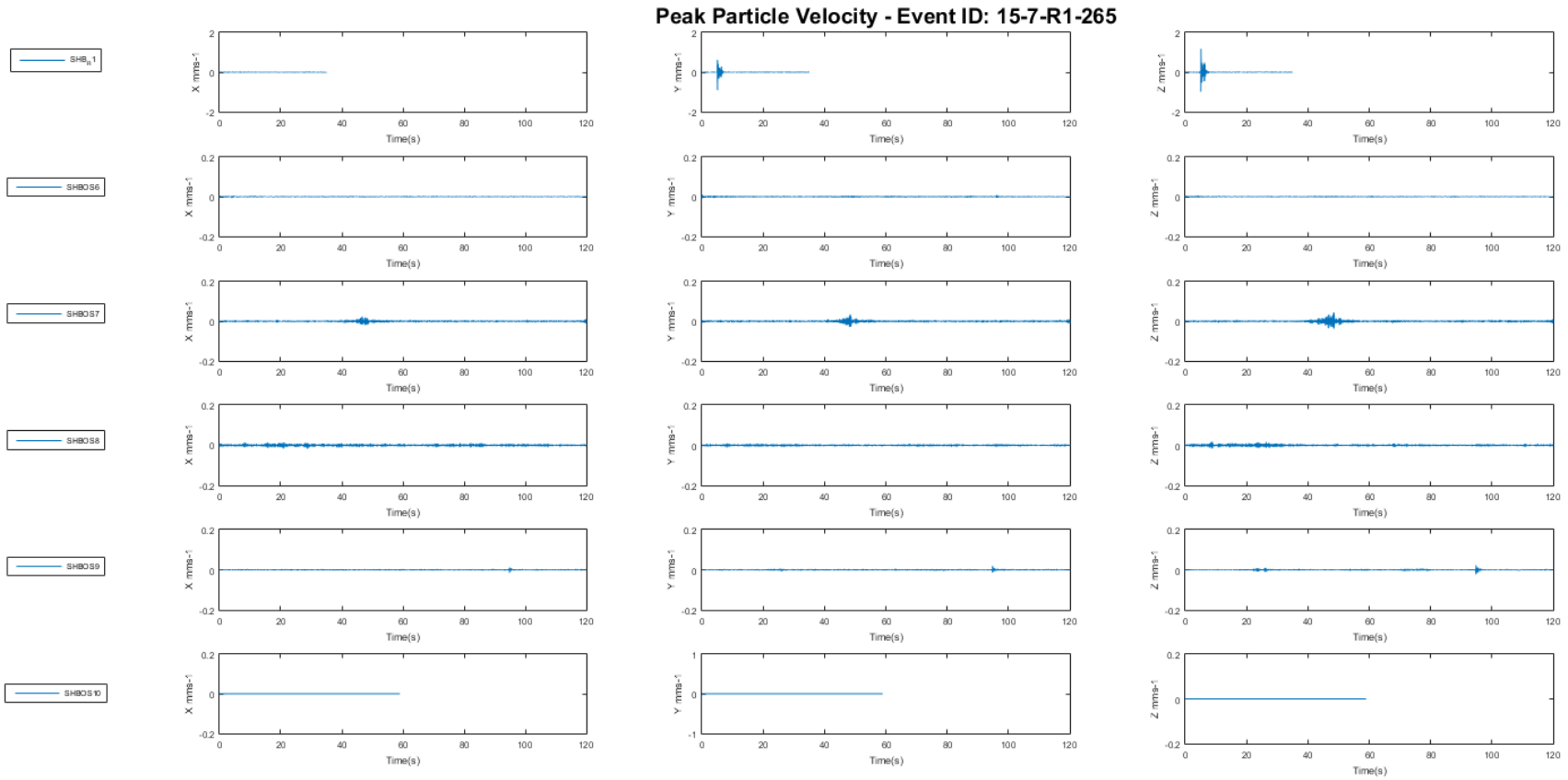


FIGURE 3.56: SHB_OS 6 - 10 15-7-R1-265

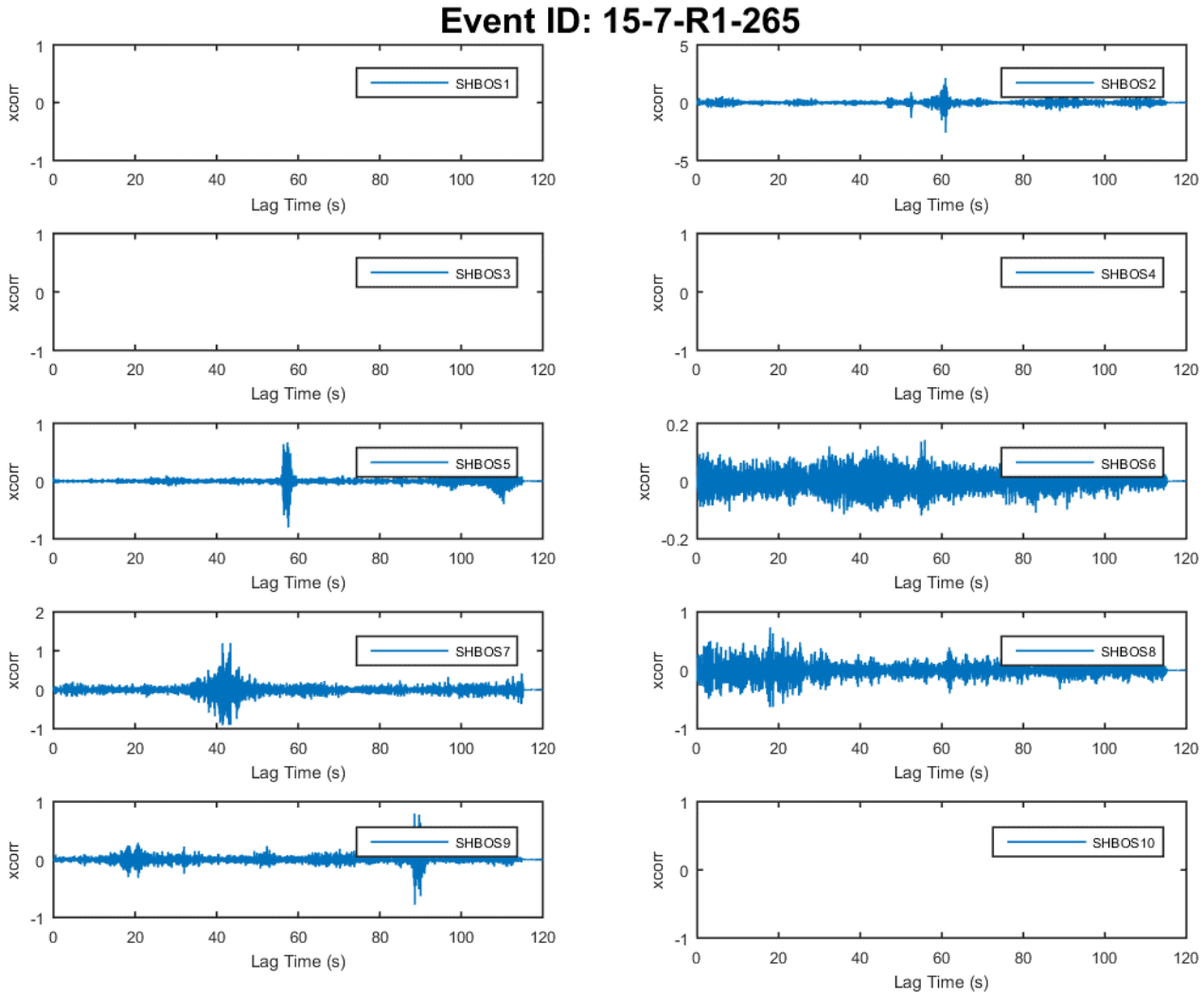


FIGURE 3.57: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-265

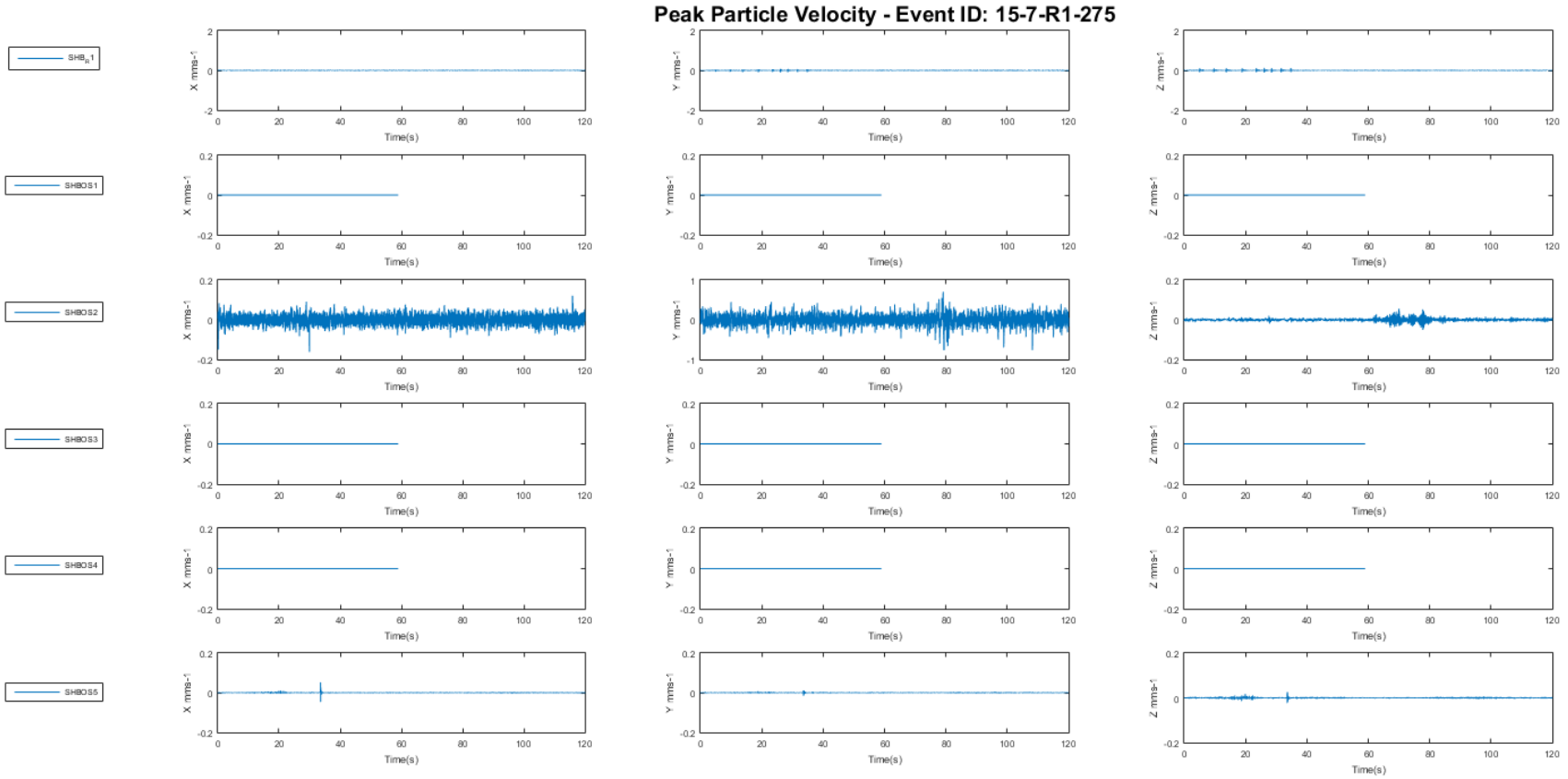


FIGURE 3.58: SHB_OS 1 - 5 15-7-R1-275

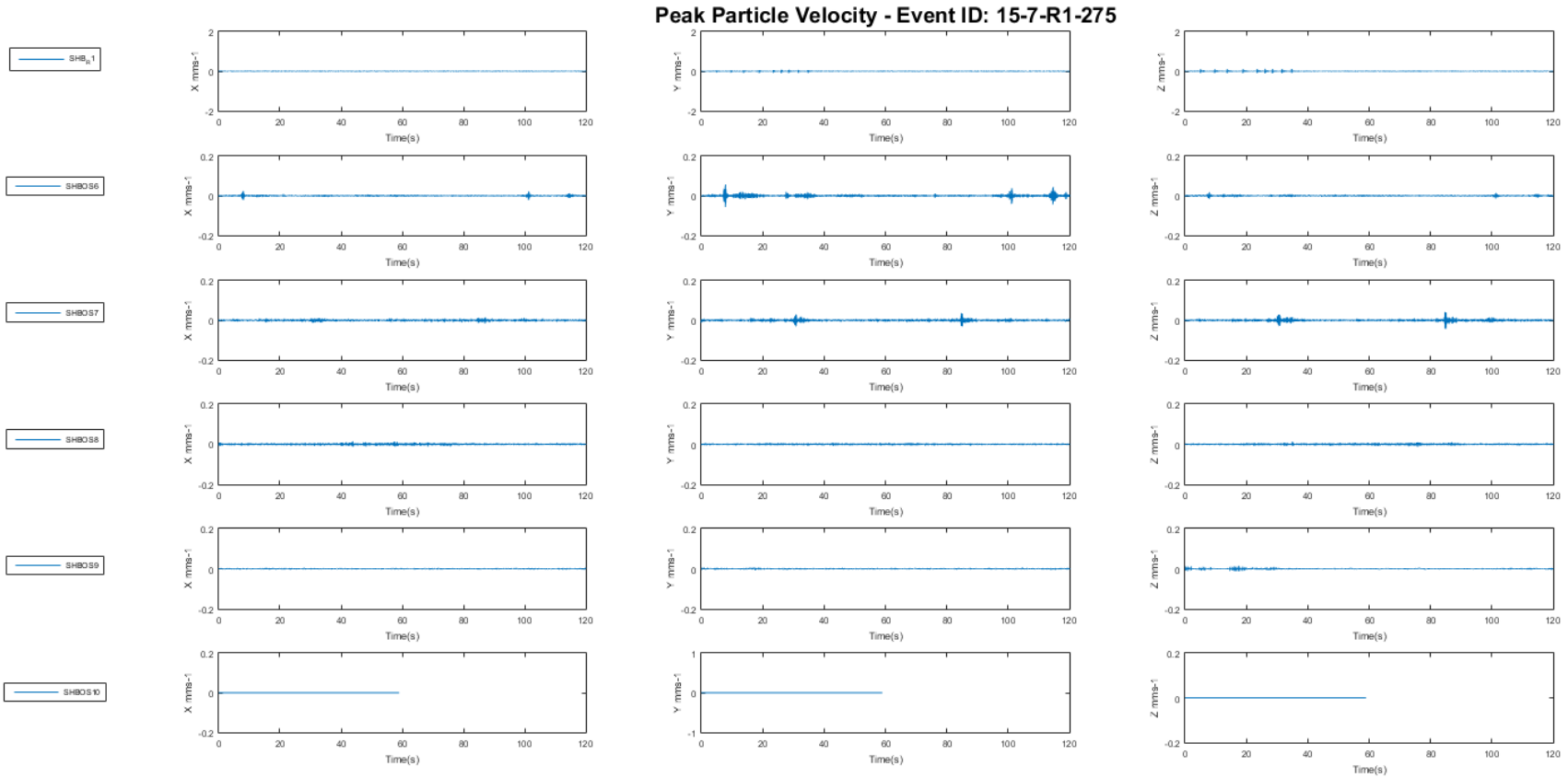


FIGURE 3.59: SHB_OS 6 - 10 15-7-R1-275

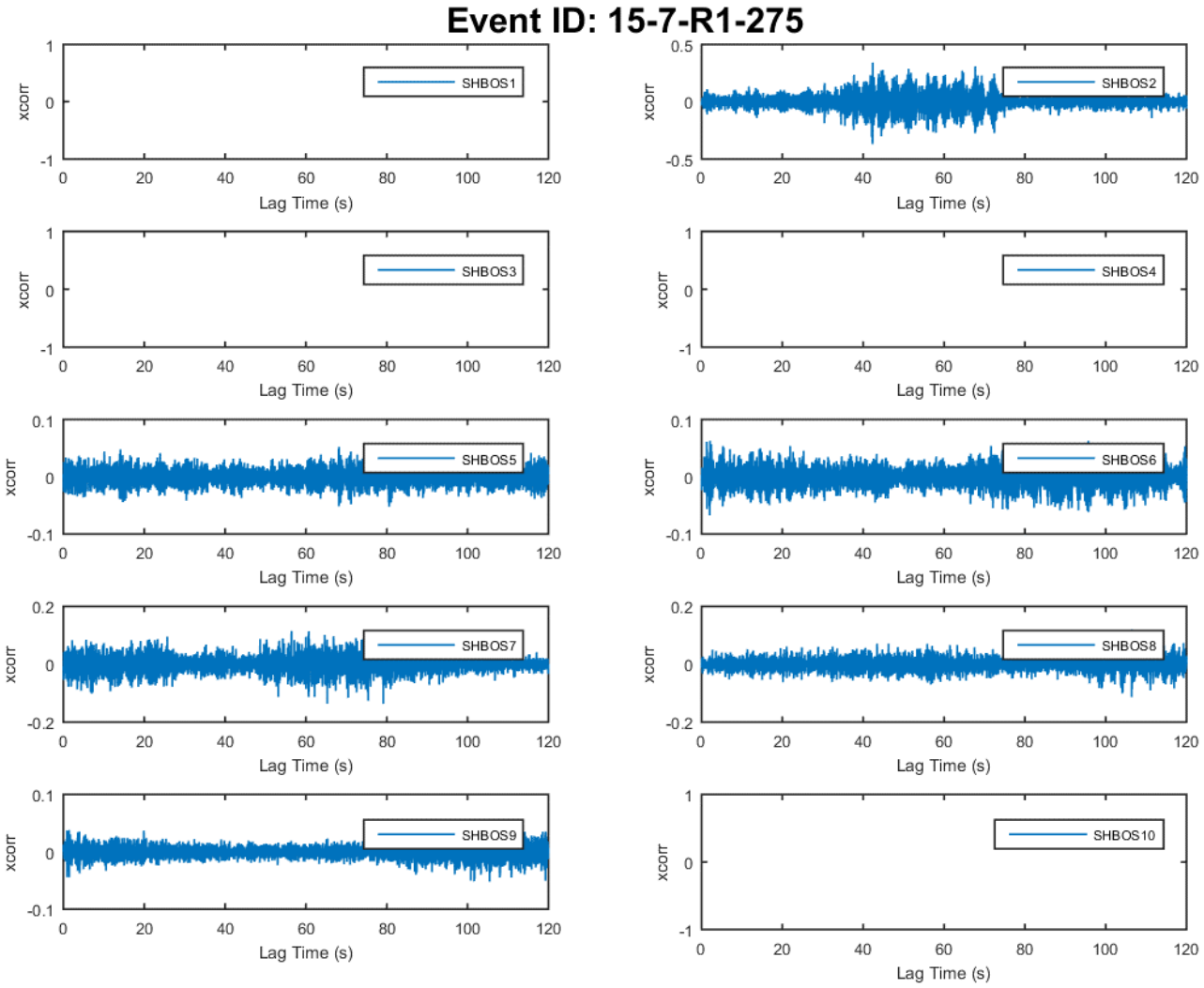


FIGURE 3.60: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-275

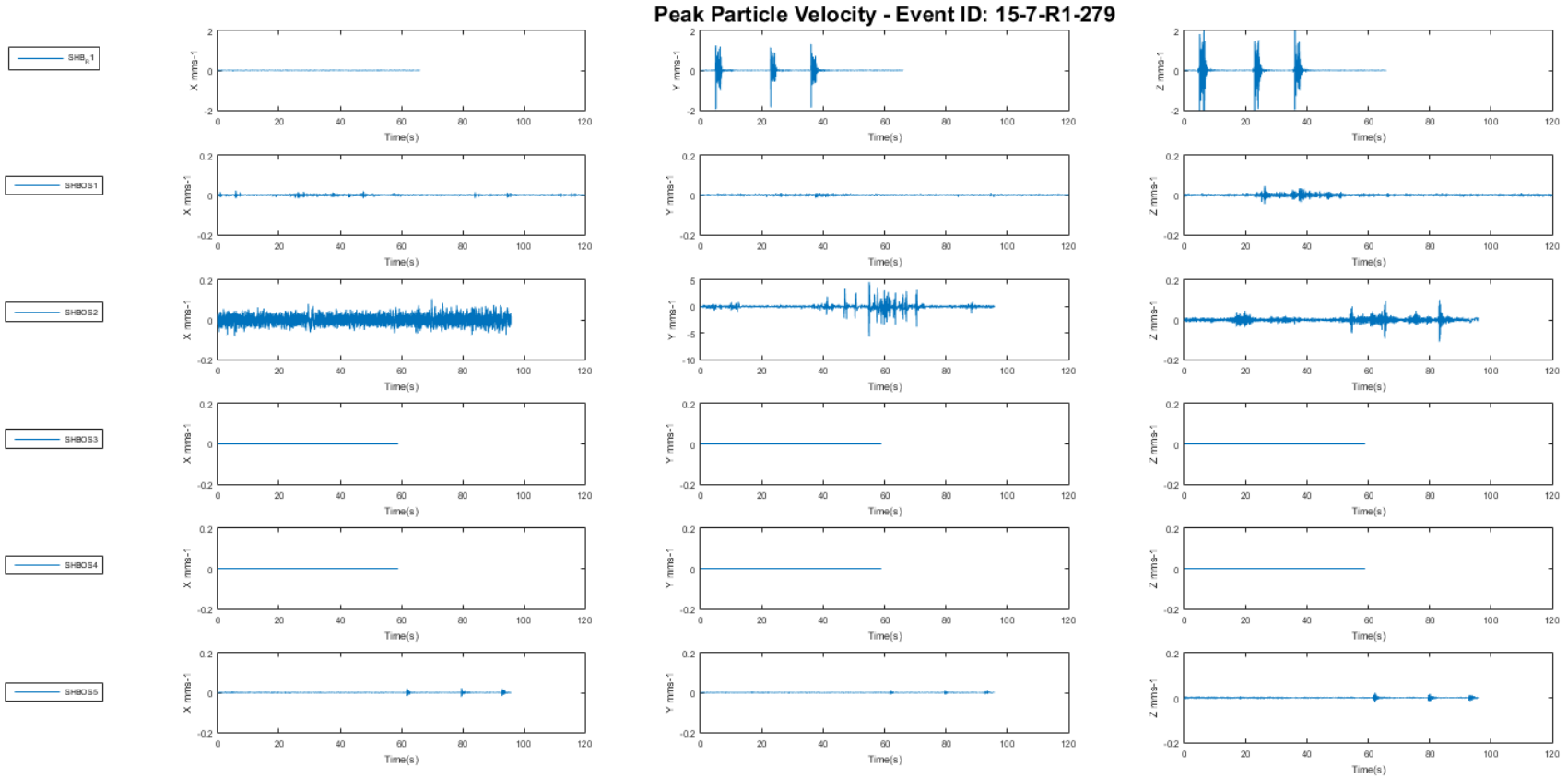


FIGURE 3.61: SHB_OS 1 - 5 15-7-R1-279

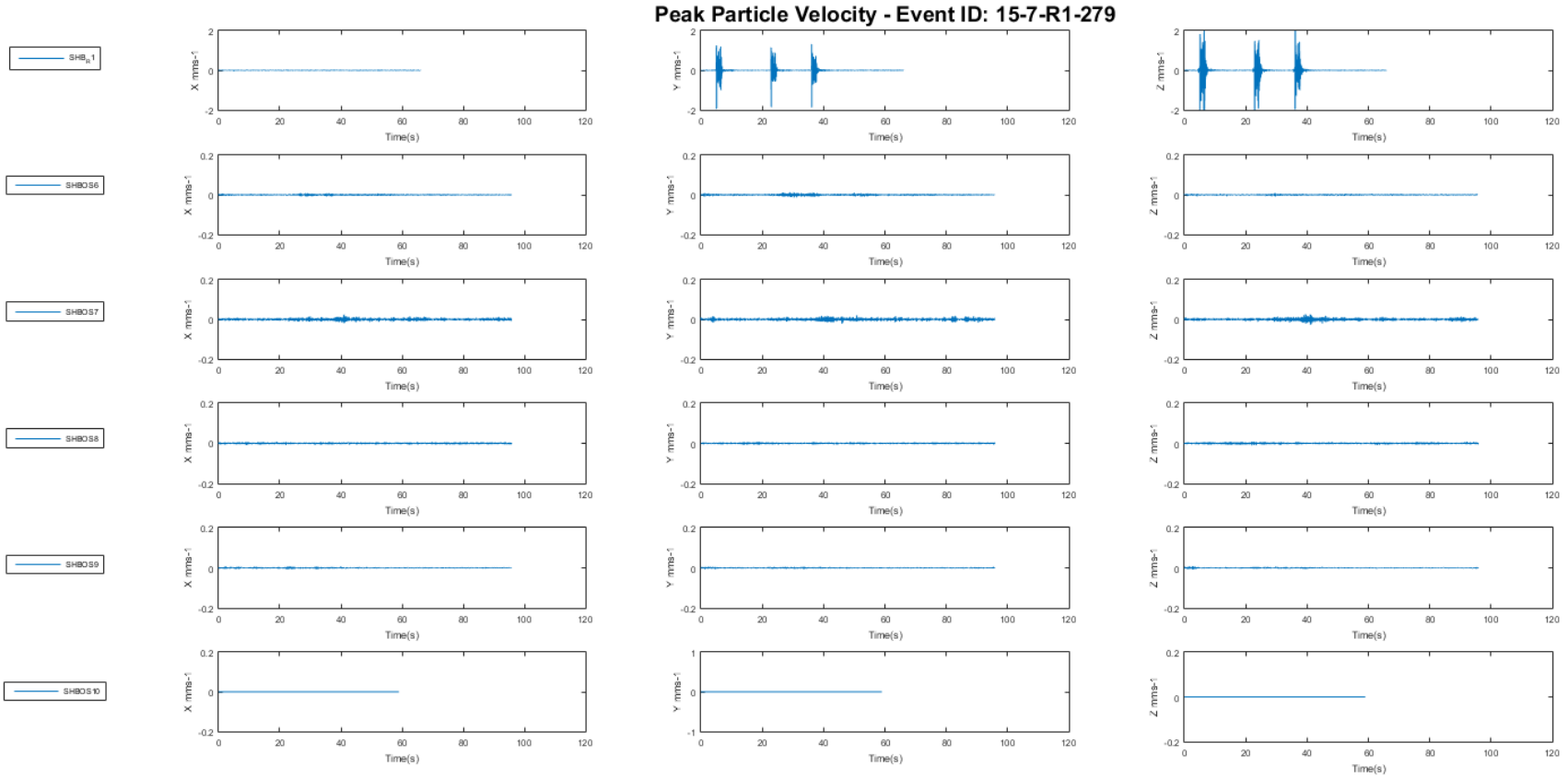


FIGURE 3.62: SHB_OS 6 - 10 15-7-R1-279

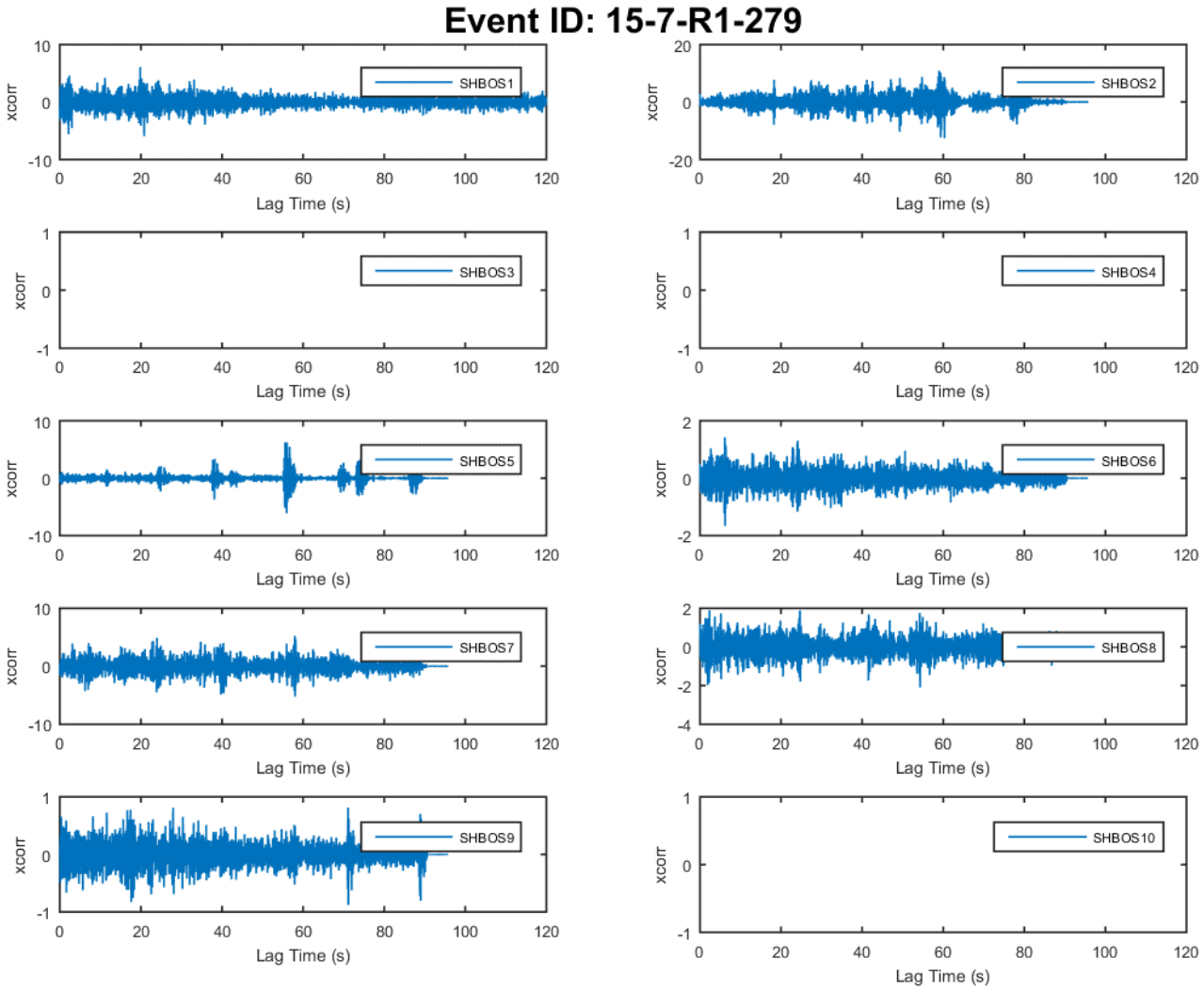


FIGURE 3.63: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-279

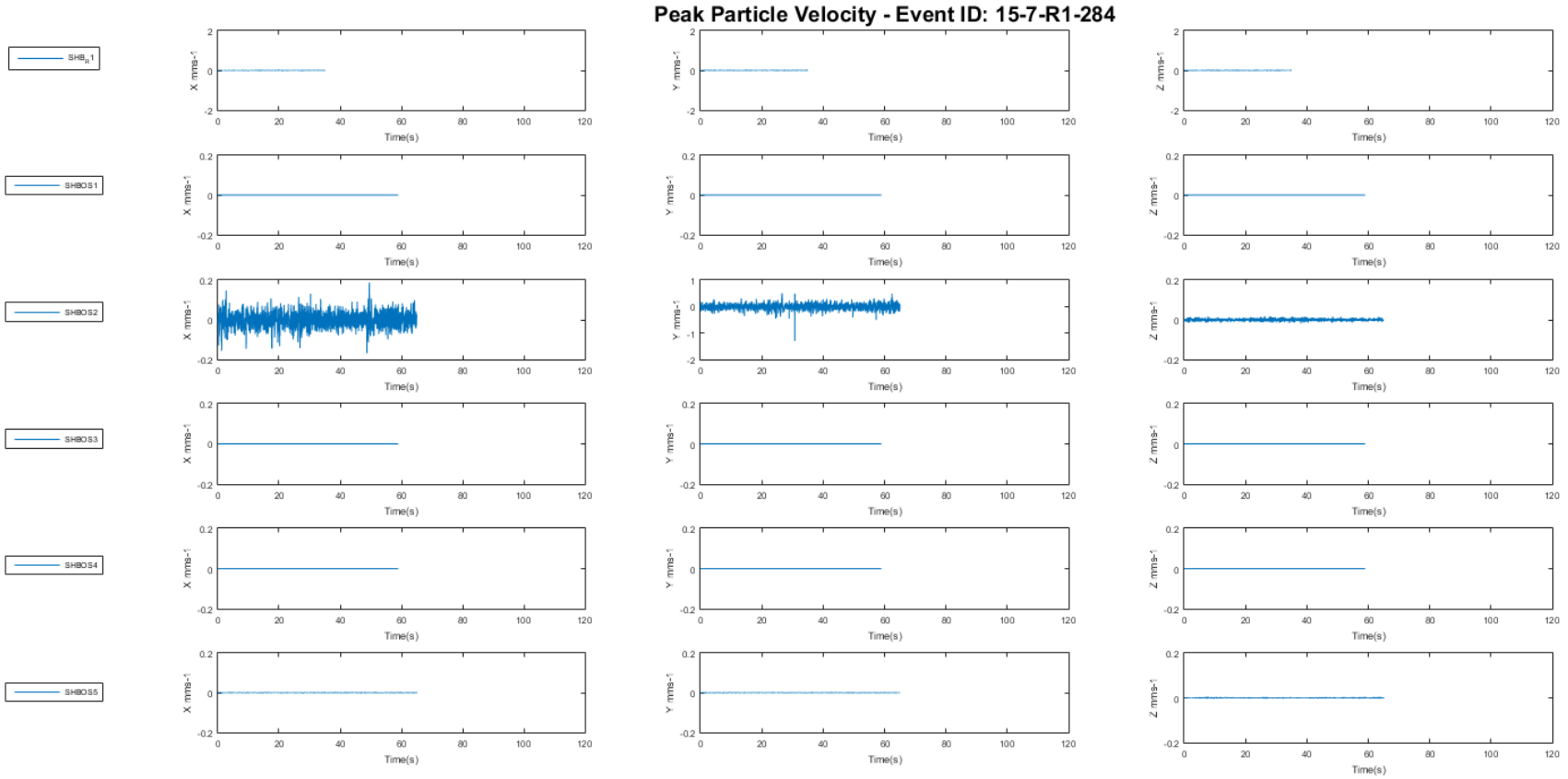


FIGURE 3.64: SHB_OS 1 - 5 15-7-R1-284

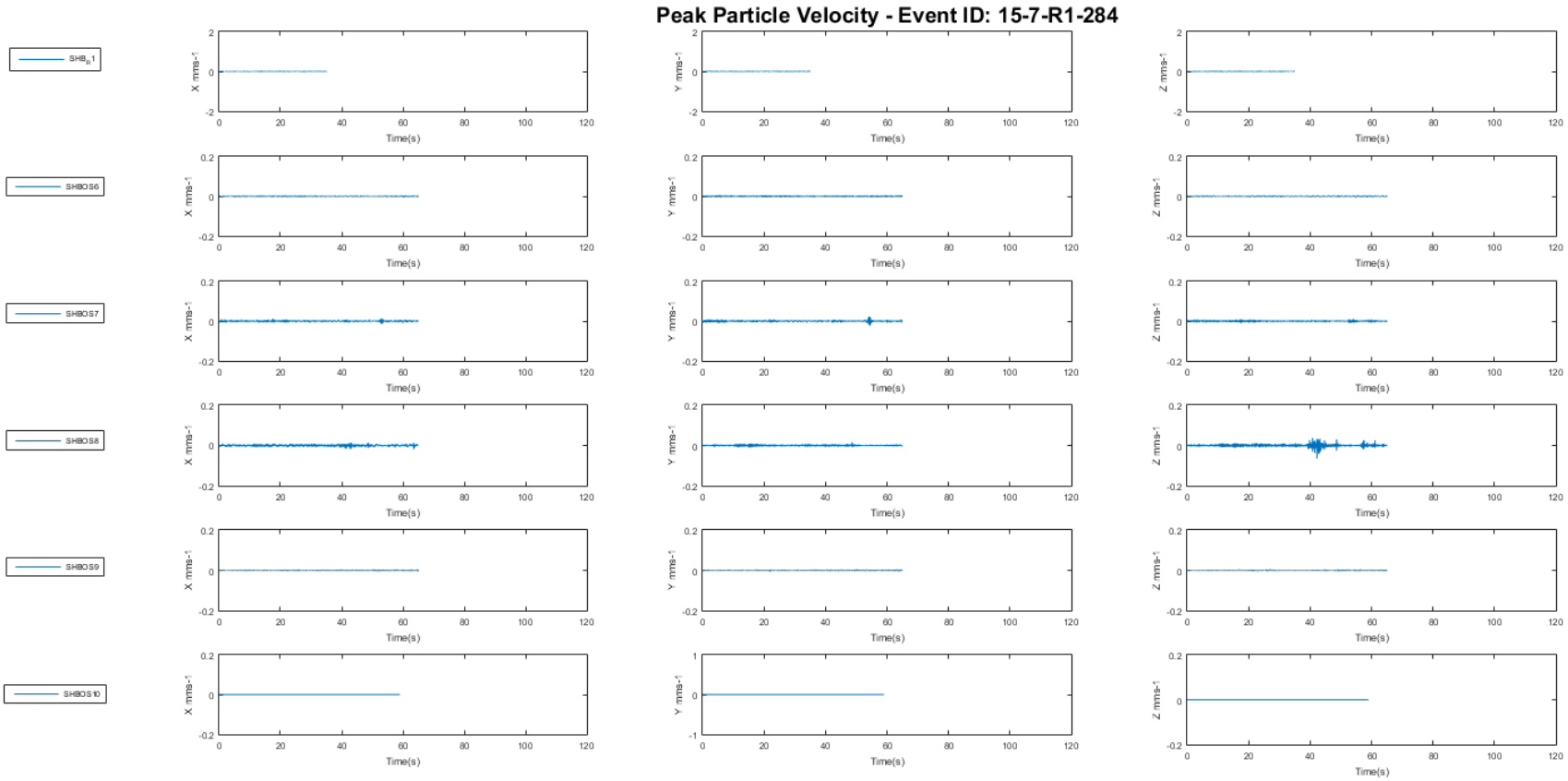


FIGURE 3.65: SHB_OS 6 - 10 15-7-R1-284

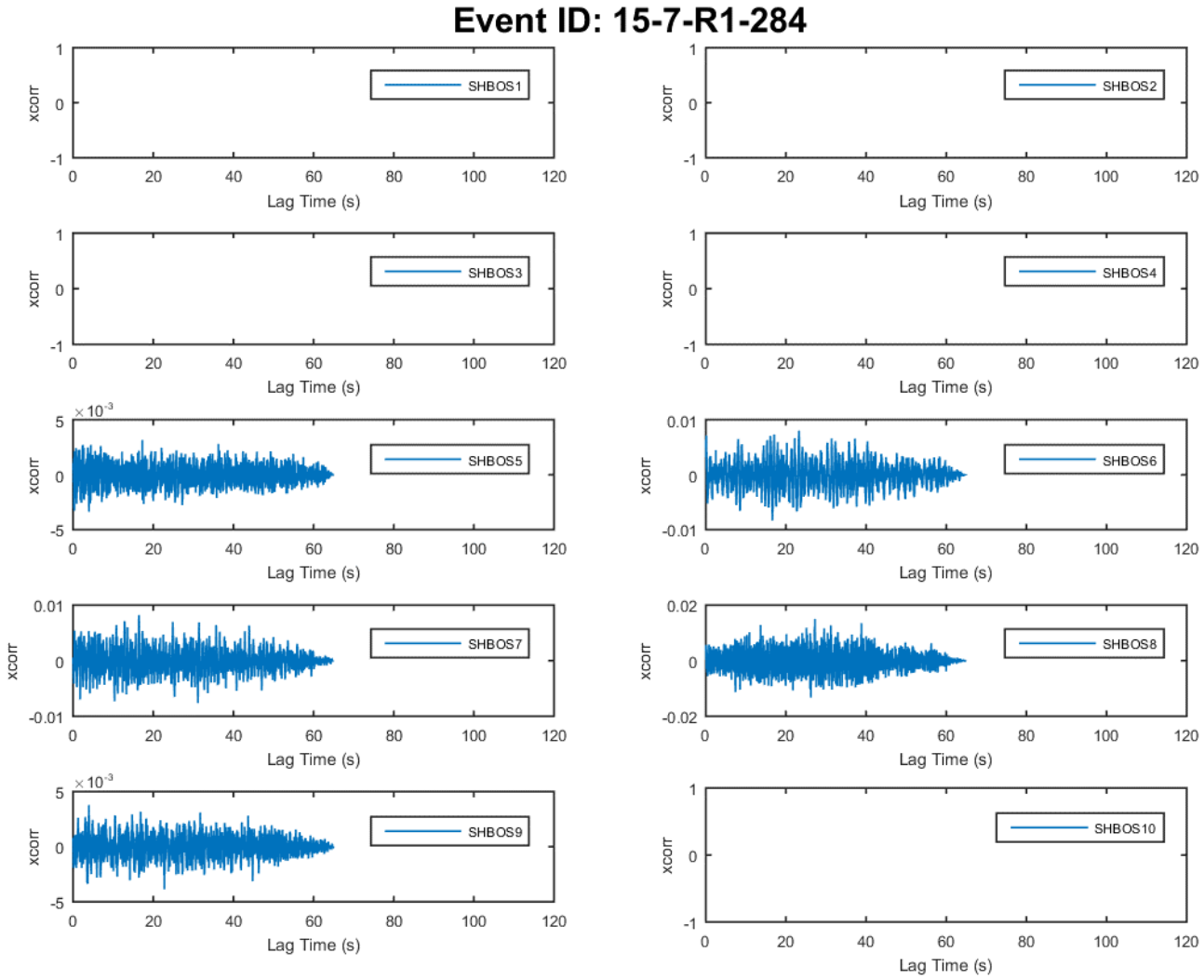


FIGURE 3.66: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-284

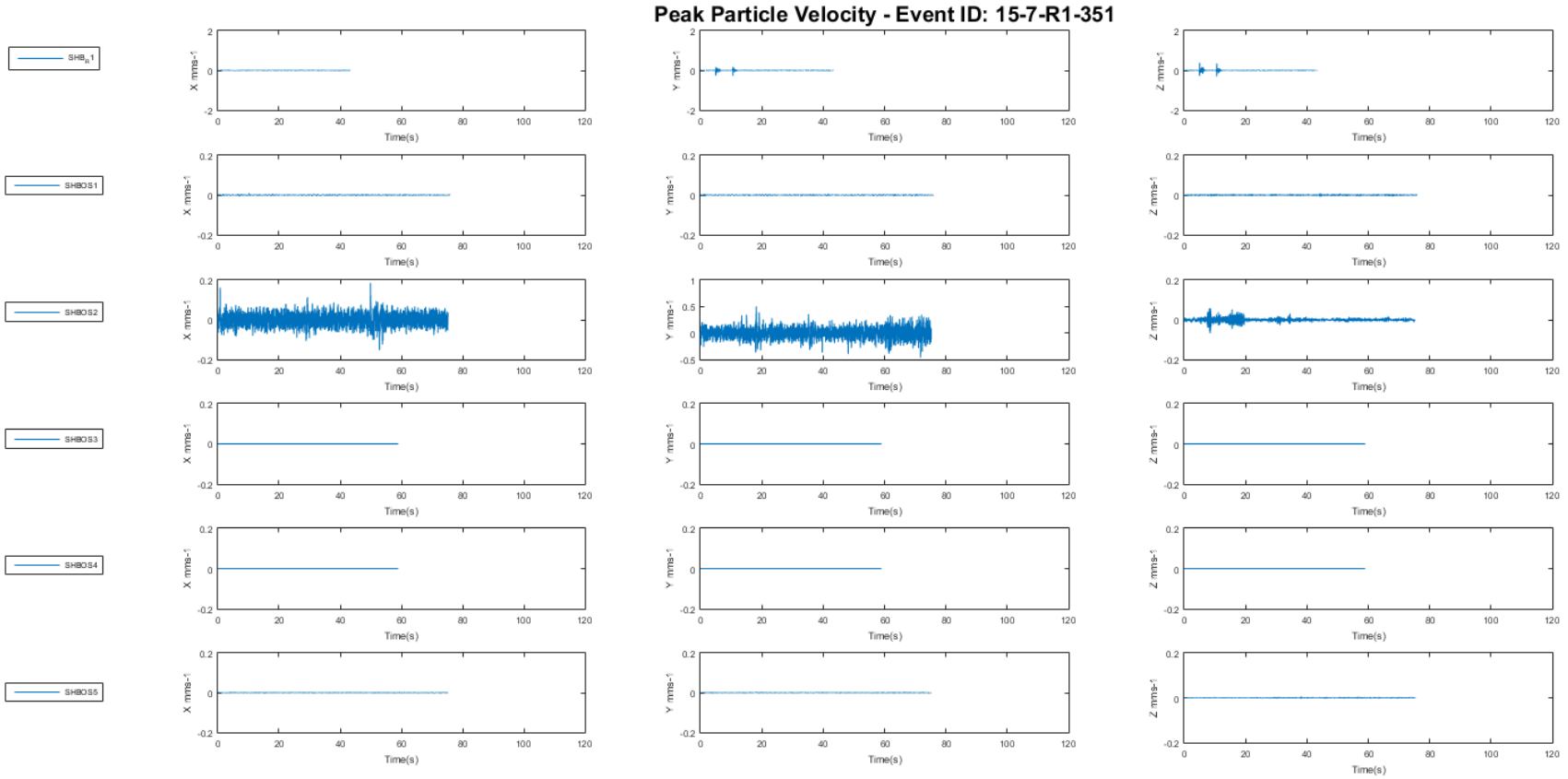


FIGURE 3.67: SHB_OS 1 - 5 15-7-R1-351

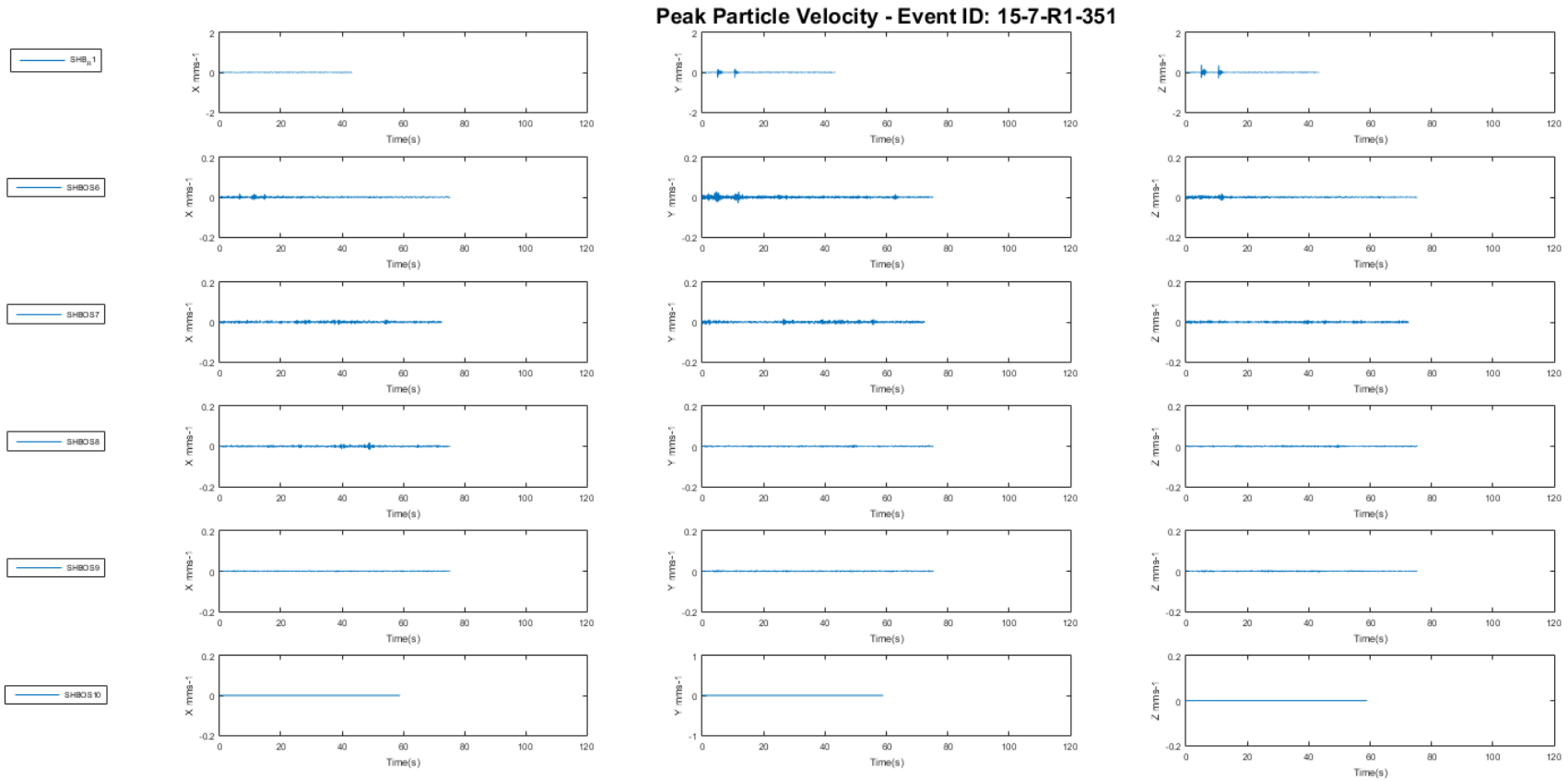


FIGURE 3.68: SHB_OS 6 - 10 15-7-R1-351

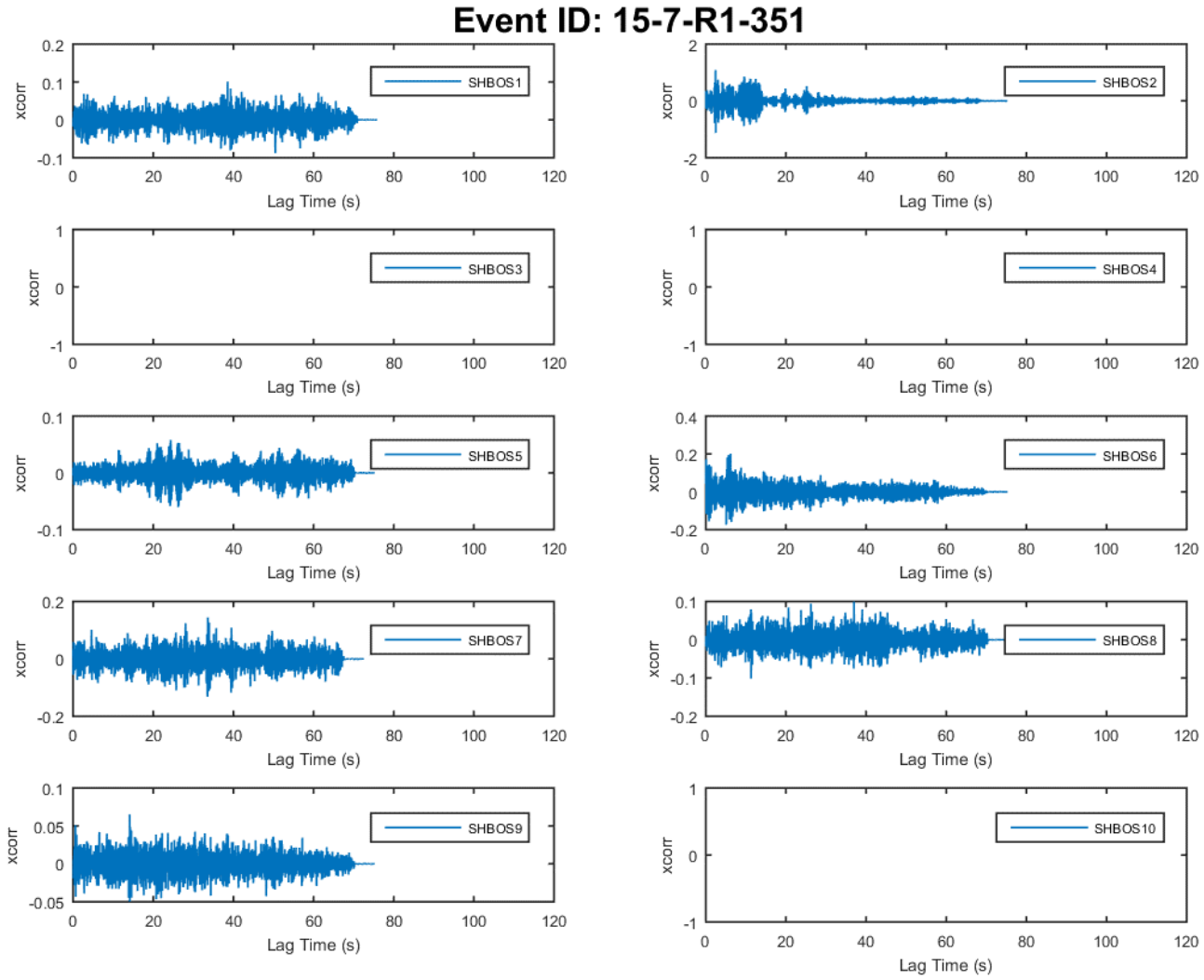


FIGURE 3.69: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-351

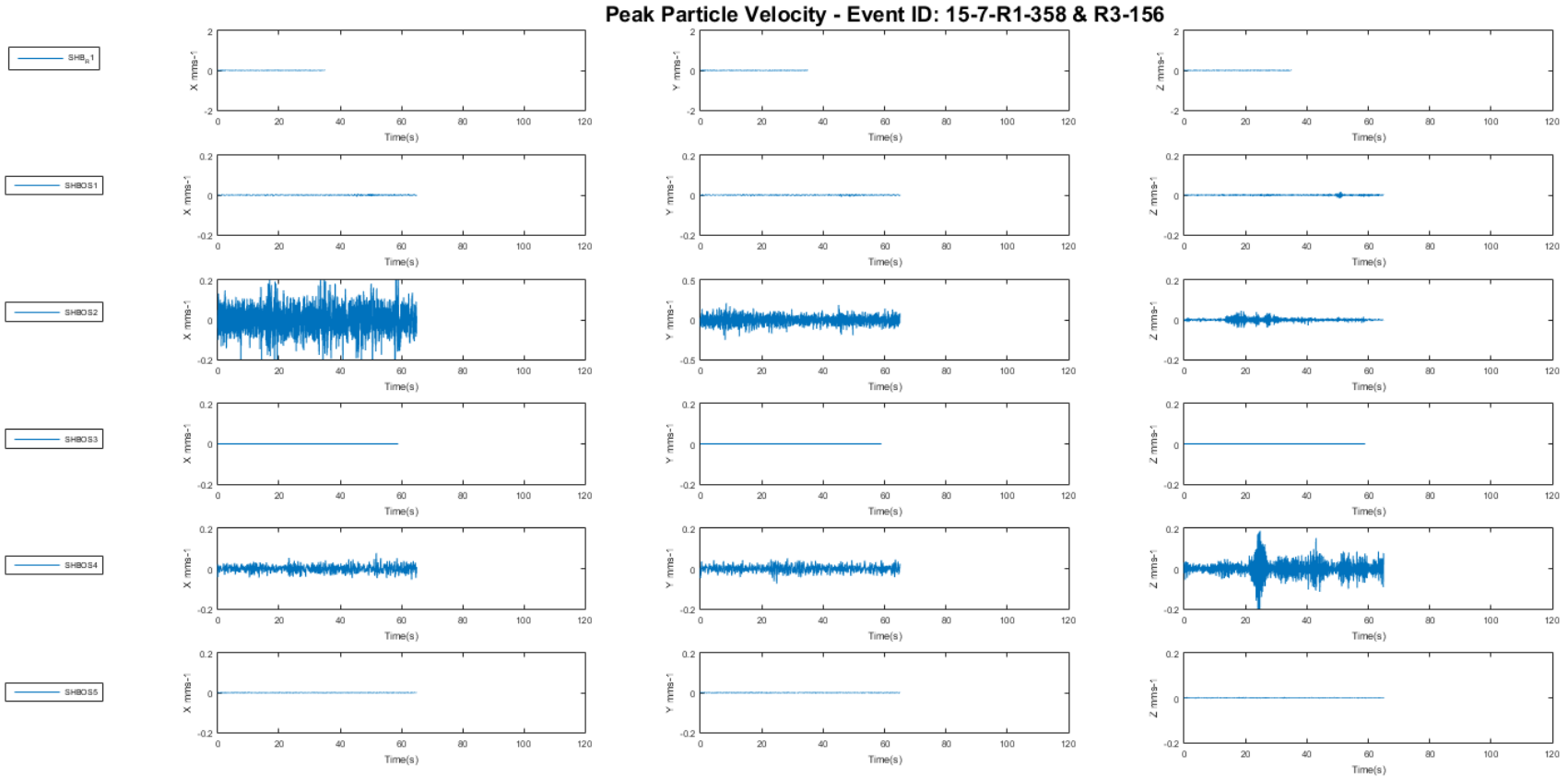


FIGURE 3.70: SHB_OS 1 - 5 15-7-R1-358 & R3-156

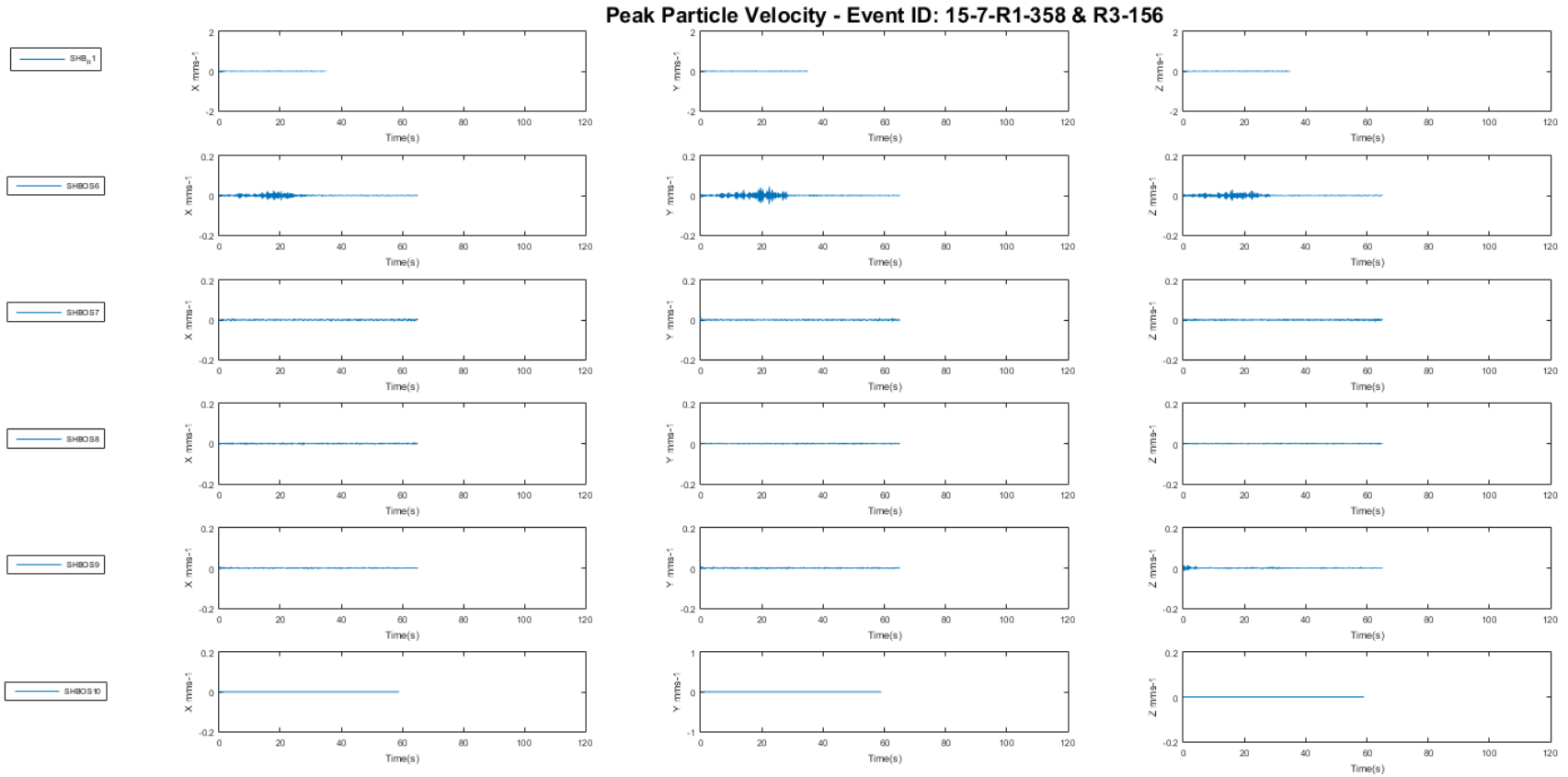


FIGURE 3.71: SHB_OS 6 - 10 15-7-R1-358 & R3-156

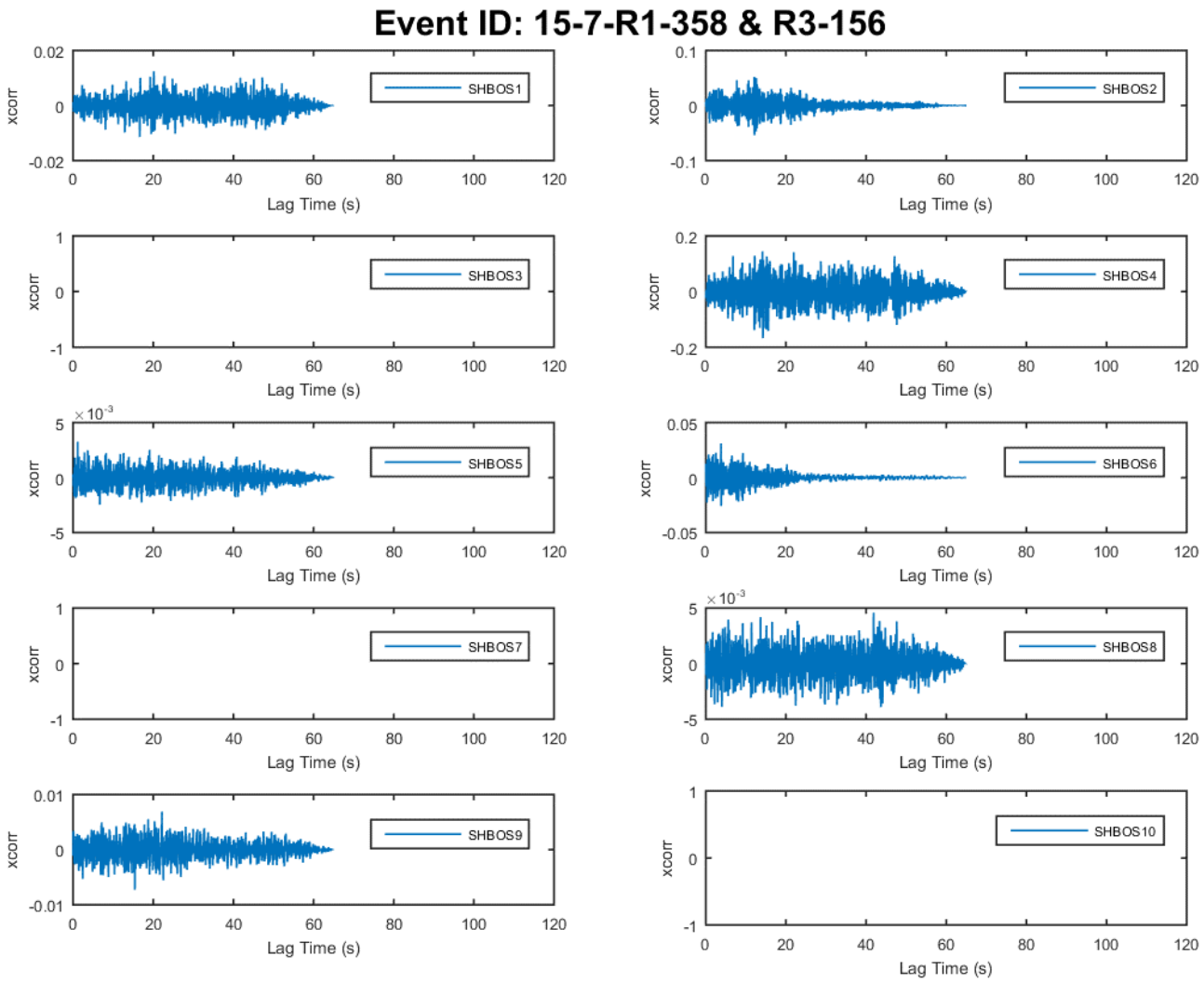


FIGURE 3.72: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-358 & R3-156

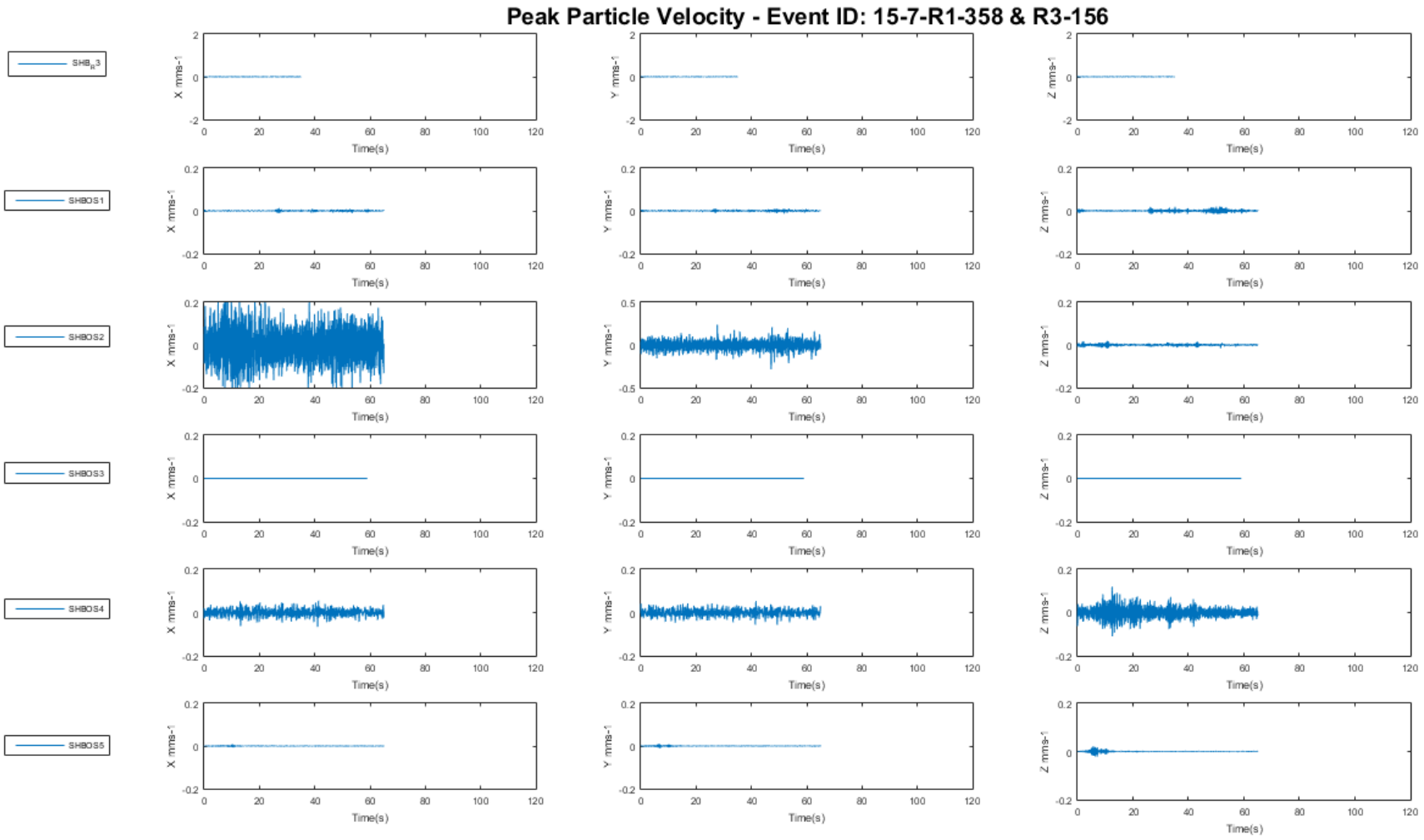


FIGURE 3.73: SHB_OS 1 - 5 15-7-R1-358 & R3-156

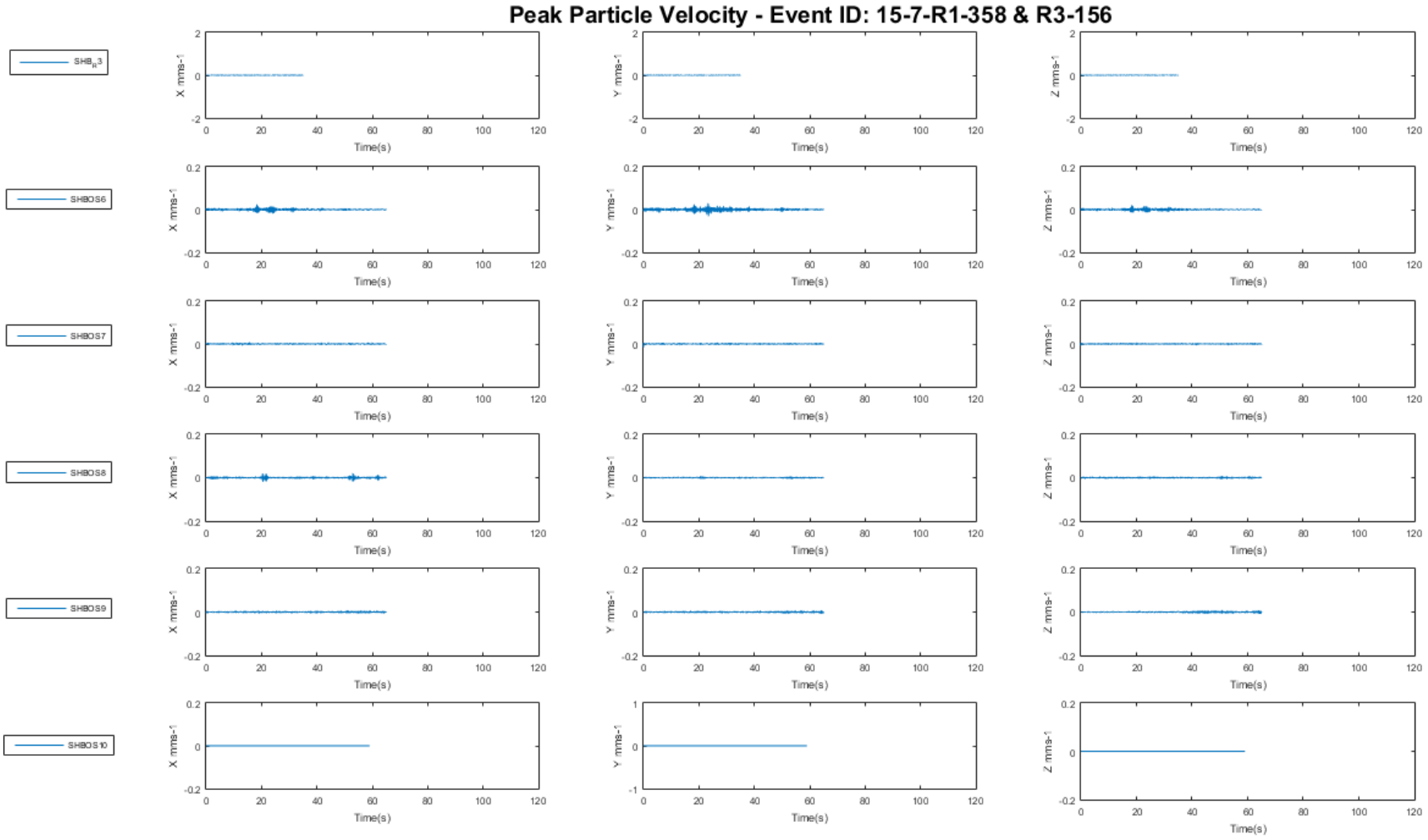


FIGURE 3.74: SHB_OS 6 - 10 15-7-R1-358 & R3-156

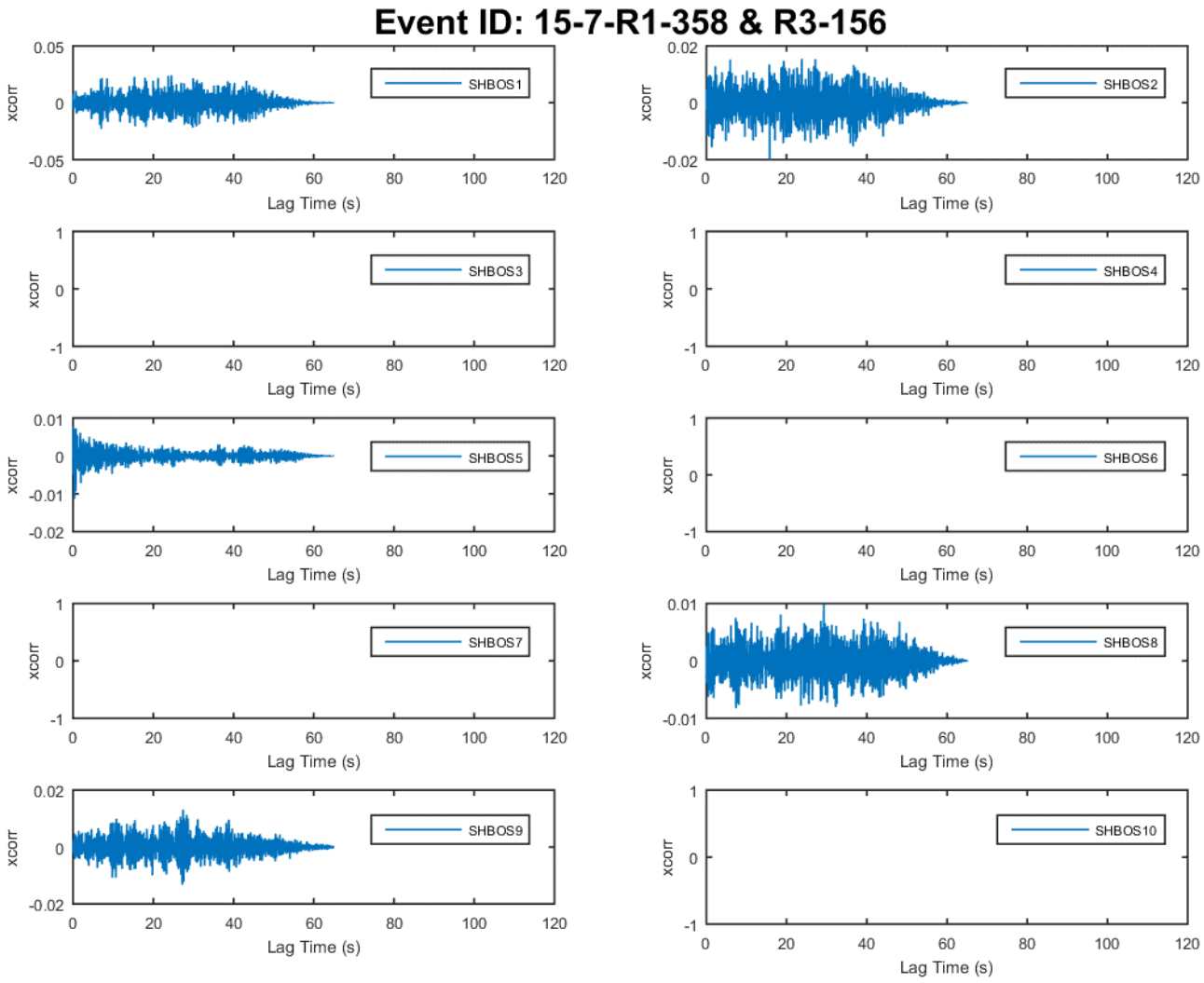


FIGURE 3.75: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-358 & R3-156

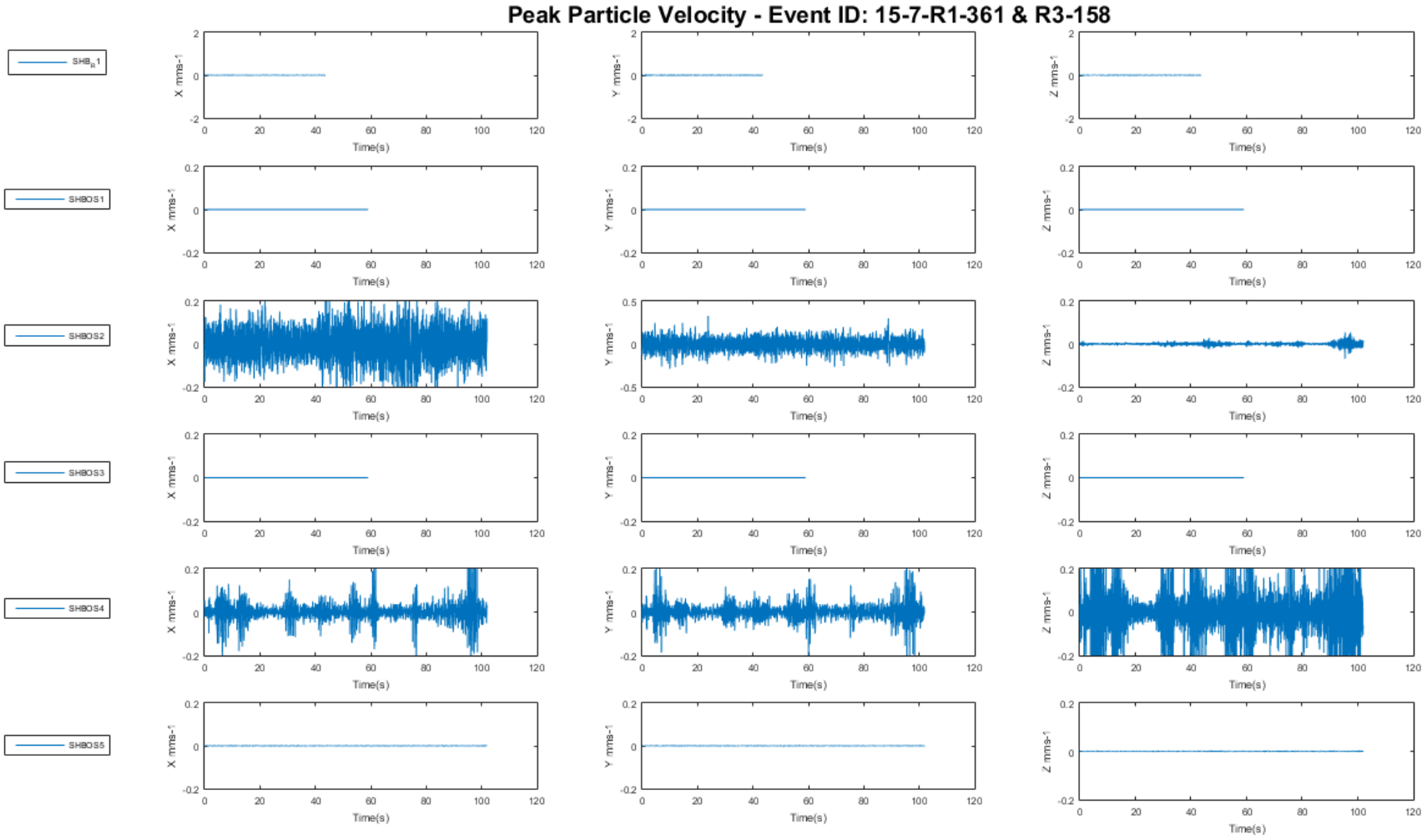


FIGURE 3.76: SHB_OS 1 - 5 15-7-R1-361 & R3-158

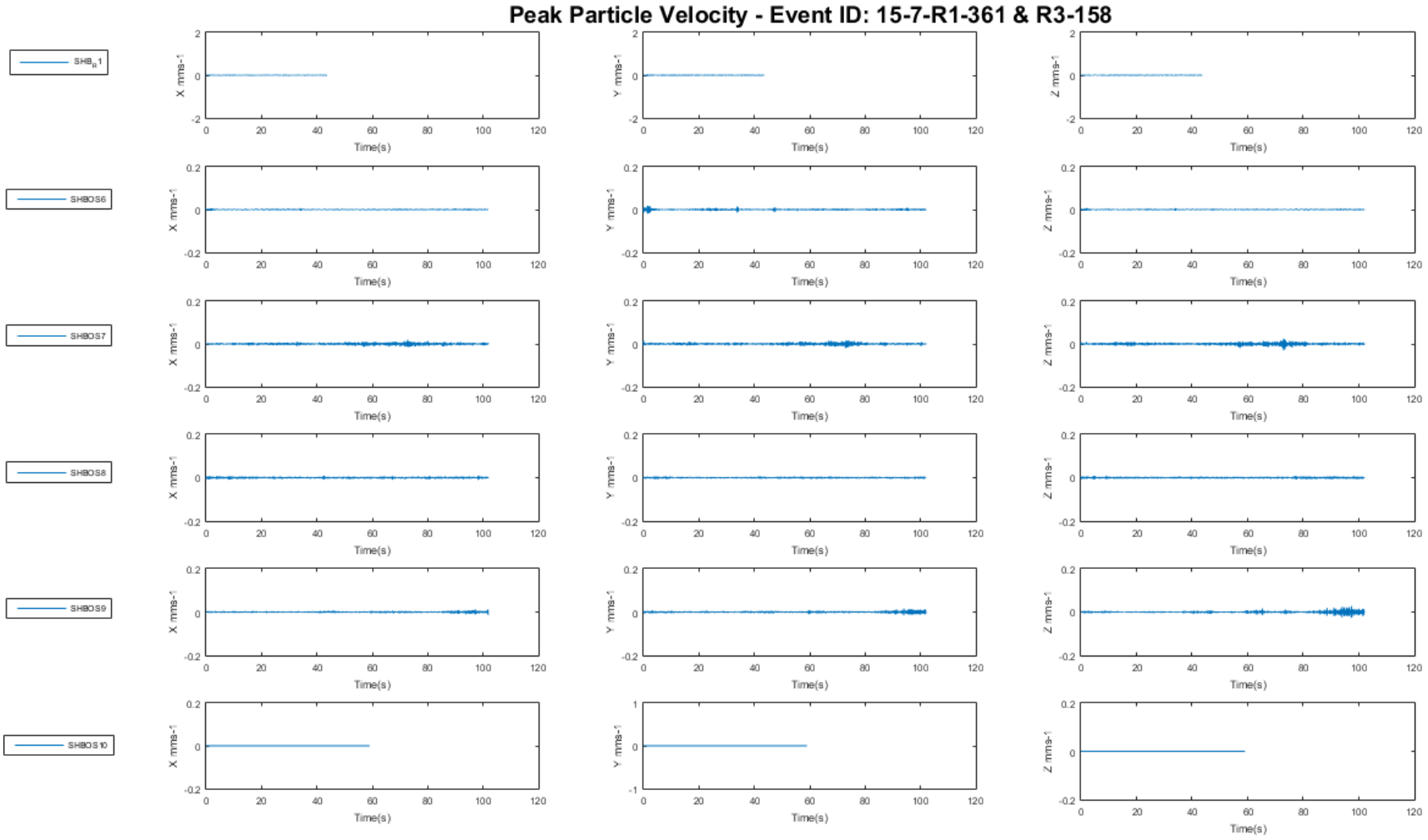


FIGURE 3.77: SHB_OS 6 - 10 15-7-R1-361 & R3-158

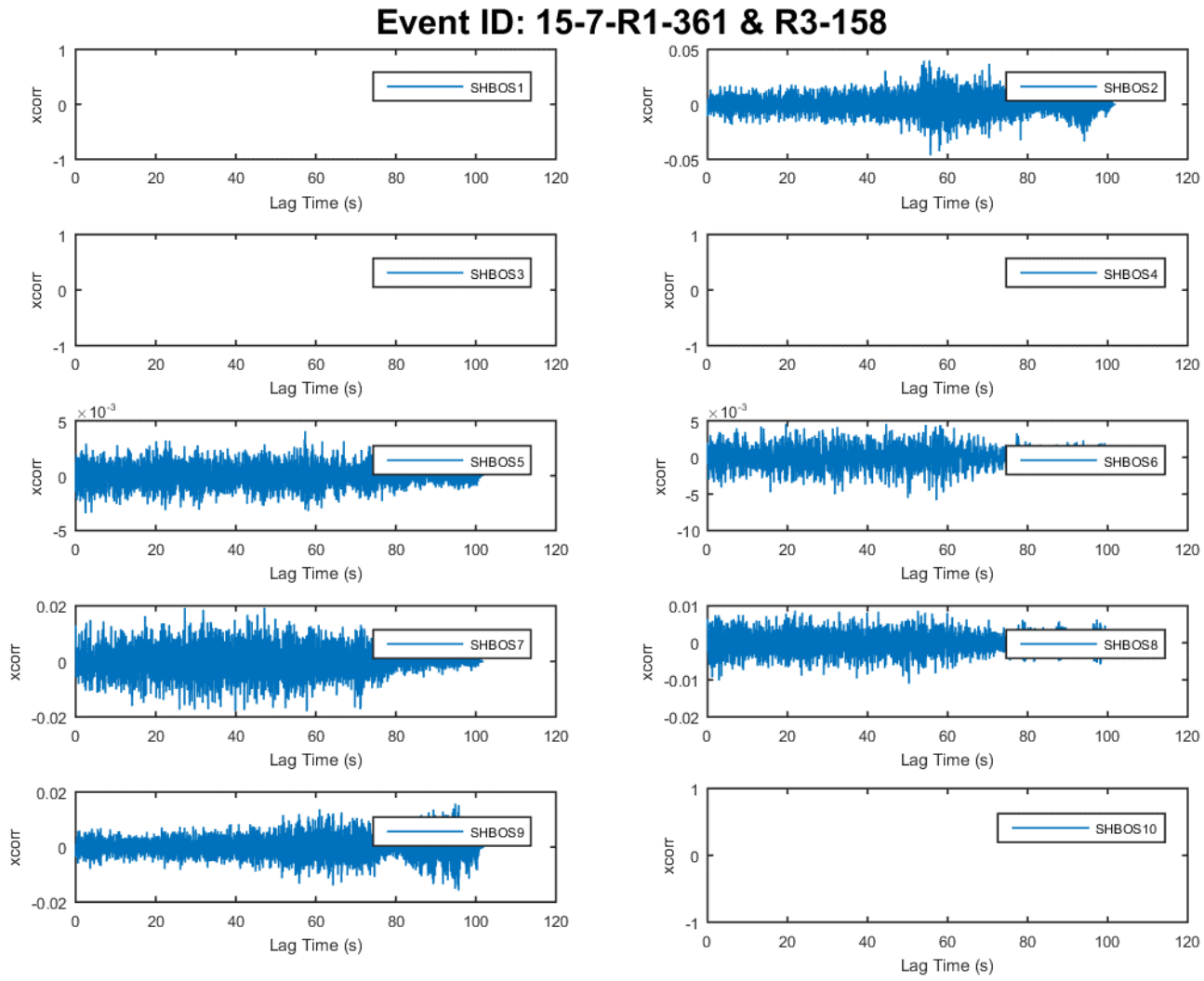


FIGURE 3.78: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-361 & R3-158

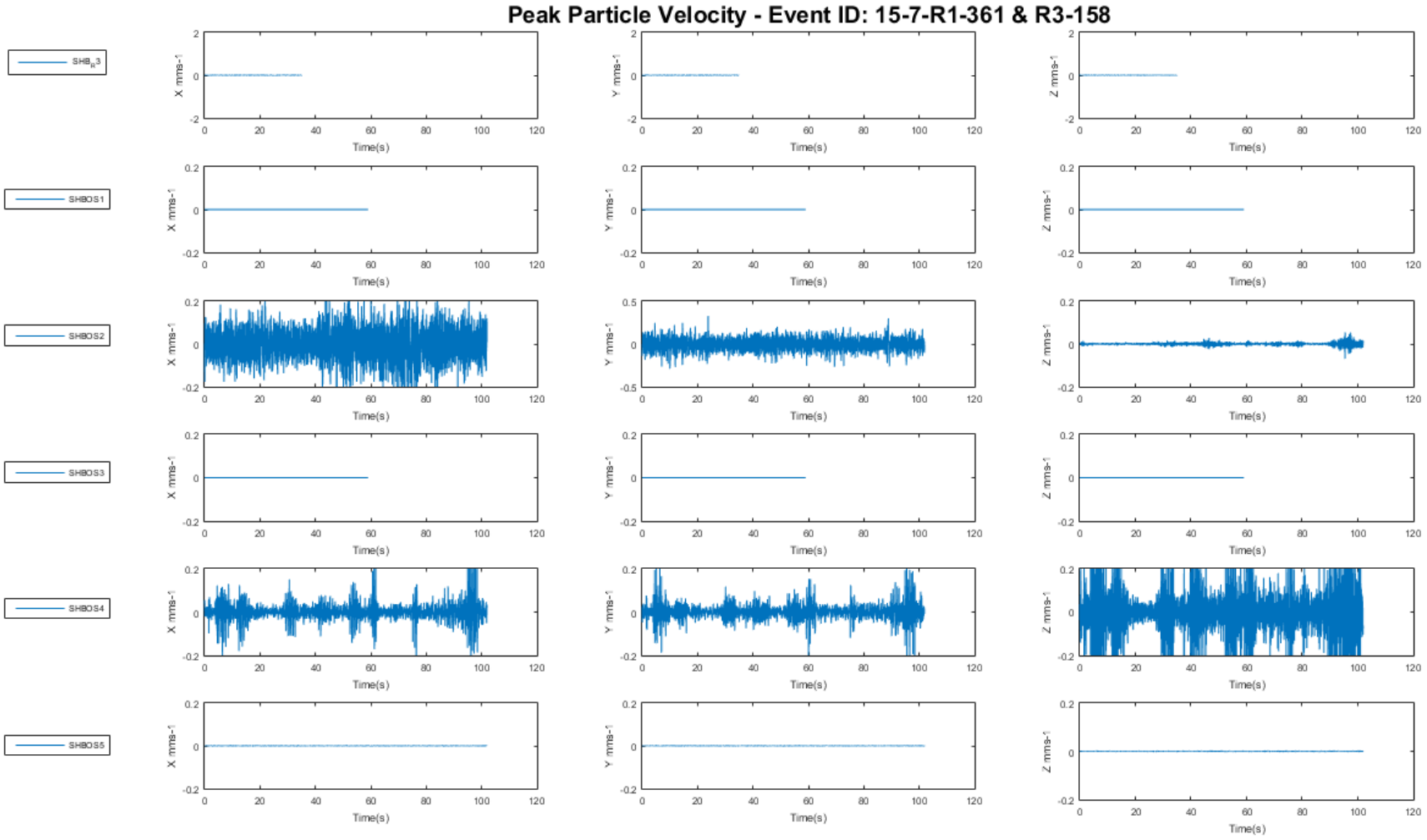


FIGURE 3.79: SHB_OS 1 - 5 15-7-R1-361 & R3-158

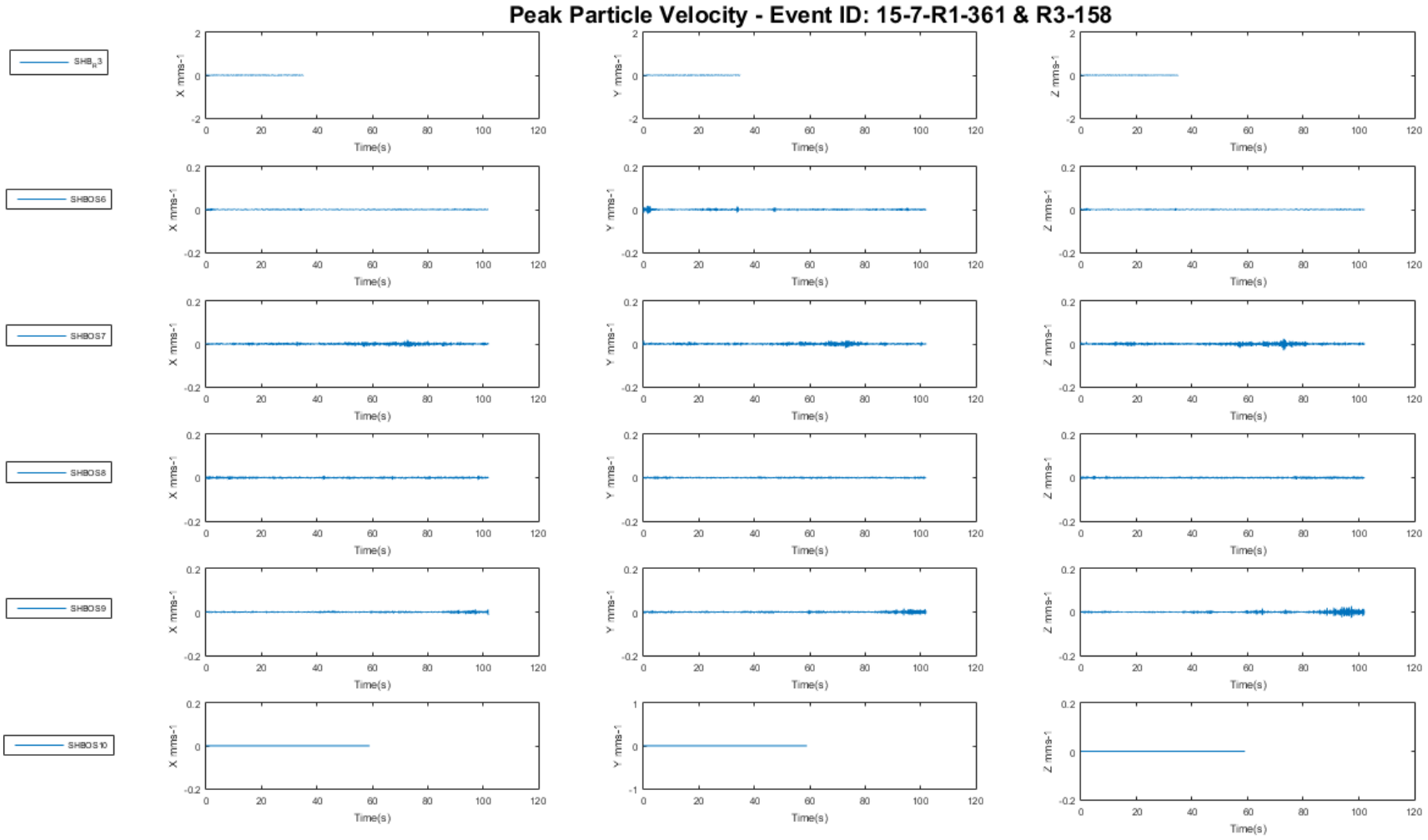


FIGURE 3.80: SHB_OS 6 - 10 15-7-R1-361 & R3-158

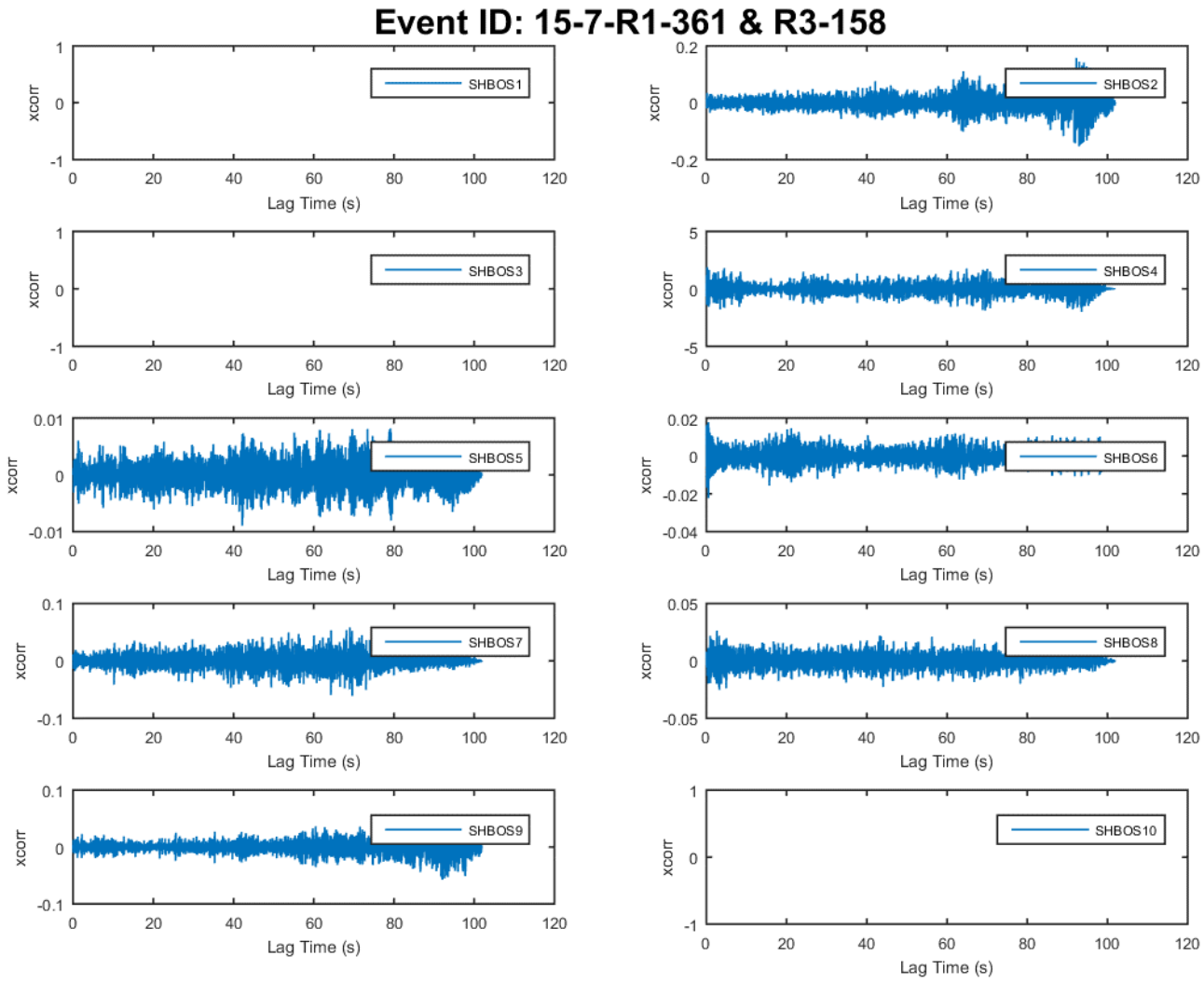


FIGURE 3.81: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-361 & R3-158

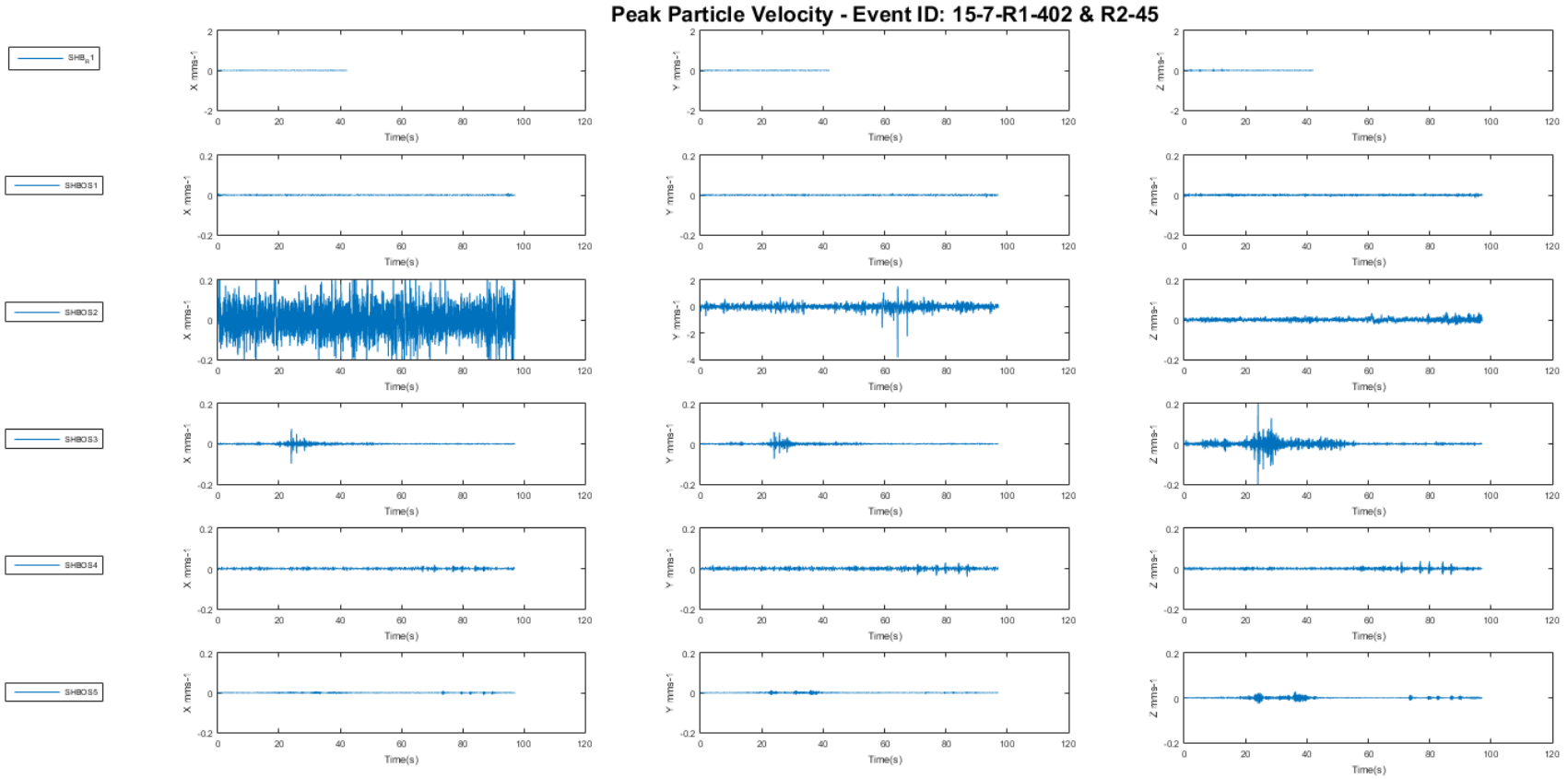


FIGURE 3.82: SHB_OS 1 - 5 15-7-R1-402 & R2-45

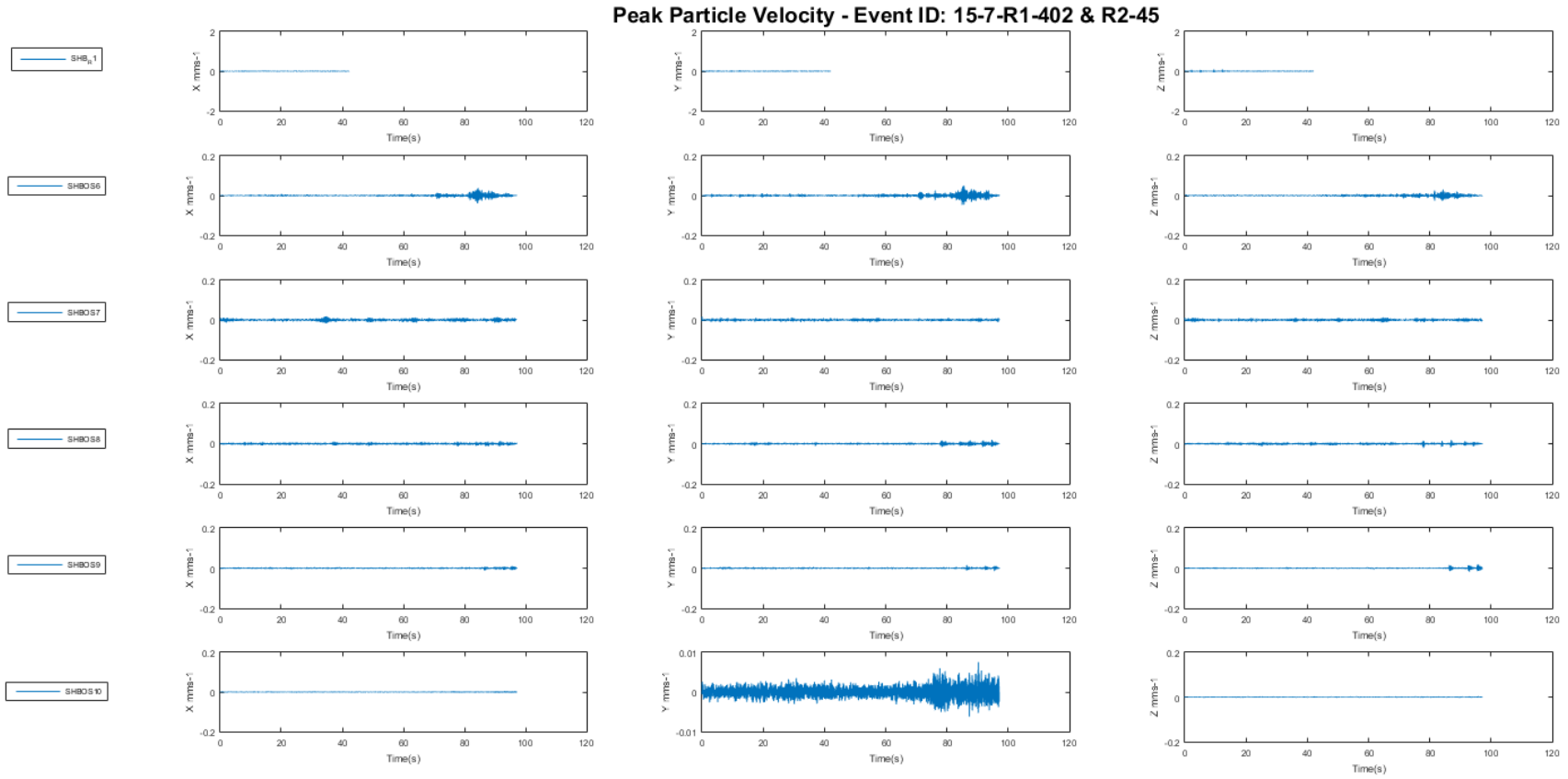


FIGURE 3.83: SHB_OS 6 - 10 15-7-R1-402 & R2-45

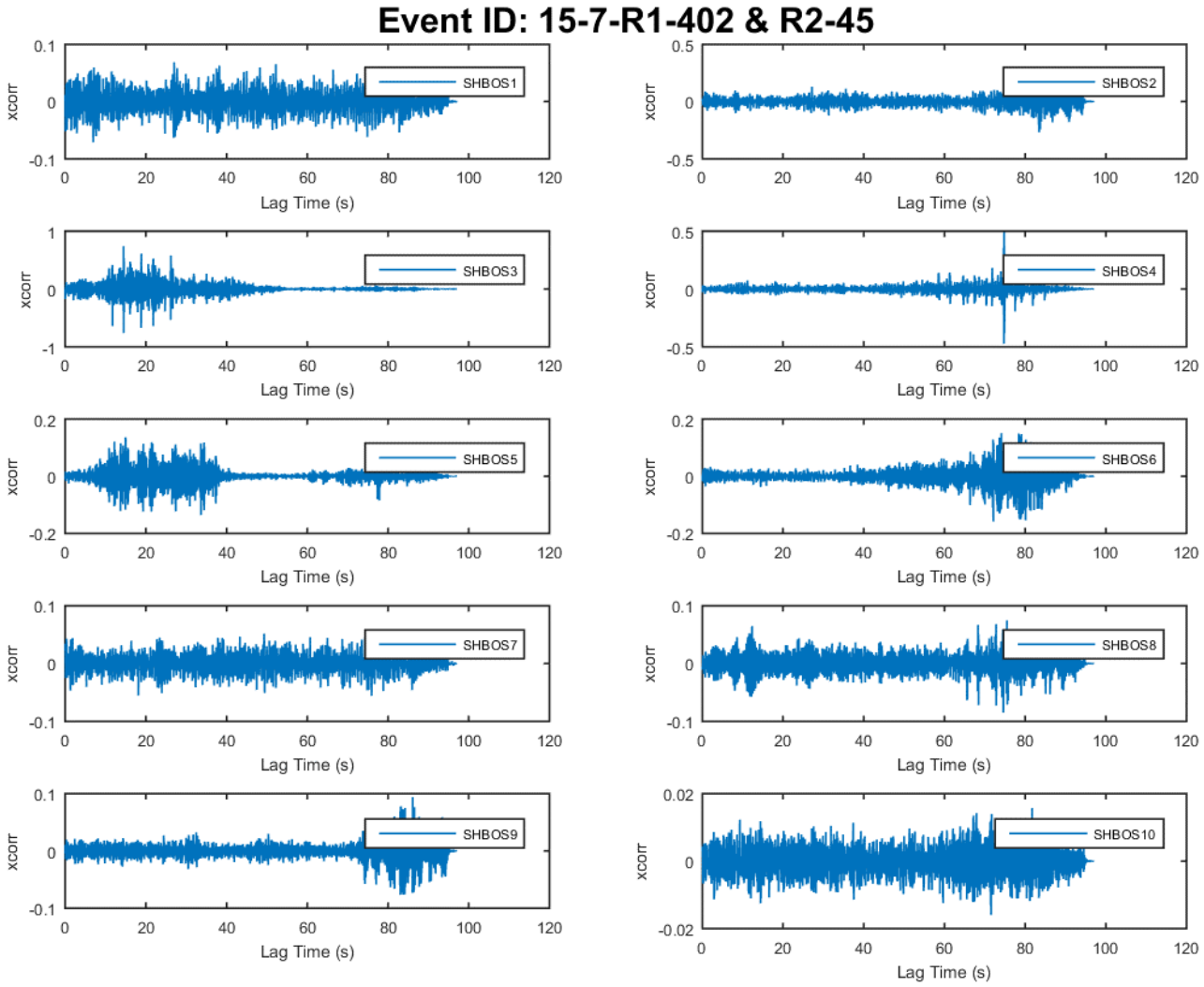


FIGURE 3.84: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-402 & R2-45

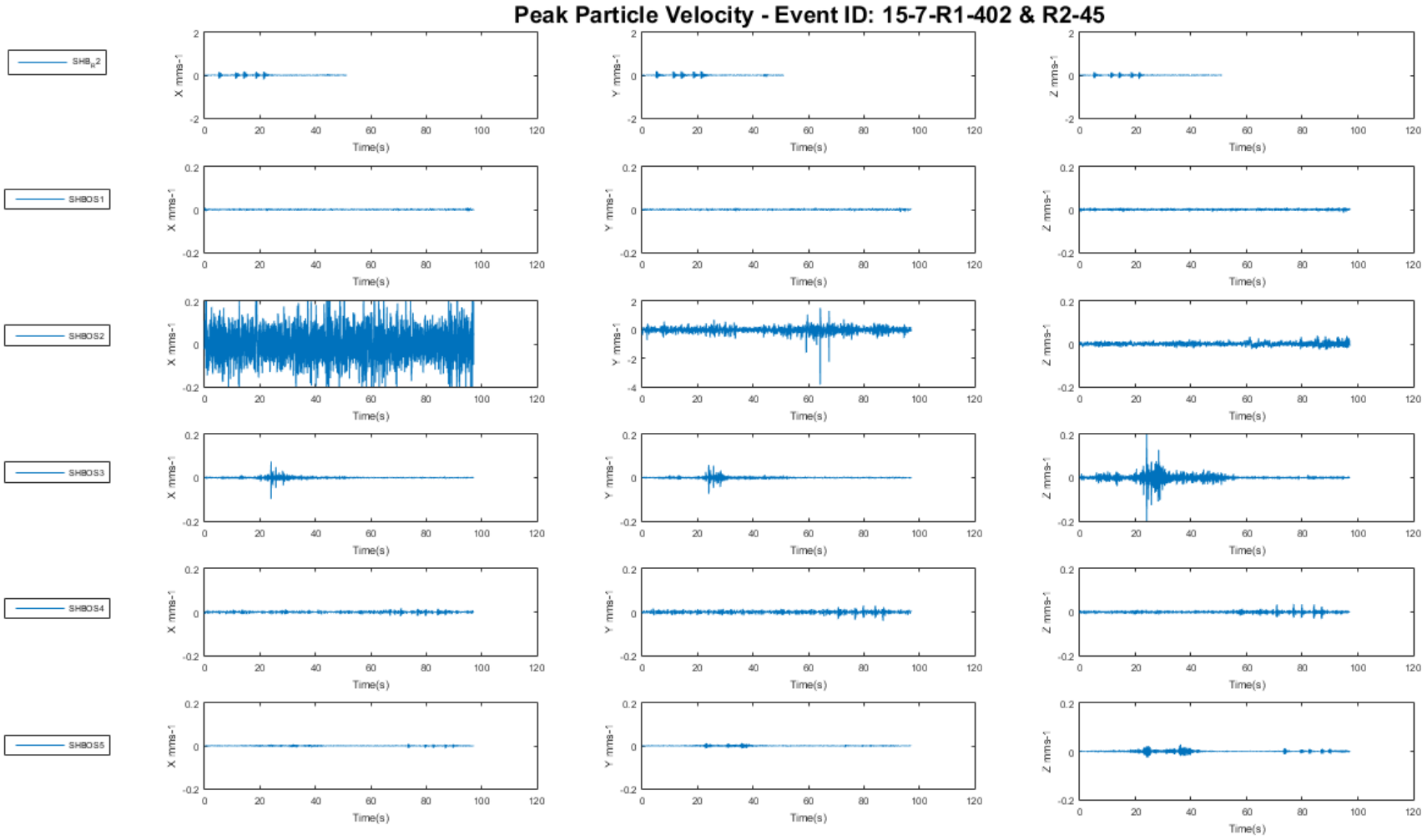


FIGURE 3.85: SHB_OS 1 - 5 15-7-R1-402 & R2-45

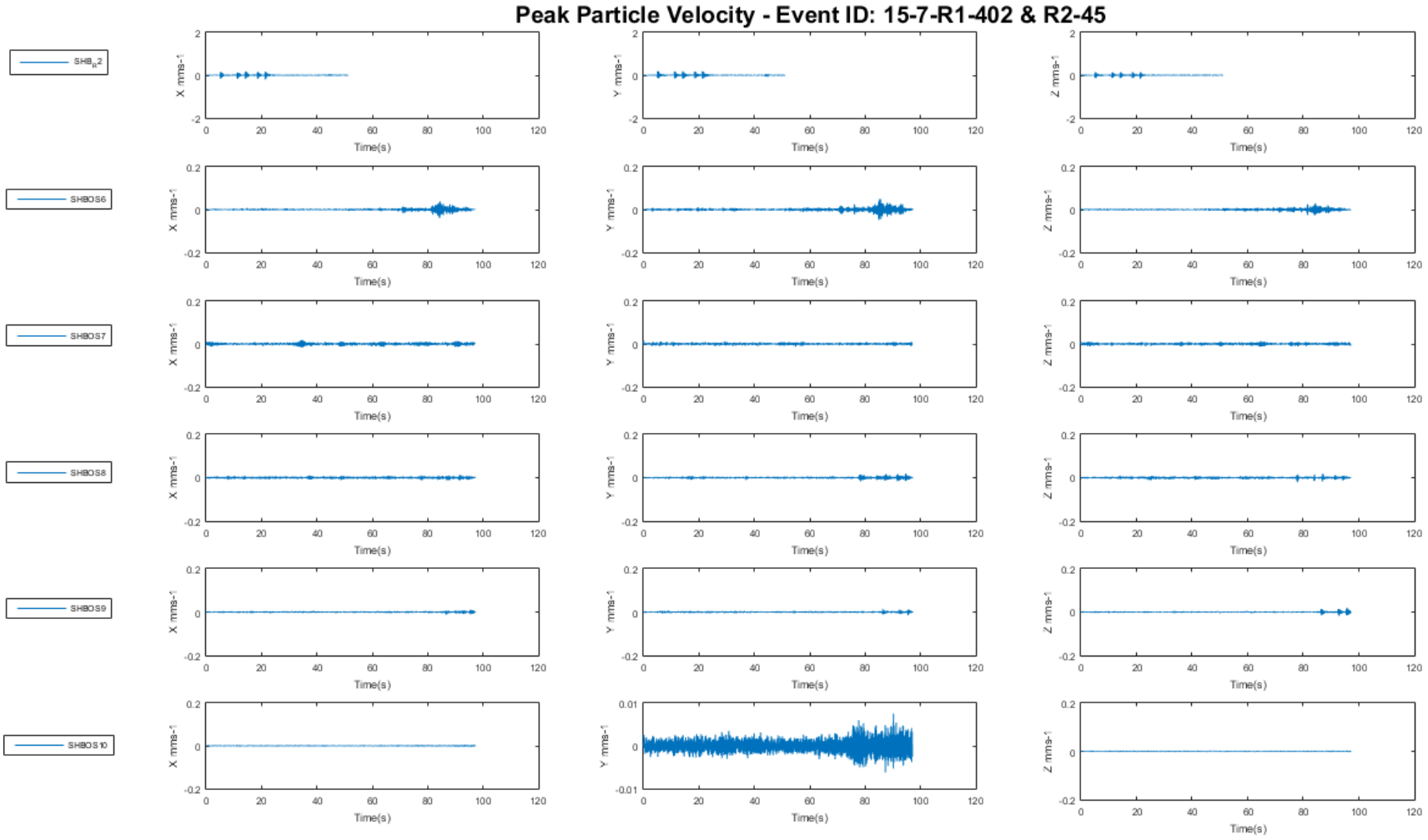


FIGURE 3.86: SHB_OS 6 - 10 15-7-R1-402 & R2-45

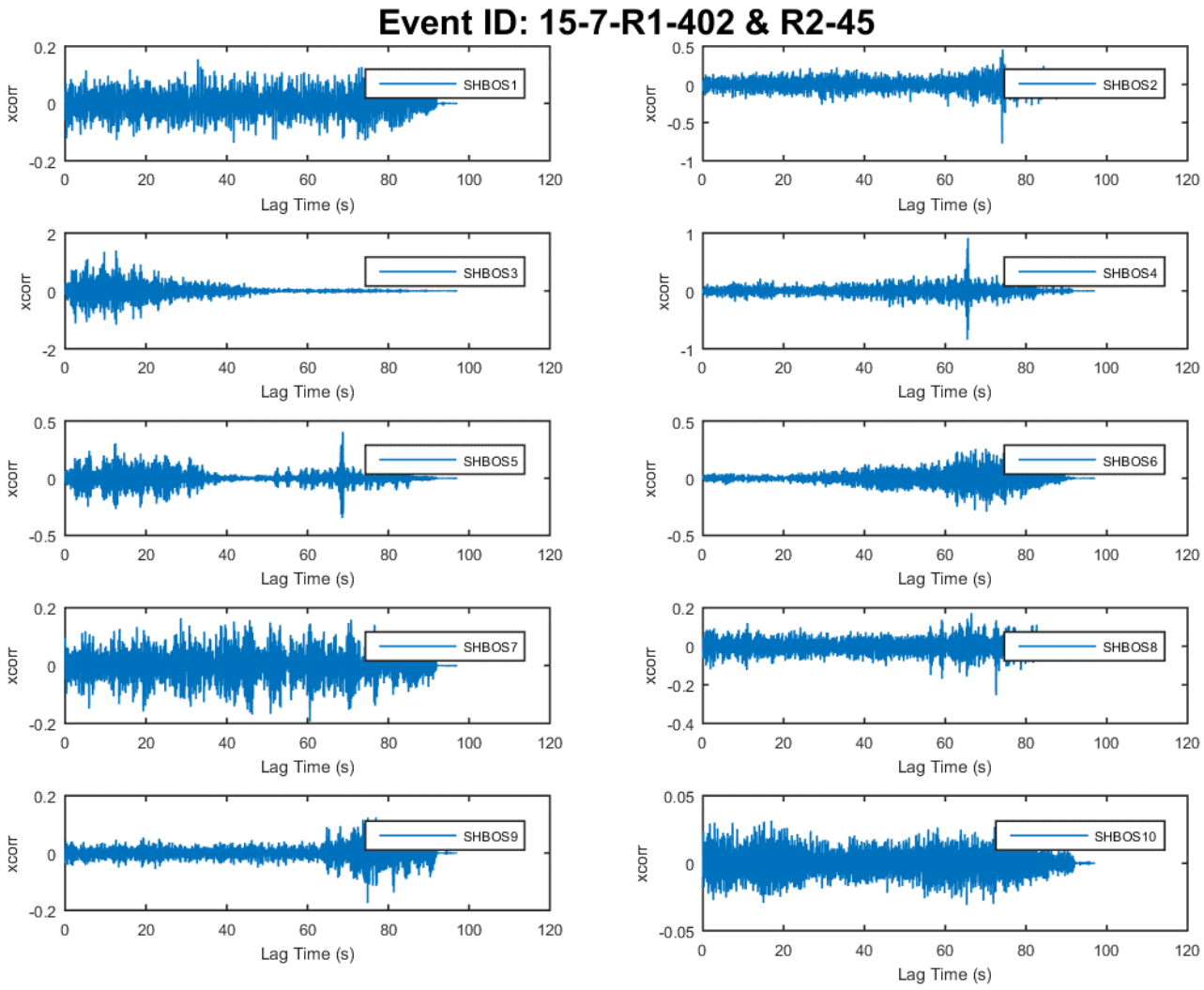


FIGURE 3.87: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-402 & R2-45

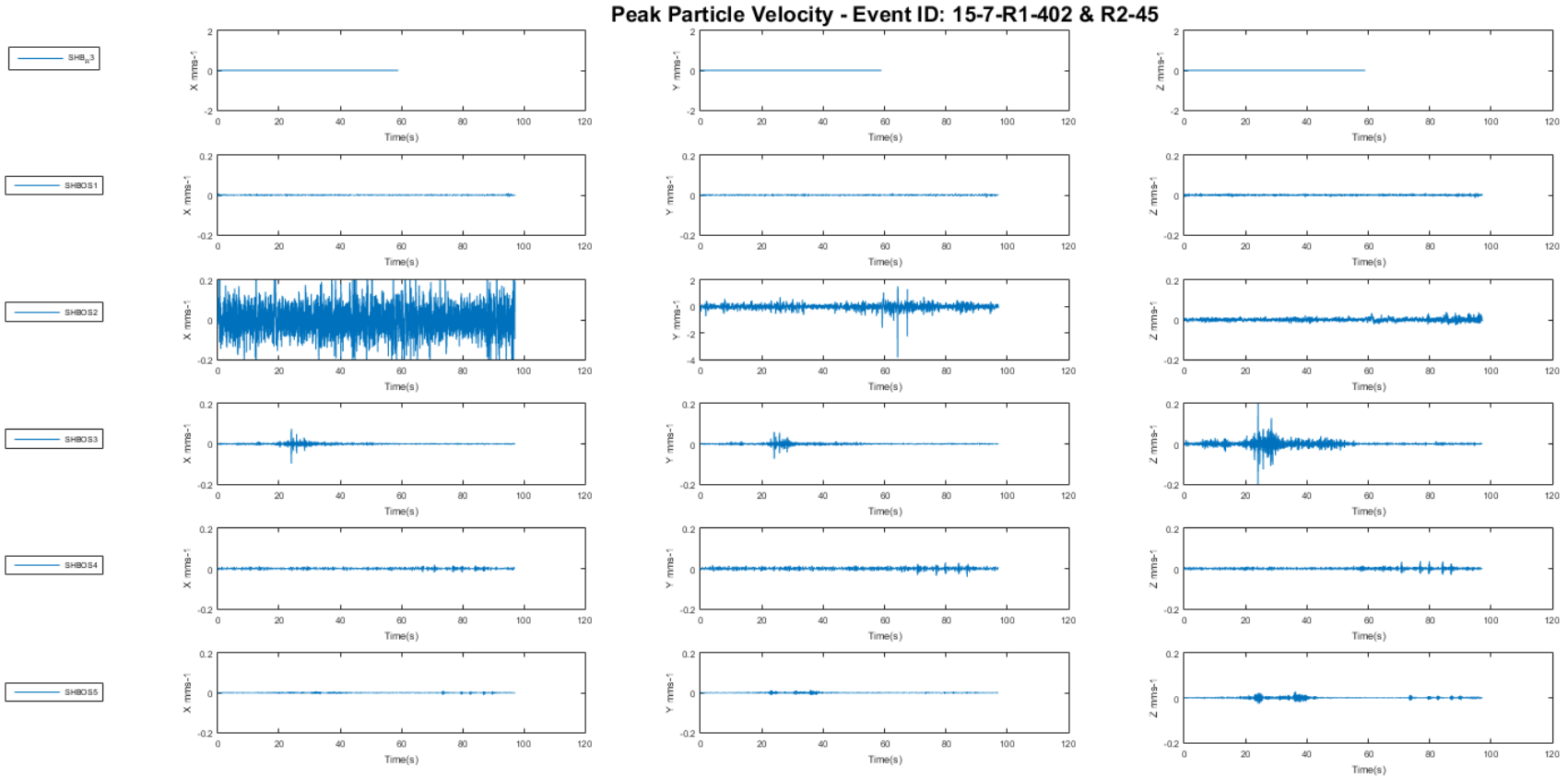
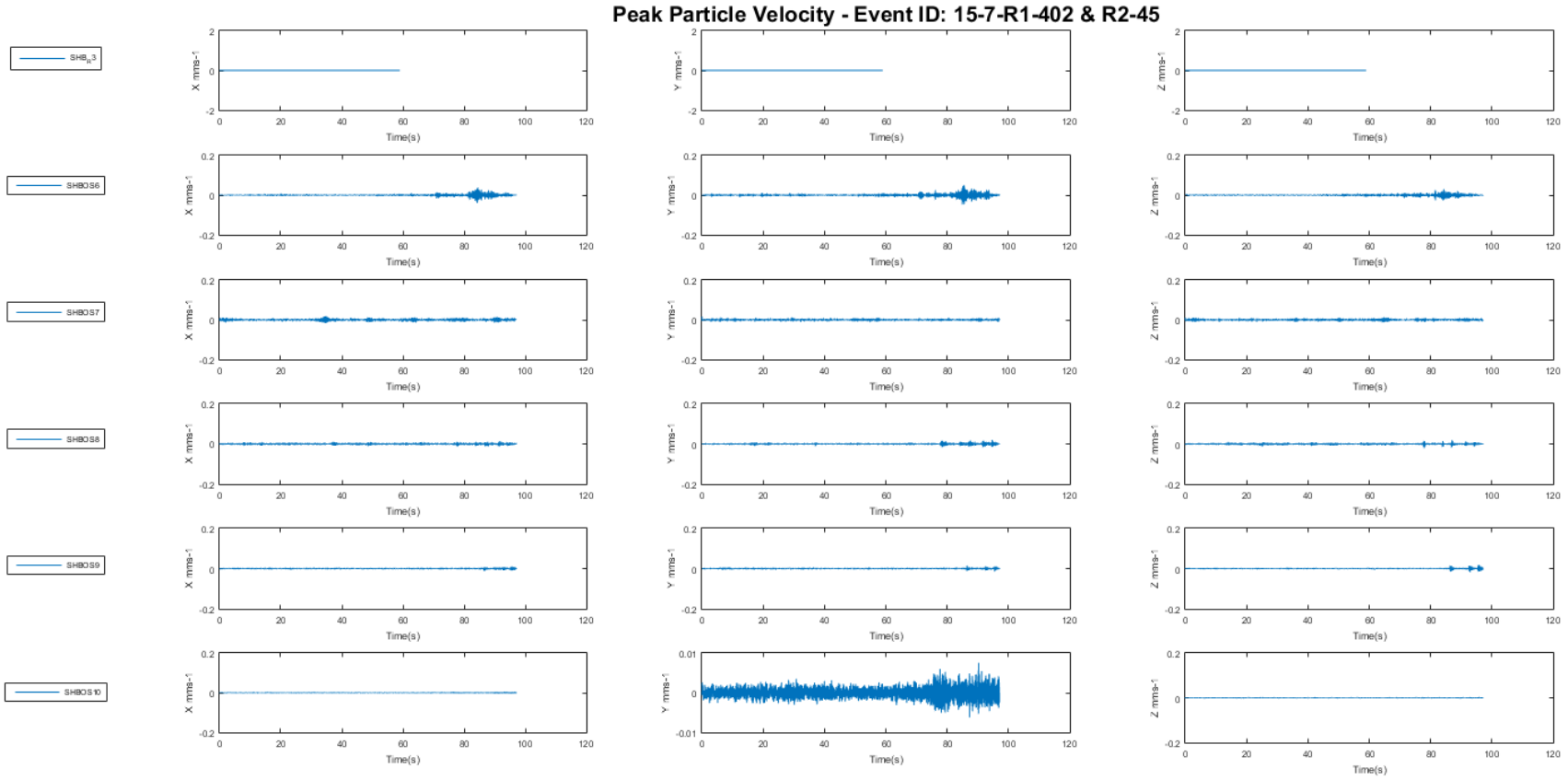


FIGURE 3.88: SHB_OS 1 - 5 15-7-R1-402 & R2-45

FIGURE 3.89: SHB_OS 6 - 10 15-7-R1-402 & R2-45



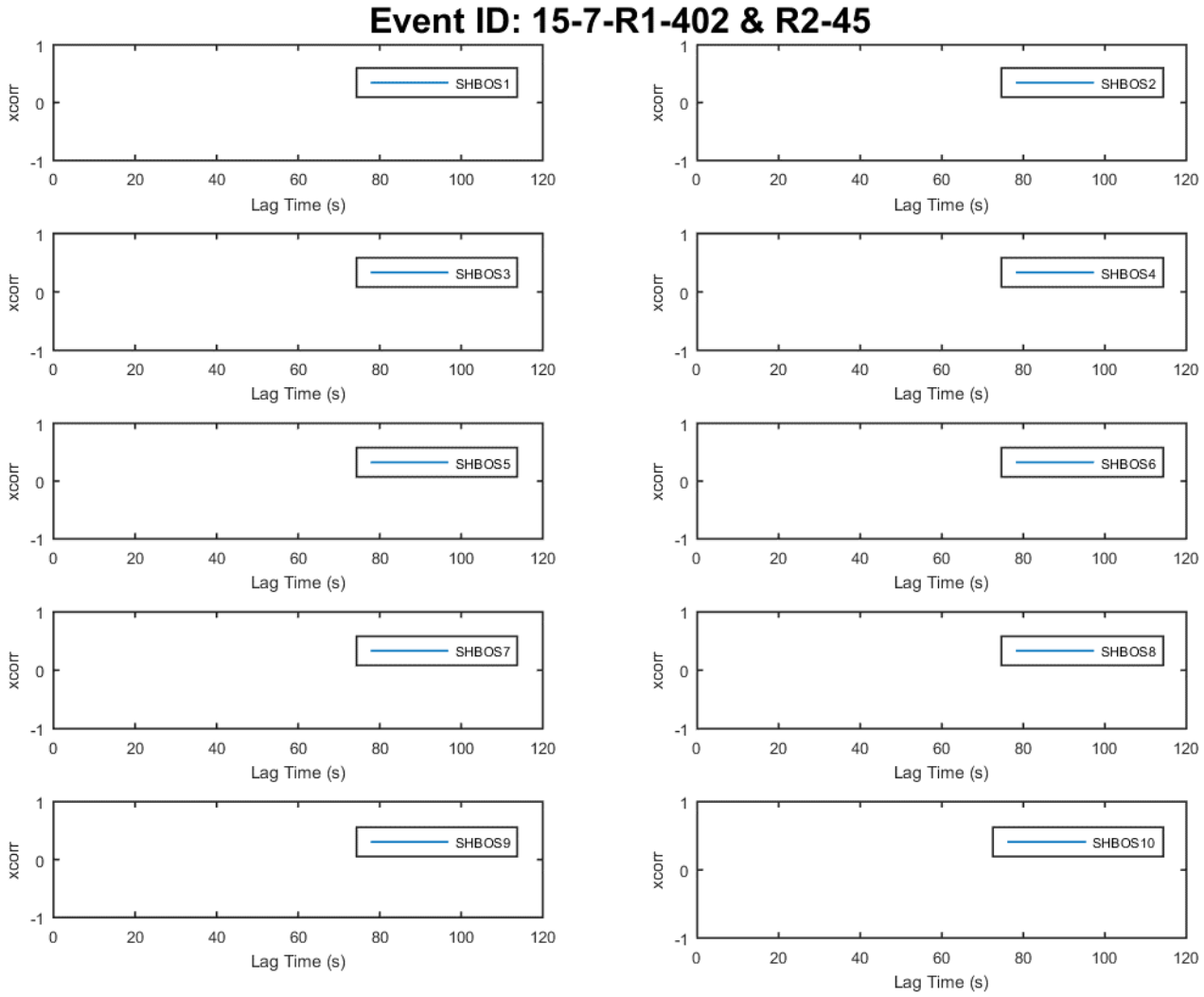


FIGURE 3.90: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-402 & R2-45

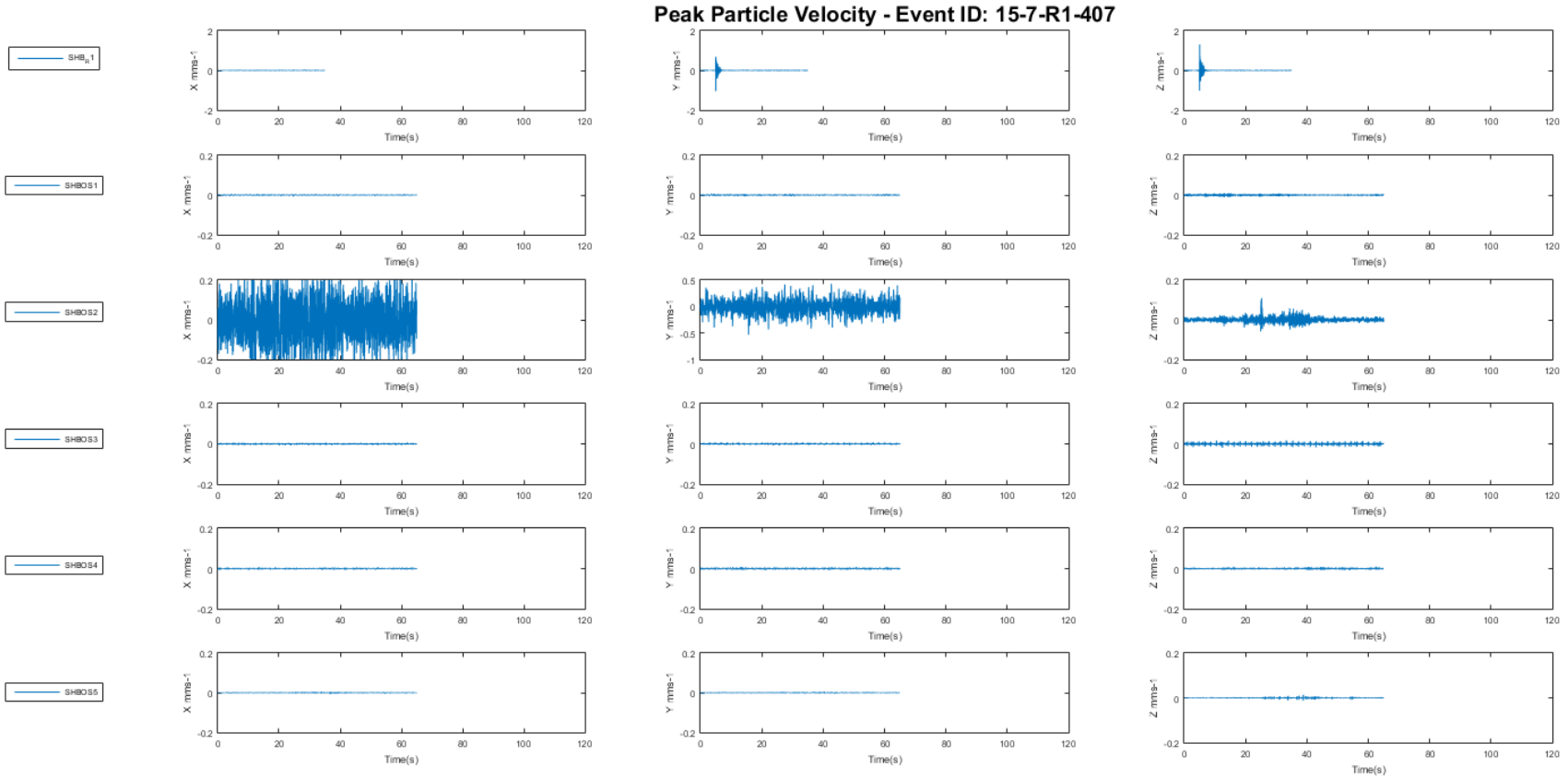


FIGURE 3.91: SHB_OS 1 - 5 15-7-R1-407

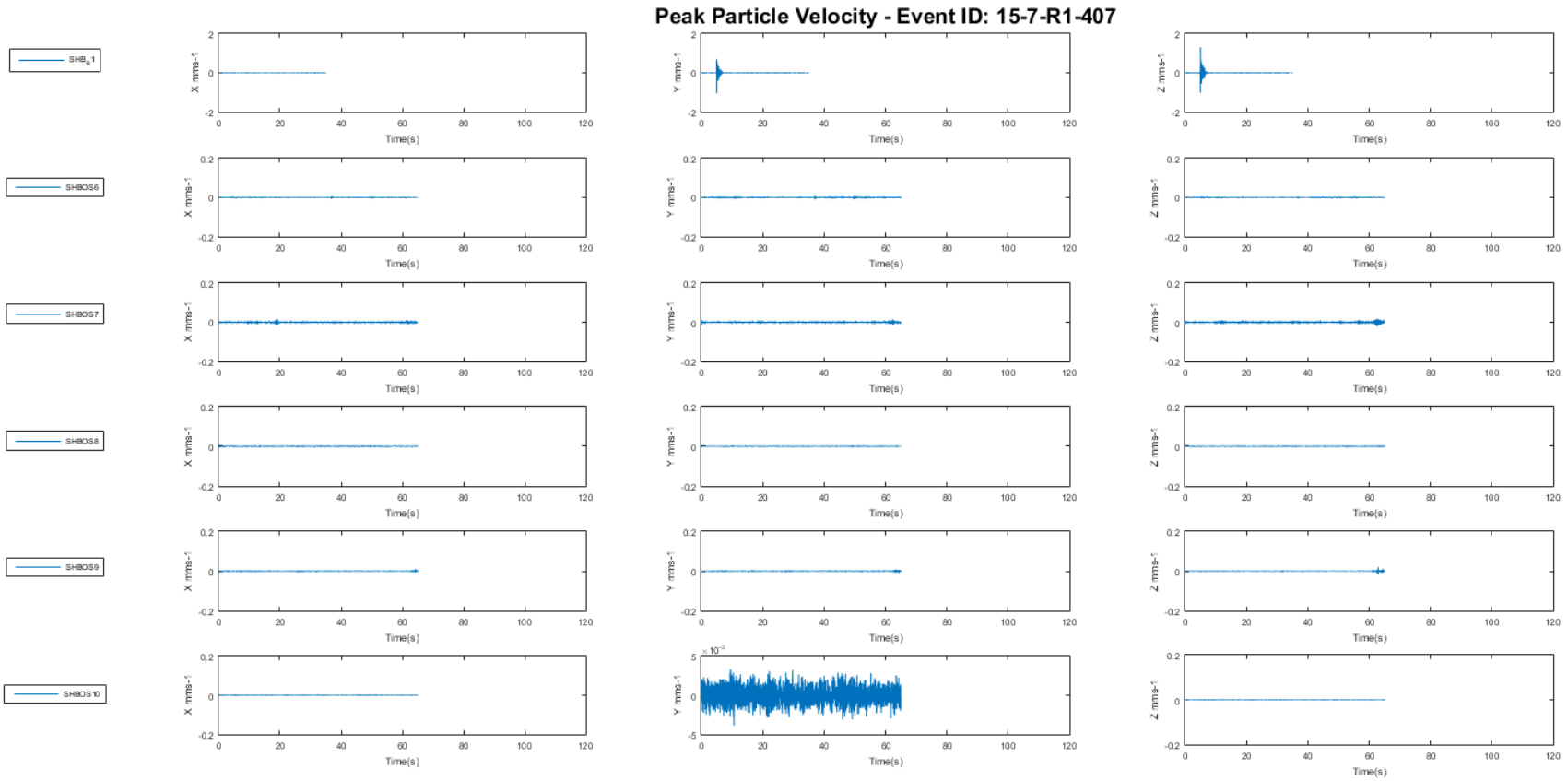


FIGURE 3.92: SHB_OS 6 - 10 15-7-R1-407

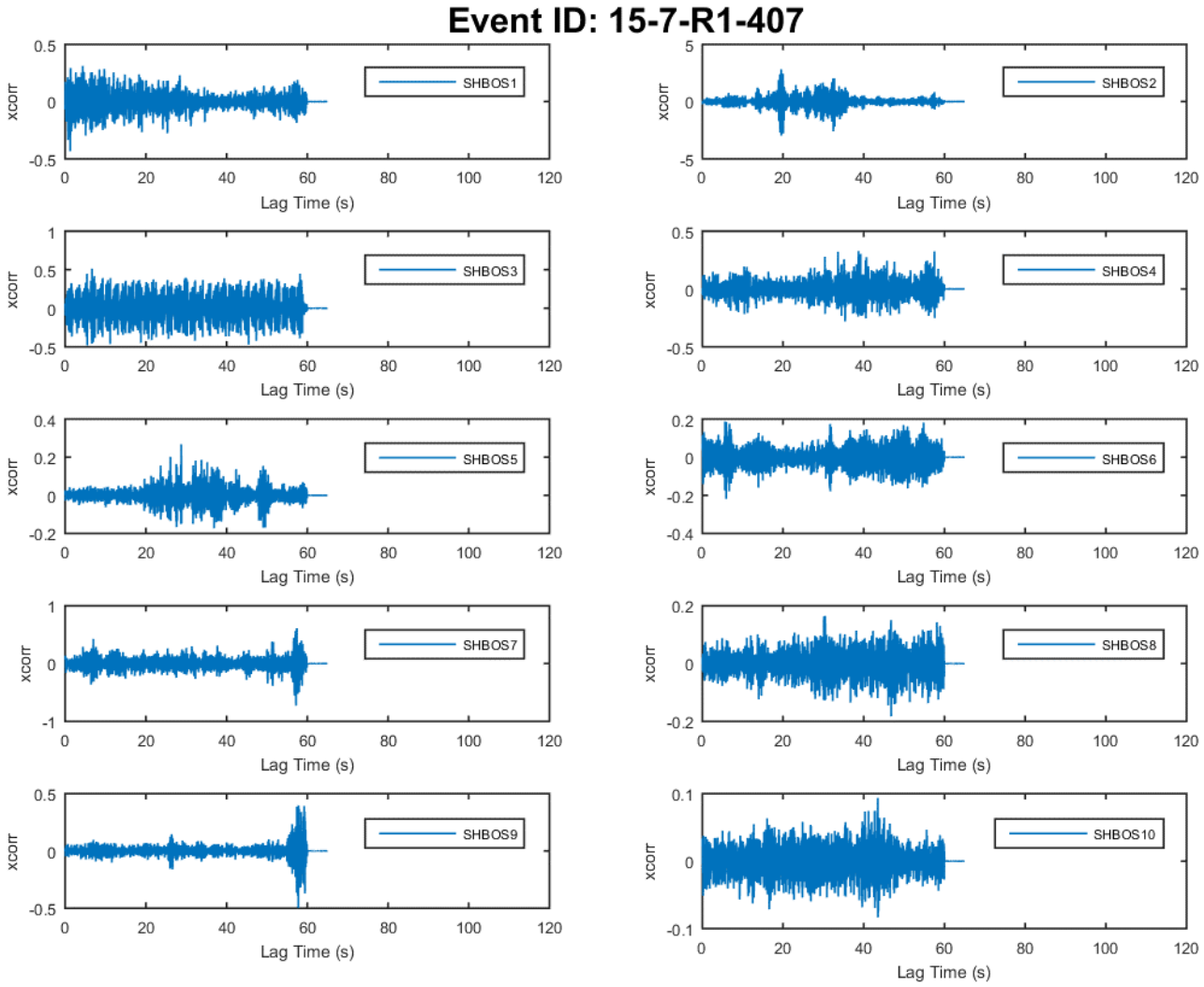


FIGURE 3.93: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-407

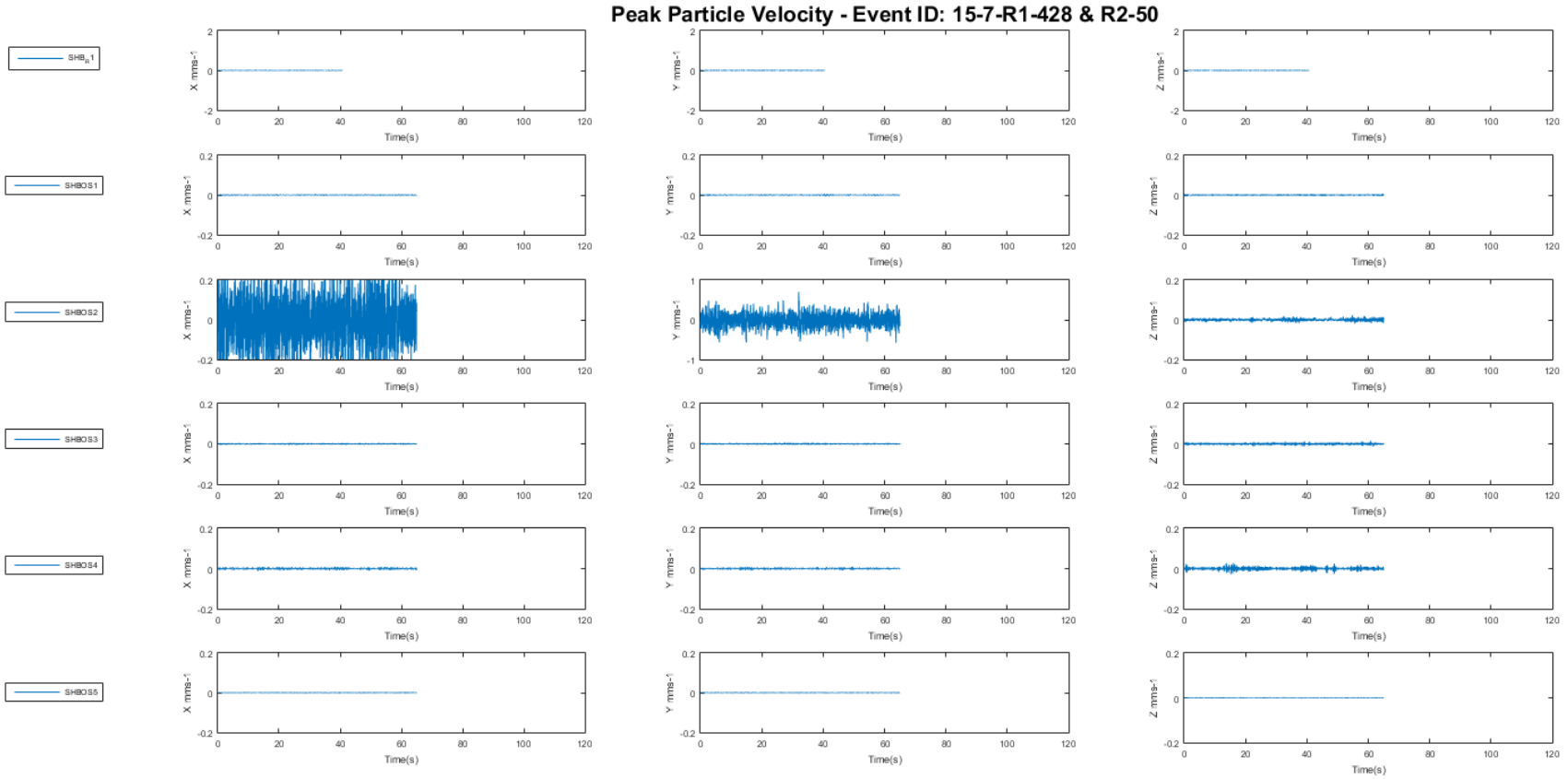


FIGURE 3.94: SHB_OS 1 - 5 15-7-R1-428 & R2-50

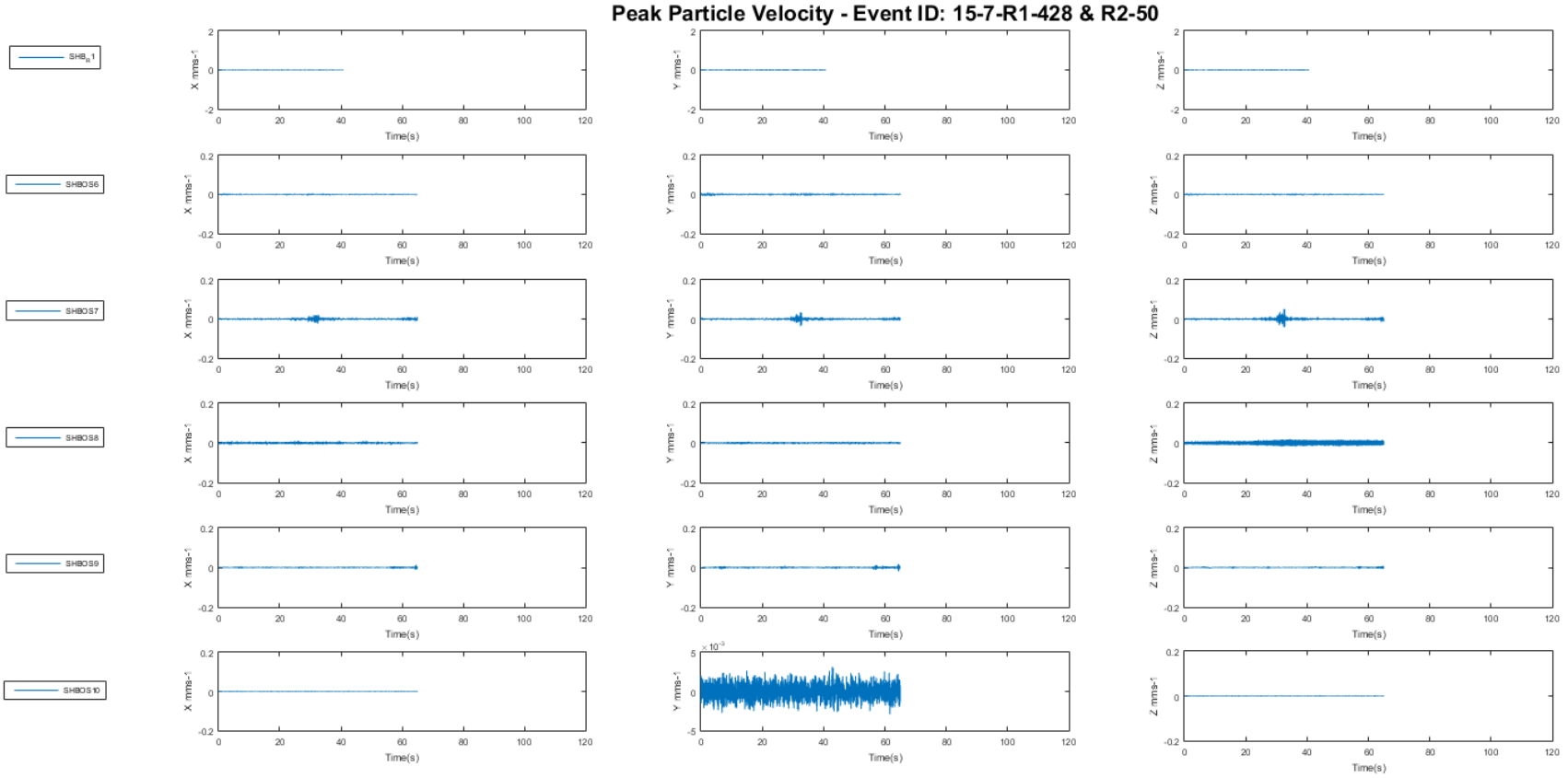


FIGURE 3.95: SHB_OS 6 - 10 15-7-R1-428 & R2-50

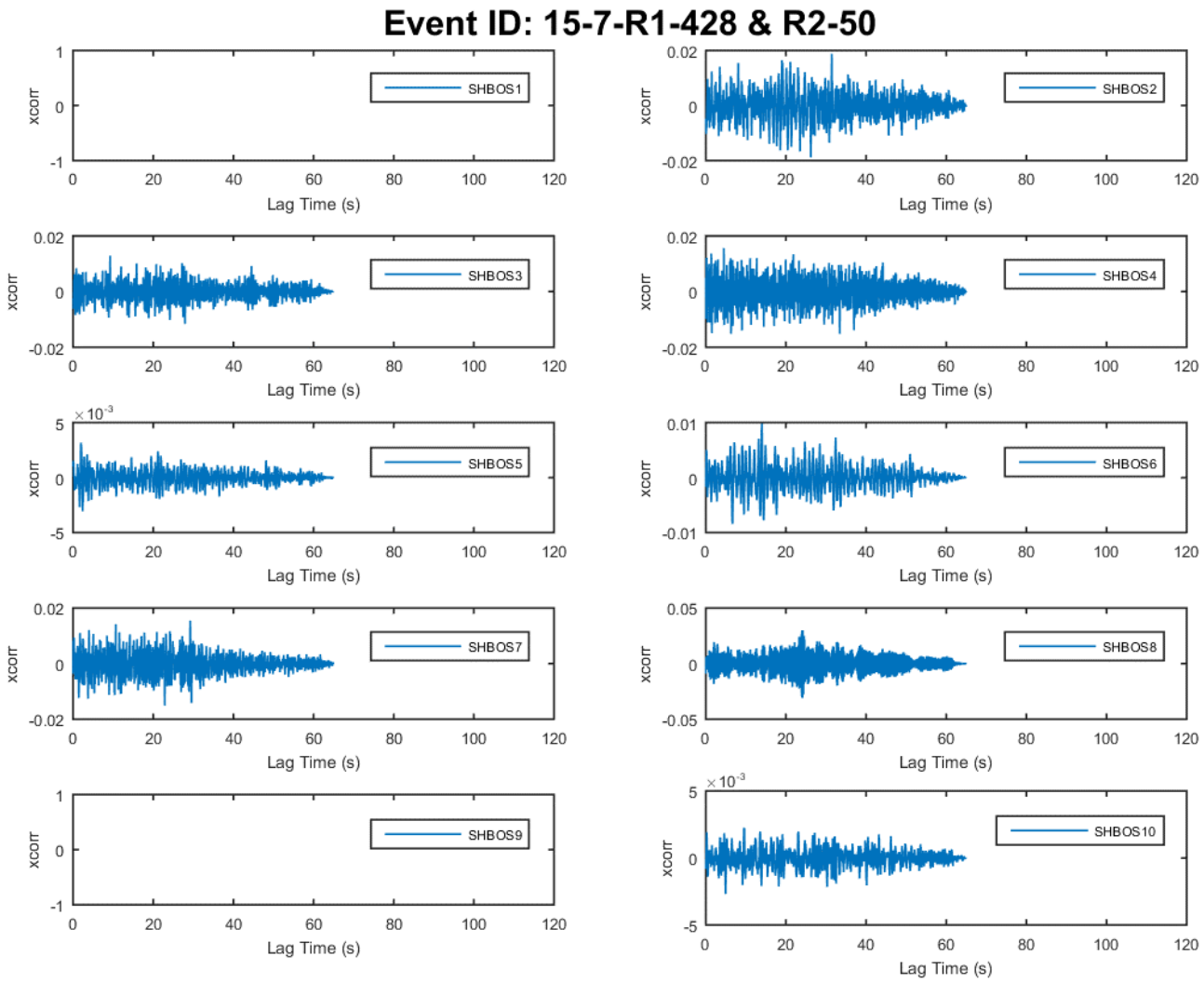


FIGURE 3.96: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-428 & R2-50

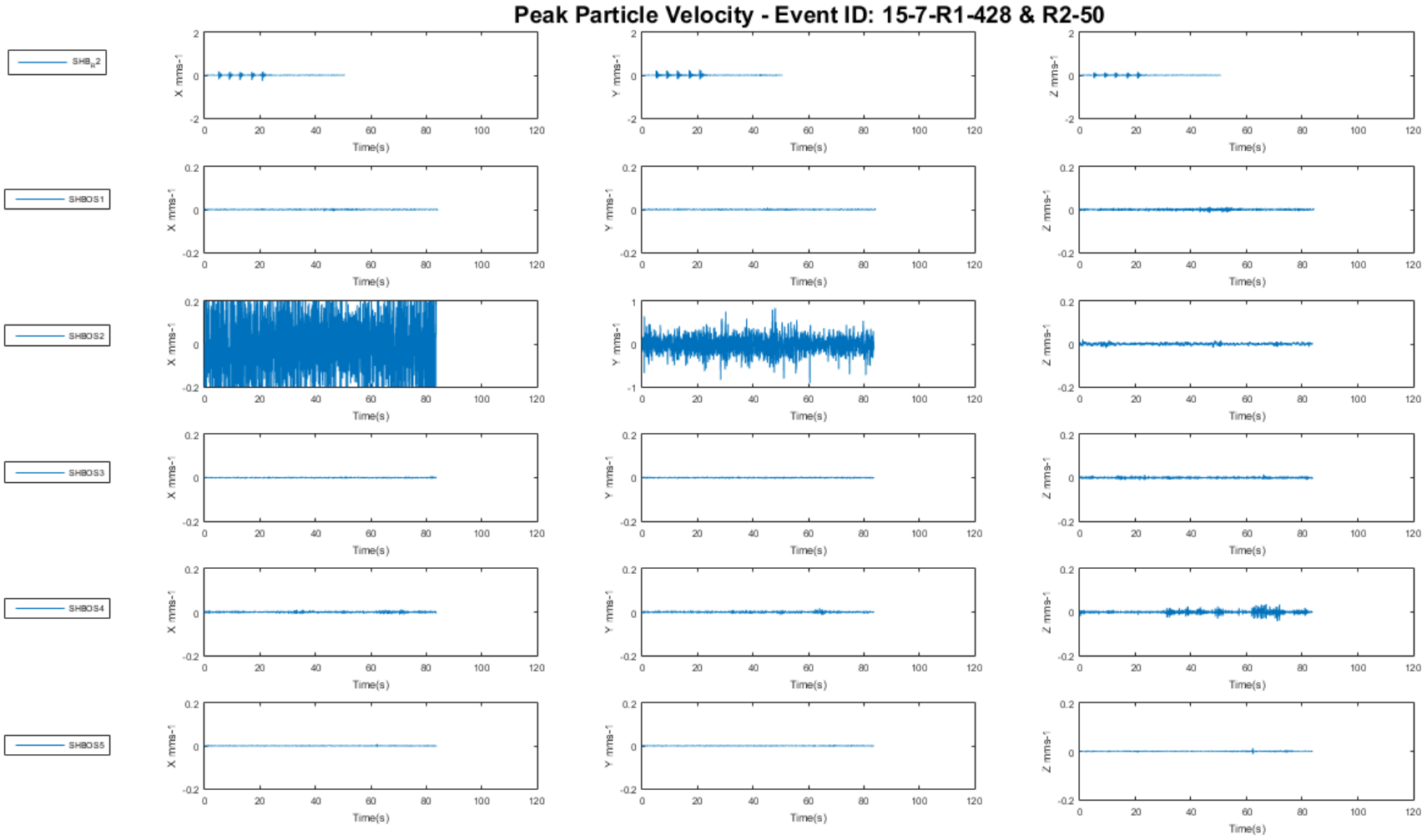


FIGURE 3.97: SHB_OS 1 - 5 15-7-R1-428 & R2-50

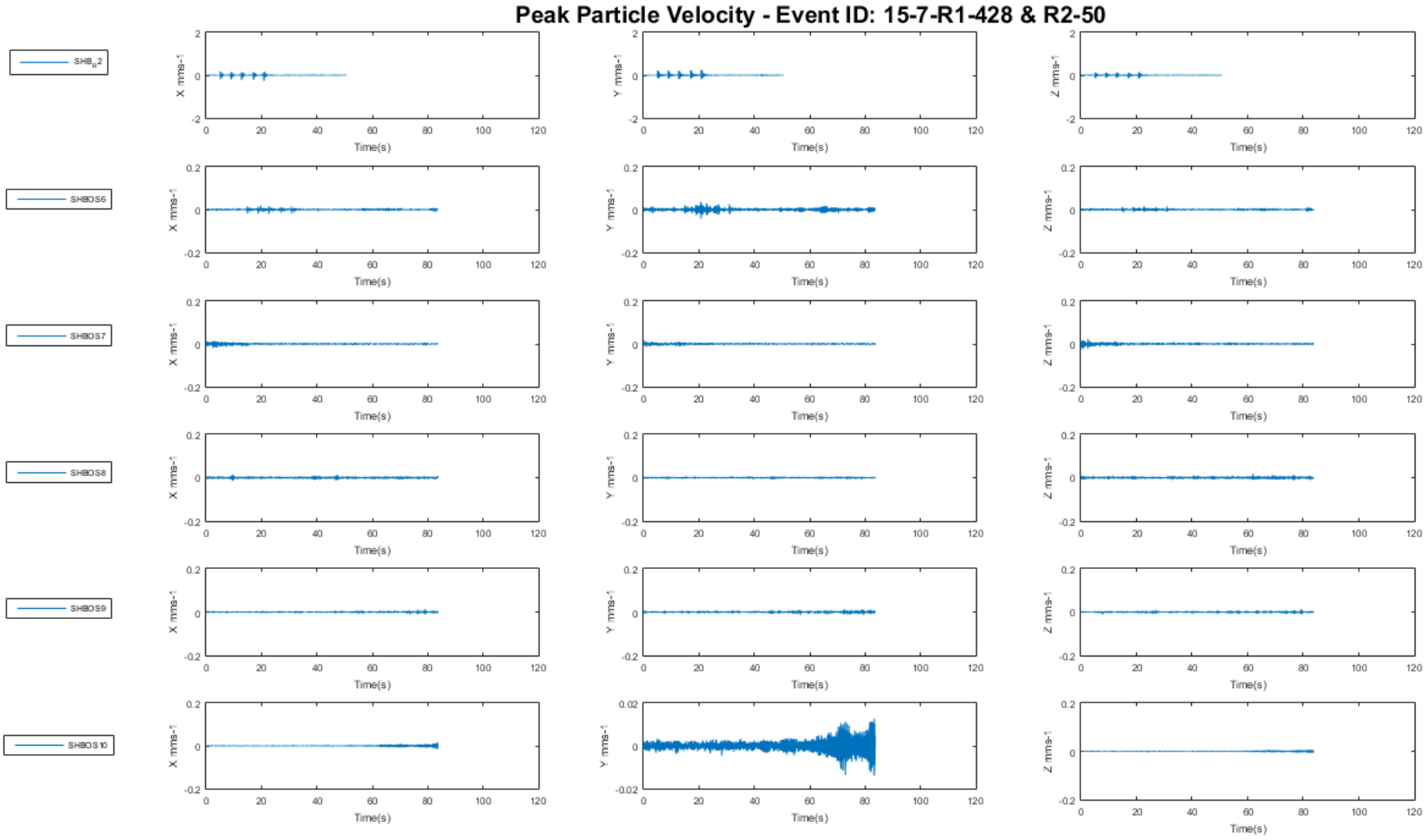


FIGURE 3.98: SHB_OS 6 - 10 15-7-R1-428 & R2-50

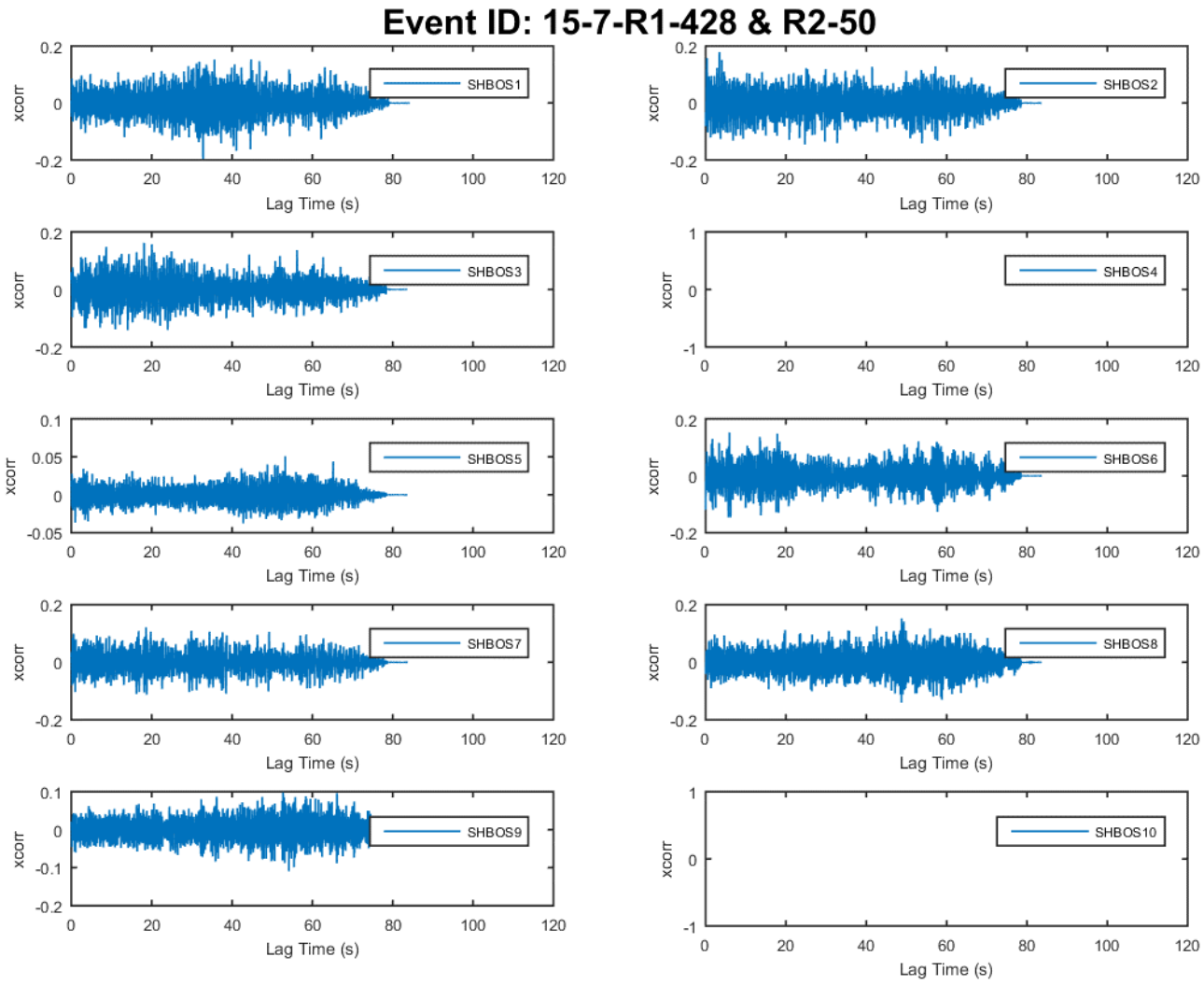


FIGURE 3.99: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-428 & R2-50

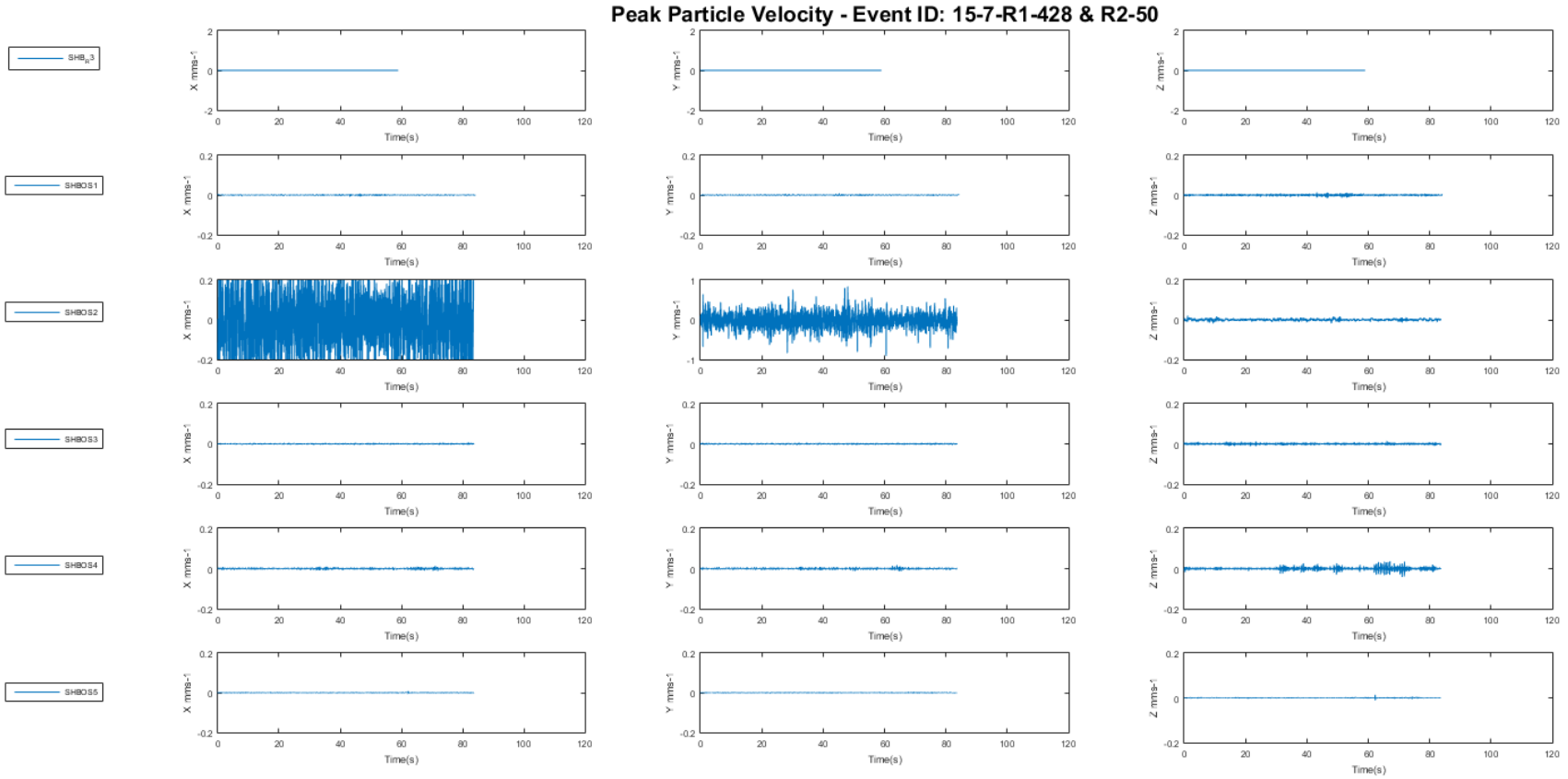


FIGURE 3.100: SHB_OS 1 - 5 15-7-R1-428 & R2-50

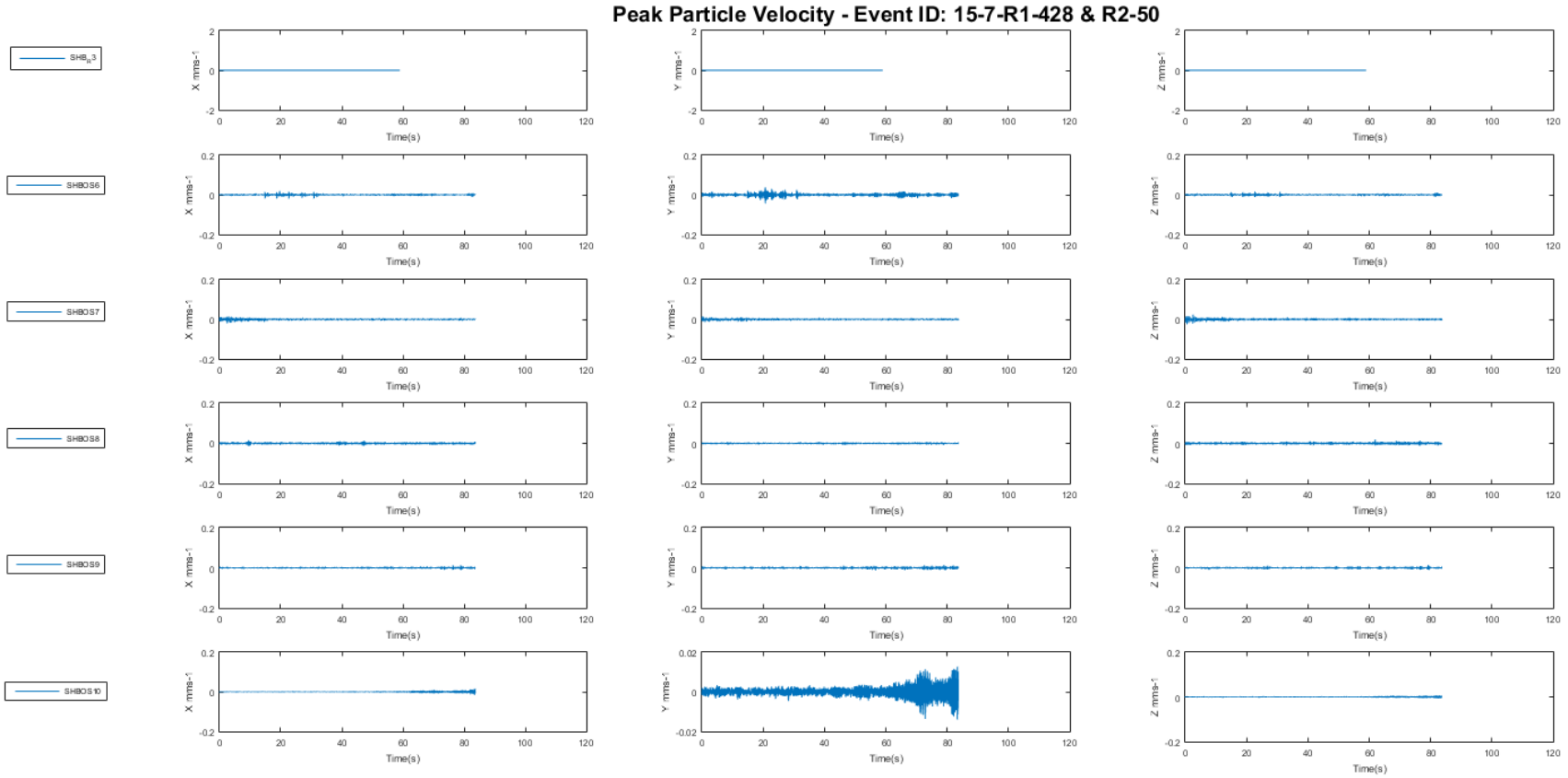


FIGURE 3.101: SHB_OS 6 - 10 15-7-R1-428 & R2-50

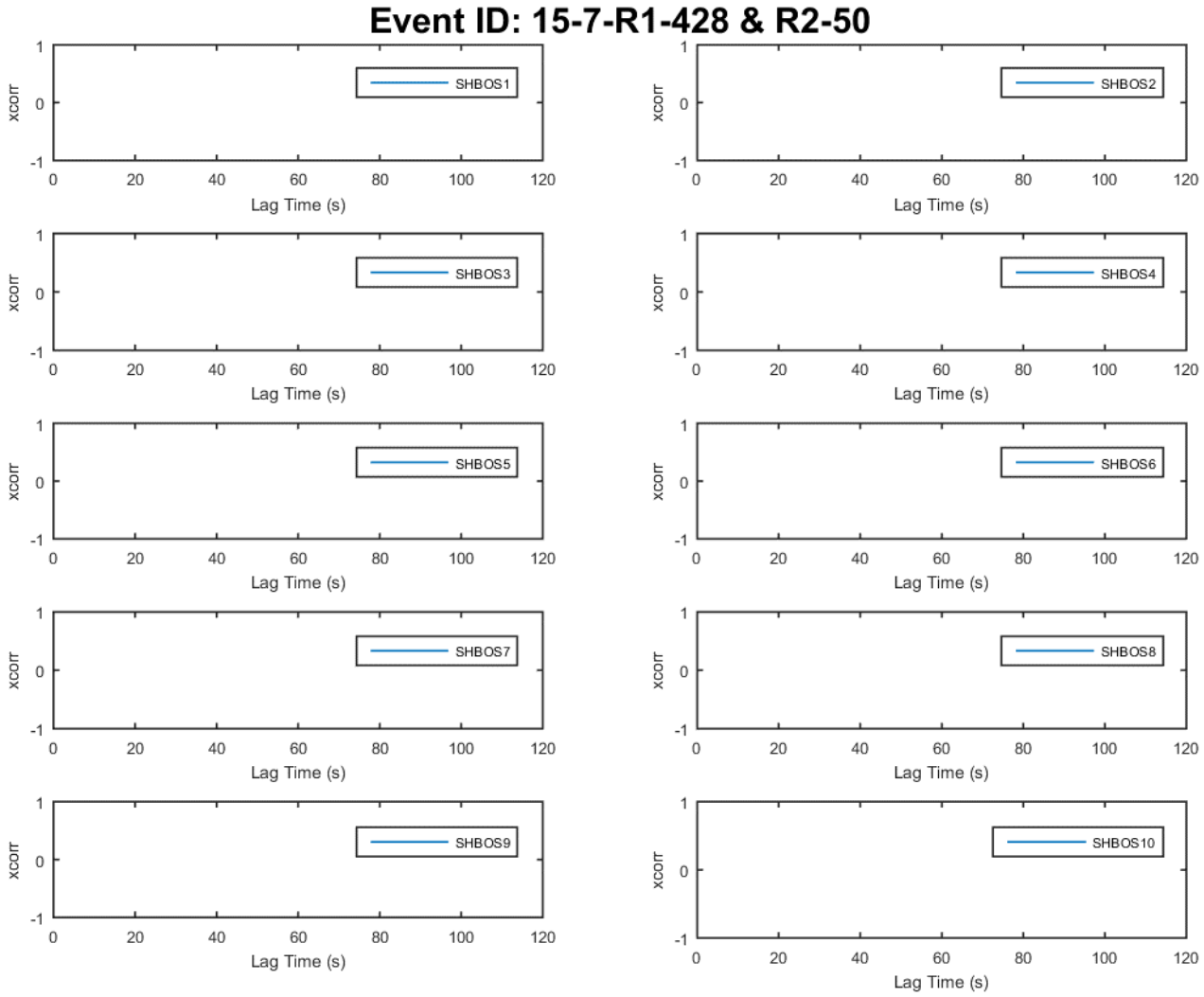


FIGURE 3.102: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-428 & R2-50

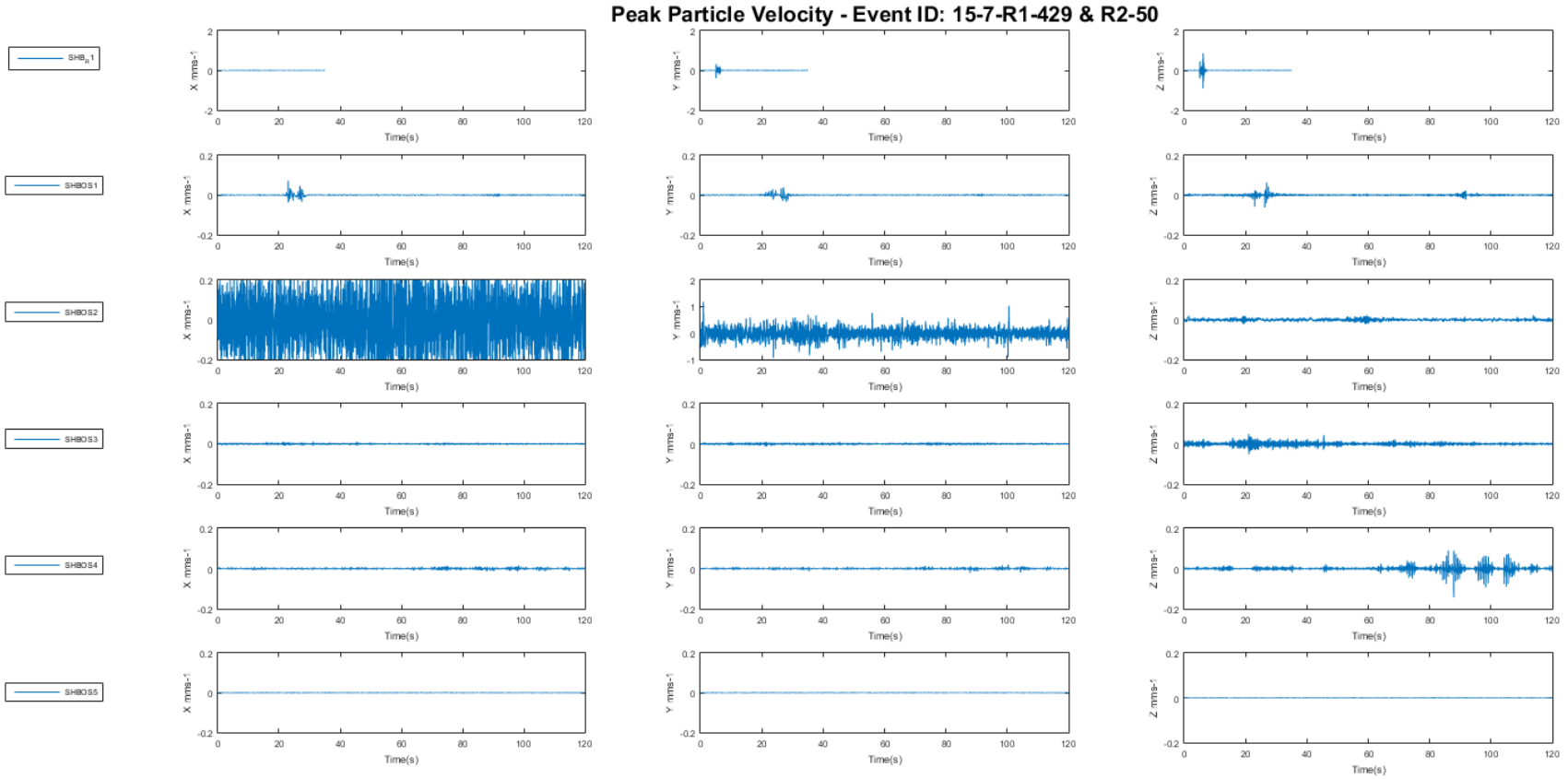


FIGURE 3.103: SHB_OS 1 - 5 15-7-R1-429 & R2-50

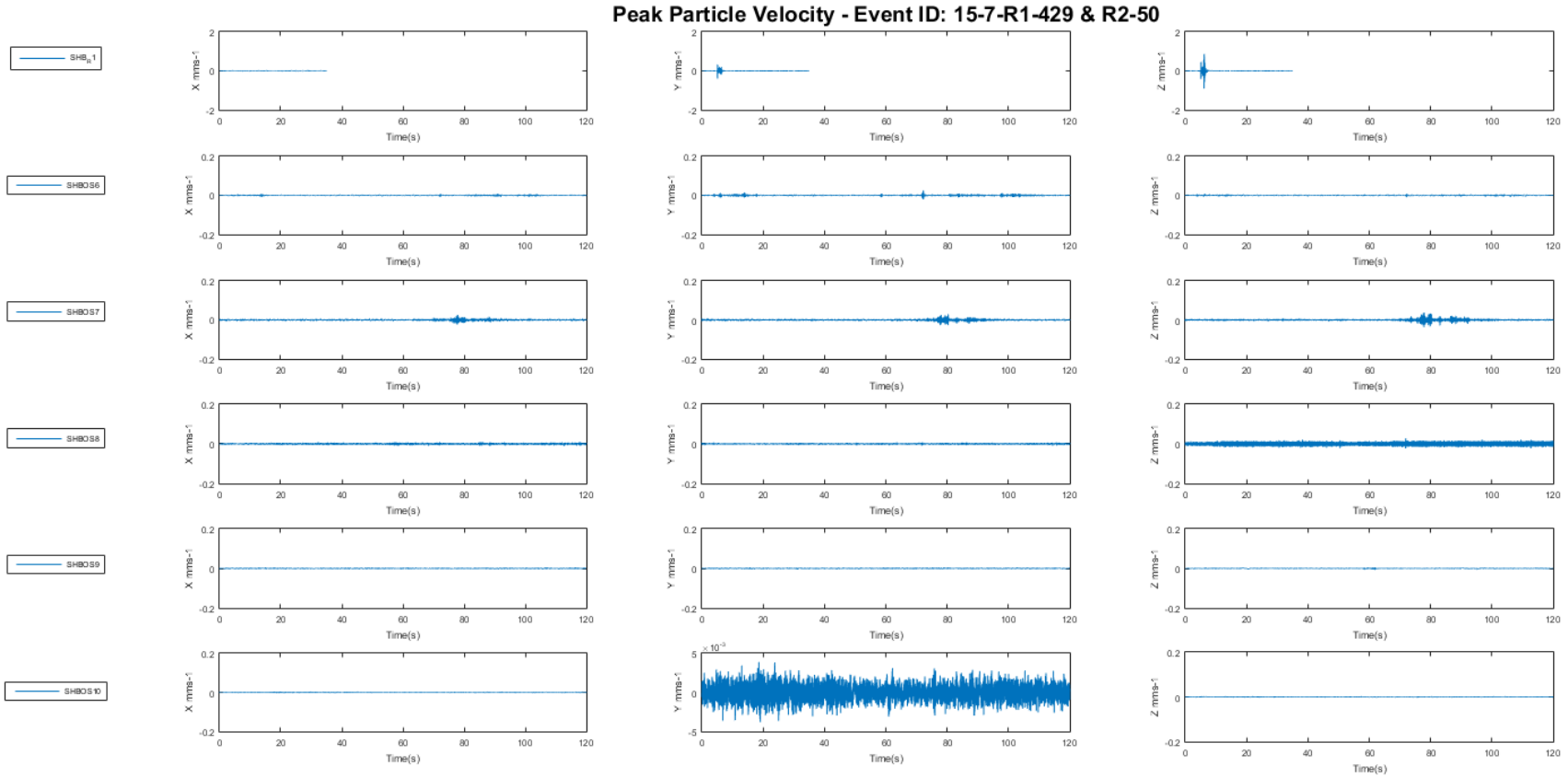


FIGURE 3.104: SHB_OS 6 - 10 15-7-R1-429 & R2-50

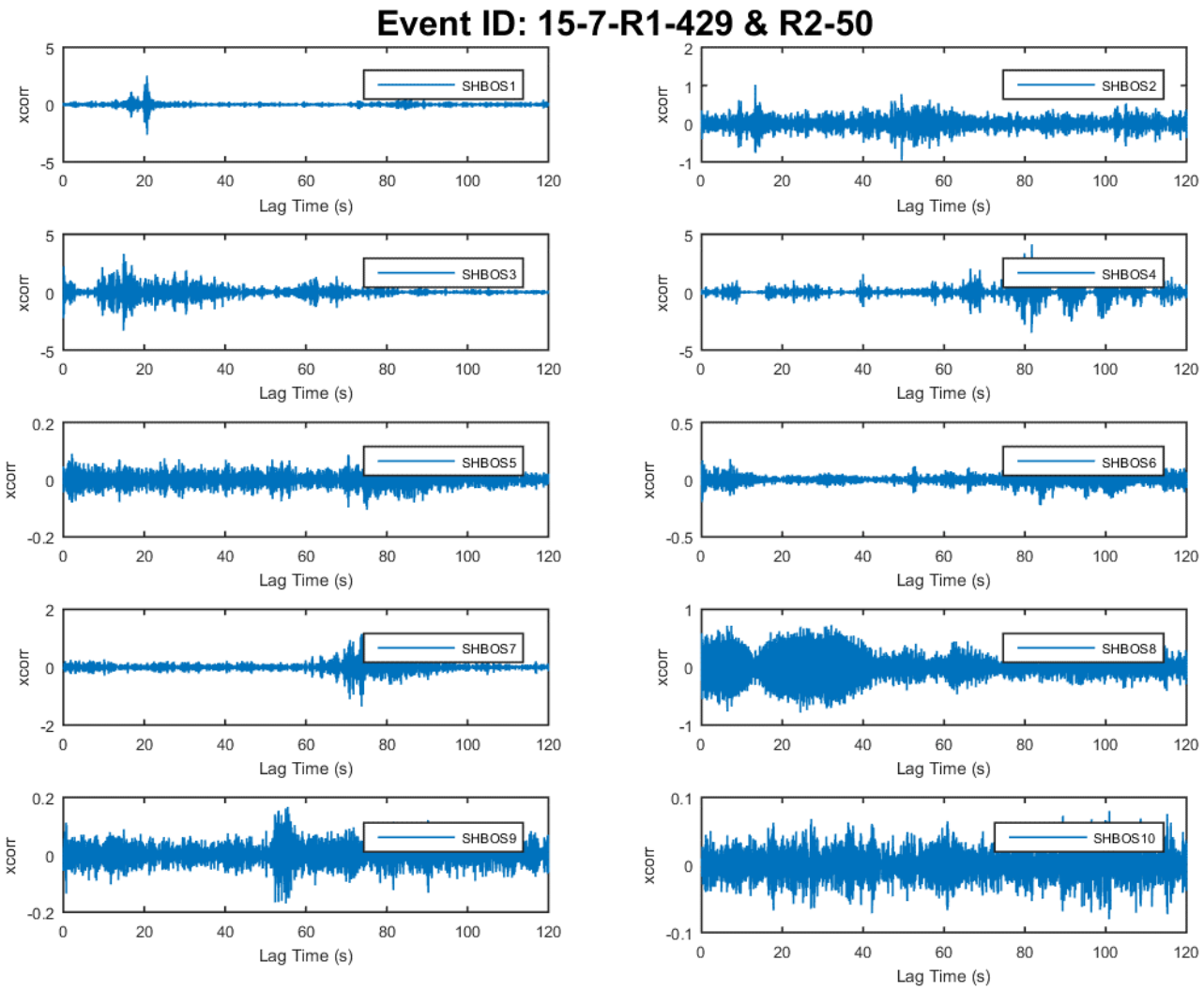


FIGURE 3.105: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-429 & R2-50

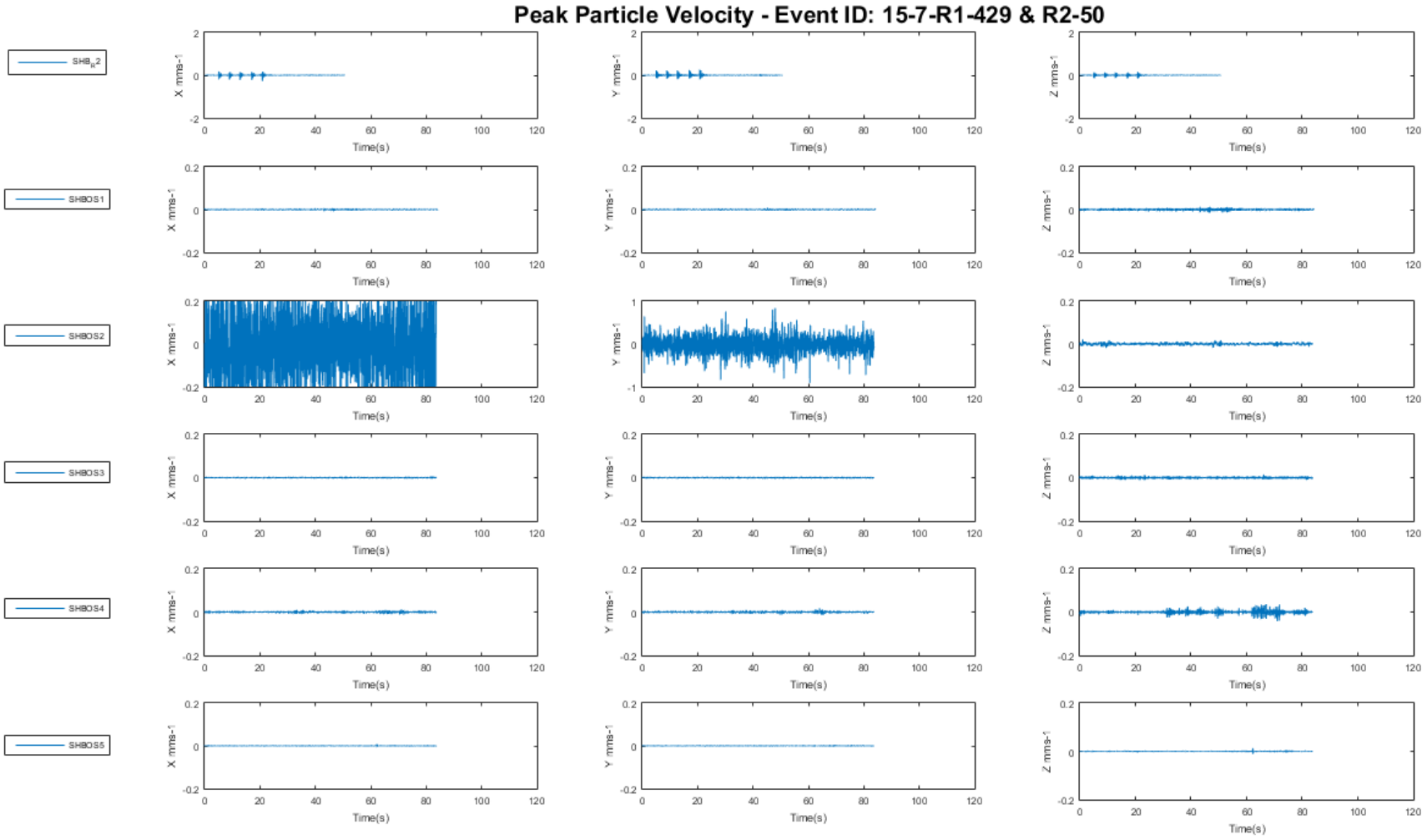


FIGURE 3.106: SHB_OS 1 - 5 15-7-R1-429 & R2-50

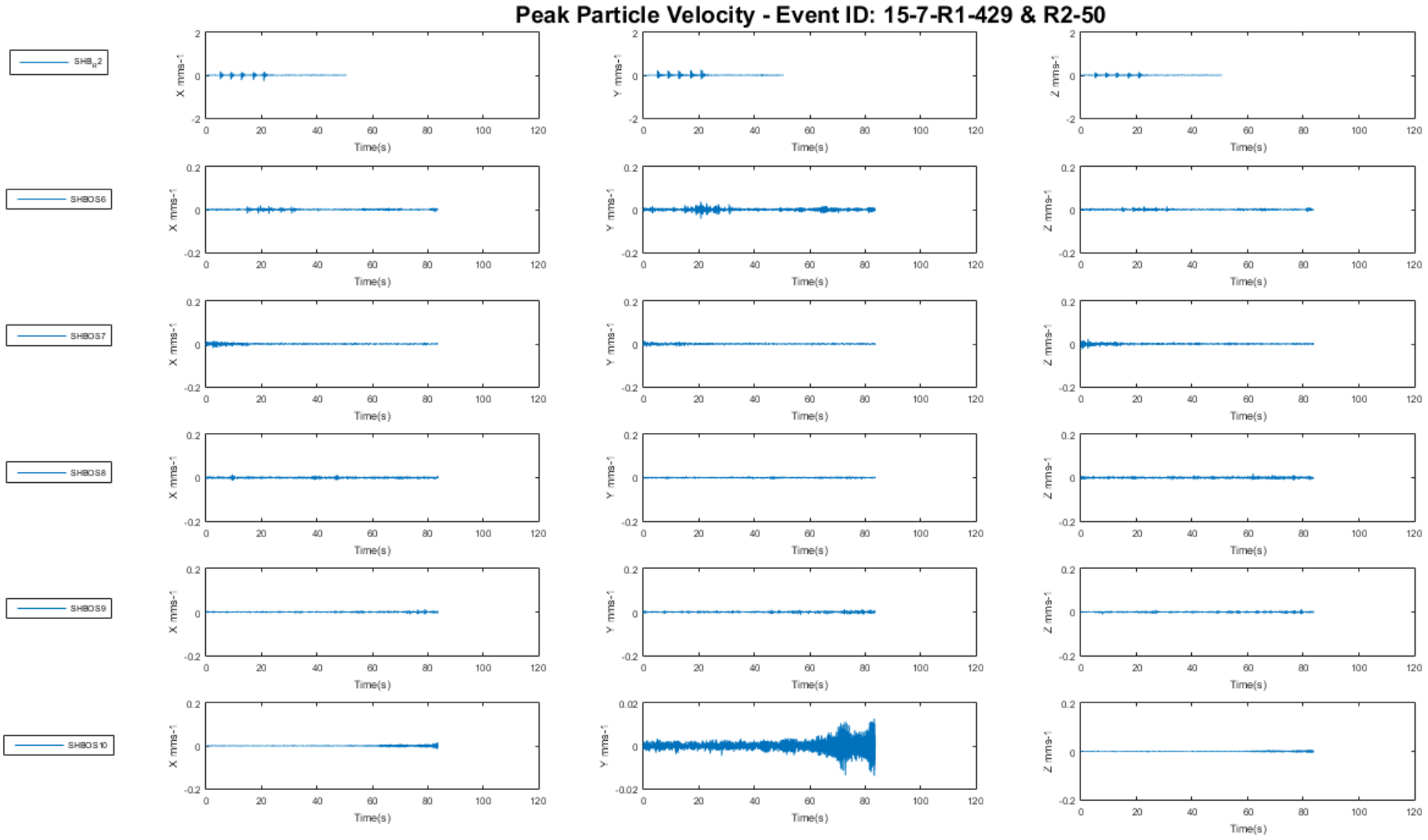


FIGURE 3.107: SHB_OS 6 - 10 15-7-R1-429 & R2-50

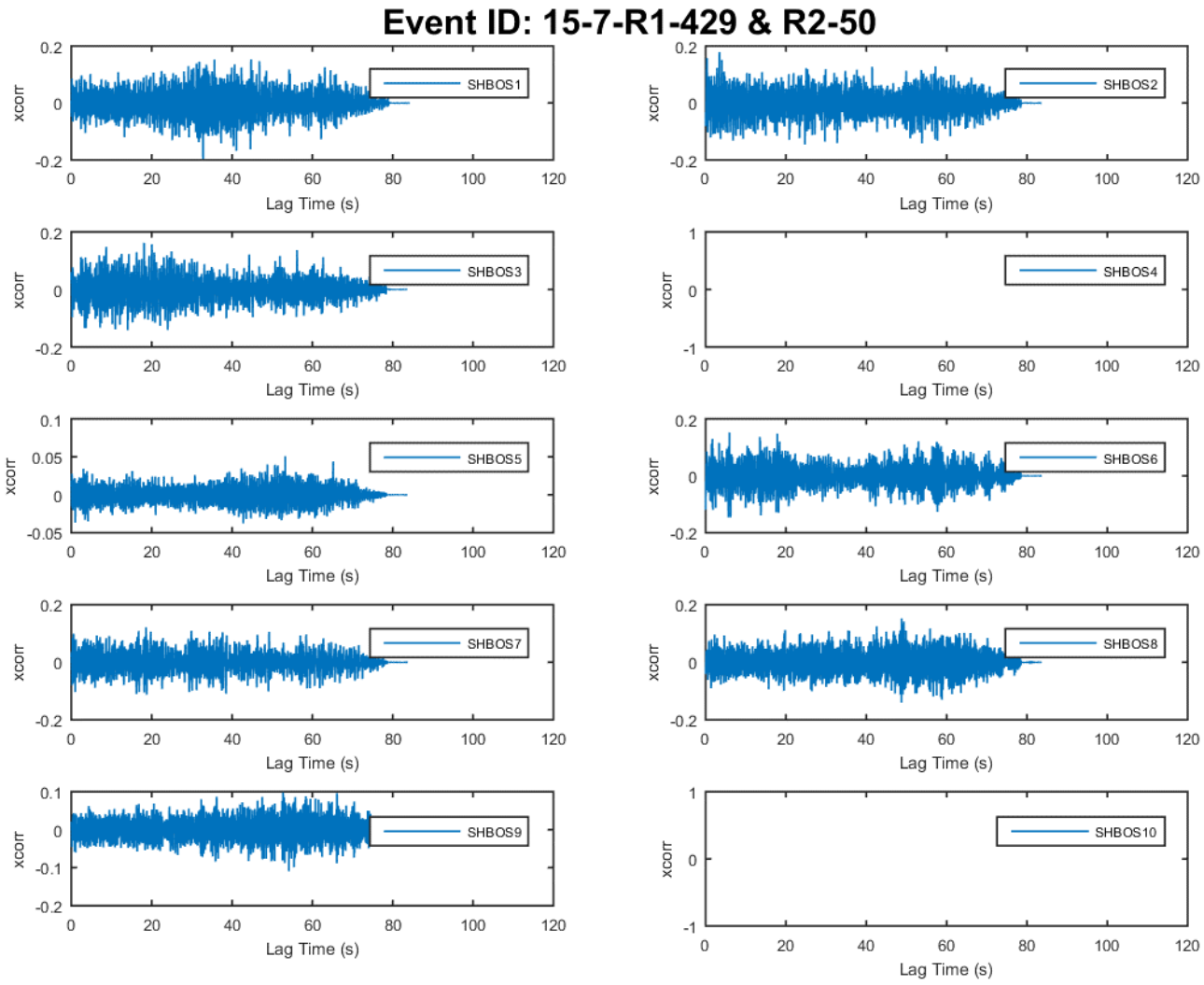


FIGURE 3.108: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-429 & R2-50

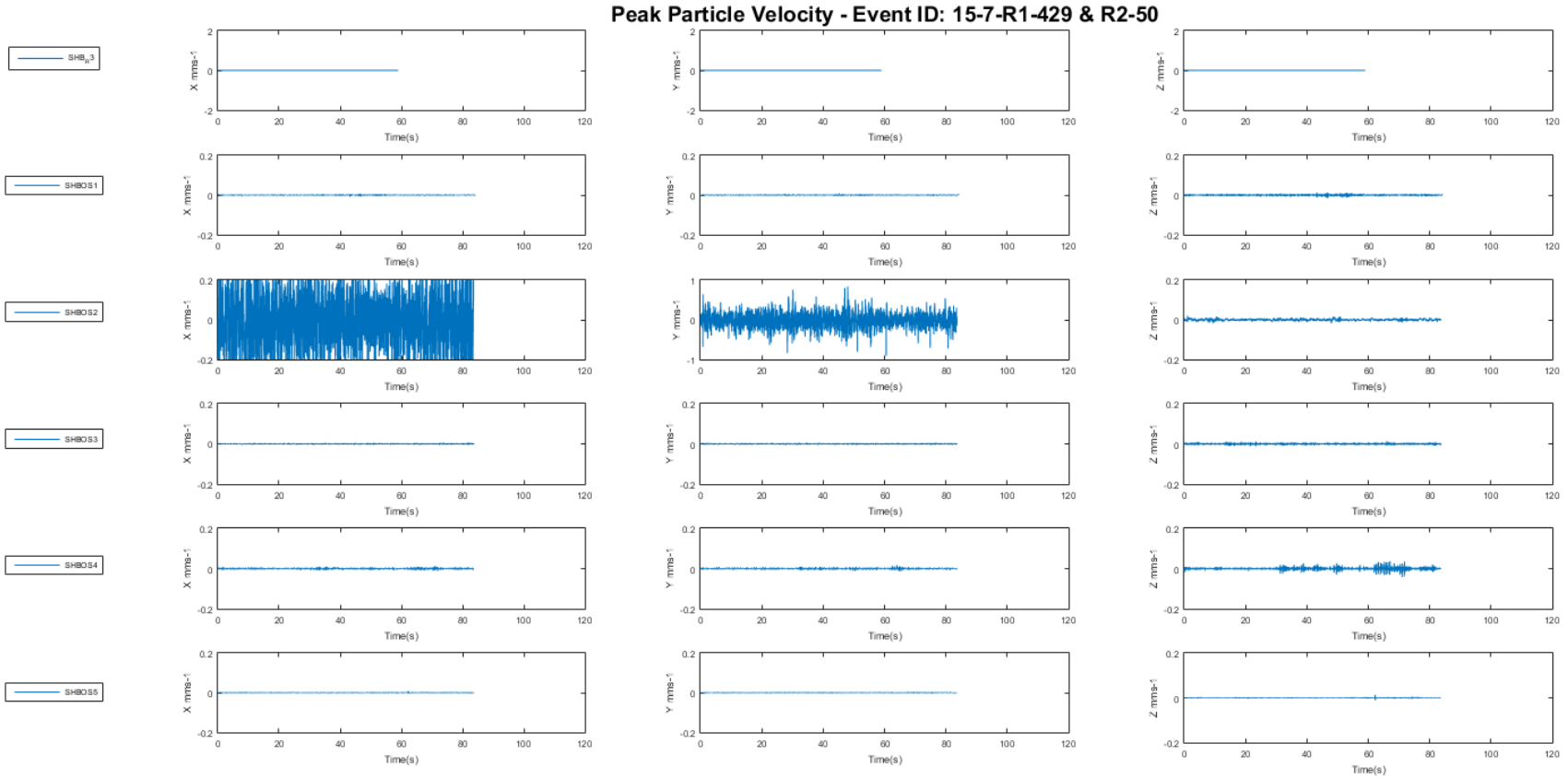


FIGURE 3.109: SHB_OS 1 - 5 15-7-R1-429 & R2-50

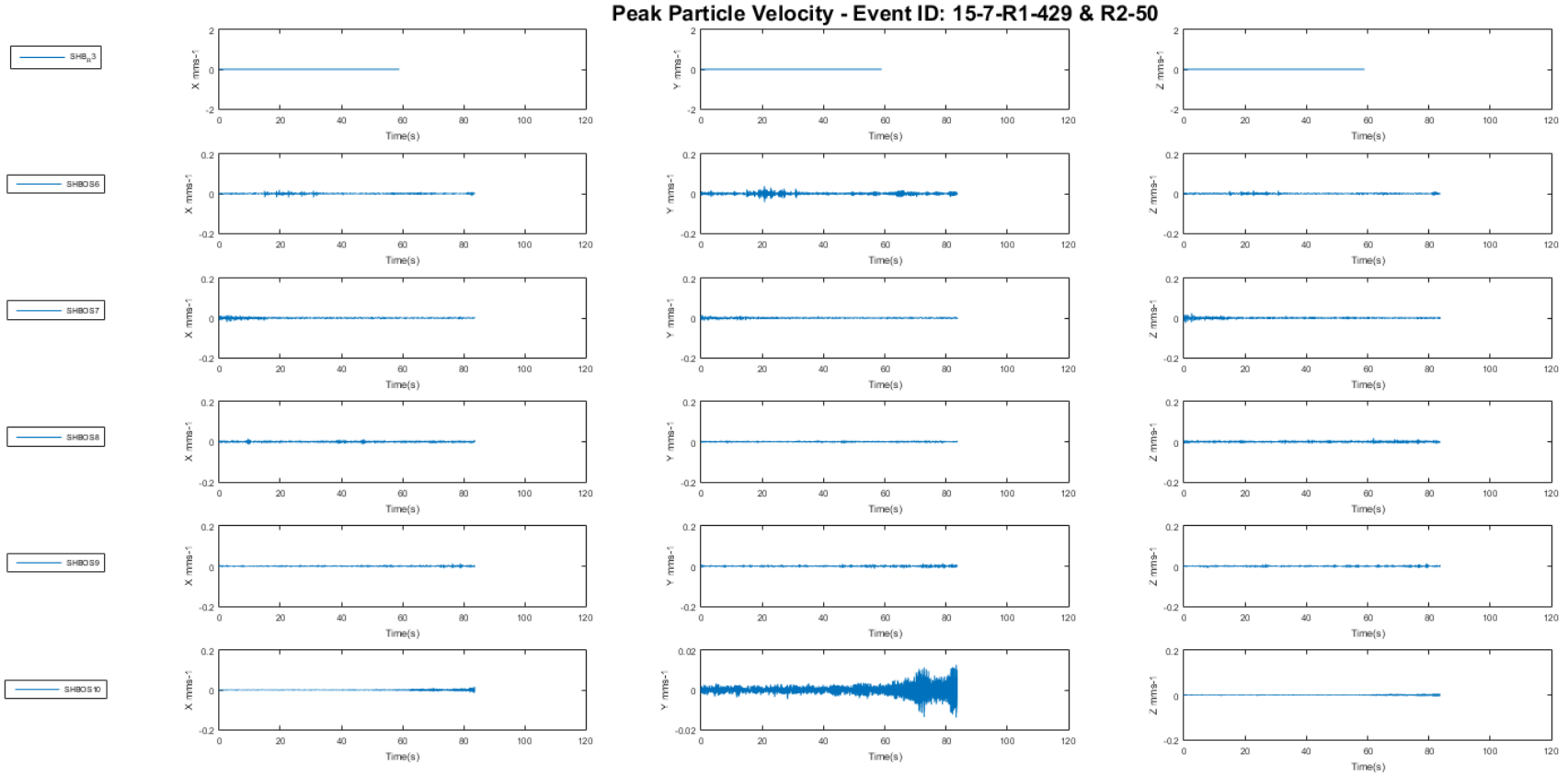


FIGURE 3.110: SHB_OS 6 - 10 15-7-R1-429 & R2-50

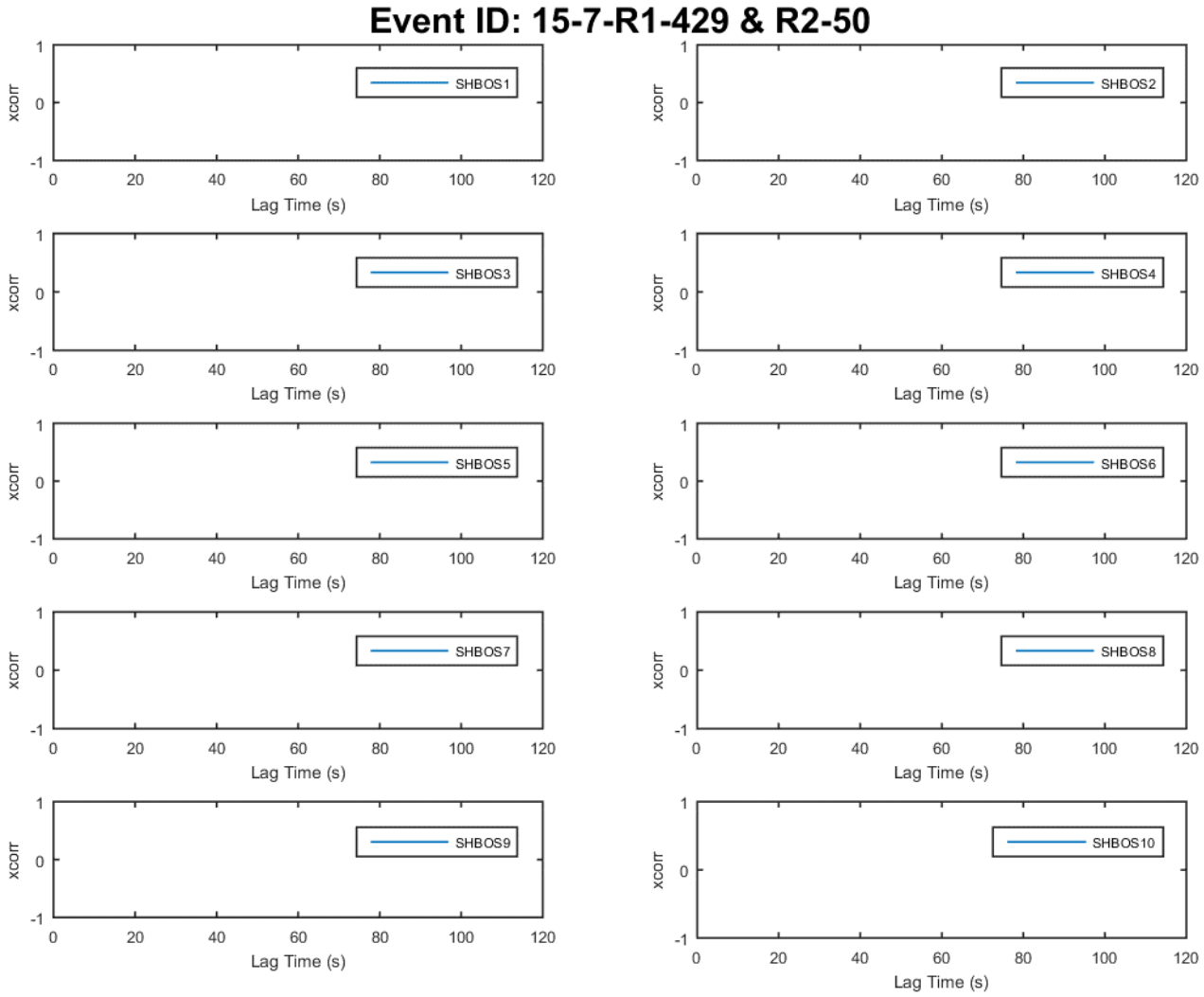


FIGURE 3.111: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-429 & R2-50

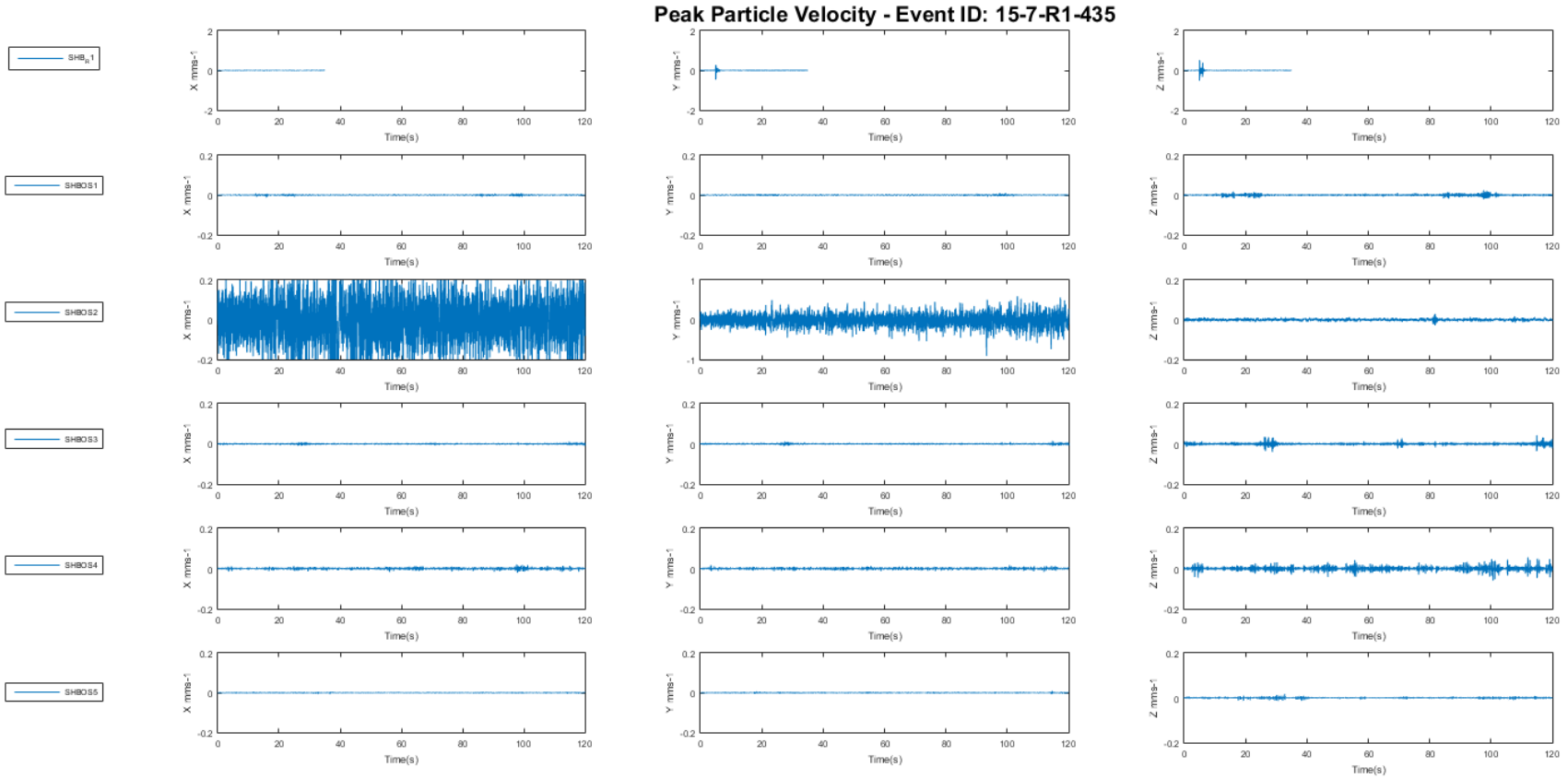


FIGURE 3.112: SHB_OS 1 - 5 15-7-R1-435

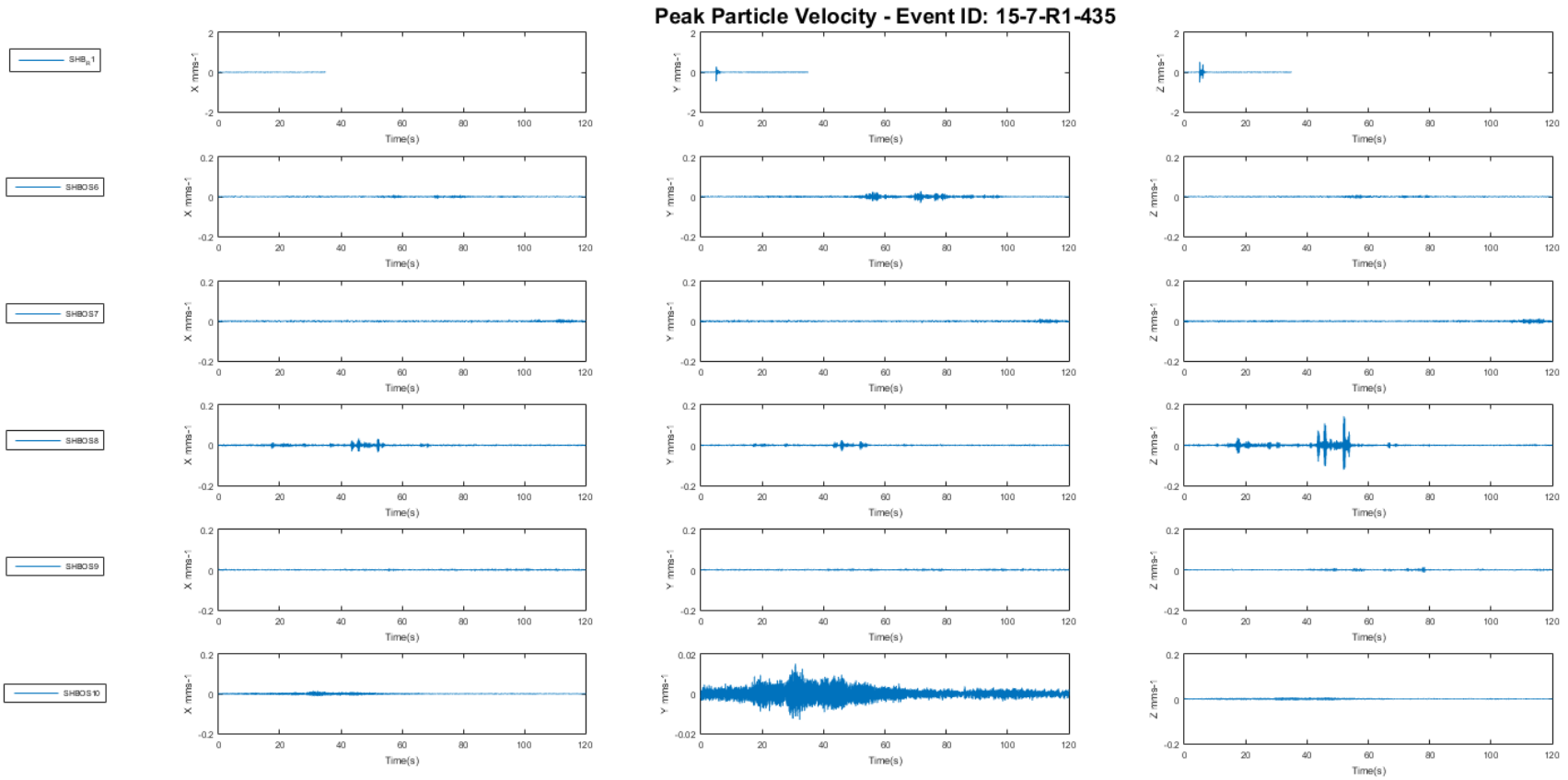


FIGURE 3.113: SHB_OS 6 - 10 15-7-R1-435

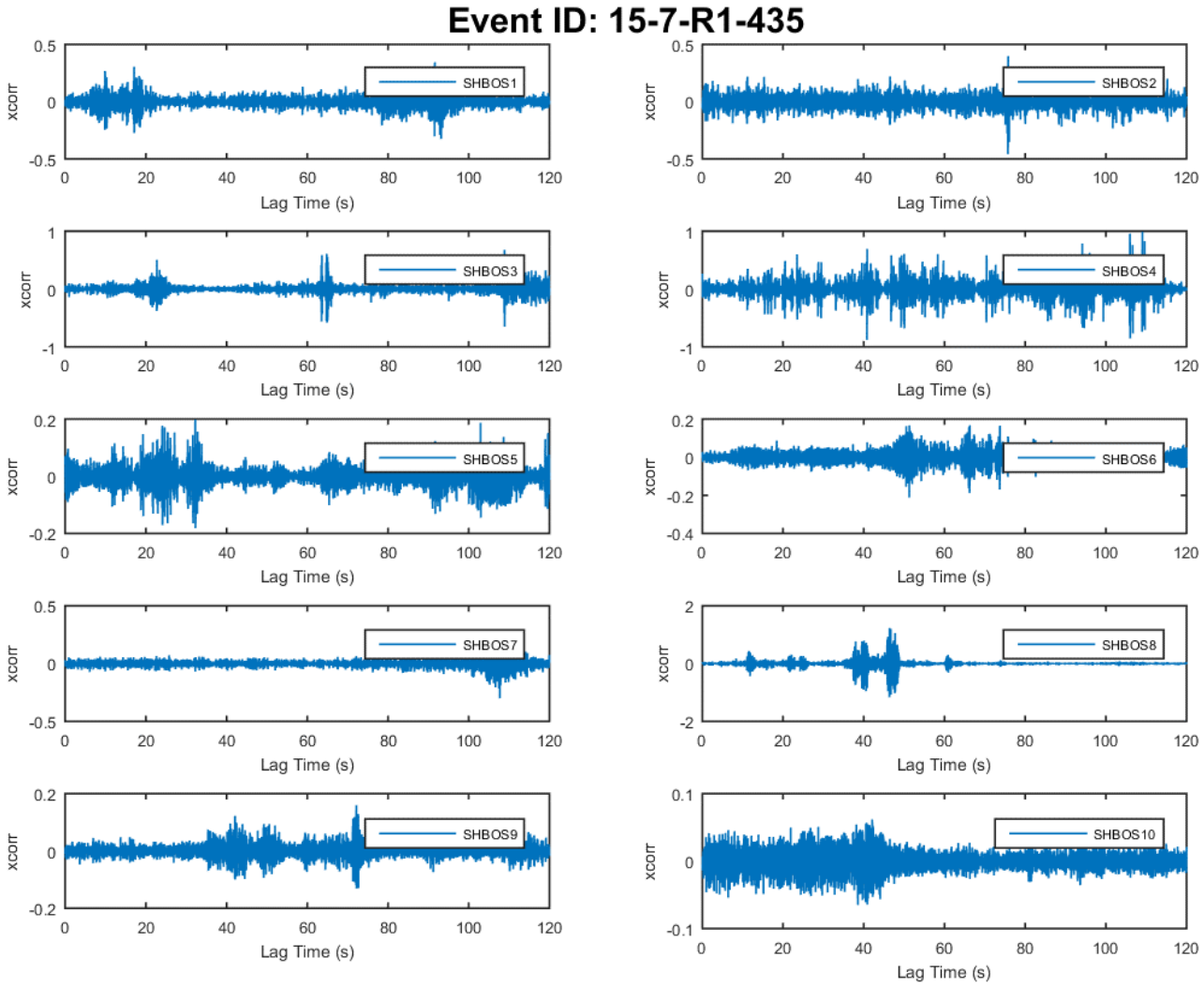


FIGURE 3.114: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-435

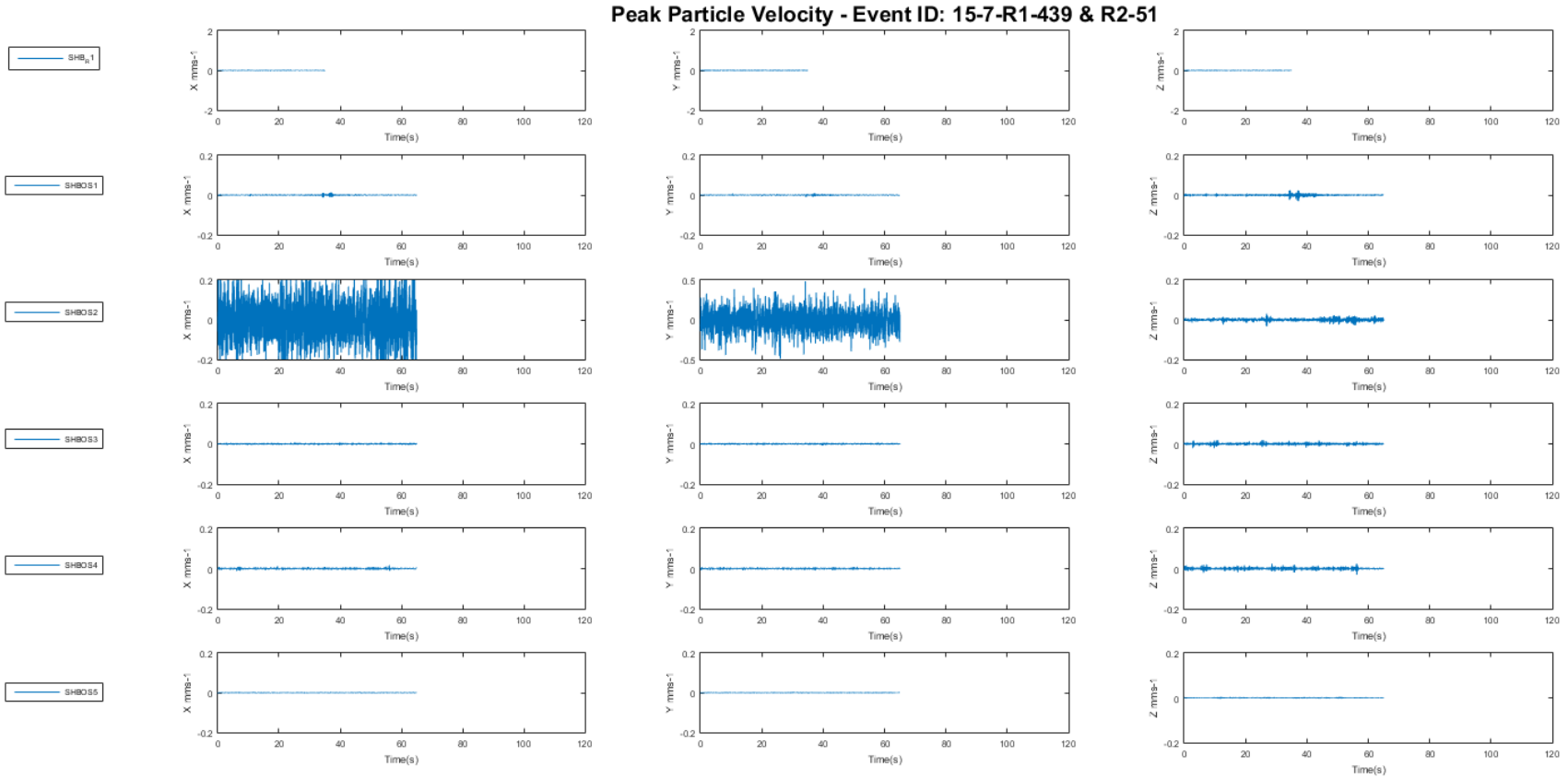


FIGURE 3.115: SHB_OS 1 - 5 15-7-R1-439 & R2-51

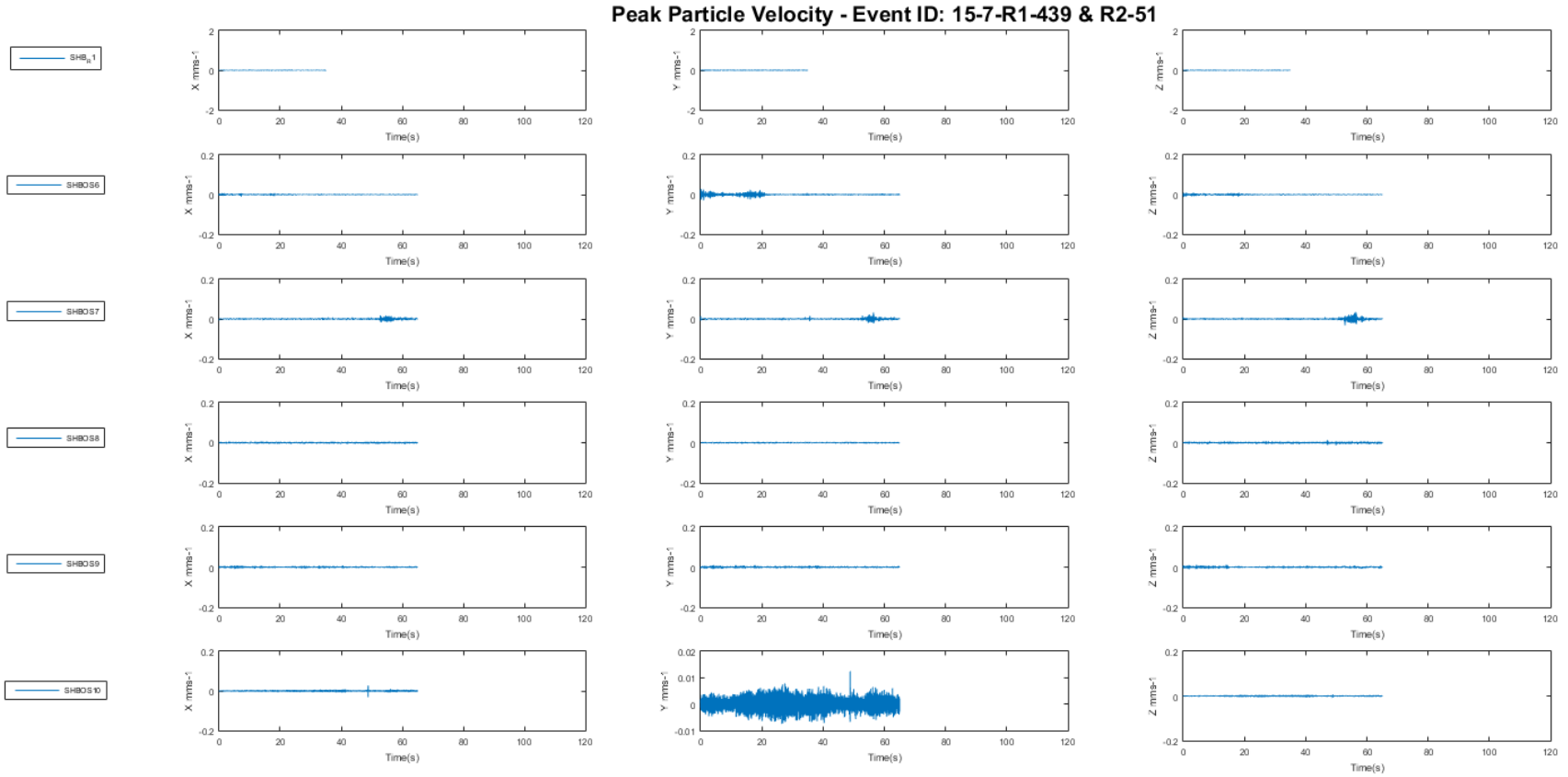


FIGURE 3.116: SHB_OS 6 - 10 15-7-R1-439 & R2-51

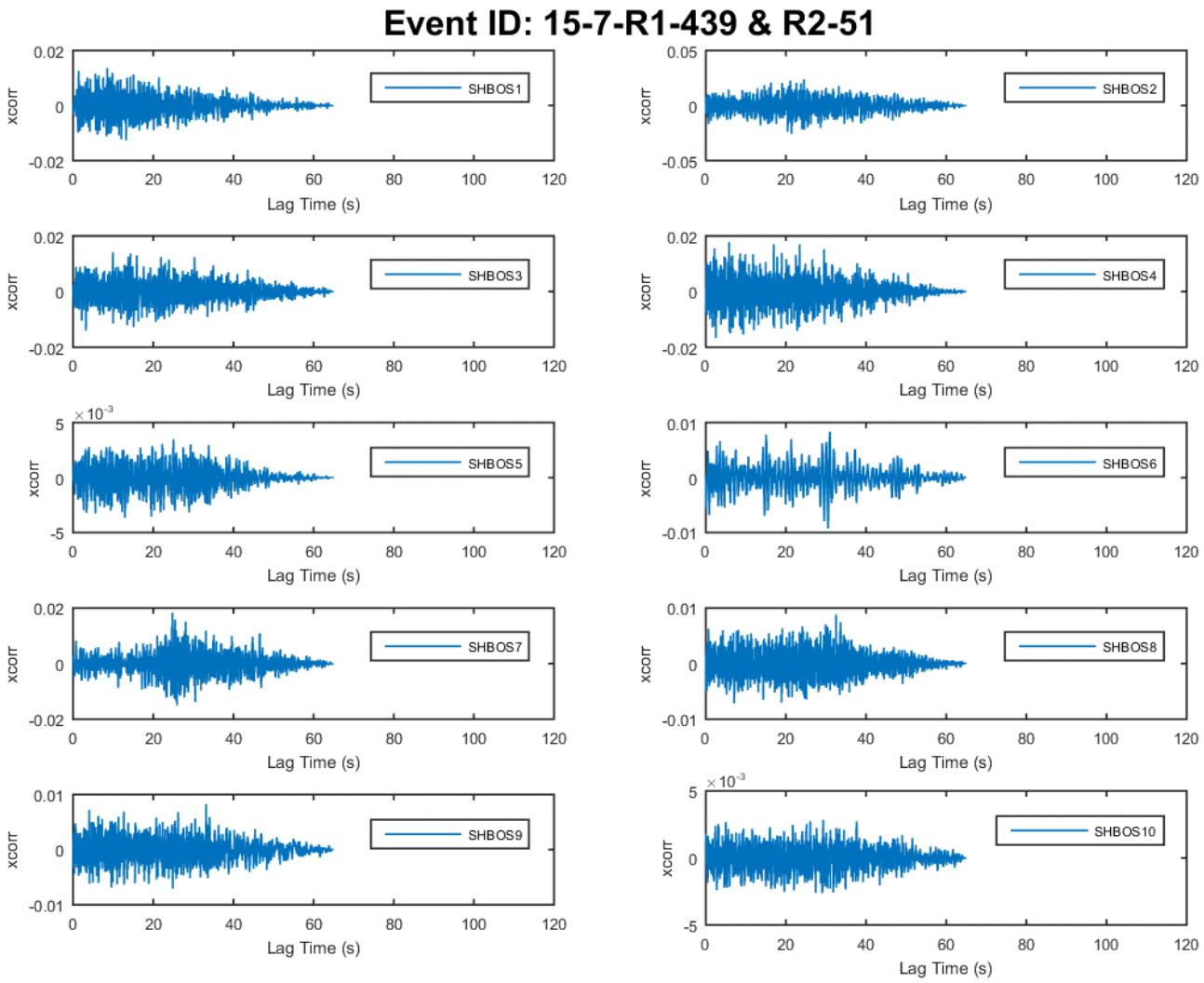


FIGURE 3.117: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-439 & R2-51

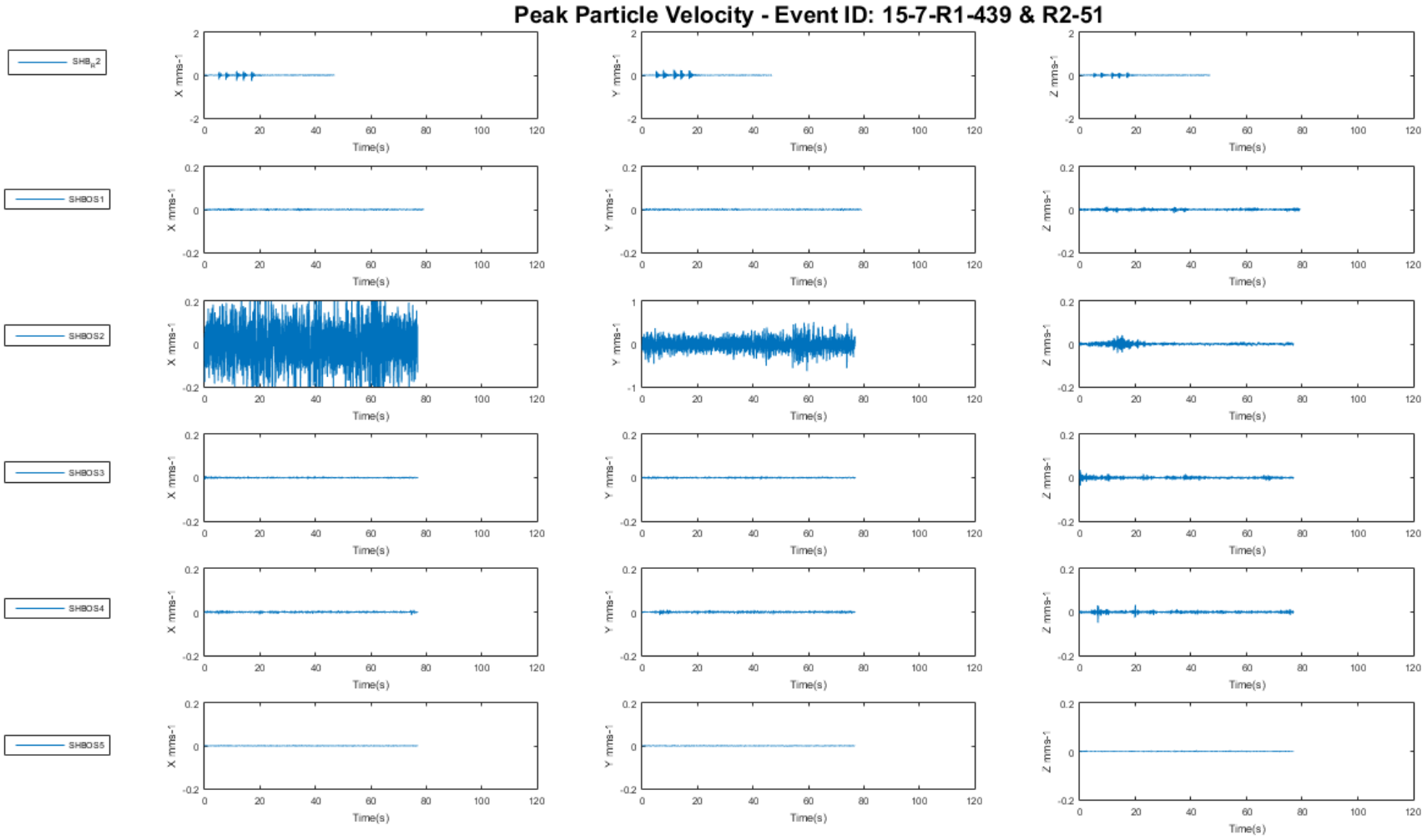


FIGURE 3.118: SHB_OS 1 - 5 15-7-R1-439 & R2-51

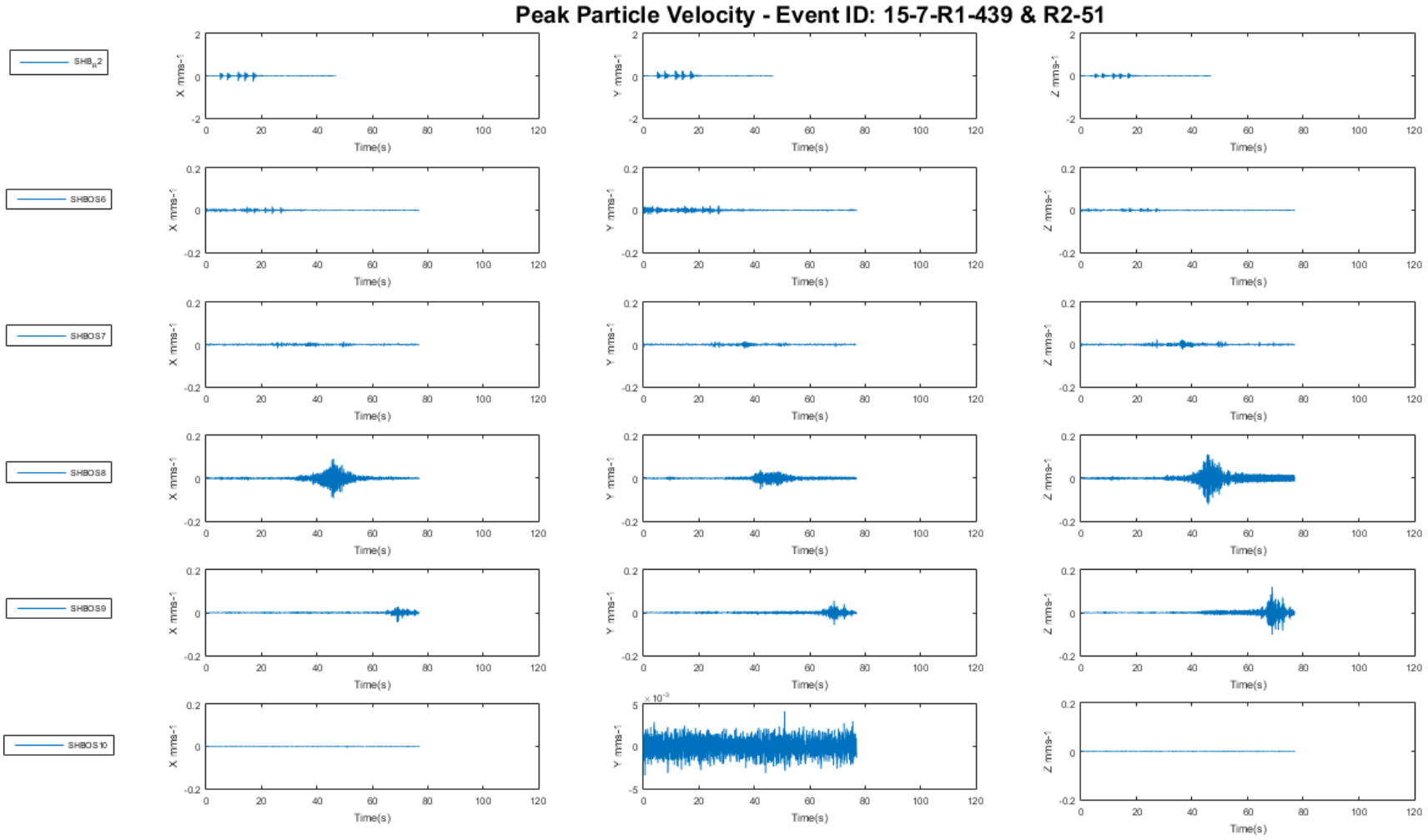


FIGURE 3.119: SHB_OS 6 - 10 15-7-R1-439 & R2-51

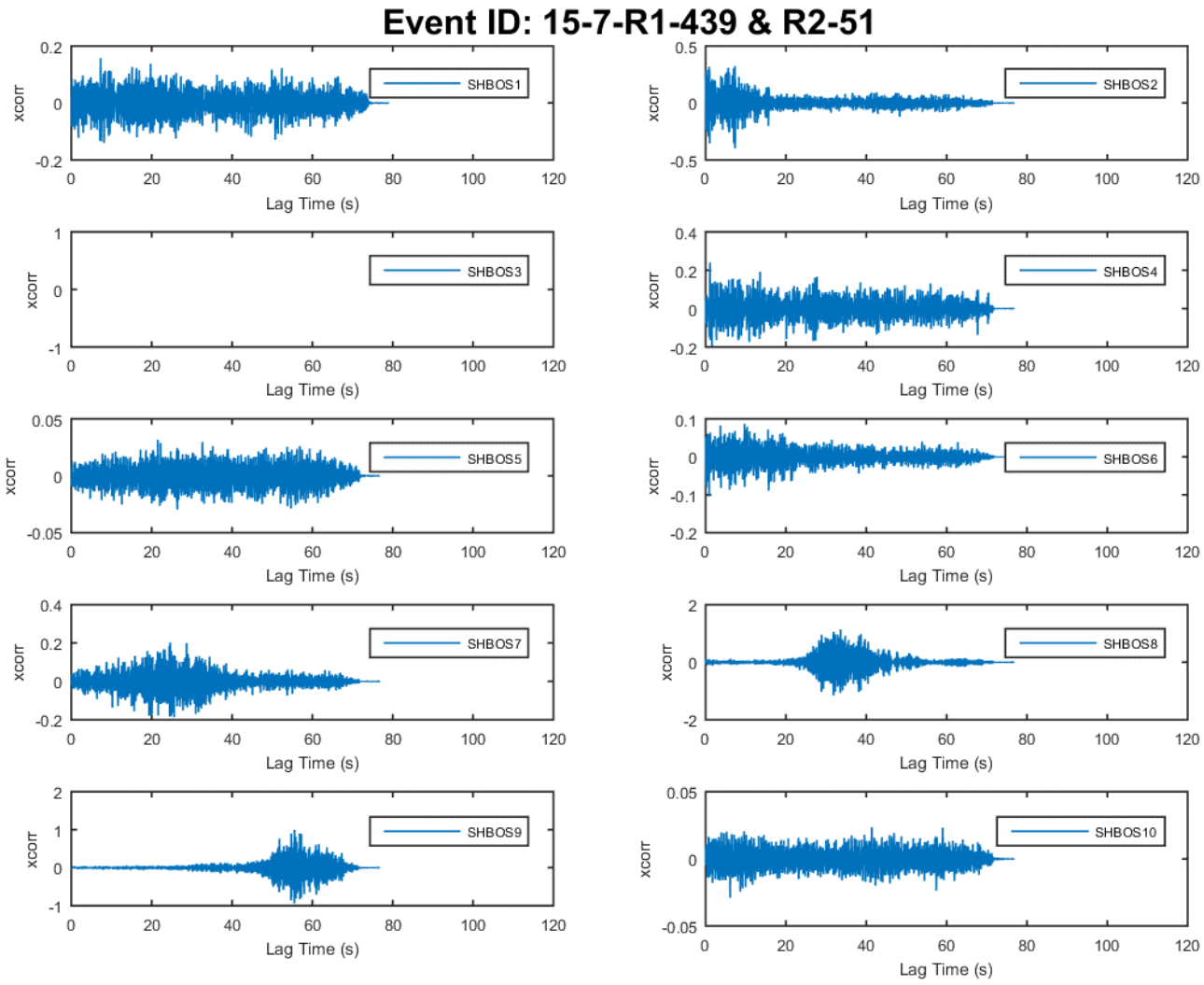


FIGURE 3.120: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-439 & R2-51

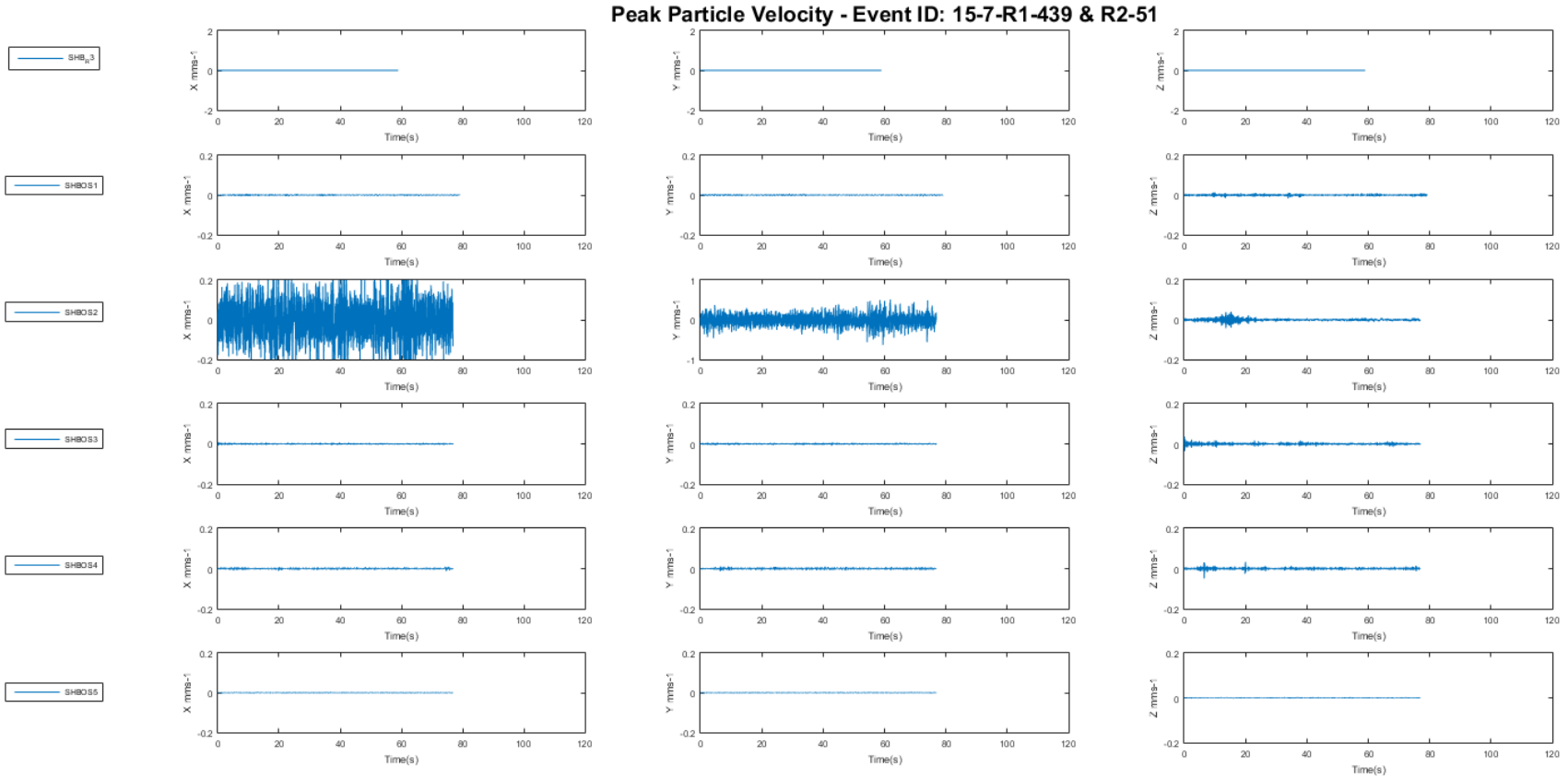


FIGURE 3.121: SHB_OS 1 - 5 15-7-R1-439 & R2-51

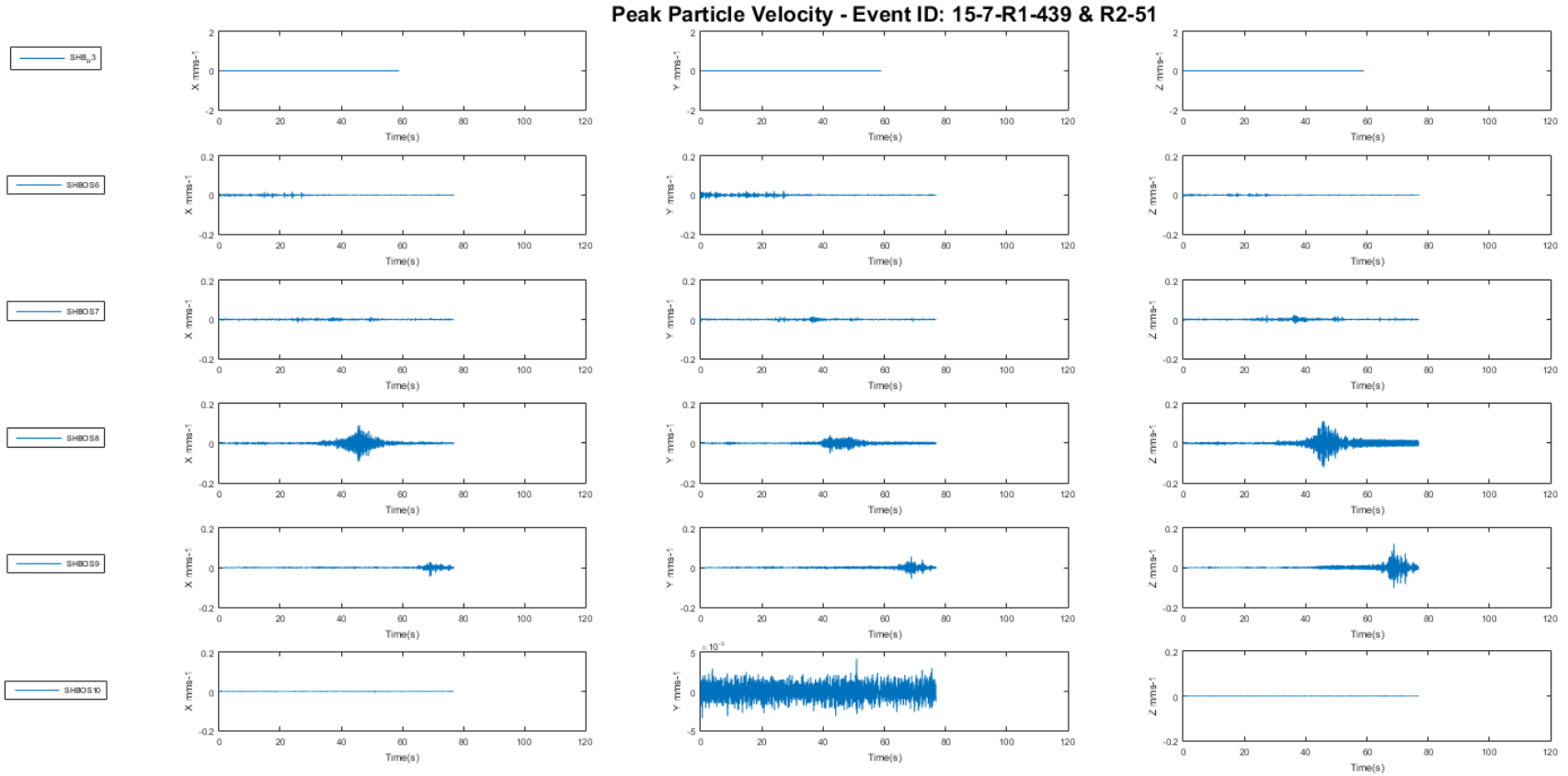


FIGURE 3.122: SHB_OS 6 - 10 15-7-R1-439 & R2-51

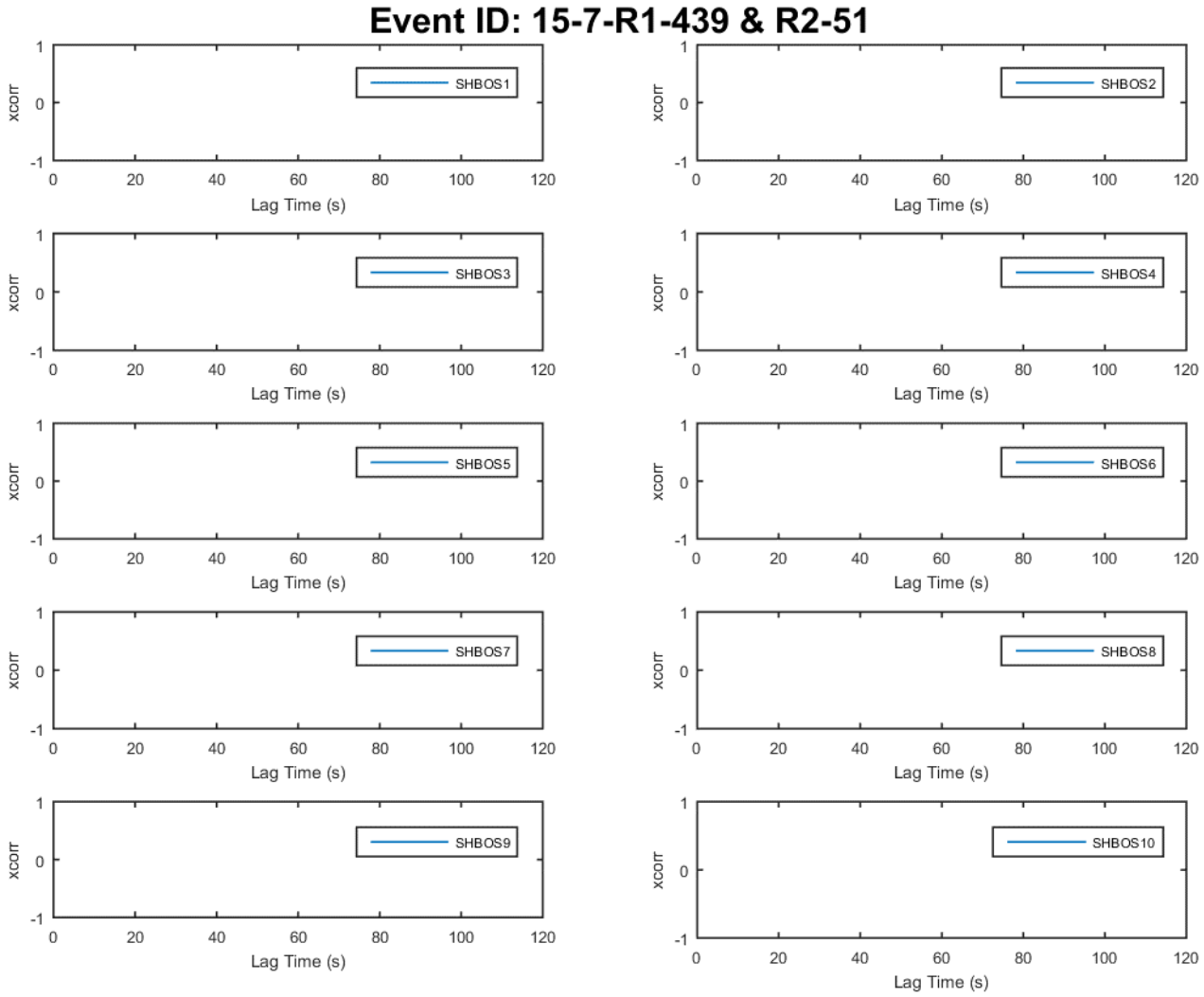


FIGURE 3.123: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-439 & R2-51

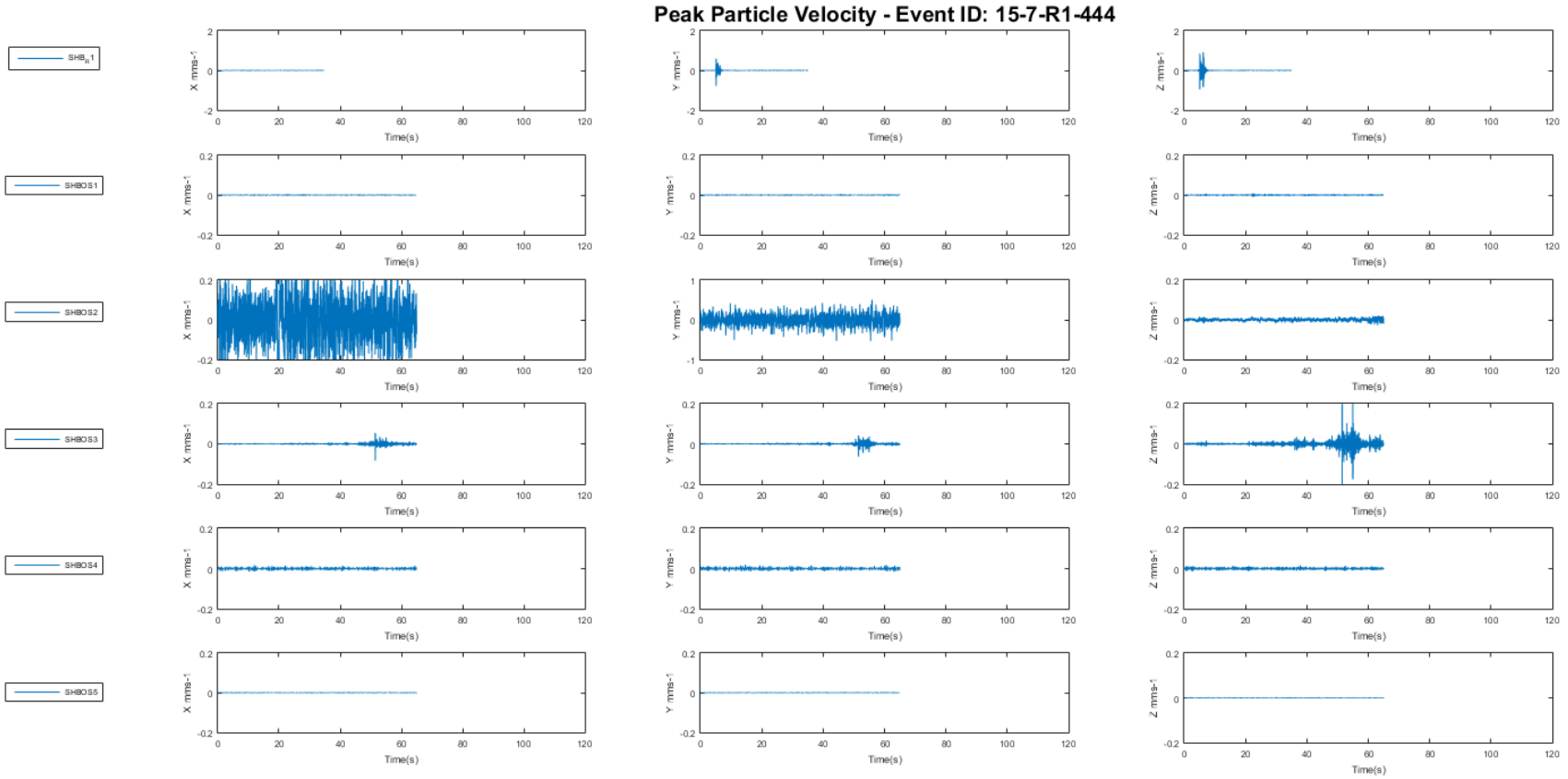


FIGURE 3.124: SHB_OS 1 - 5 15-7-R1-444

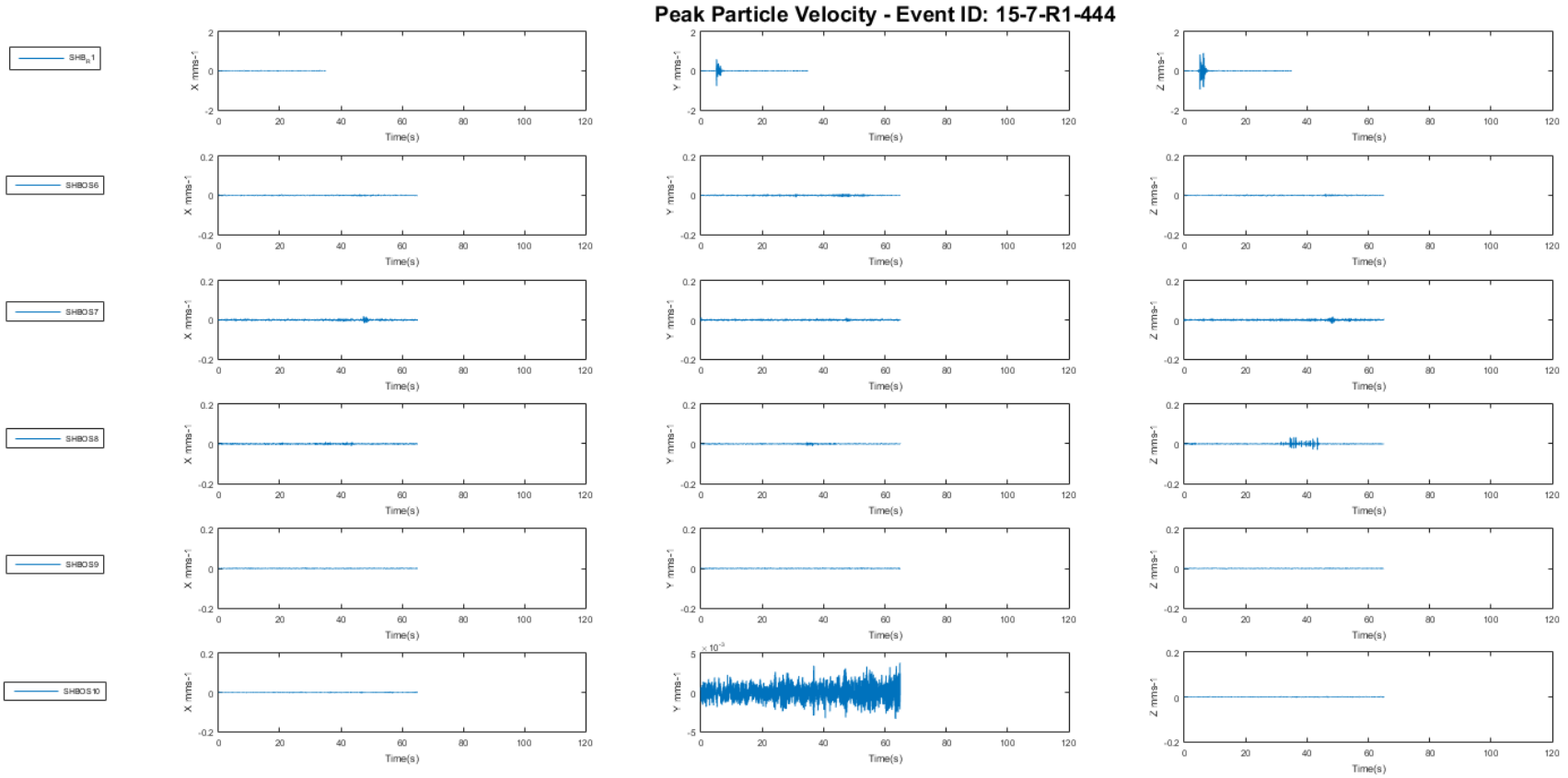


FIGURE 3.125: SHB_OS 6 - 10 15-7-R1-444

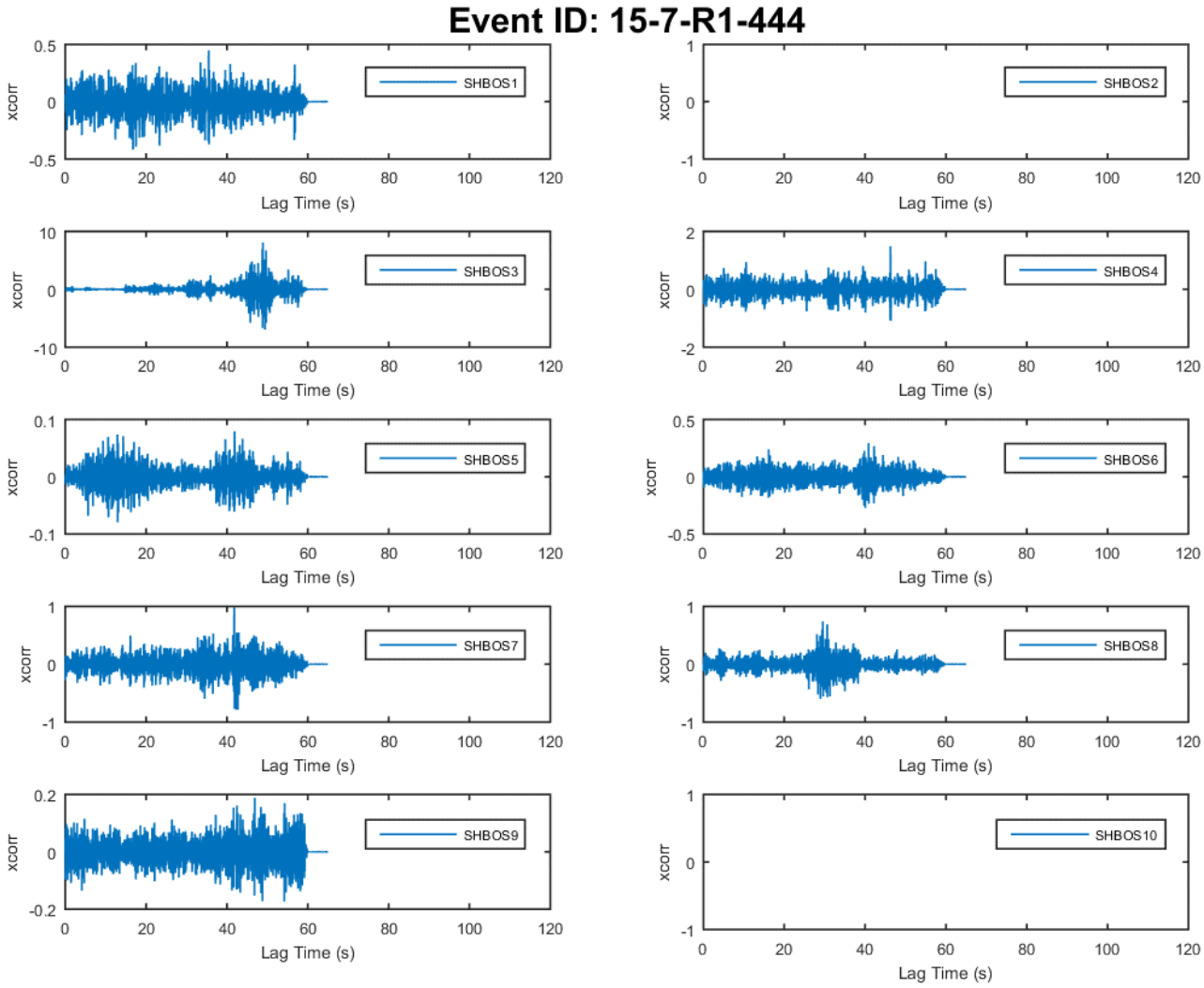


FIGURE 3.126: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-444

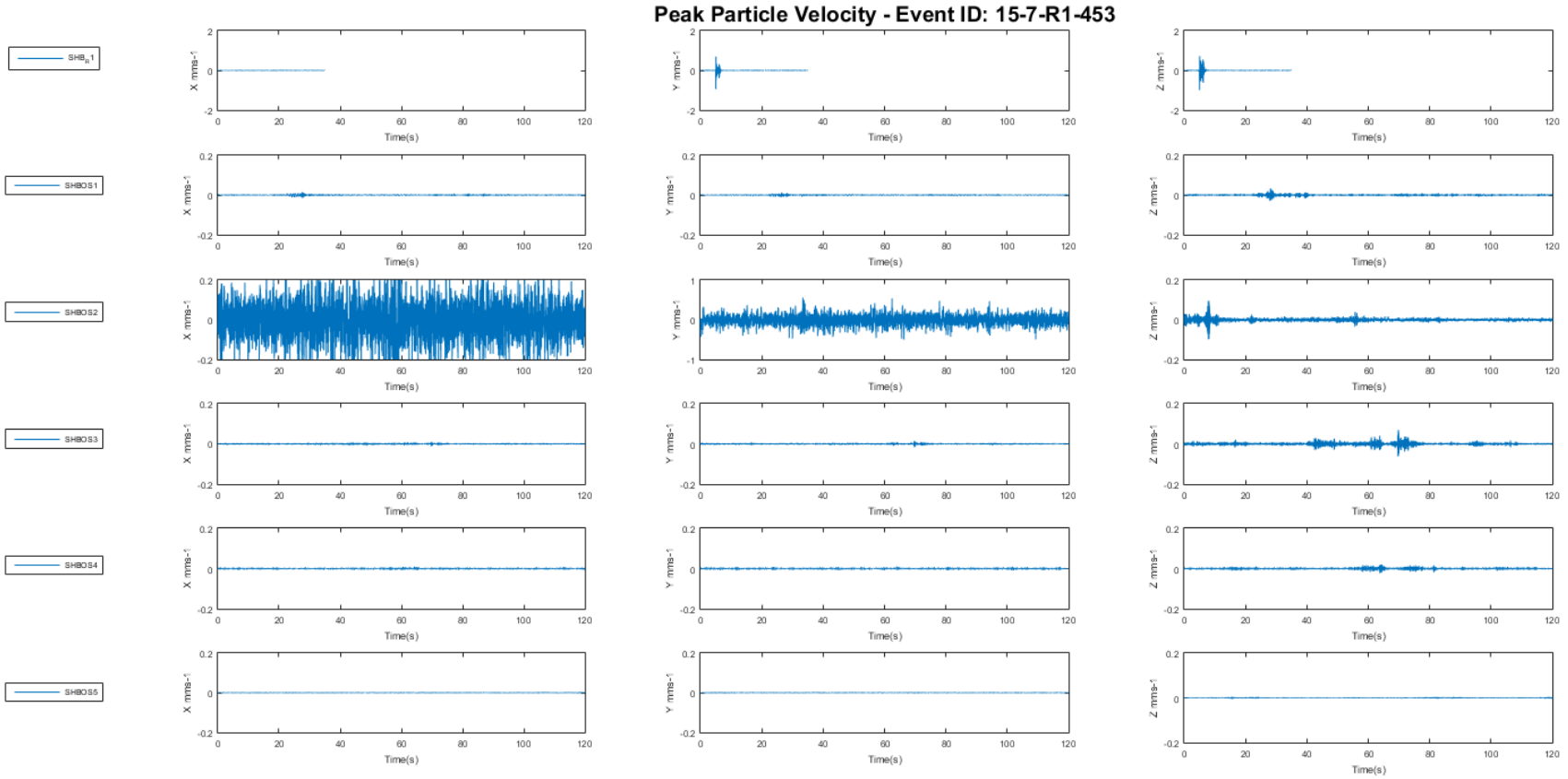


FIGURE 3.127: SHB_OS 1 - 5 15-7-R1-453

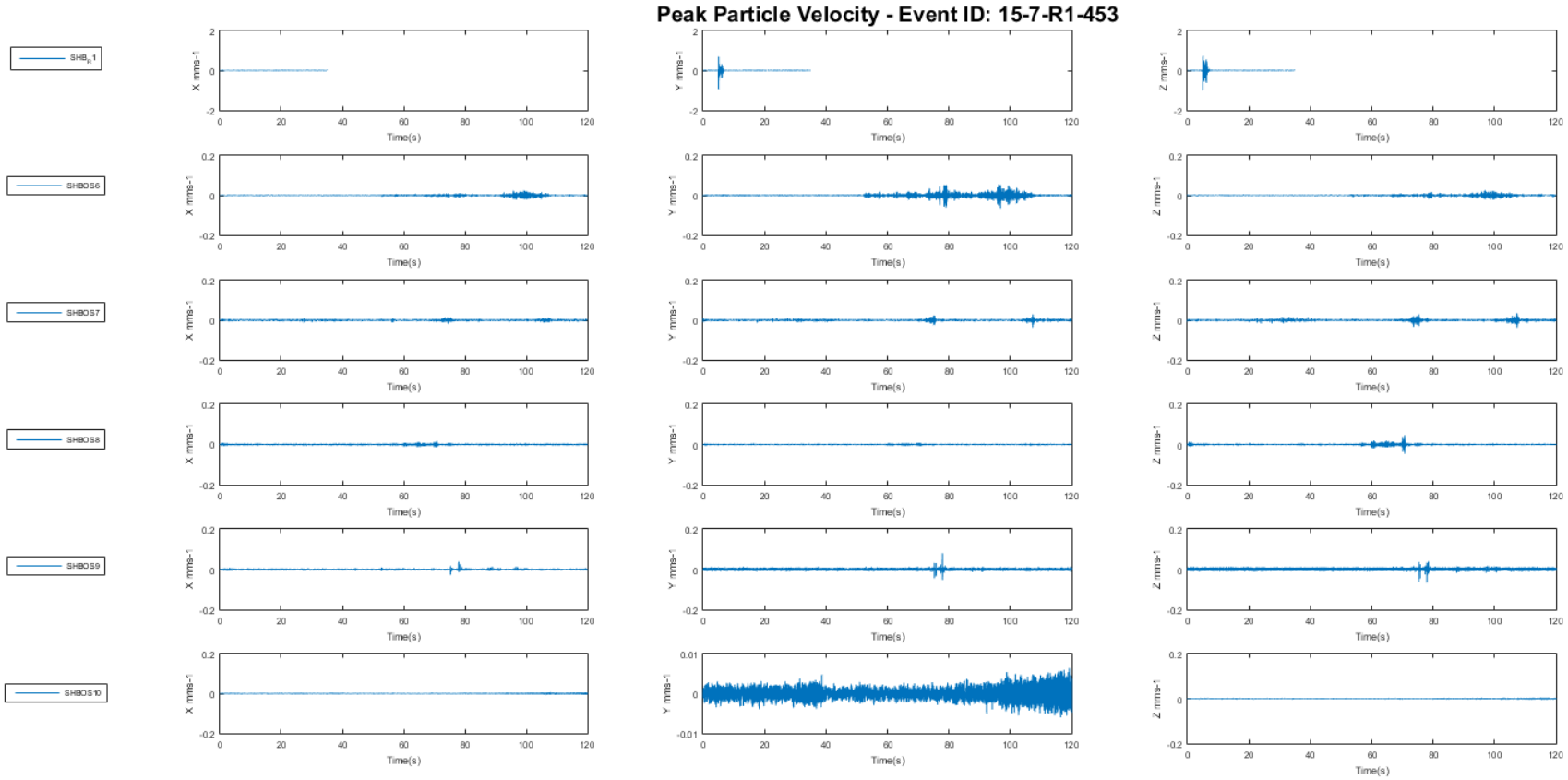


FIGURE 3.128: SHB_OS 6 - 10 15-7-R1-453

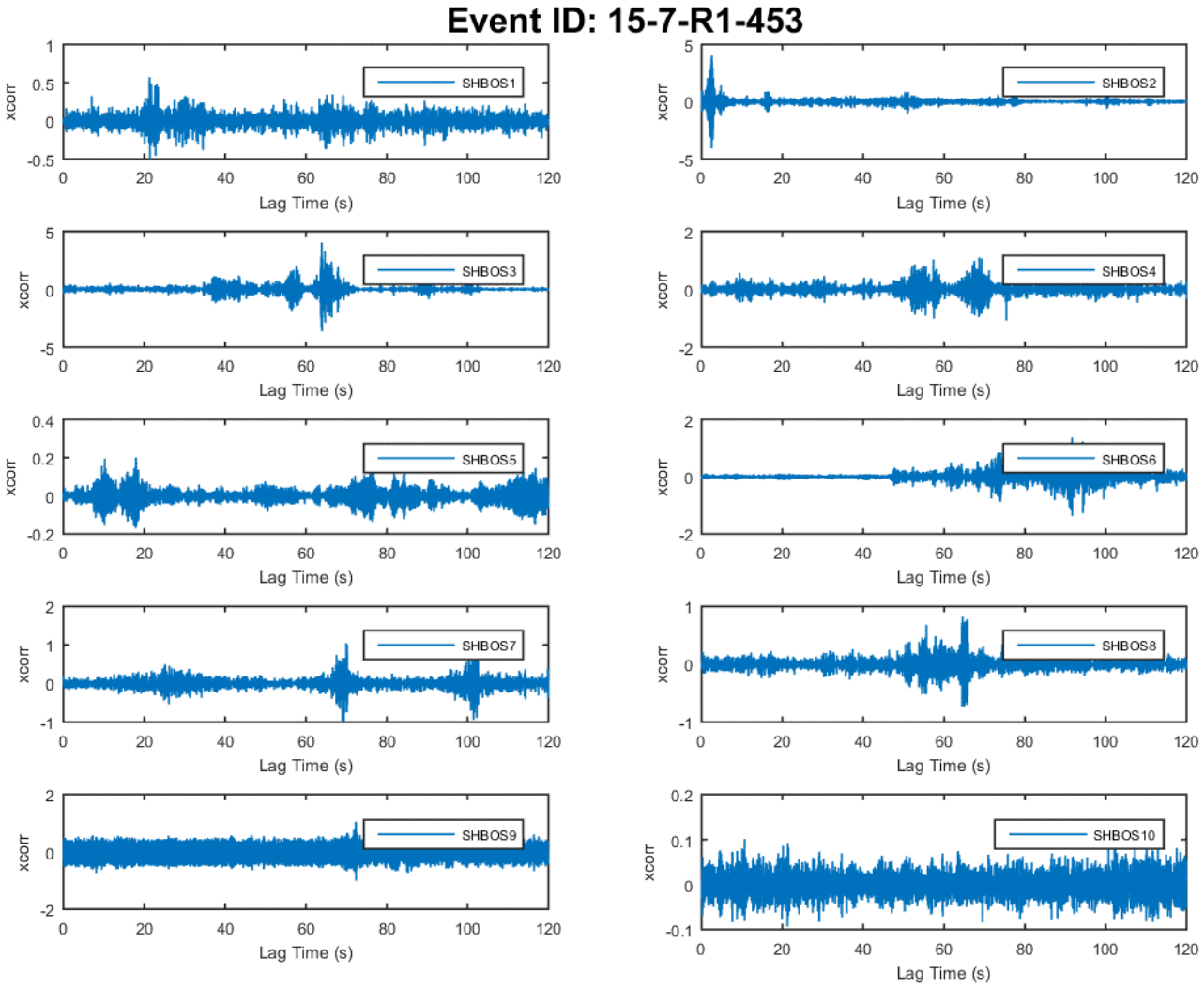


FIGURE 3.129: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-453

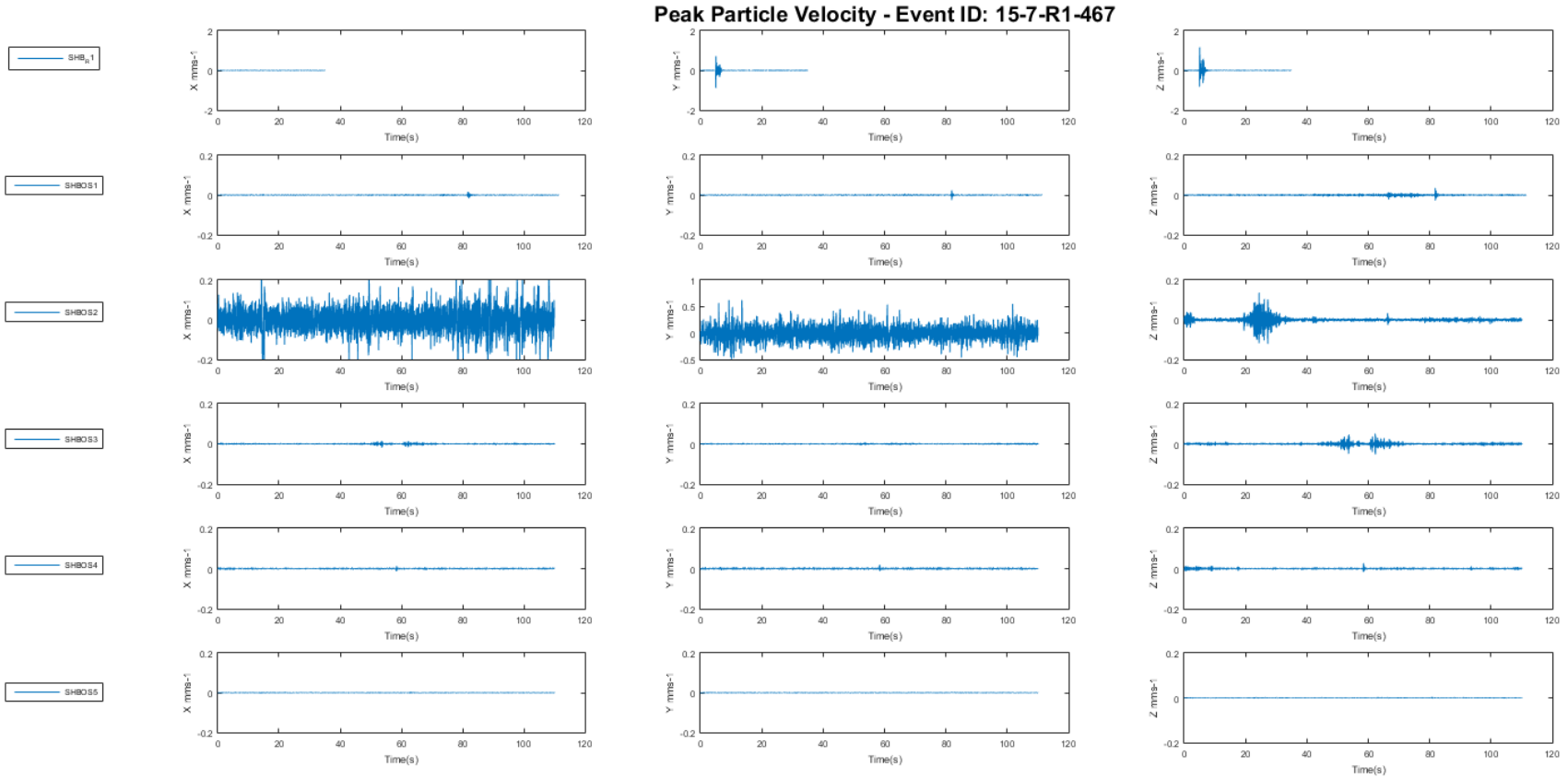


FIGURE 3.130: SHB_OS 1 - 5 15-7-R1-467

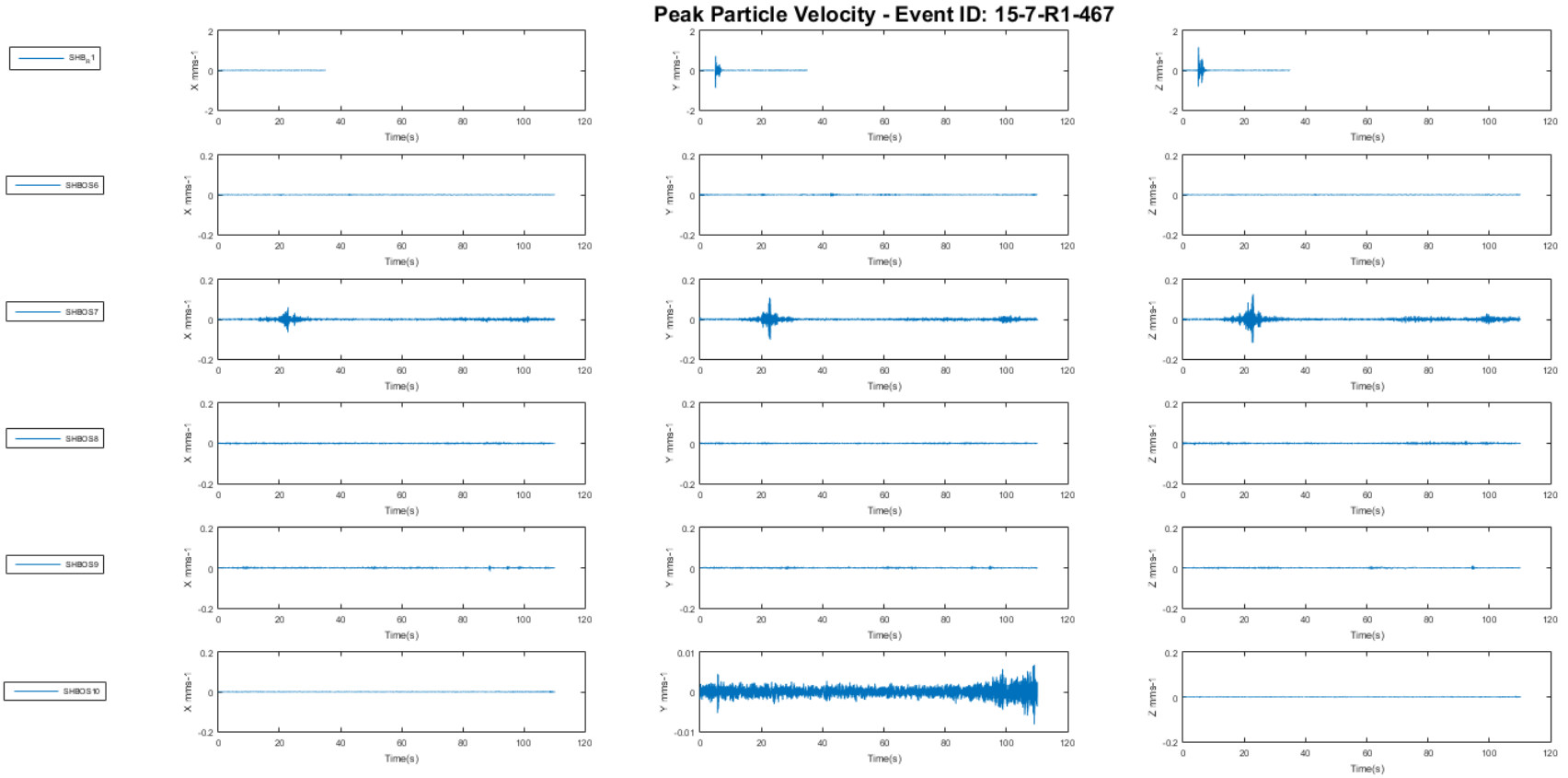


FIGURE 3.131: SHB_OS 6 - 10 15-7-R1-467

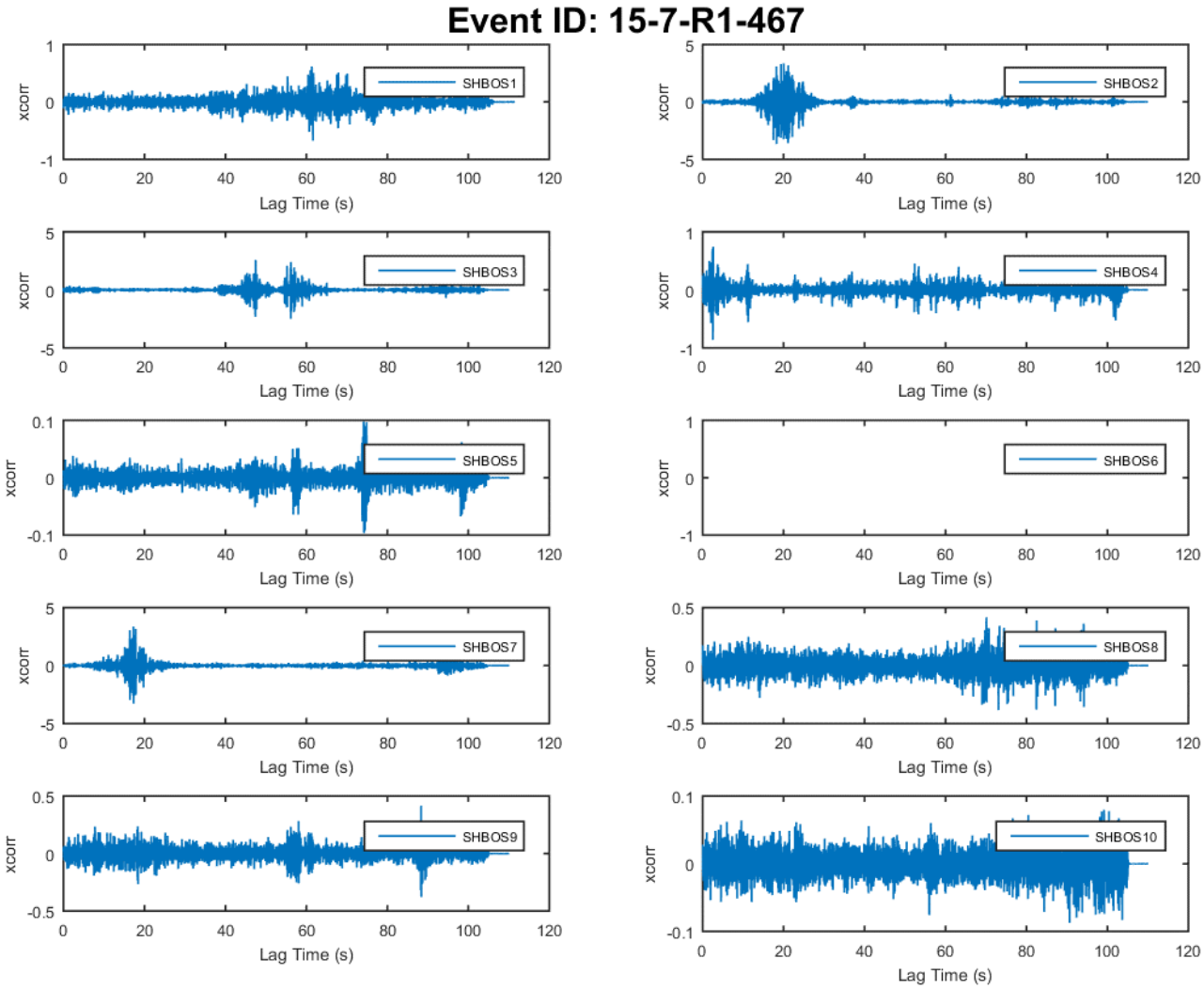


FIGURE 3.132: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-467

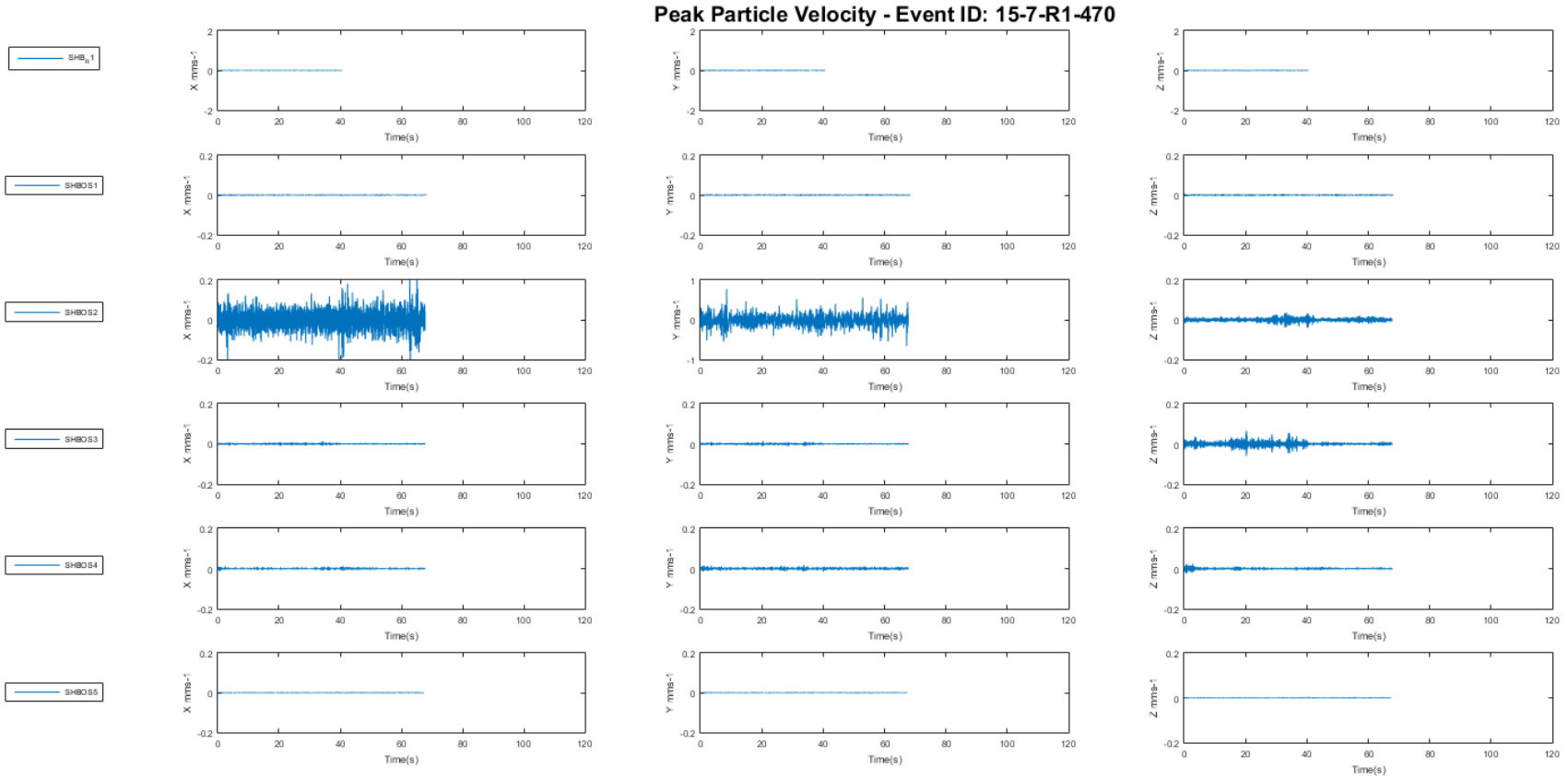


FIGURE 3.133: SHB_OS 1 - 5 15-7-R1-470

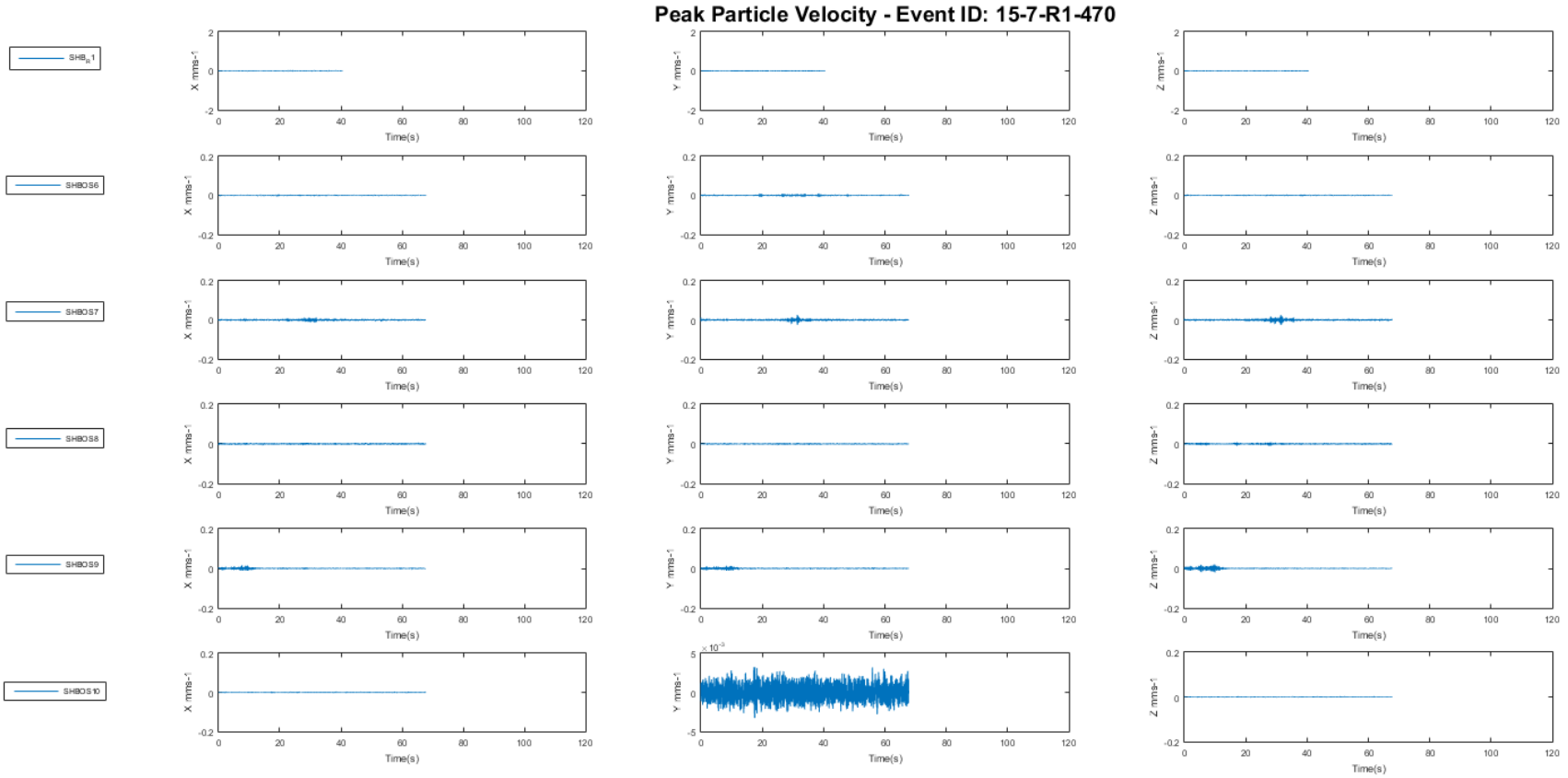


FIGURE 3.134: SHB_OS 6 - 10 15-7-R1-470

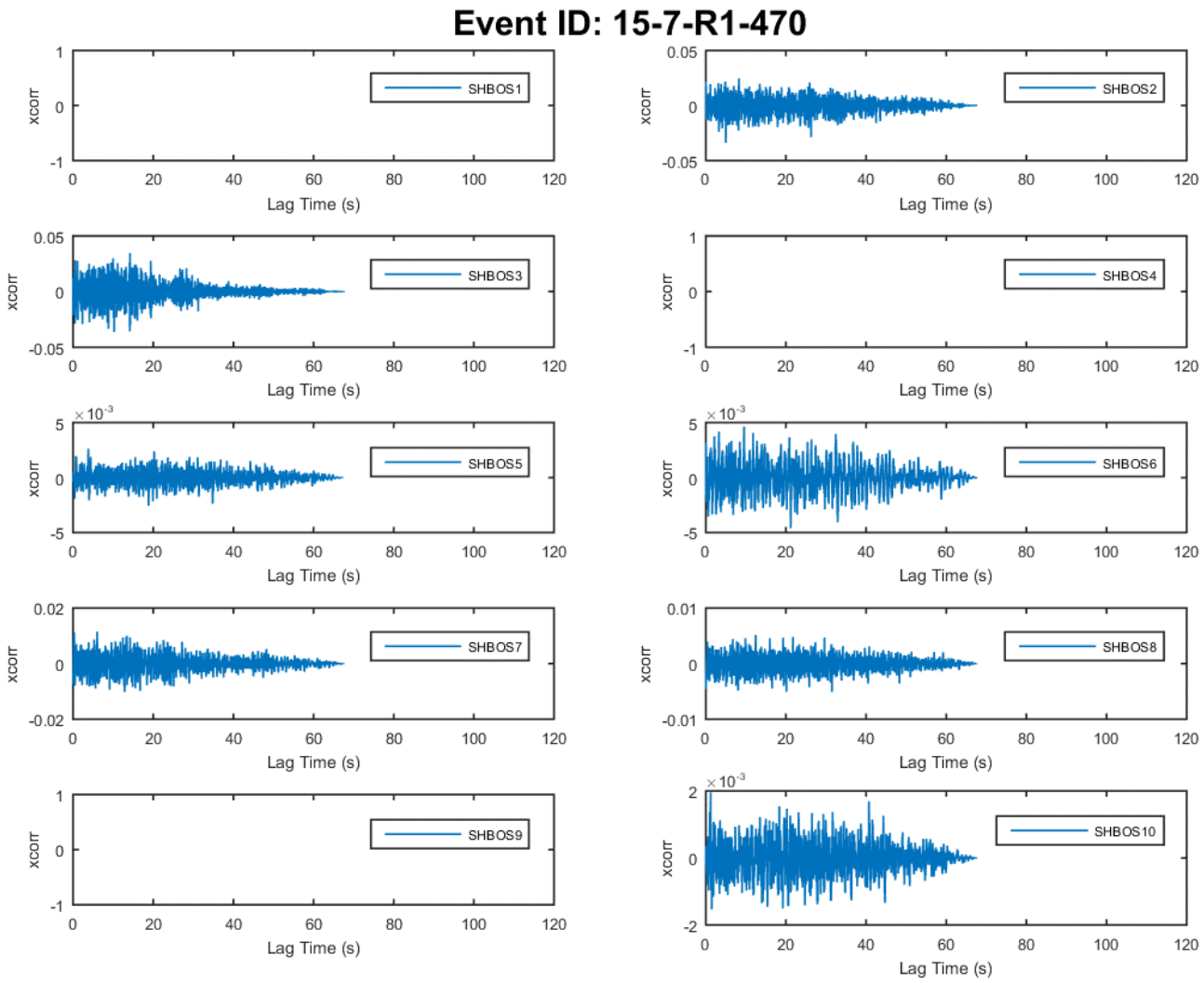


FIGURE 3.135: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-470

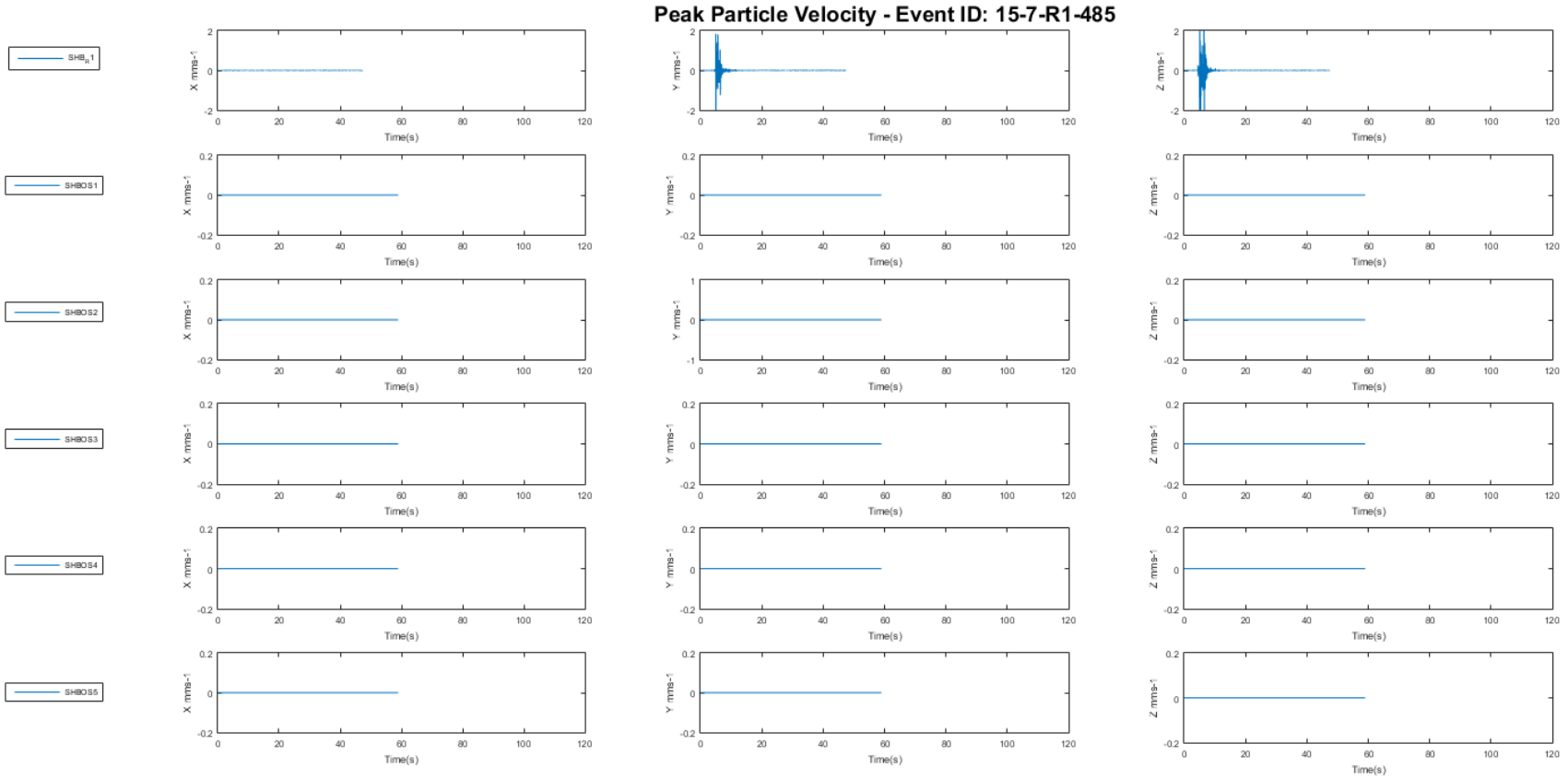


FIGURE 3.136: SHB_OS 1 - 5 15-7-R1-485

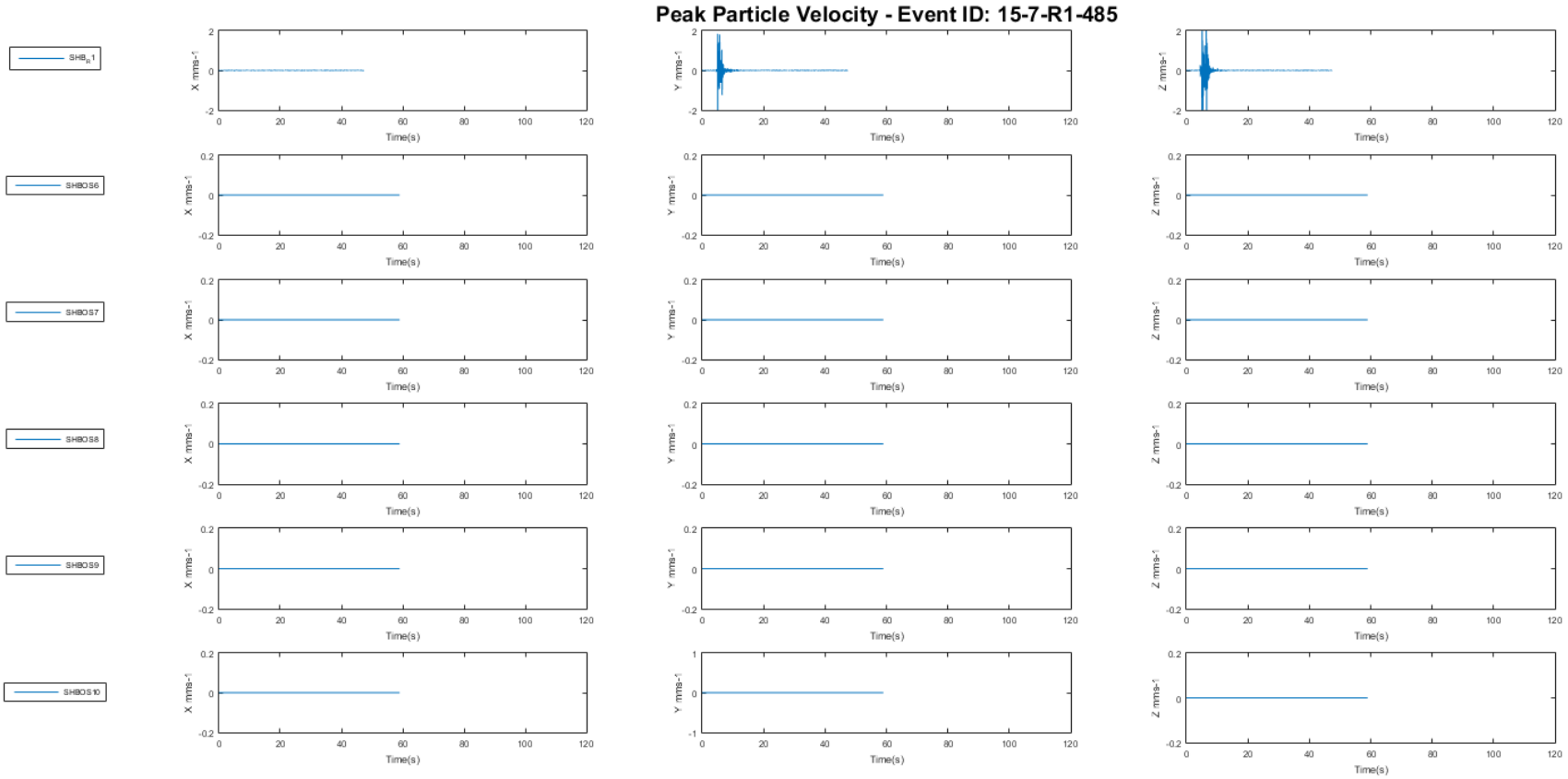


FIGURE 3.137: SHB_OS 6 - 10 15-7-R1-485

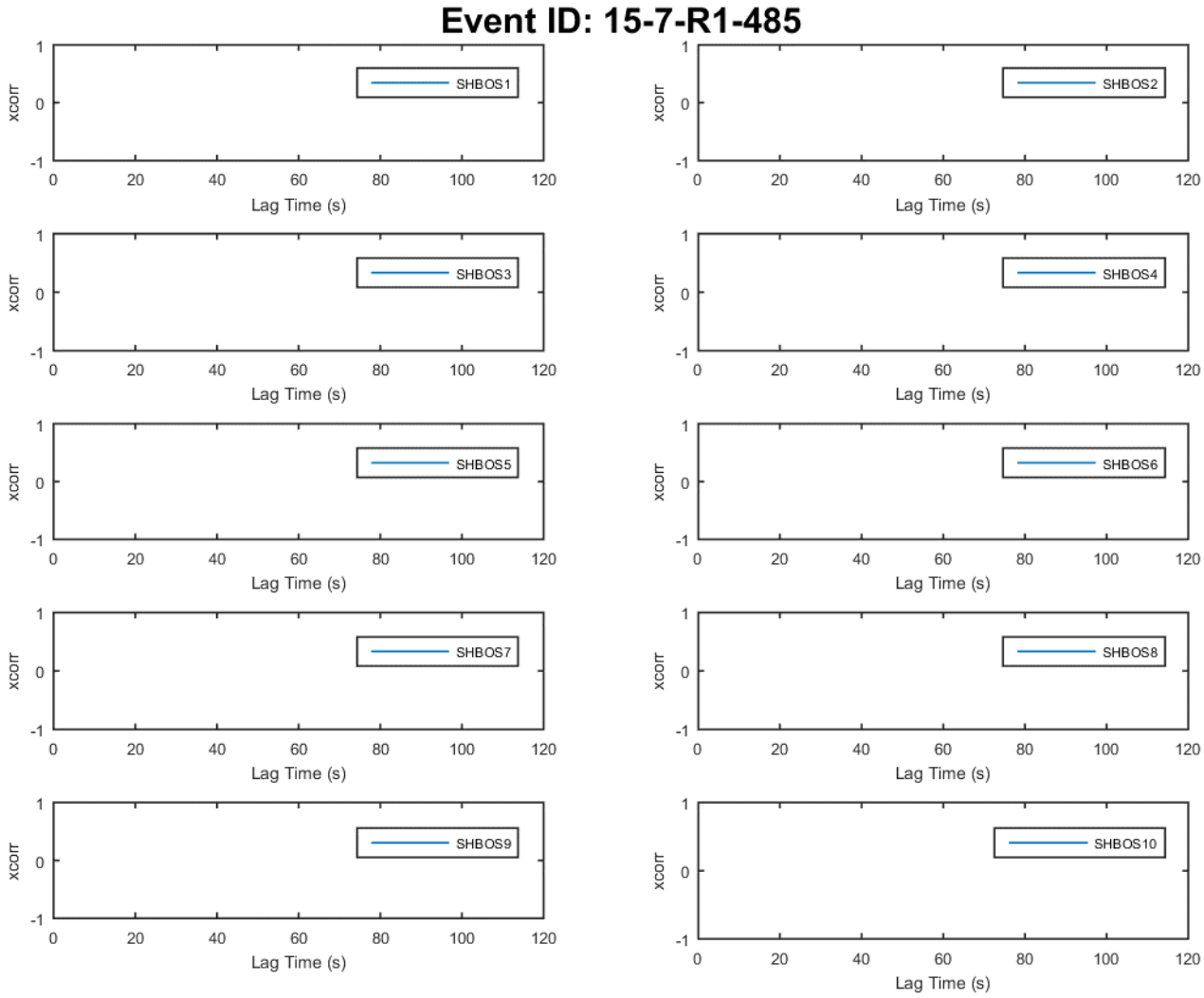


FIGURE 3.138: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-485

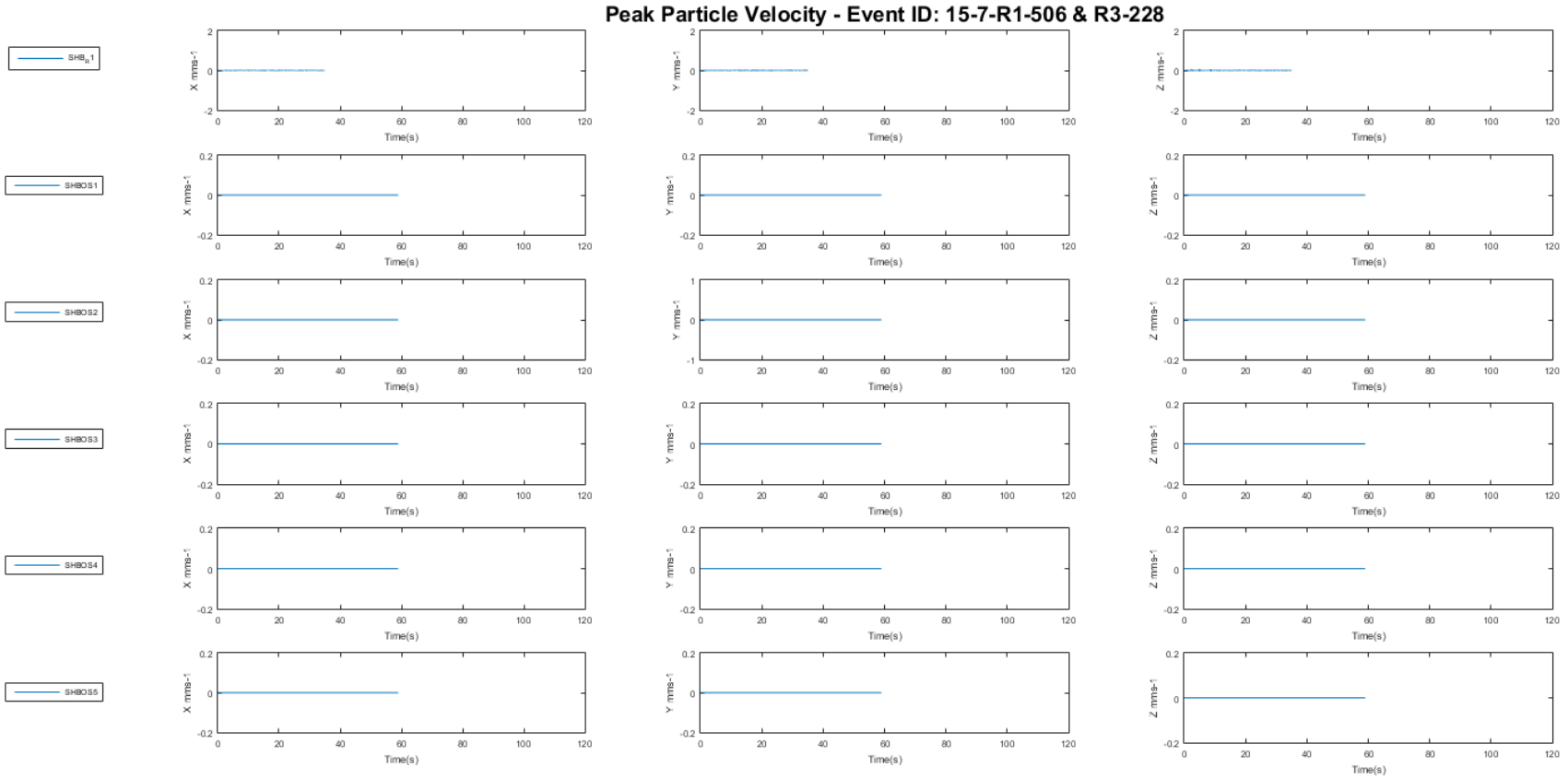


FIGURE 3.139: SHB_OS 1 - 5 15-7-R1-506 & R3-228

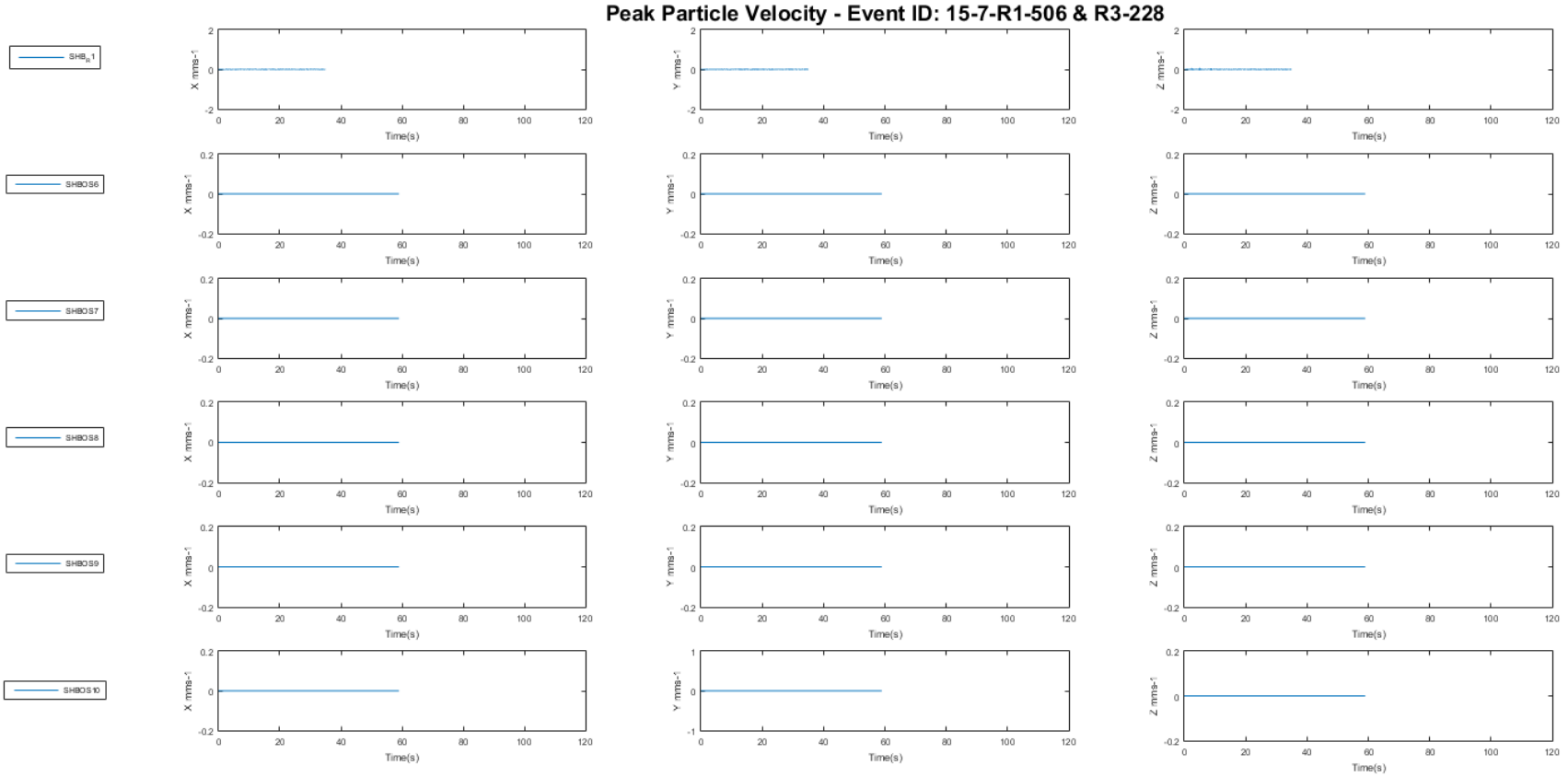


FIGURE 3.140: SHB_OS 6 - 10 15-7-R1-506 & R3-228

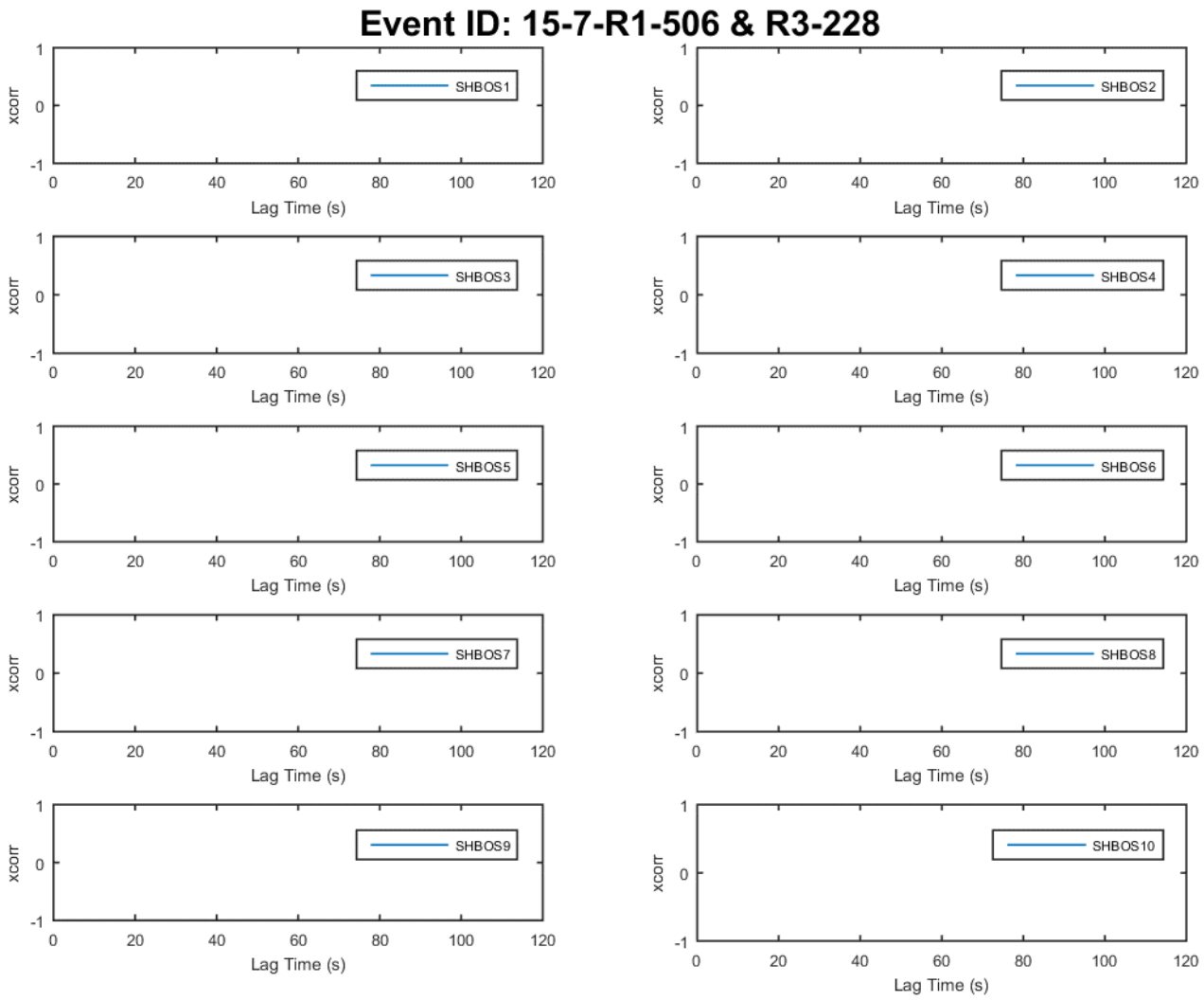


FIGURE 3.141: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-506 & R3-228

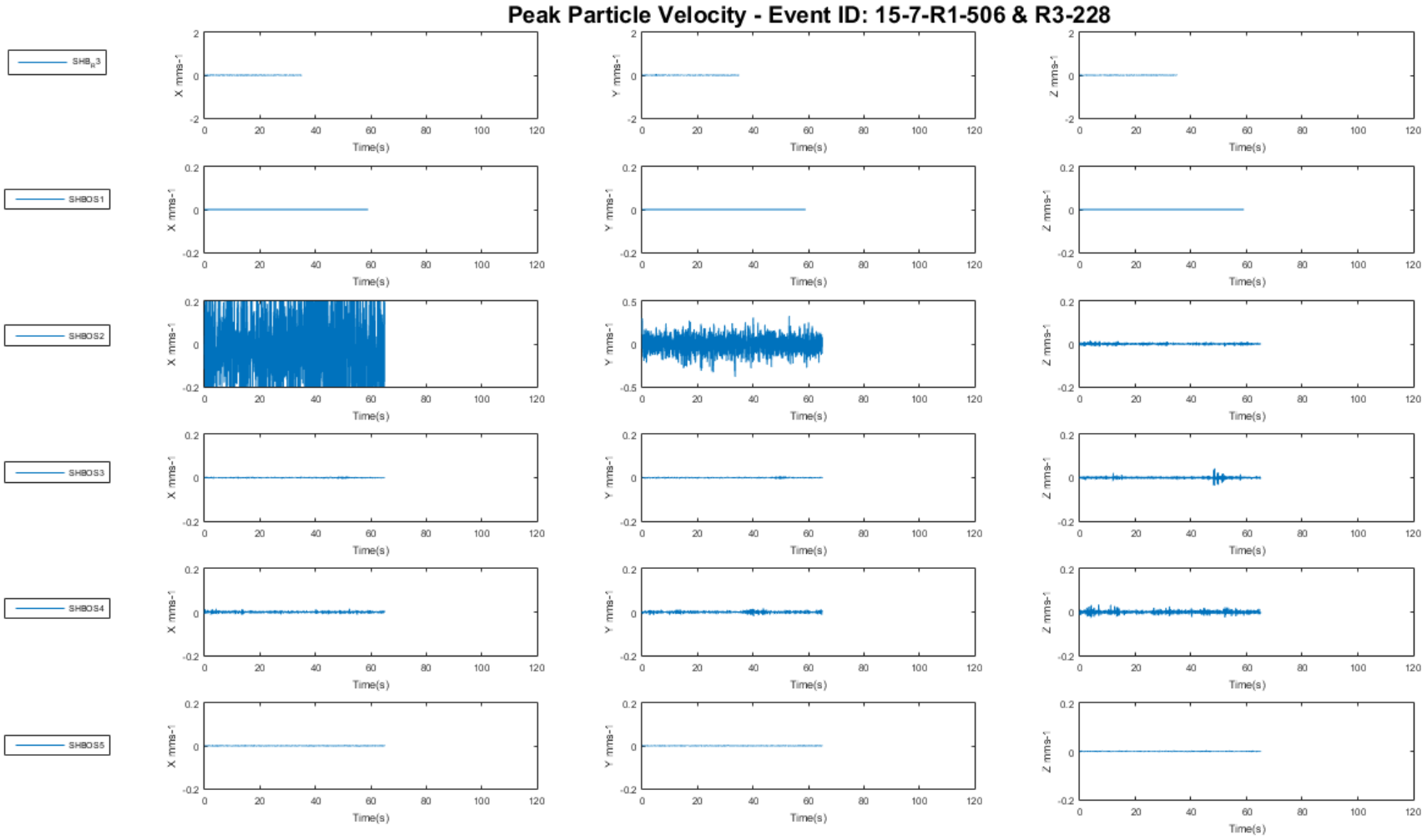


FIGURE 3.142: SHB_OS 1 - 5 15-7-R1-506 & R3-228

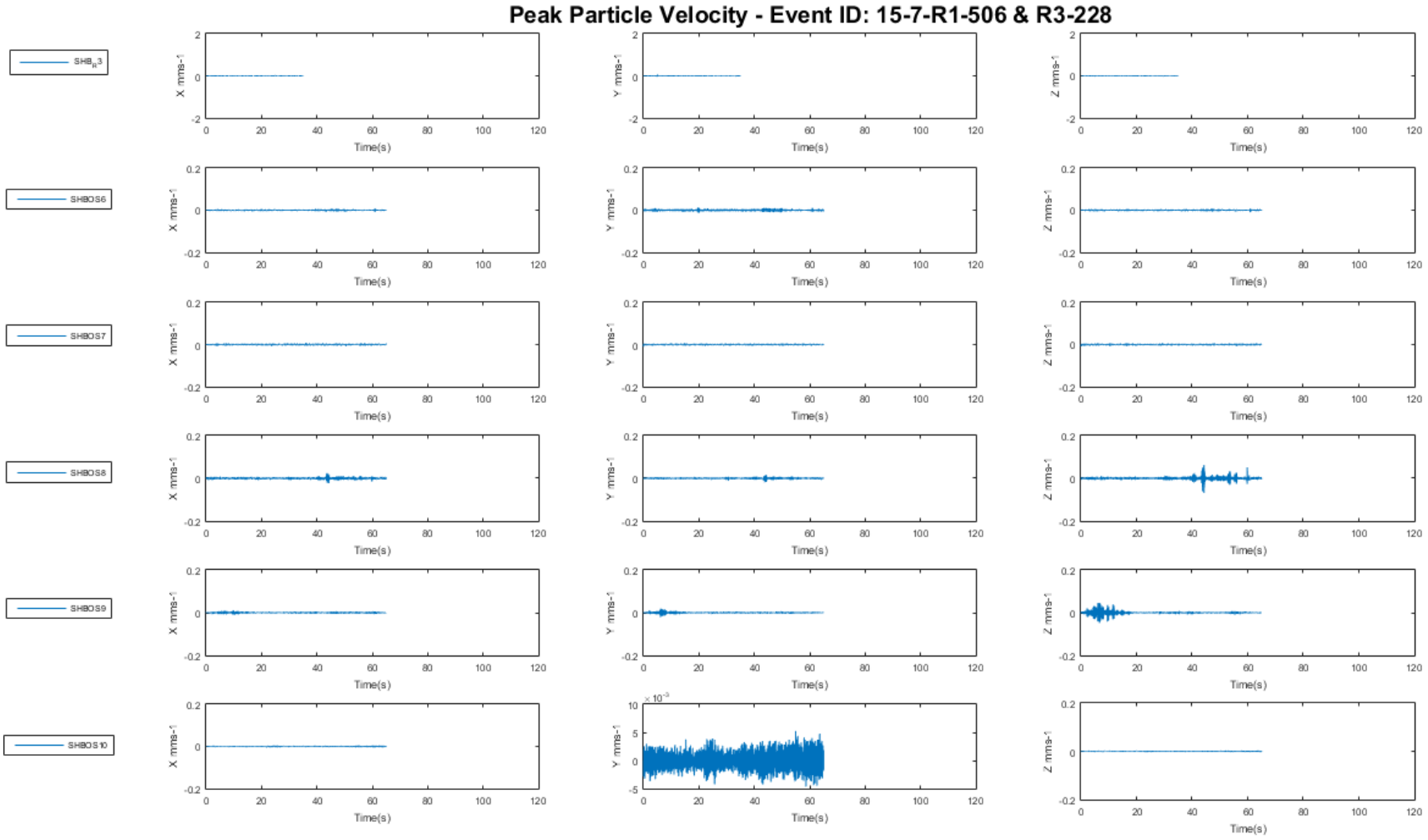


FIGURE 3.143: SHB_OS 6 - 10 15-7-R1-506 & R3-228

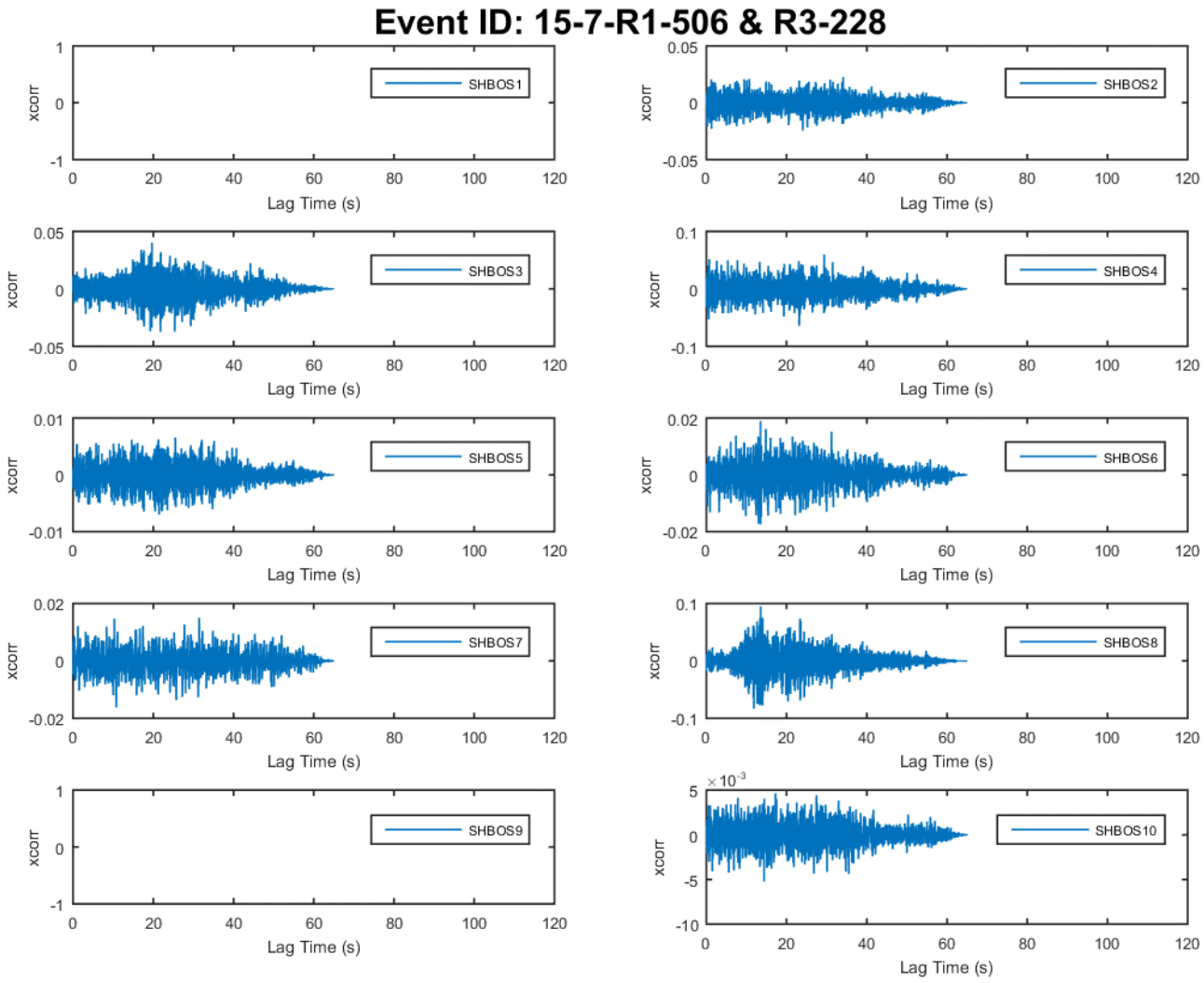


FIGURE 3.144: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-506 & R3-228

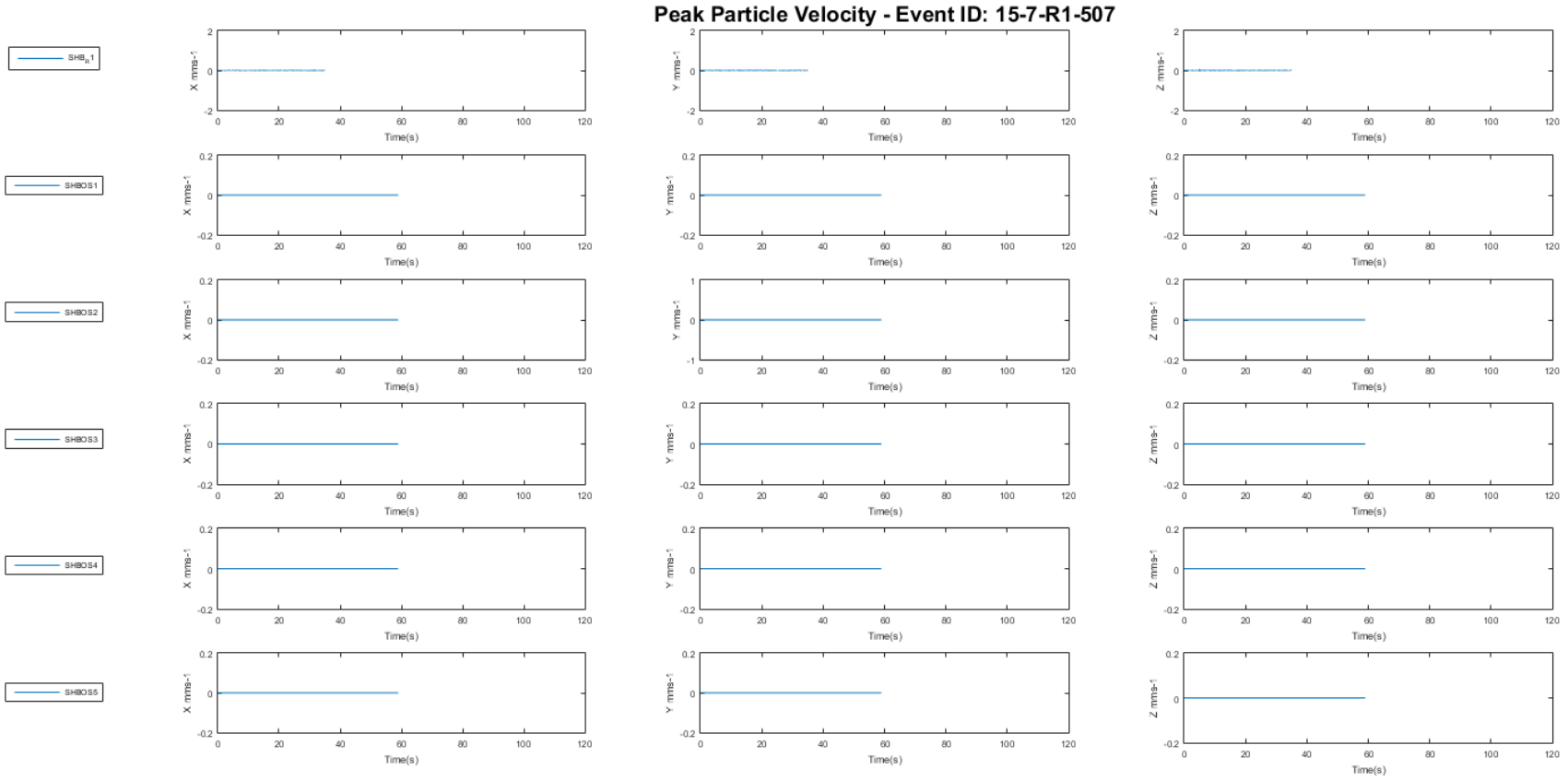


FIGURE 3.145: SHB_OS 1 - 5 15-7-R1-507

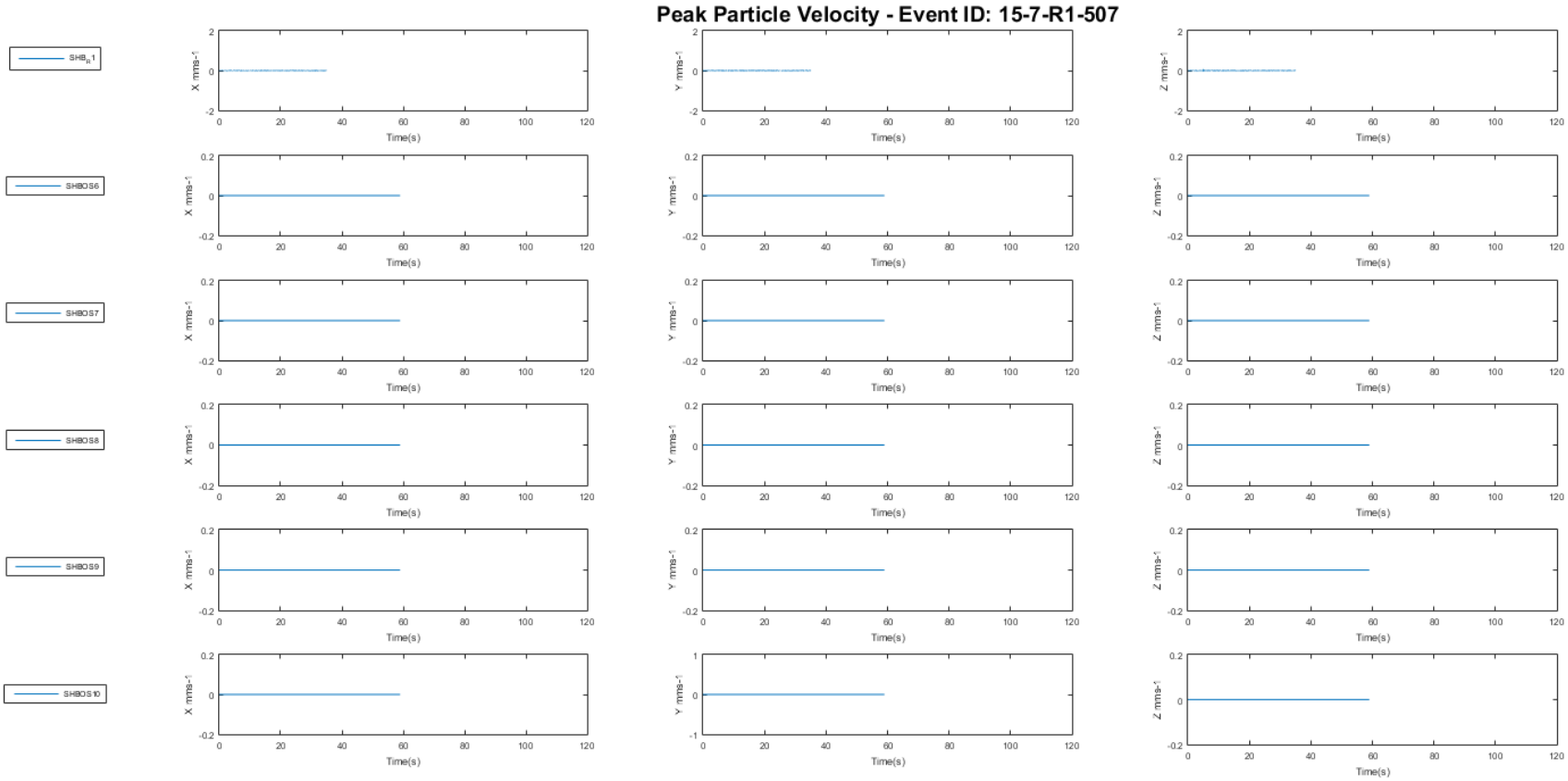


FIGURE 3.146: SHB_OS 6 - 10 15-7-R1-507

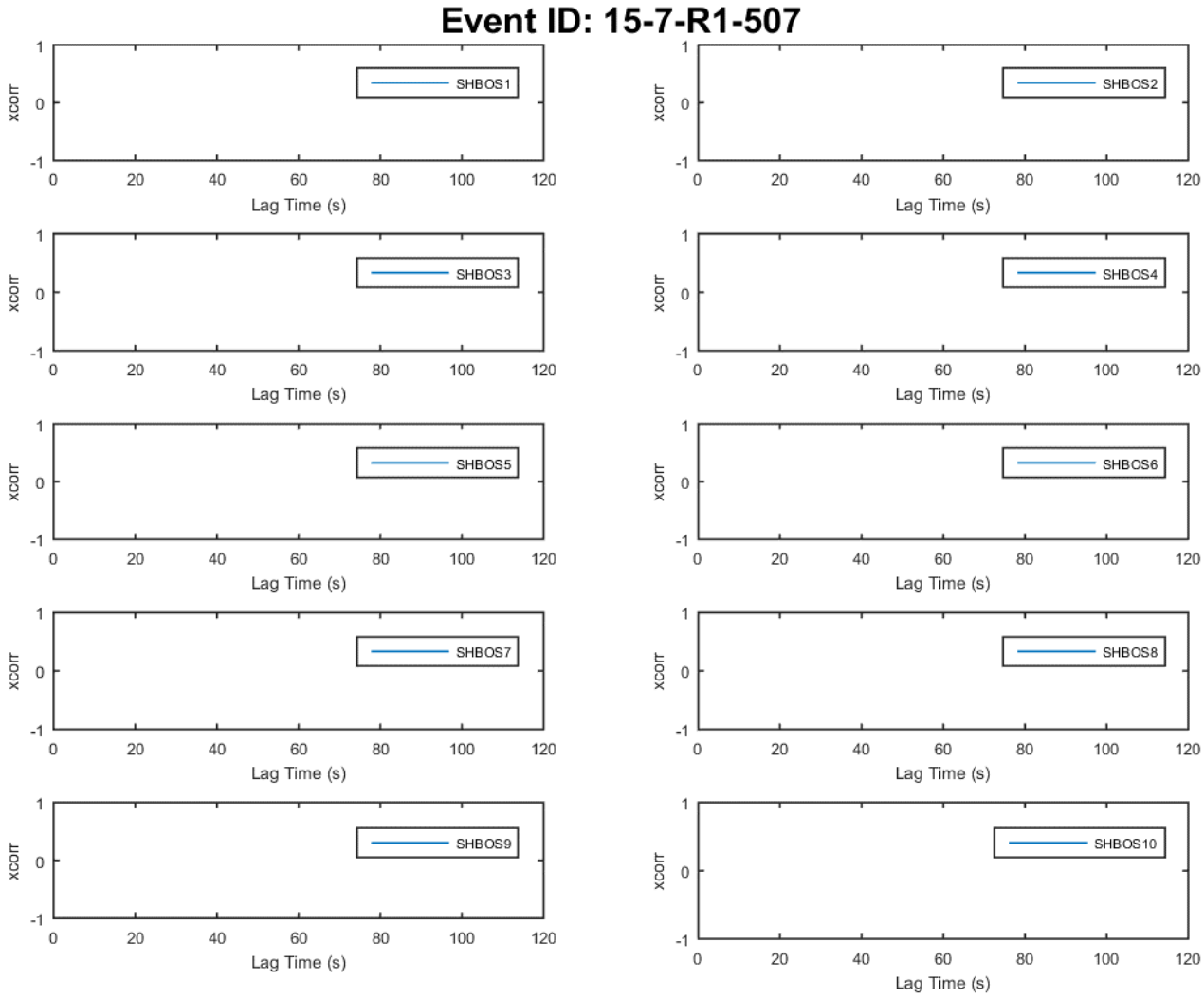


FIGURE 3.147: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-507

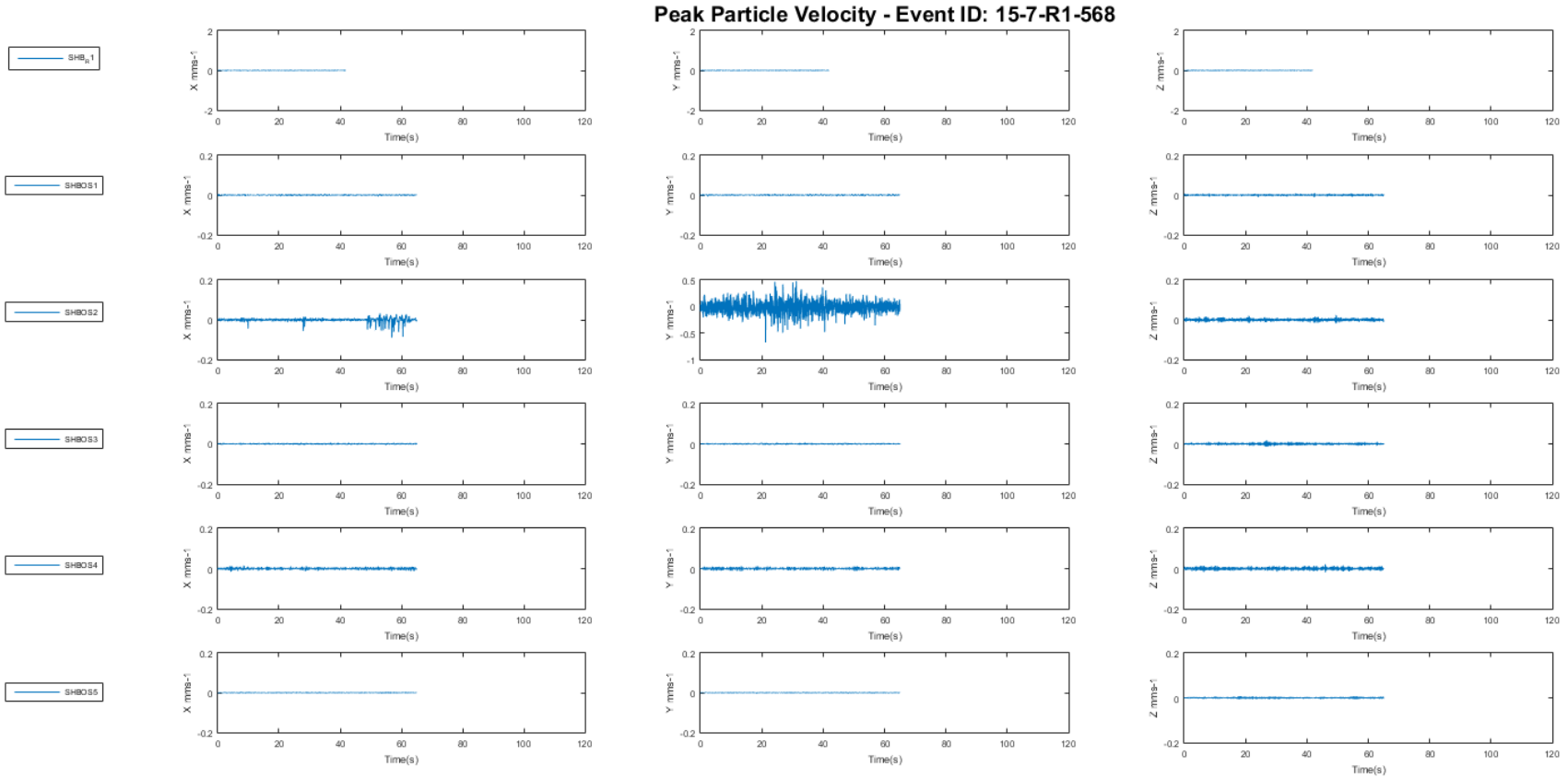


FIGURE 3.148: SHB_OS 1 - 5 15-7-R1-568

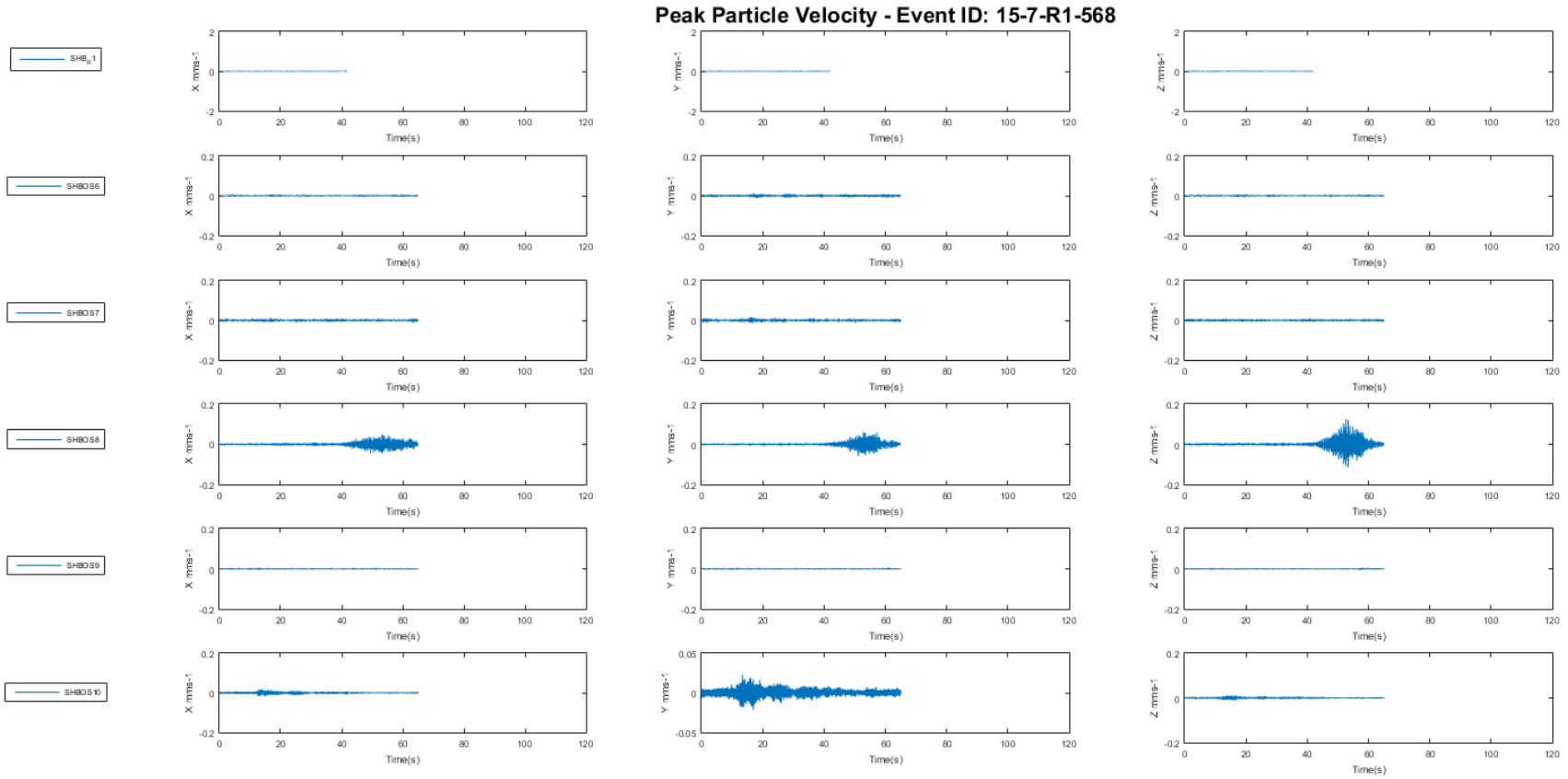


FIGURE 3.149: SHB_OS 6 - 10 15-7-R1-568

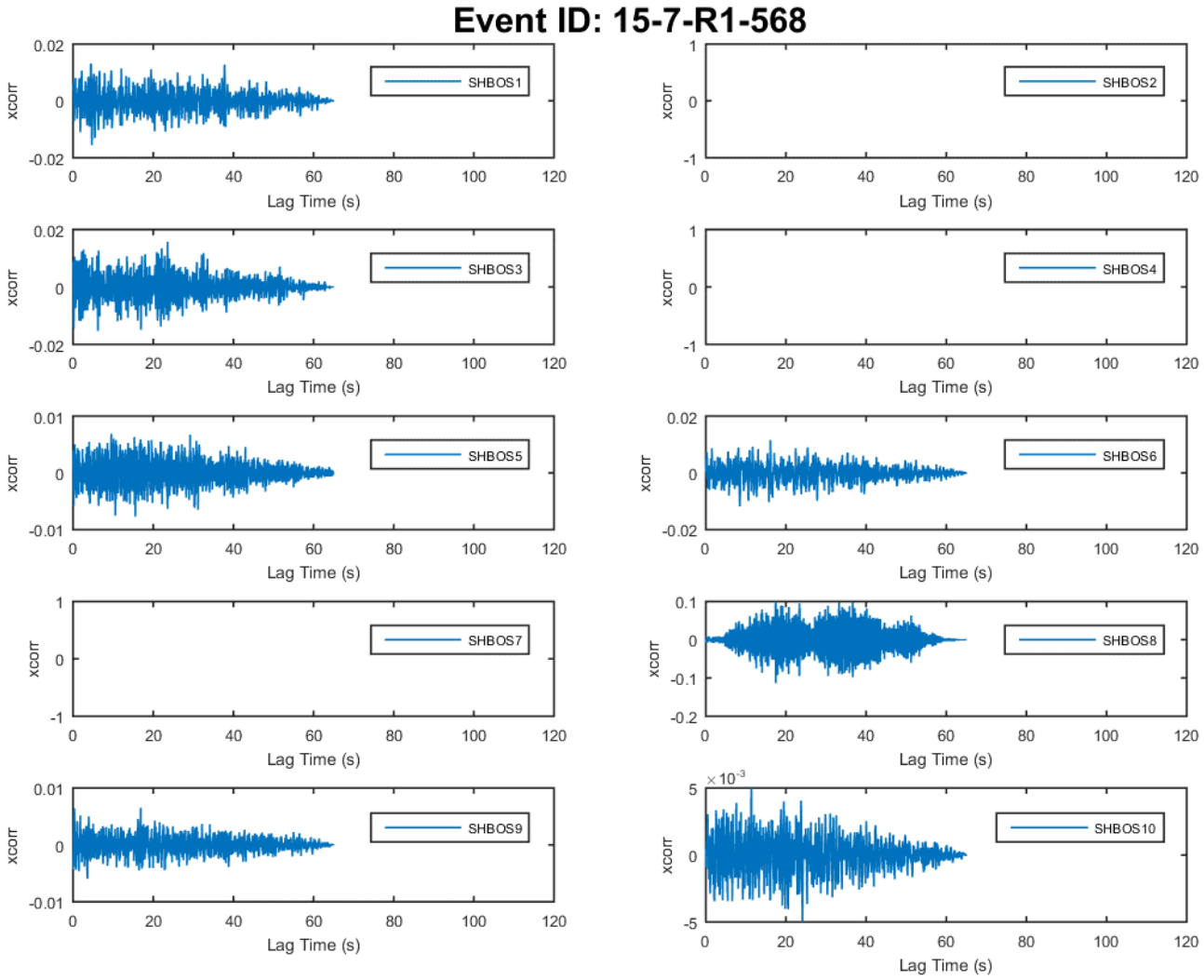


FIGURE 3.150: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-568

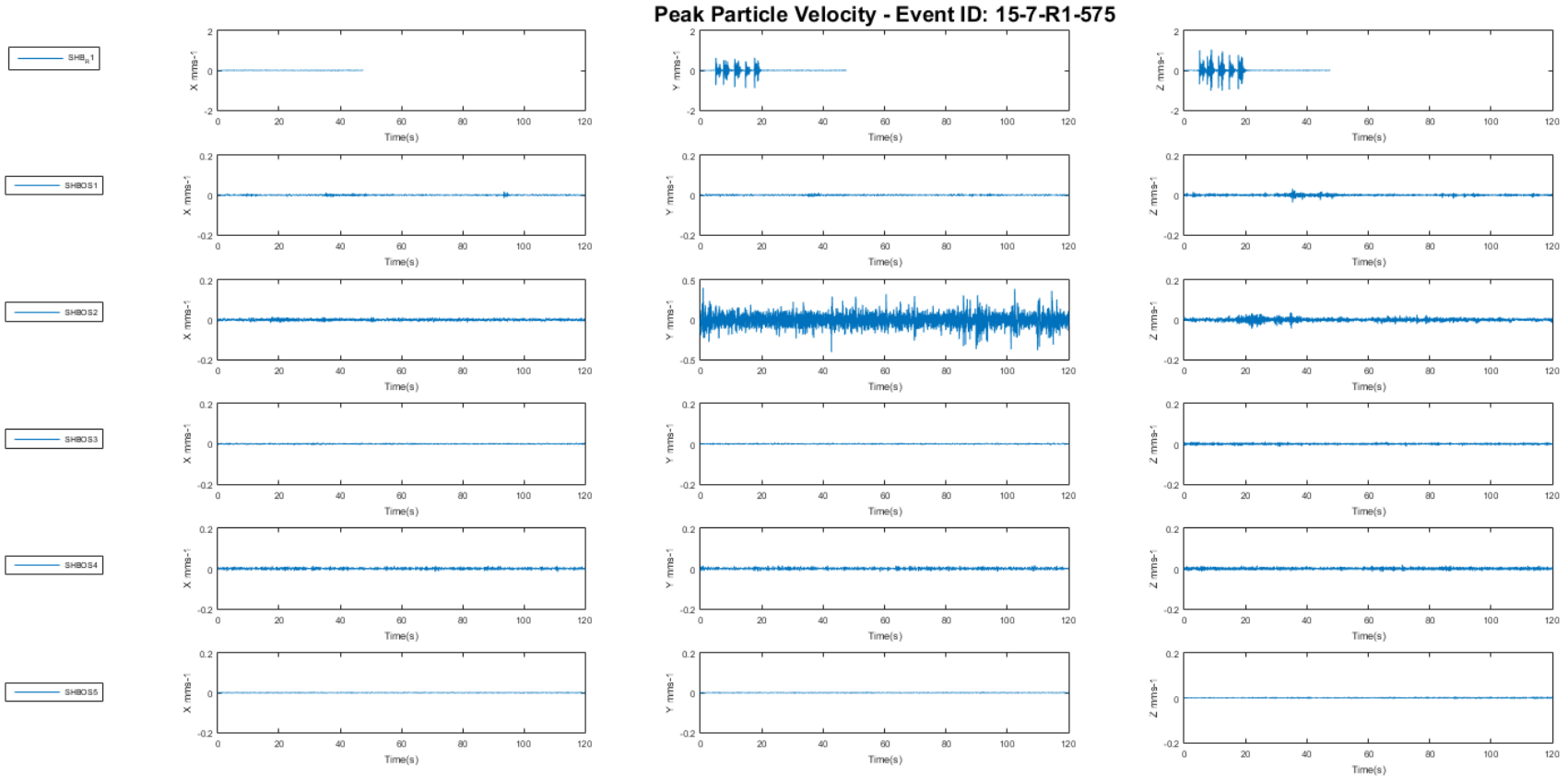


FIGURE 3.151: SHB_OS 1 - 5 15-7-R1-575

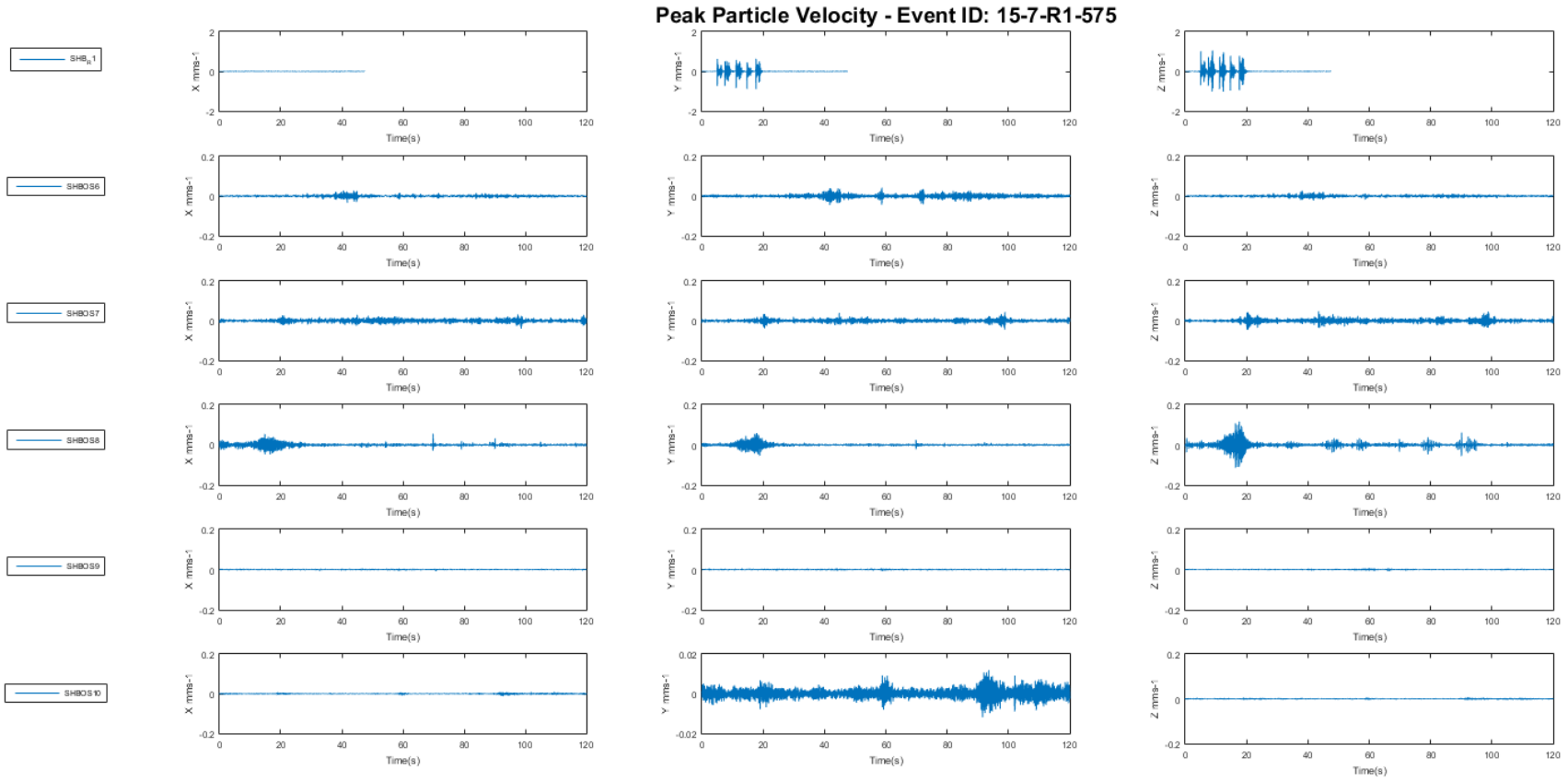


FIGURE 3.152: SHB_OS 6 - 10 15-7-R1-575

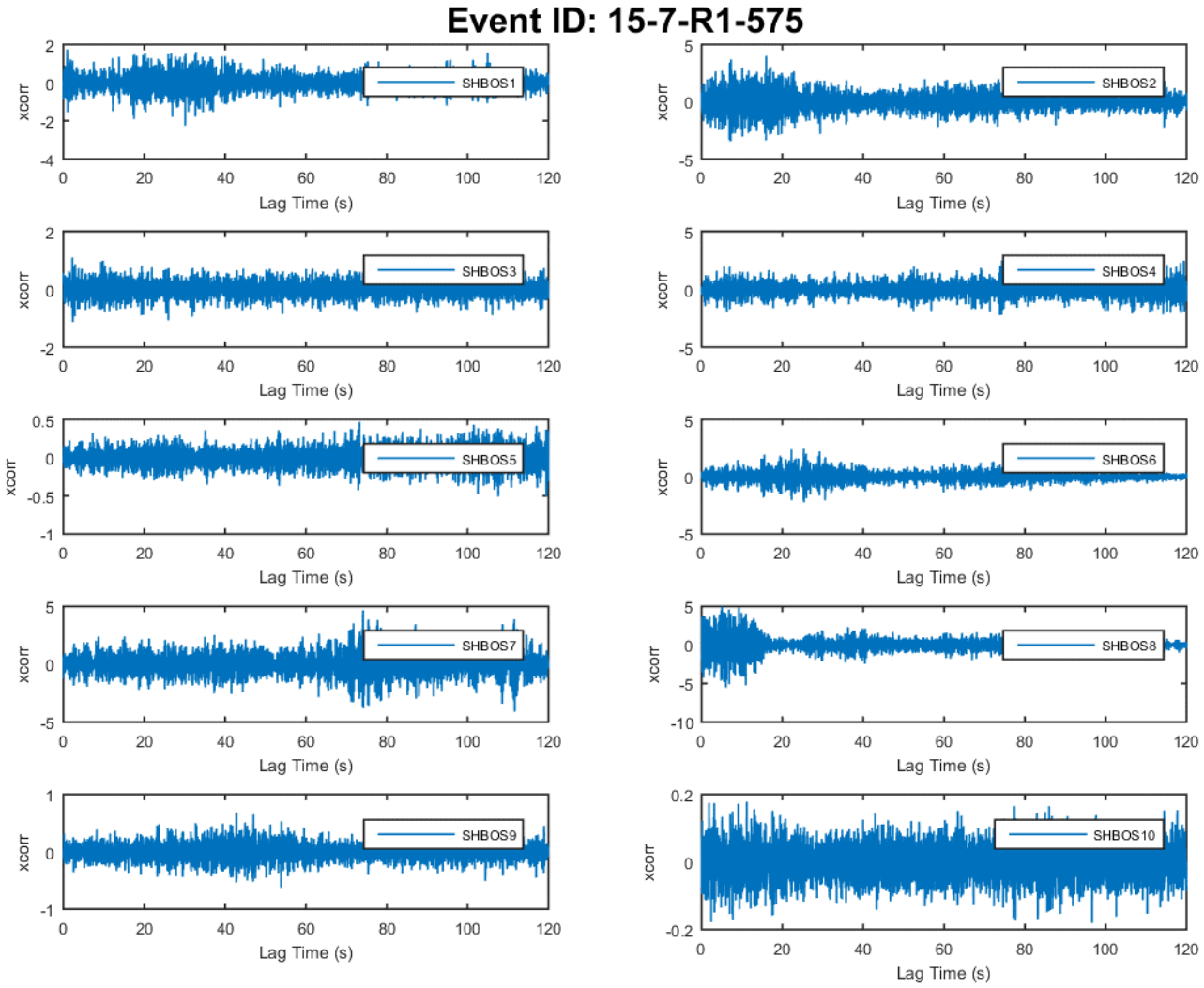


FIGURE 3.153: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-575

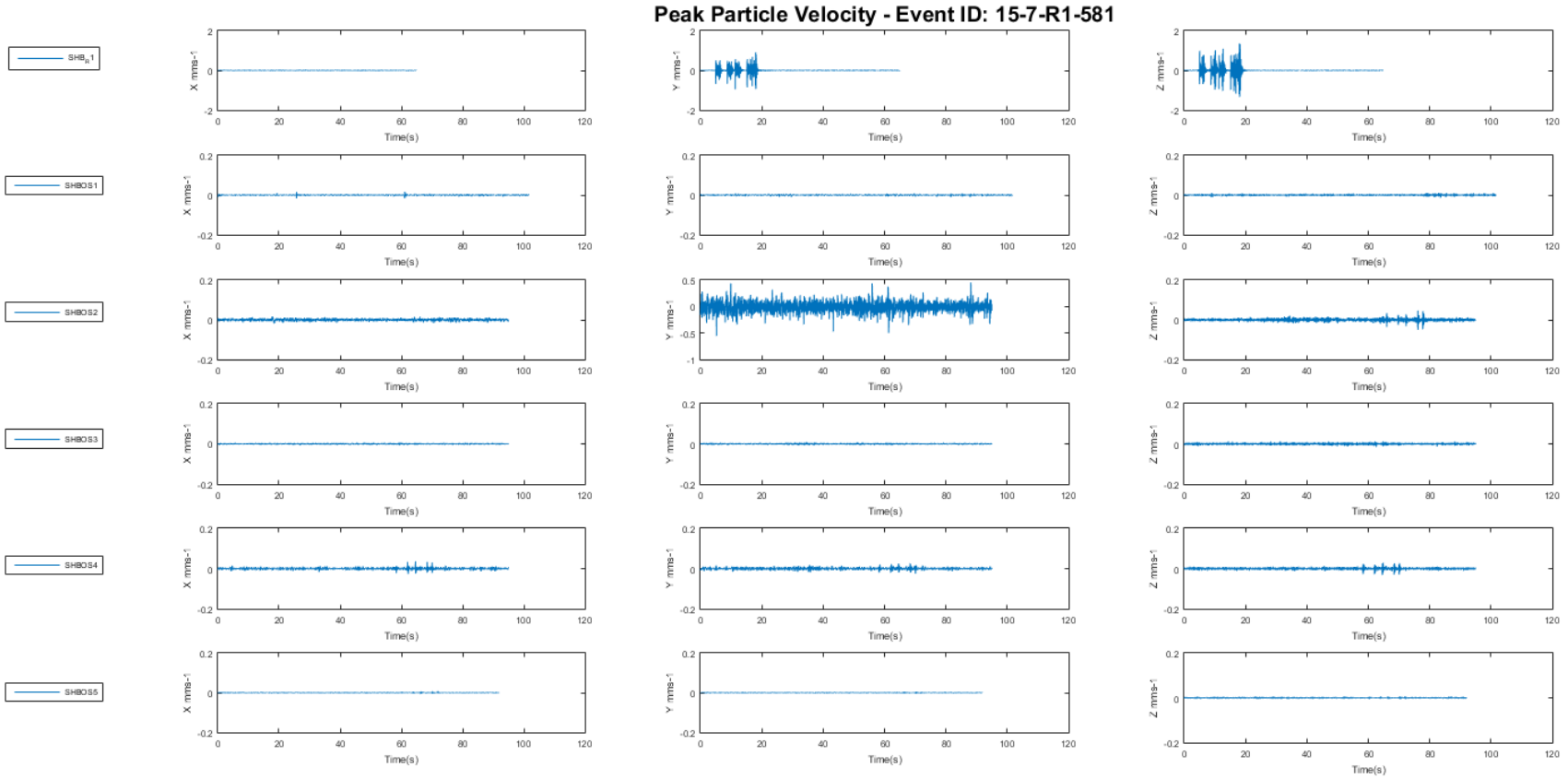


FIGURE 3.154: SHB_OS 1 - 5 15-7-R1-581

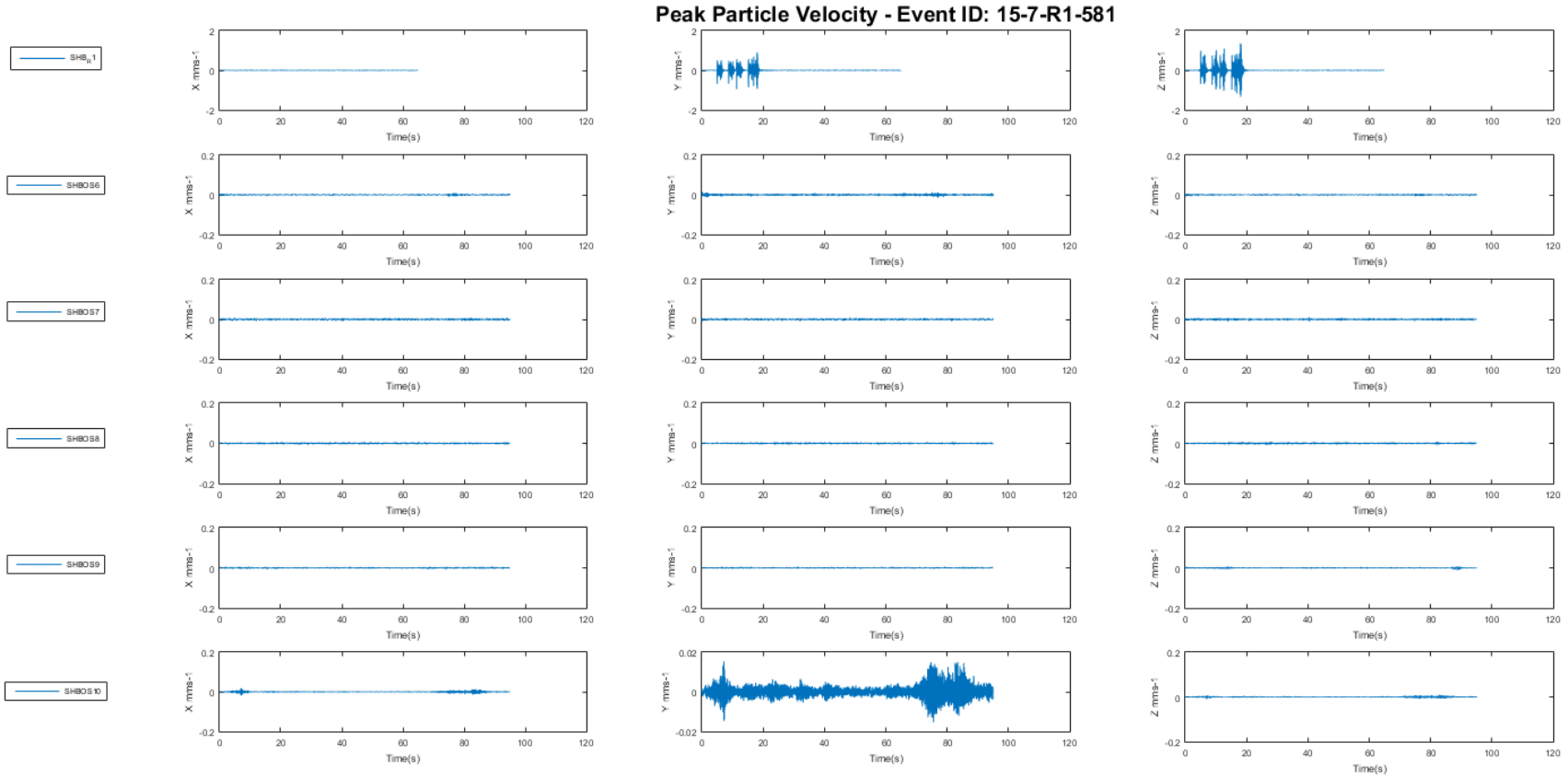


FIGURE 3.155: SHB_OS 6 - 10 15-7-R1-581

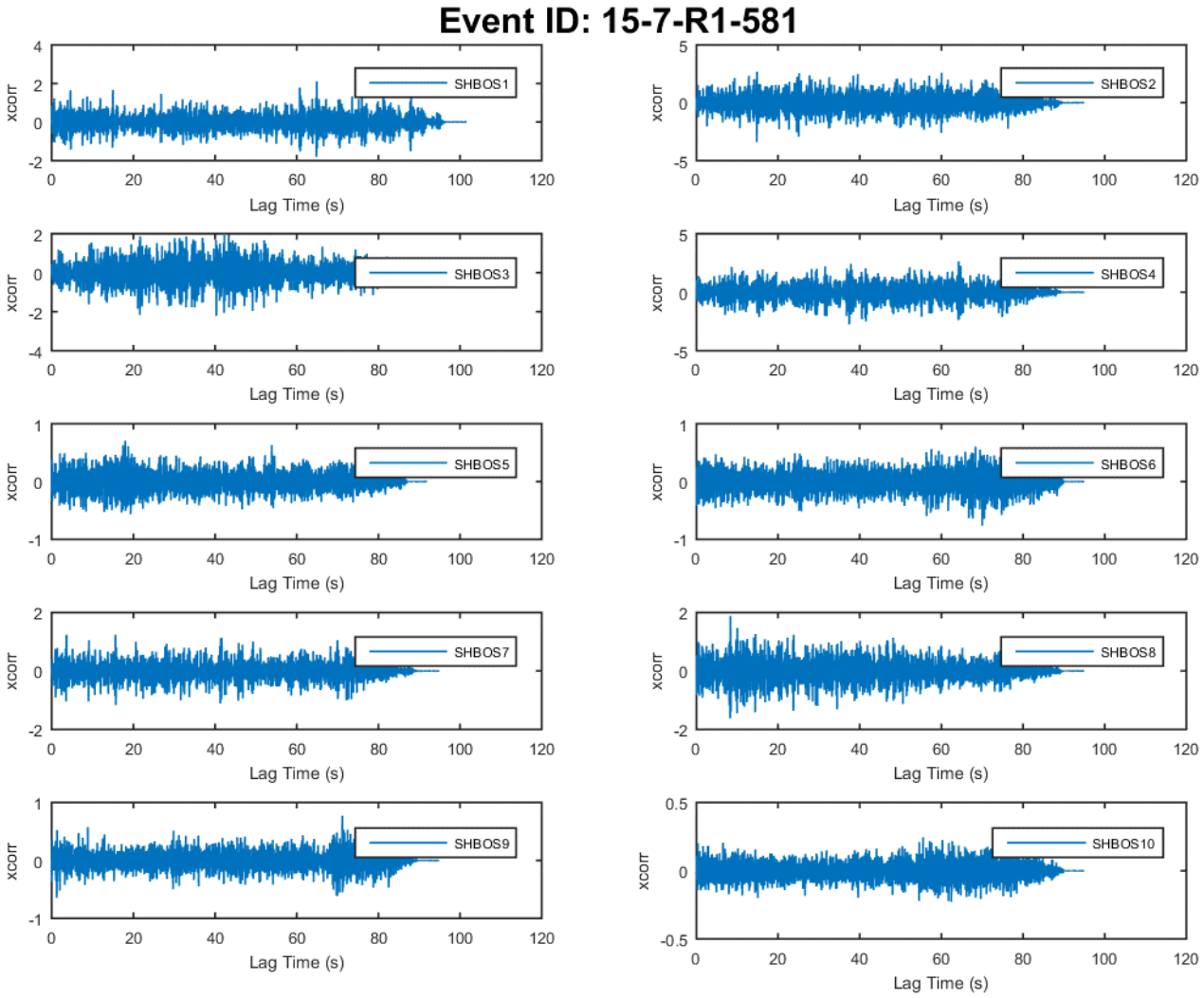


FIGURE 3.156: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-581

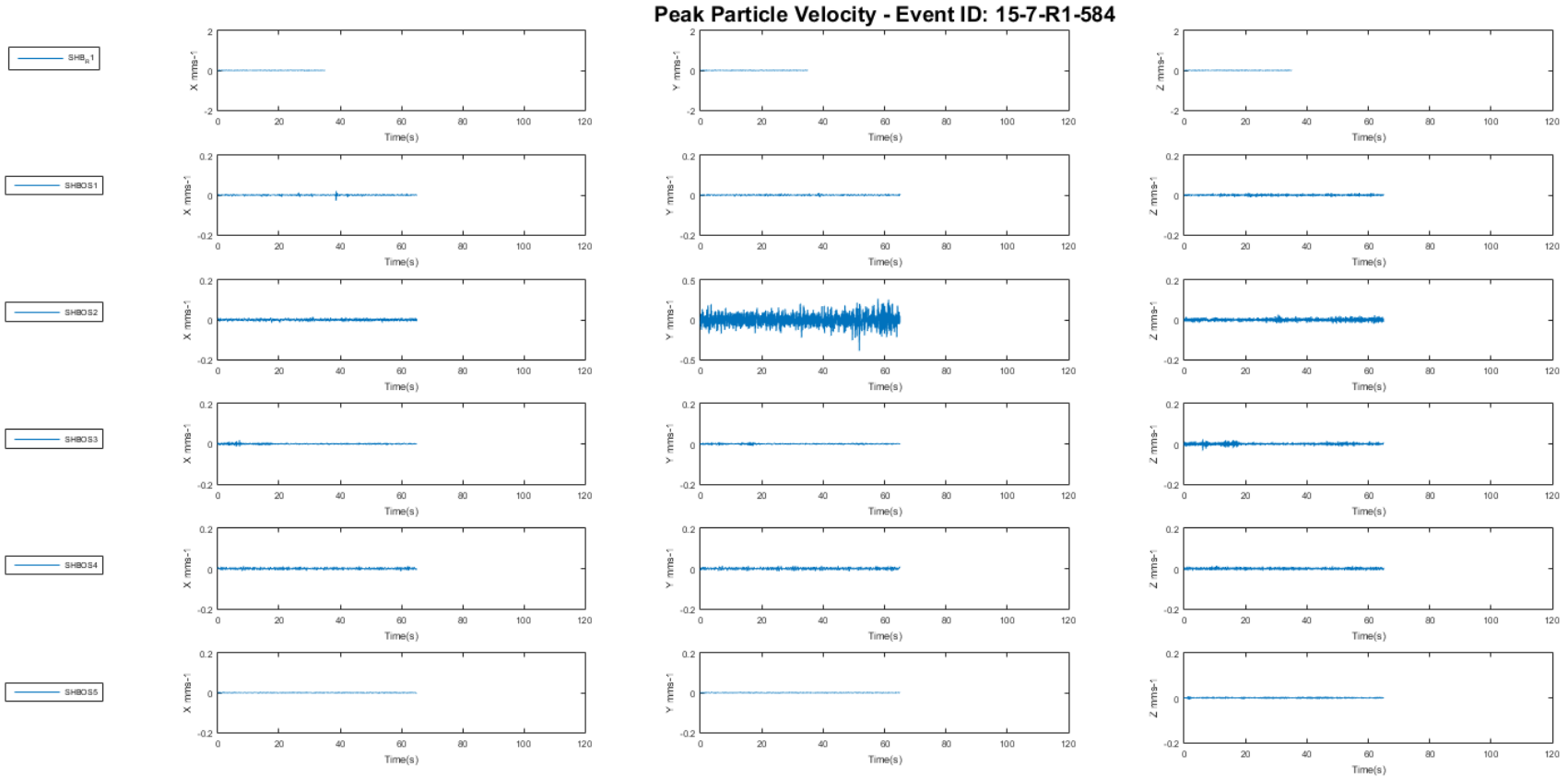


FIGURE 3.157: SHB_OS 1 - 5 15-7-R1-584

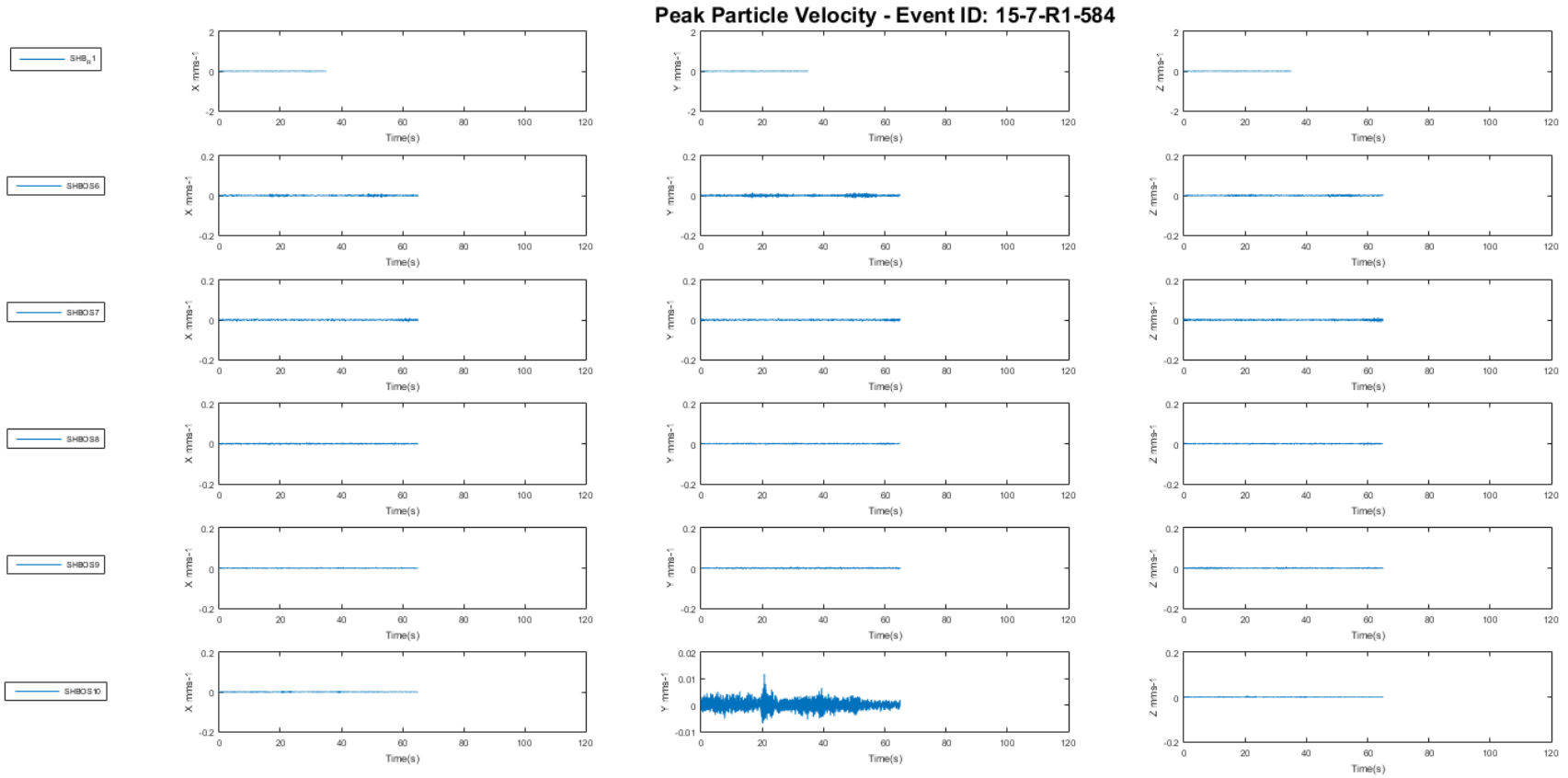


FIGURE 3.158: SHB_OS 6 - 10 15-7-R1-584

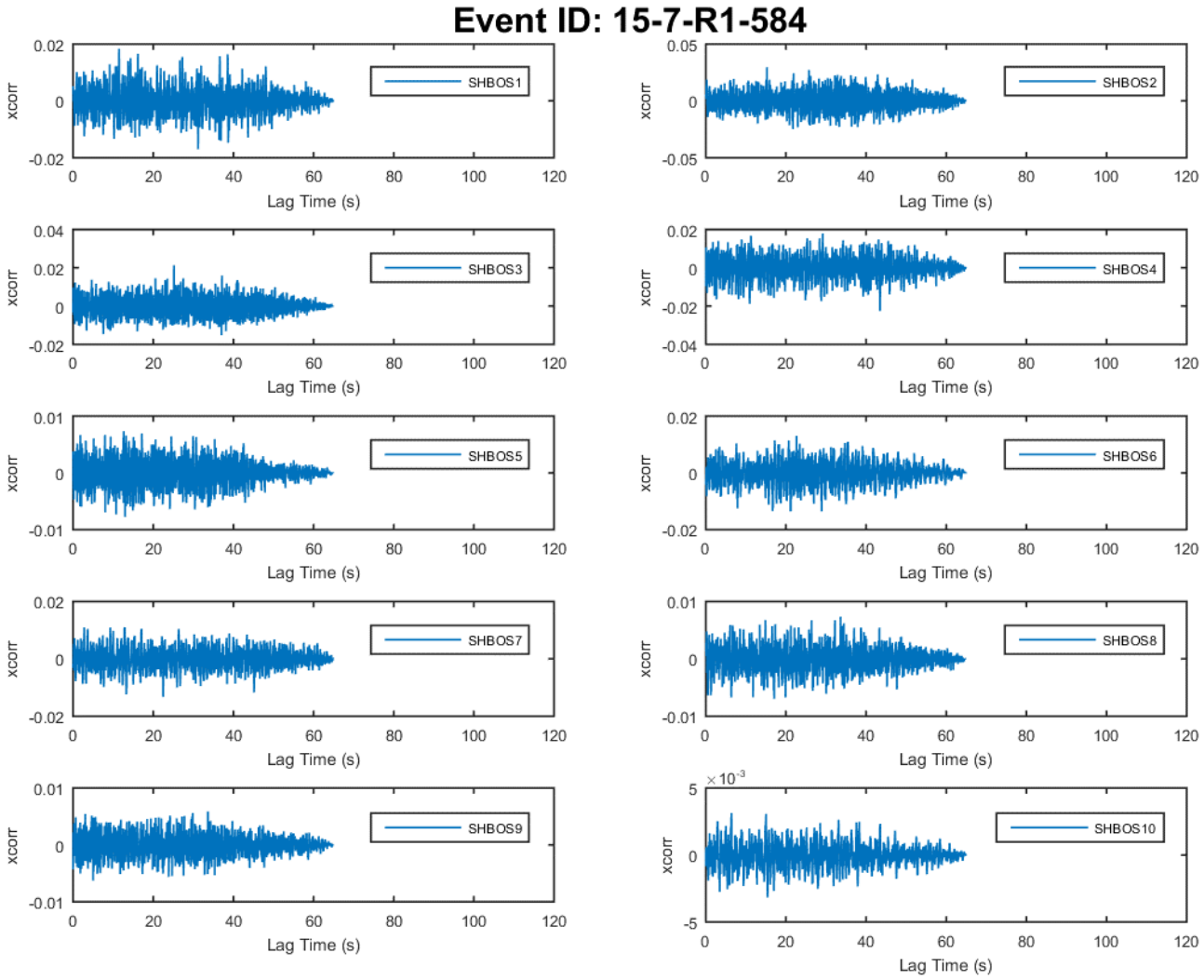


FIGURE 3.159: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-584

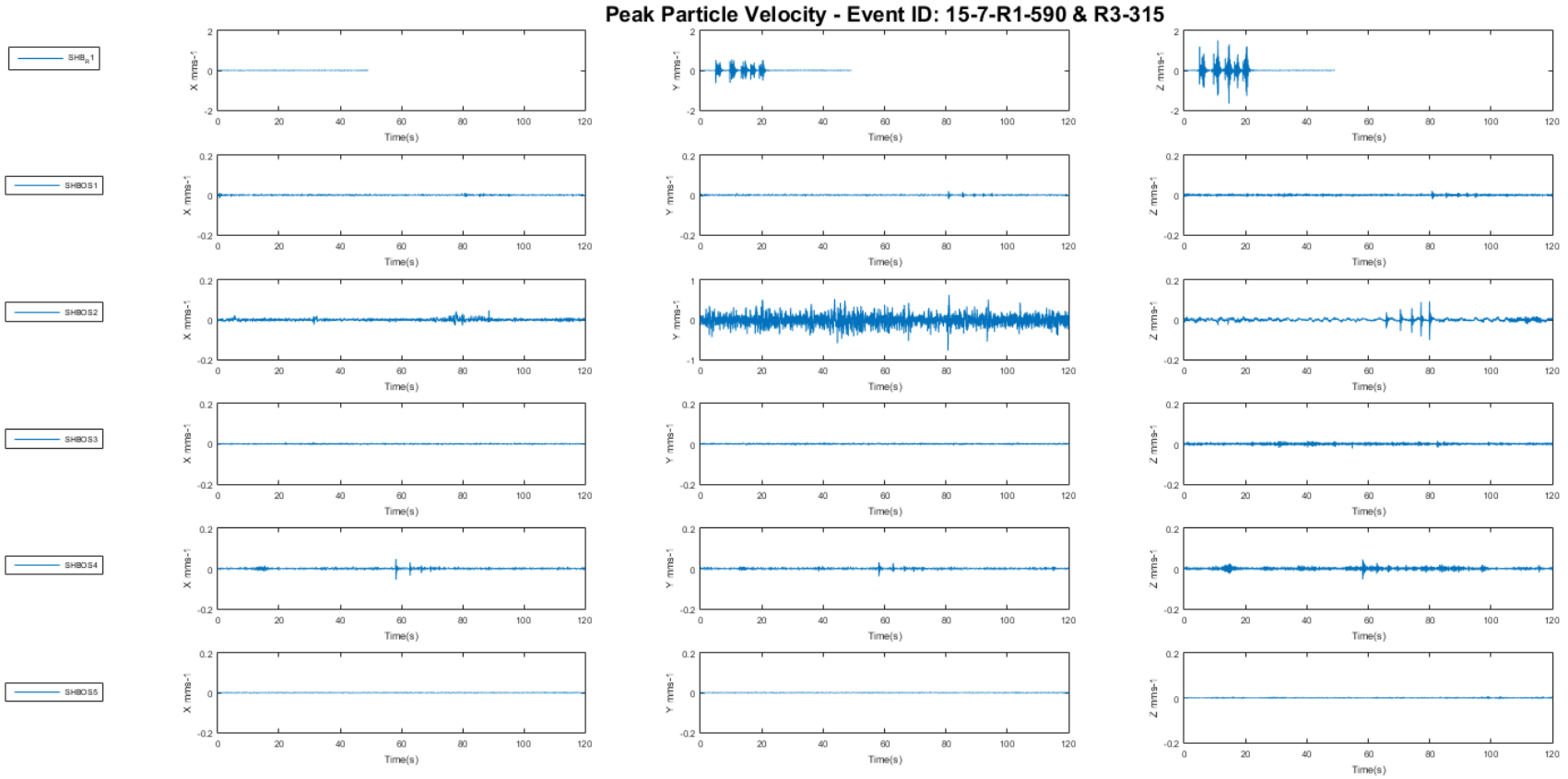


FIGURE 3.160: SHB_OS 1 - 5 15-7-R1-590 & R3-315

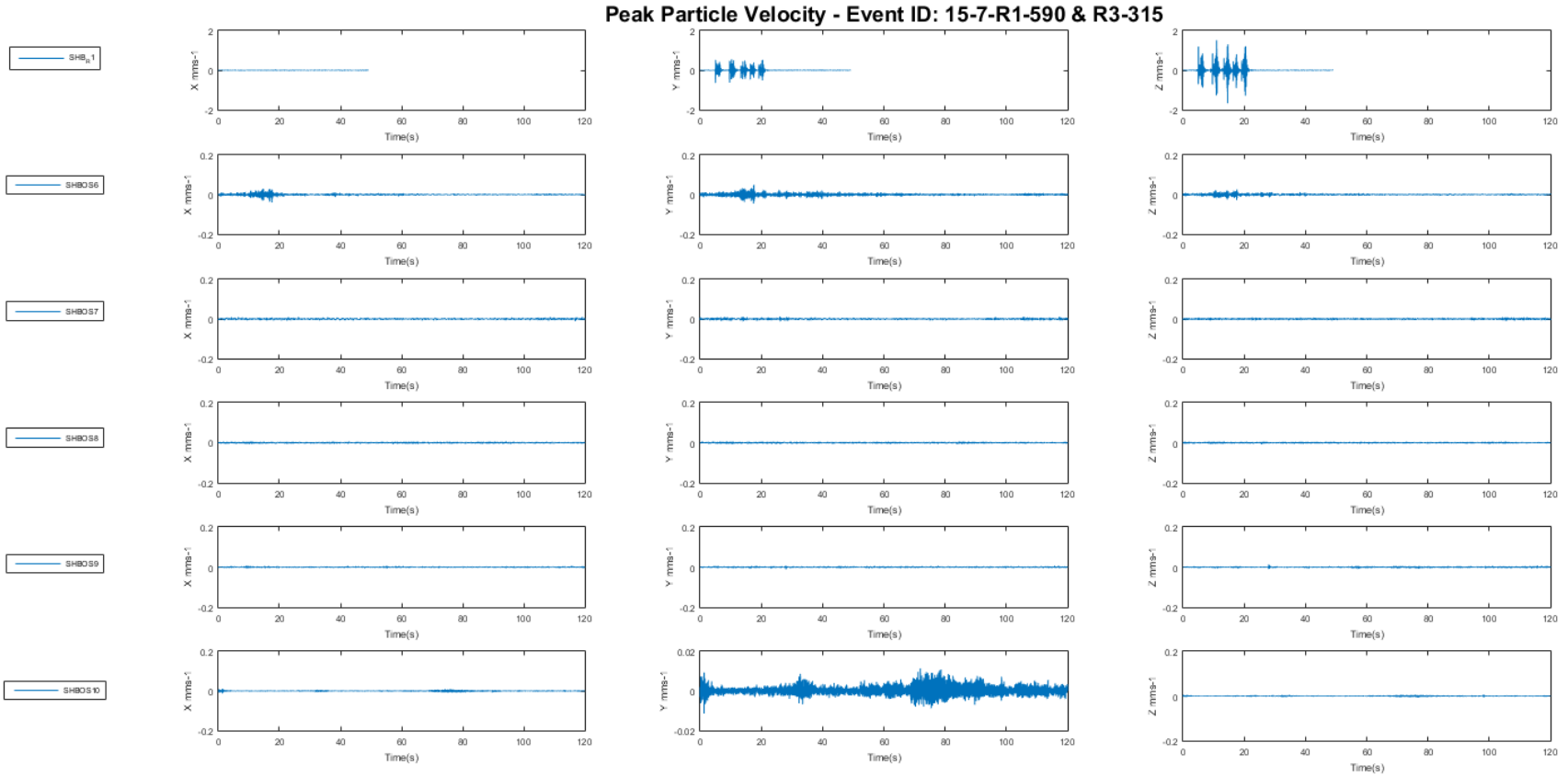


FIGURE 3.161: SHB_OS 6 - 10 15-7-R1-590 & R3-315

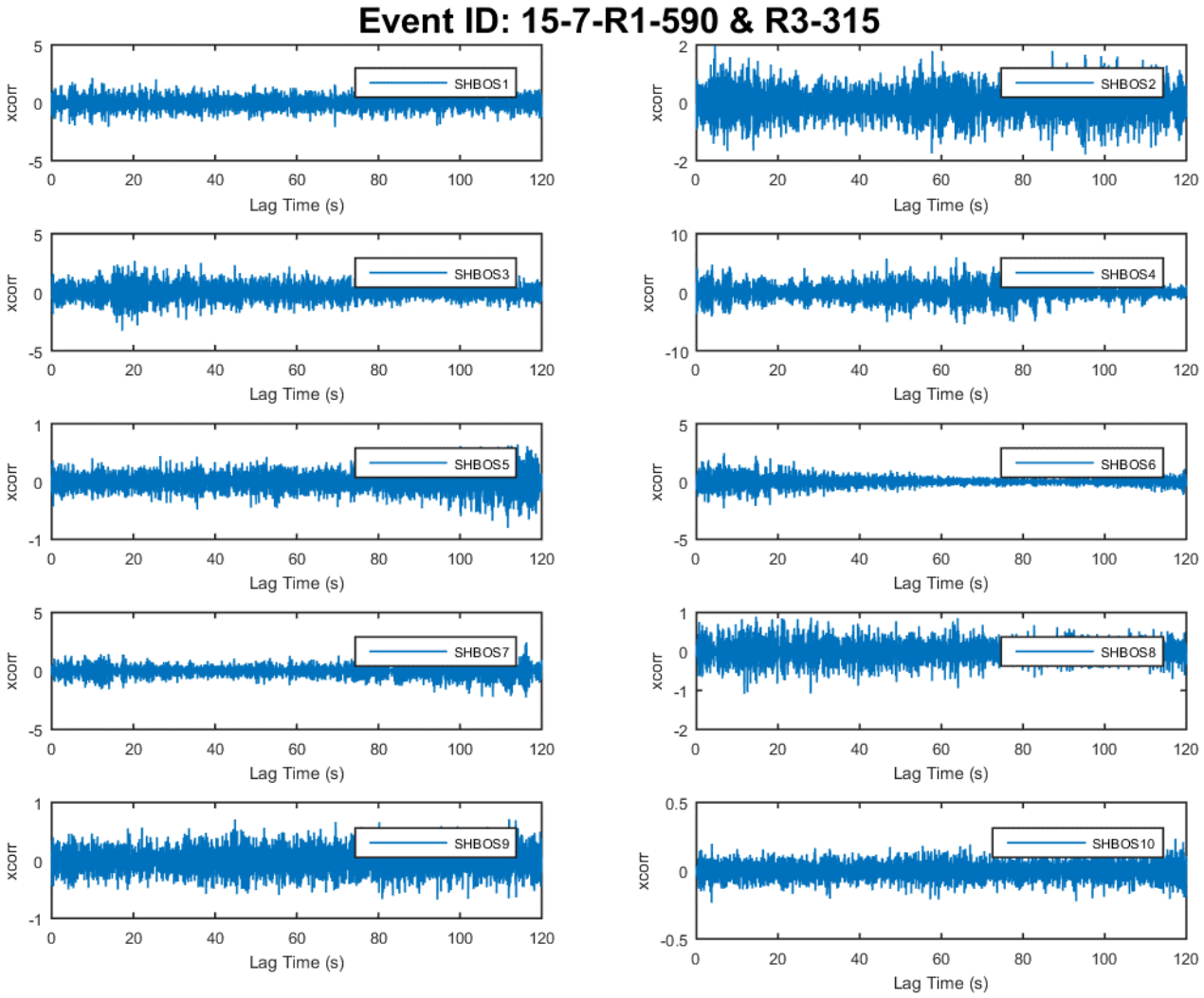


FIGURE 3.162: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-590 & R3-315

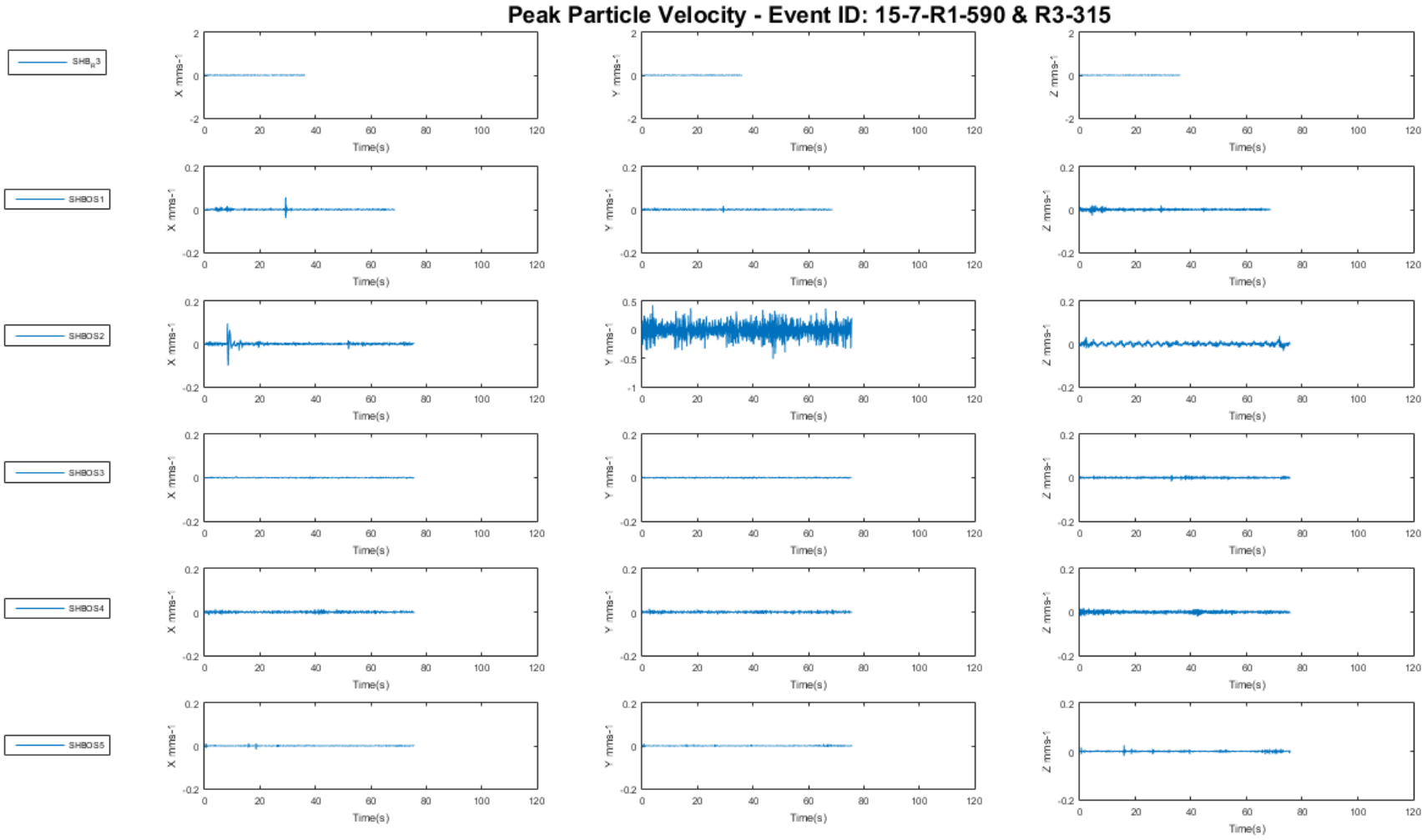


FIGURE 3.163: SHB_OS 1 - 5 15-7-R1-590 & R3-315

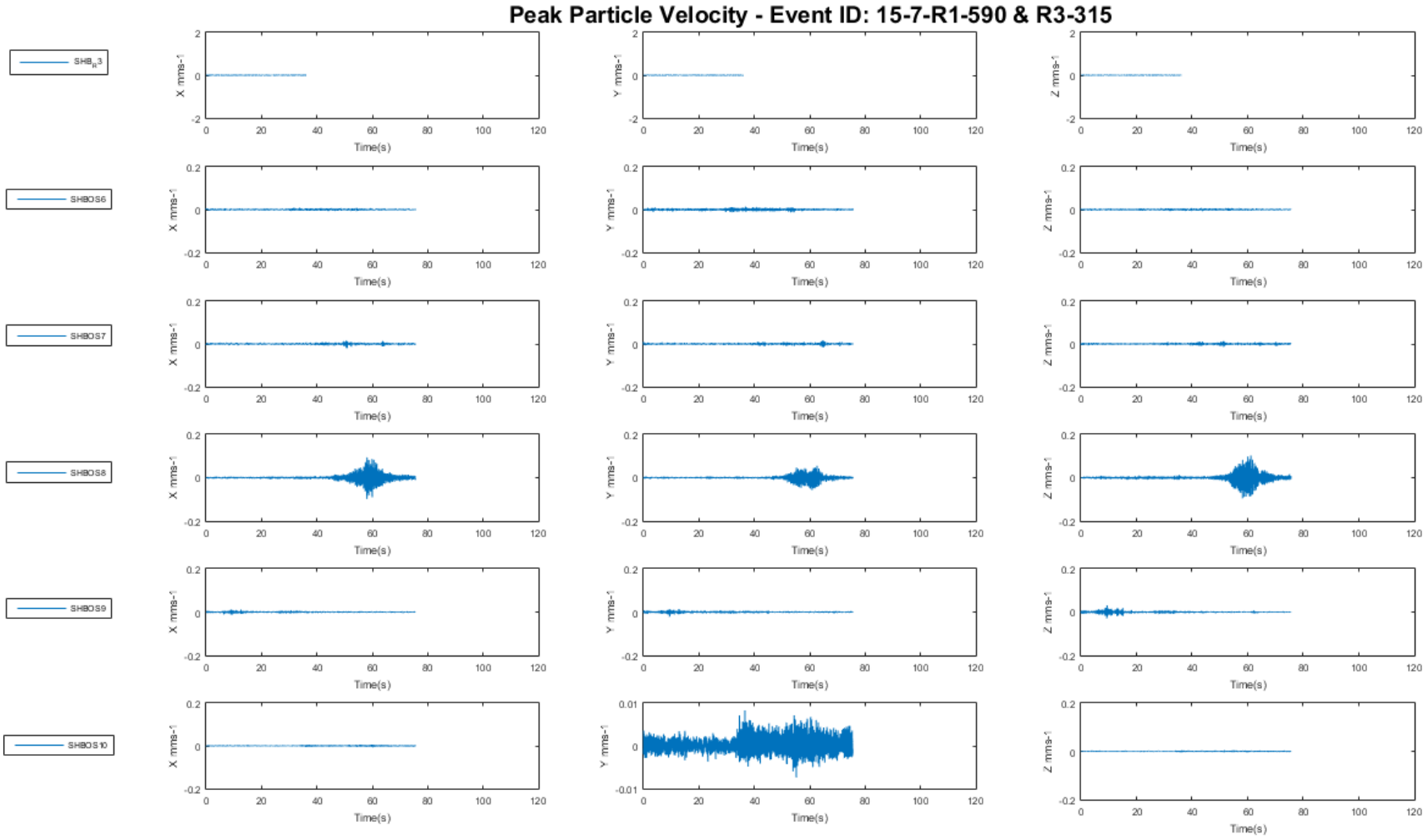


FIGURE 3.164: SHB_OS 6 - 10 15-7-R1-590 & R3-315

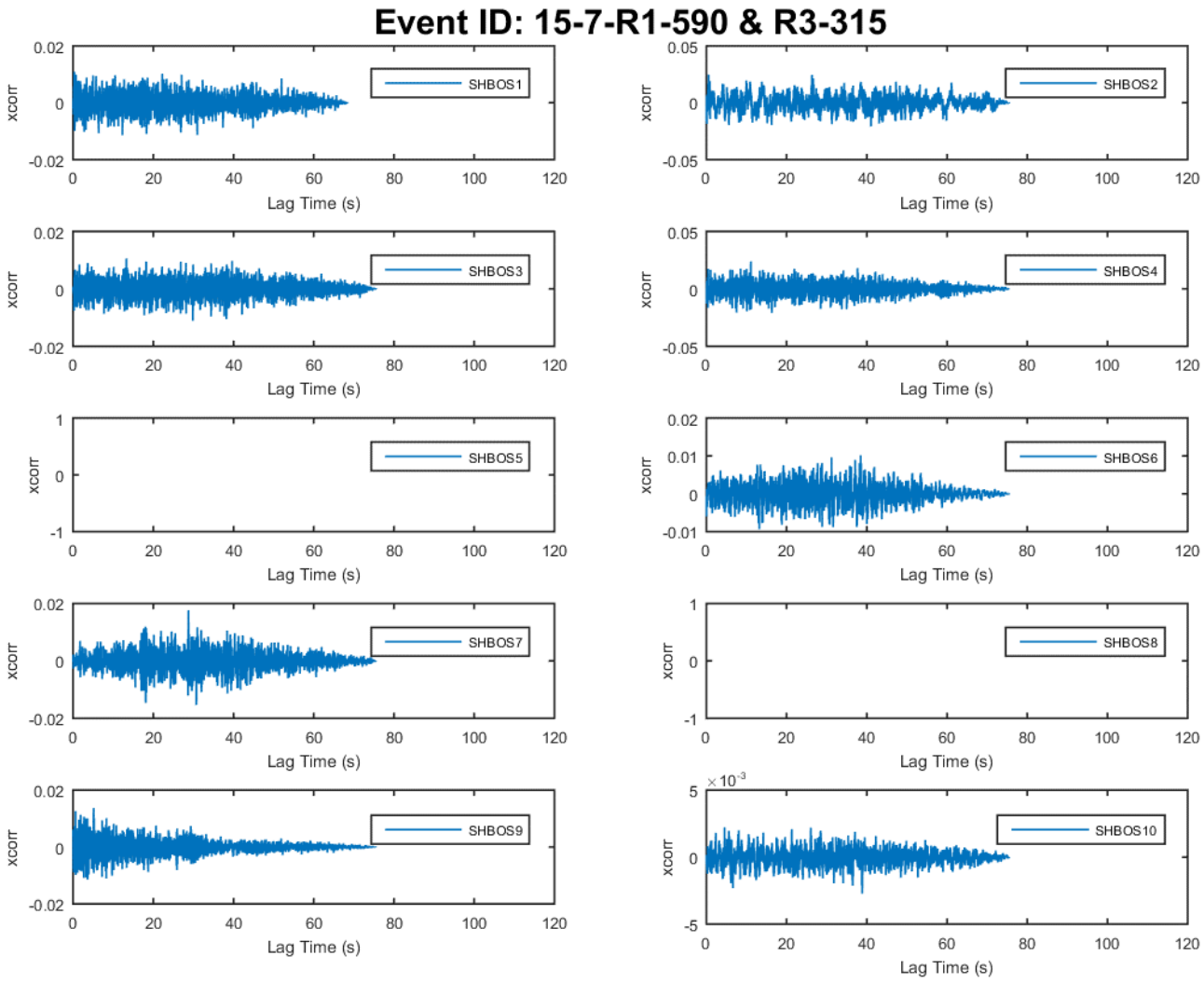


FIGURE 3.165: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-590 & R3-315

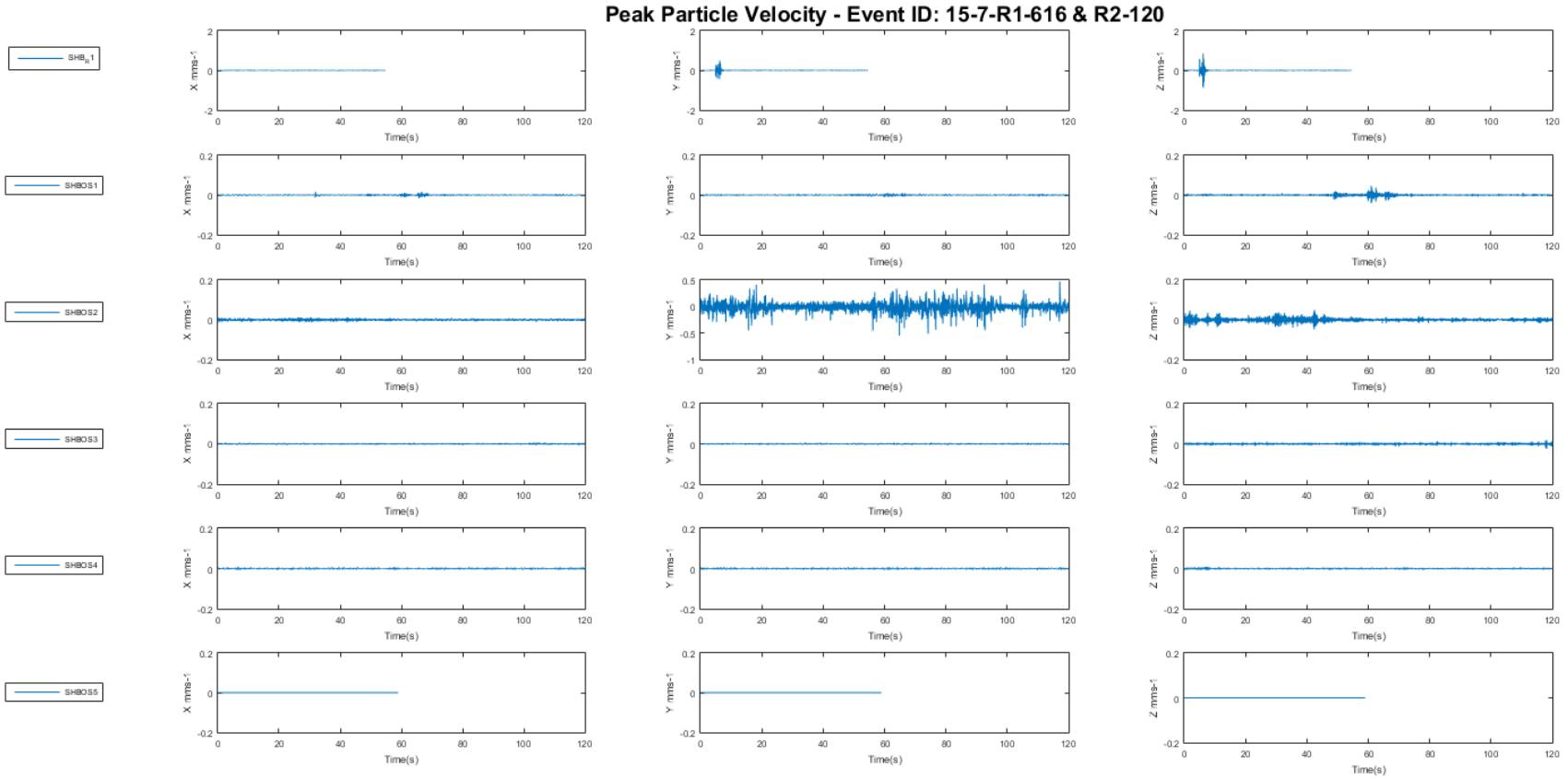


FIGURE 3.166: SHB_OS 1 - 5 15-7-R1-616 & R2-120

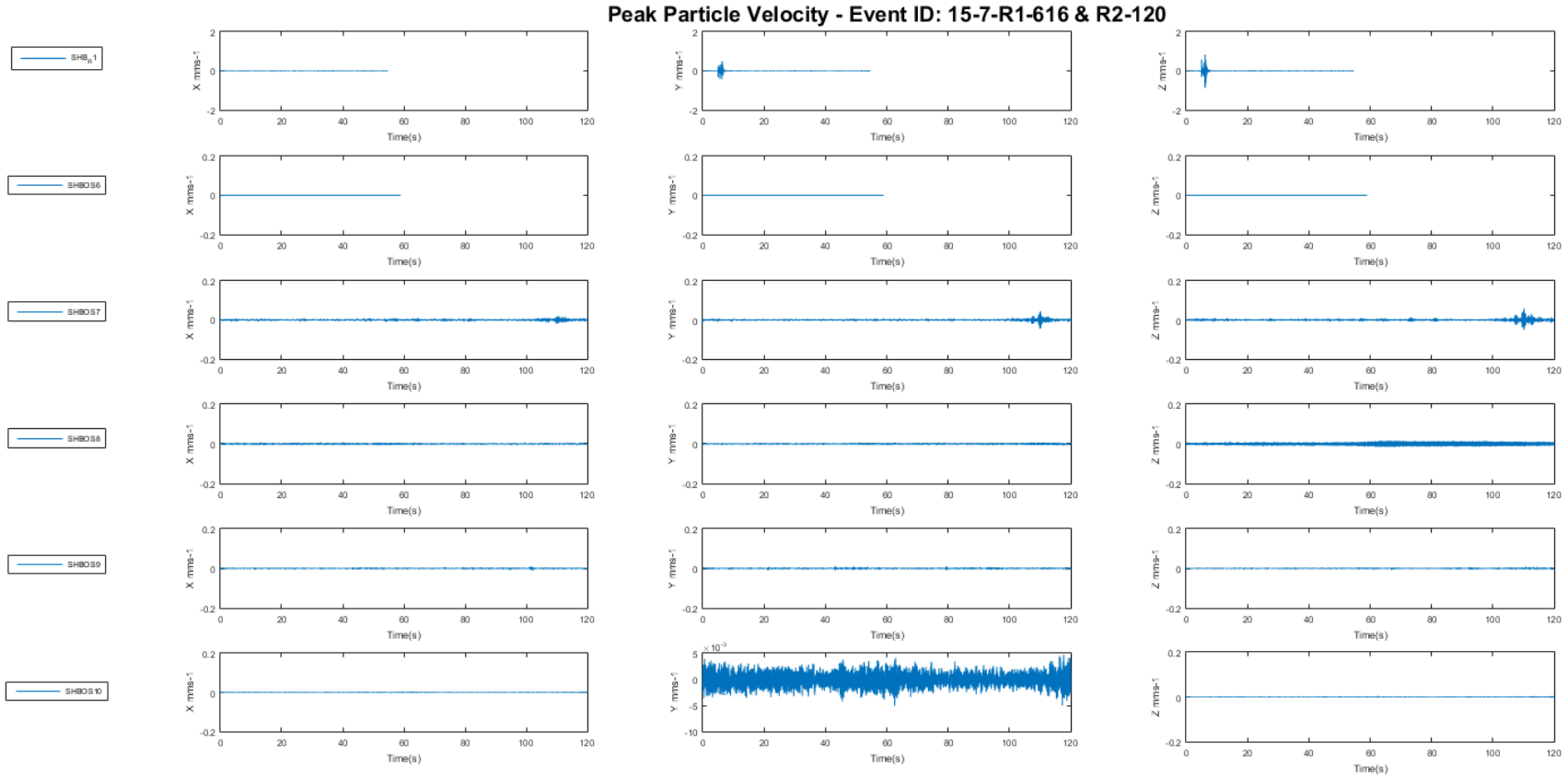


FIGURE 3.167: SHB_OS 6 - 10 15-7-R1-616 & R2-120

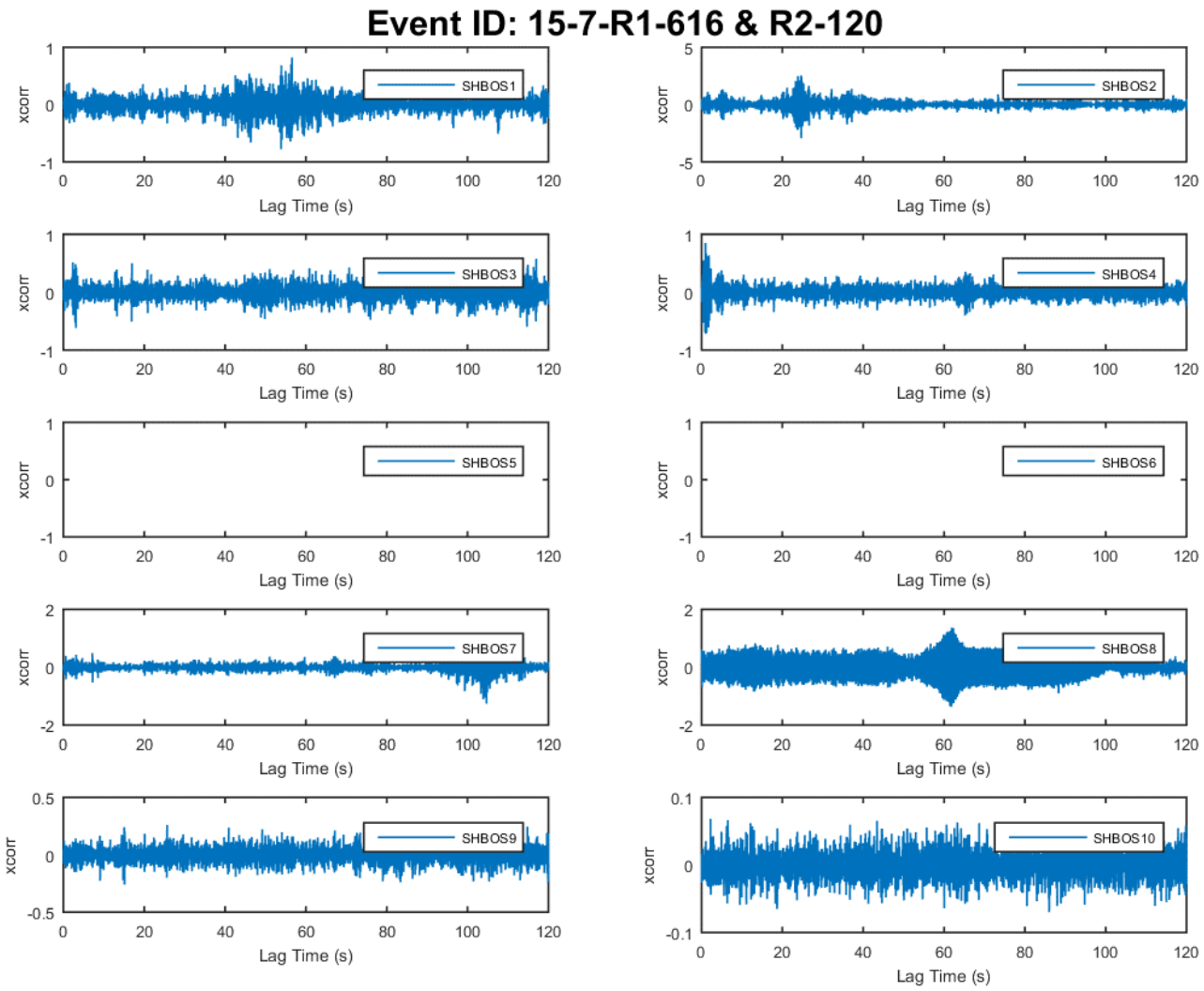


FIGURE 3.168: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-616 & R2-120

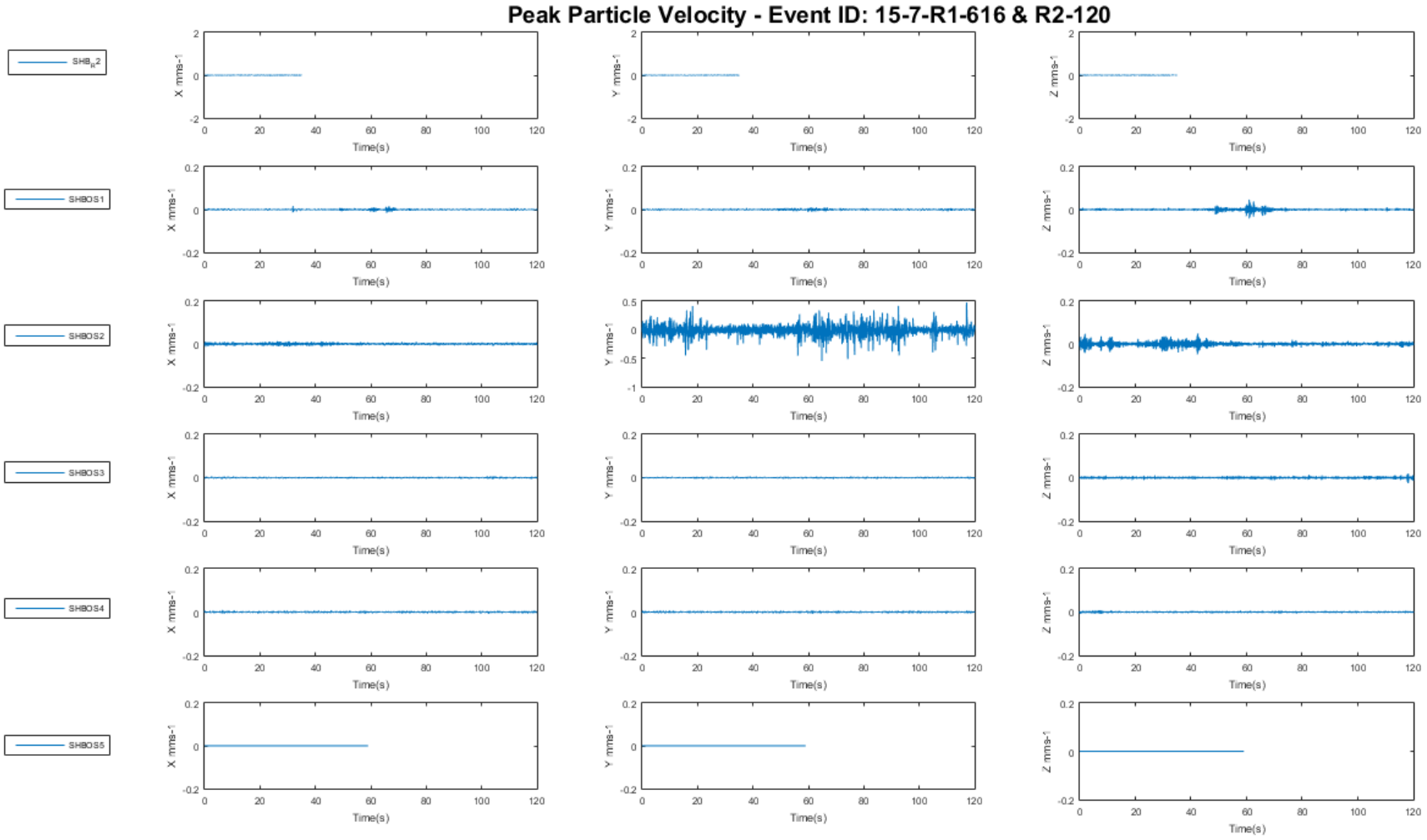


FIGURE 3.169: SHB_OS 1 - 5 15-7-R1-616 & R2-120

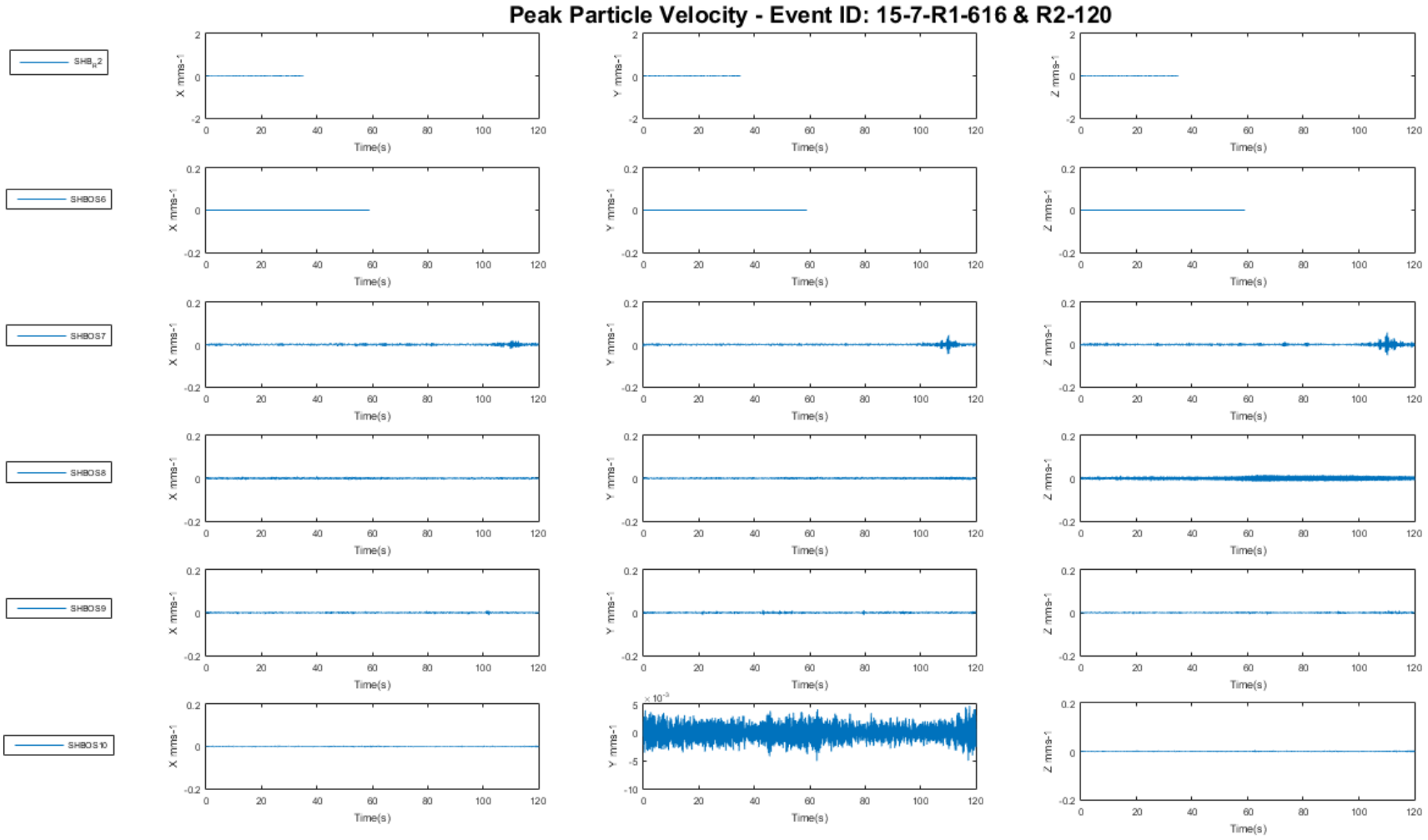


FIGURE 3.170: SHB_OS 6 - 10 15-7-R1-616 & R2-120

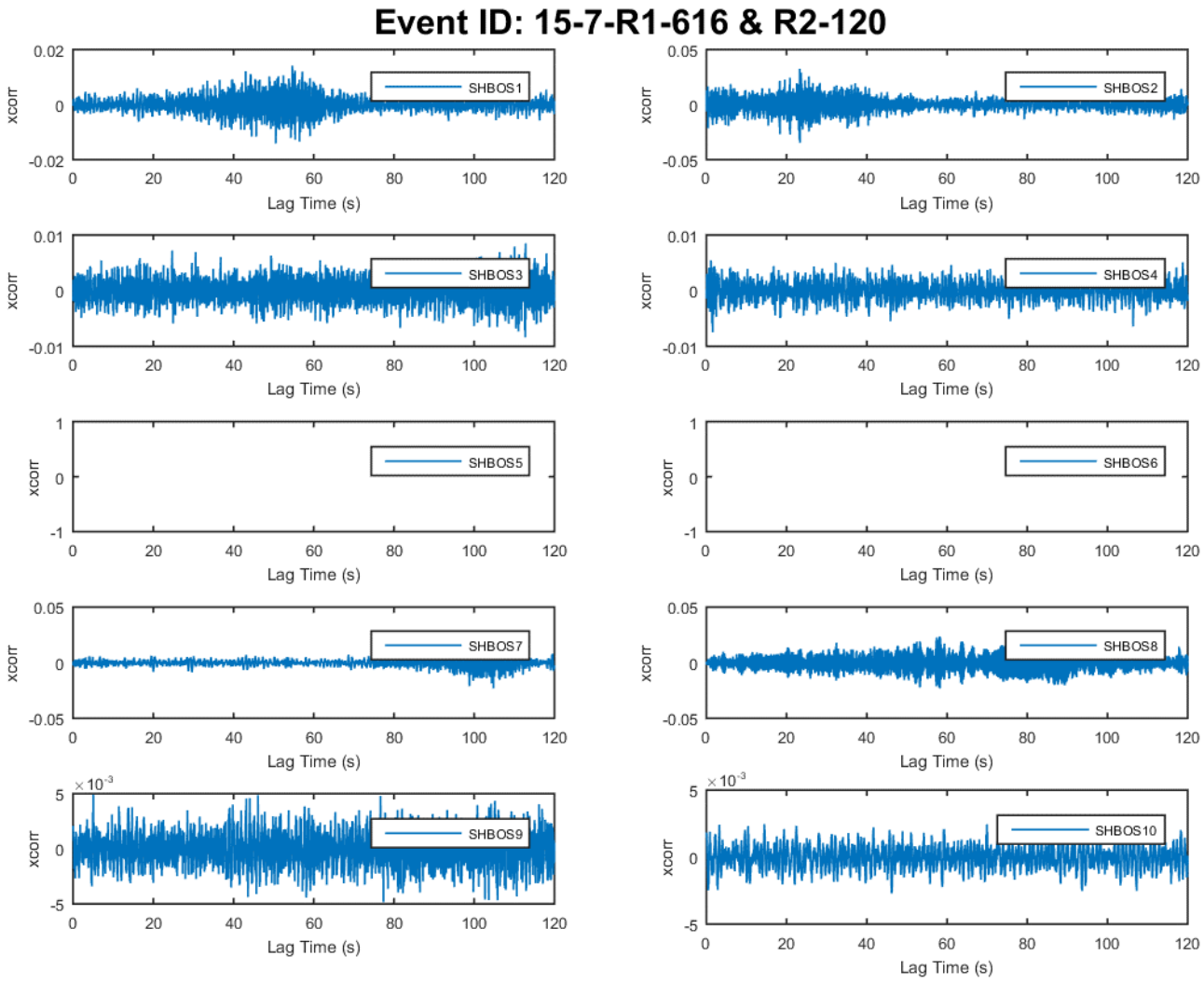


FIGURE 3.171: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-616 & R2-120

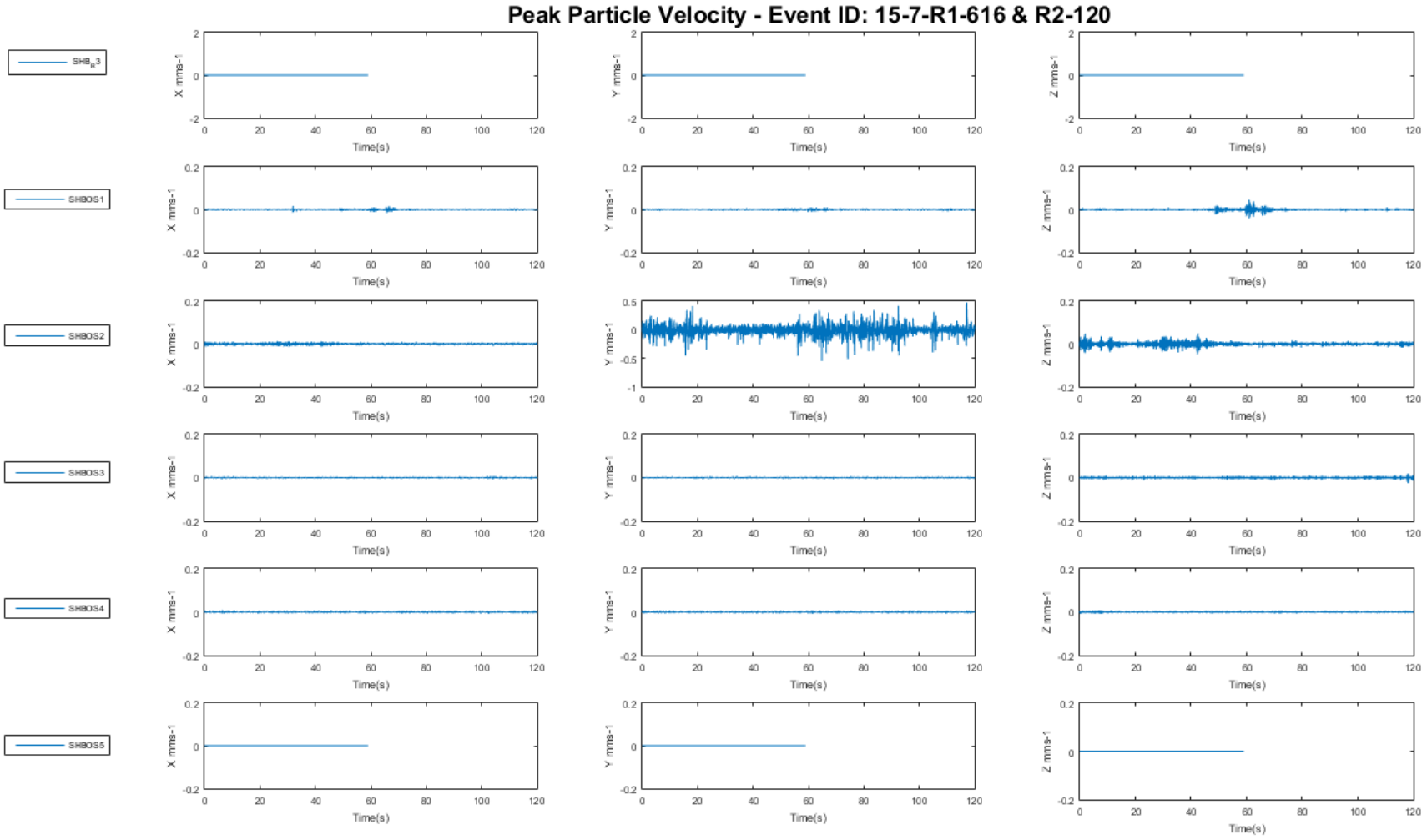


FIGURE 3.172: SHB_OS 1 - 5 15-7-R1-616 & R2-120

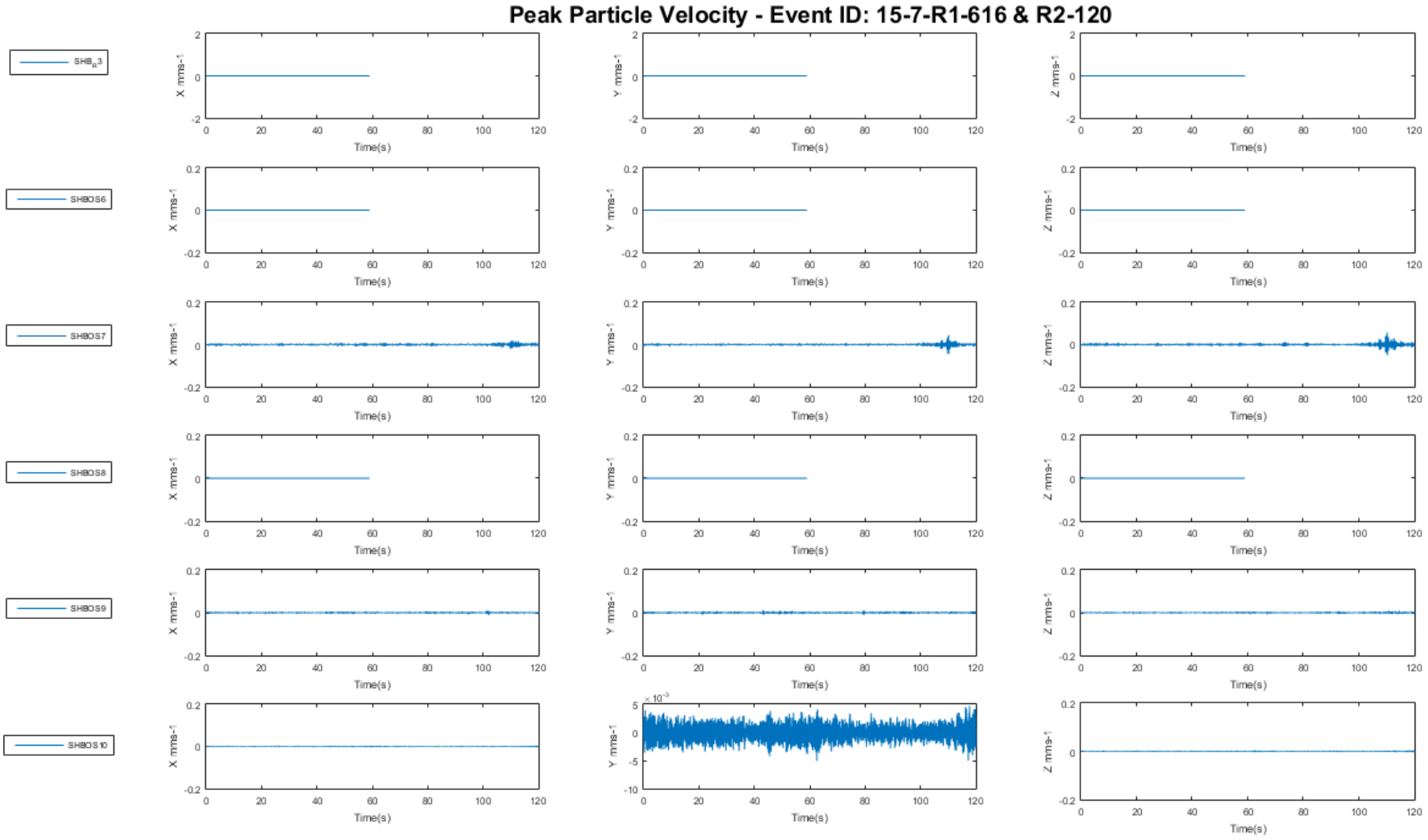


FIGURE 3.173: SHB_OS 6 - 10 15-7-R1-616 & R2-120

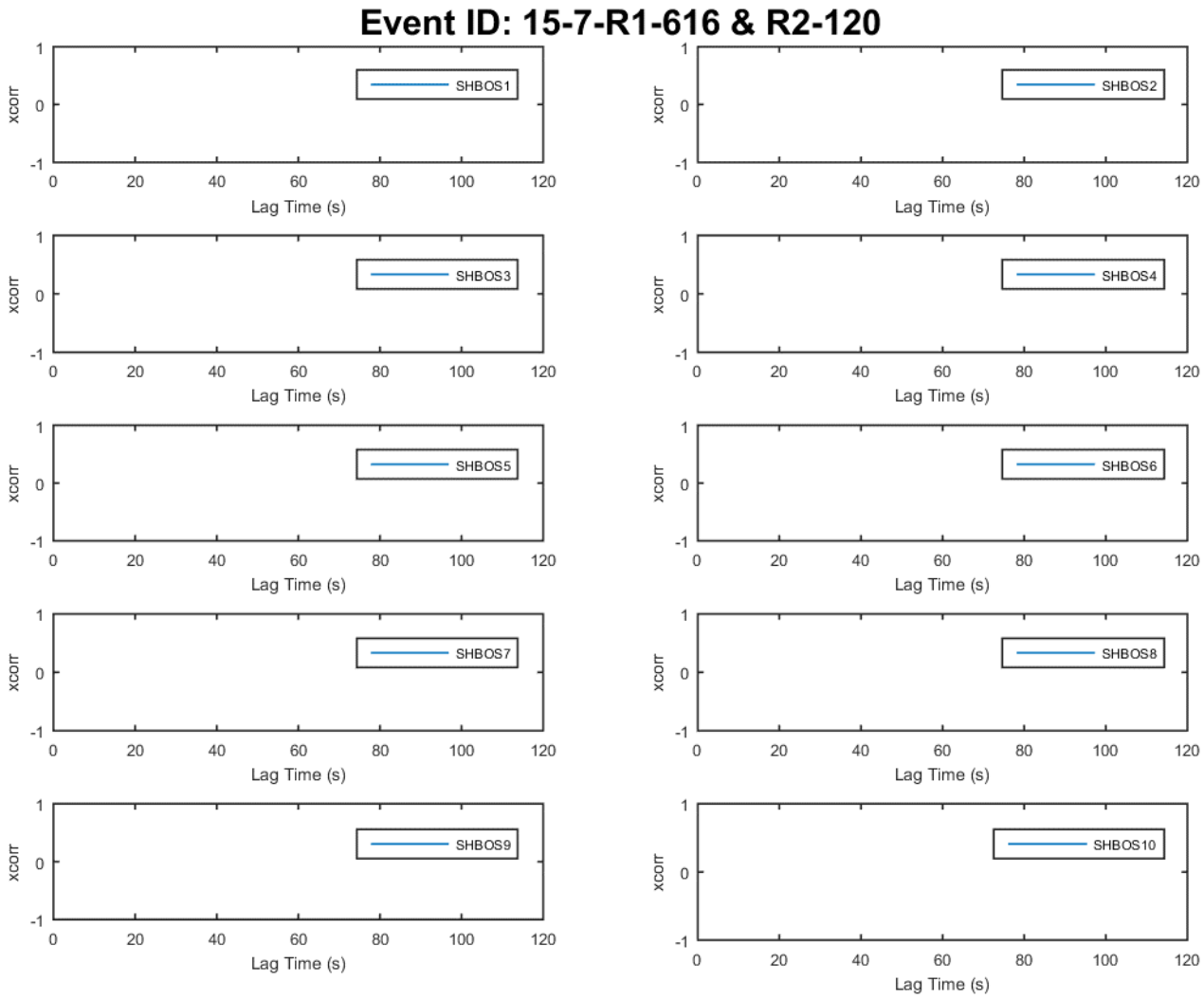


FIGURE 3.174: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-616 & R2-120

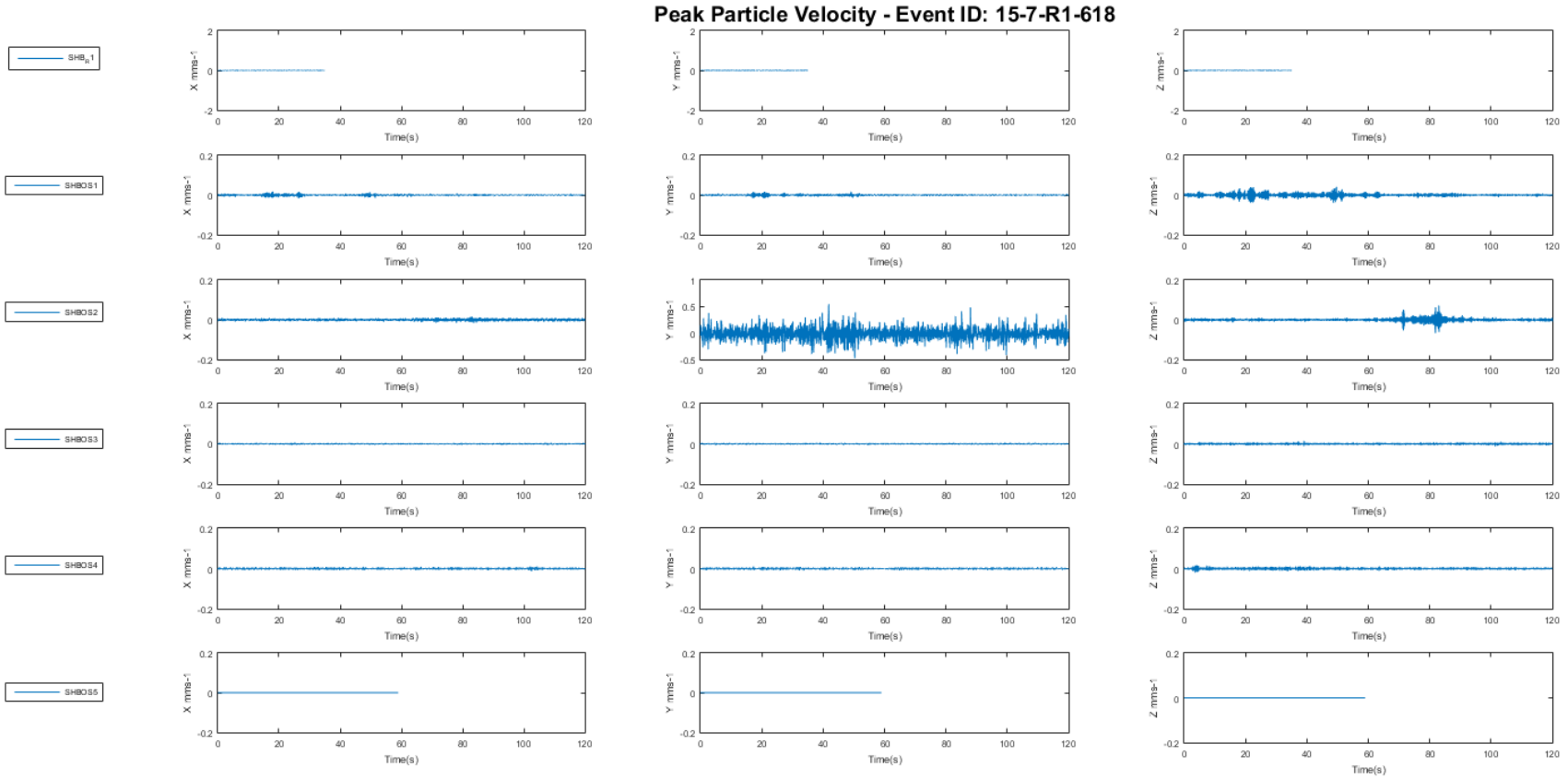


FIGURE 3.175: SHB_OS 1 - 5 15-7-R1-618

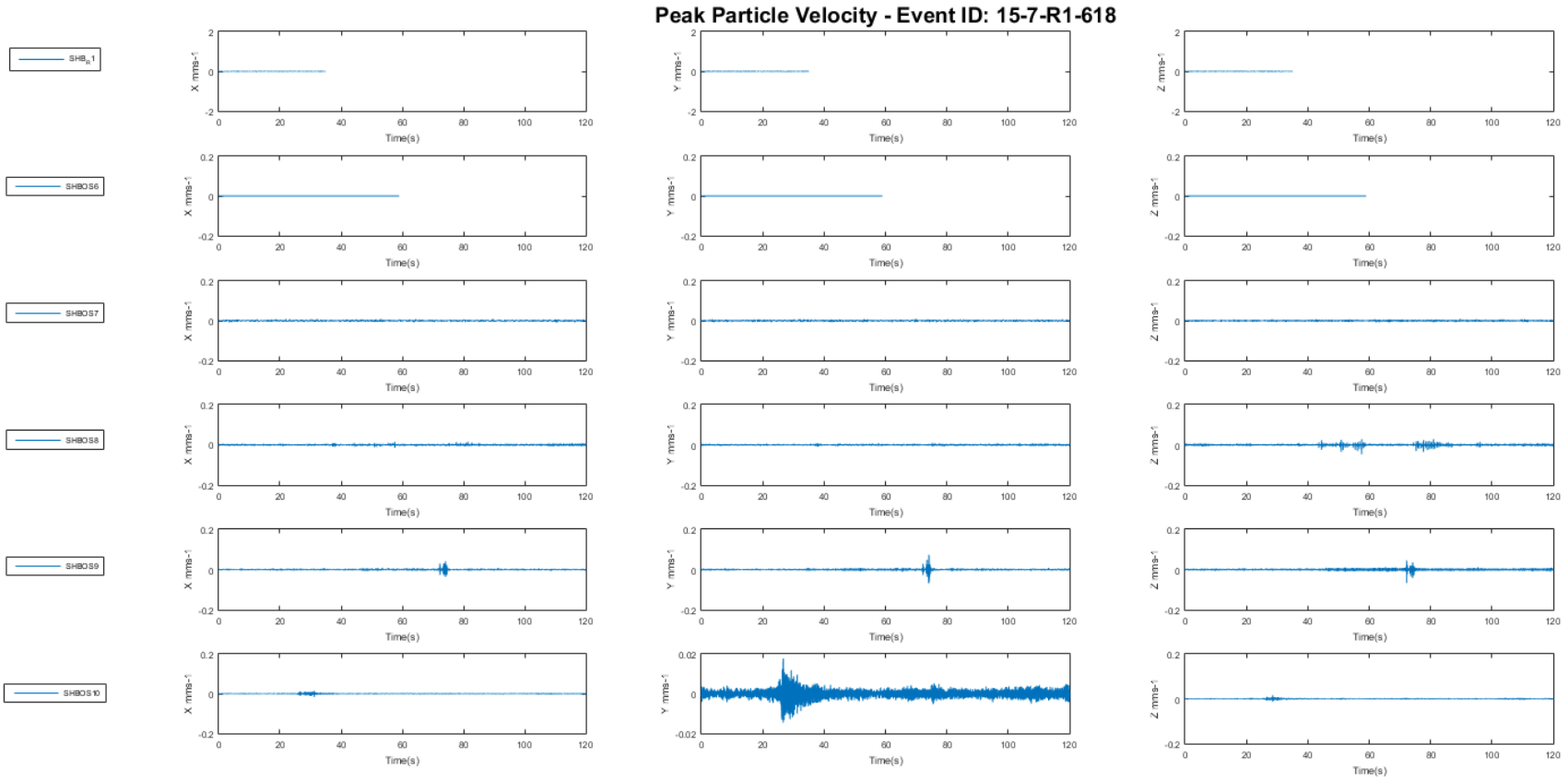


FIGURE 3.176: SHB_OS 6 - 10 15-7-R1-618

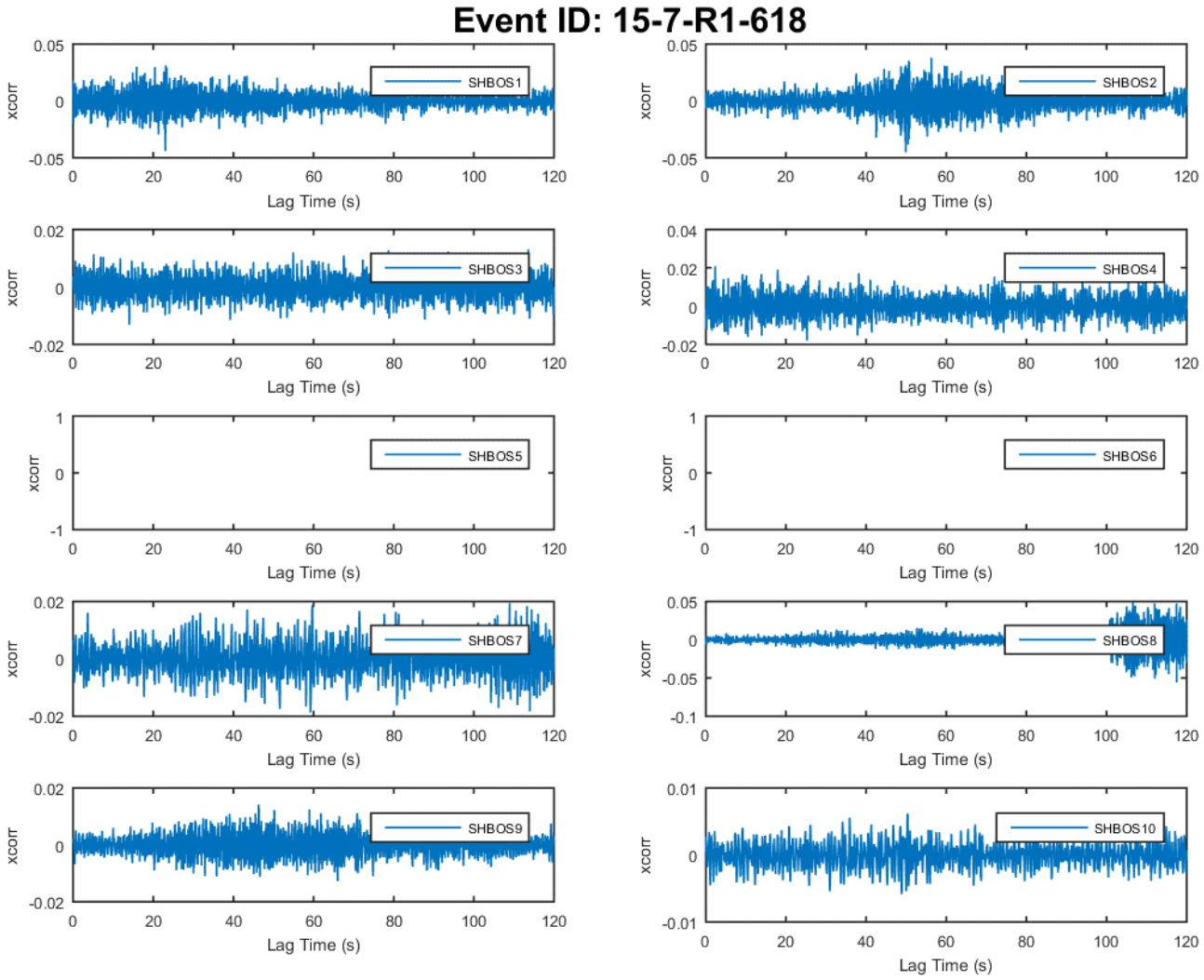


FIGURE 3.177: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-618

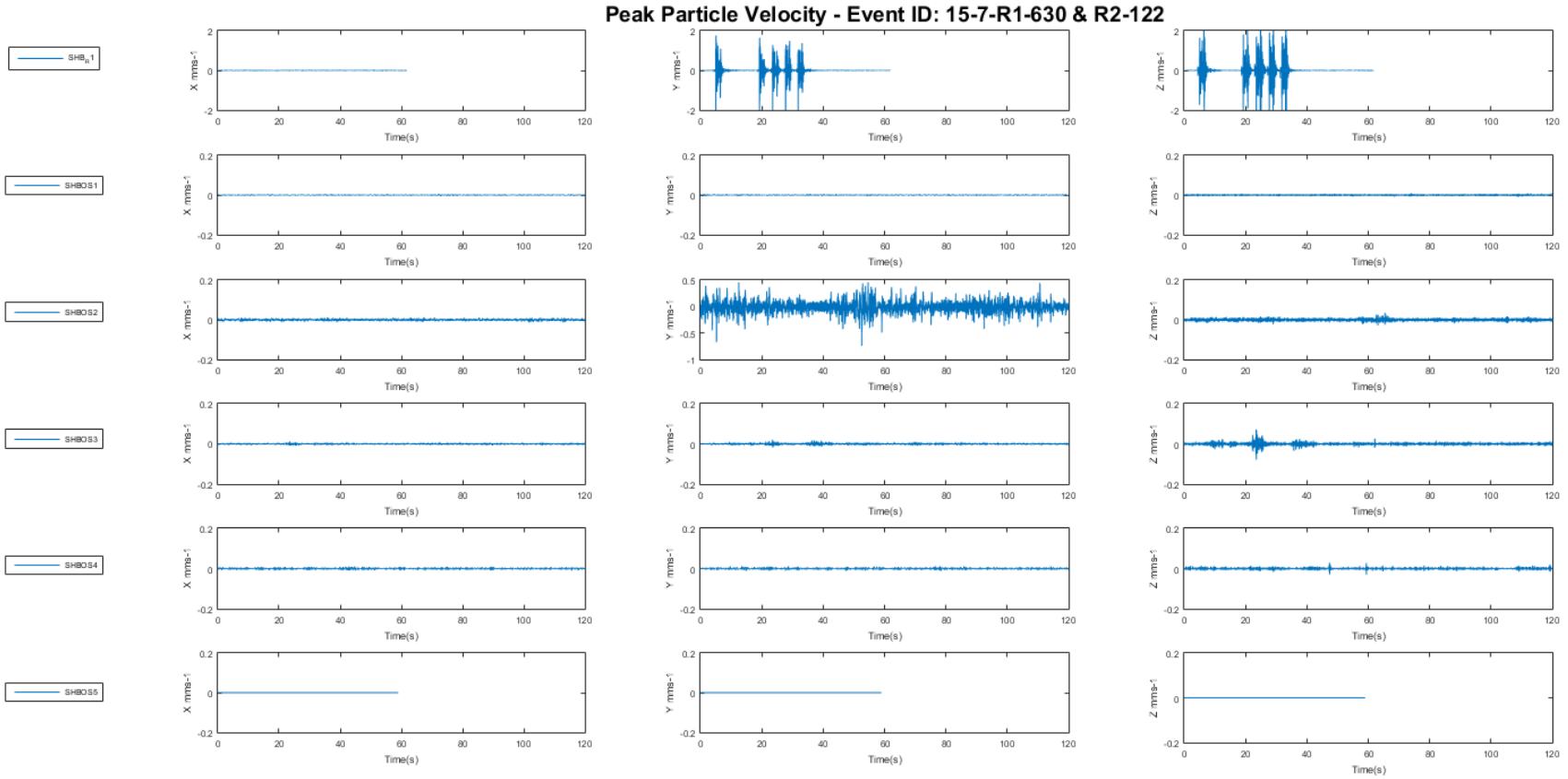


FIGURE 3.178: SHB_OS 1 - 5 15-7-R1-630 & R2-122

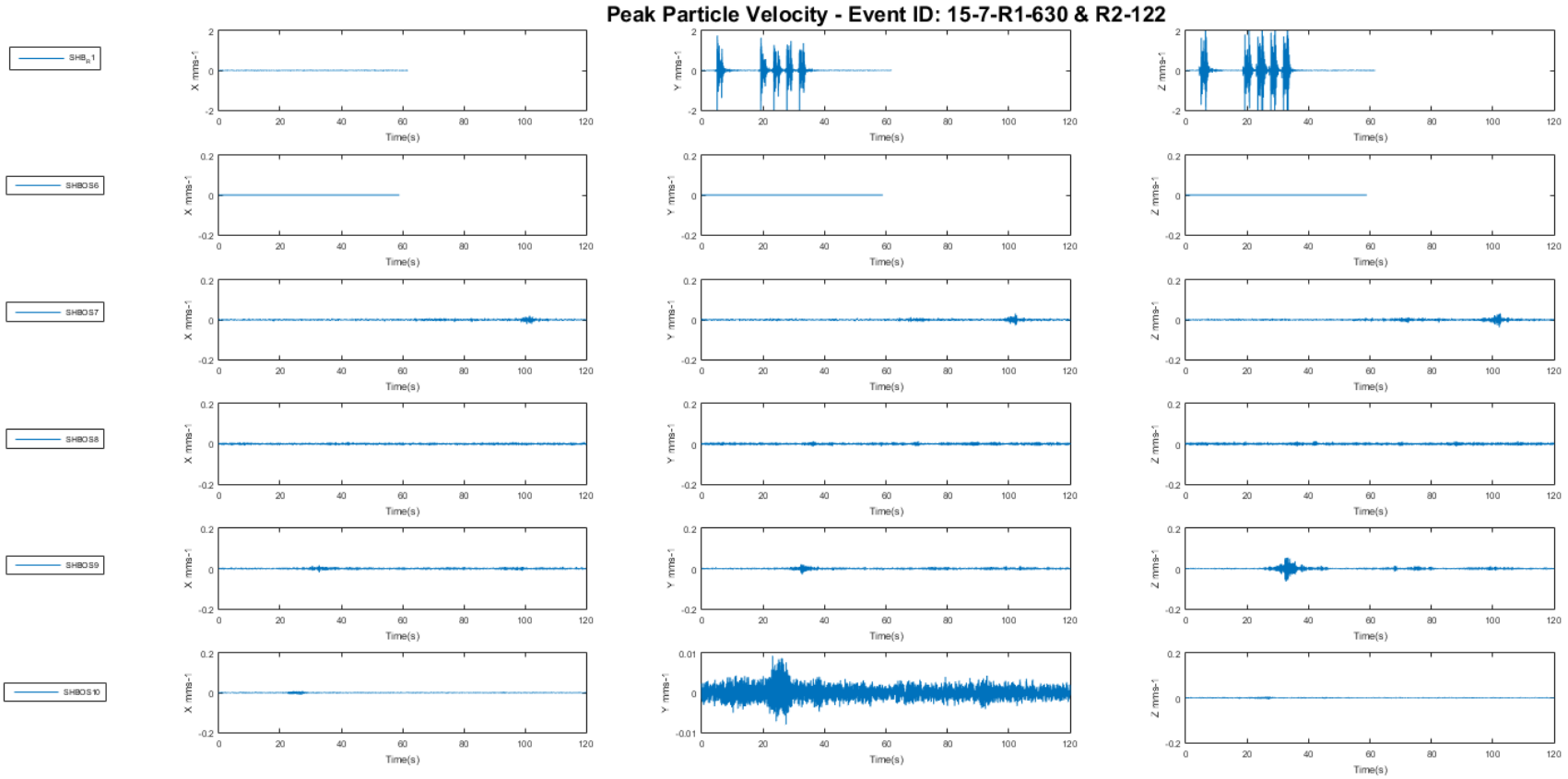


FIGURE 3.179: SHB_OS 6 - 10 15-7-R1-630 & R2-122

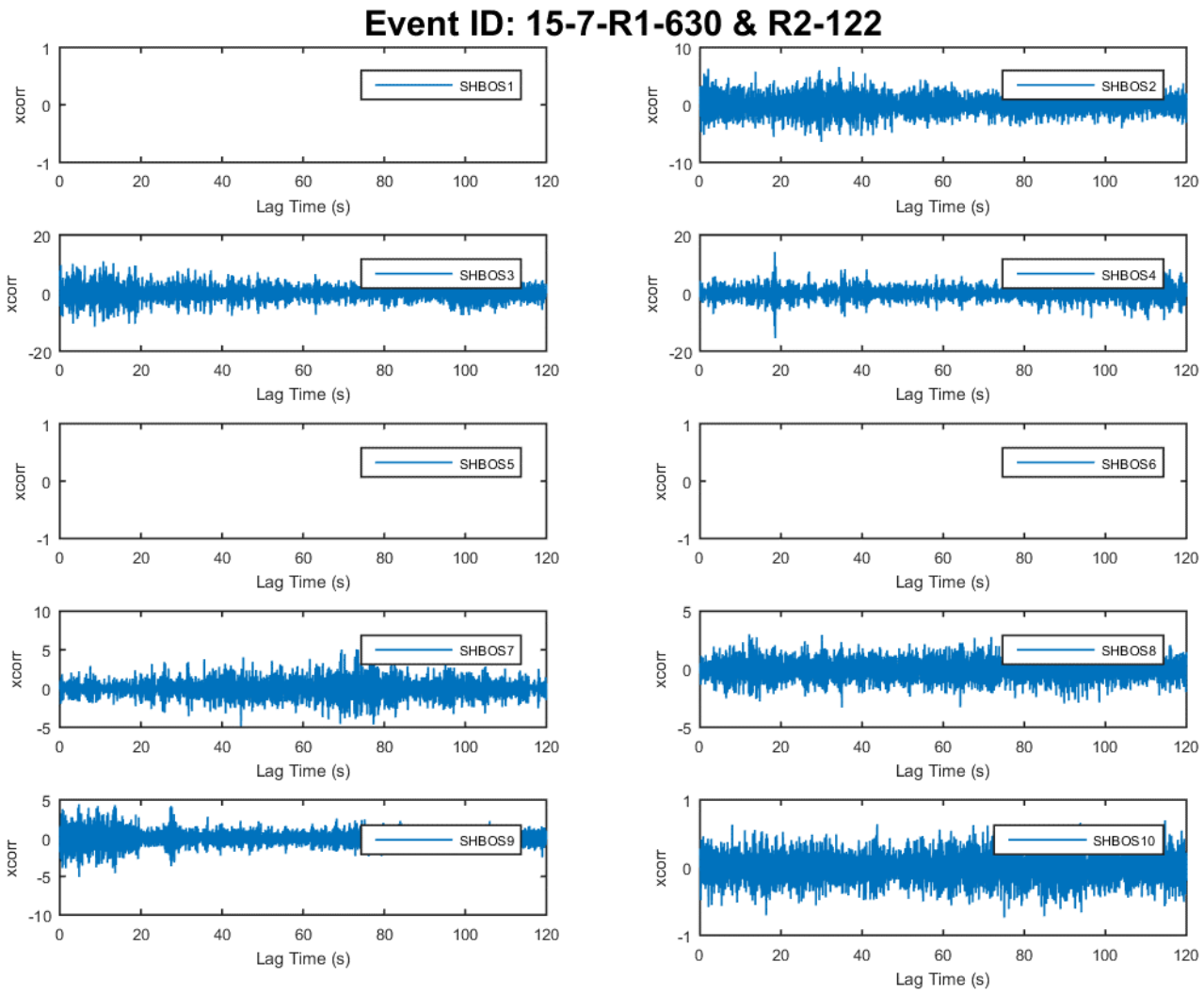


FIGURE 3.180: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-630 & R2-122

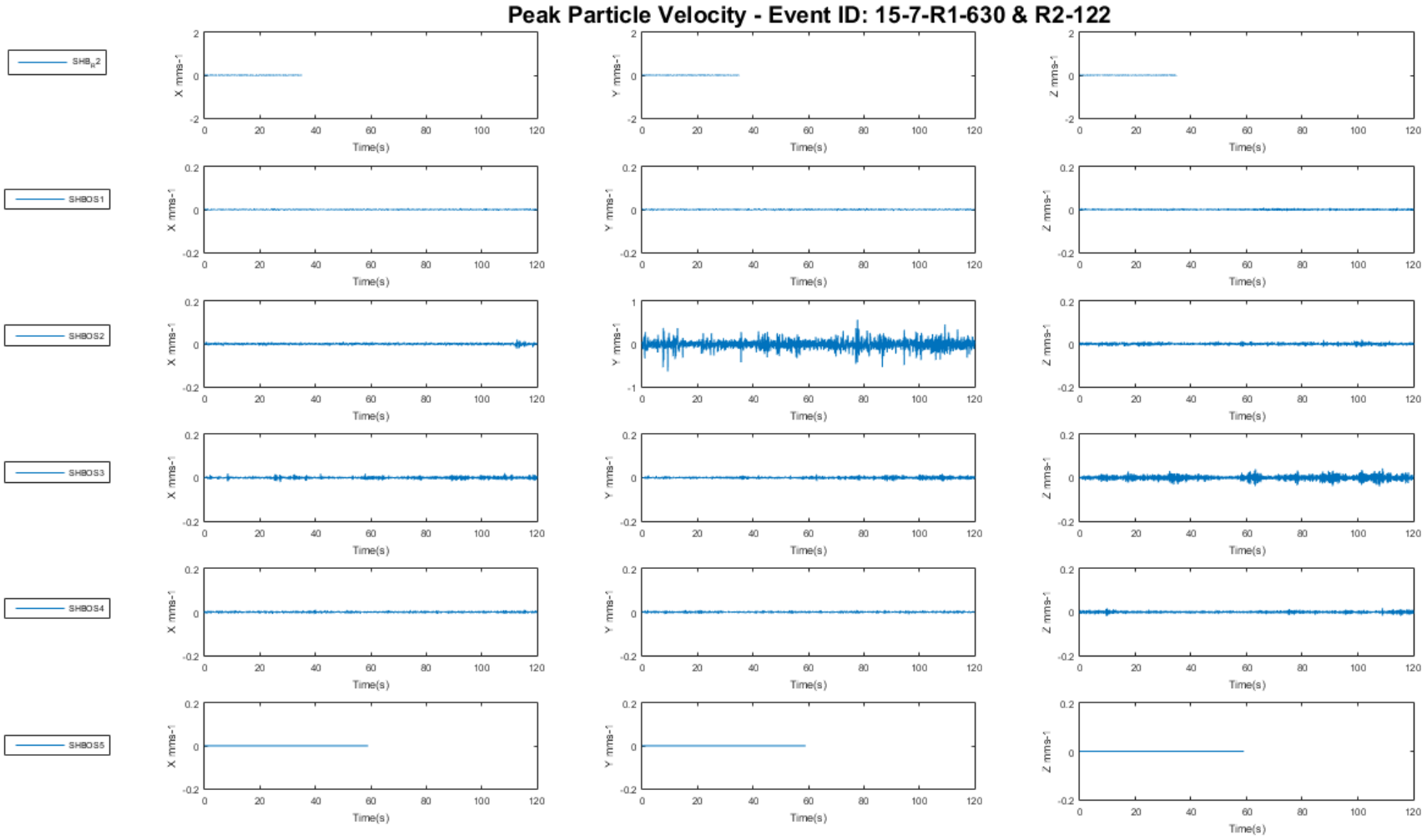


FIGURE 3.181: SHB_OS 1 - 5 15-7-R1-630 & R2-122

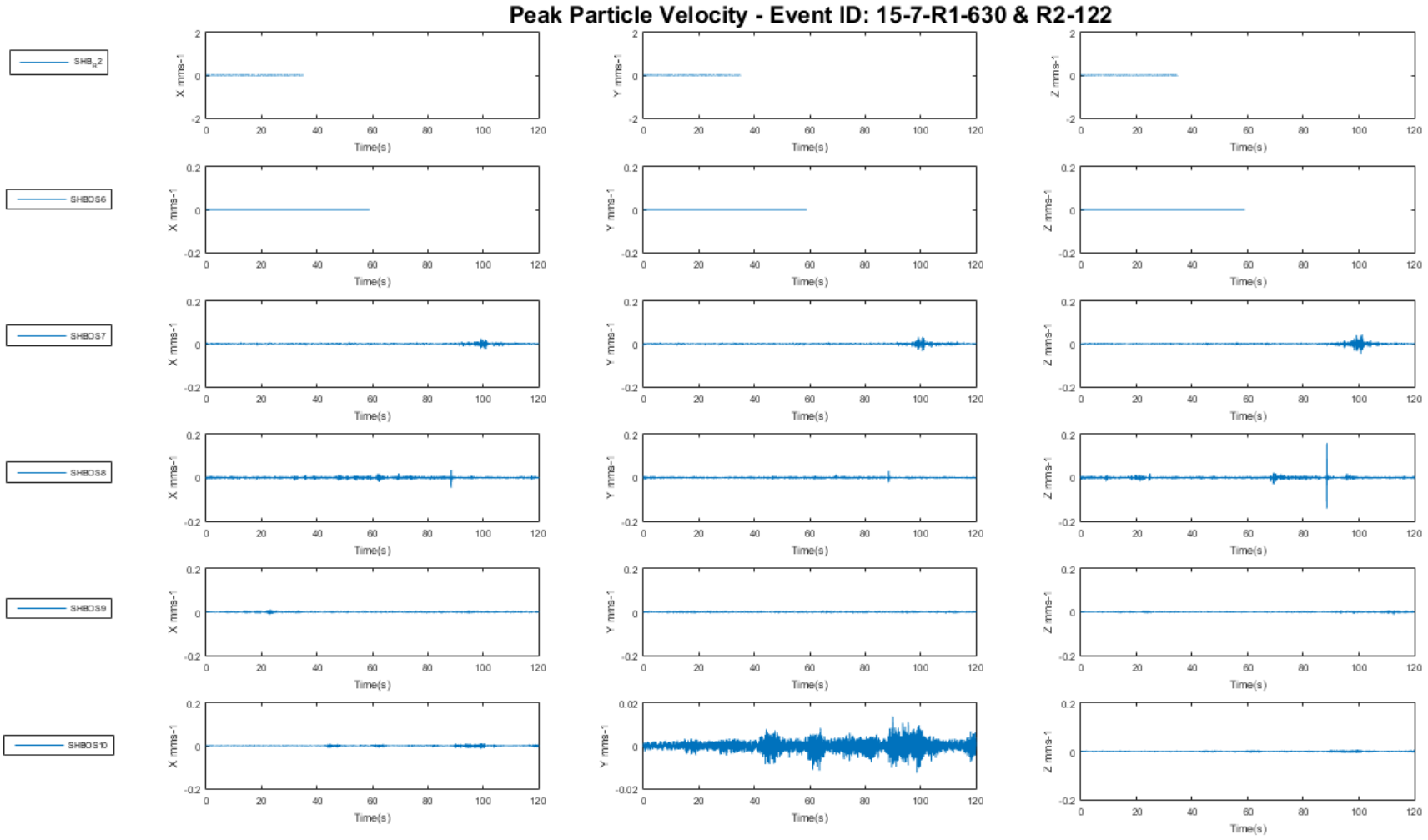


FIGURE 3.182: SHB_OS 6 - 10 15-7-R1-630 & R2-122

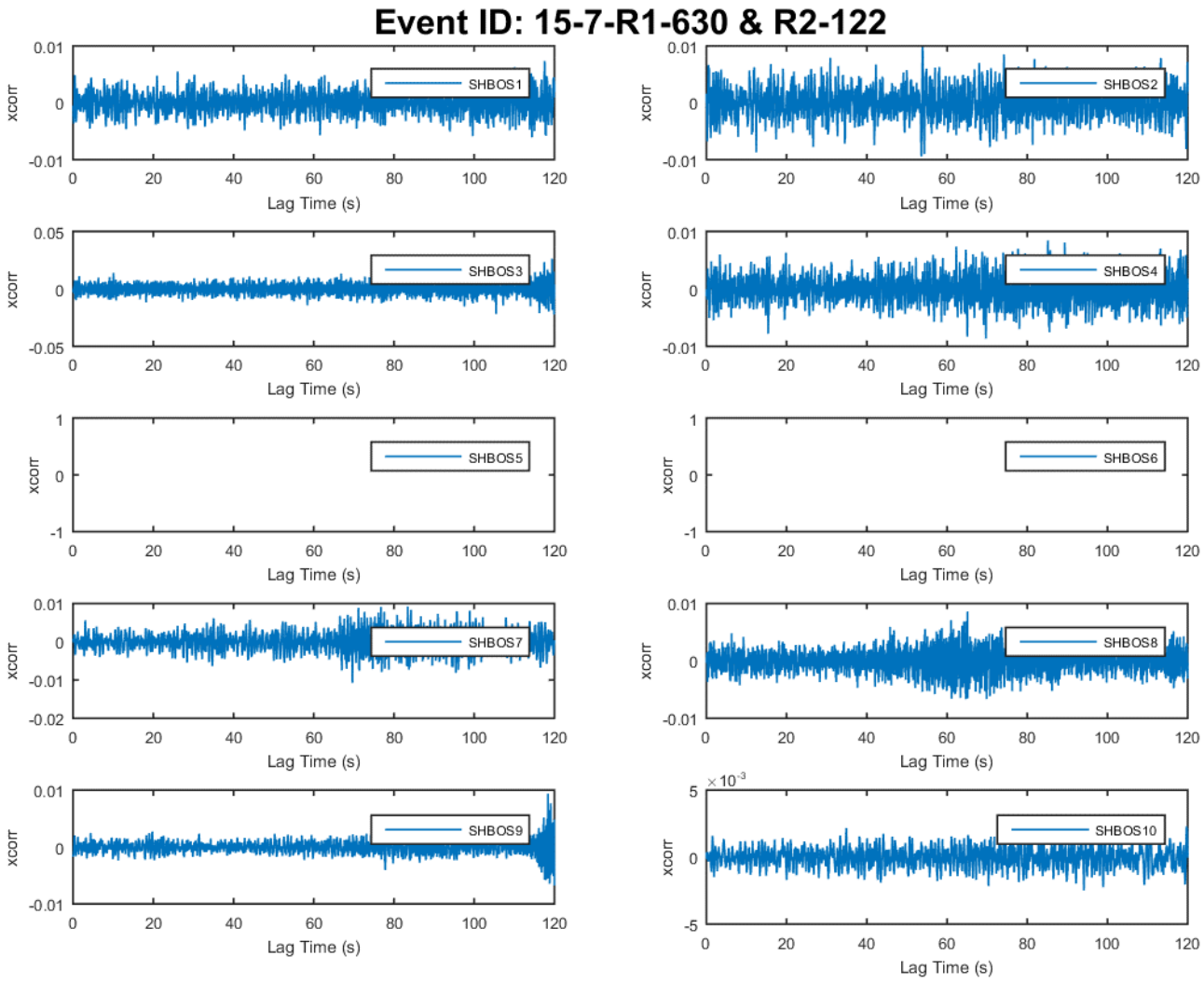


FIGURE 3.183: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-630 & R2-122

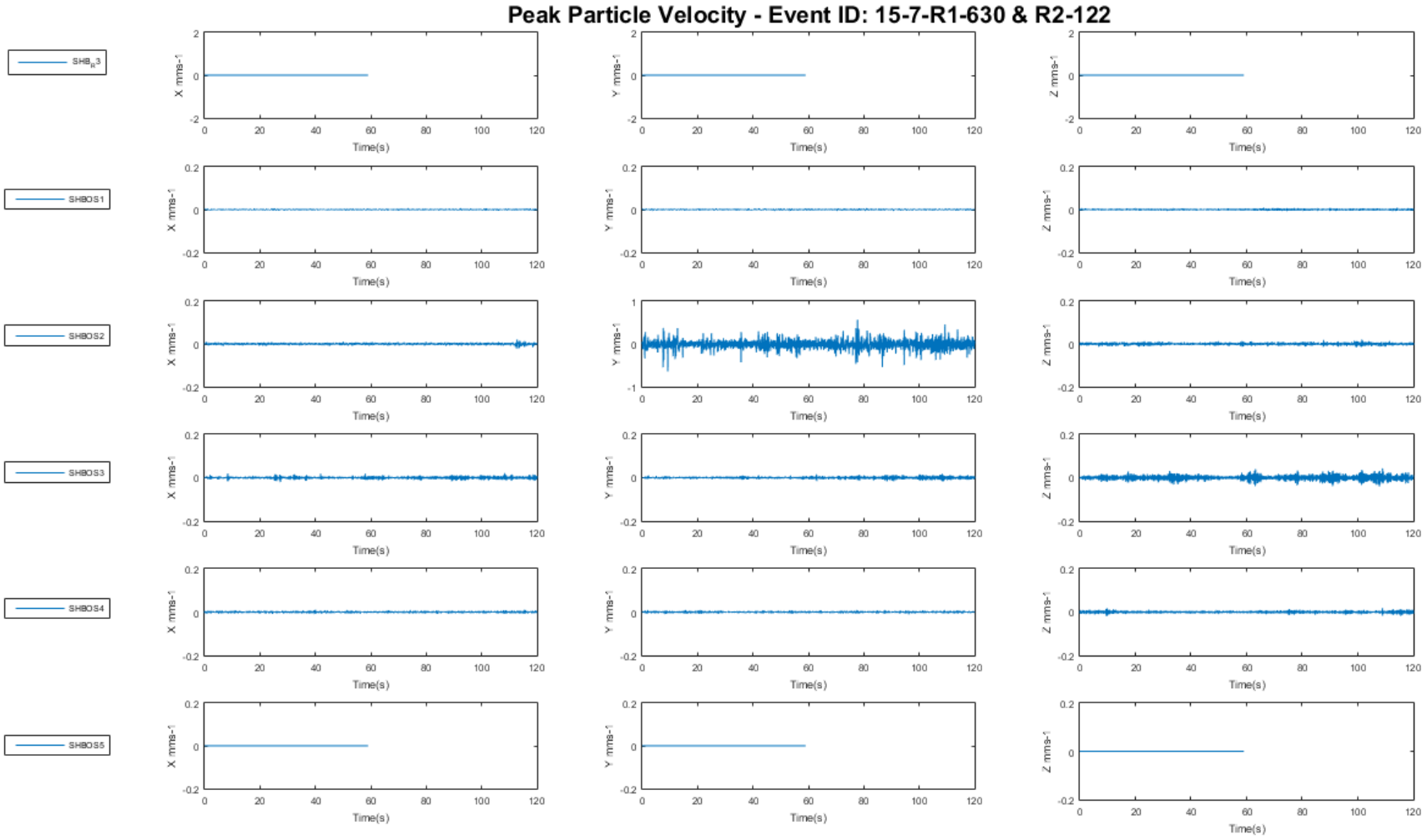


FIGURE 3.184: SHB_OS 1 - 5 15-7-R1-630 & R2-122

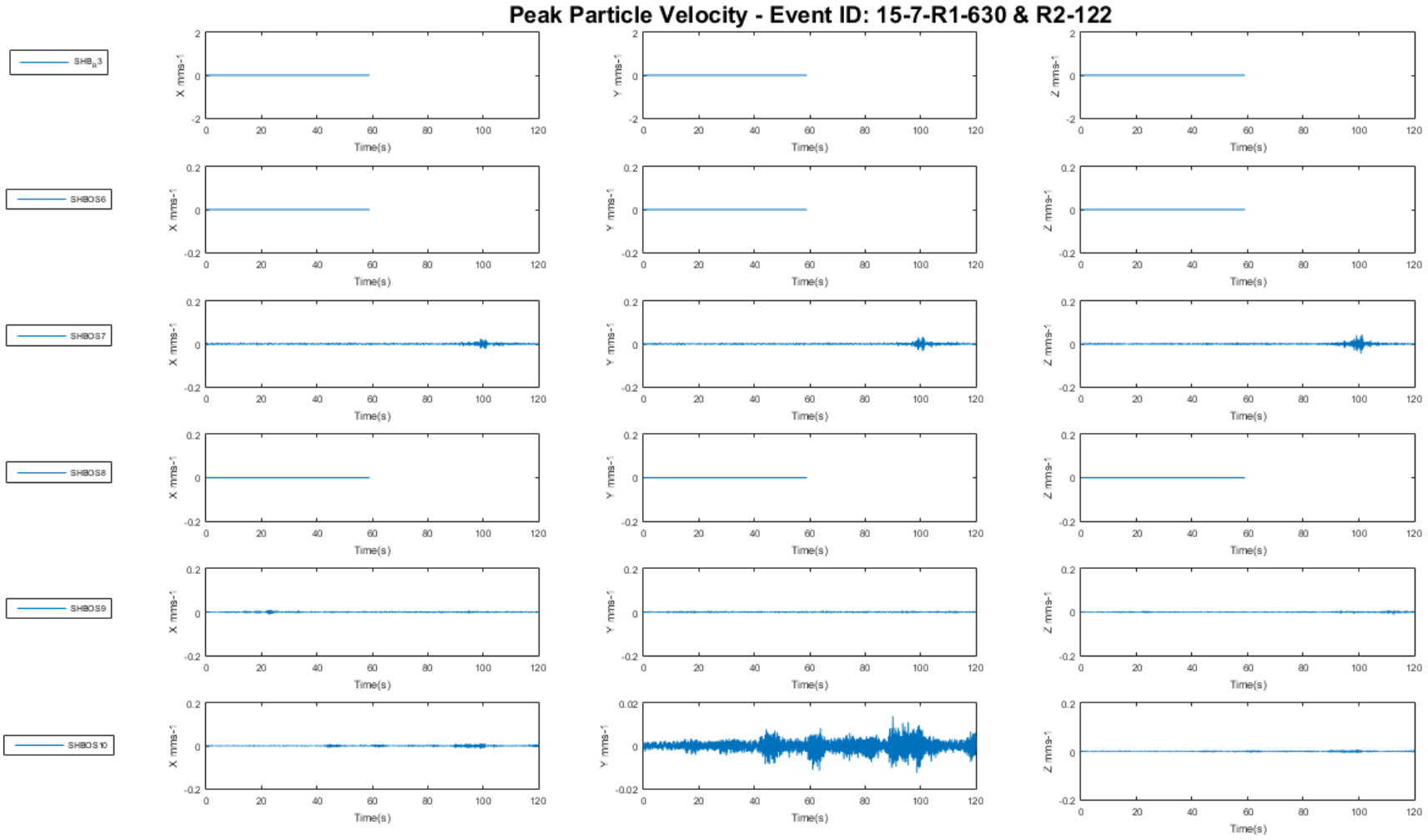


FIGURE 3.185: SHB_OS 6 - 10 15-7-R1-630 & R2-122

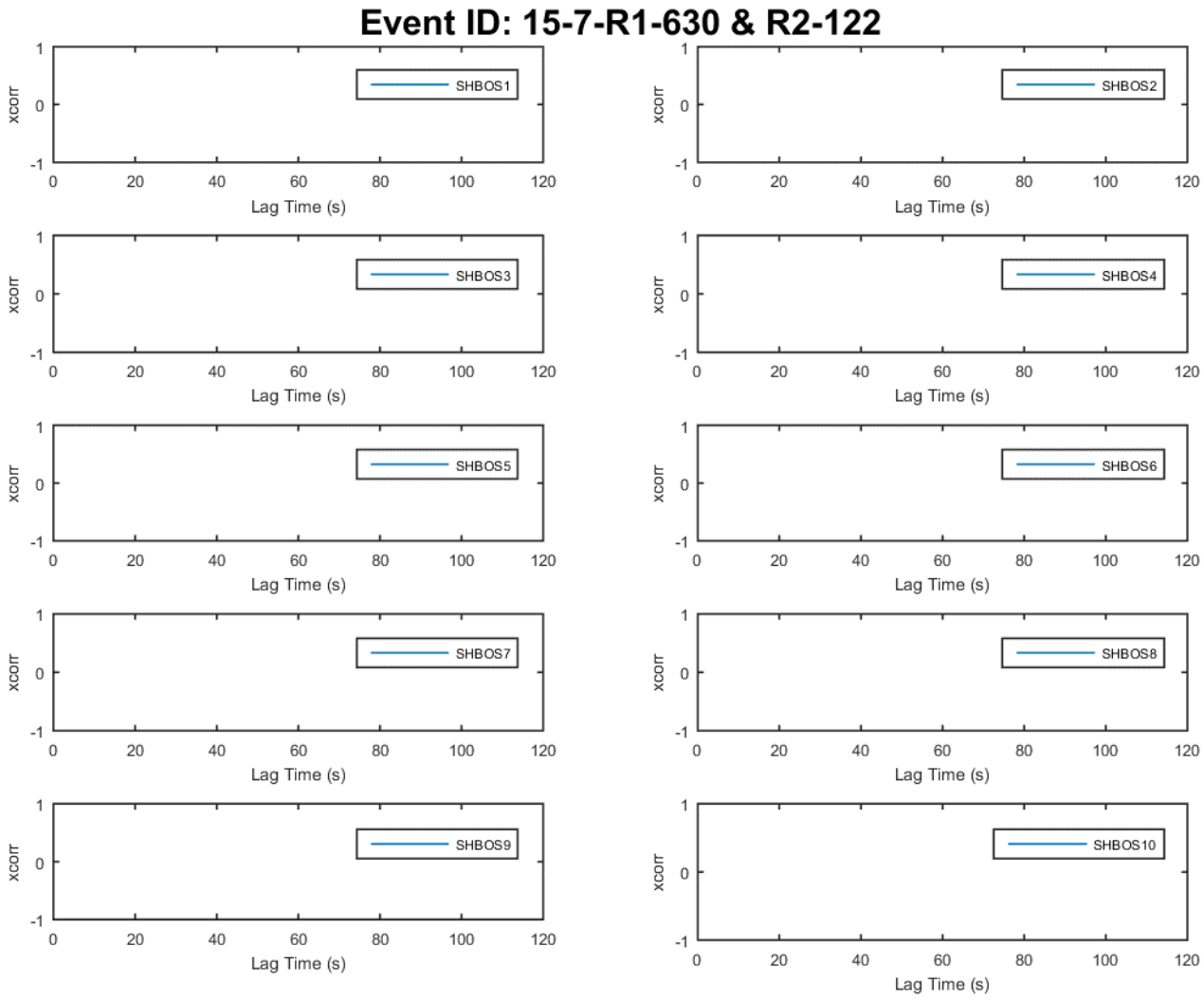


FIGURE 3.186: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-630 & R2-122

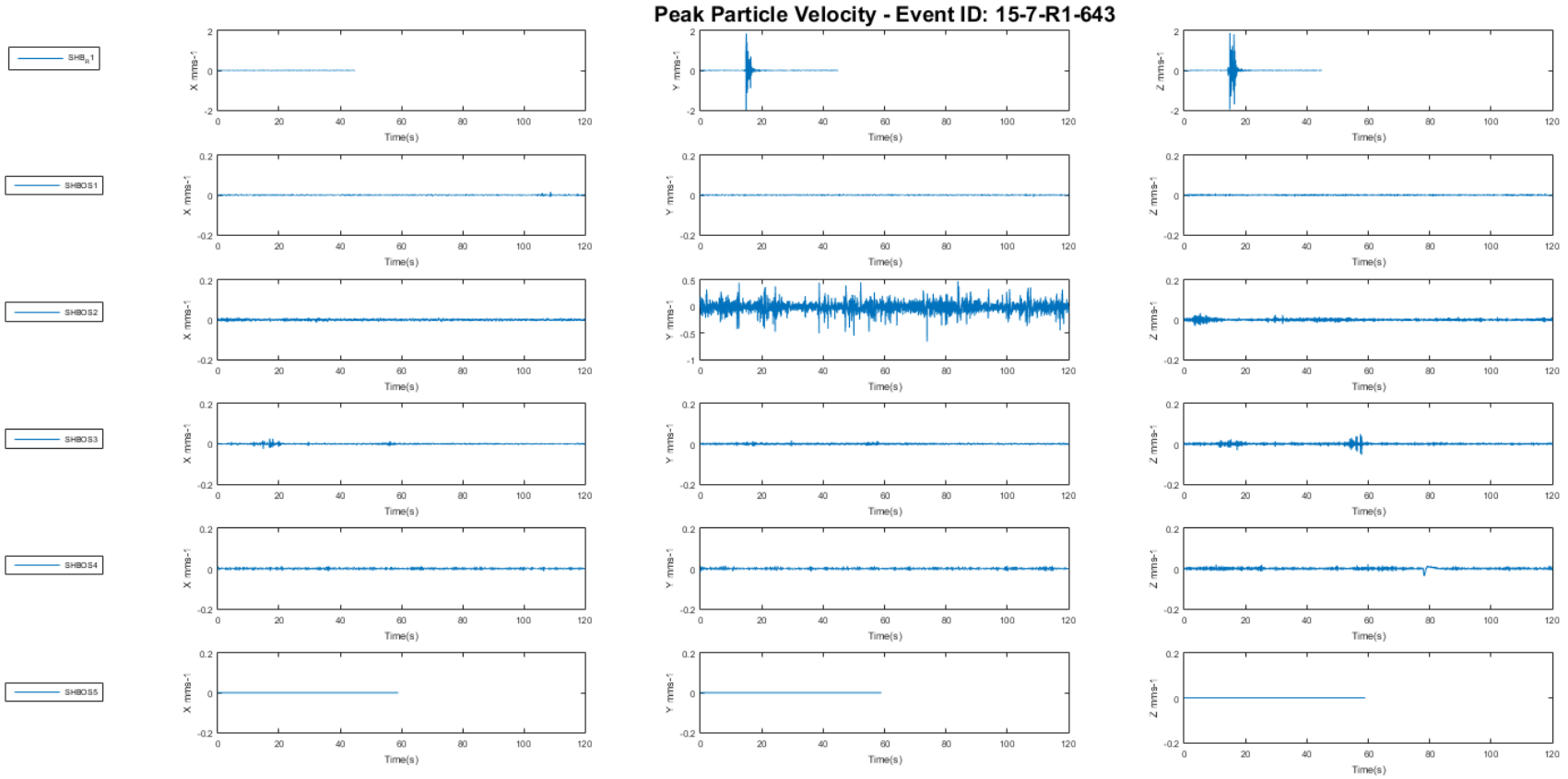


FIGURE 3.187: SHB_OS 1 - 5 15-7-R1-643

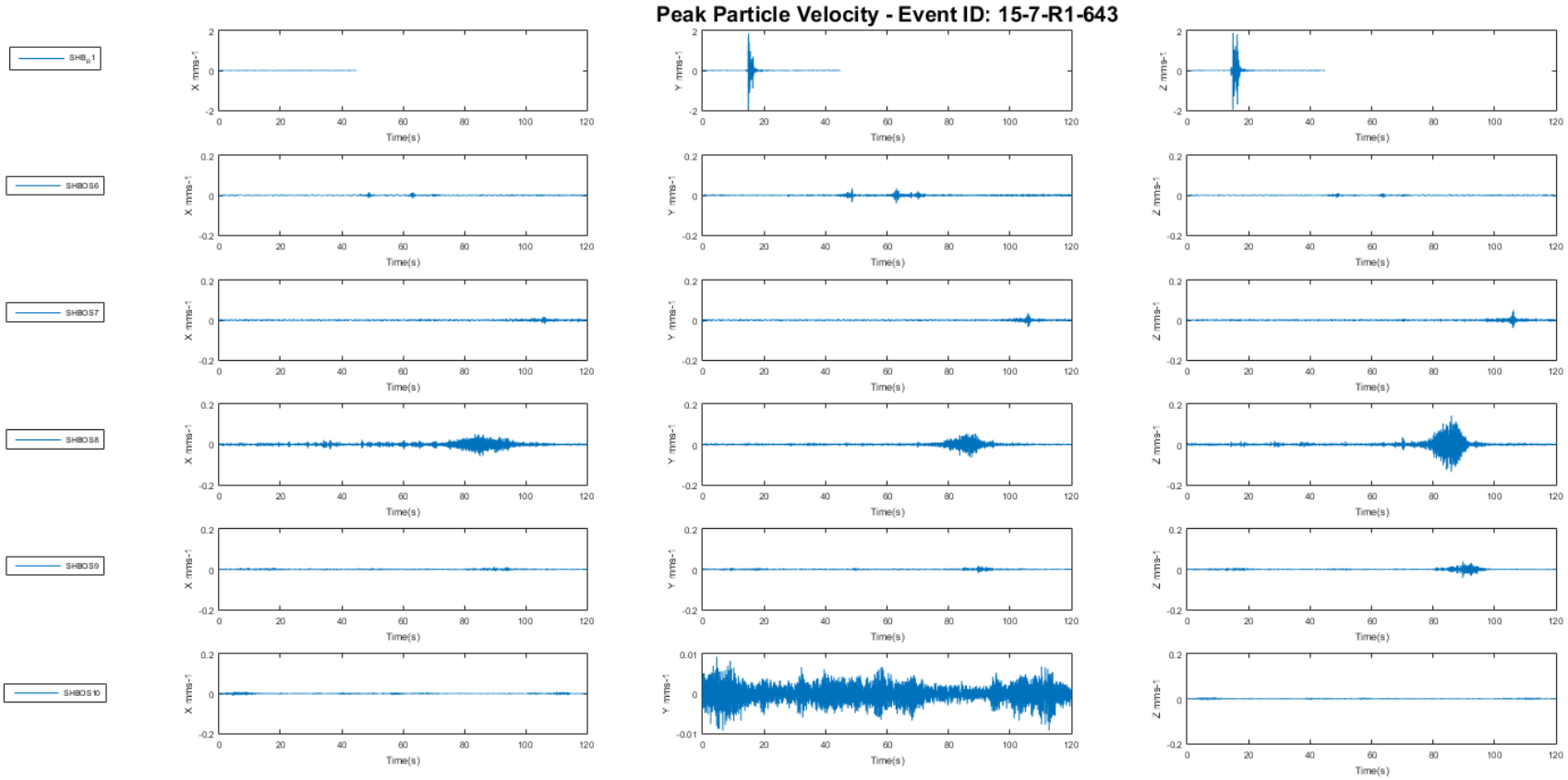


FIGURE 3.188: SHB_OS 6 - 10 15-7-R1-643

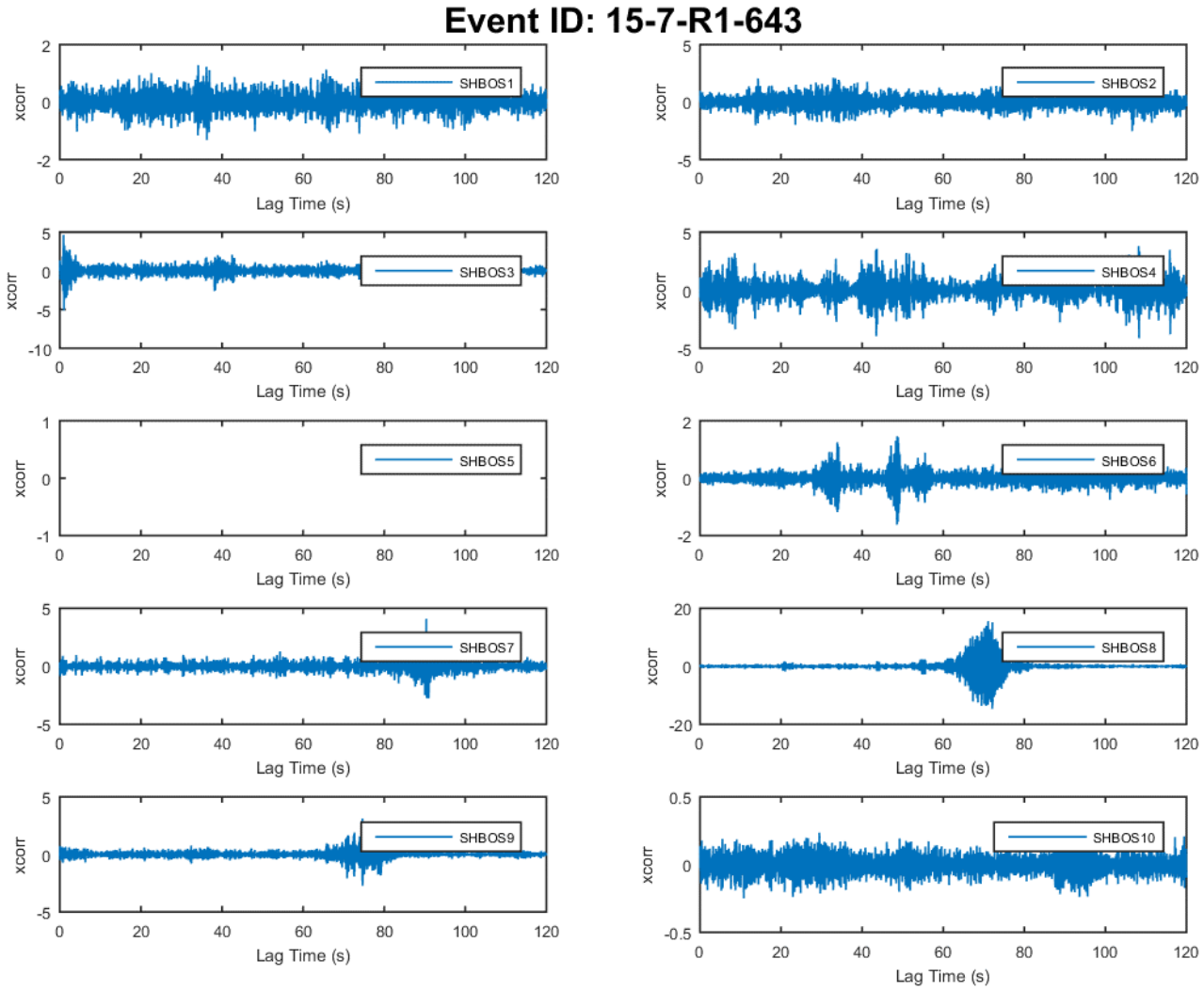


FIGURE 3.189: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-643

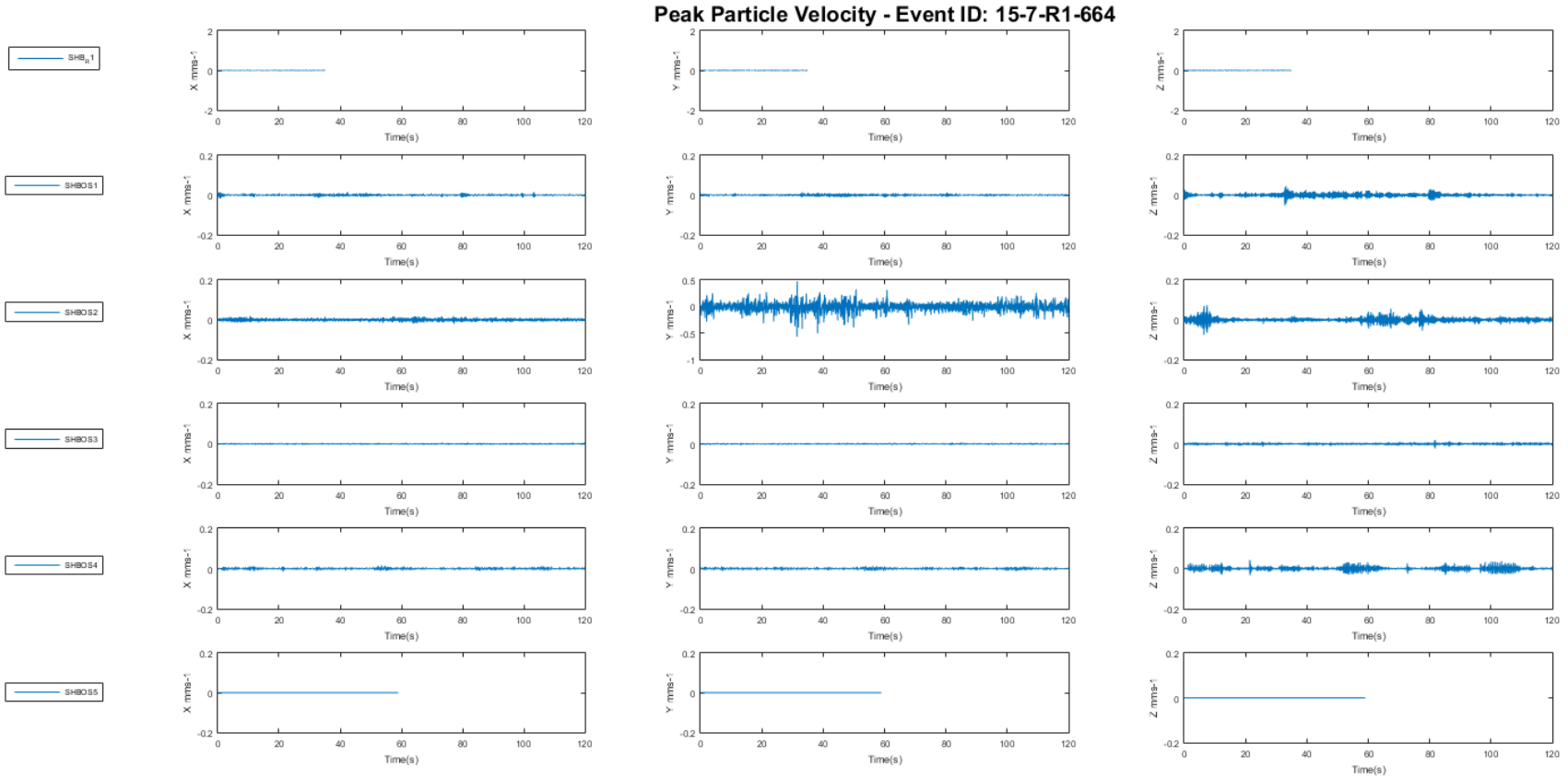


FIGURE 3.190: SHB_OS 1 - 5 15-7-R1-664

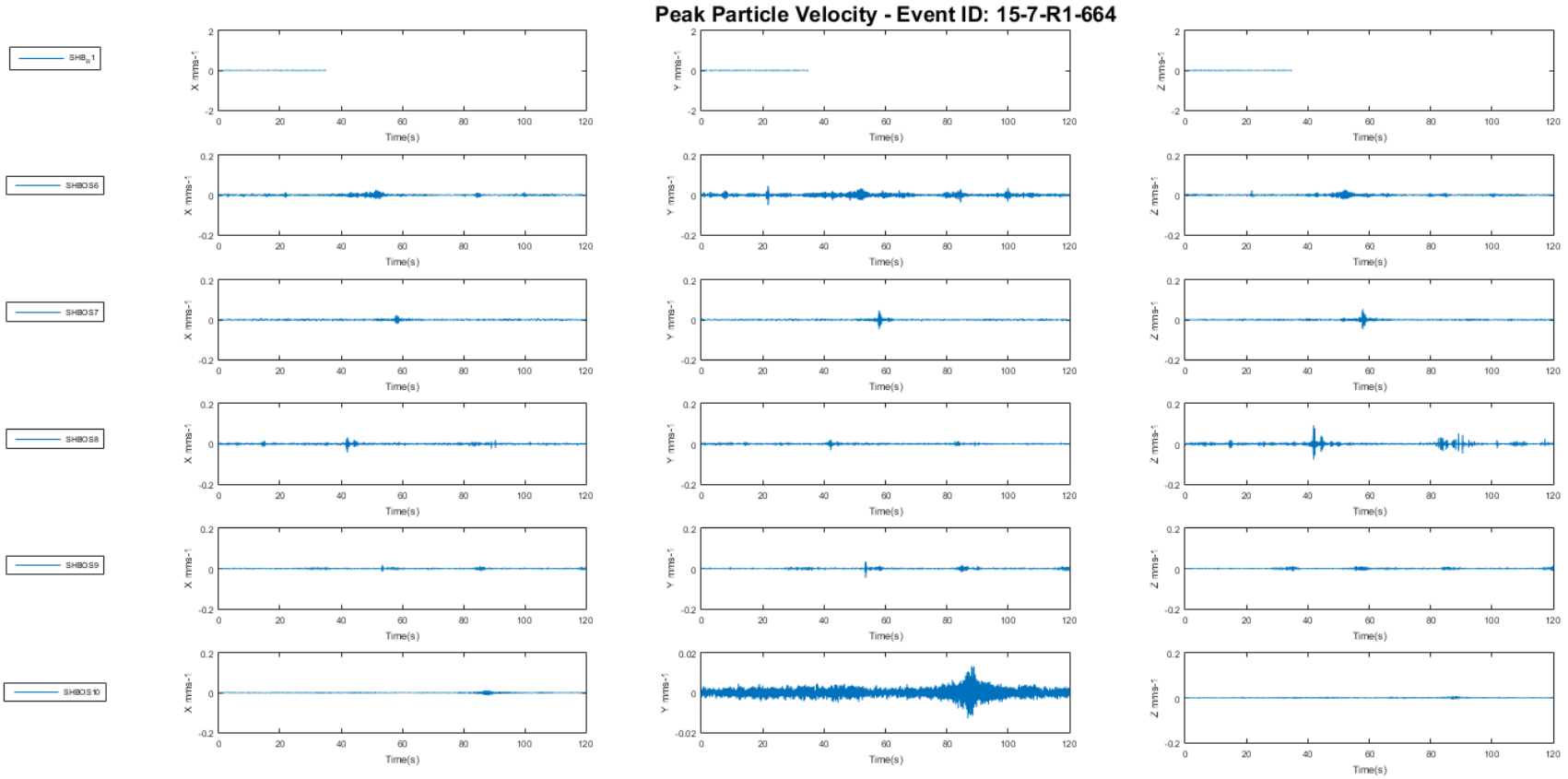


FIGURE 3.191: SHB_OS 6 - 10 15-7-R1-664

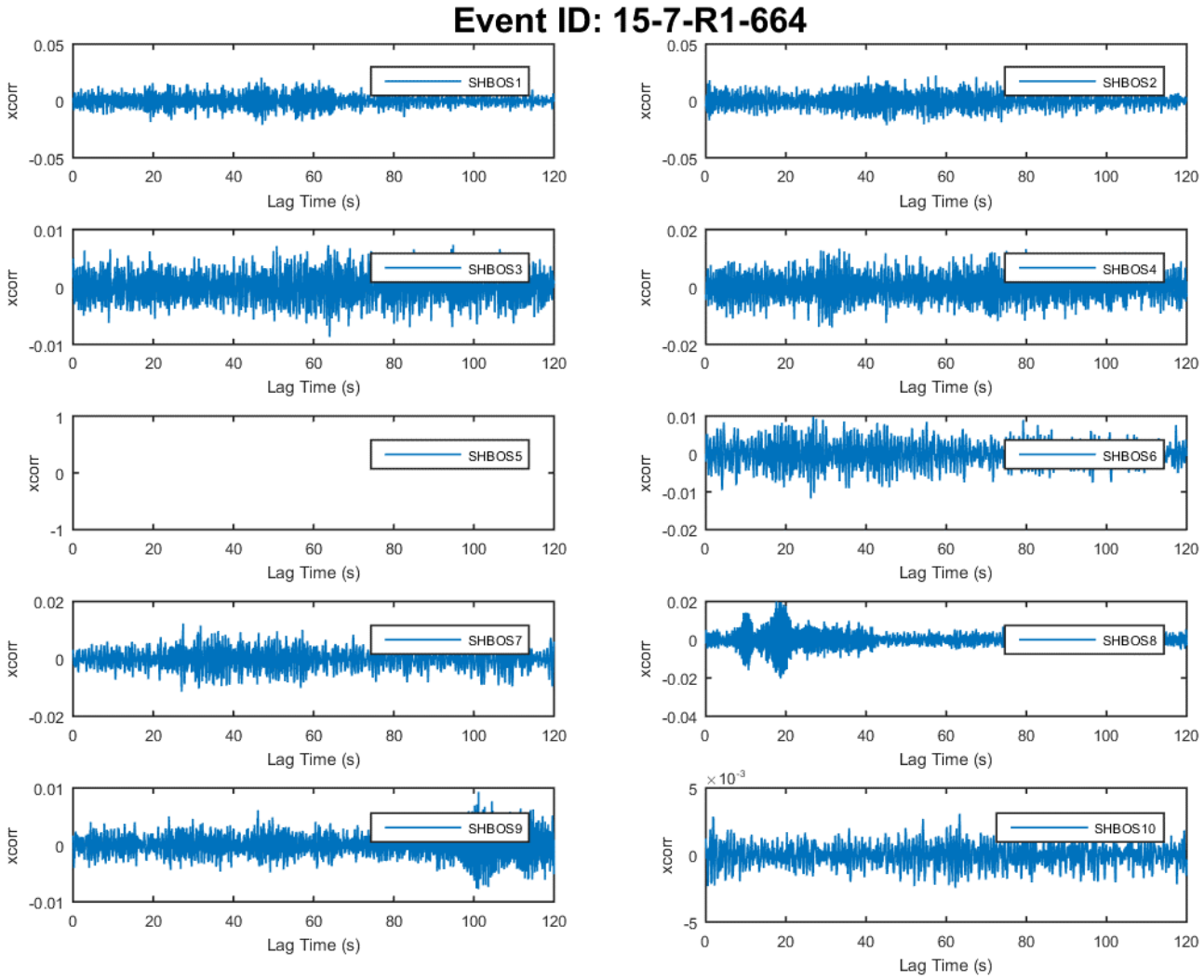


FIGURE 3.192: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-664

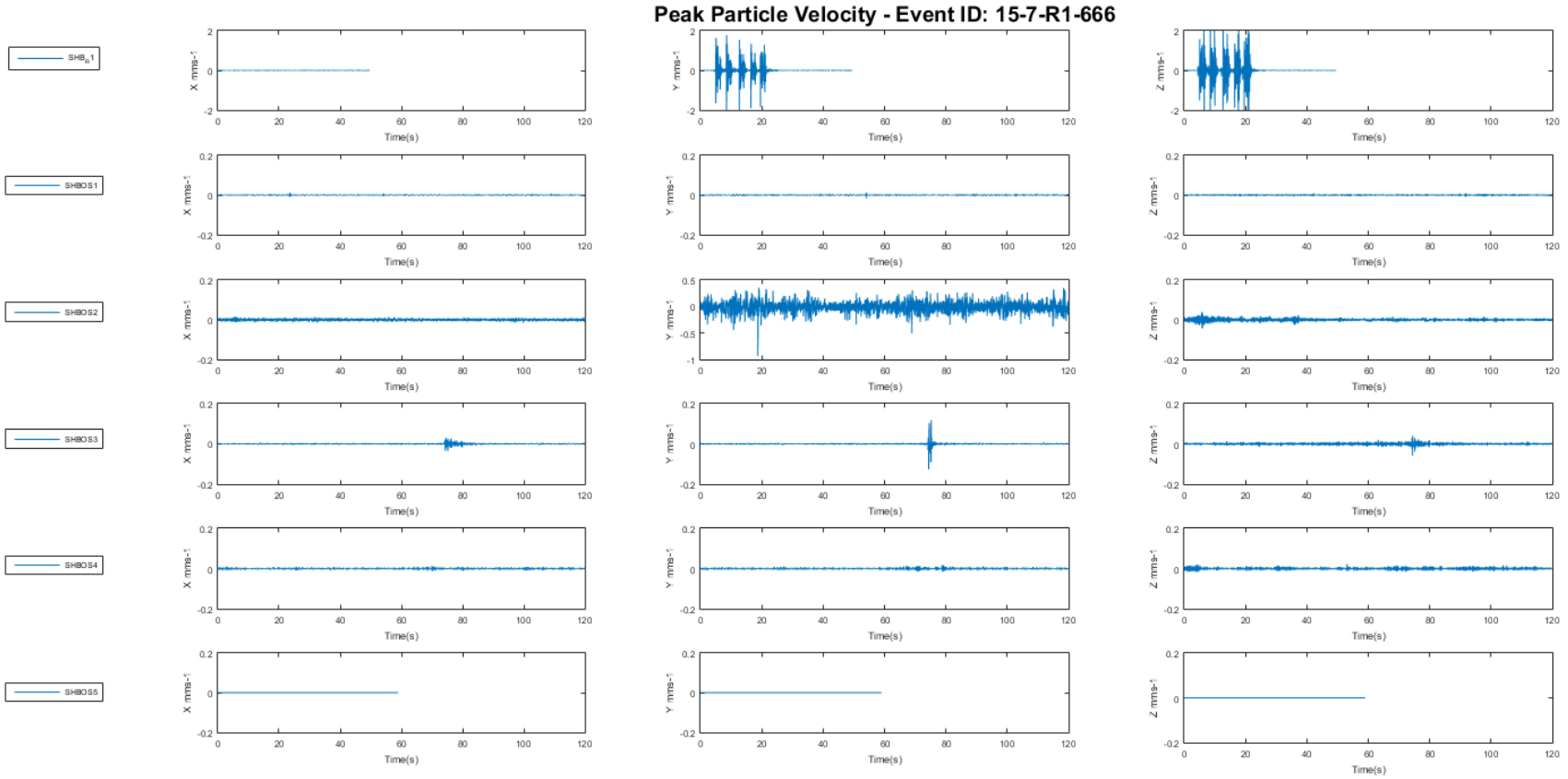


FIGURE 3.193: SHB_OS 1 - 5 15-7-R1-666

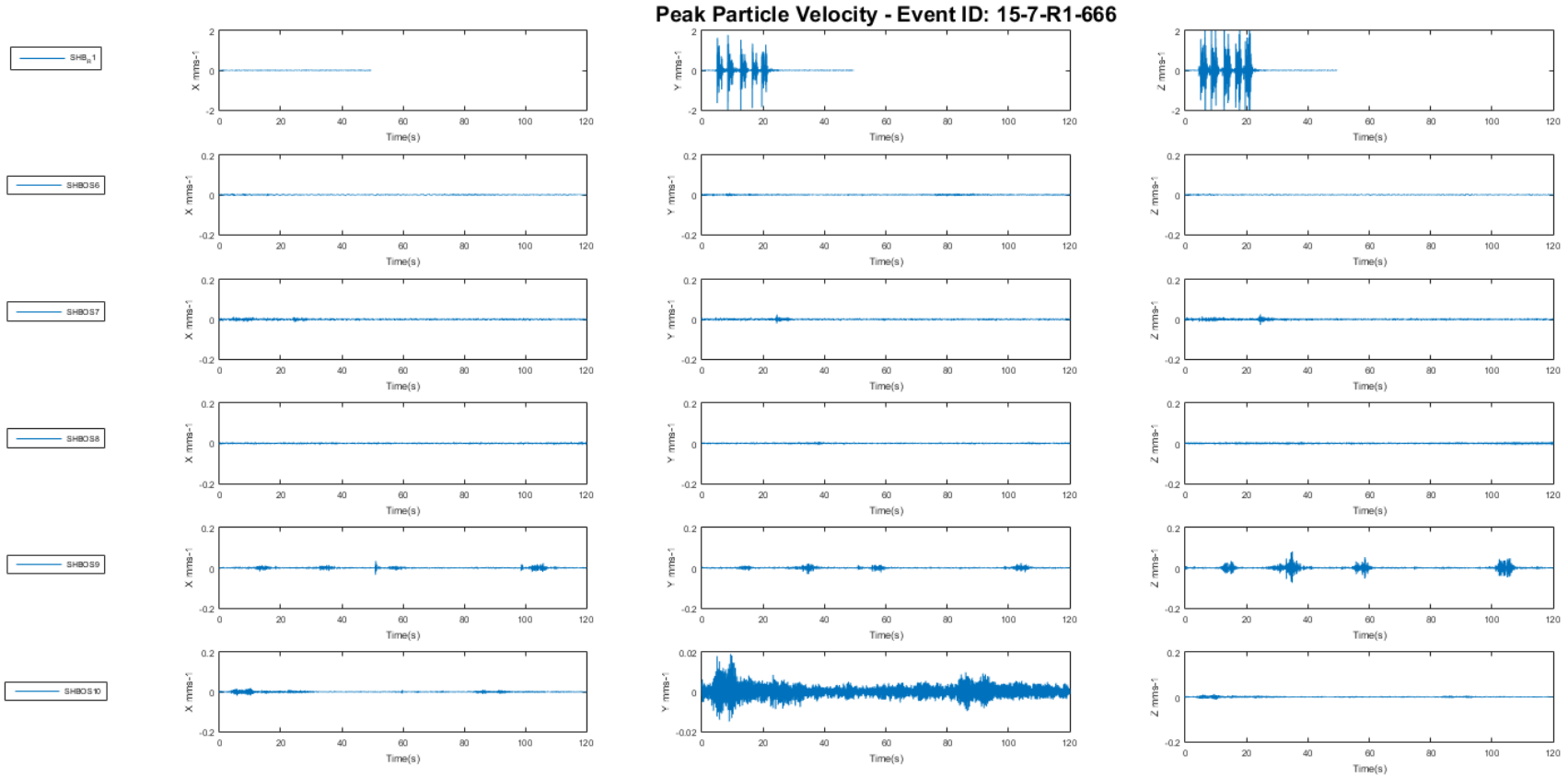


FIGURE 3.194: SHB_OS 6 - 10 15-7-R1-666

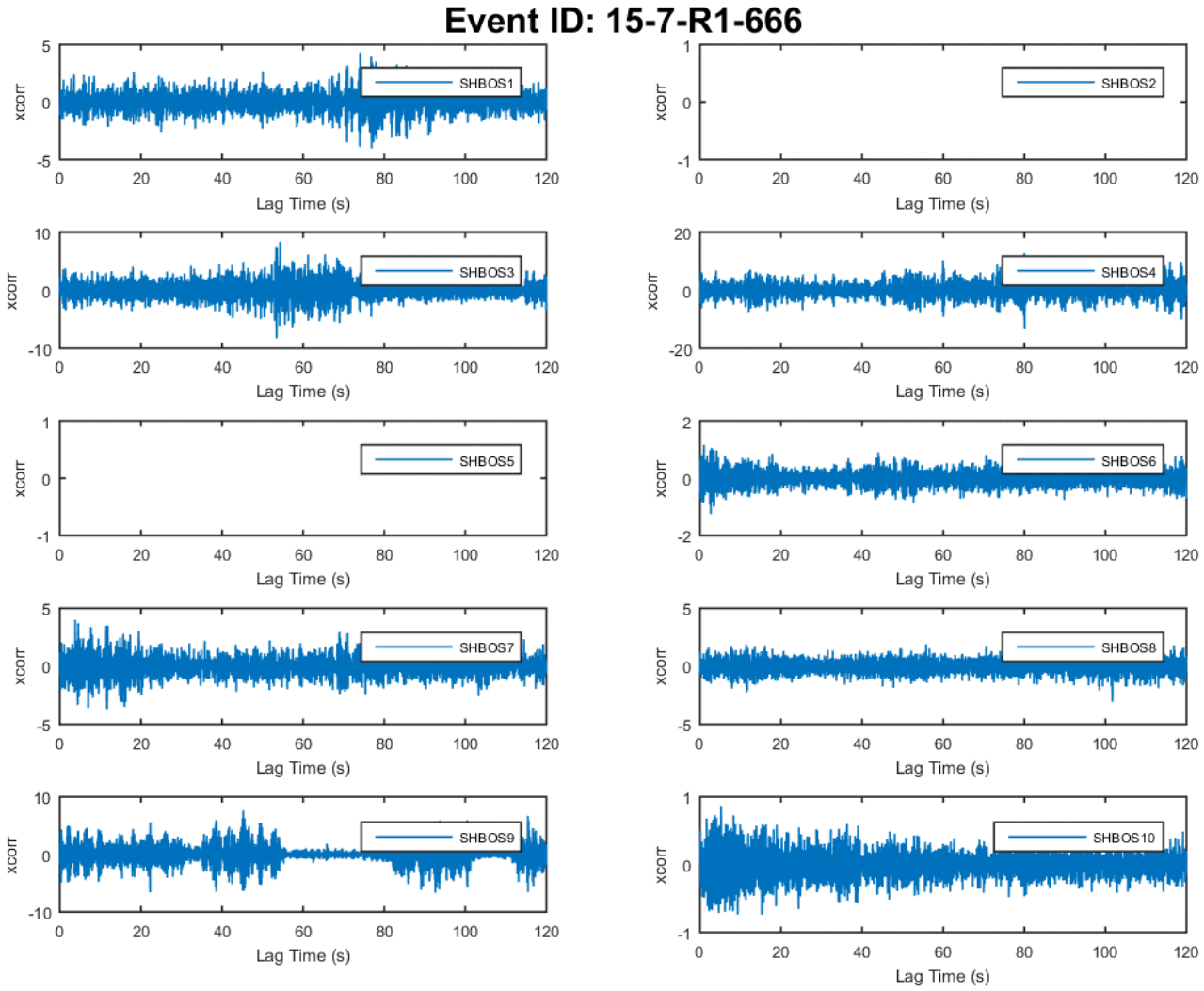


FIGURE 3.195: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-666

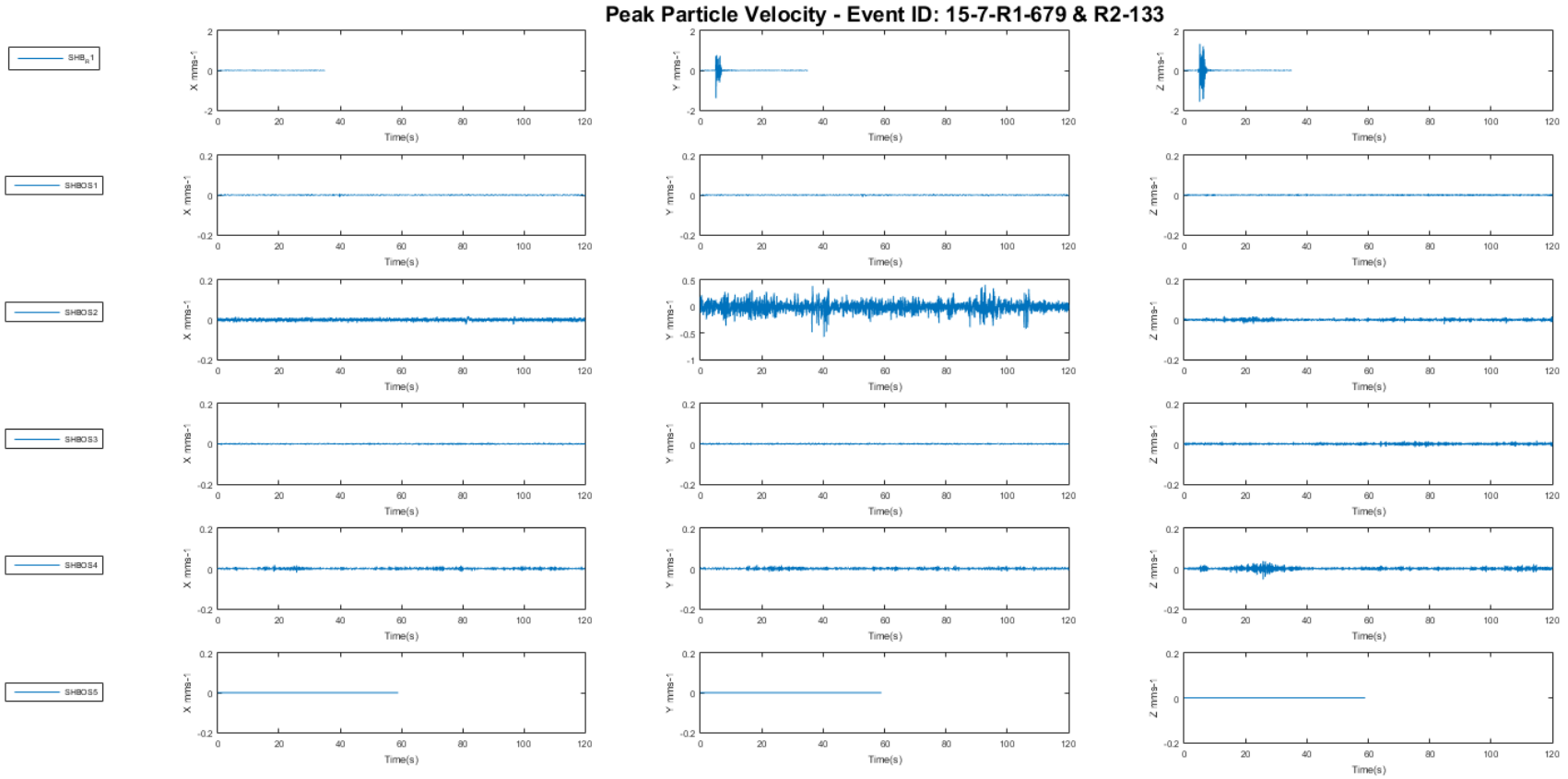


FIGURE 3.196: SHB_OS 1 - 5 15-7-R1-679 & R2-133

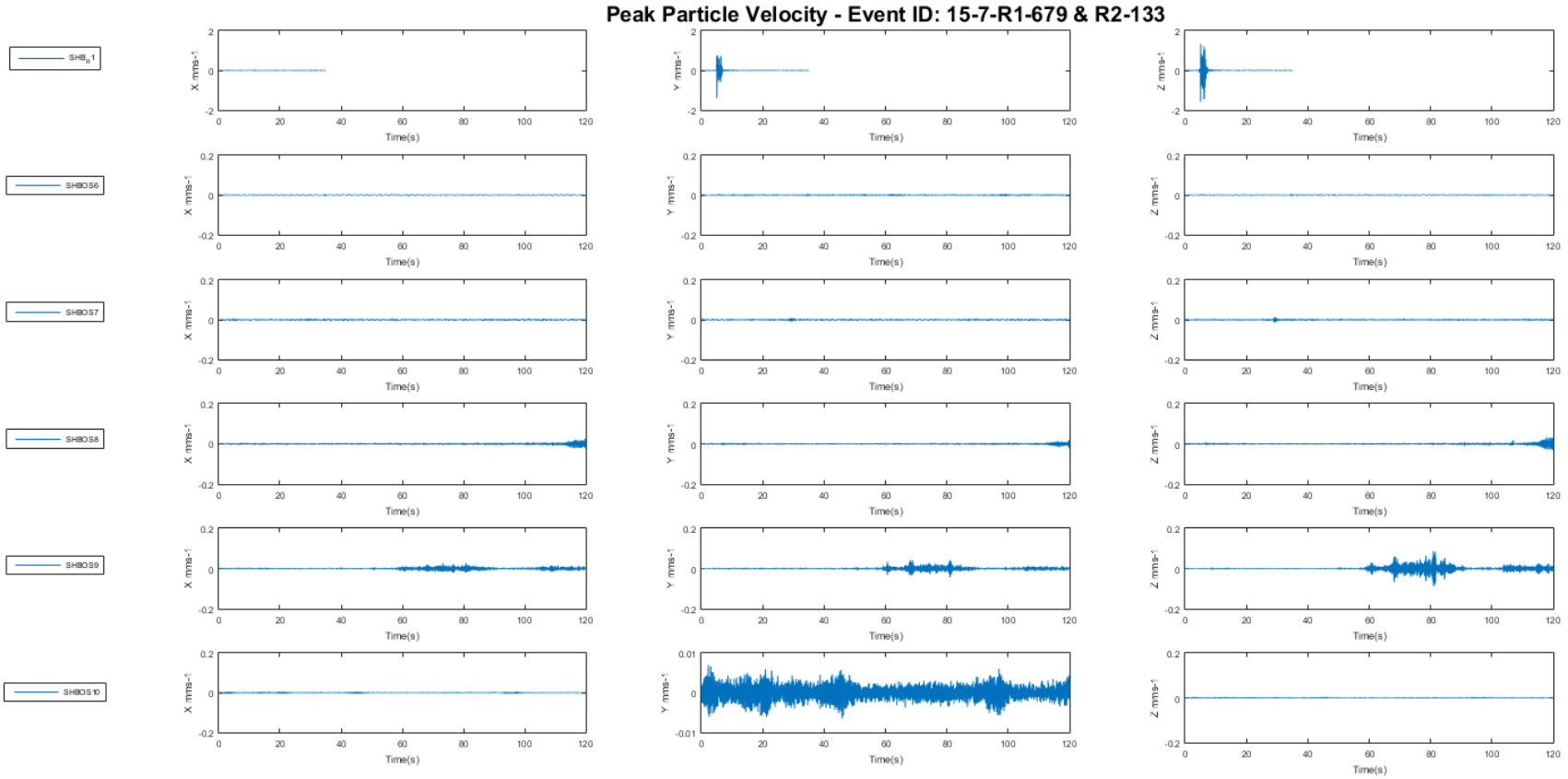


FIGURE 3.197: SHB_OS 6 - 10 15-7-R1-679 & R2-133

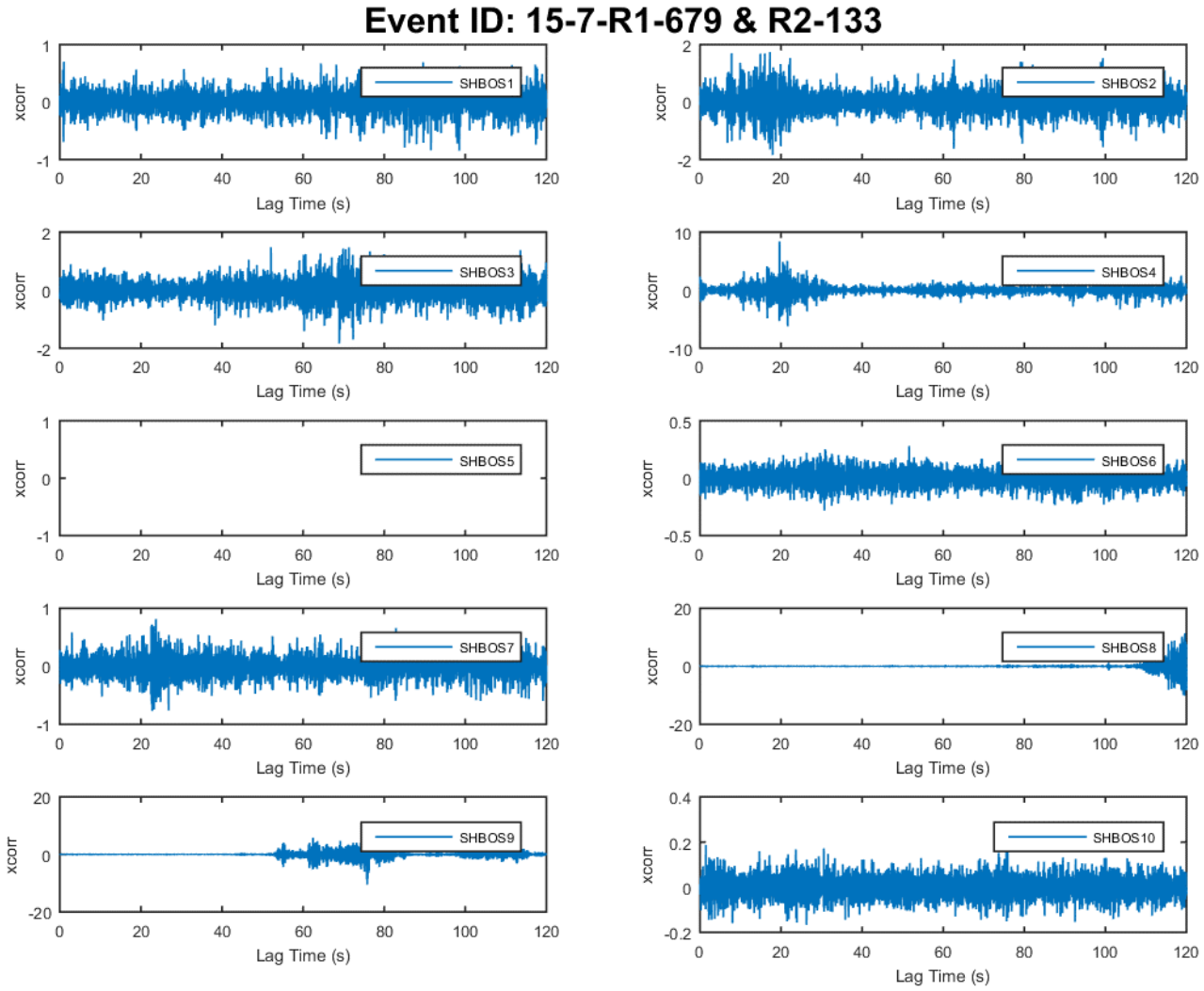


FIGURE 3.198: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-679 & R2-133

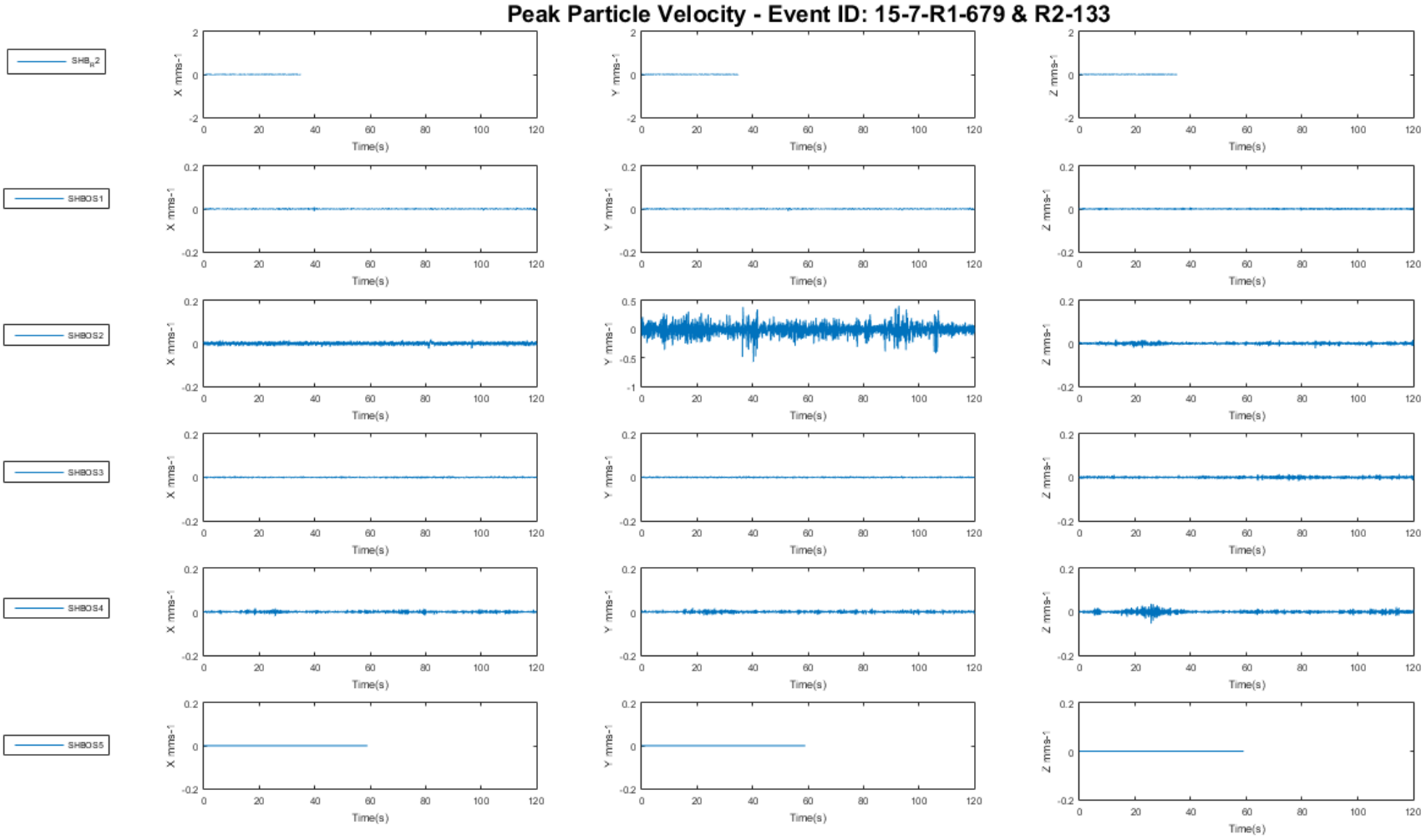


FIGURE 3.199: SHB_OS 1 - 5 15-7-R1-679 & R2-133

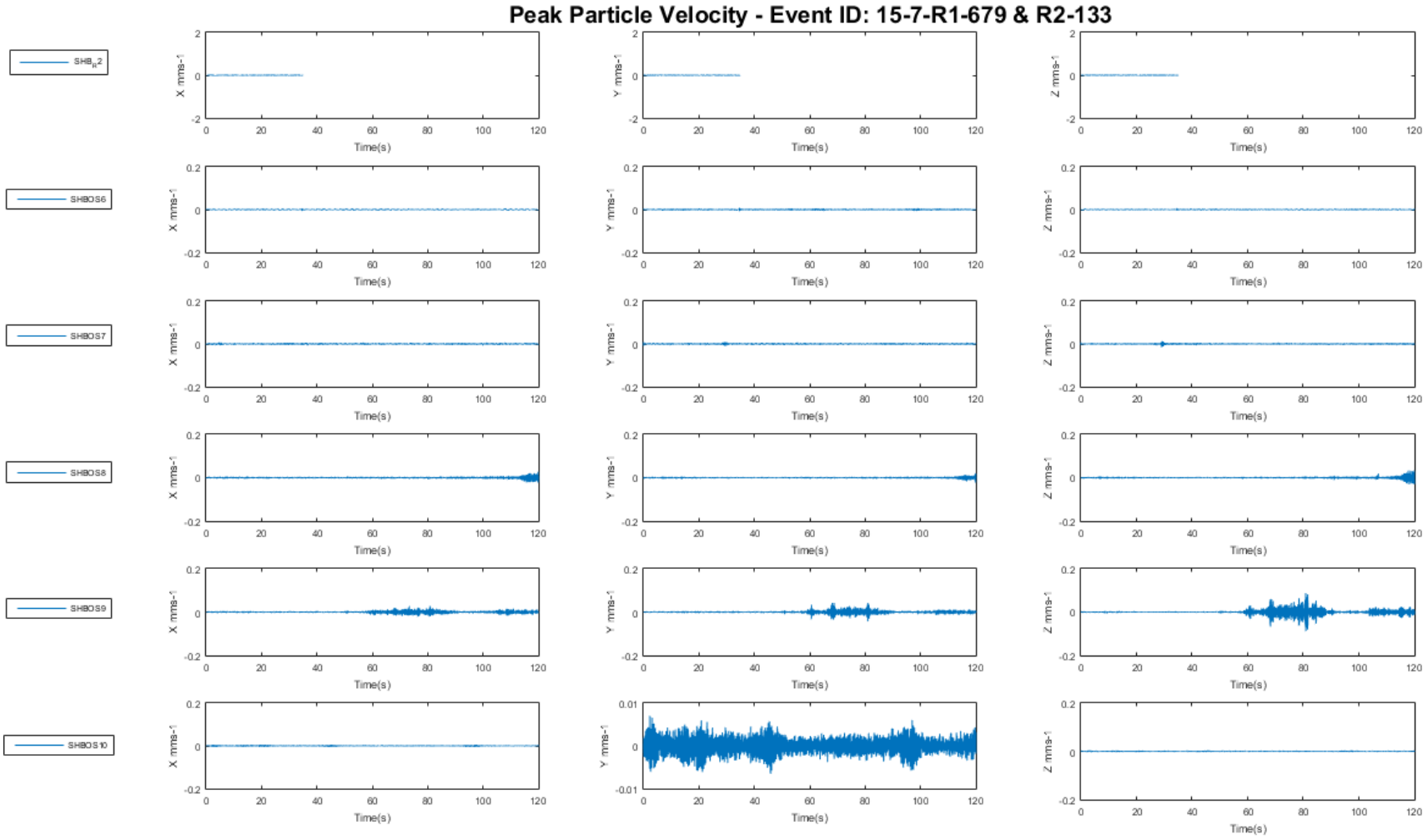


FIGURE 3.200: SHB_OS 6 - 10 15-7-R1-679 & R2-133

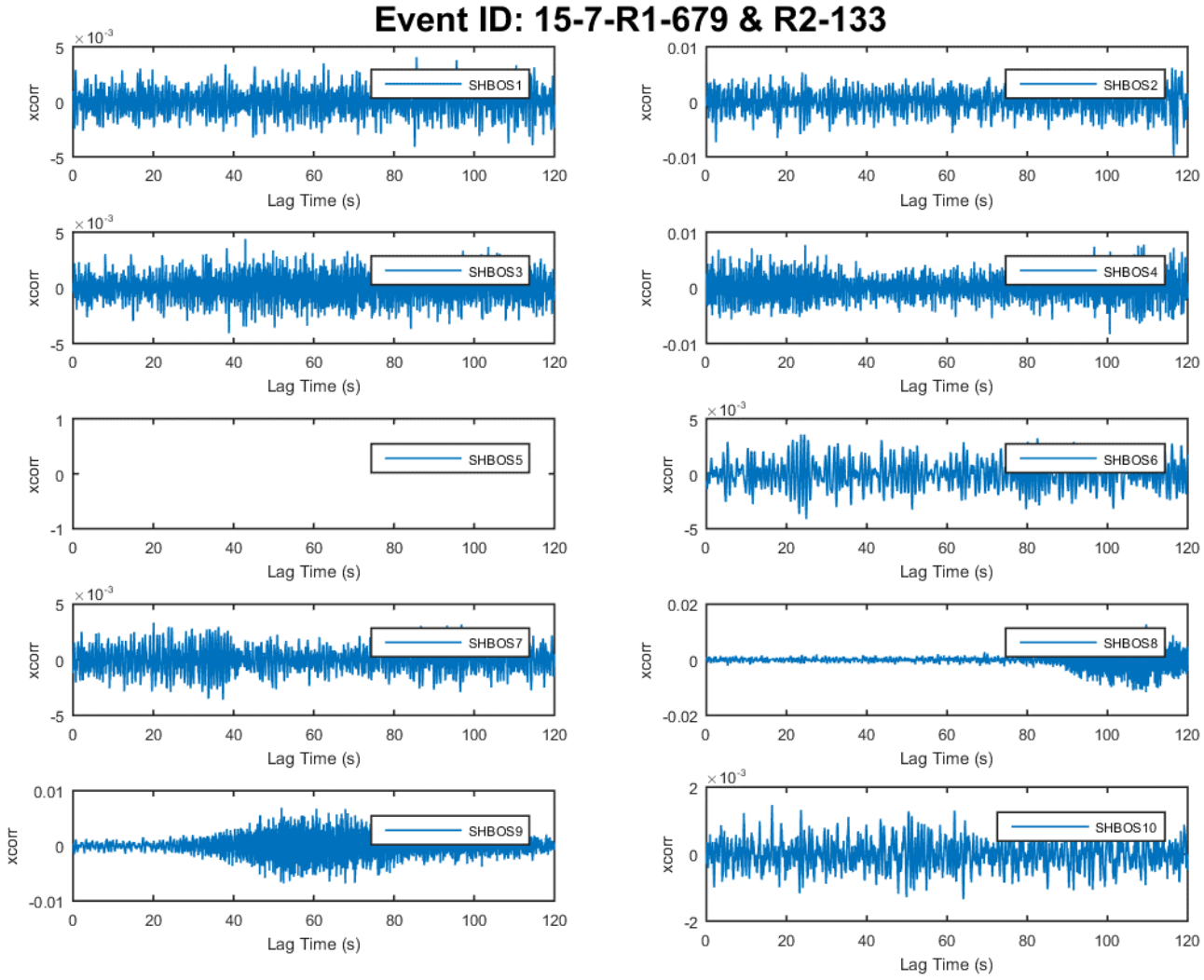


FIGURE 3.201: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-679 & R2-133

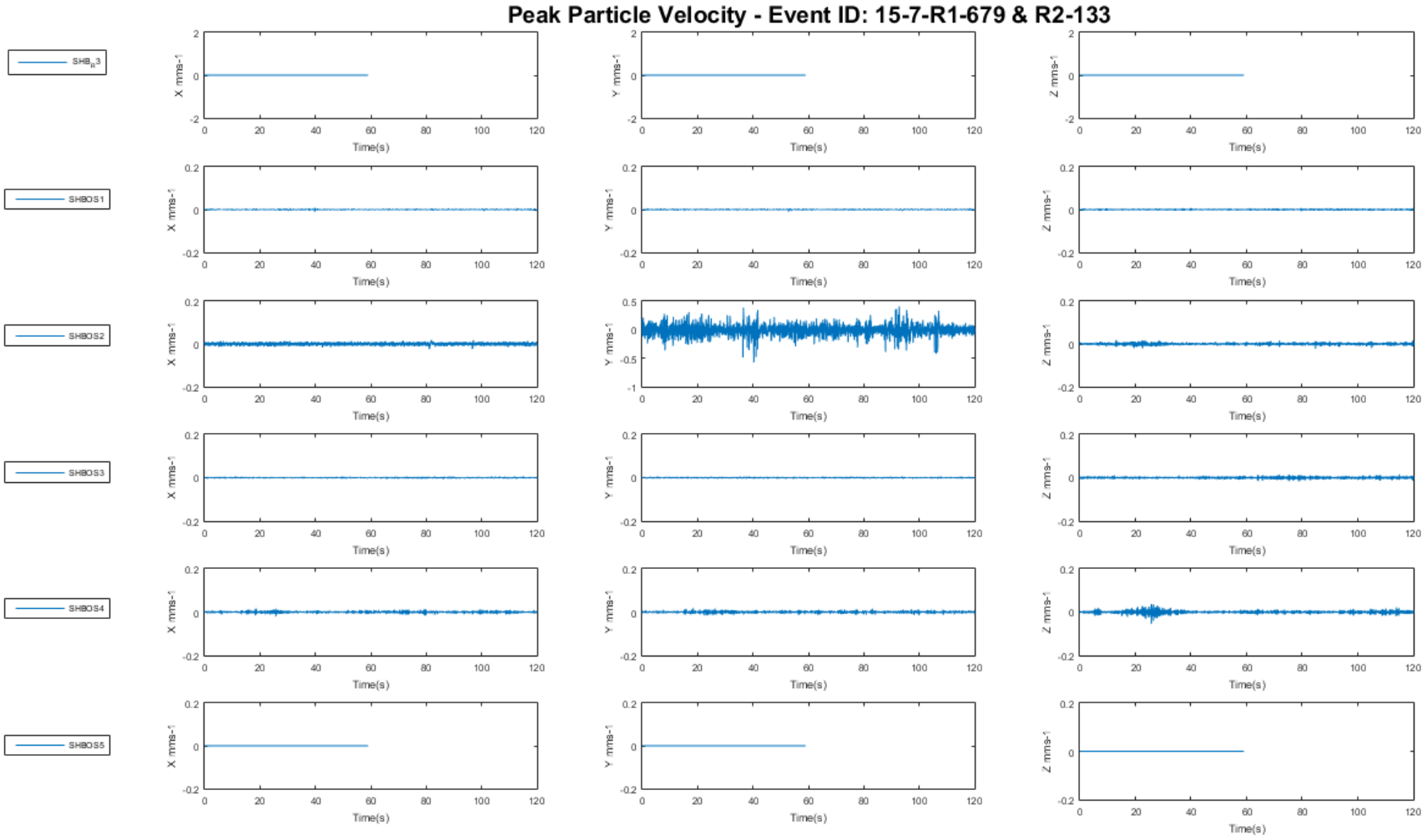


FIGURE 3.202: SHB_OS 1 - 5 15-7-R1-679 & R2-133

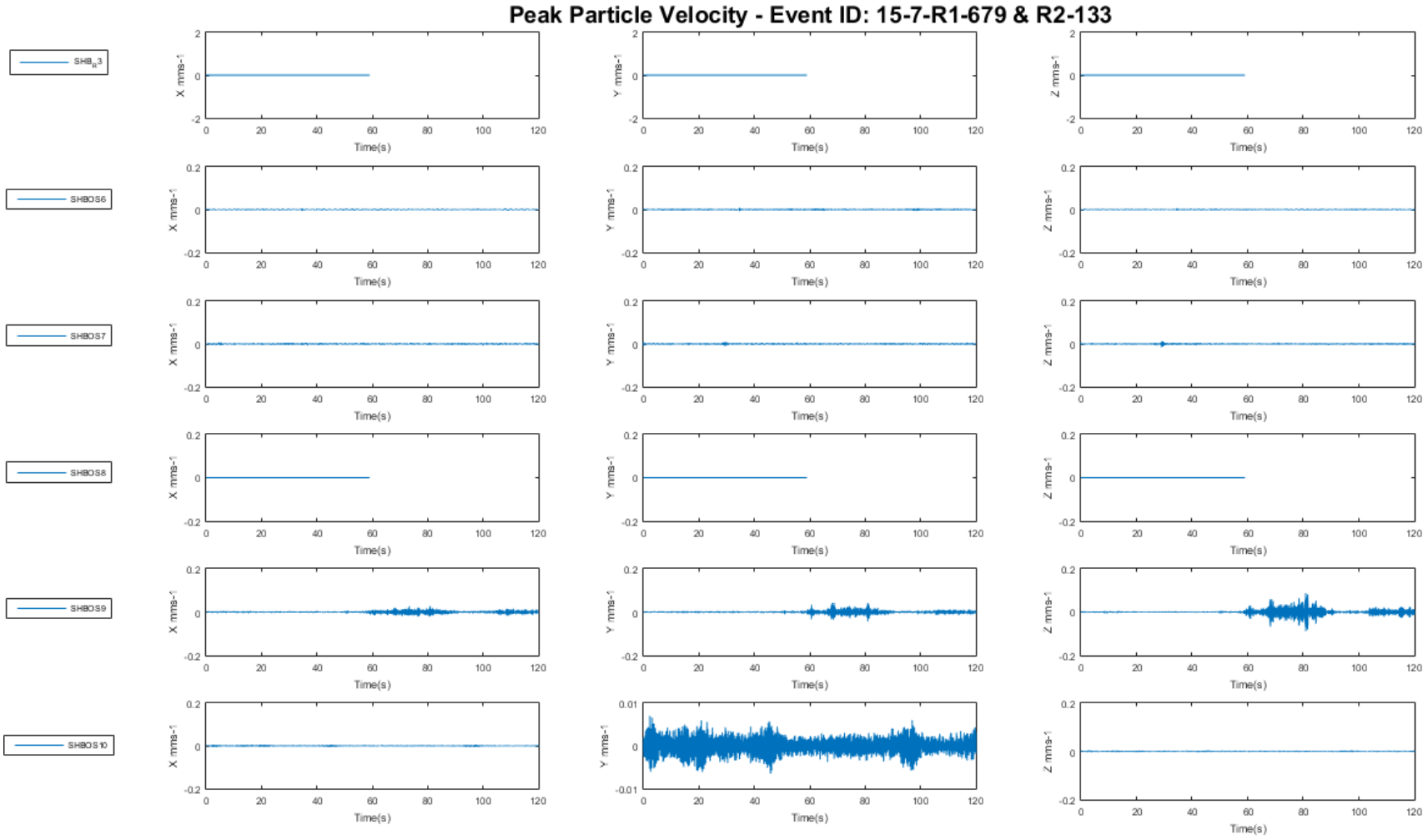


FIGURE 3.203: SHB_OS 6 - 10 15-7-R1-679 & R2-133

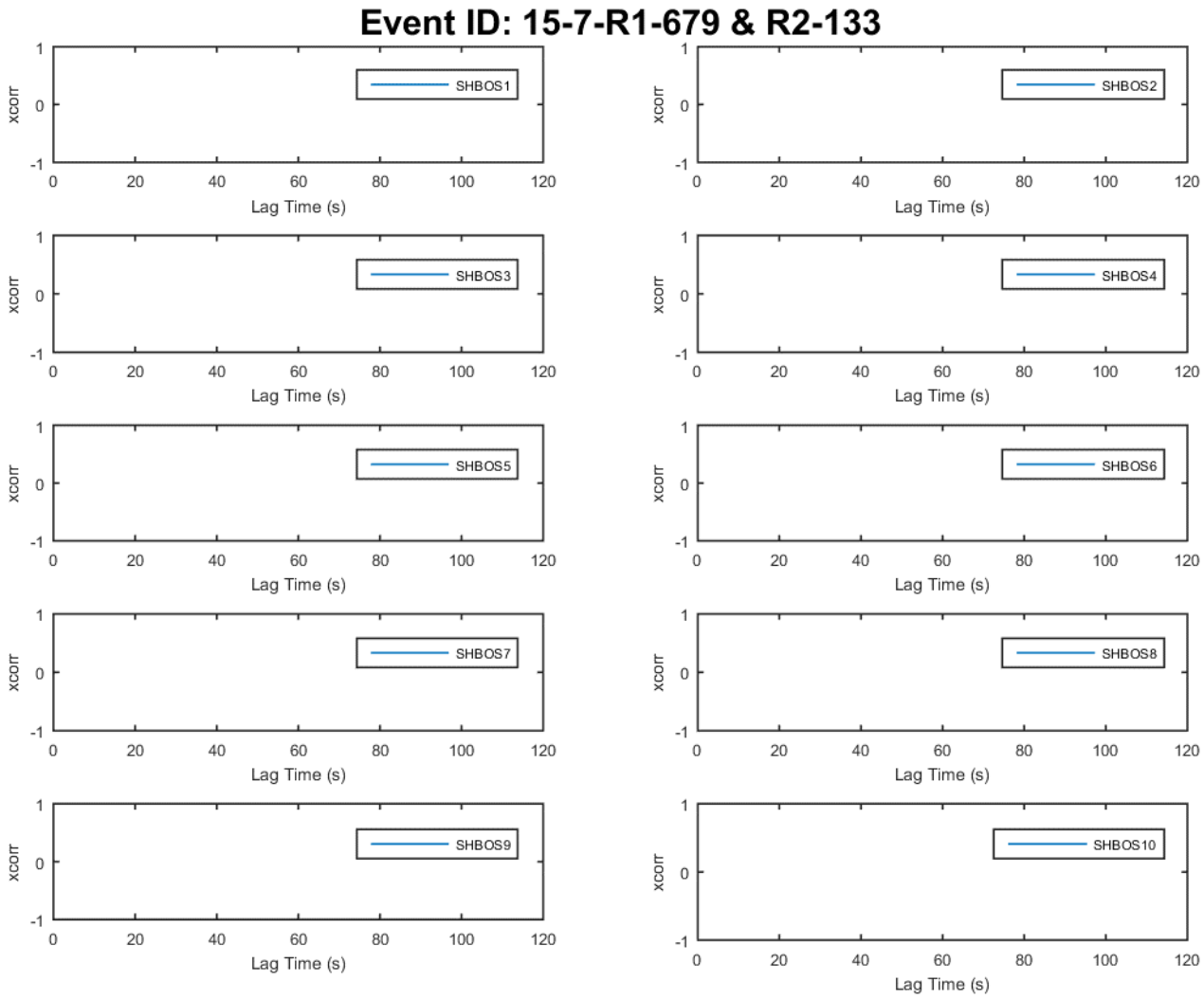


FIGURE 3.204: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-679 & R2-133

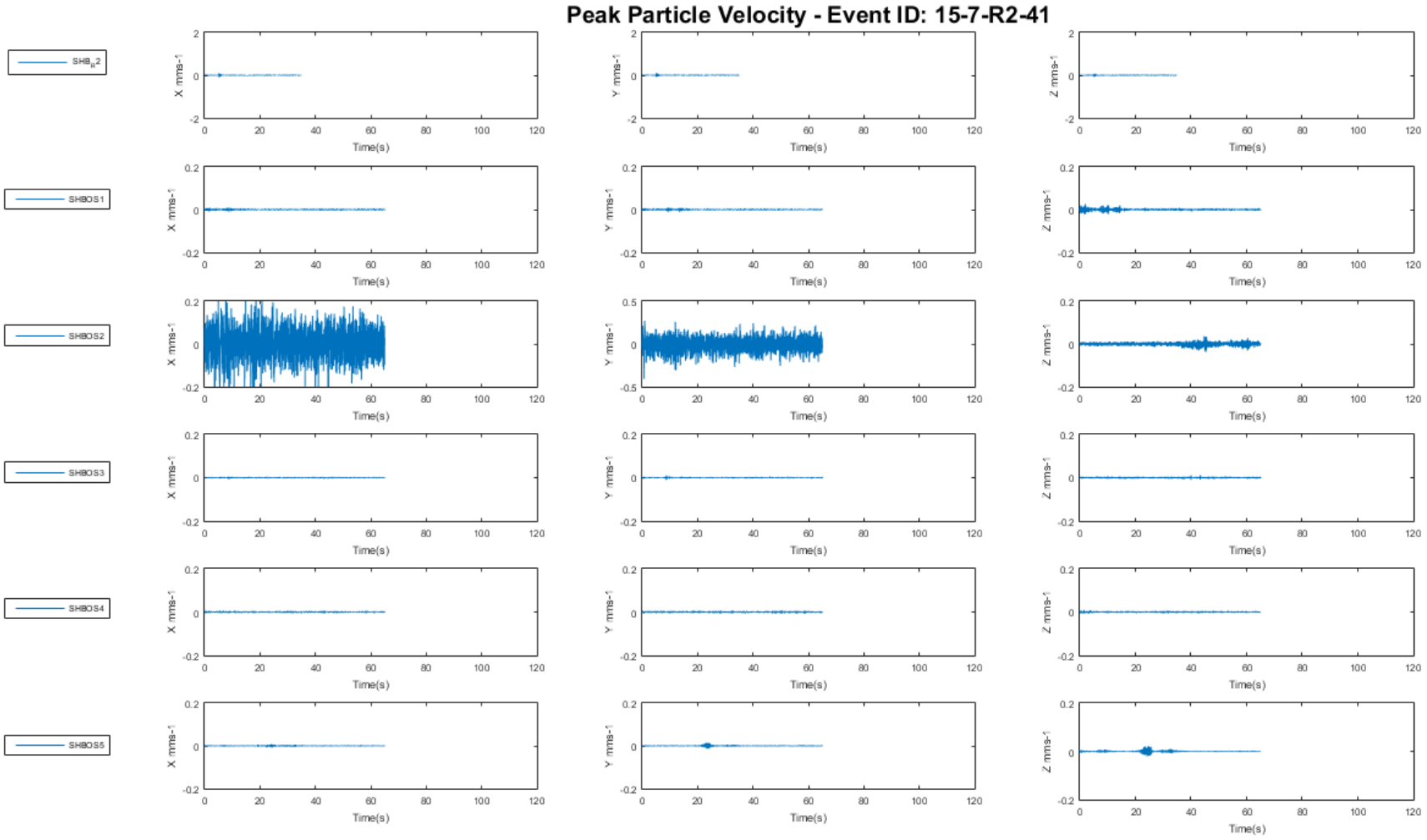


FIGURE 3.205: SHB_OS 1 - 5 15-7-R2-41

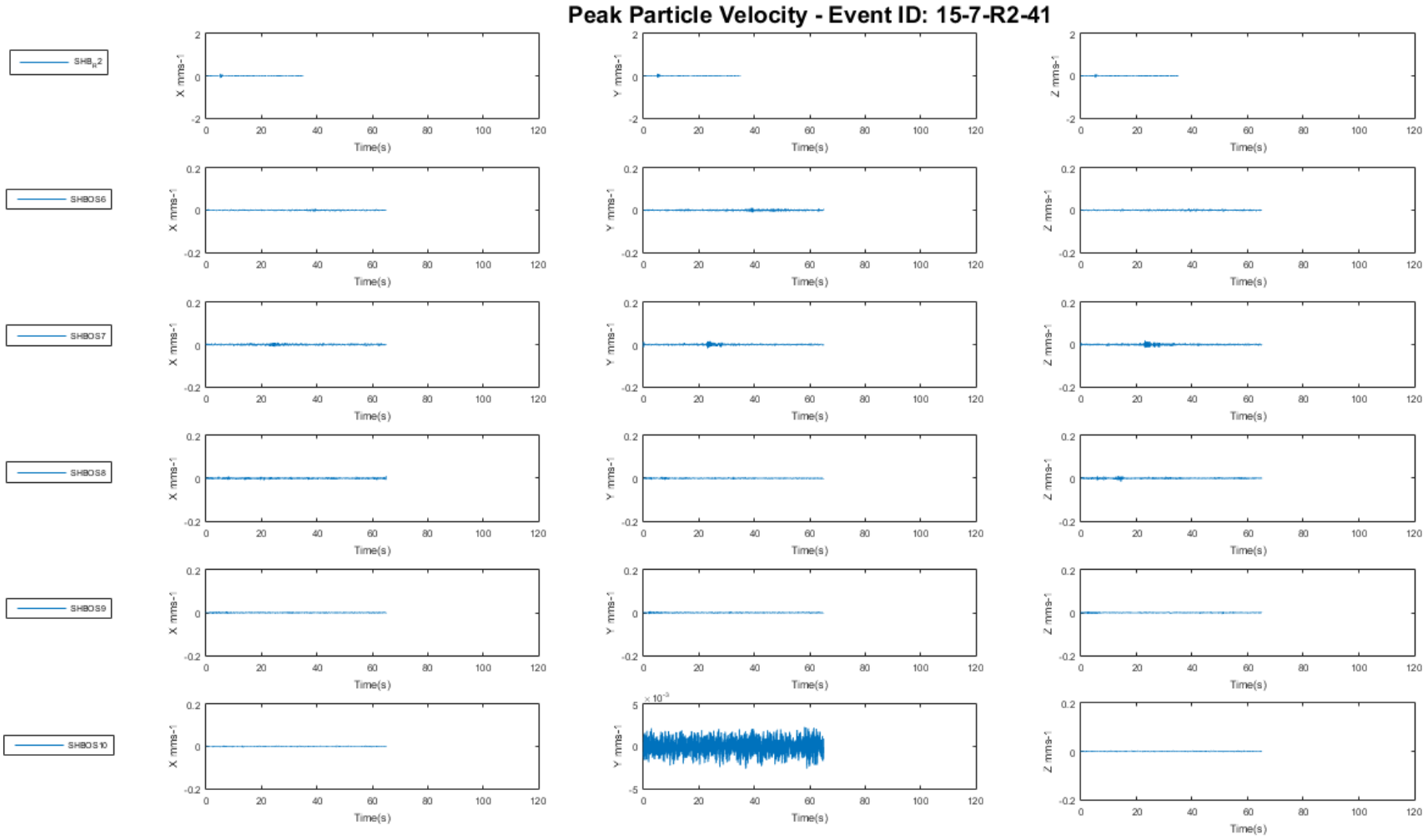


FIGURE 3.206: SHB_OS 6 - 10 15-7-R2-41

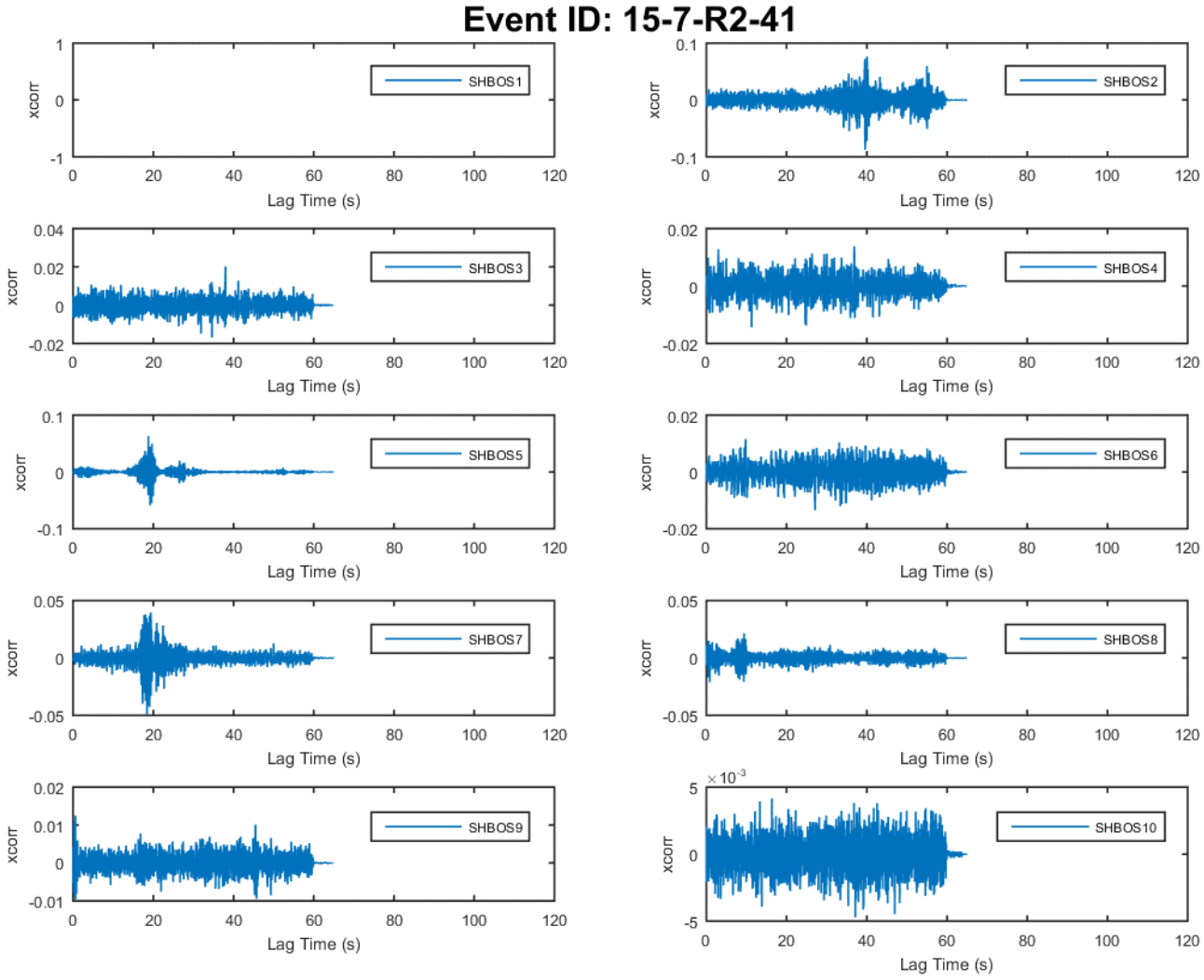


FIGURE 3.207: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-41

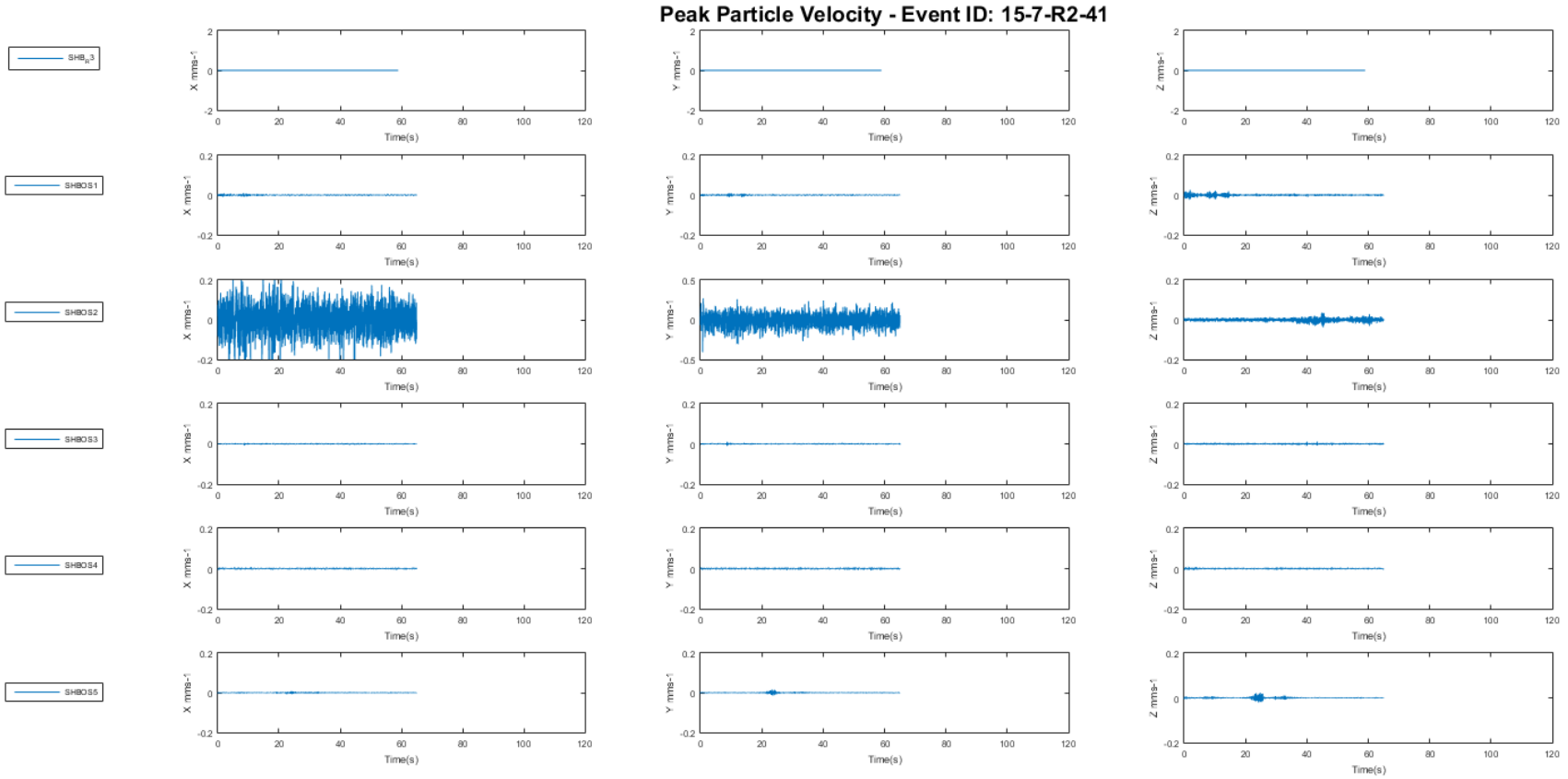


FIGURE 3.208: SHB_OS 1 - 5 15-7-R2-41

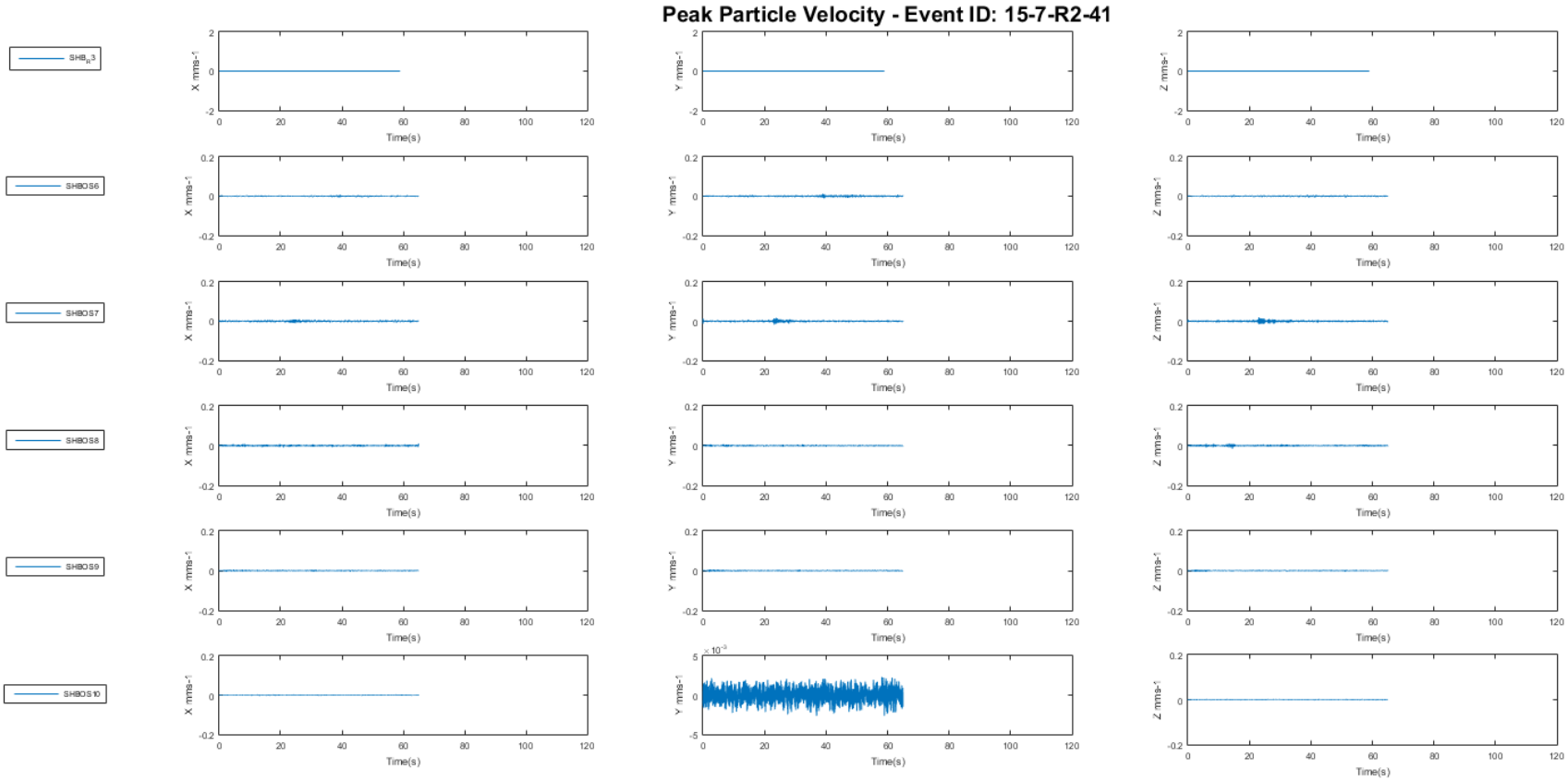


FIGURE 3.209: SHB_OS 6 - 10 15-7-R2-41

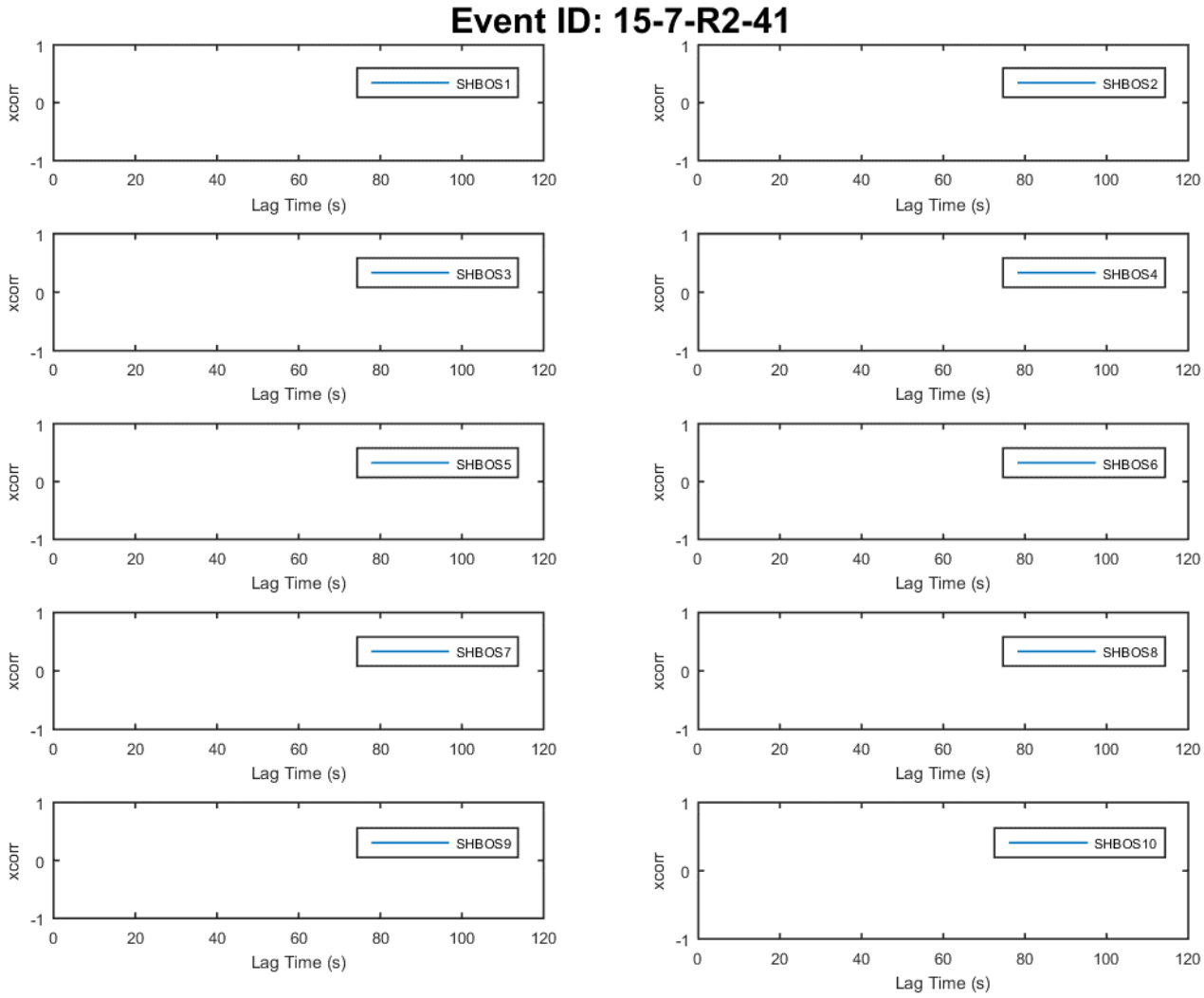


FIGURE 3.210: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-41

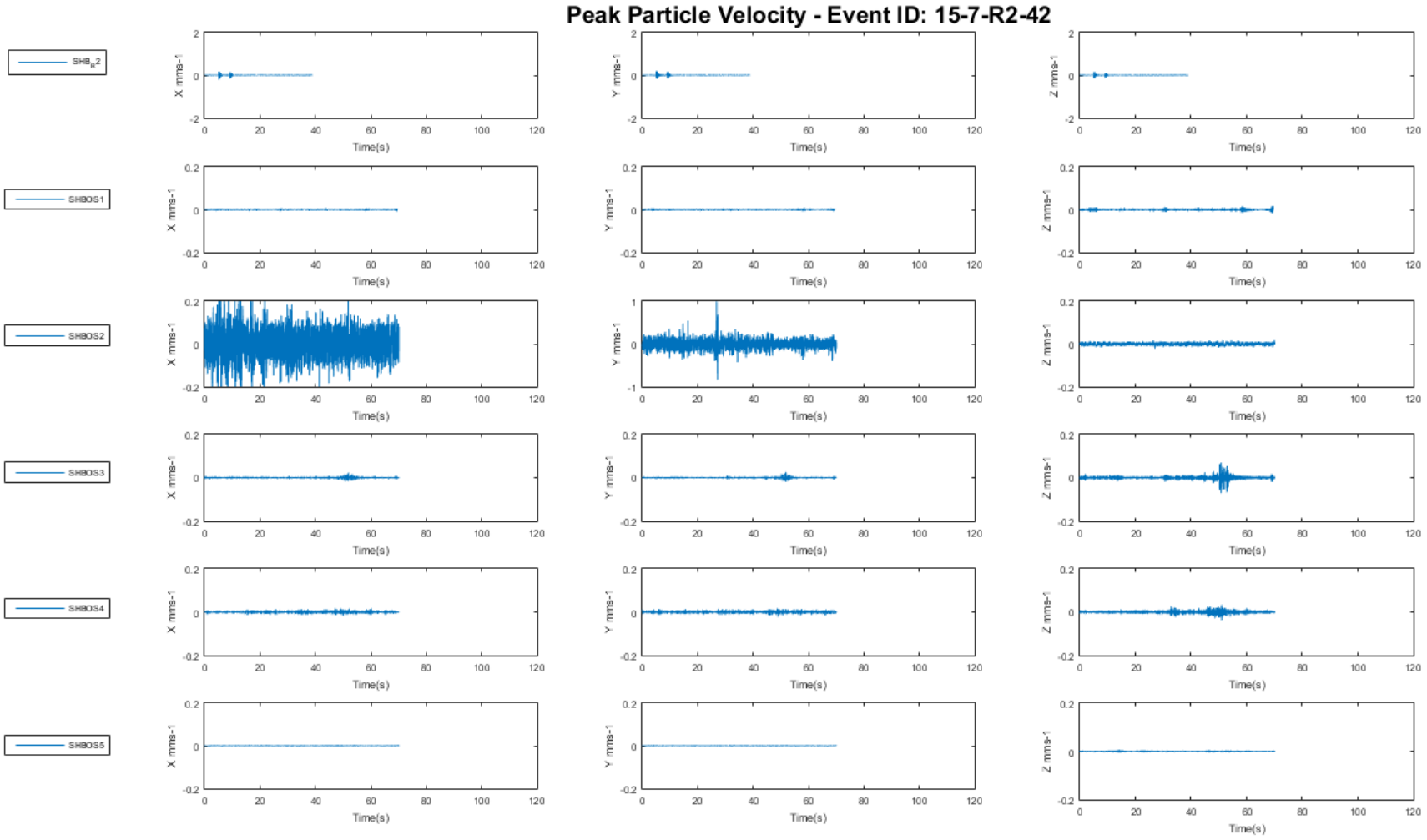


FIGURE 3.211: SHB_OS 1 - 5 15-7-R2-42

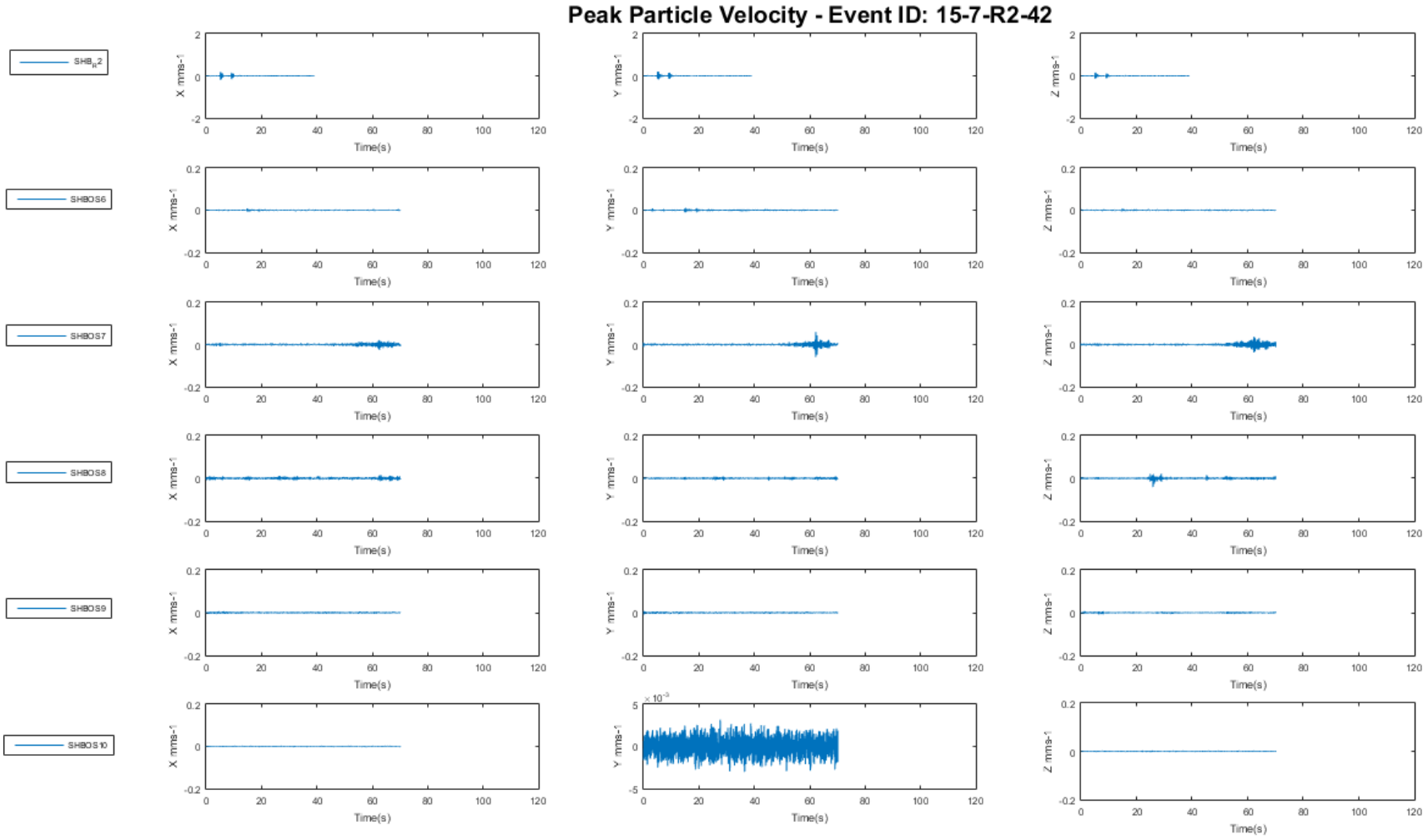


FIGURE 3.212: SHB_OS 6 - 10 15-7-R2-42

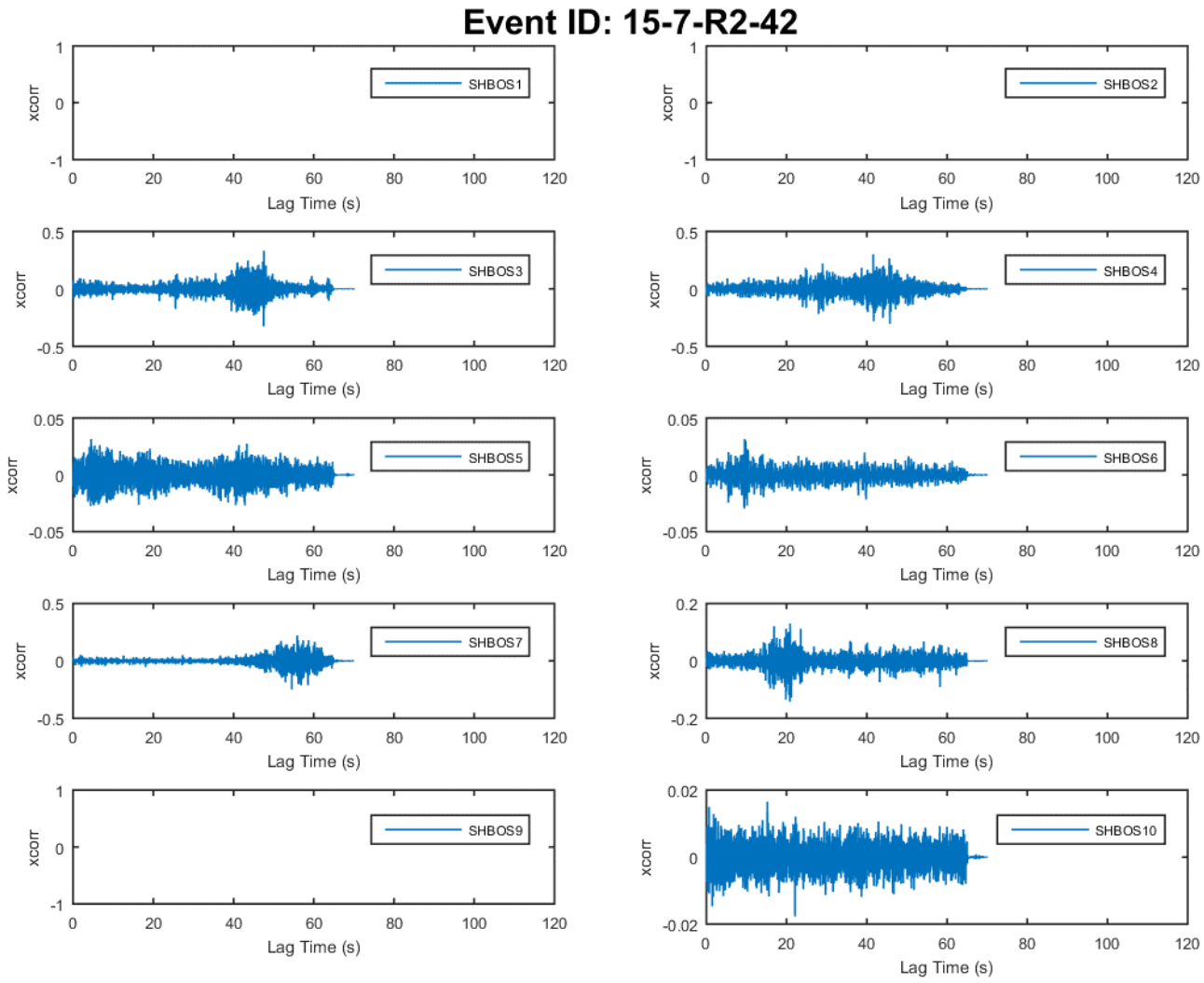


FIGURE 3.213: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-42

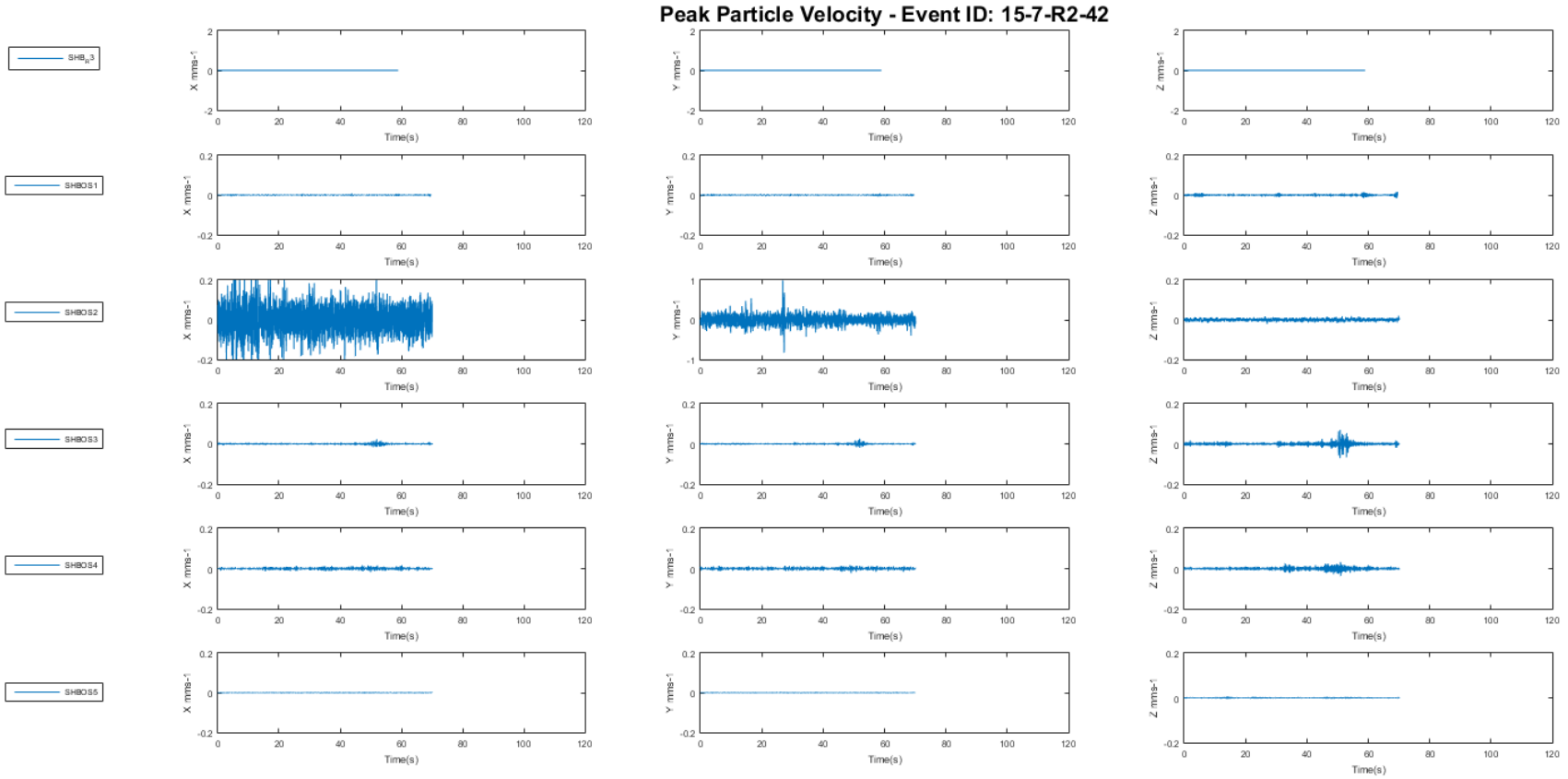


FIGURE 3.214: SHB_OS 1 - 5 15-7-R2-42

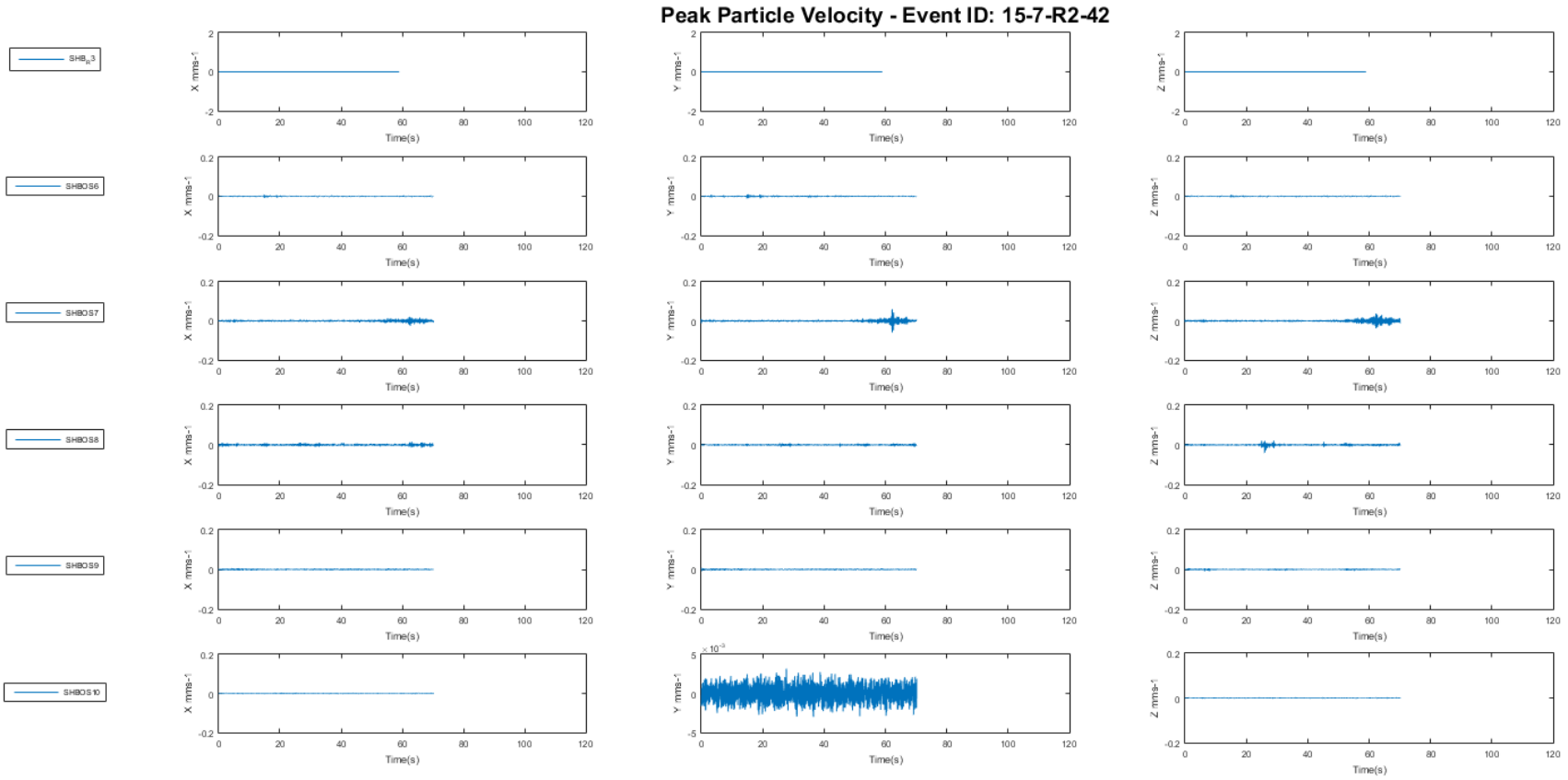


FIGURE 3.215: SHB_OS 6 - 10 15-7-R2-42

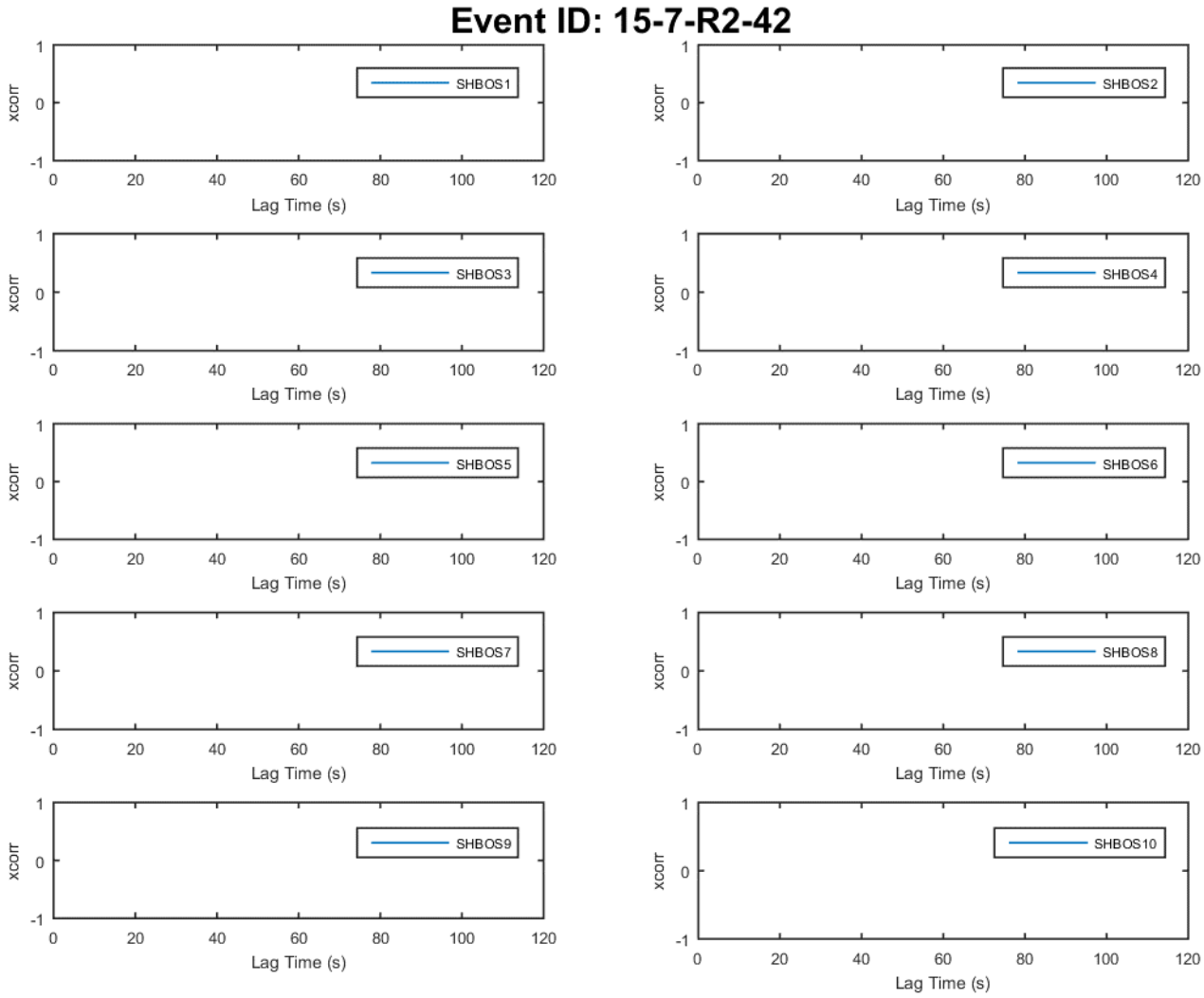


FIGURE 3.216: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-42

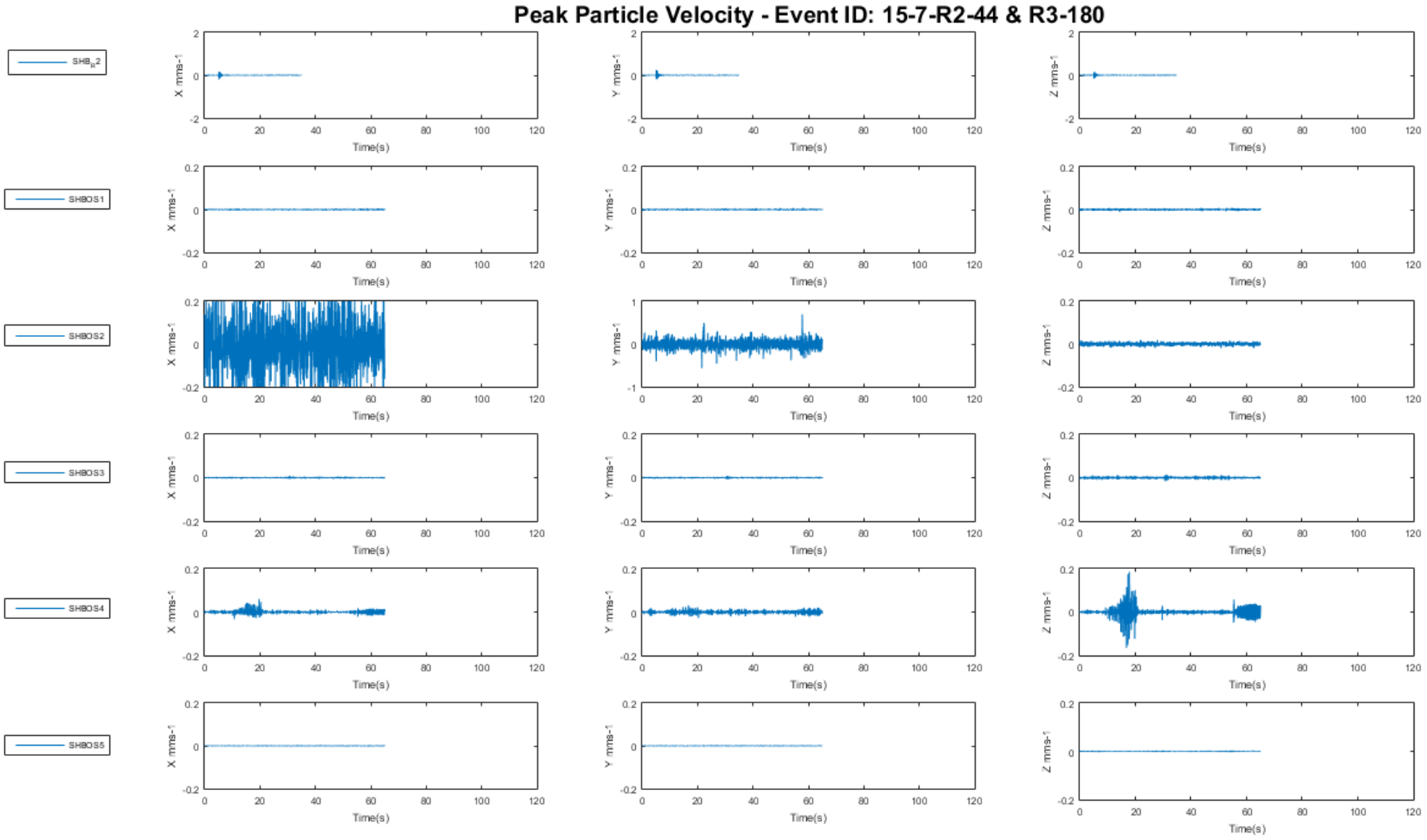


FIGURE 3.217: SHB_OS 1 - 5 15-7-R2-44 & R3-180

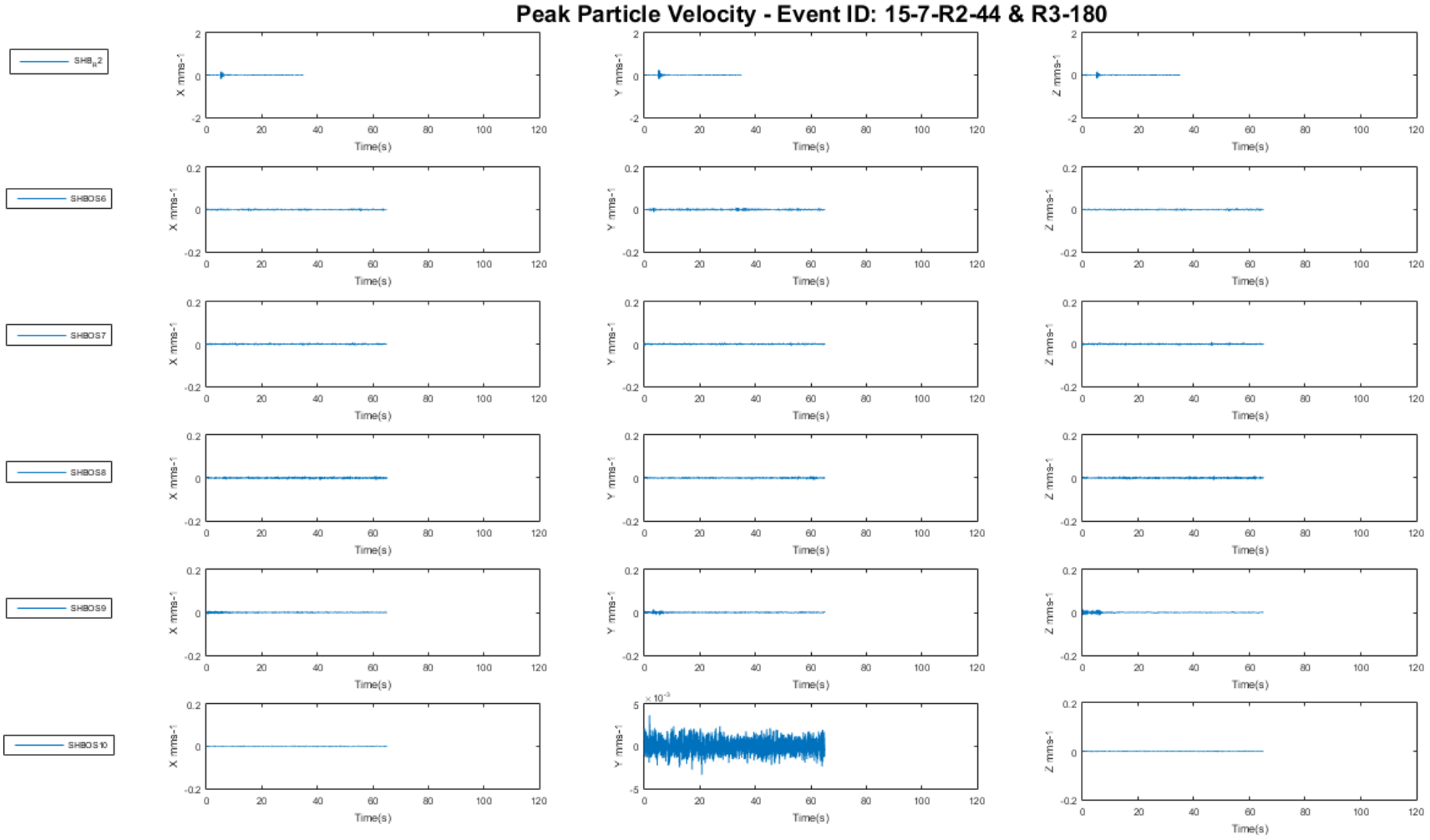


FIGURE 3.218: SHB_OS 6 - 10 15-7-R2-44 & R3-180

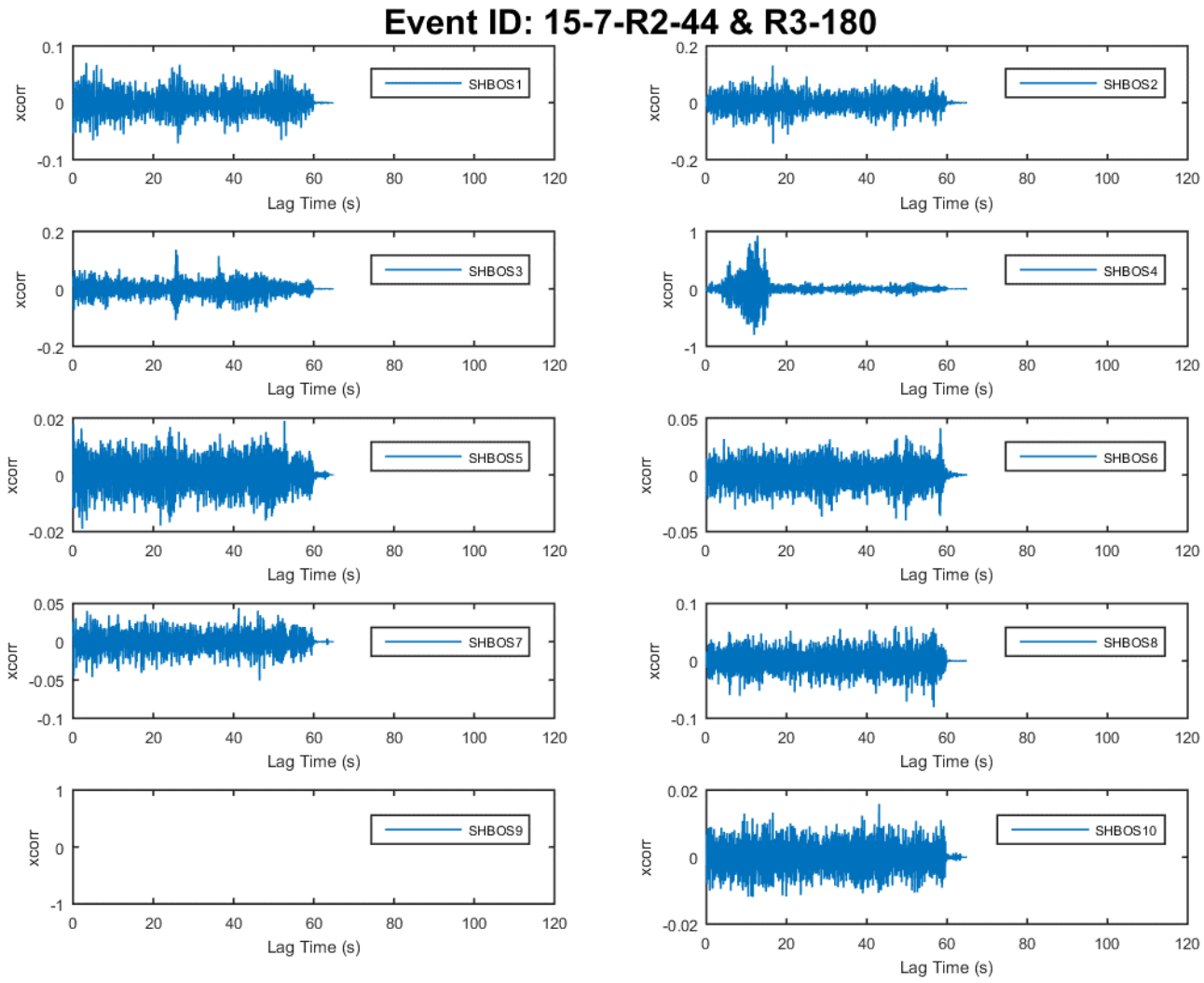


FIGURE 3.219: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-44 & R3-180

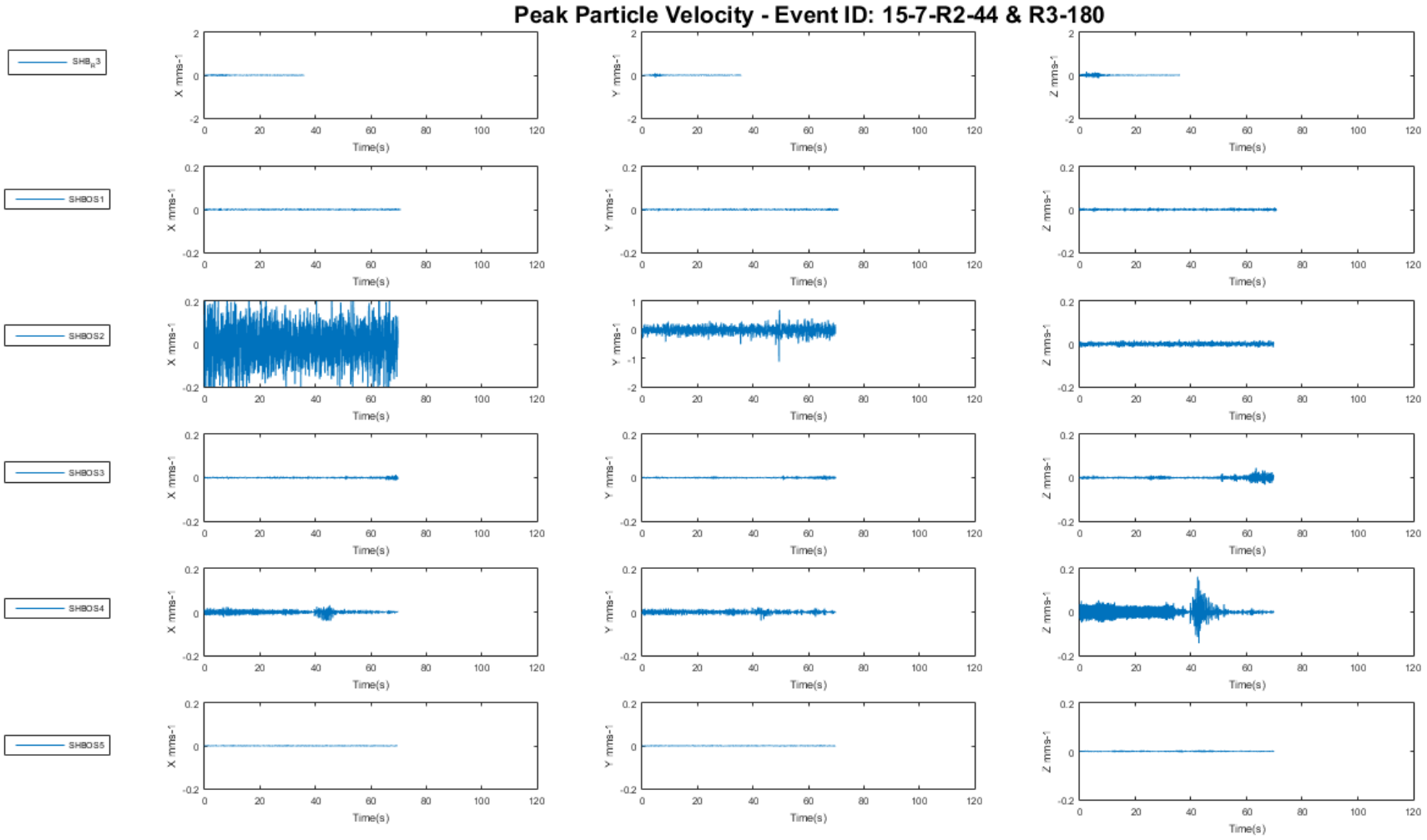


FIGURE 3.220: SHB_OS 1 - 5 15-7-R2-44 & R3-180

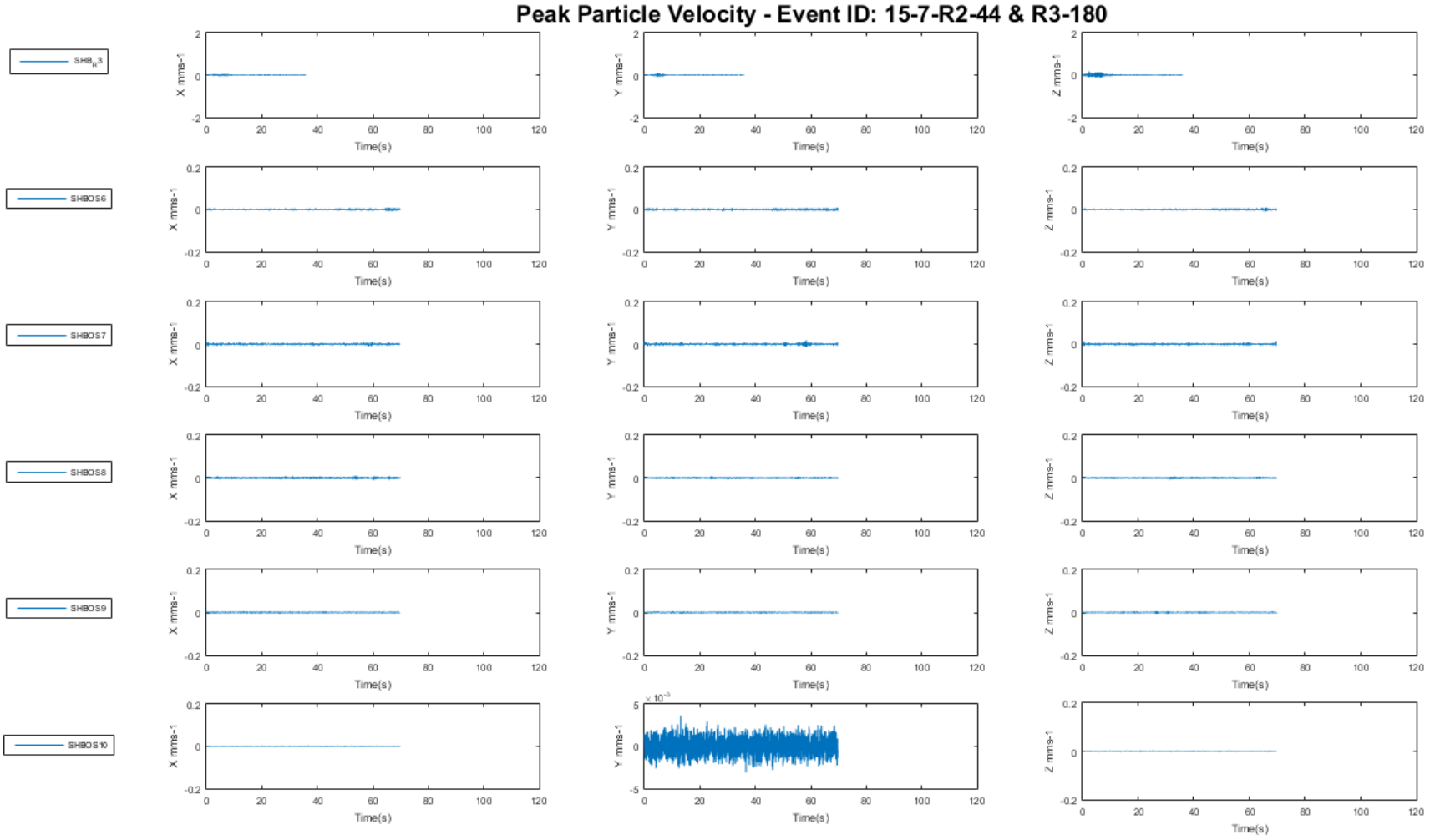


FIGURE 3.221: SHB_OS 6 - 10 15-7-R2-44 & R3-180

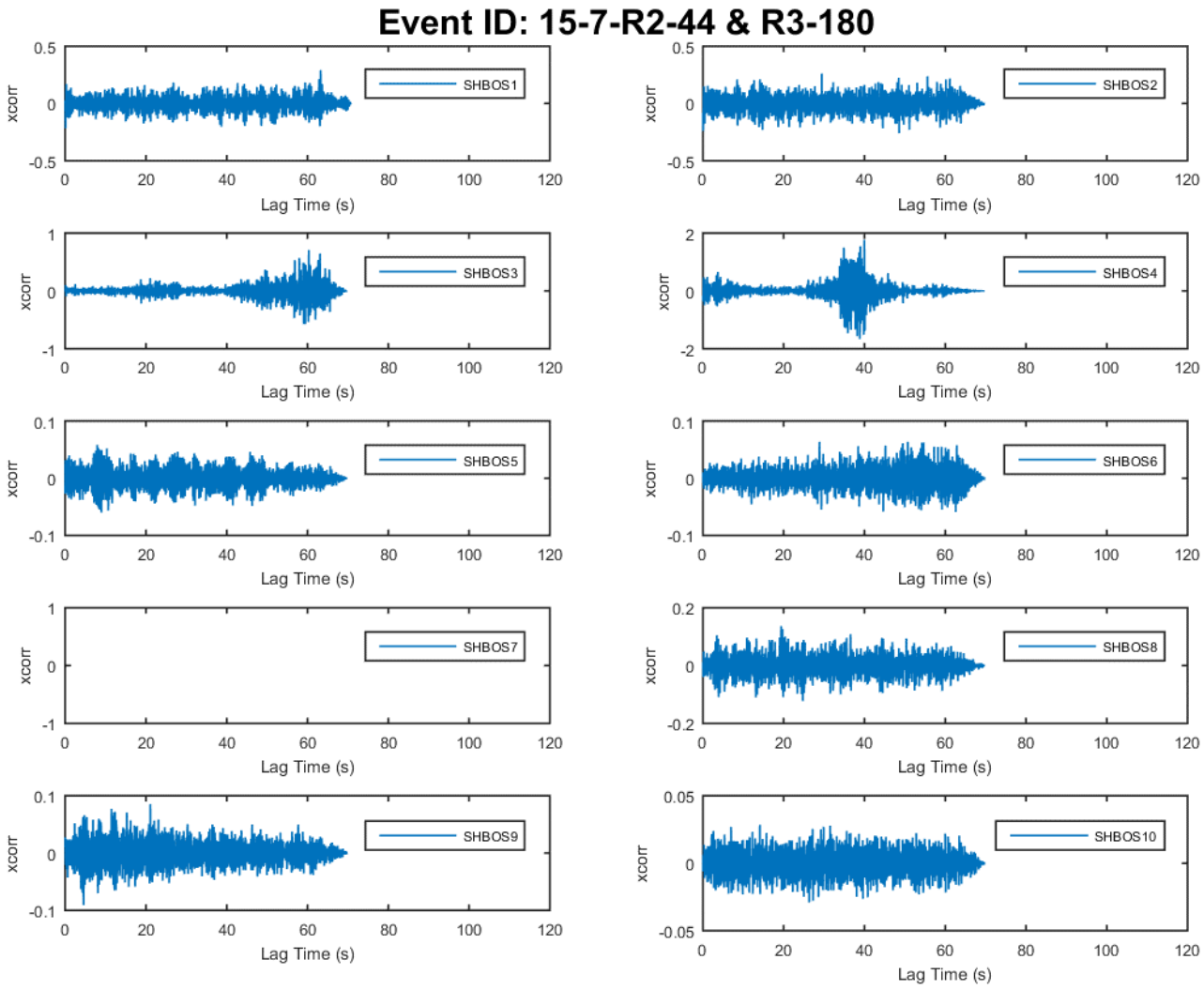


FIGURE 3.222: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-44 & R3-180

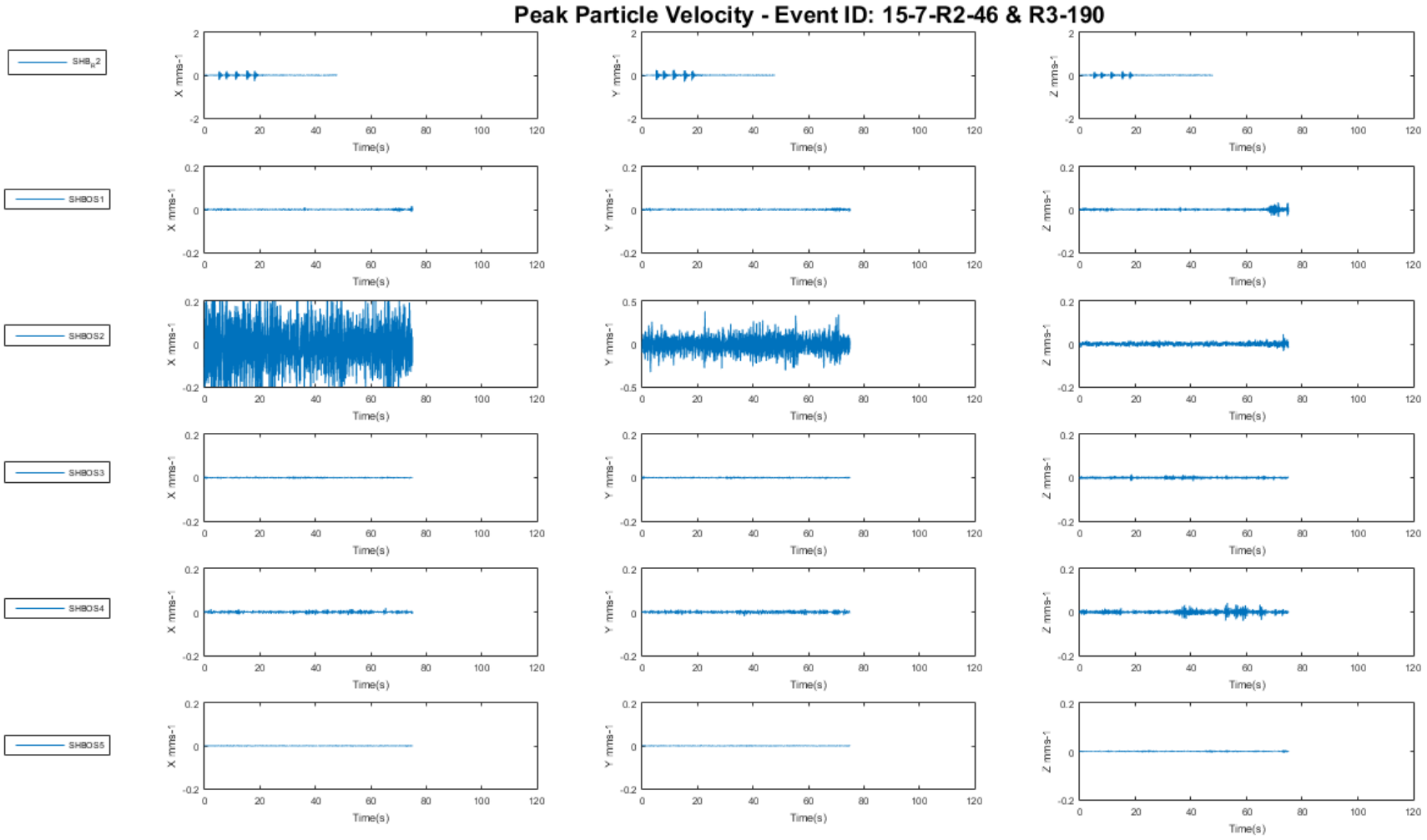


FIGURE 3.223: SHB_OS 1 - 5 15-7-R2-46 & R3-190

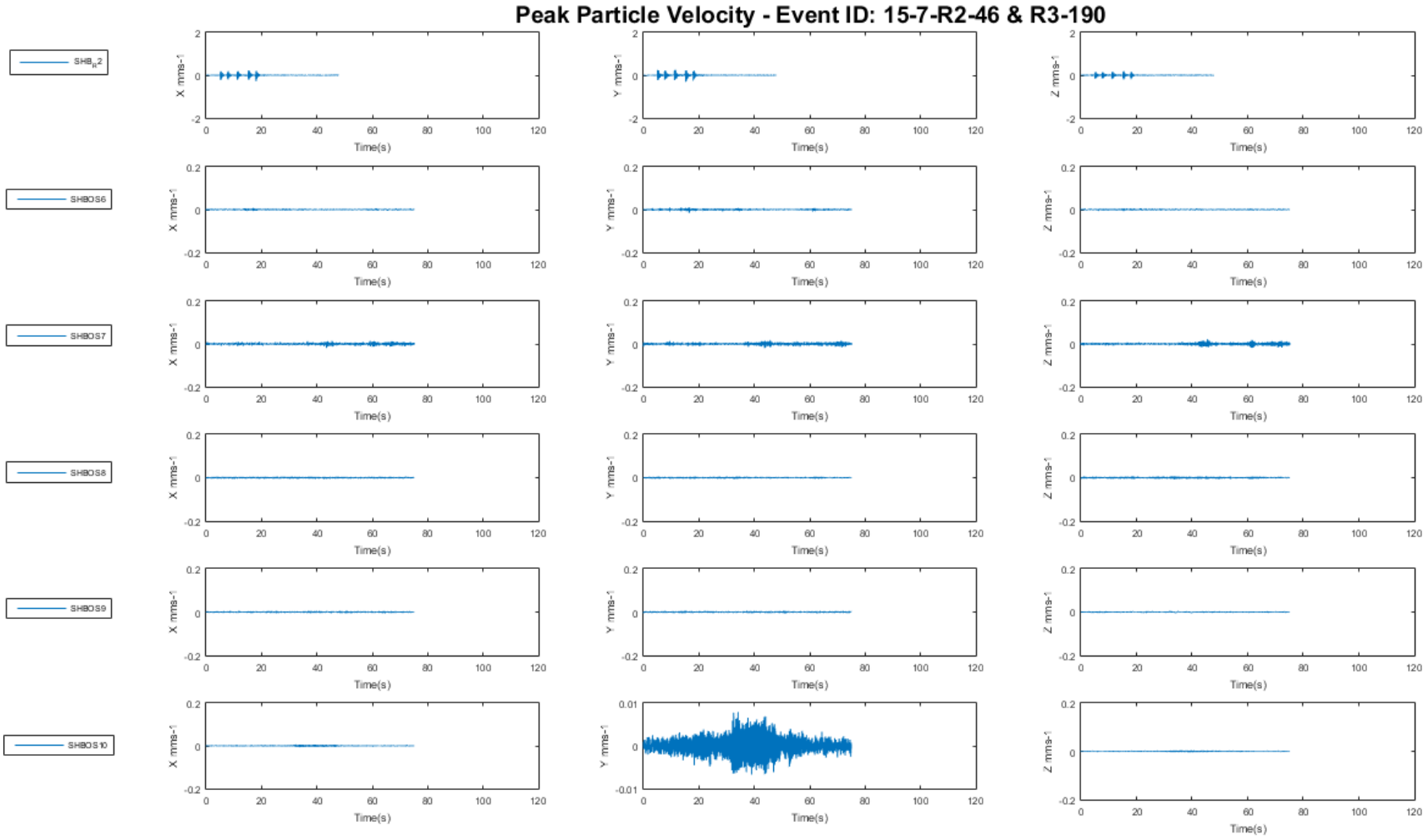


FIGURE 3.224: SHB_OS 6 - 10 15-7-R2-46 & R3-190

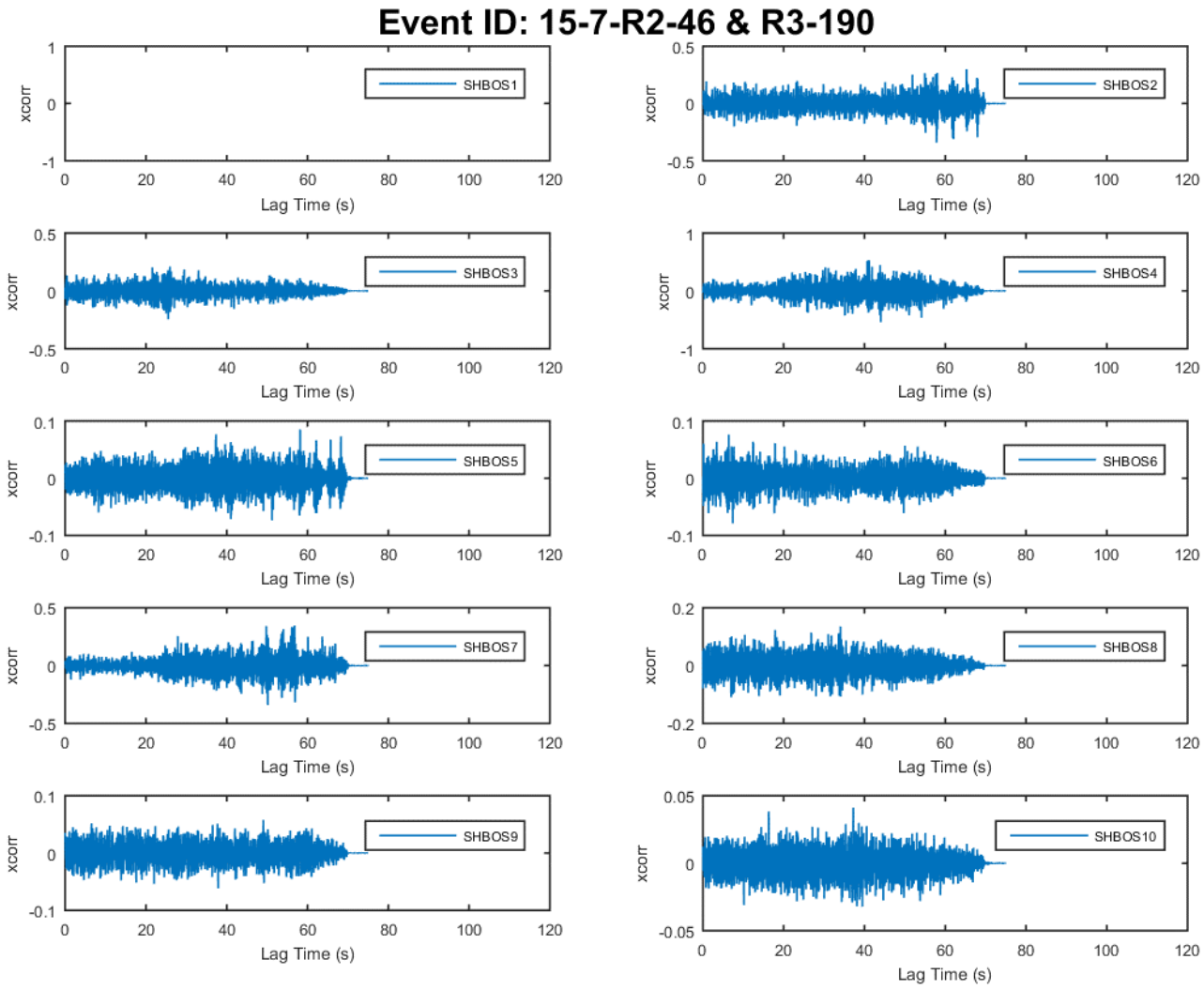


FIGURE 3.225: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-46 & R3-190

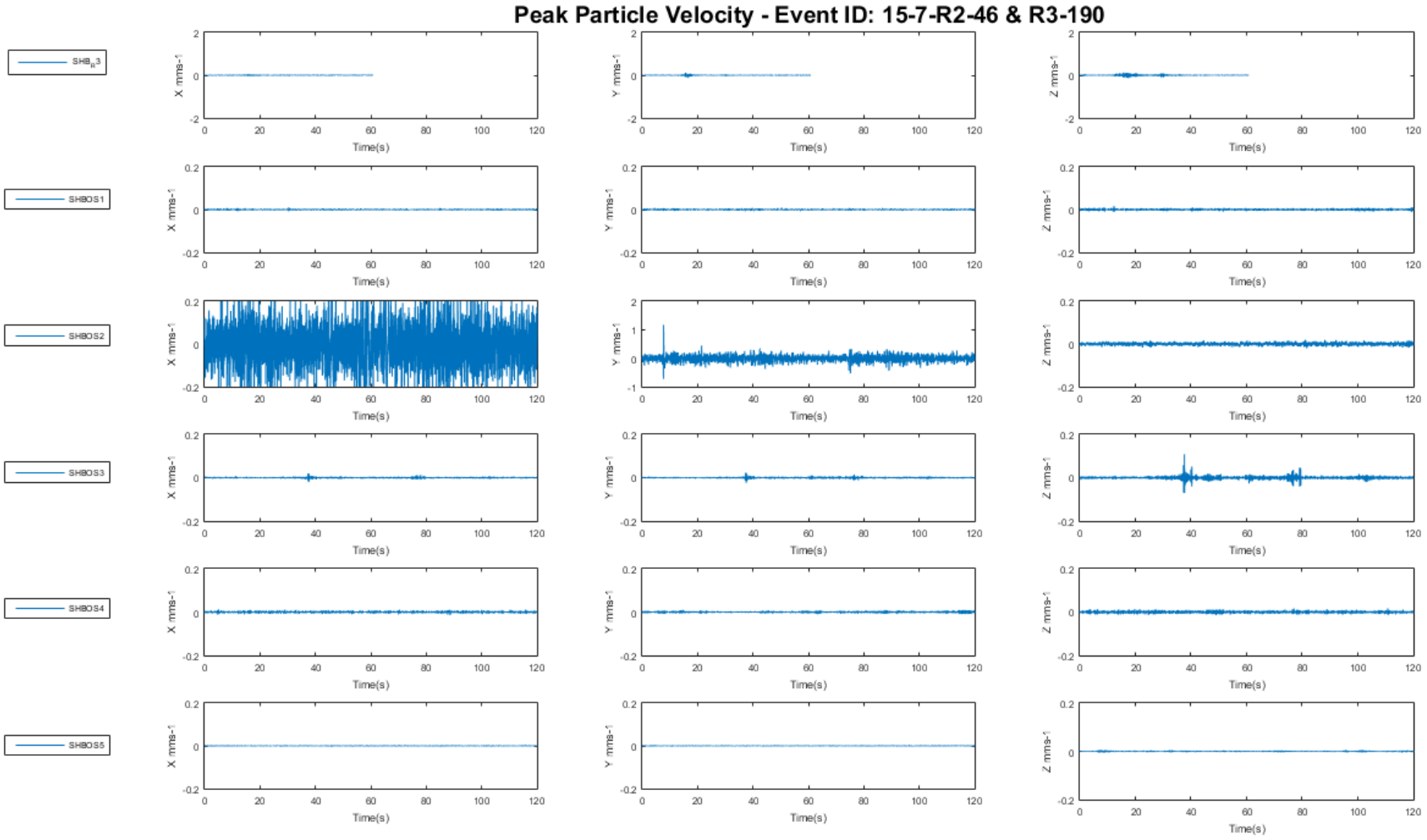


FIGURE 3.226: SHB_OS 1 - 5 15-7-R2-46 & R3-190

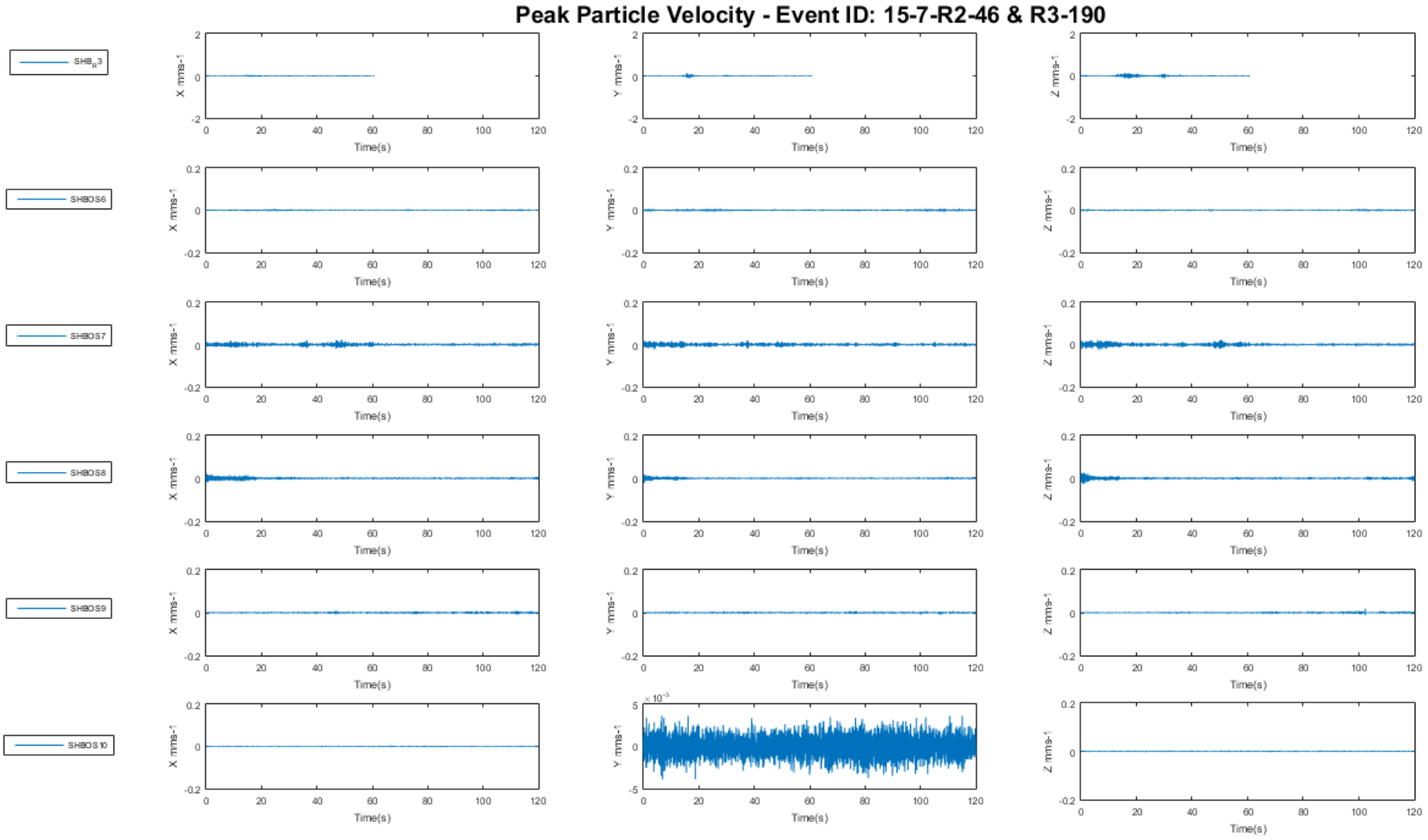


FIGURE 3.227: SHB_OS 6 - 10 15-7-R2-46 & R3-190

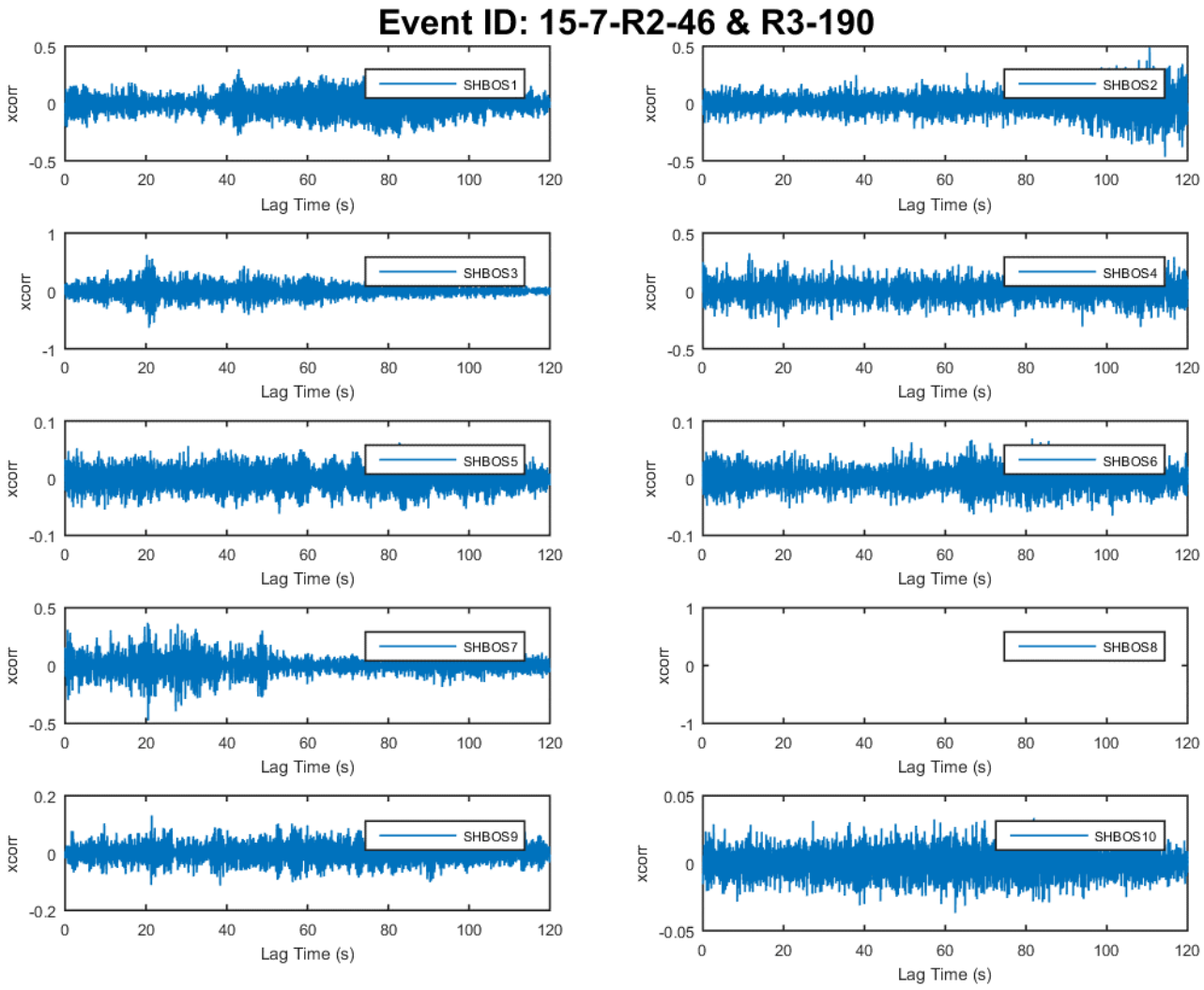


FIGURE 3.228: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-46 & R3-190

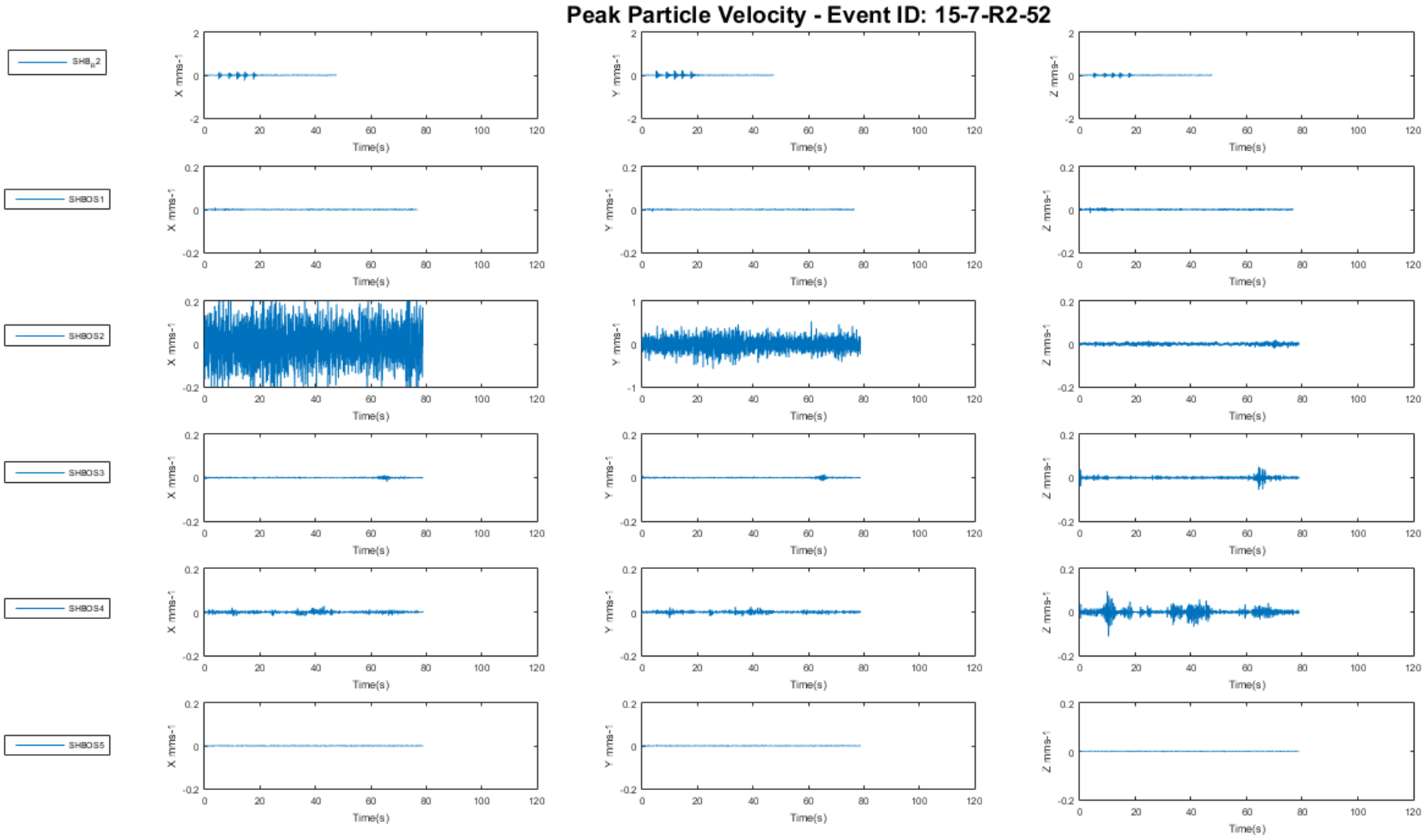


FIGURE 3.229: SHB_OS 1 - 5 15-7-R2-52

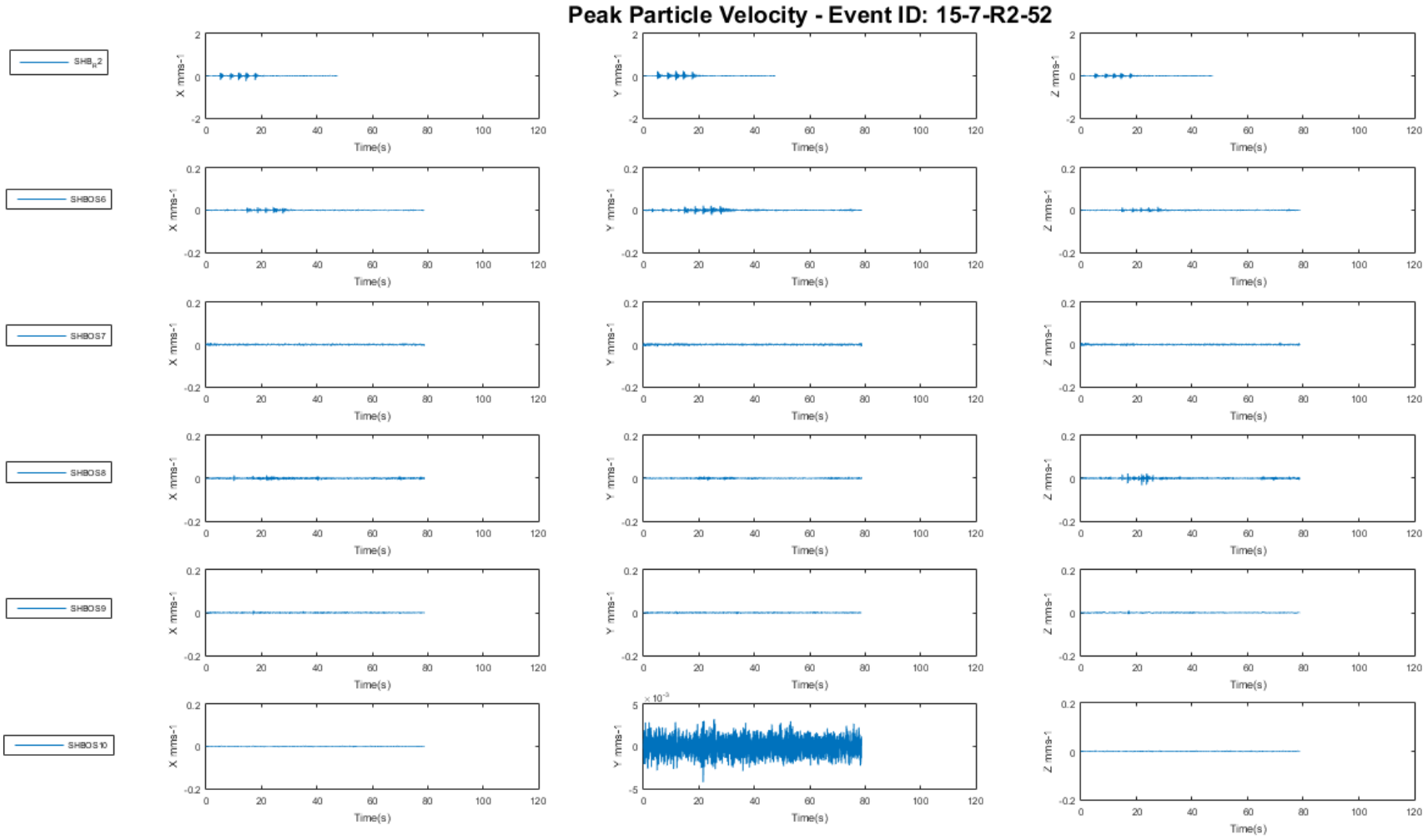


FIGURE 3.230: SHB_OS 6 - 10 15-7-R2-52

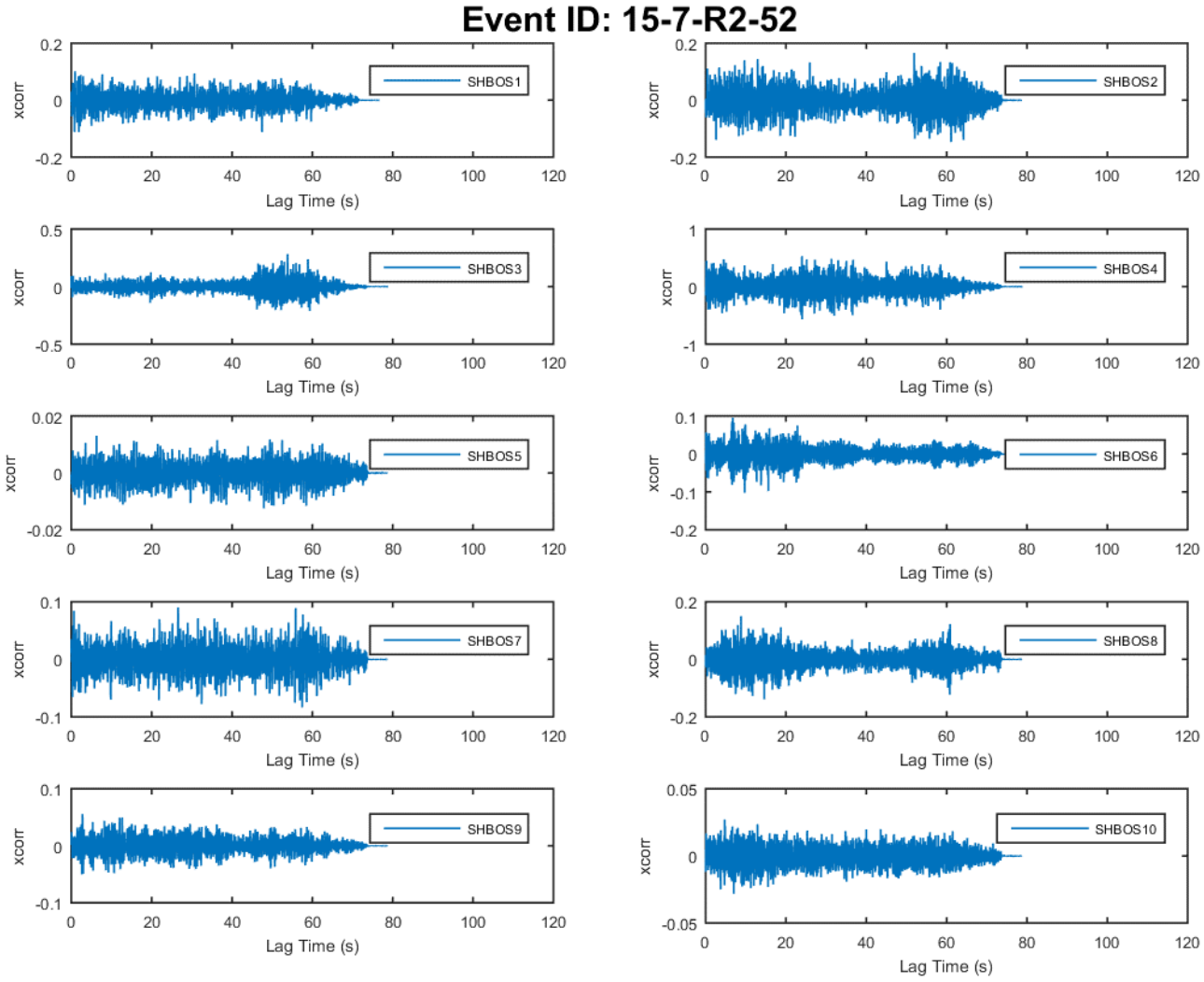


FIGURE 3.231: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-52

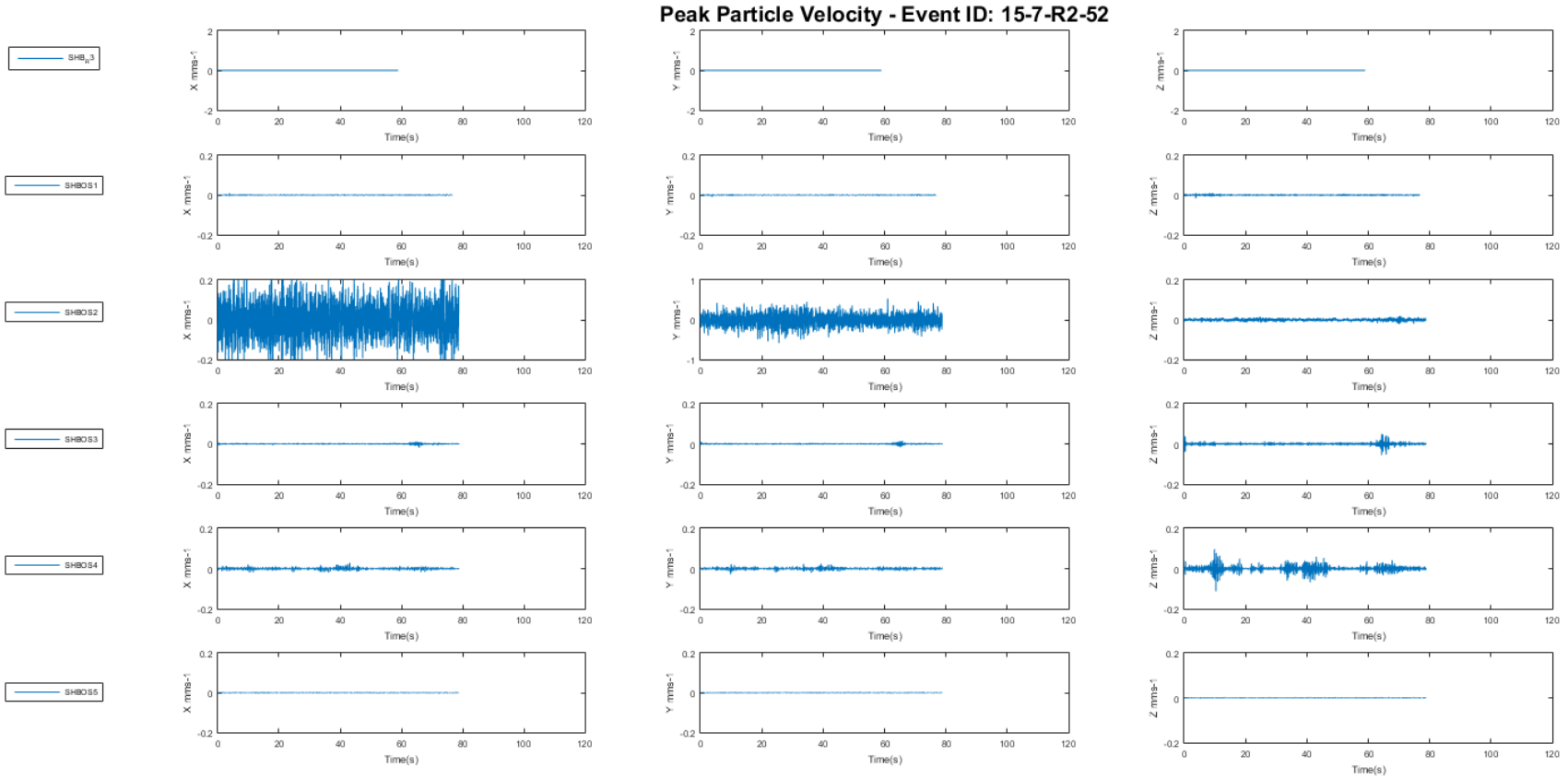


FIGURE 3.232: SHB_OS 1 - 5 15-7-R2-52

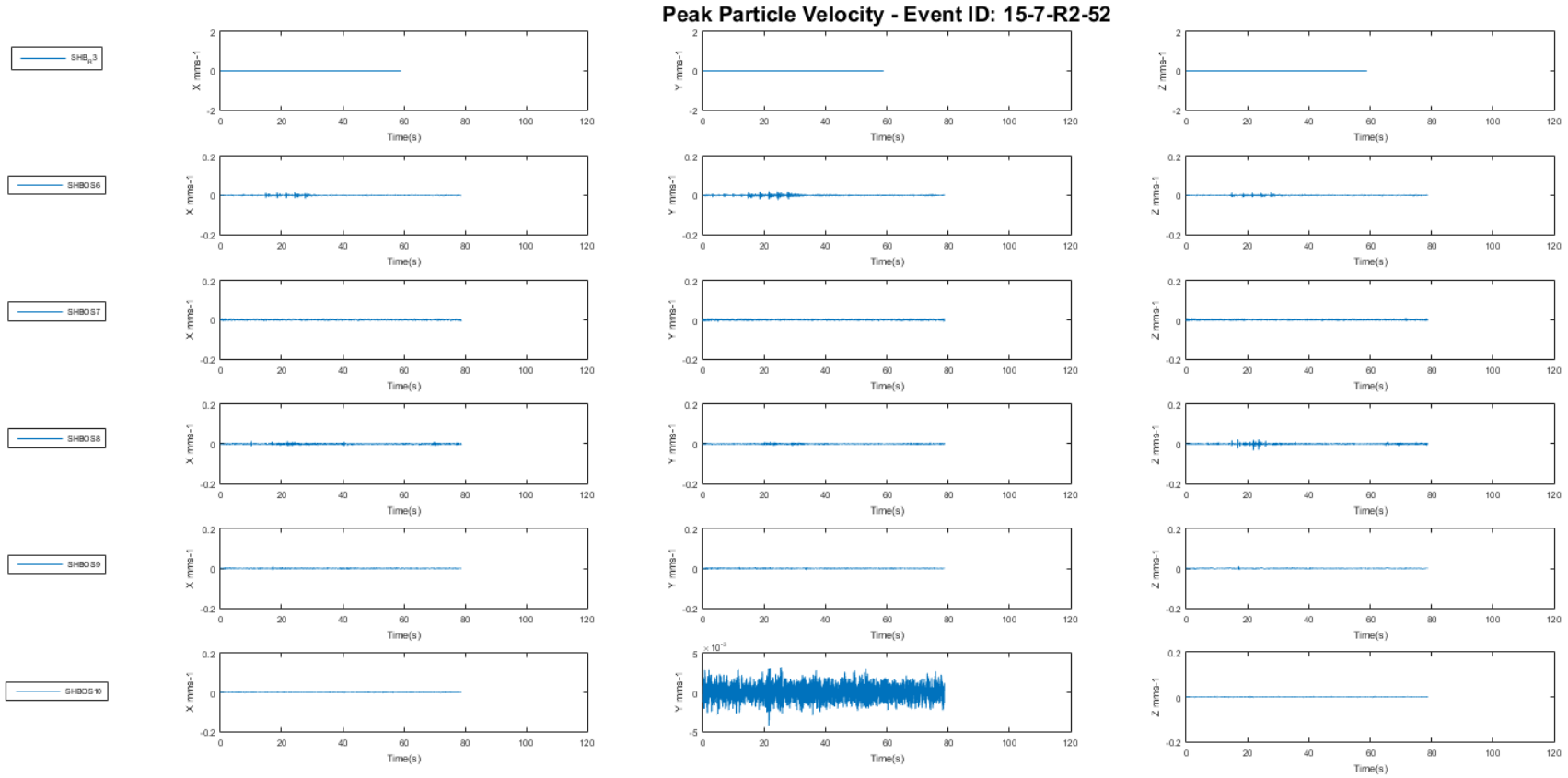


FIGURE 3.233: SHB_OS 6 - 10 15-7-R2-52

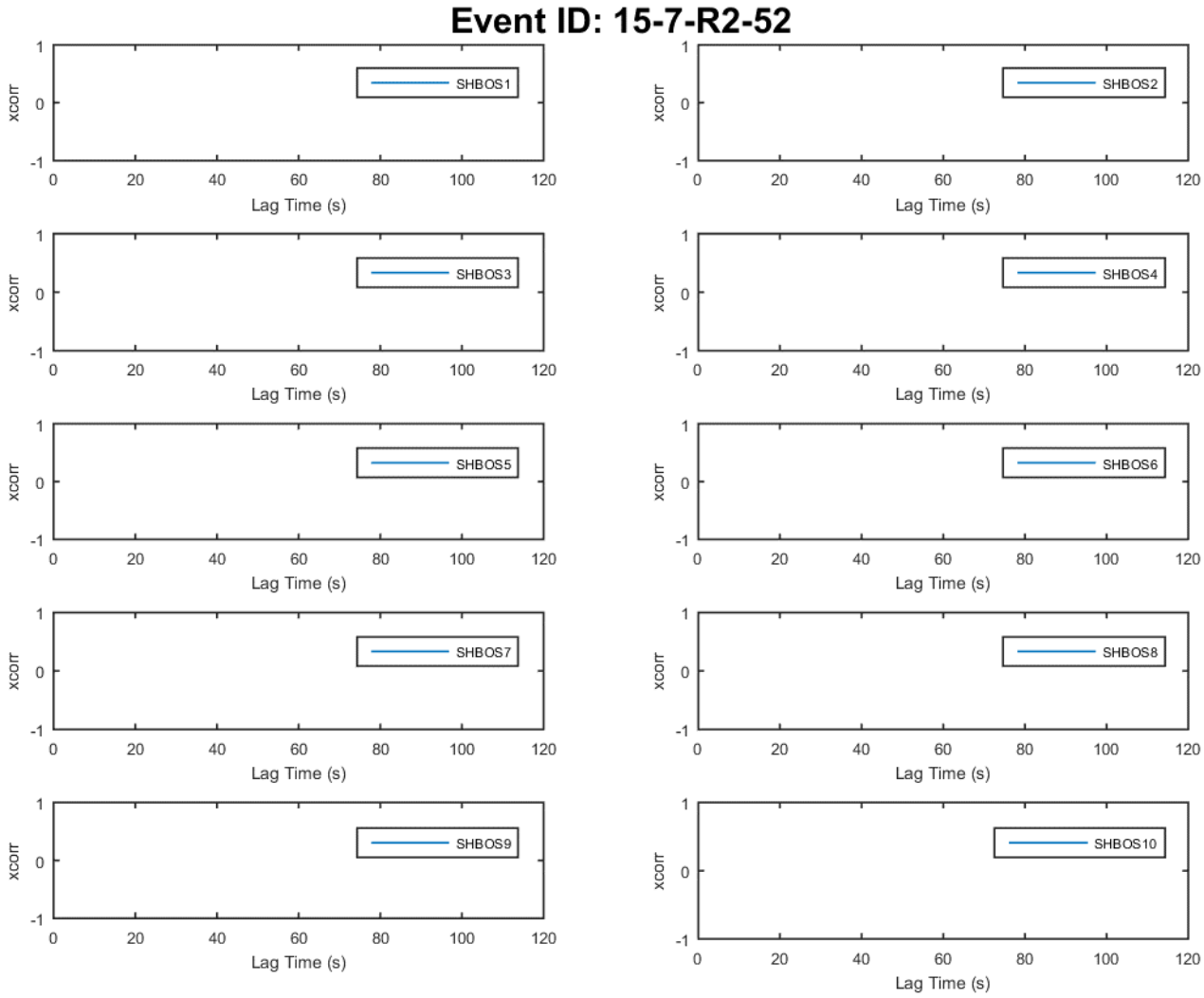


FIGURE 3.234: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-52

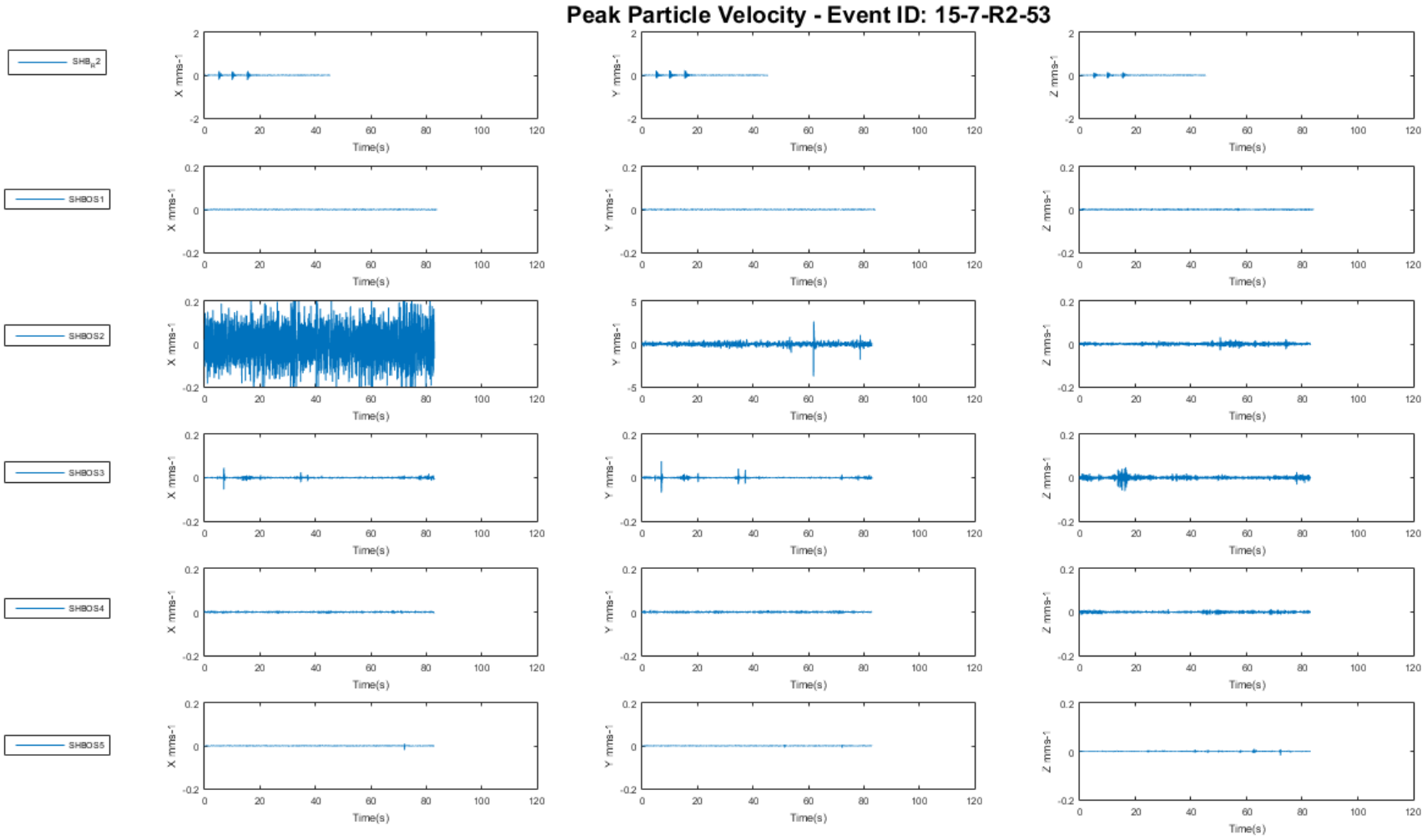


FIGURE 3.235: SHB_OS 1 - 5 15-7-R2-53

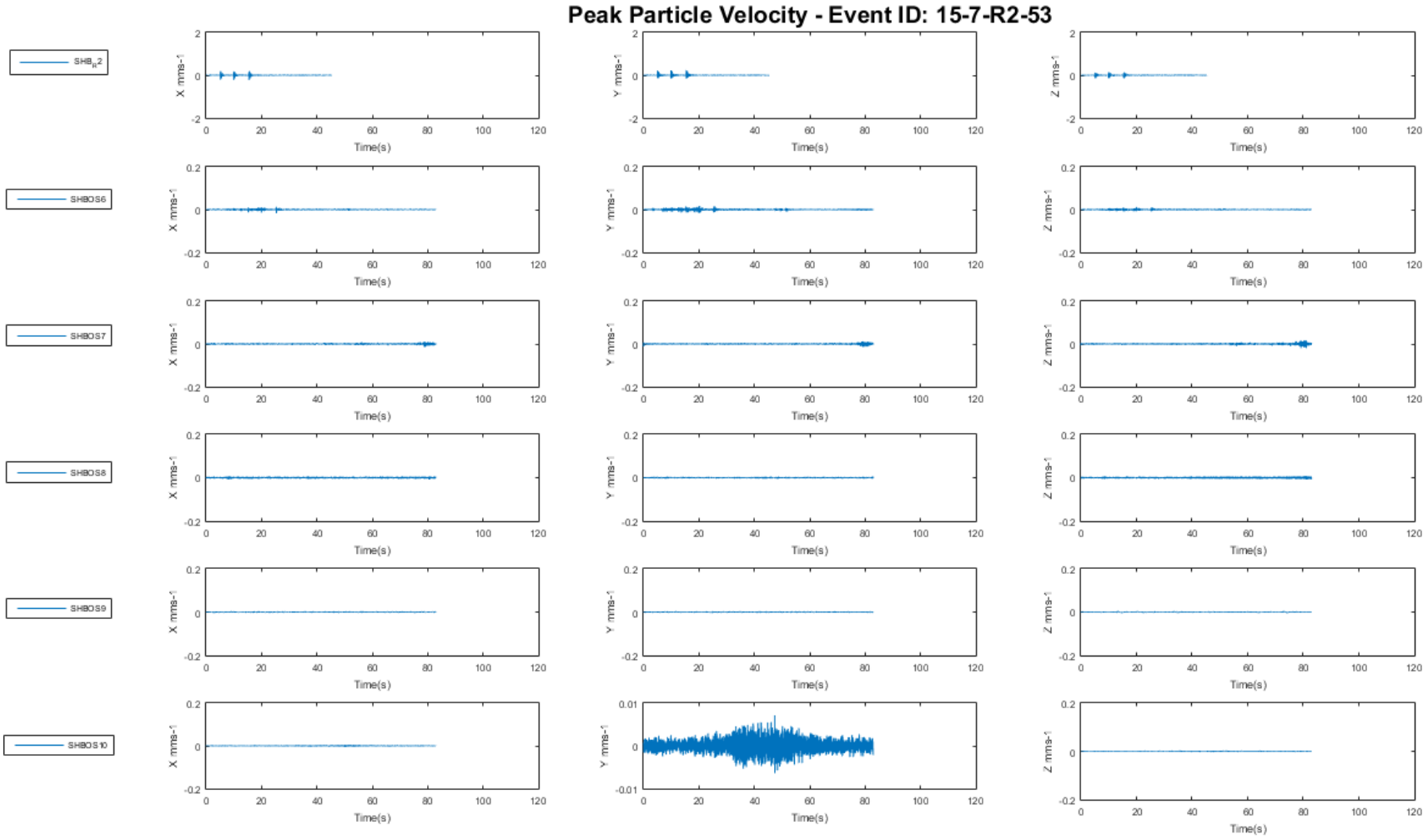


FIGURE 3.236: SHB_OS 6 - 10 15-7-R2-53

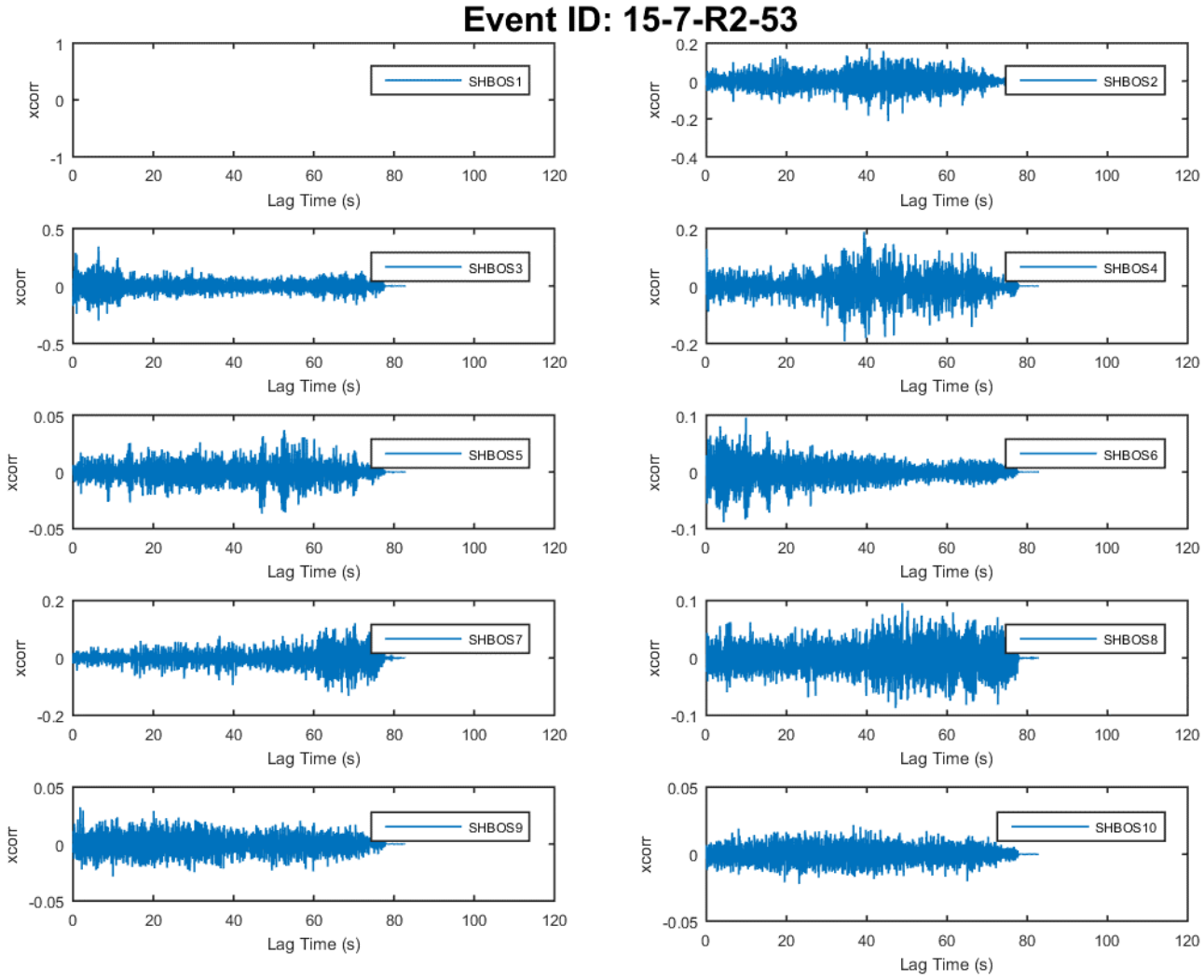


FIGURE 3.237: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-53

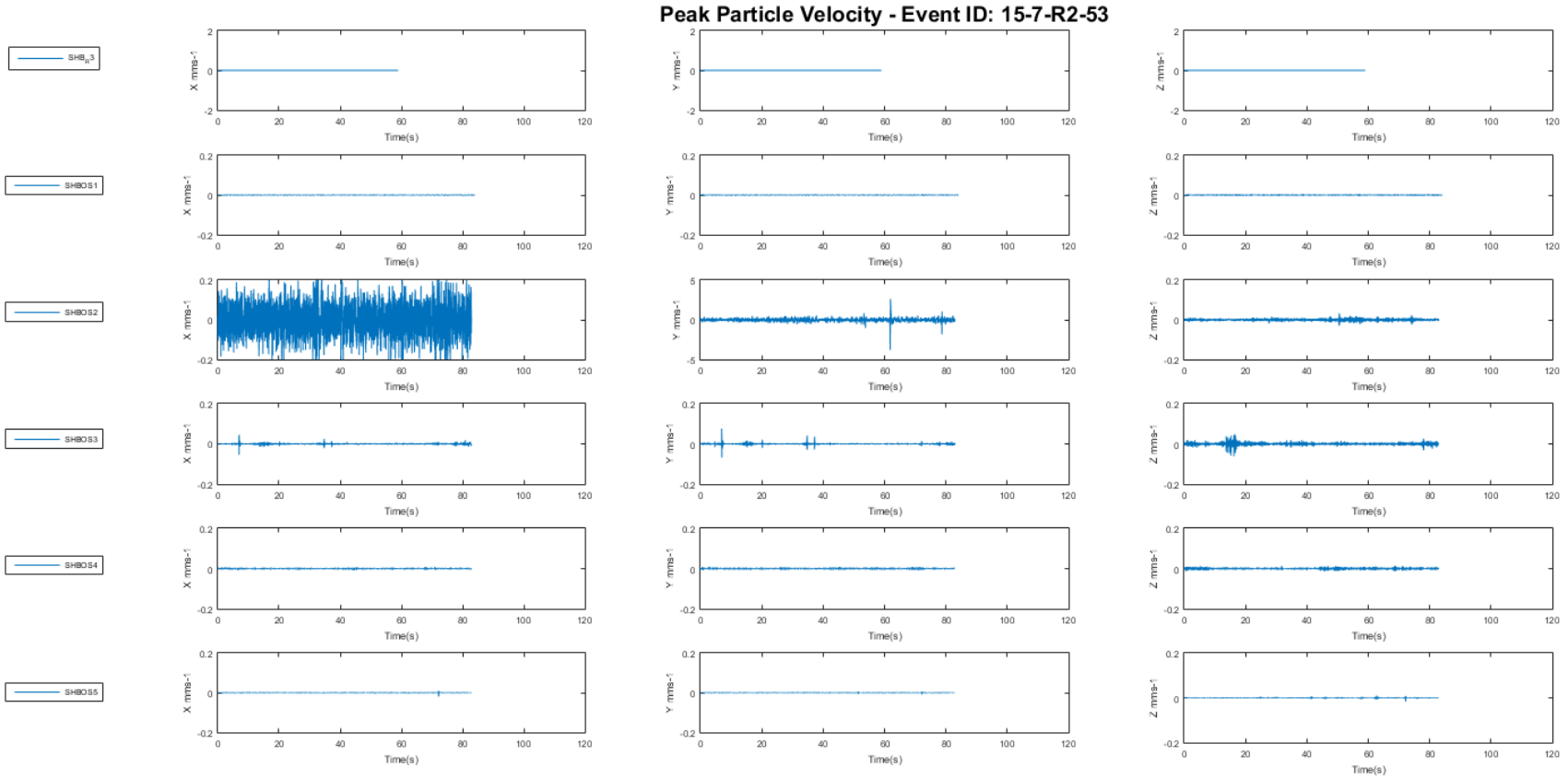


FIGURE 3.238: SHB_OS 1 - 5 15-7-R2-53

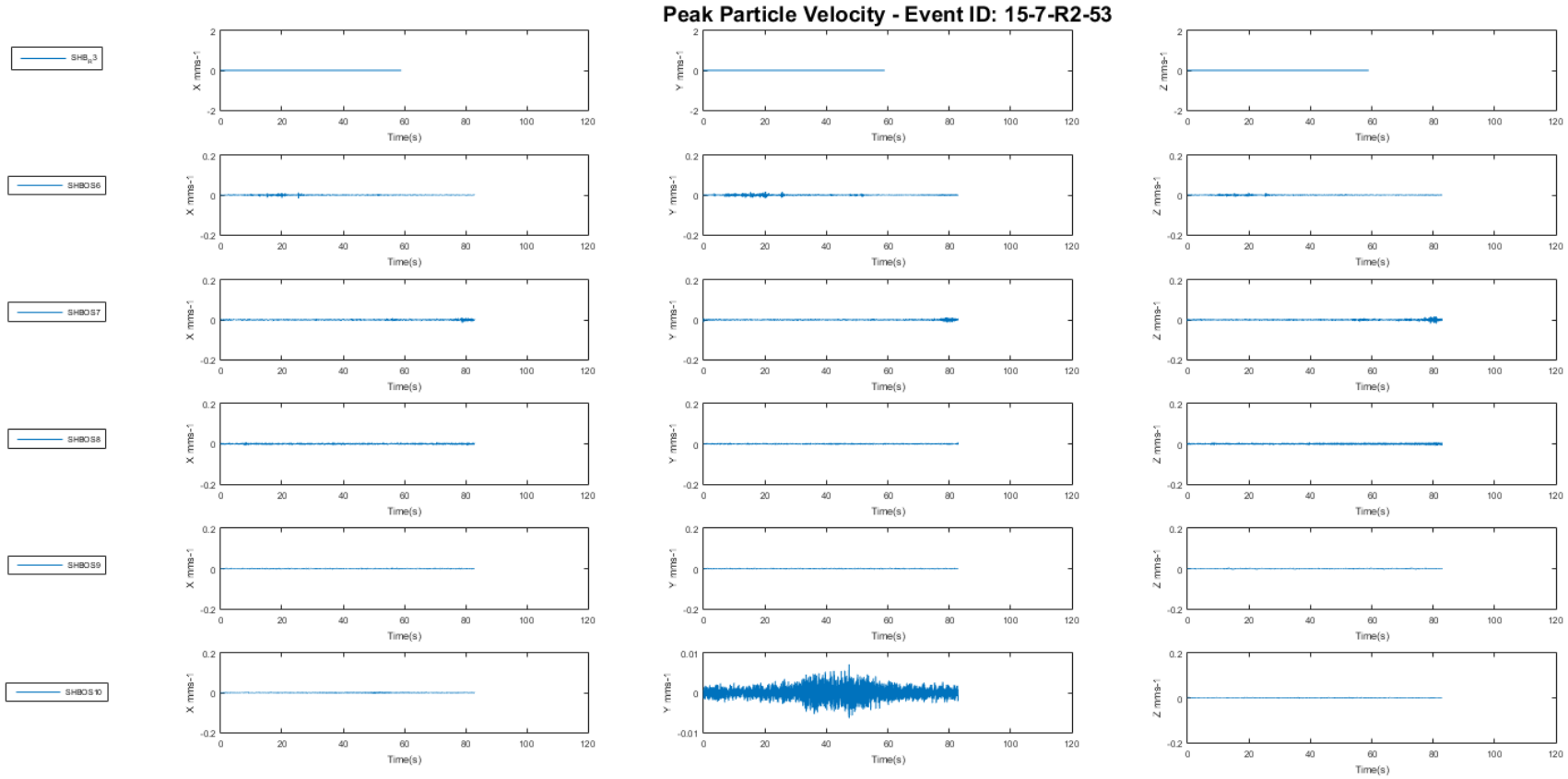


FIGURE 3.239: SHB_OS 6 - 10 15-7-R2-53

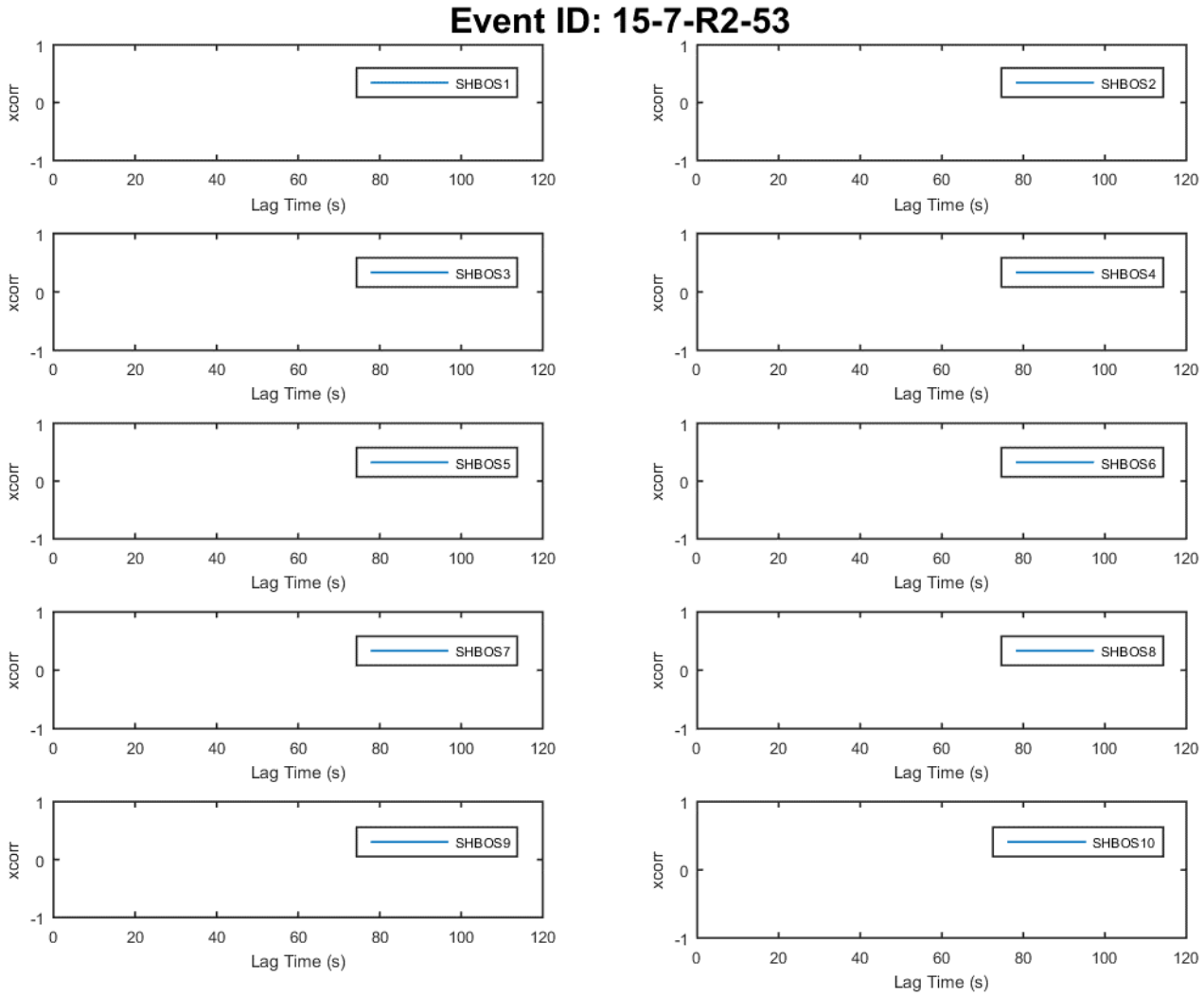


FIGURE 3.240: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-53

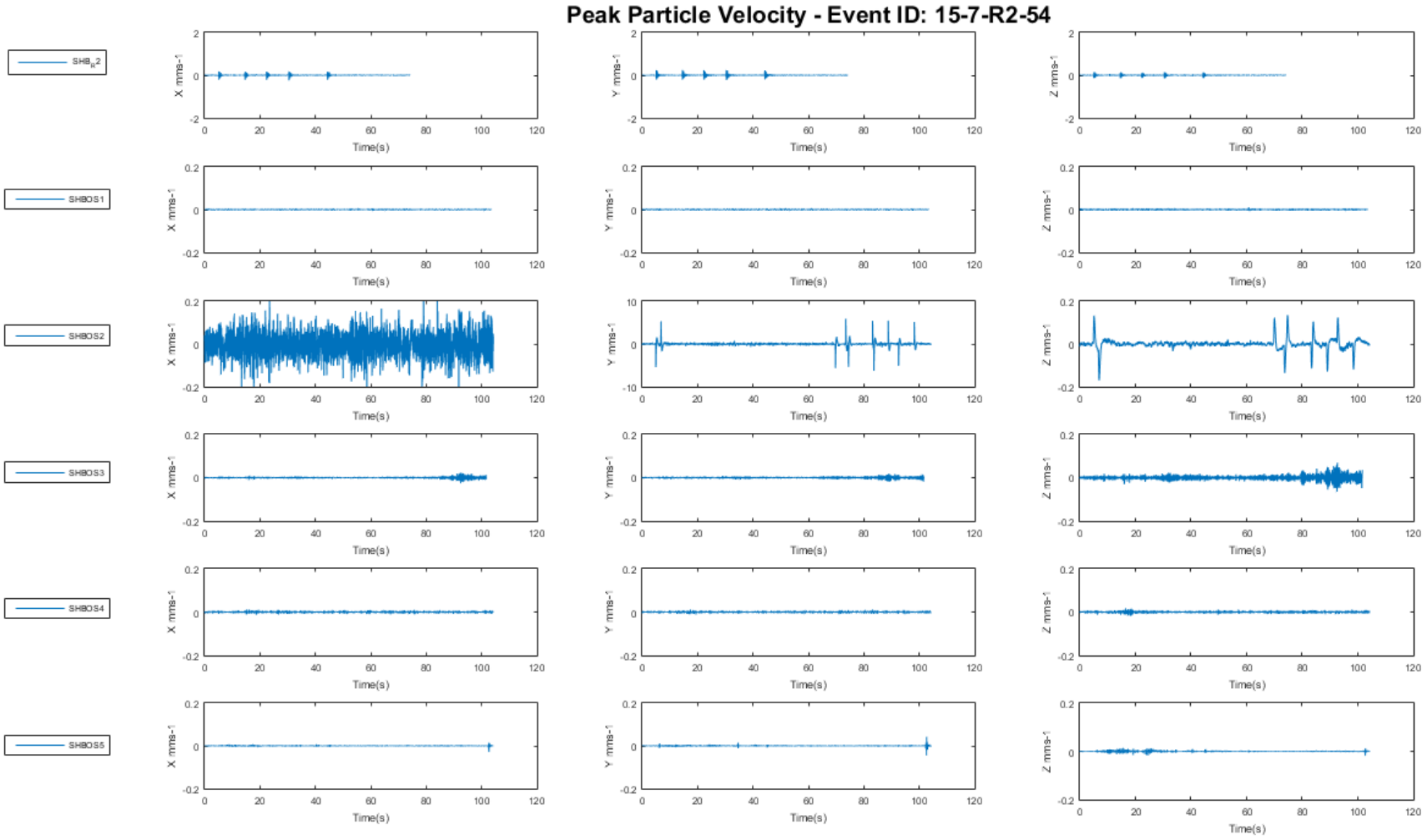


FIGURE 3.241: SHB_OS 1 - 5 15-7-R2-54

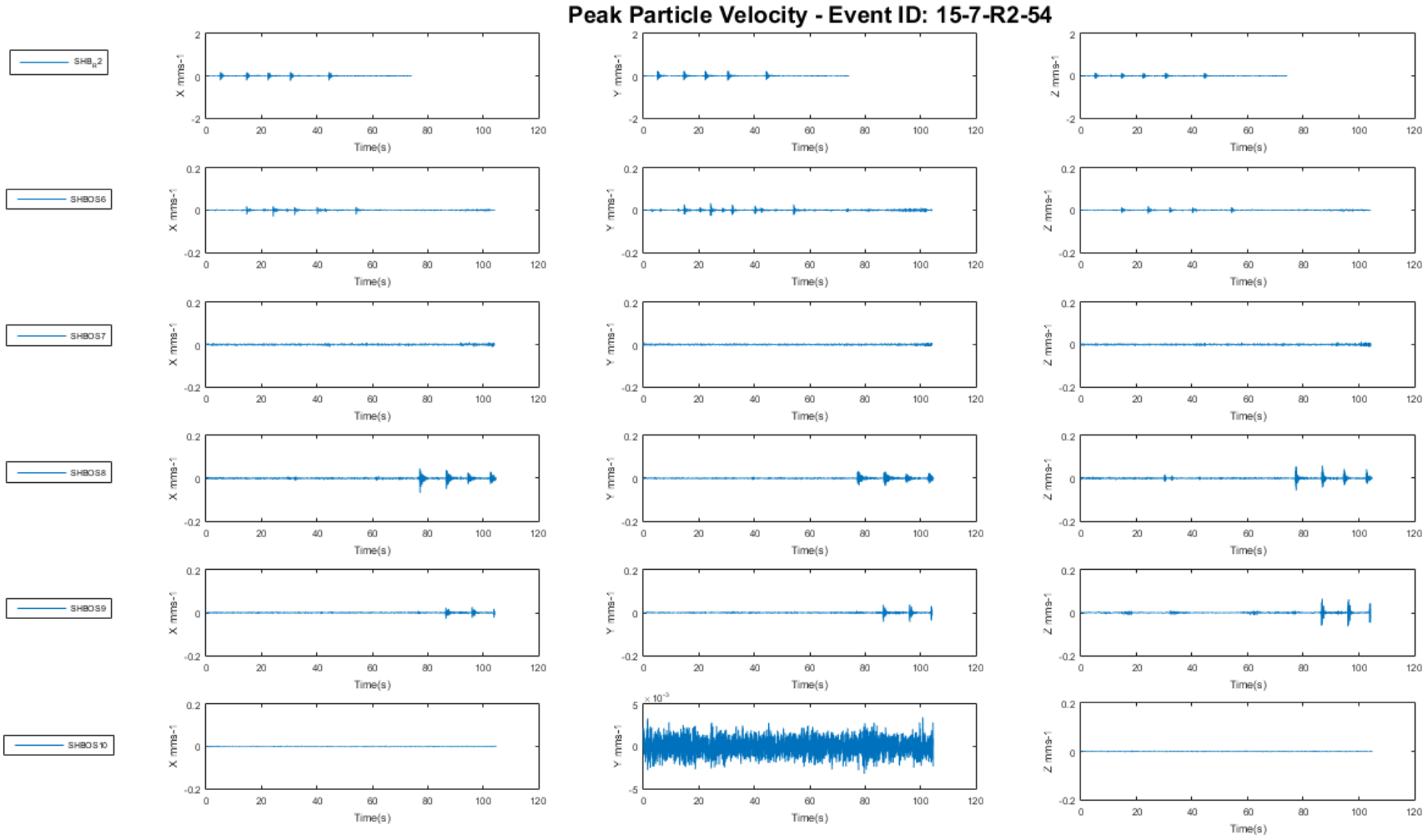


FIGURE 3.242: SHB_OS 6 - 10 15-7-R2-54

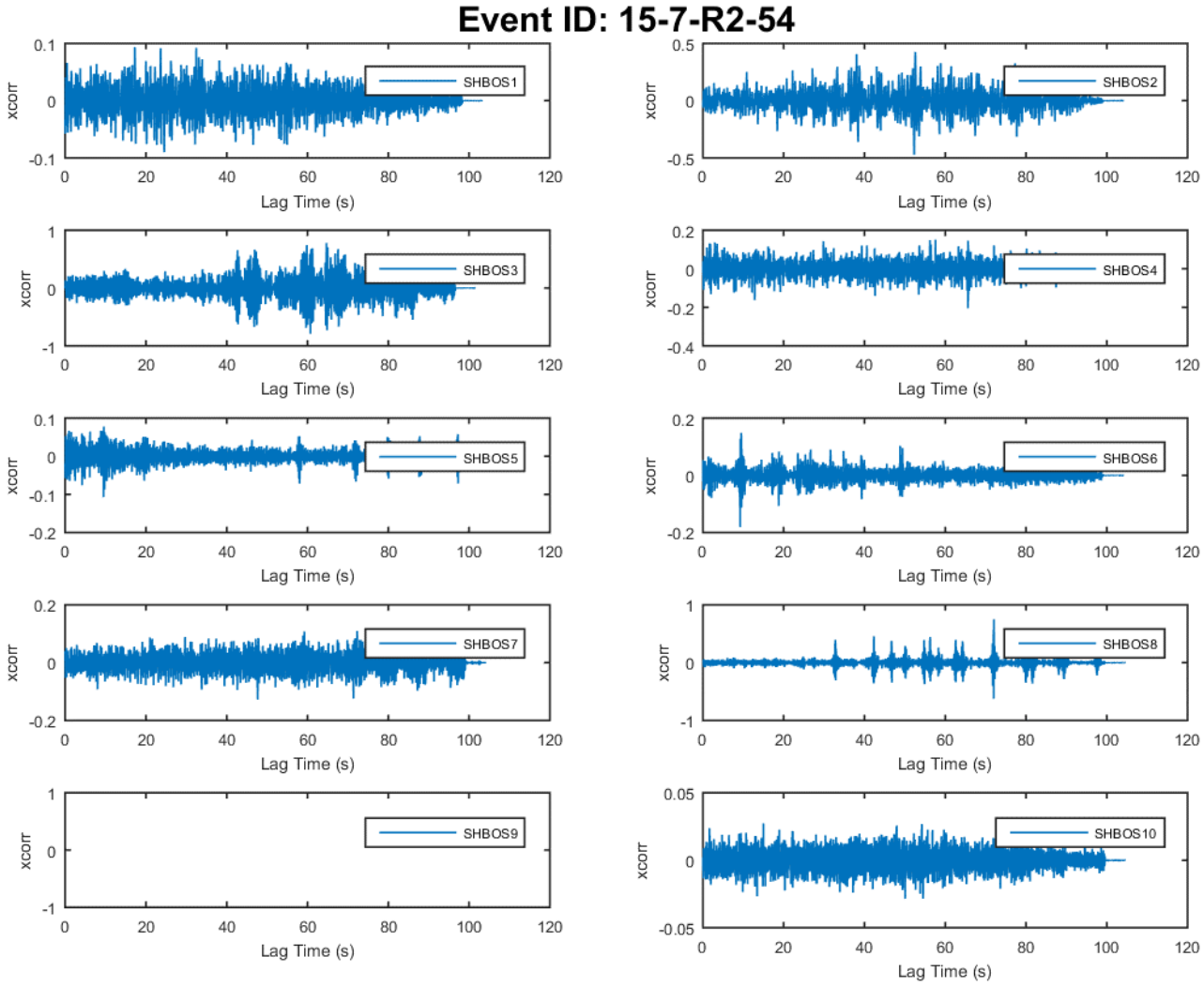


FIGURE 3.243: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-54

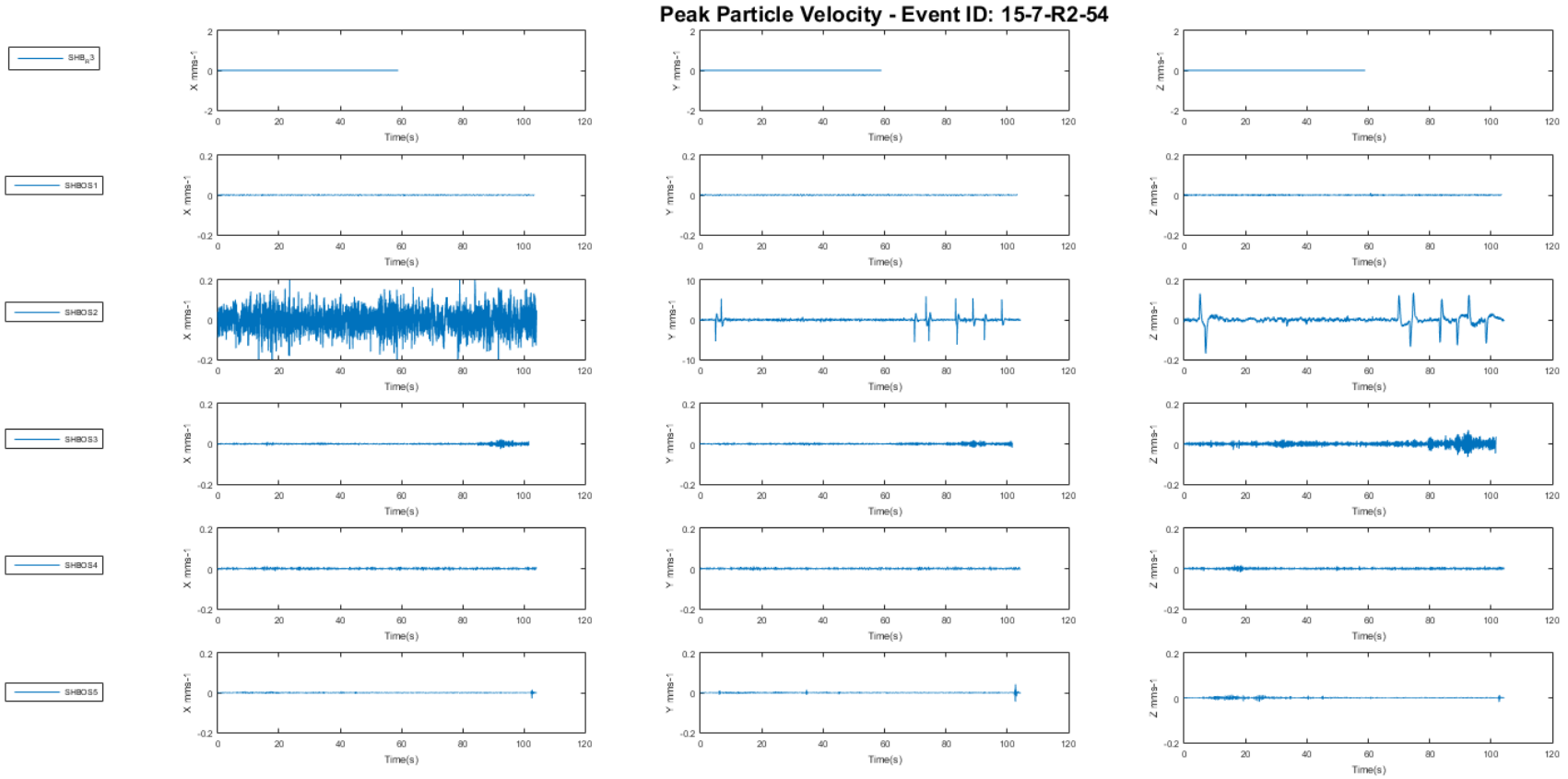


FIGURE 3.244: SHB_OS 1 - 5 15-7-R2-54

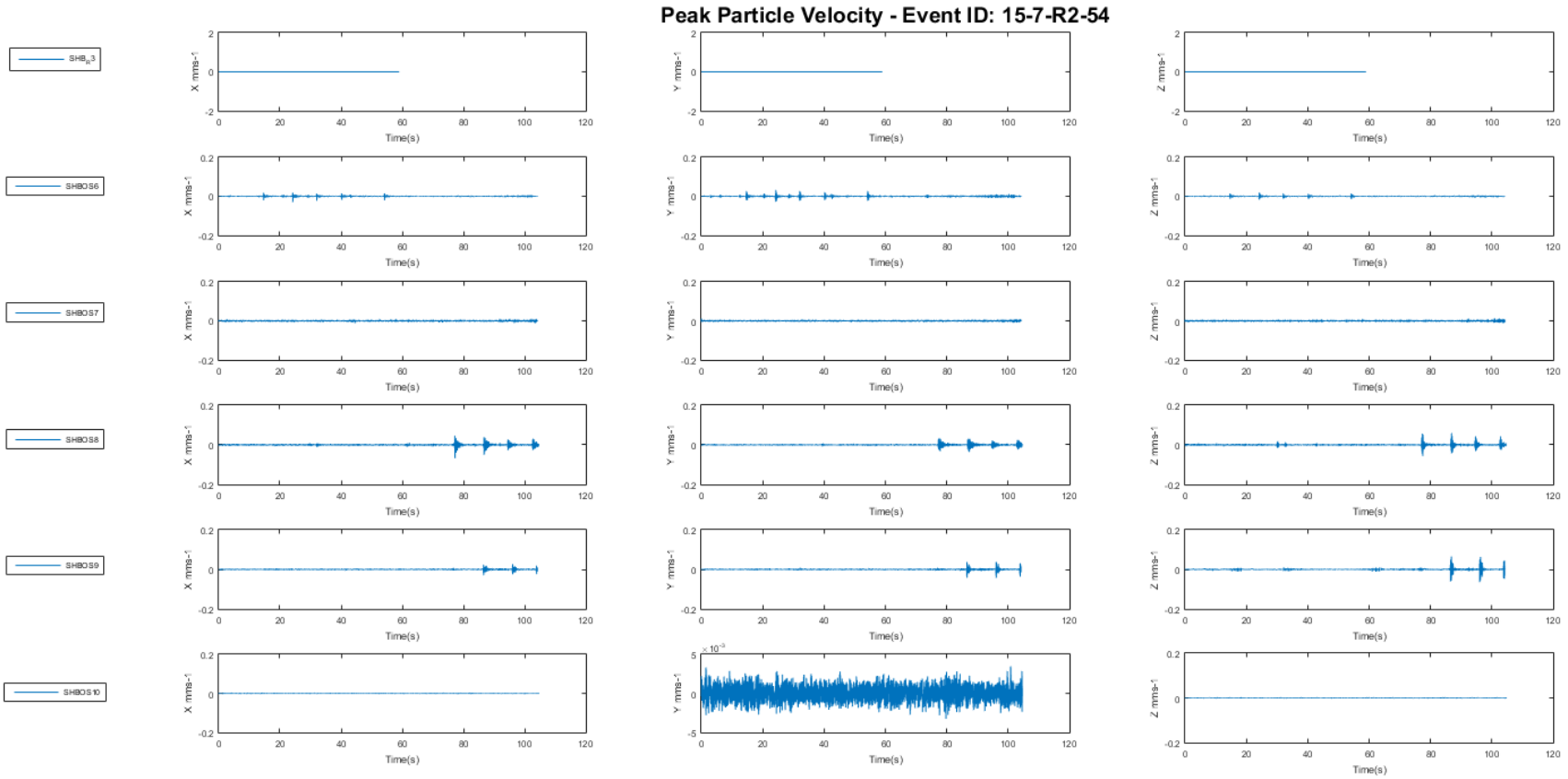


FIGURE 3.245: SHB_OS 6 - 10 15-7-R2-54

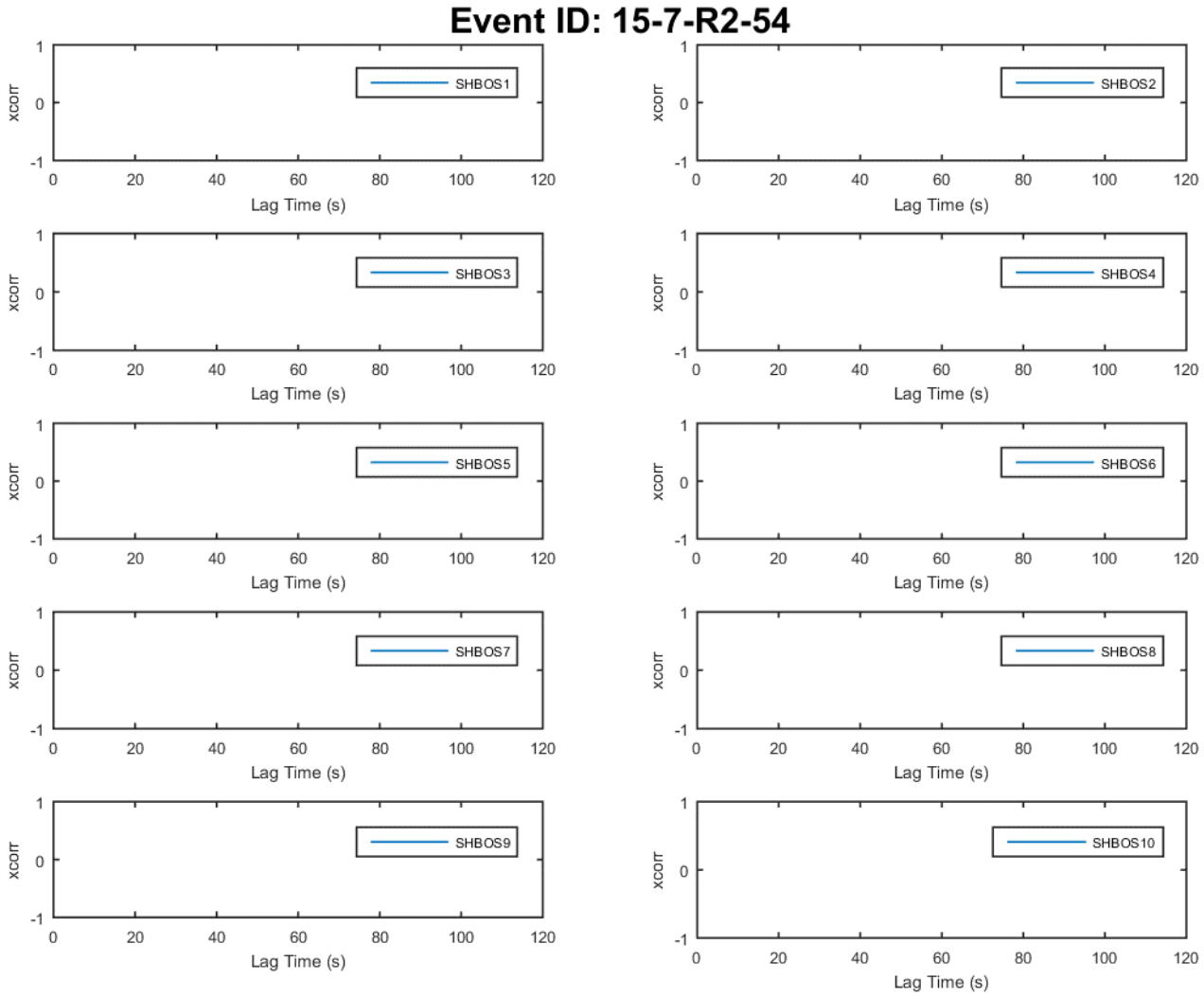


FIGURE 3.246: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-54

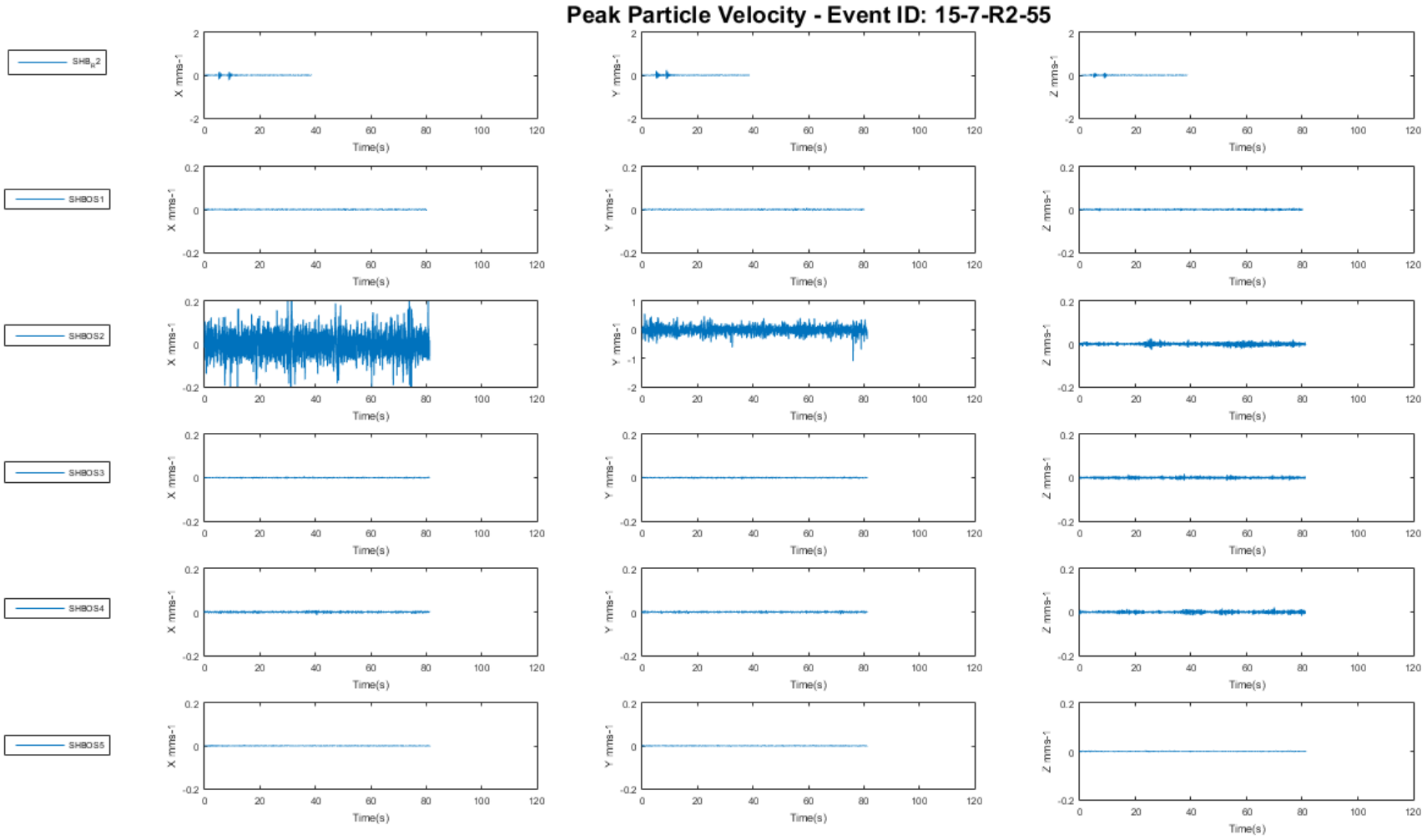


FIGURE 3.247: SHB_OS 1 - 5 15-7-R2-55

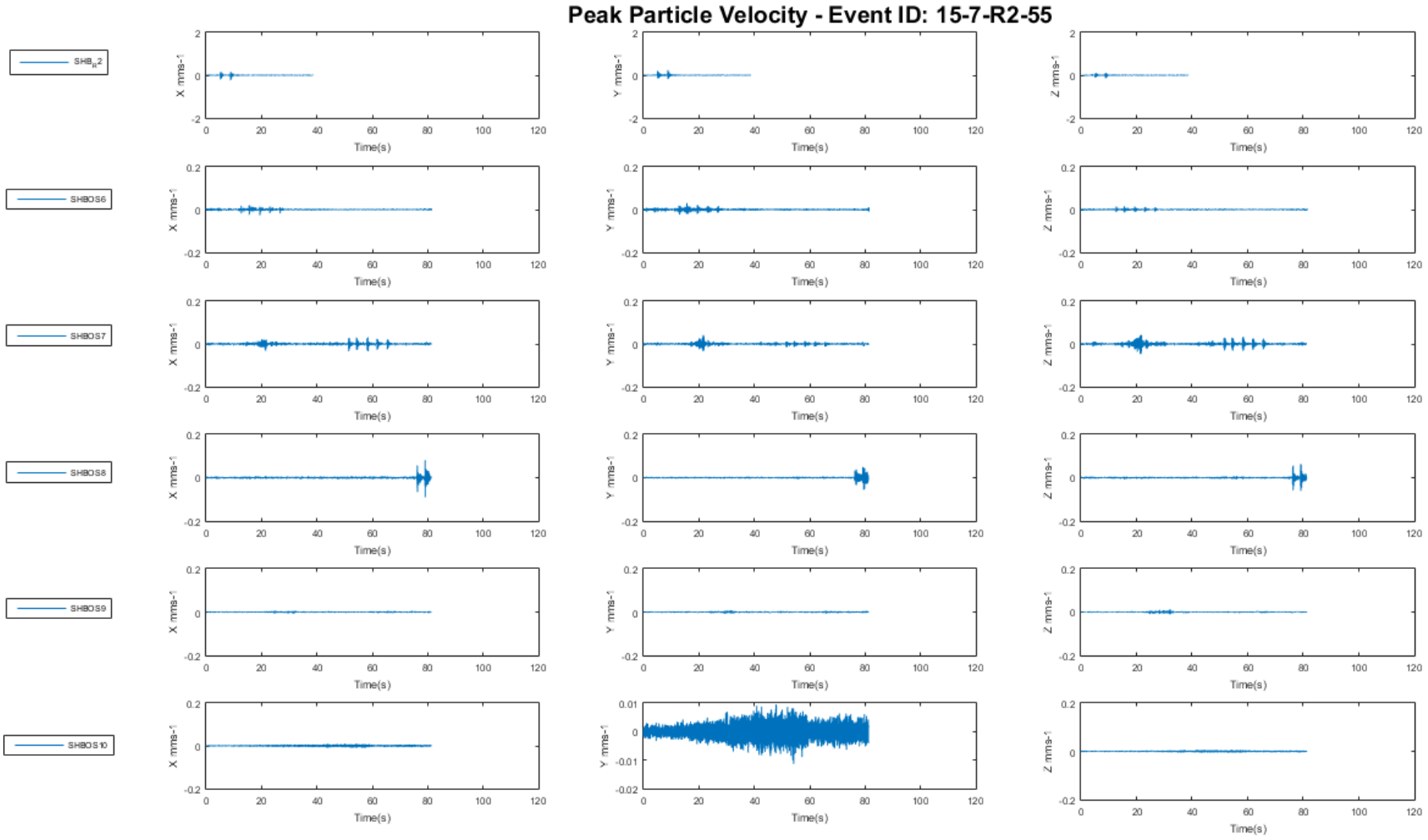


FIGURE 3.248: SHB_OS 6 - 10 15-7-R2-55

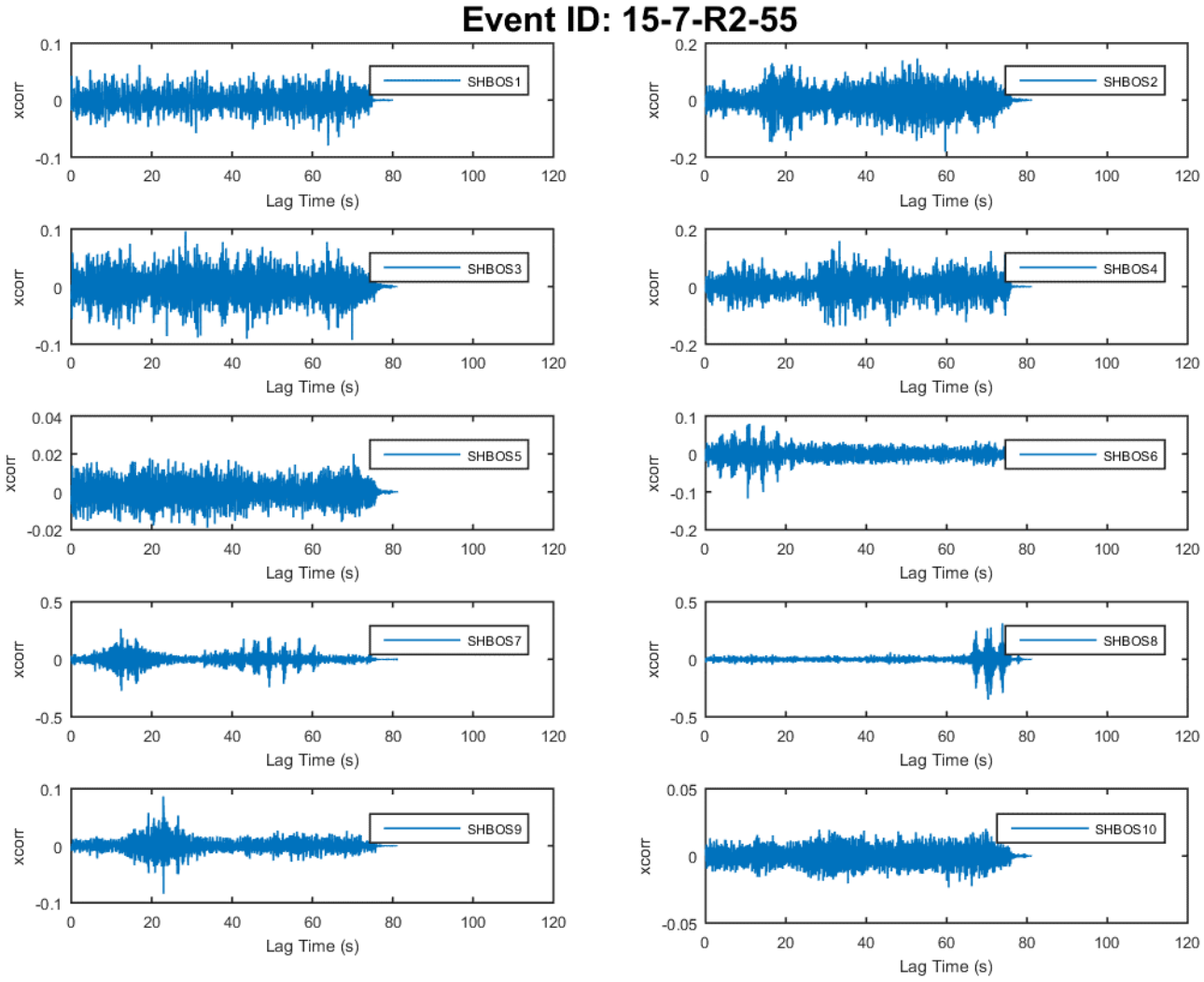


FIGURE 3.249: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-55

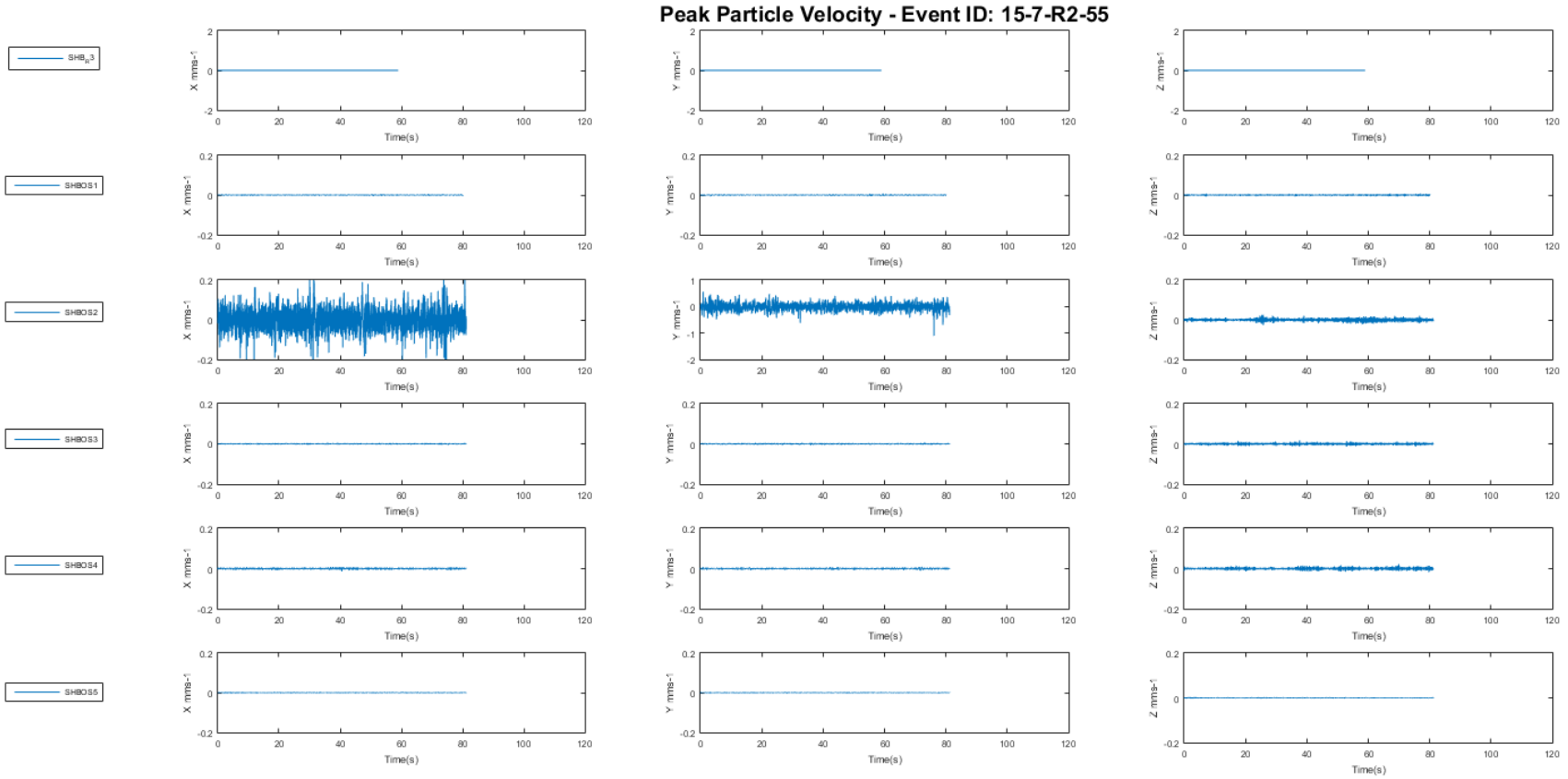


FIGURE 3.250: SHB_OS 1 - 5 15-7-R2-55

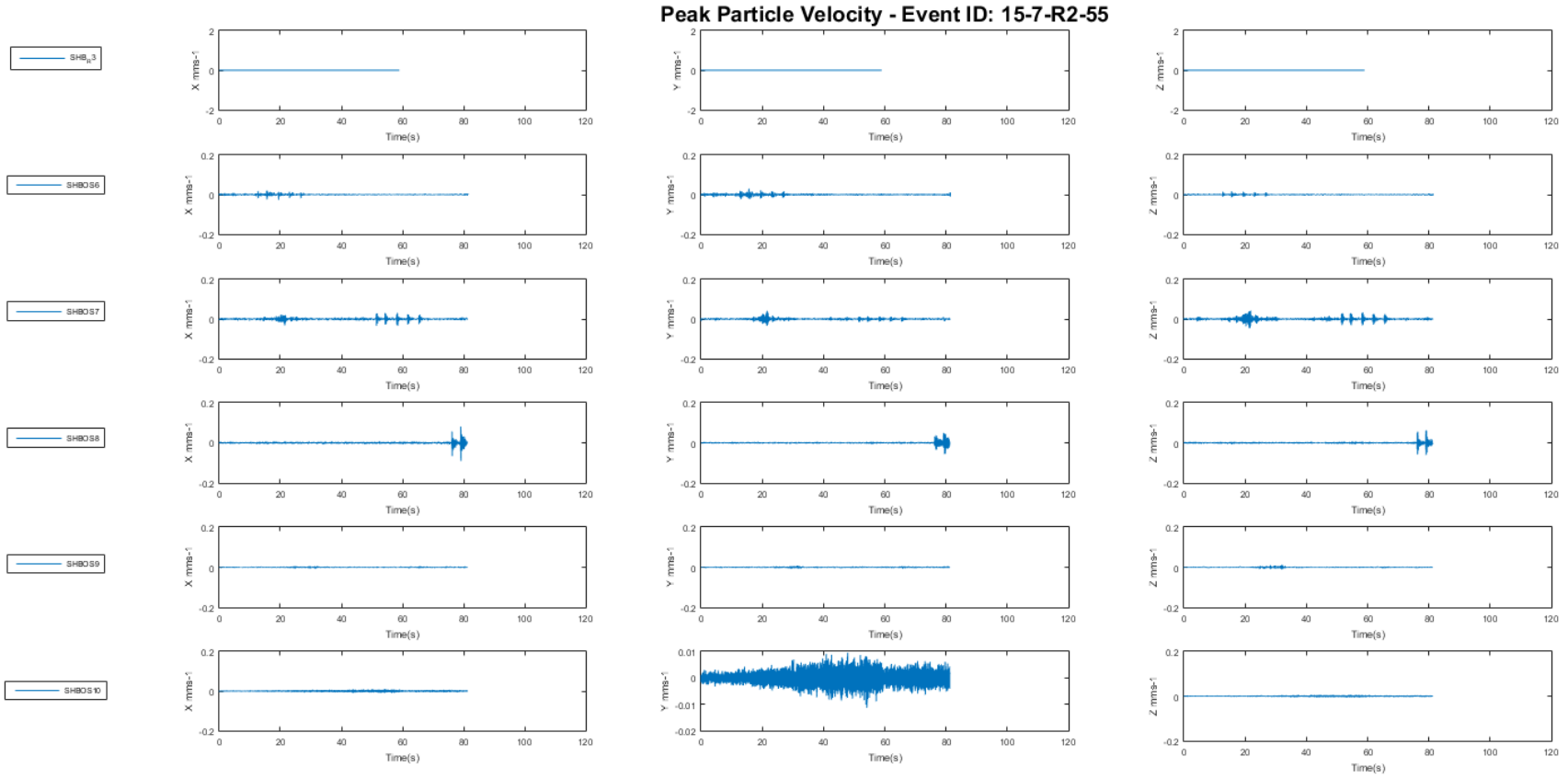


FIGURE 3.251: SHB_OS 6 - 10 15-7-R2-55

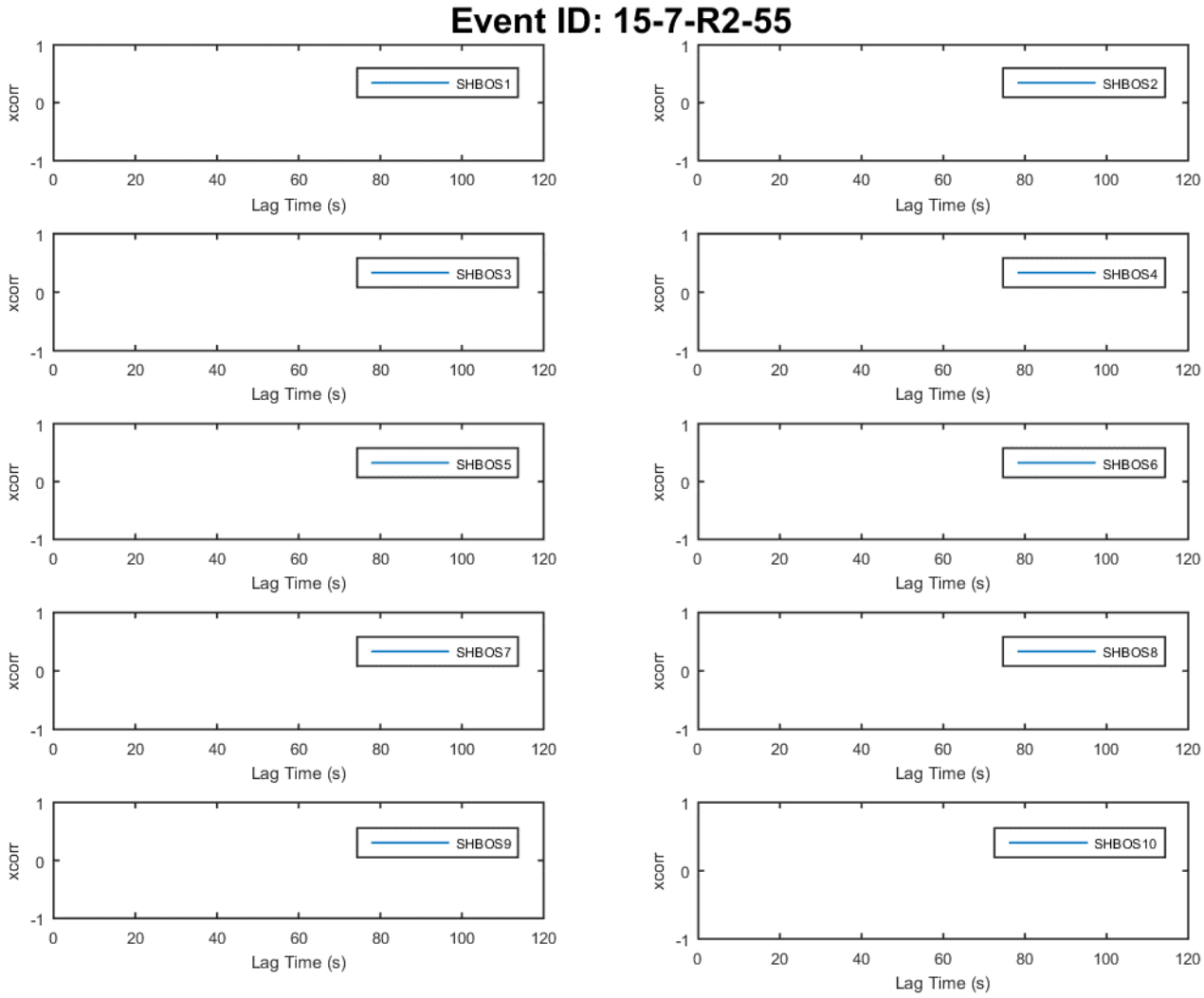


FIGURE 3.252: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-55

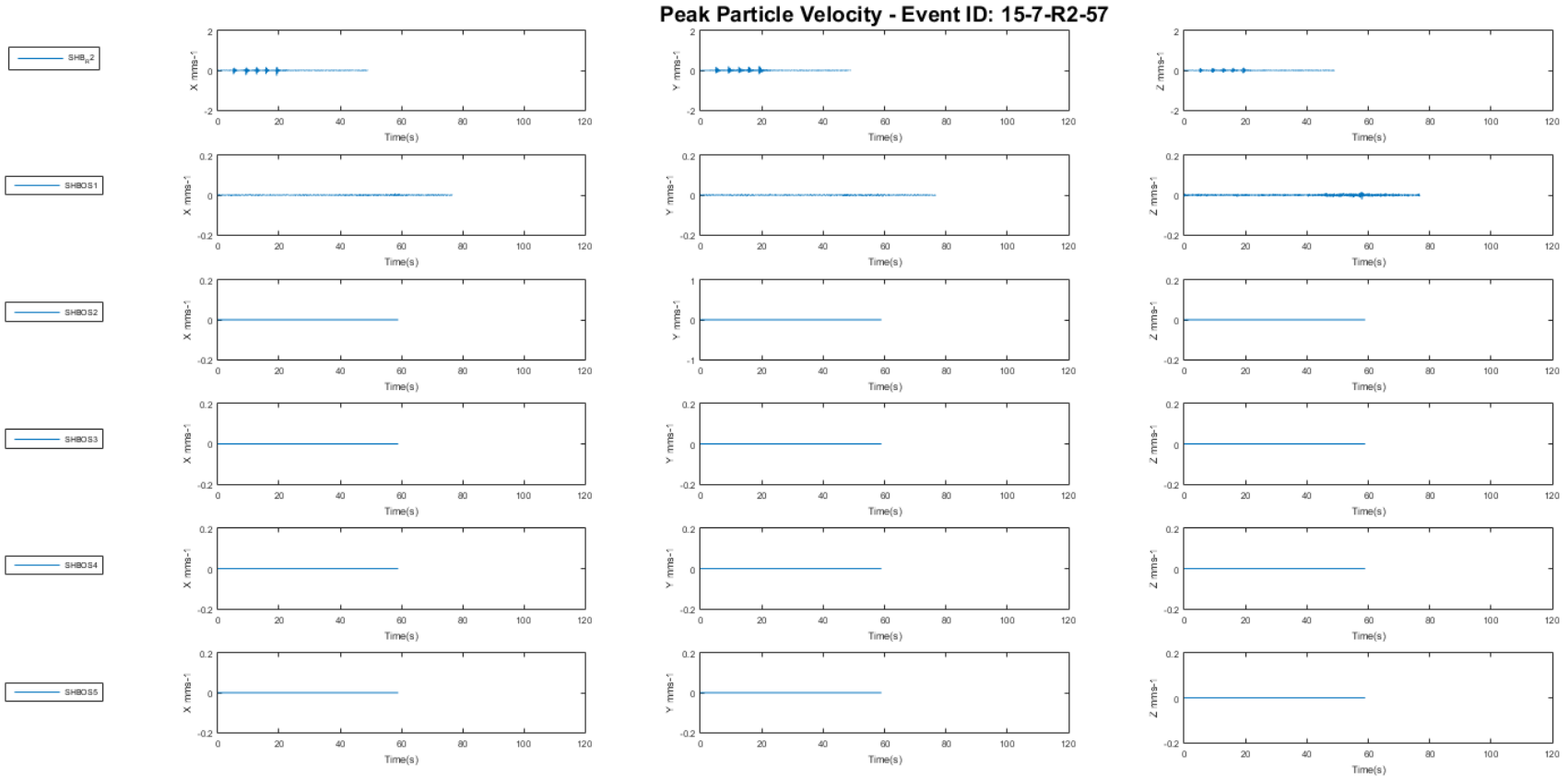


FIGURE 3.253: SHB_OS 1 - 5 15-7-R2-57

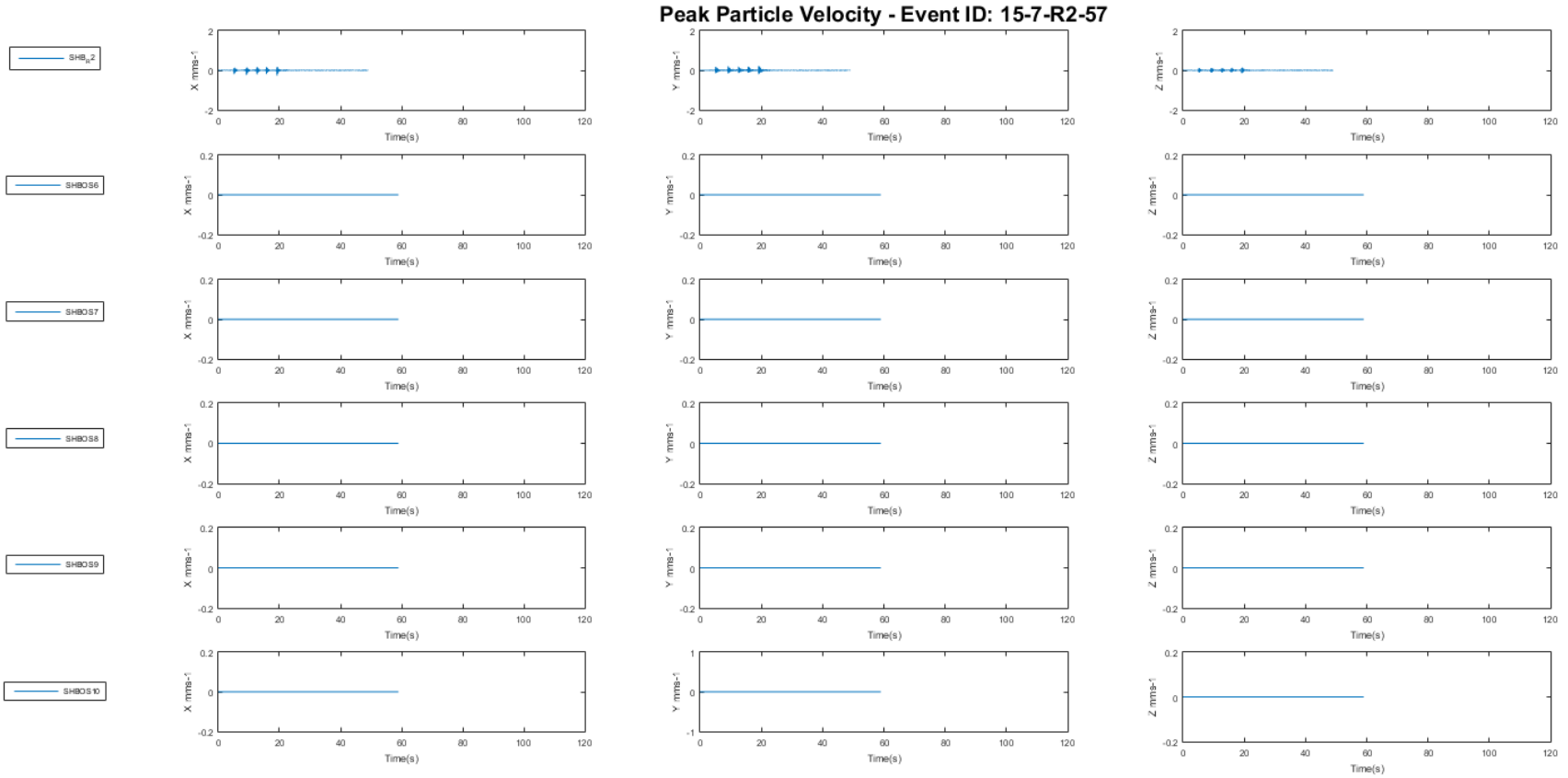


FIGURE 3.254: SHB_OS 6 - 10 15-7-R2-57

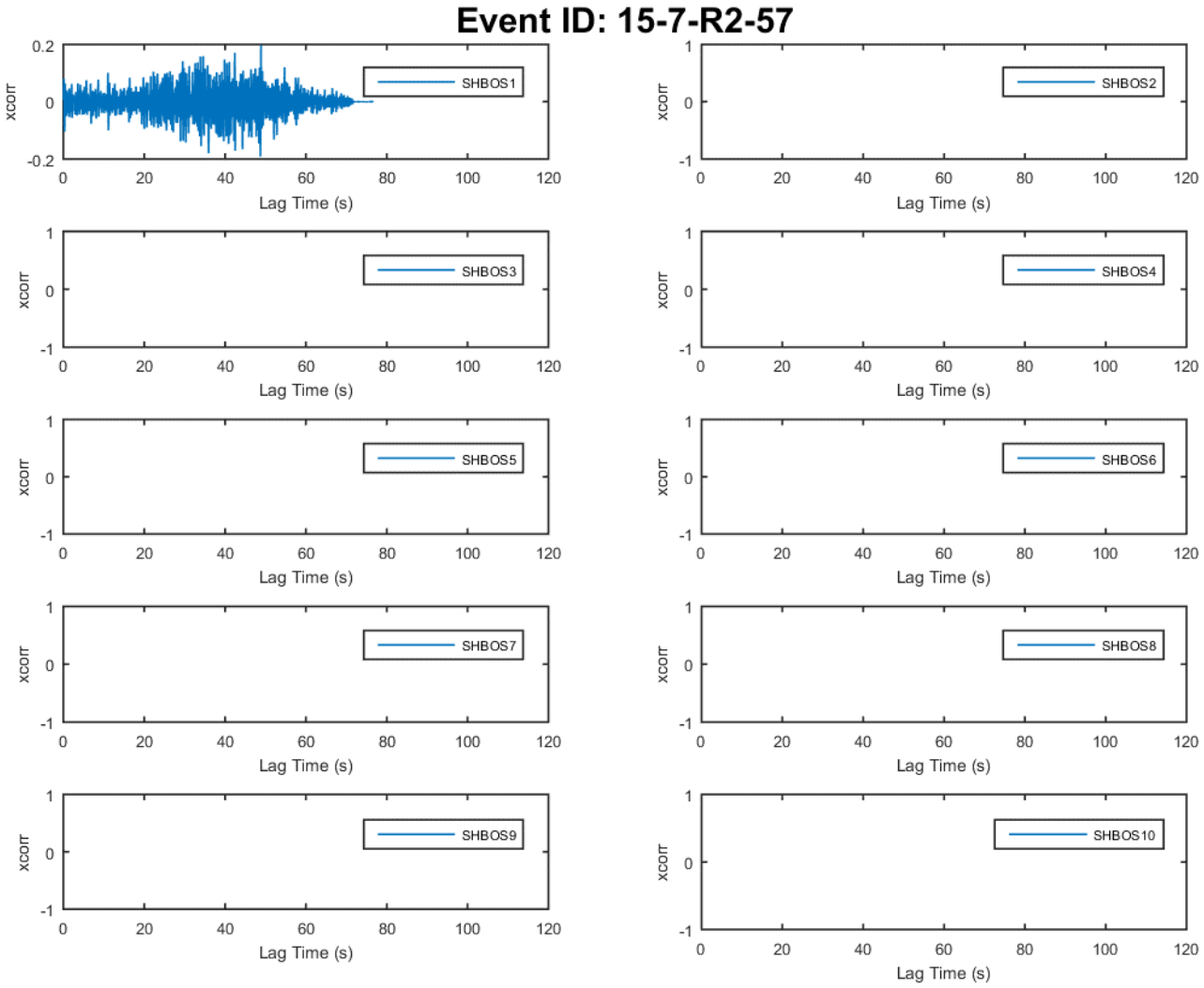


FIGURE 3.255: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-57

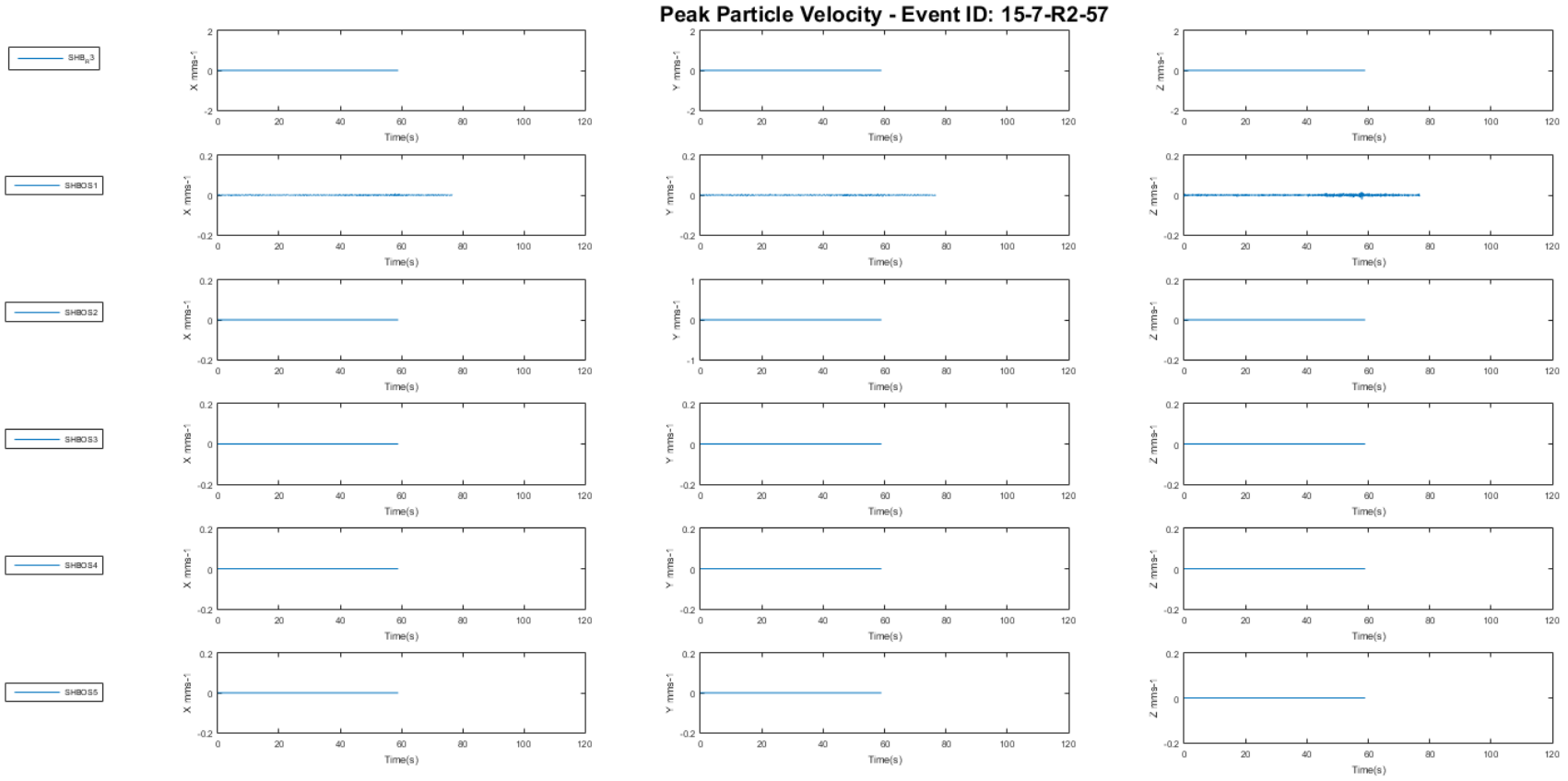


FIGURE 3.256: SHB_OS 1 - 5 15-7-R2-57

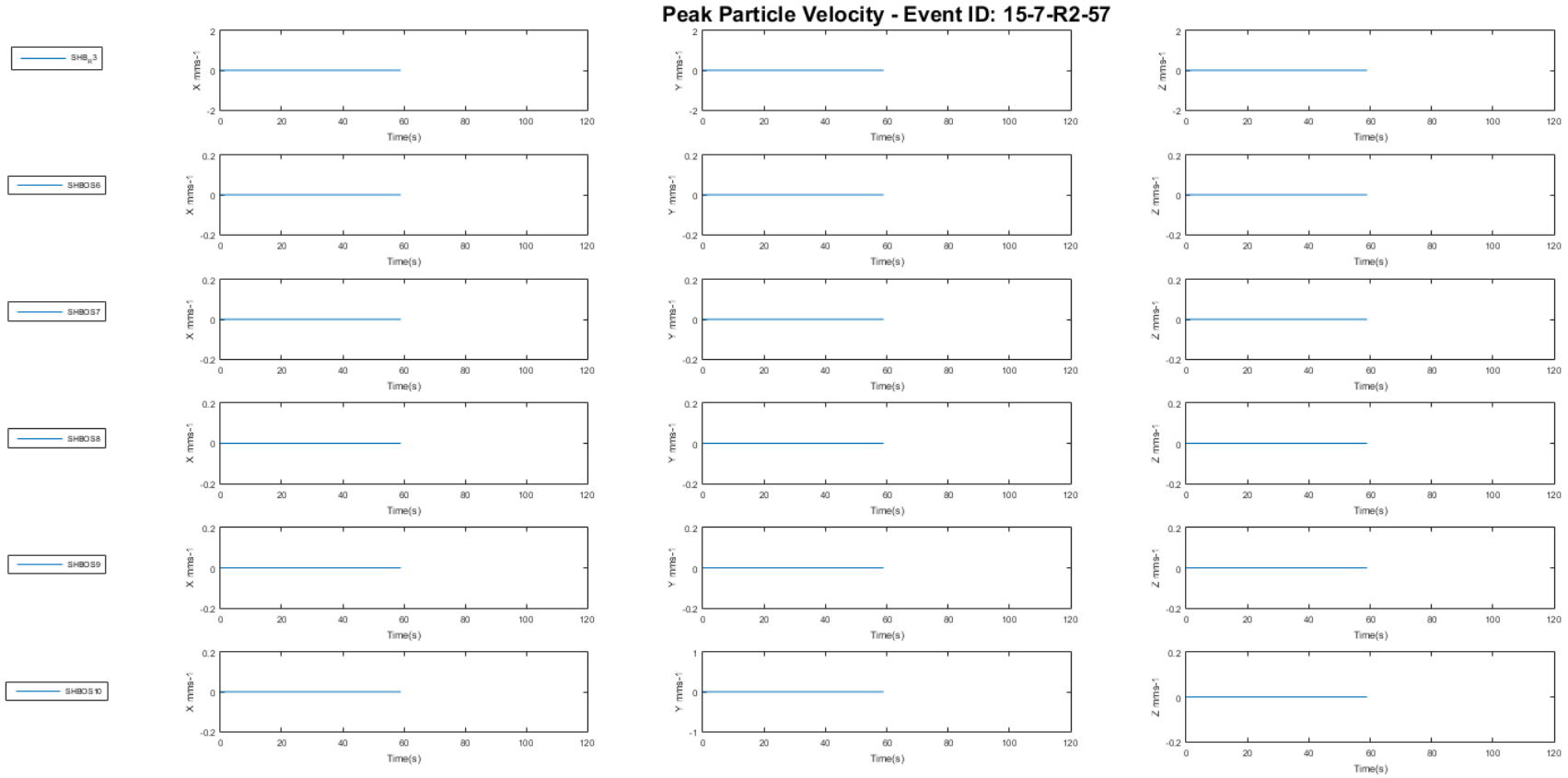


FIGURE 3.257: SHB_OS 6 - 10 15-7-R2-57

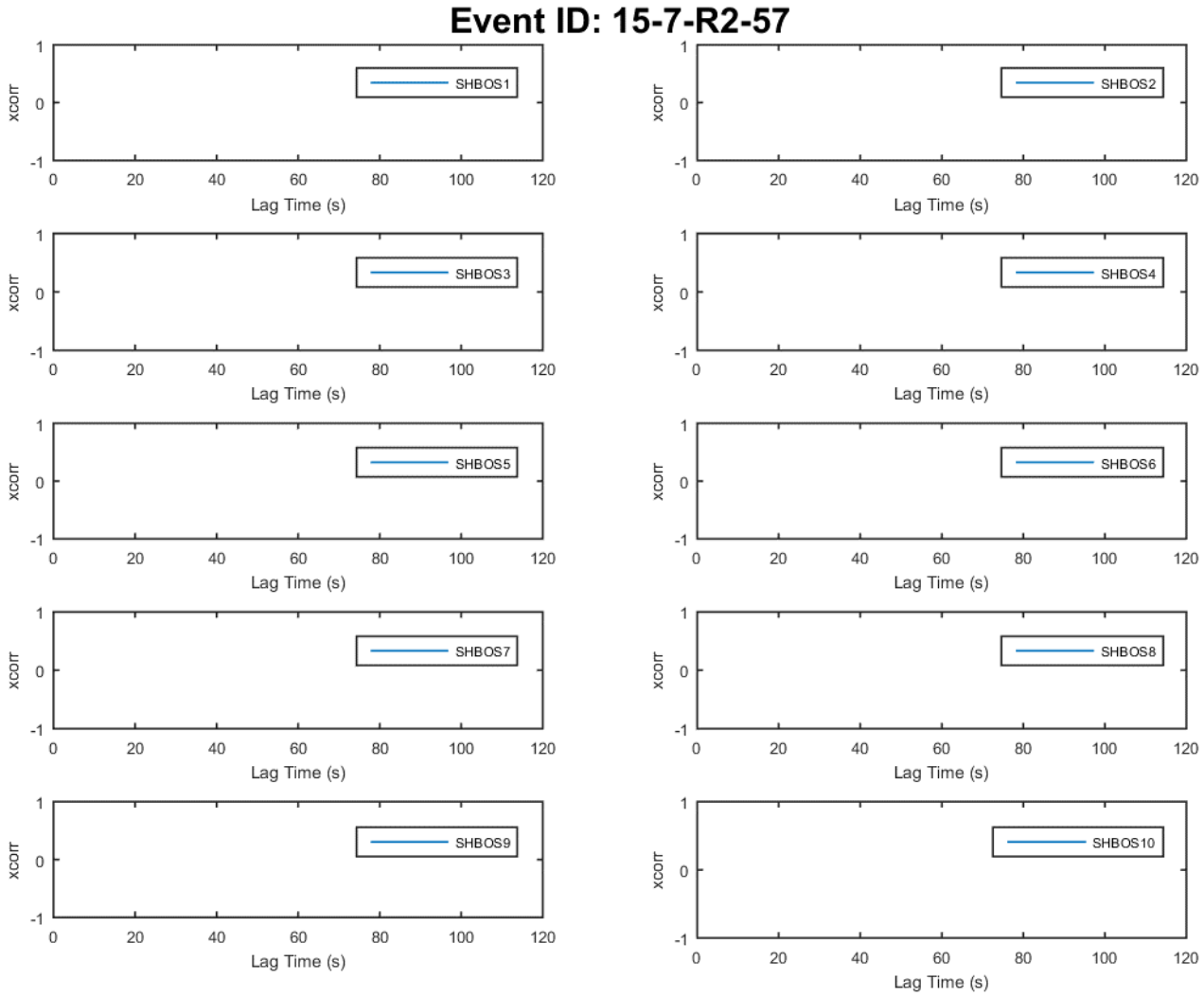


FIGURE 3.258: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-57

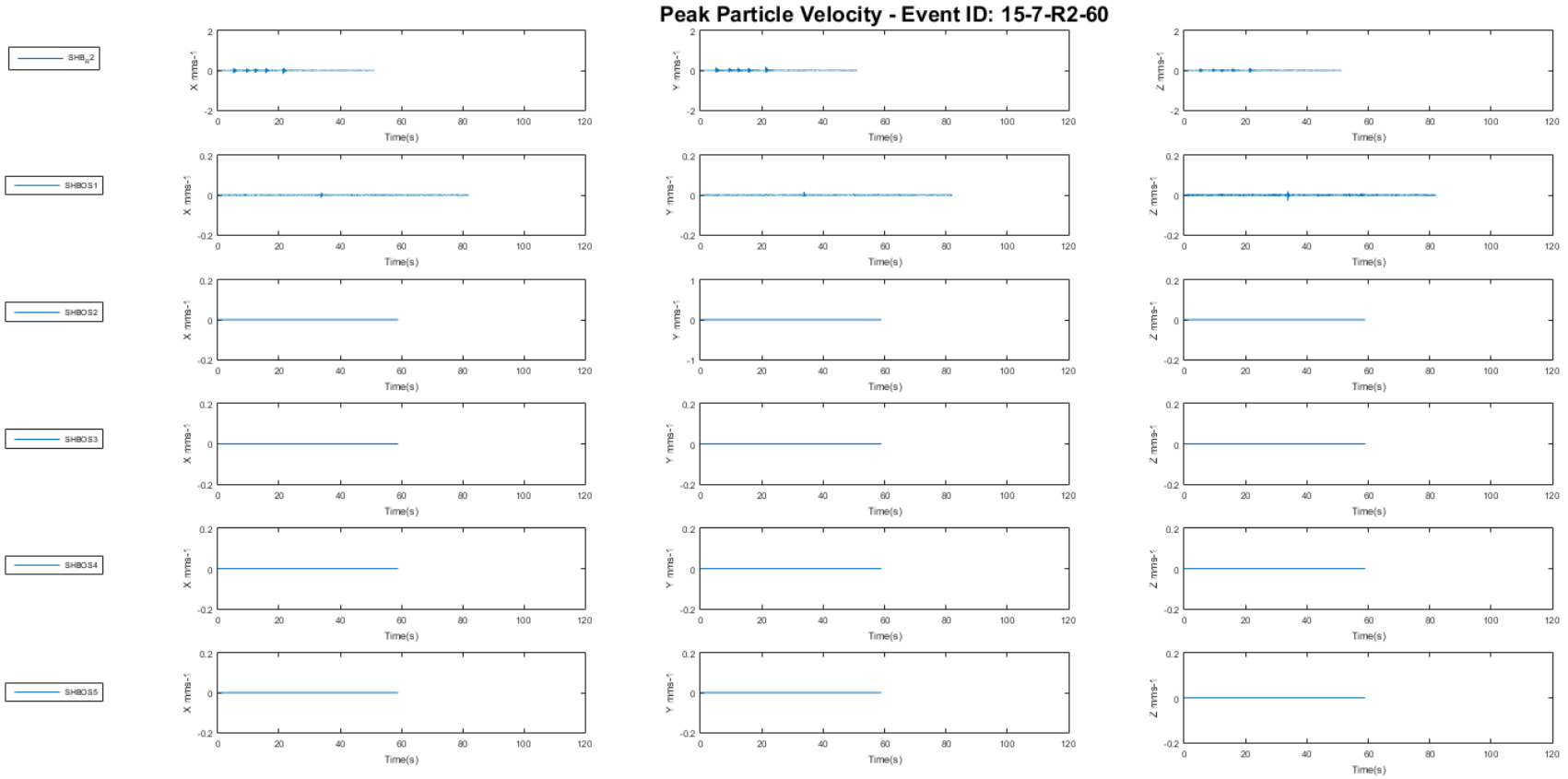


FIGURE 3.259: SHB_OS 1 - 5 15-7-R2-60

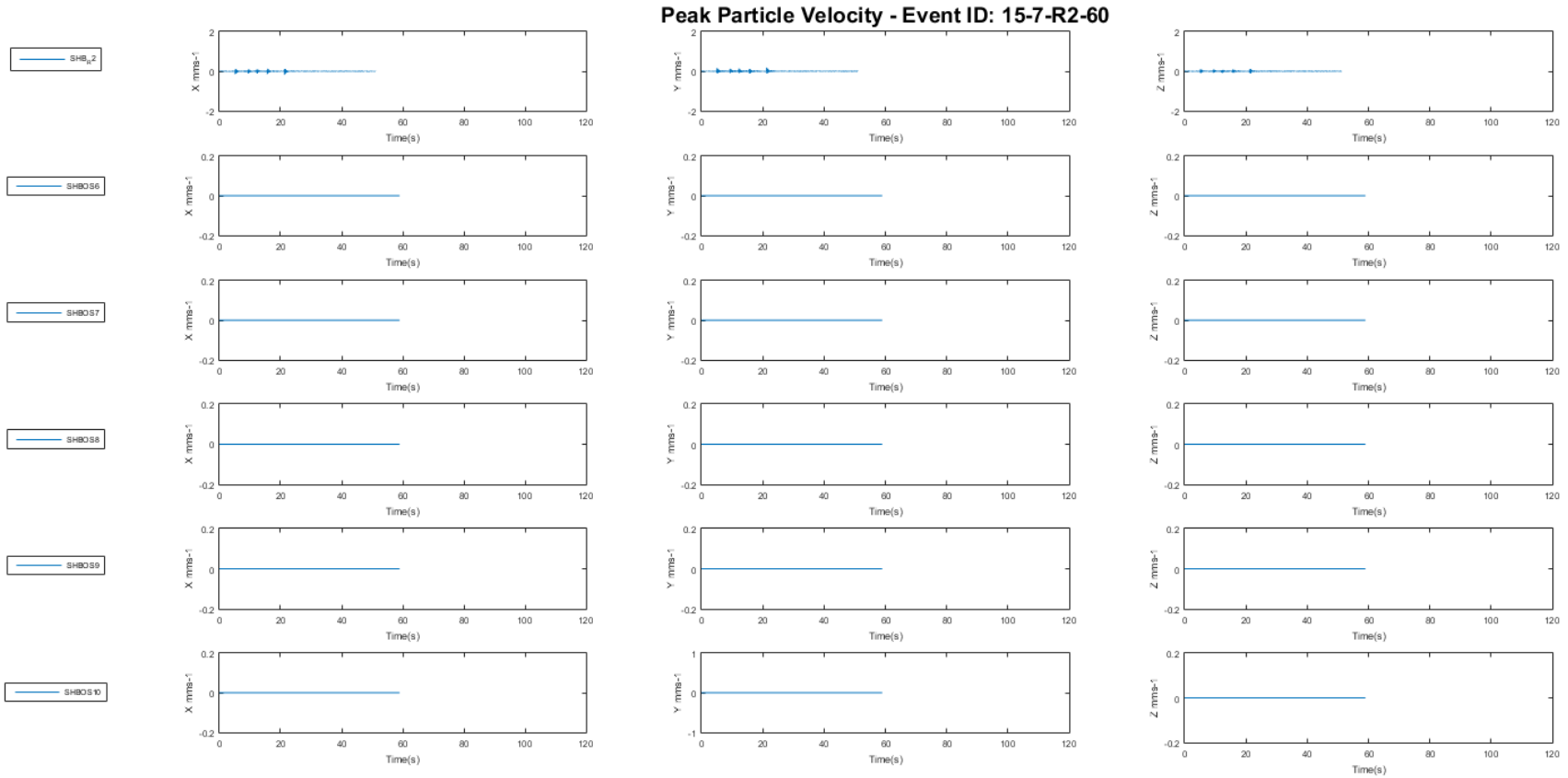


FIGURE 3.260: SHB_OS 6 - 10 15-7-R2-60

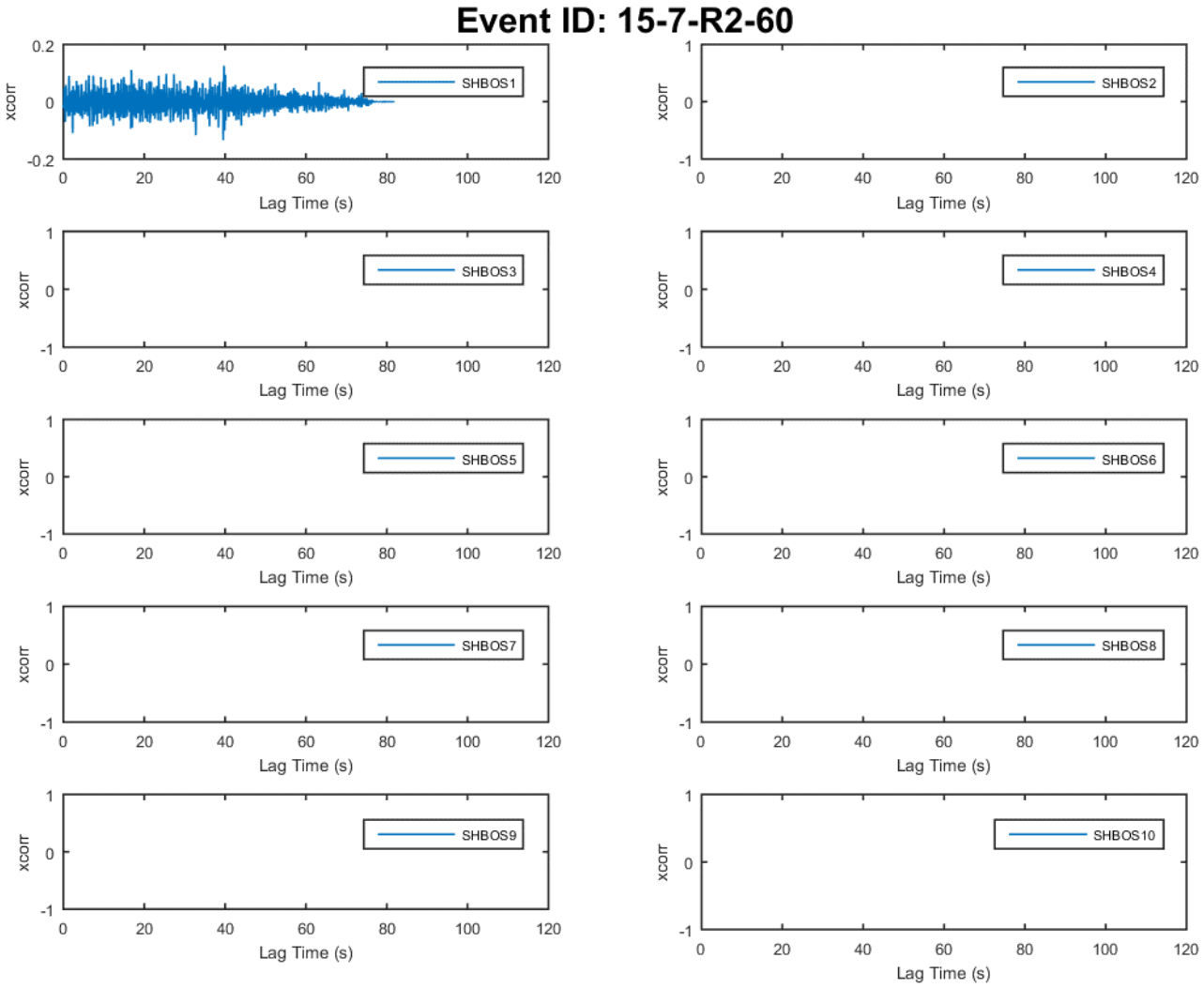


FIGURE 3.261: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-60

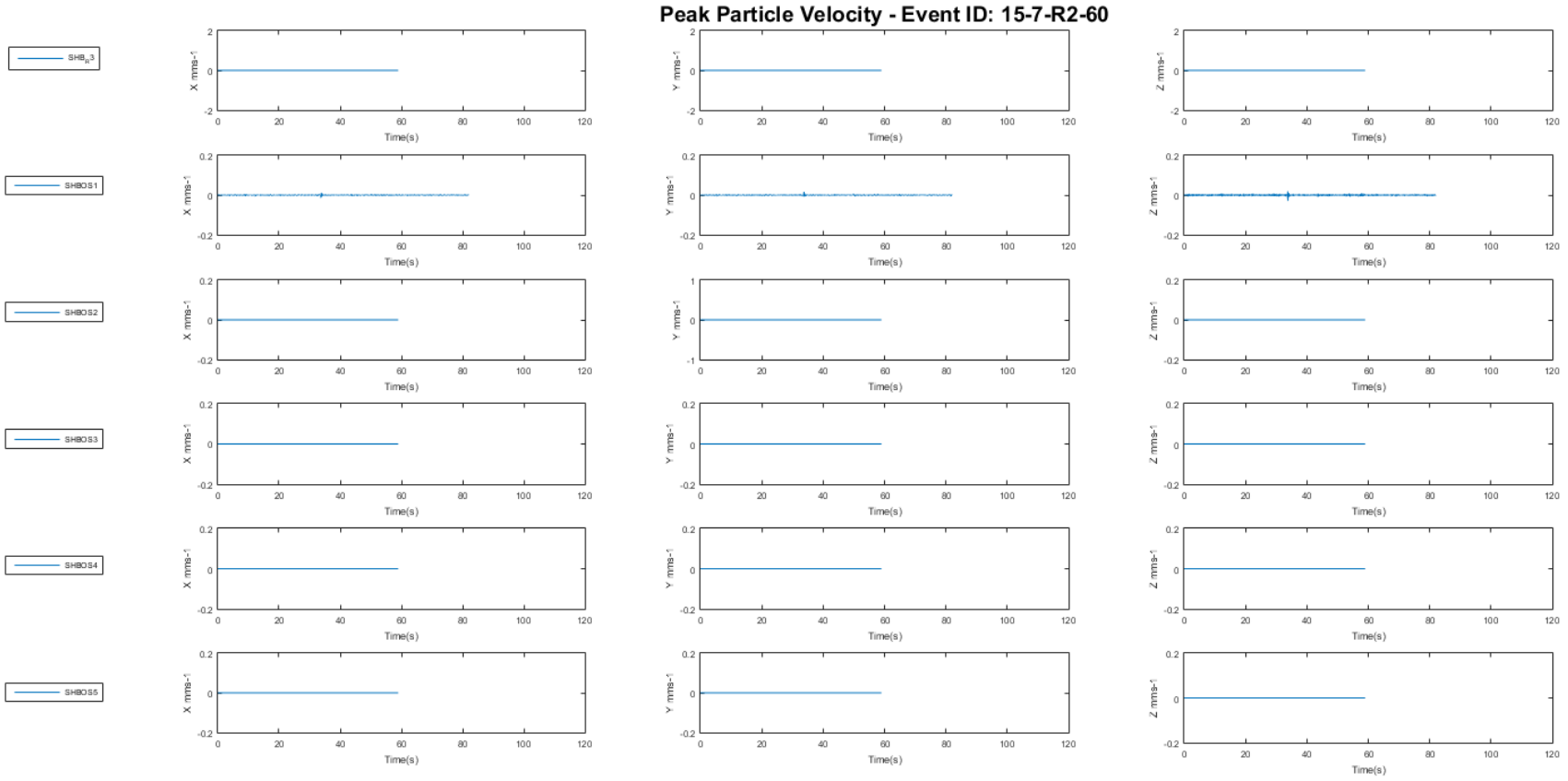


FIGURE 3.262: SHB_OS 1 - 5 15-7-R2-60

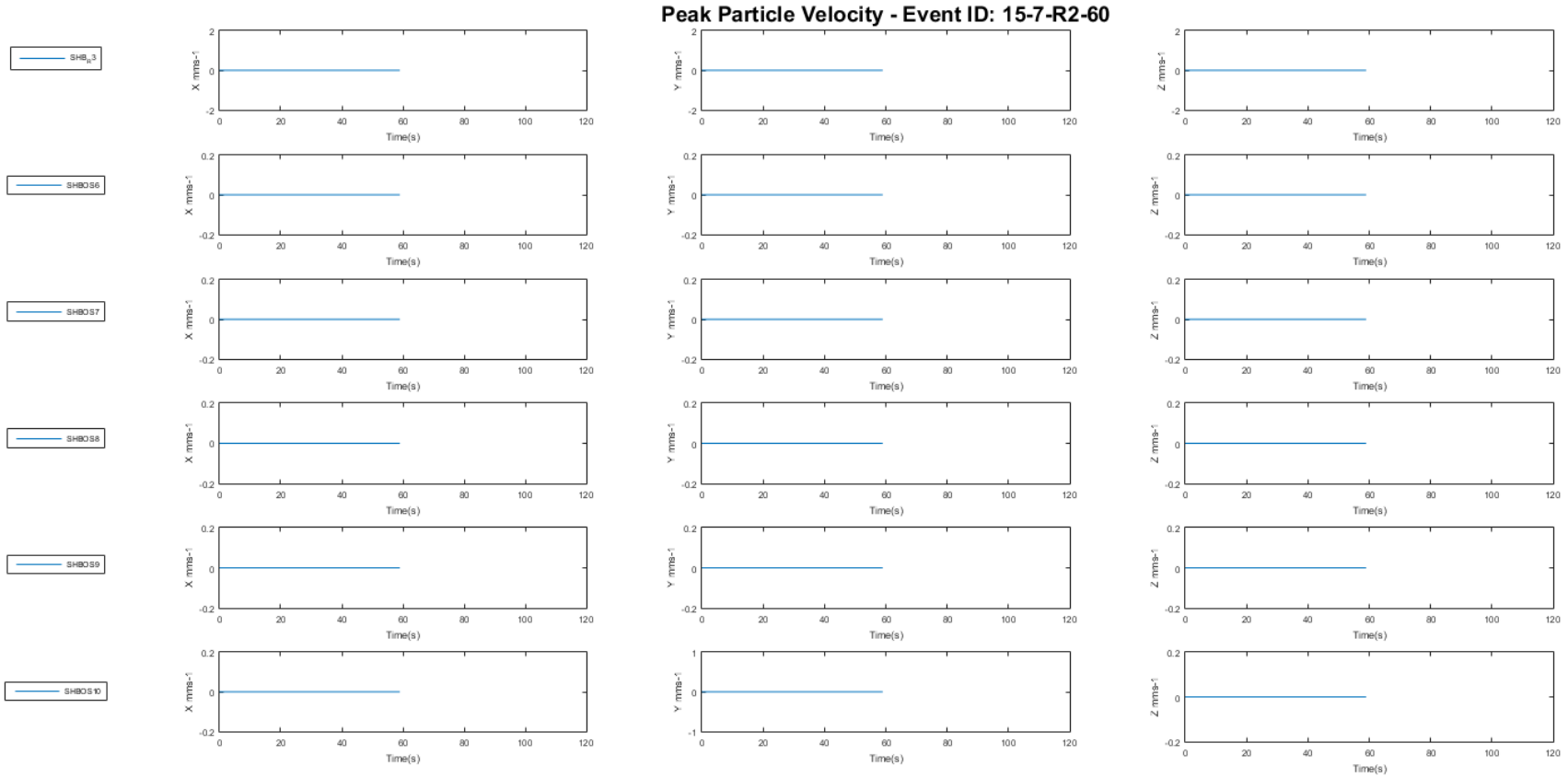


FIGURE 3.263: SHB_OS 6 - 10 15-7-R2-60

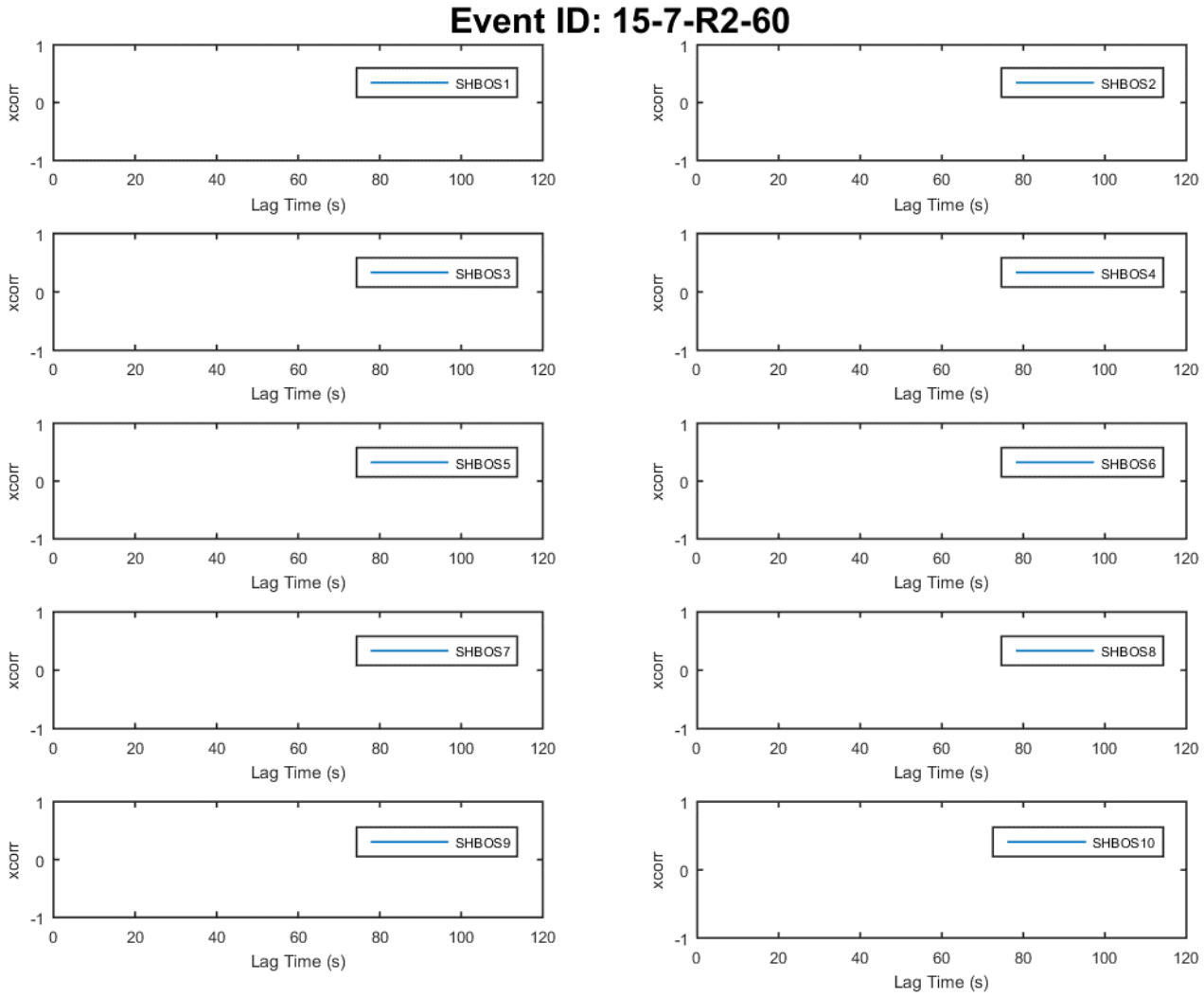


FIGURE 3.264: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-60

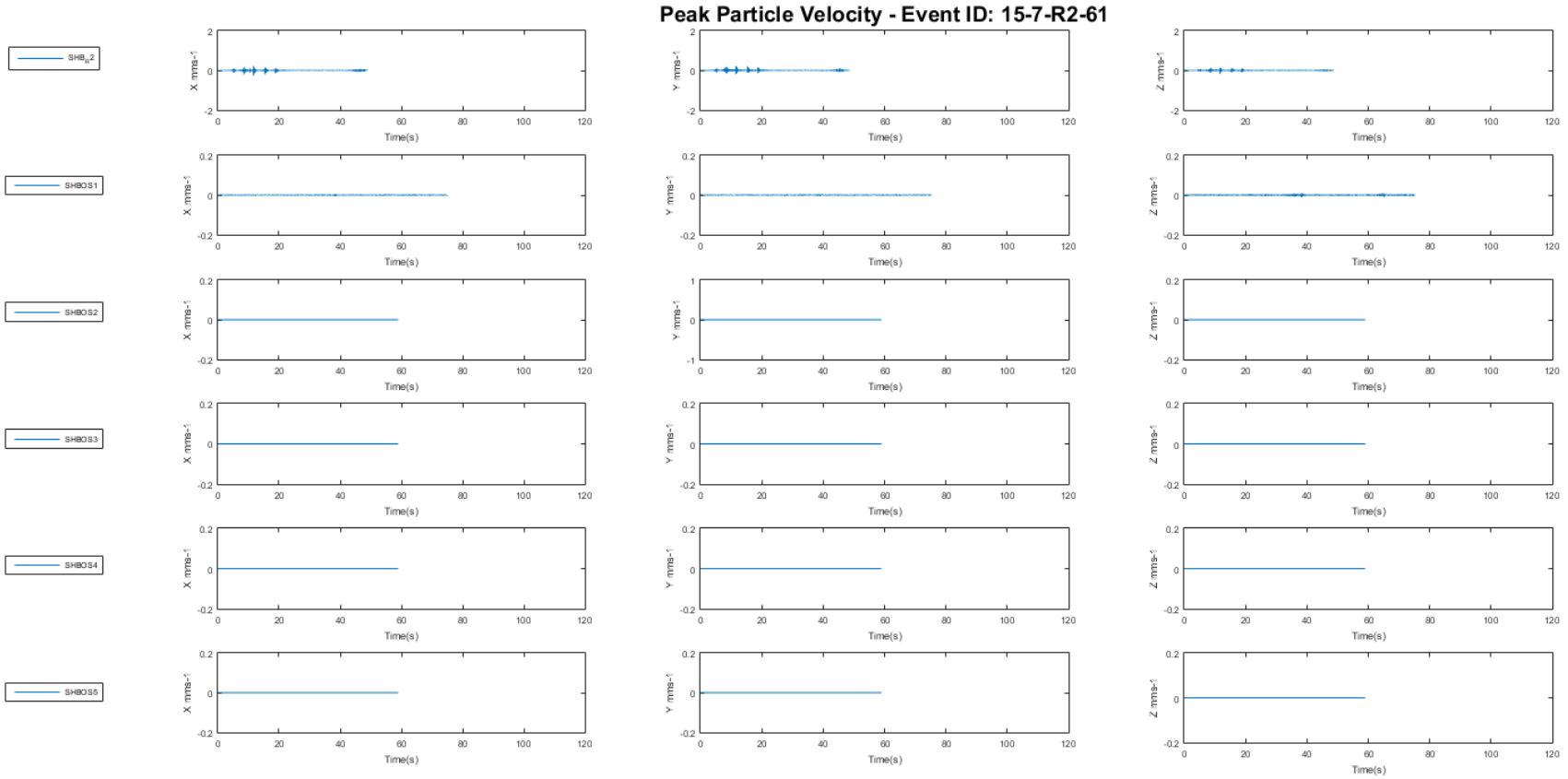


FIGURE 3.265: SHB_OS 1 - 5 15-7-R2-61

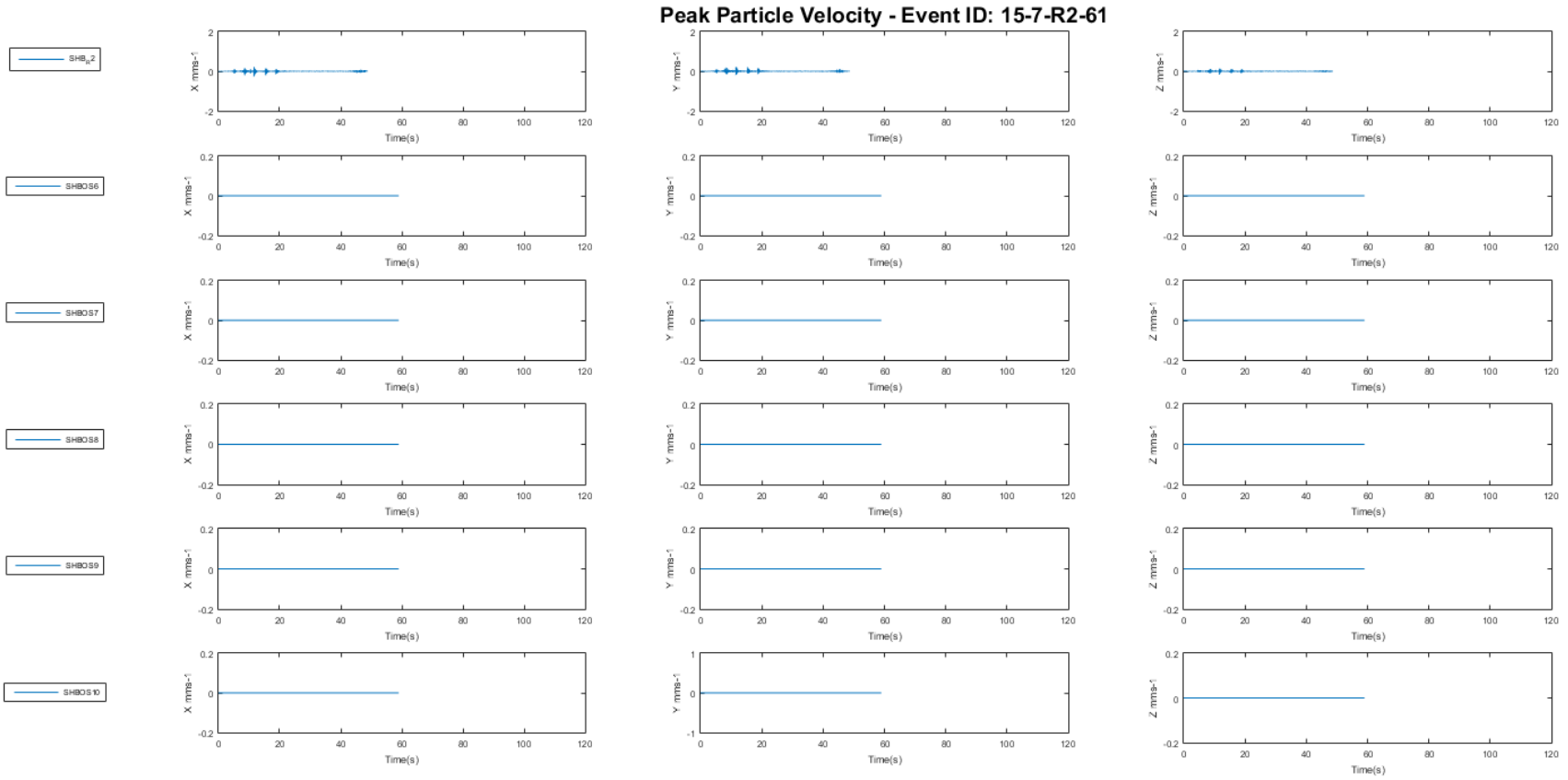


FIGURE 3.266: SHB_OS 6 - 10 15-7-R2-61

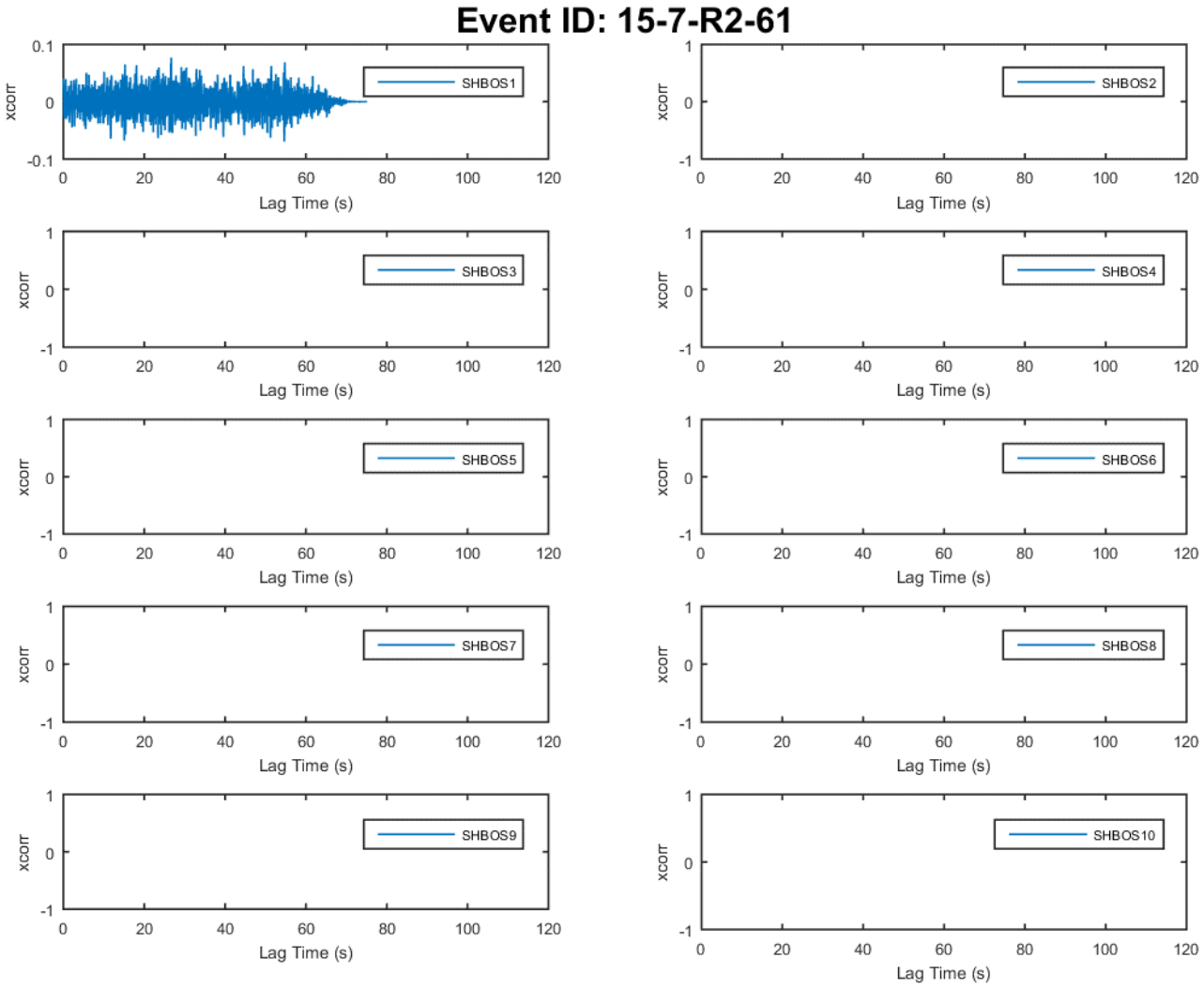


FIGURE 3.267: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-61

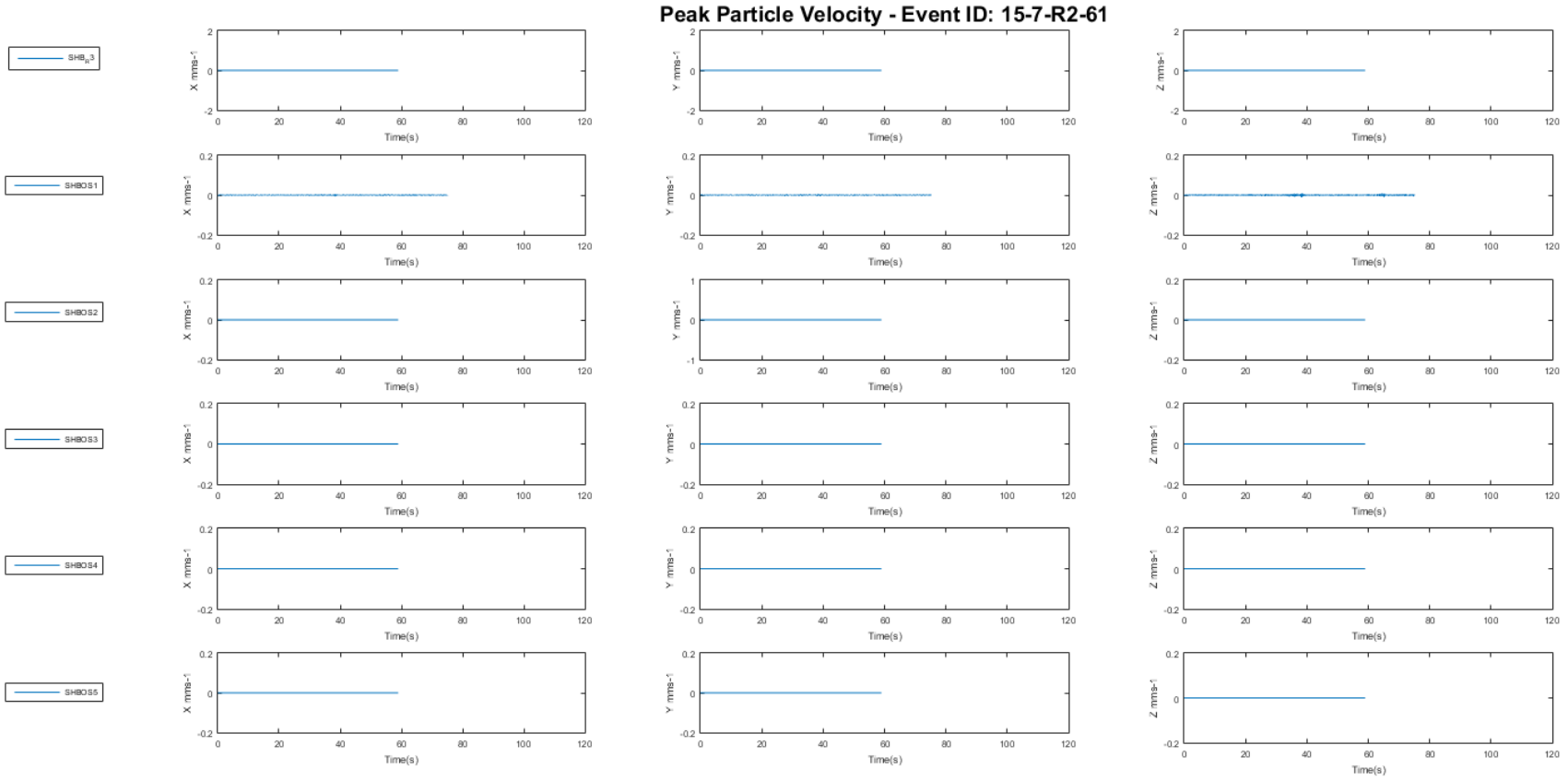


FIGURE 3.268: SHB_OS 1 - 5 15-7-R2-61

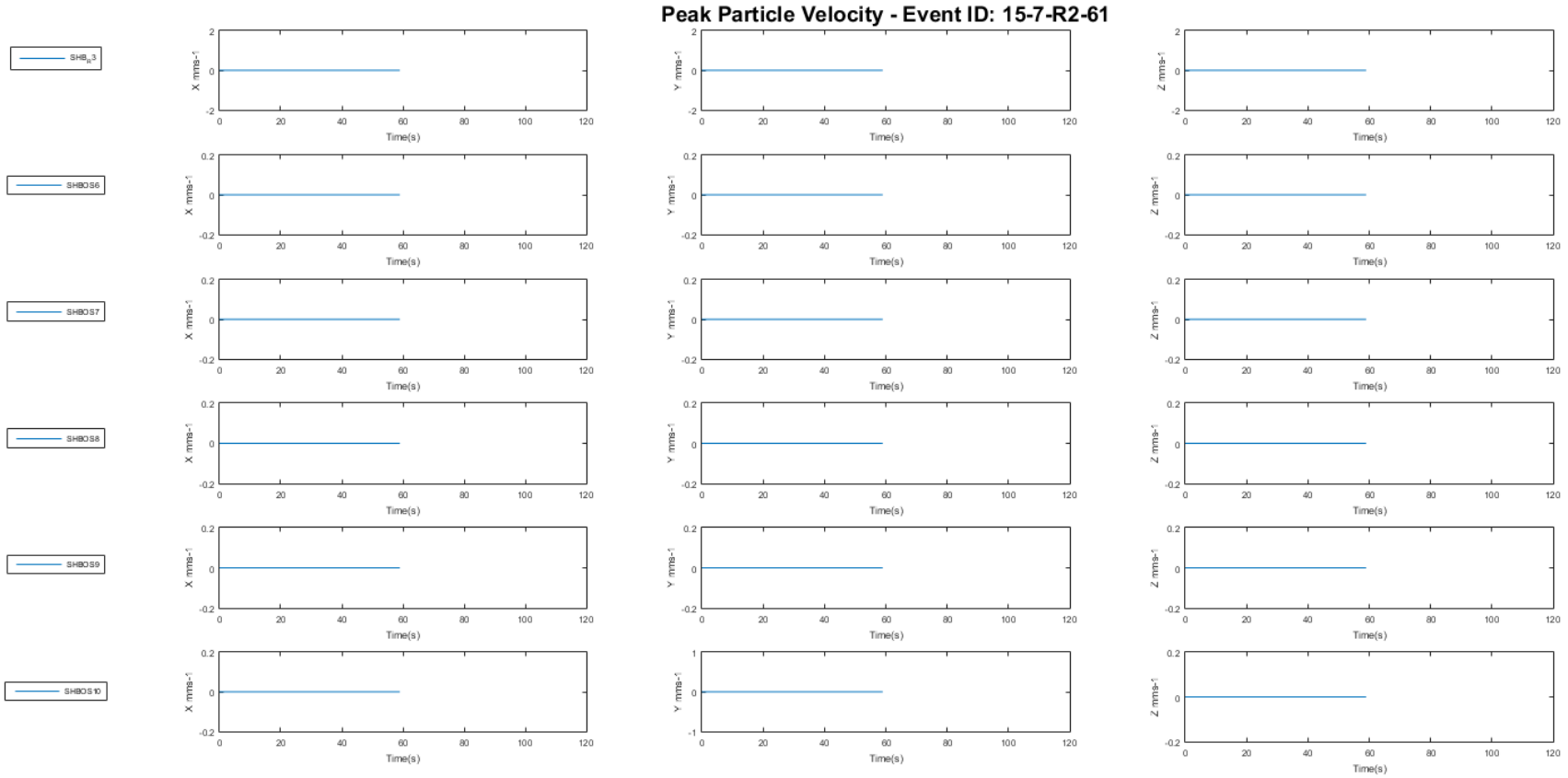


FIGURE 3.269: SHB_OS 6 - 10 15-7-R2-61

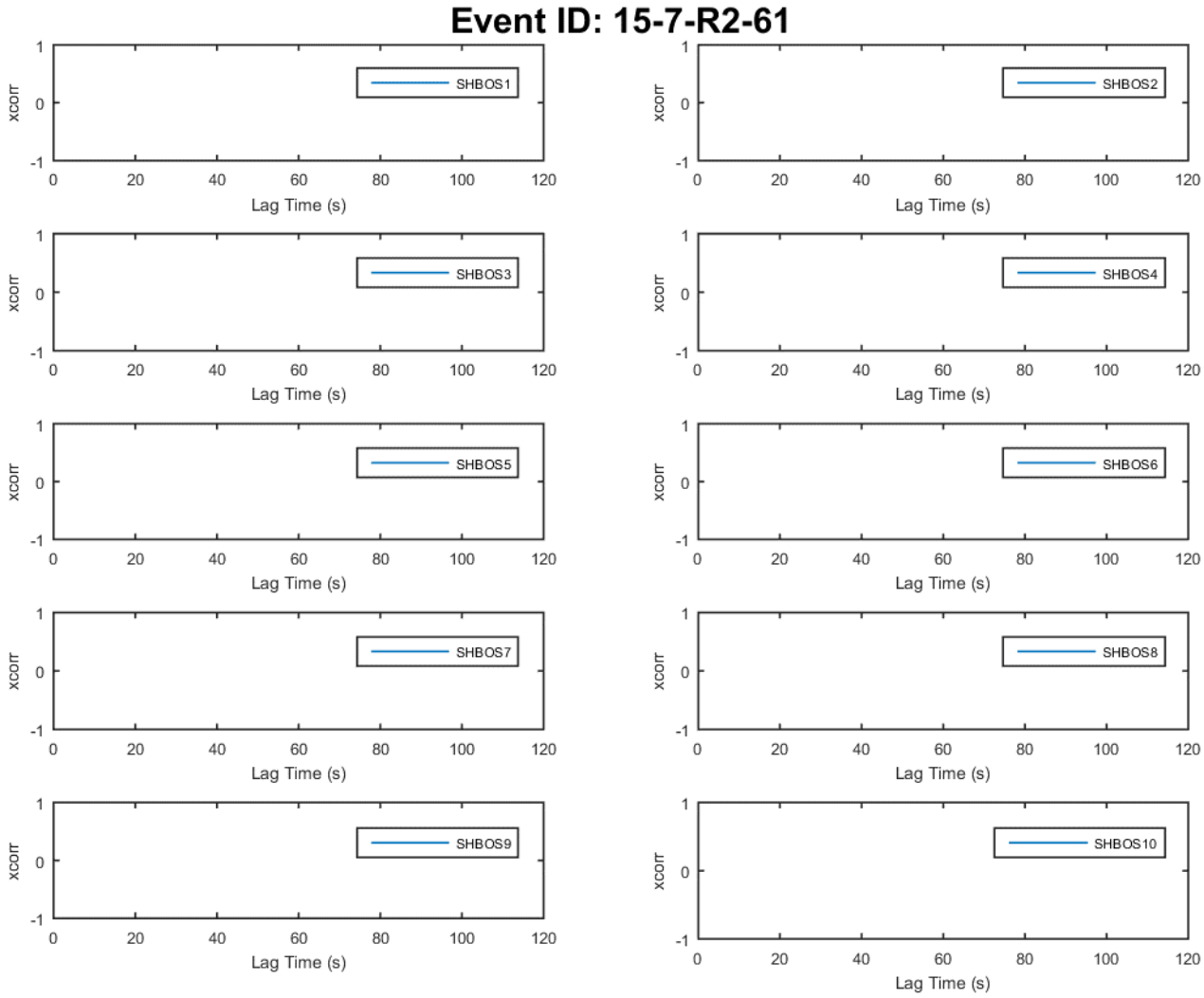


FIGURE 3.270: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-61

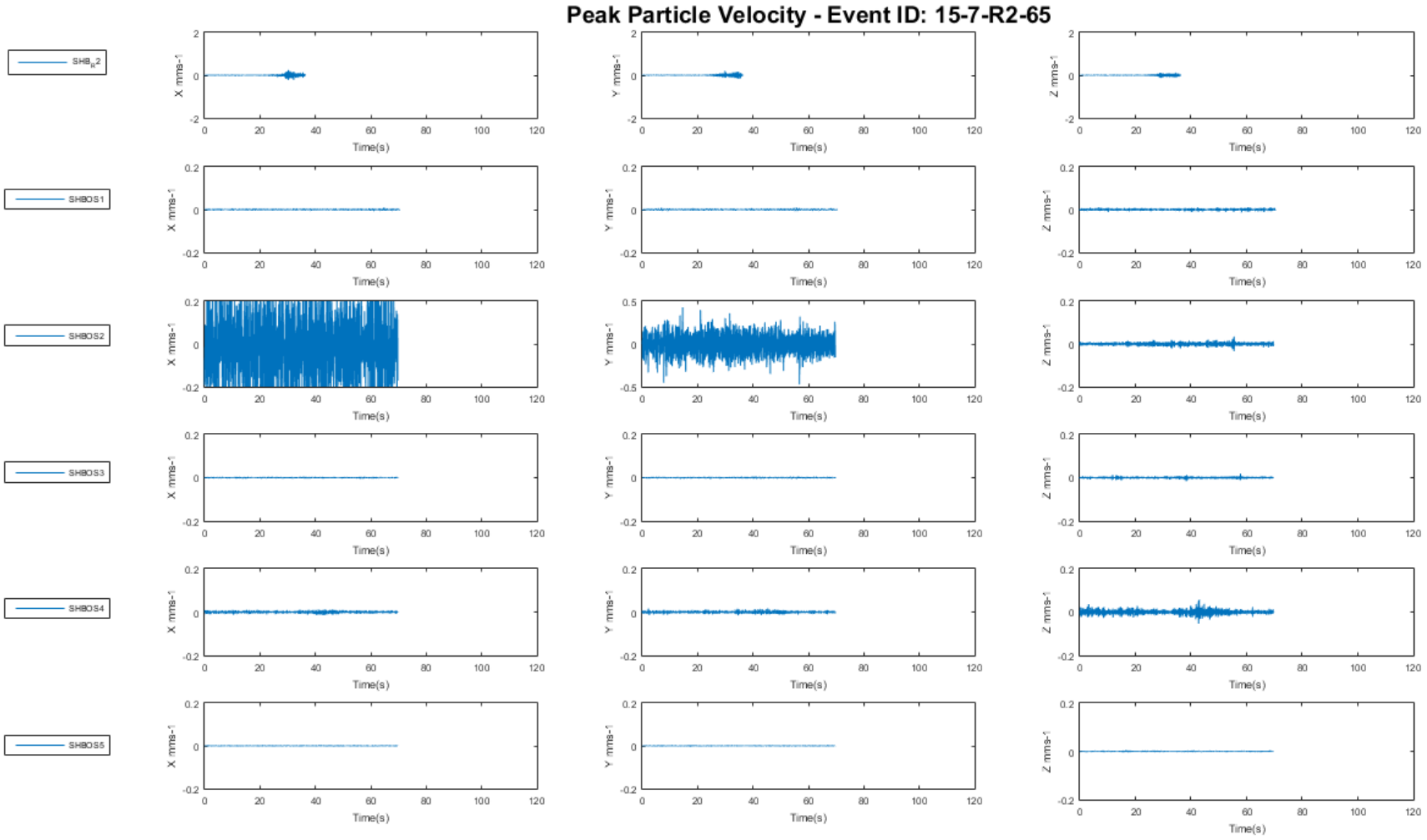


FIGURE 3.271: SHB_OS 1 - 5 15-7-R2-65

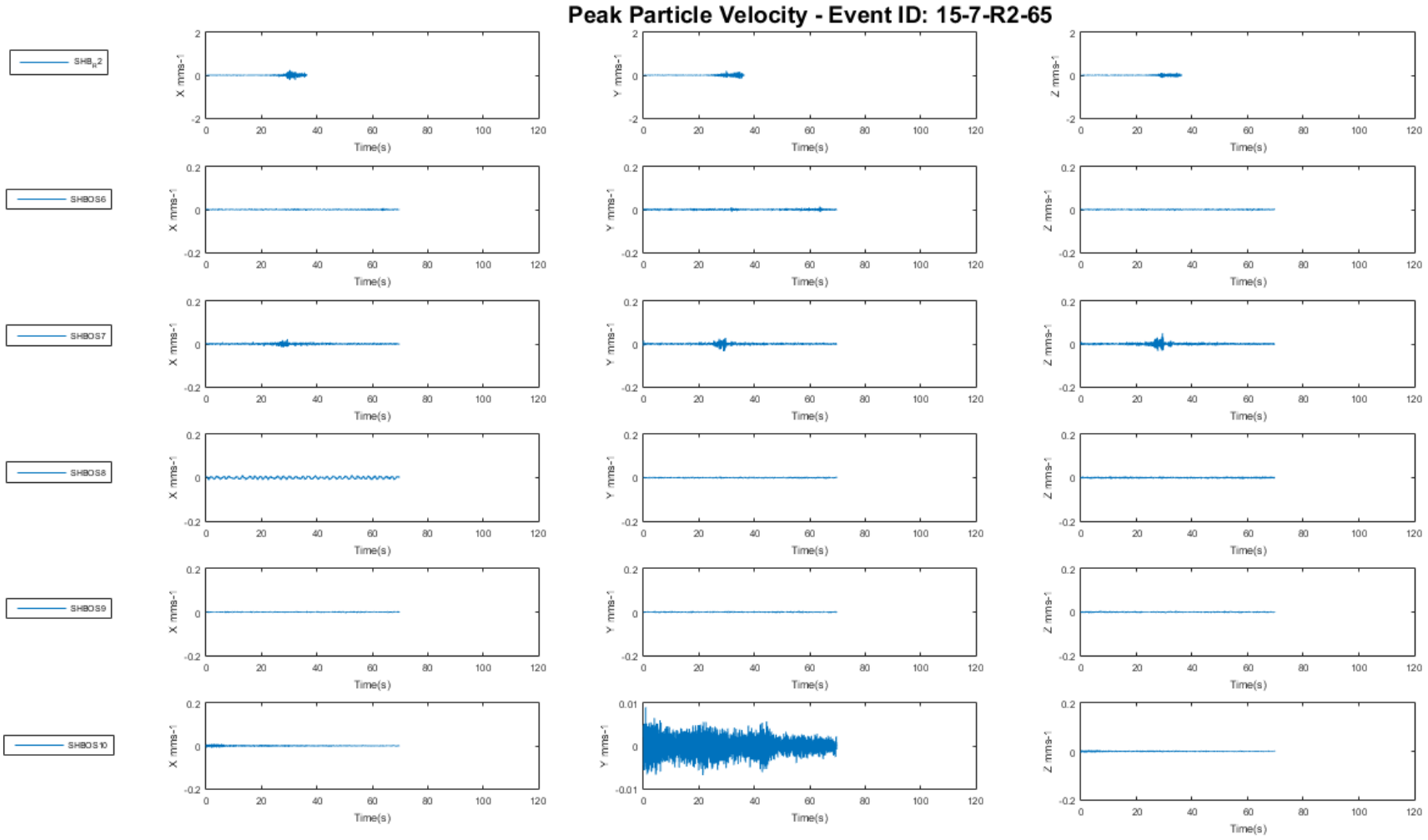


FIGURE 3.272: SHB_OS 6 - 10 15-7-R2-65

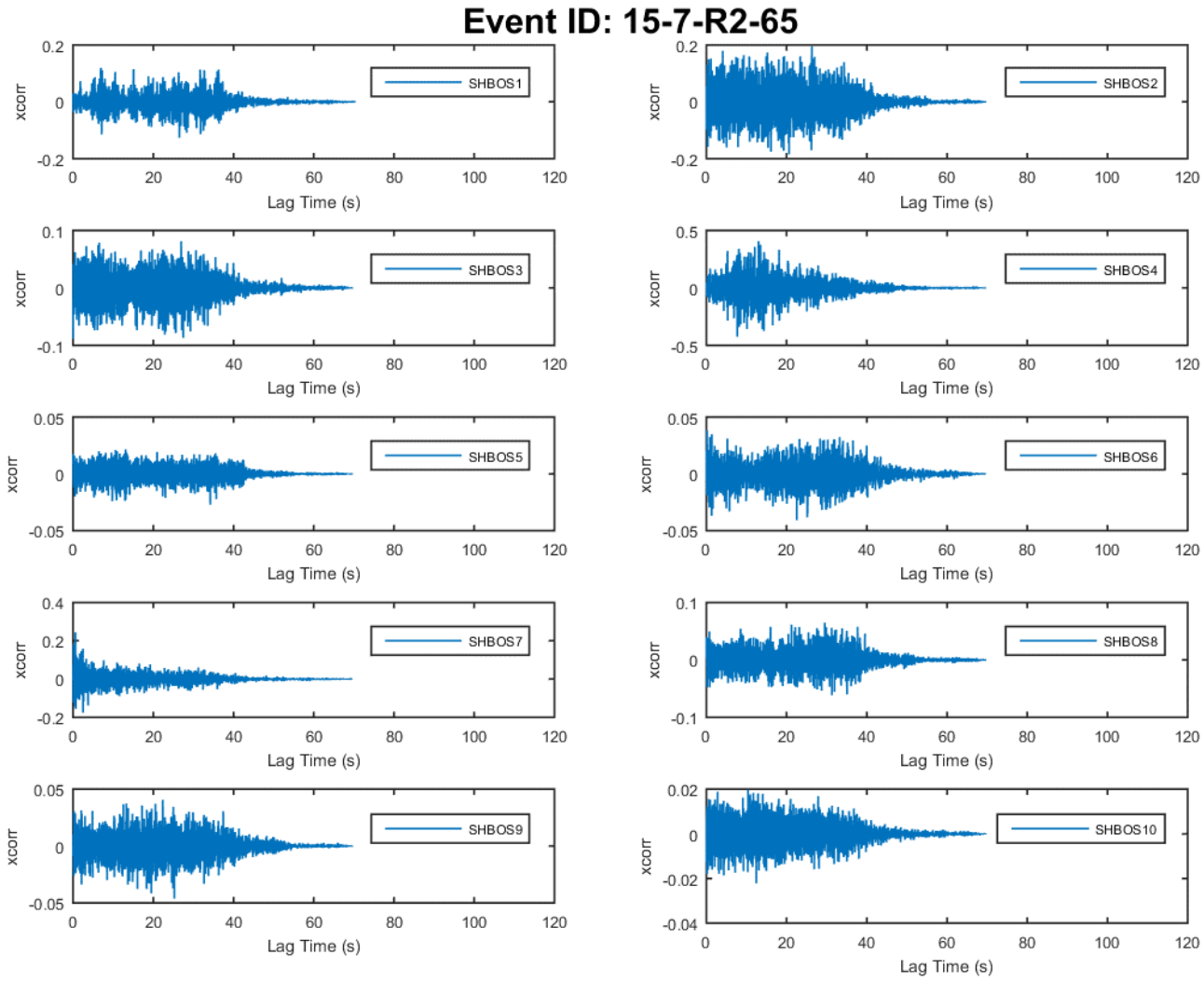


FIGURE 3.273: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-65

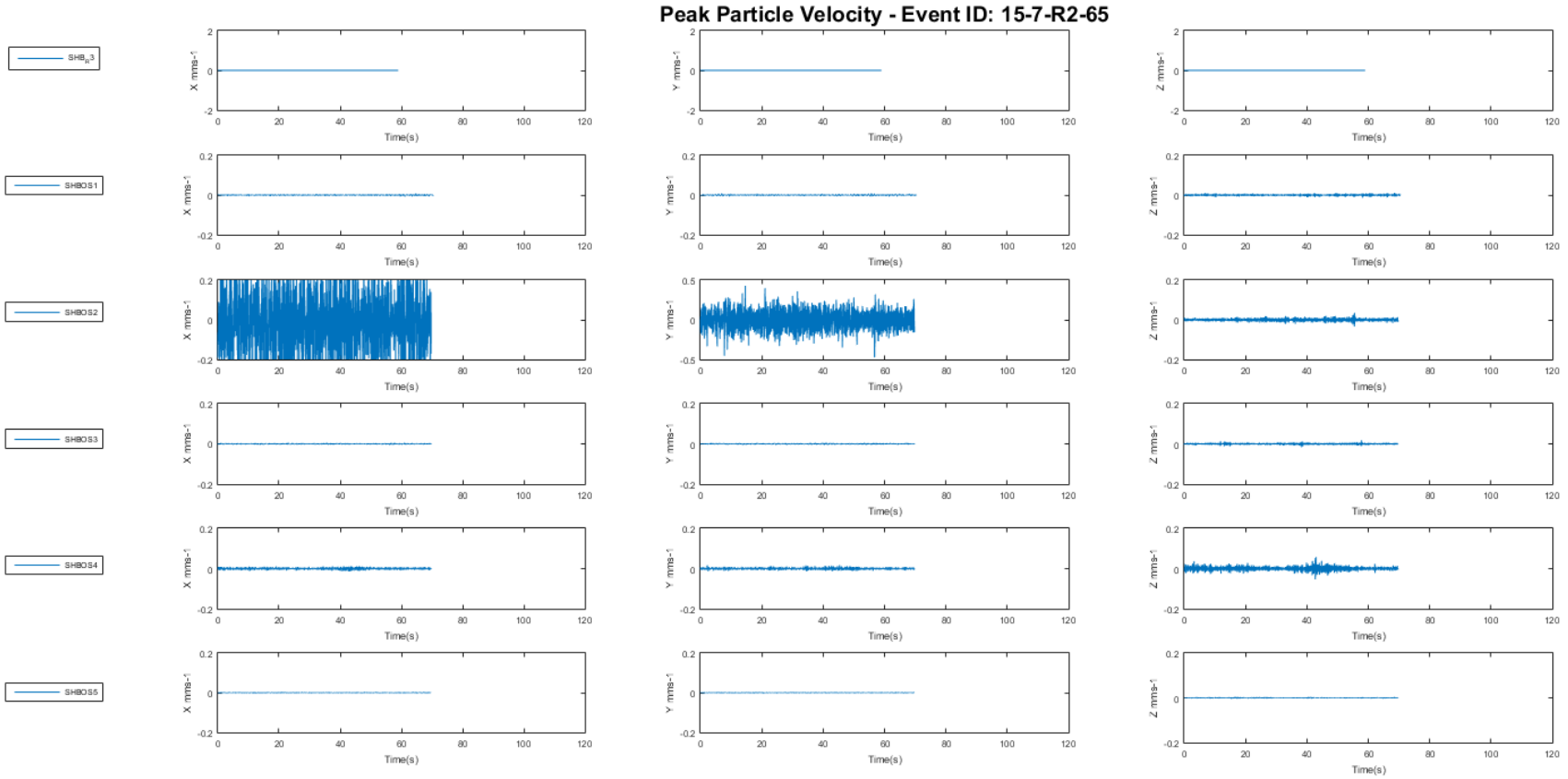


FIGURE 3.274: SHB_OS 1 - 5 15-7-R2-65

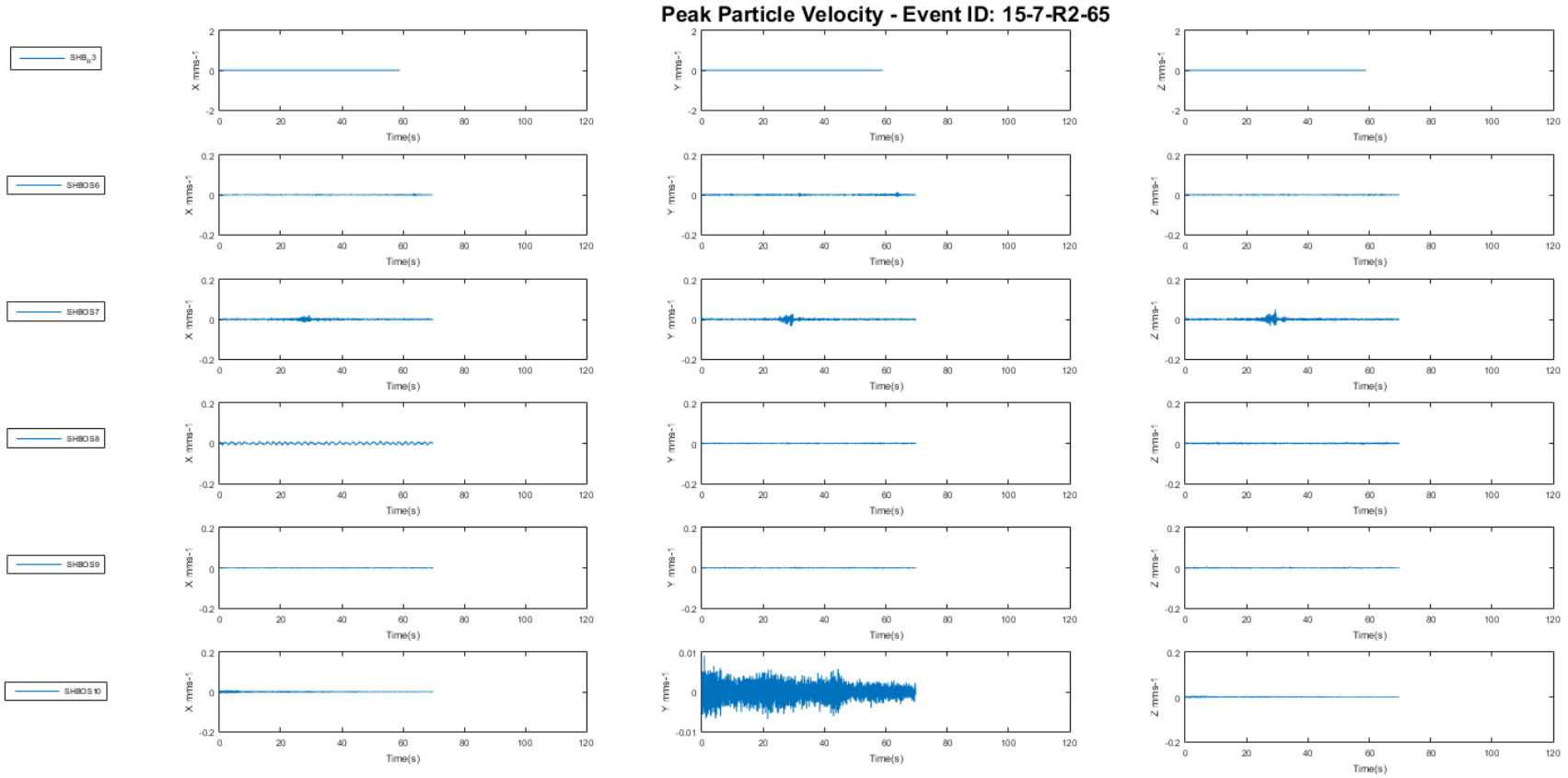


FIGURE 3.275: SHB_OS 6 - 10 15-7-R2-65

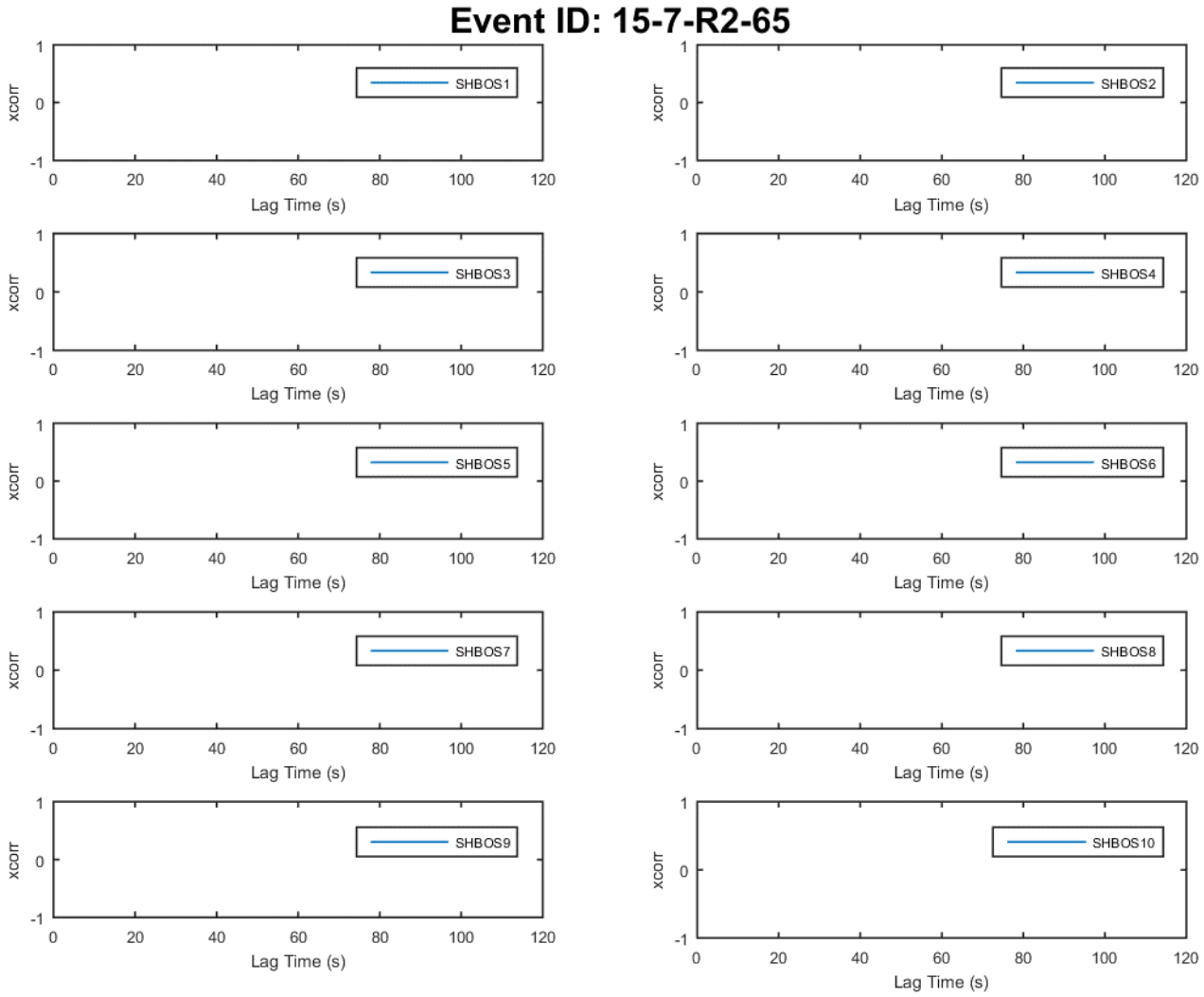


FIGURE 3.276: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-65

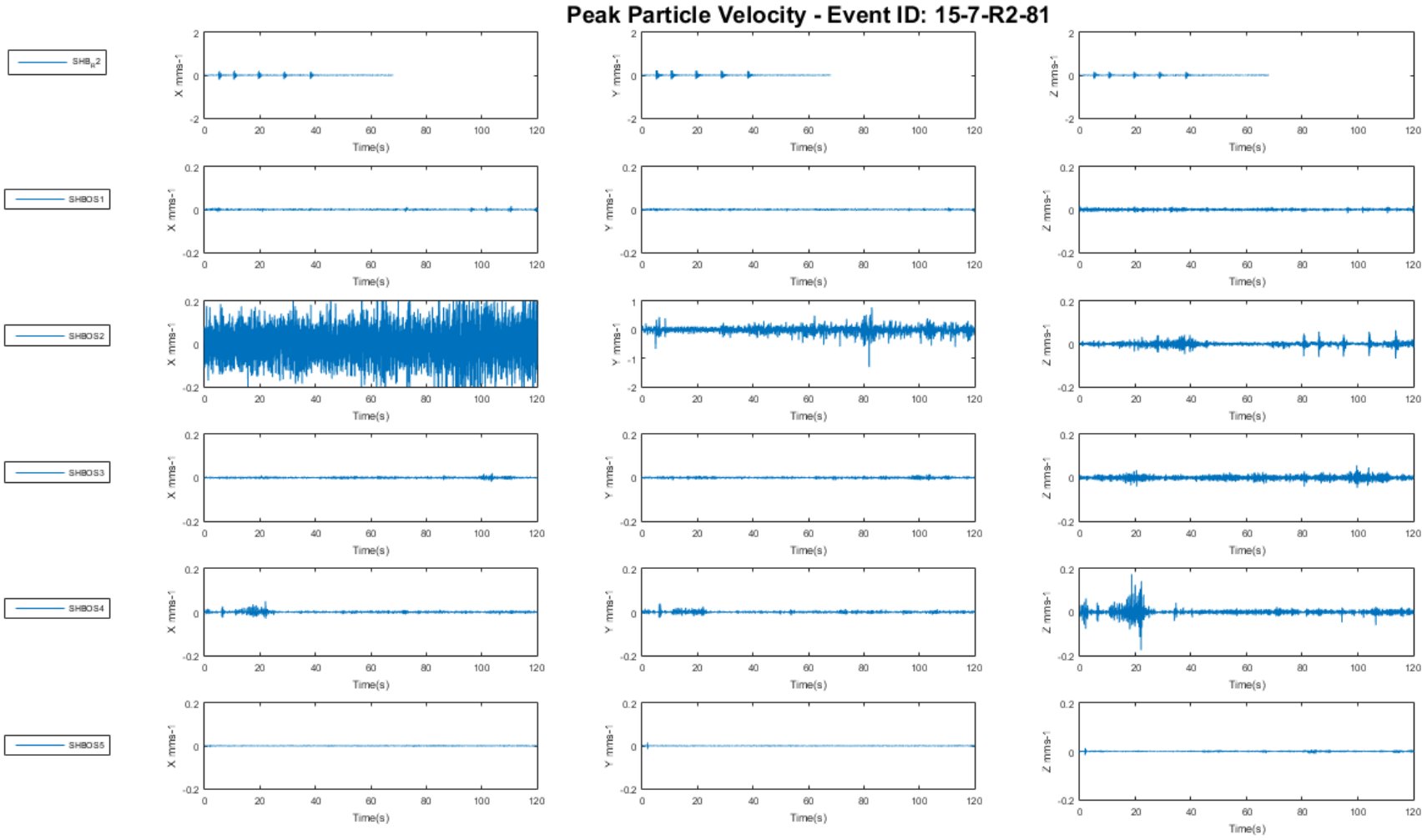


FIGURE 3.277: SHB_OS 1 - 5 15-7-R2-81

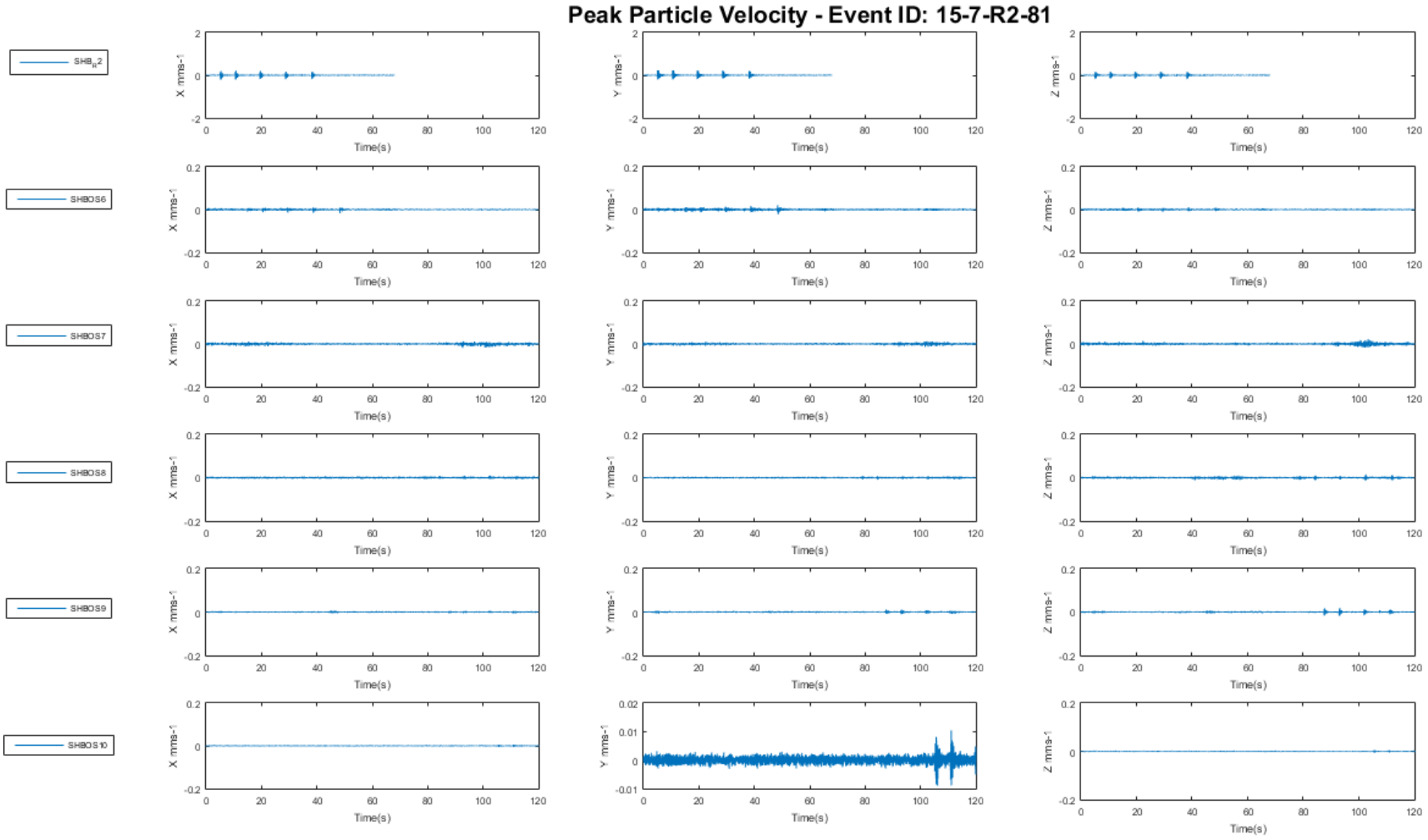


FIGURE 3.278: SHB_OS 6 - 10 15-7-R2-81

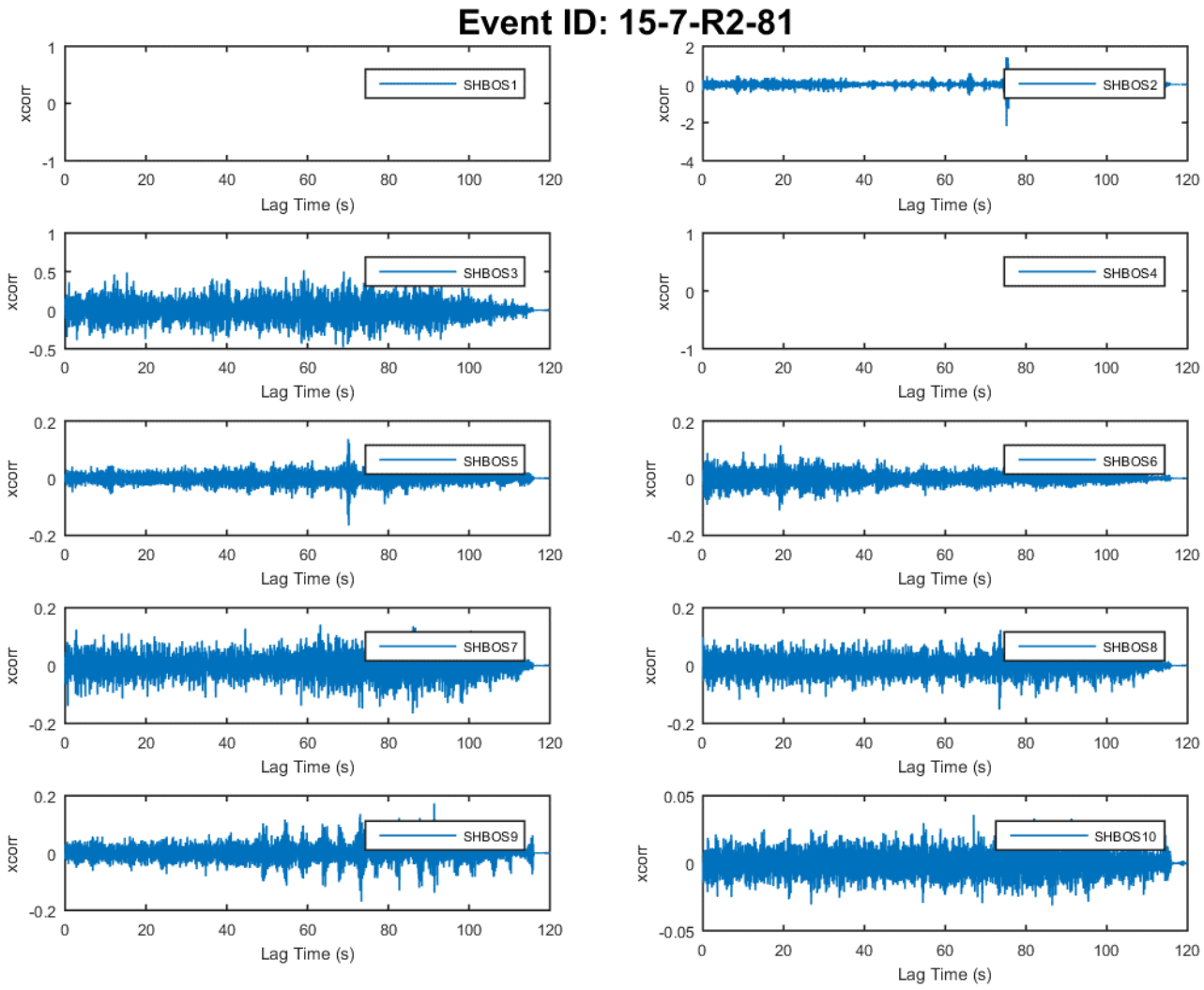


FIGURE 3.279: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-81

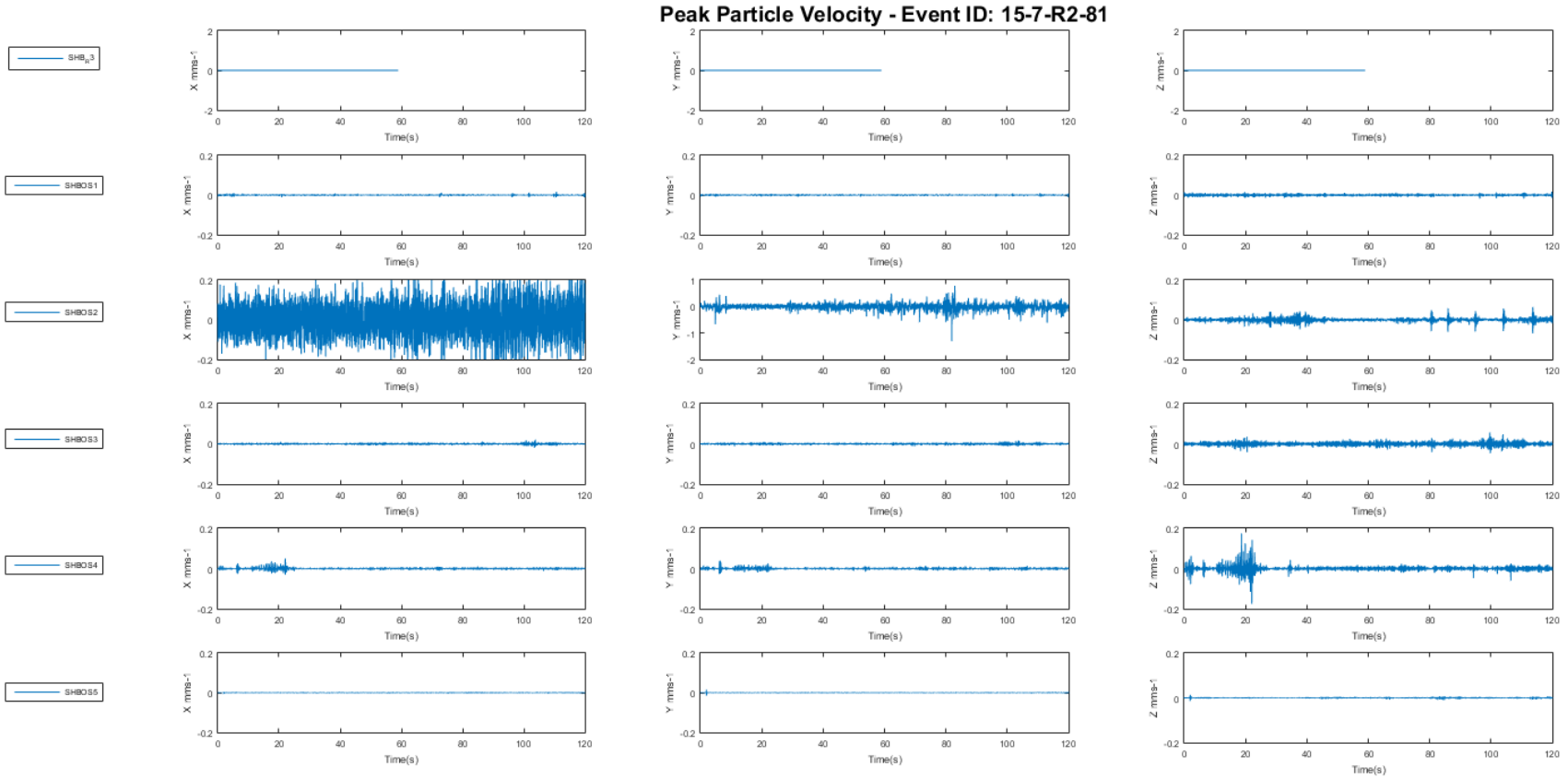


FIGURE 3.280: SHB_OS 1 - 5 15-7-R2-81

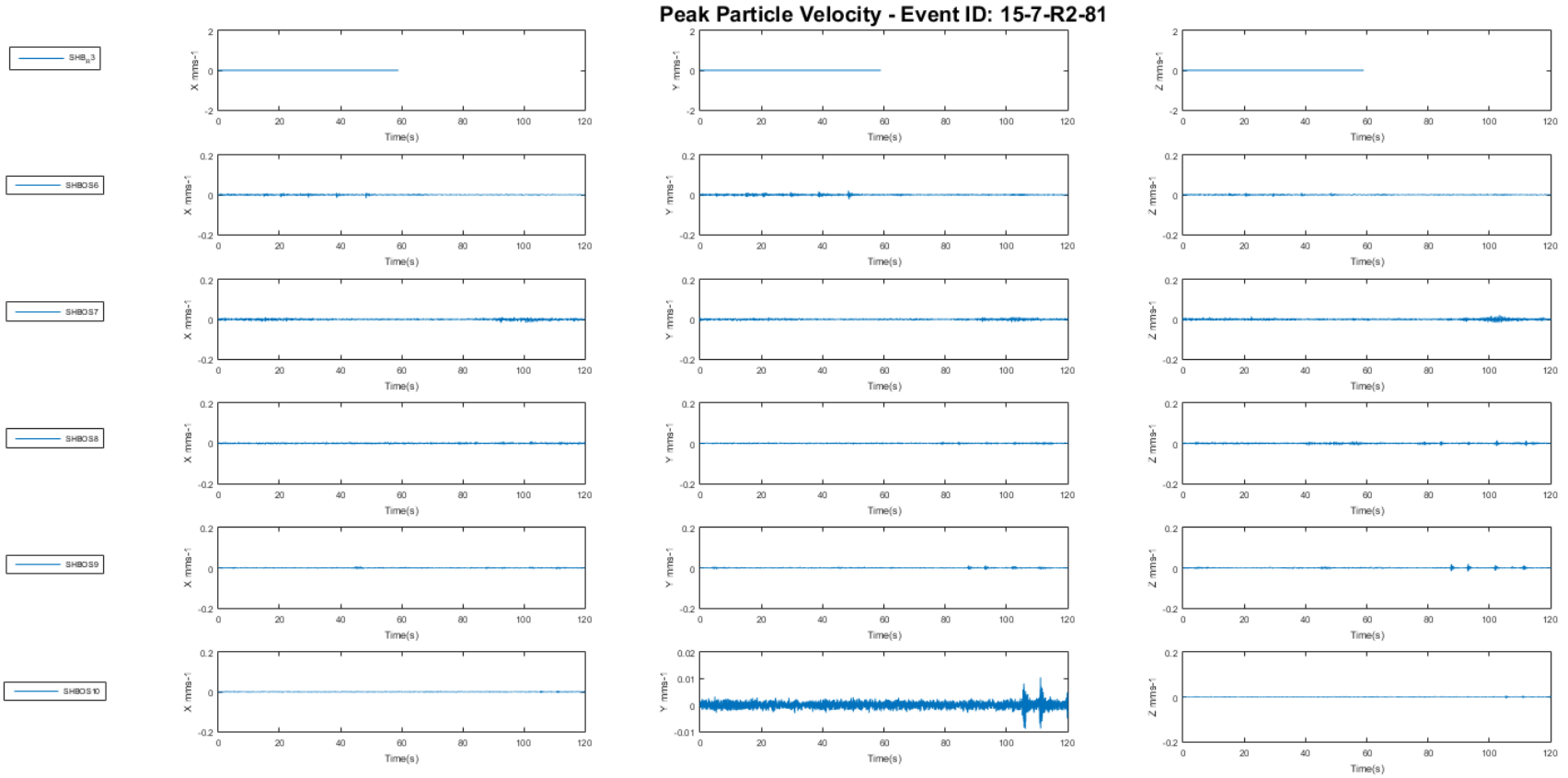


FIGURE 3.281: SHB_OS 6 - 10 15-7-R2-81

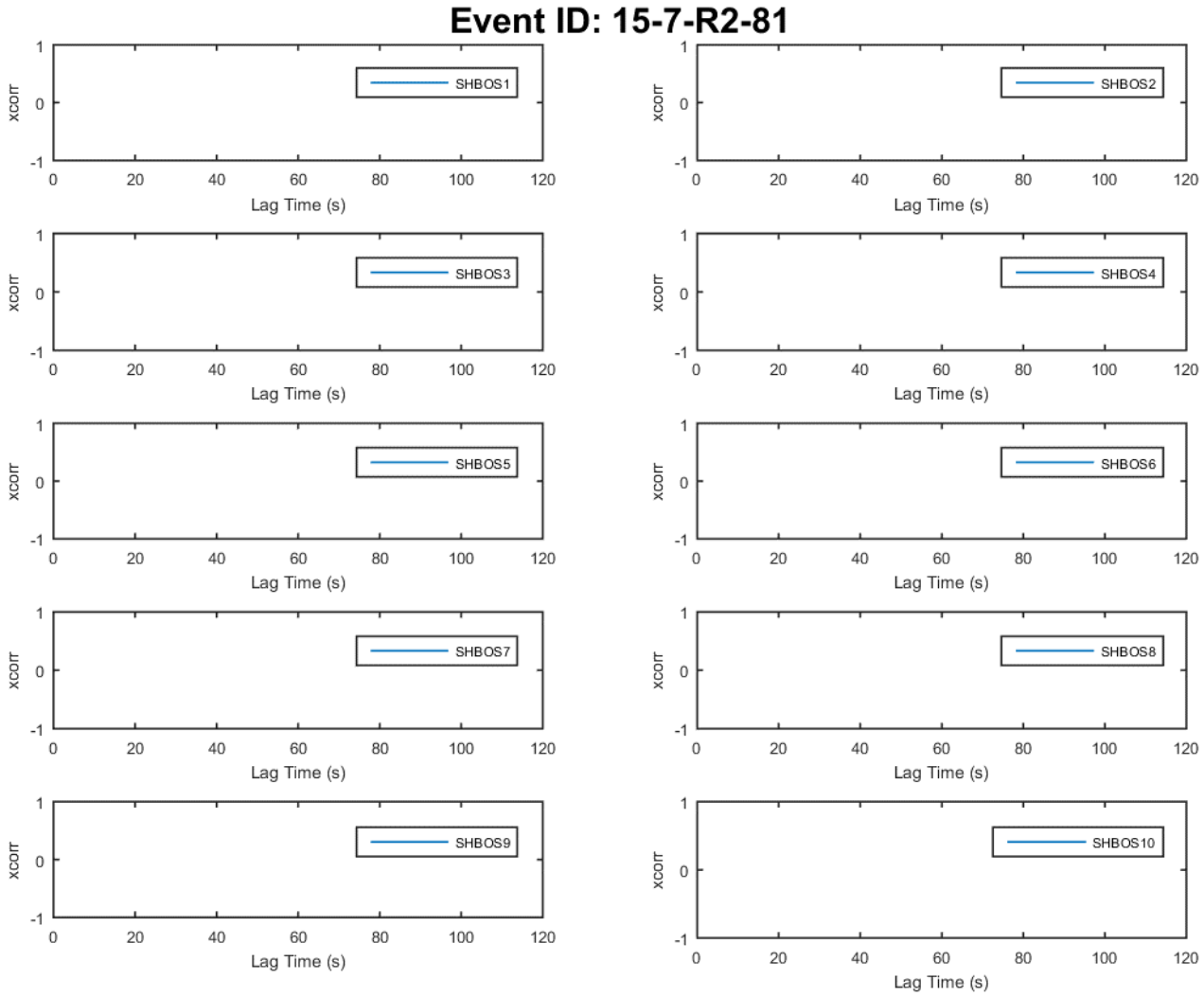


FIGURE 3.282: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-81

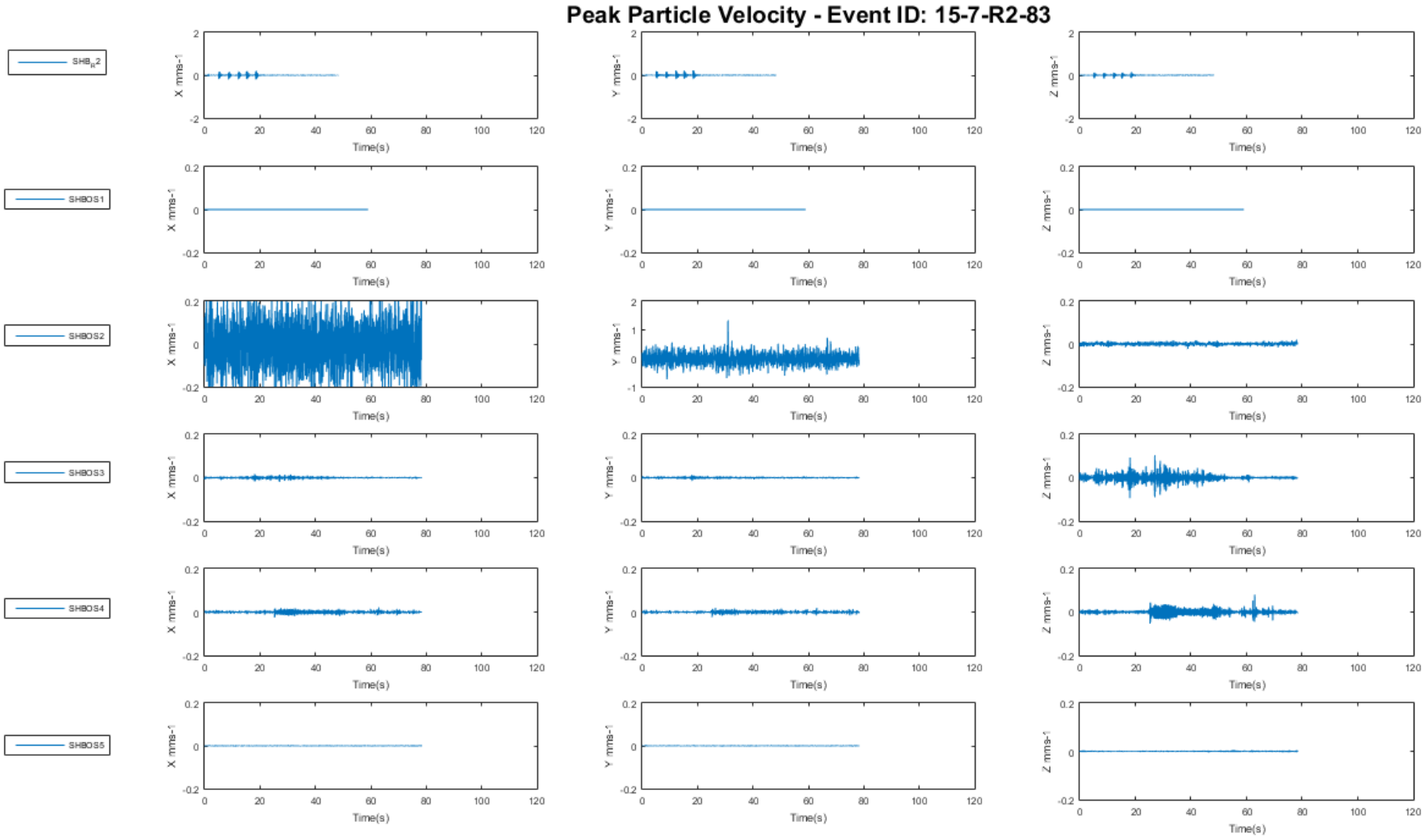


FIGURE 3.283: SHB_OS 1 - 5 15-7-R2-83

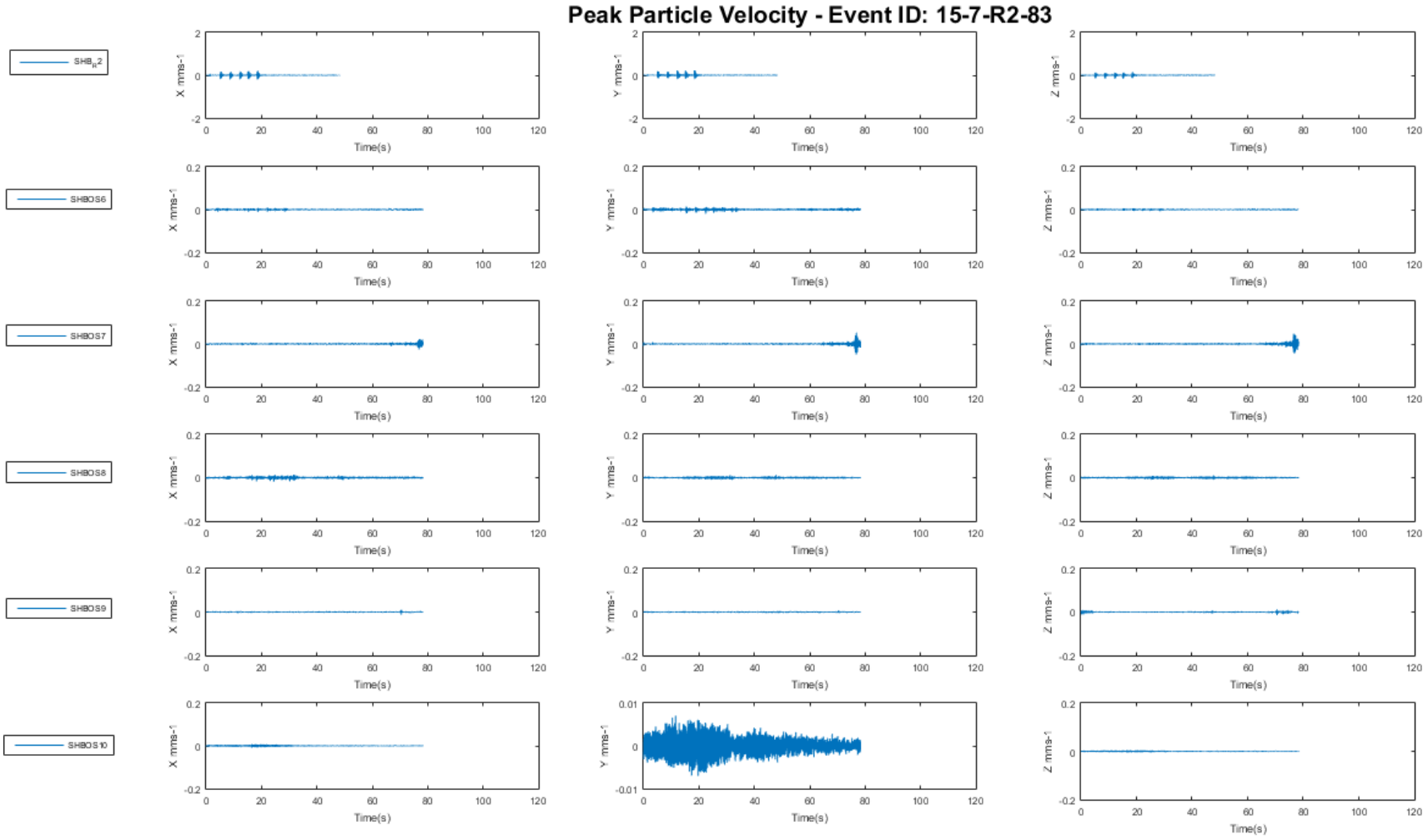


FIGURE 3.284: SHB_OS 6 - 10 15-7-R2-83

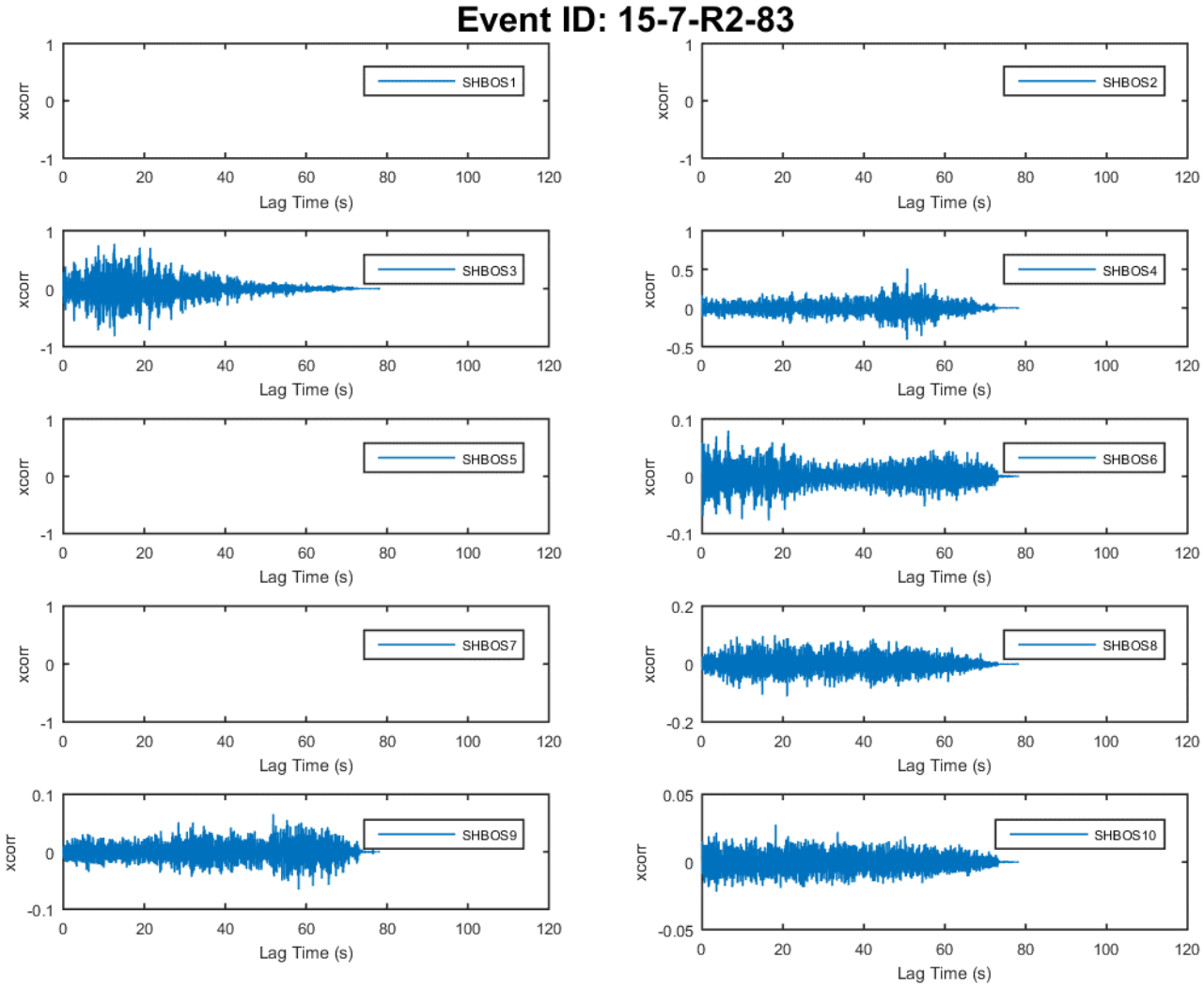


FIGURE 3.285: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-83

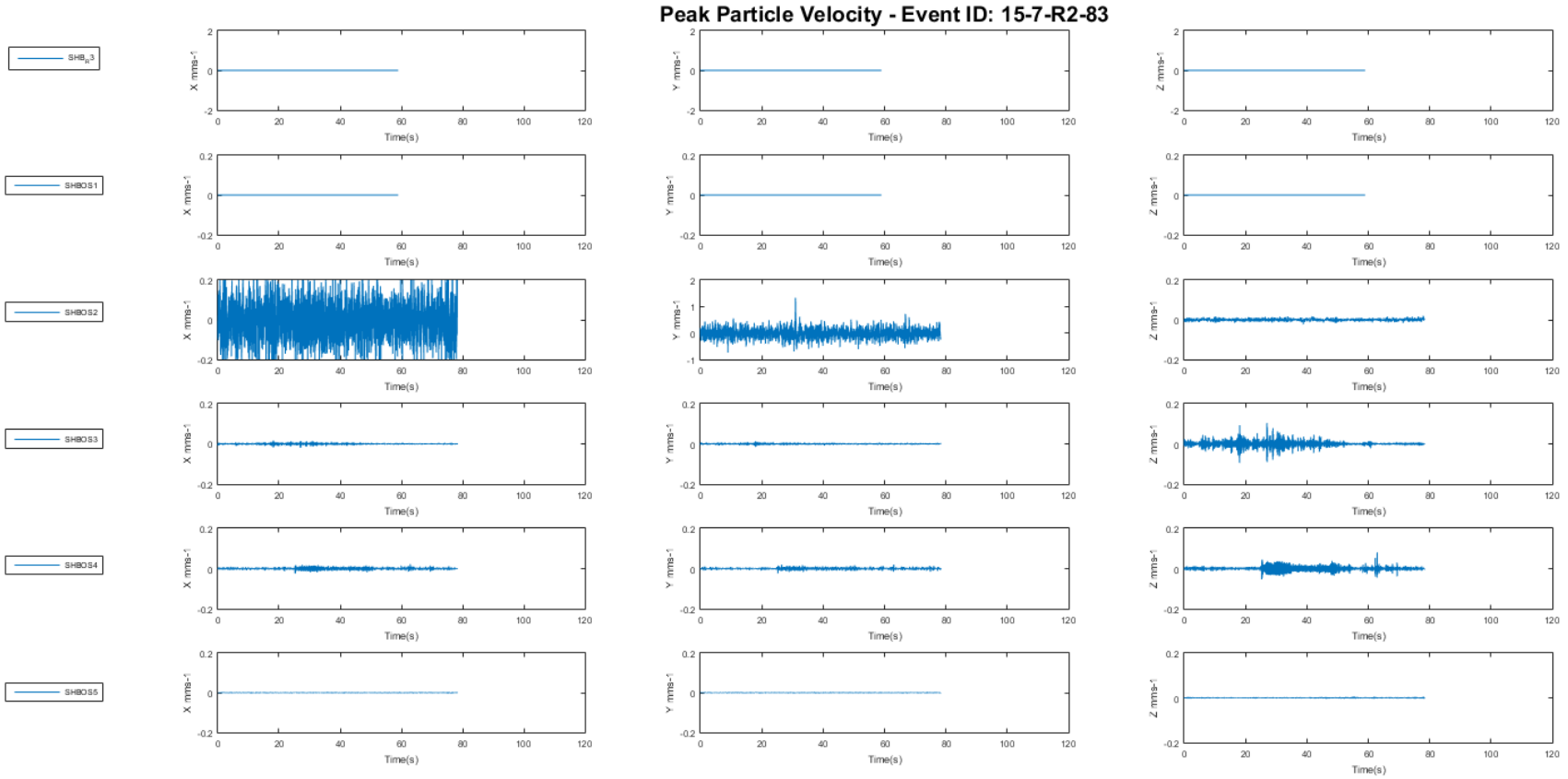


FIGURE 3.286: SHB_OS 1 - 5 15-7-R2-83

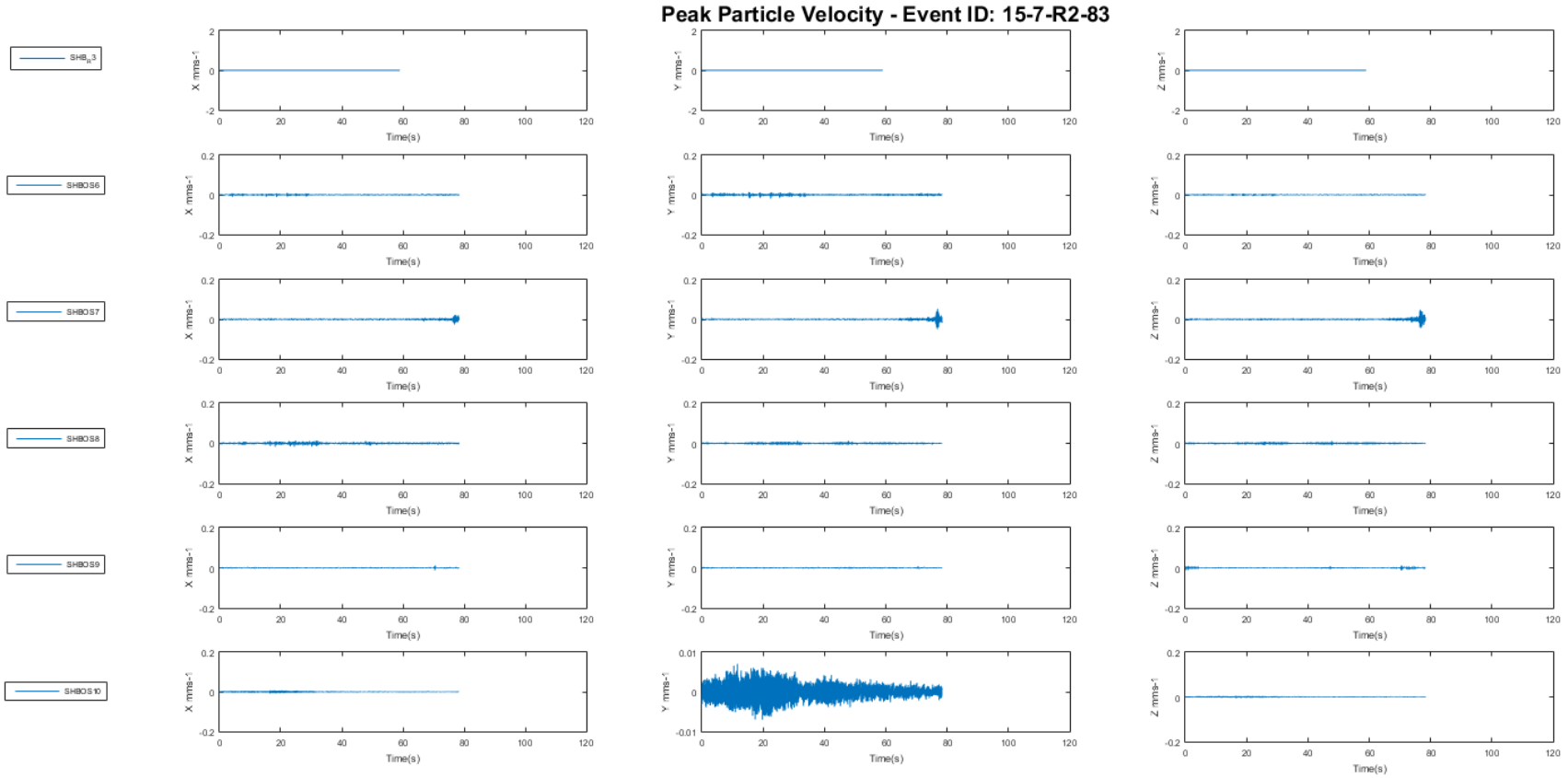


FIGURE 3.287: SHB_OS 6 - 10 15-7-R2-83

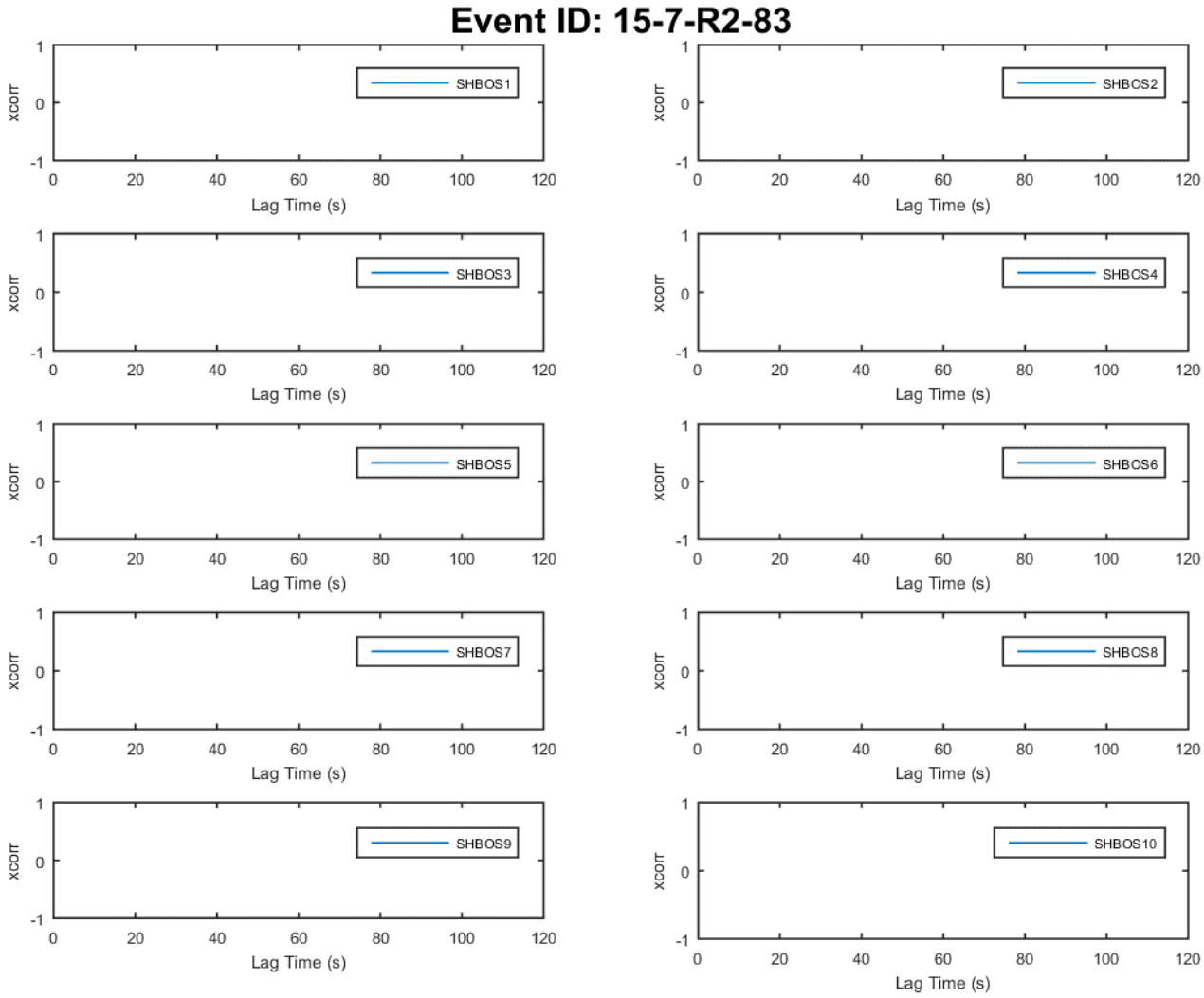


FIGURE 3.288: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-83

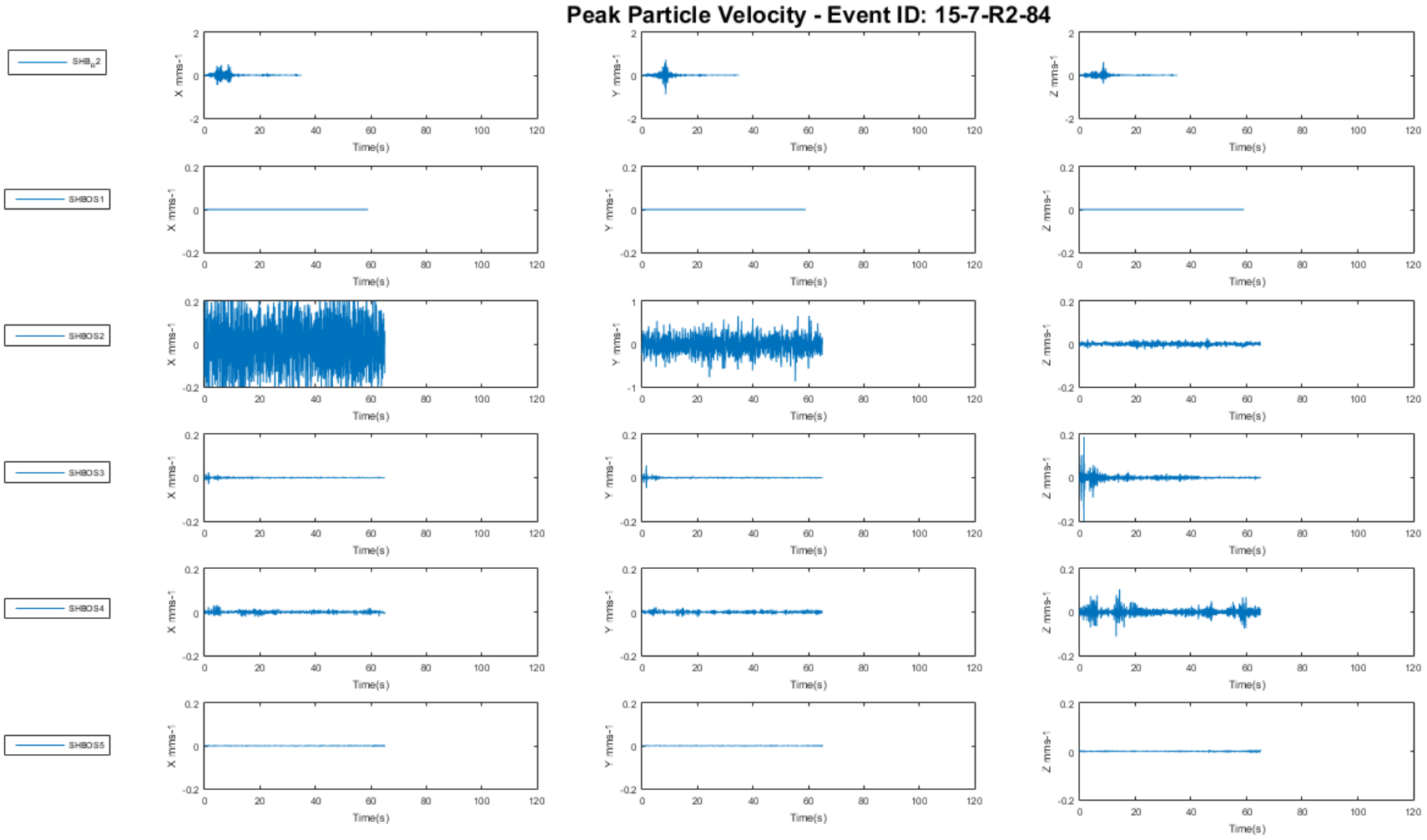


FIGURE 3.289: SHB_OS 1 - 5 15-7-R2-84

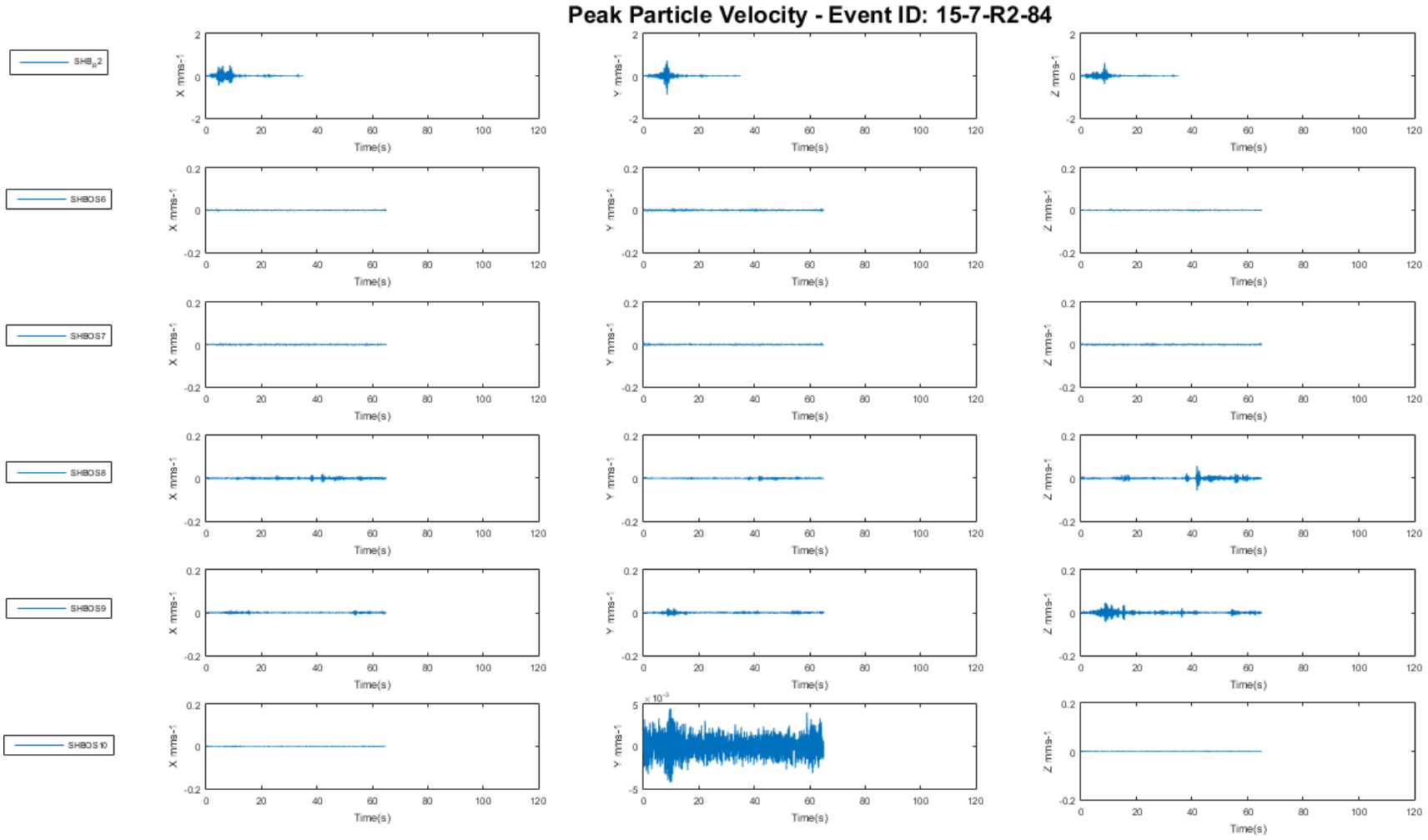


FIGURE 3.290: SHB_OS 6 - 10 15-7-R2-84

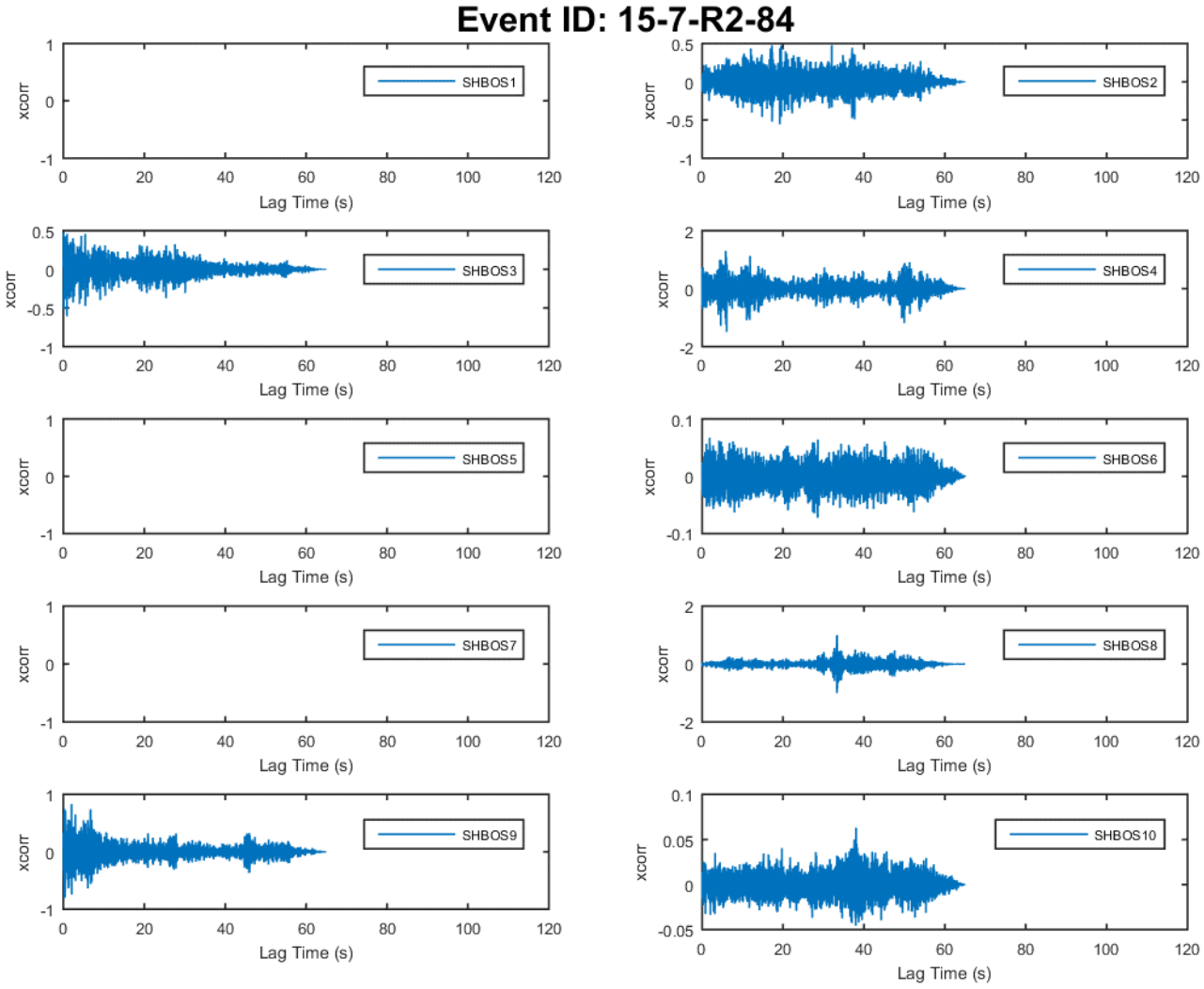


FIGURE 3.291: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-84

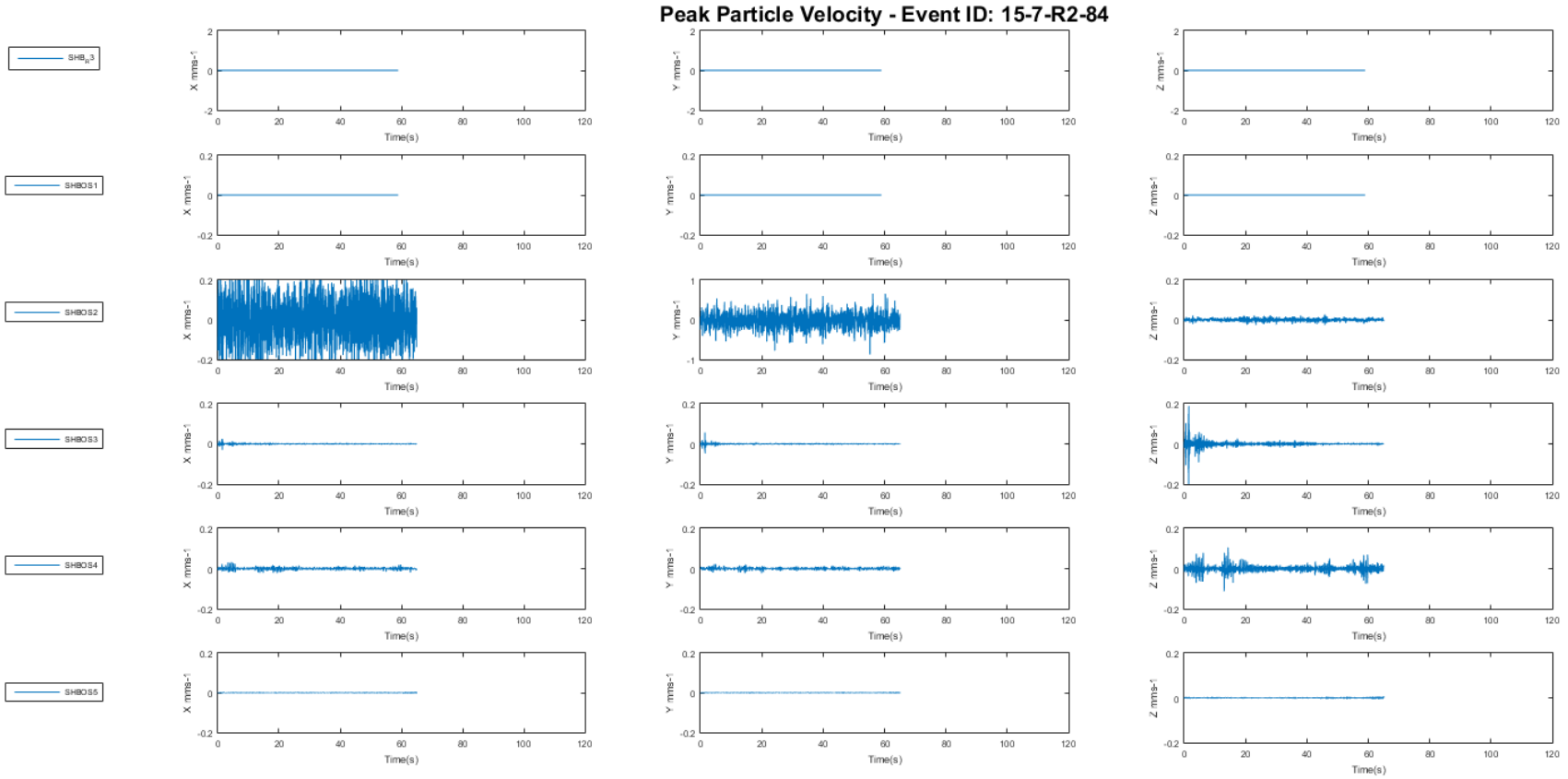


FIGURE 3.292: SHB_OS 1 - 5 15-7-R2-84

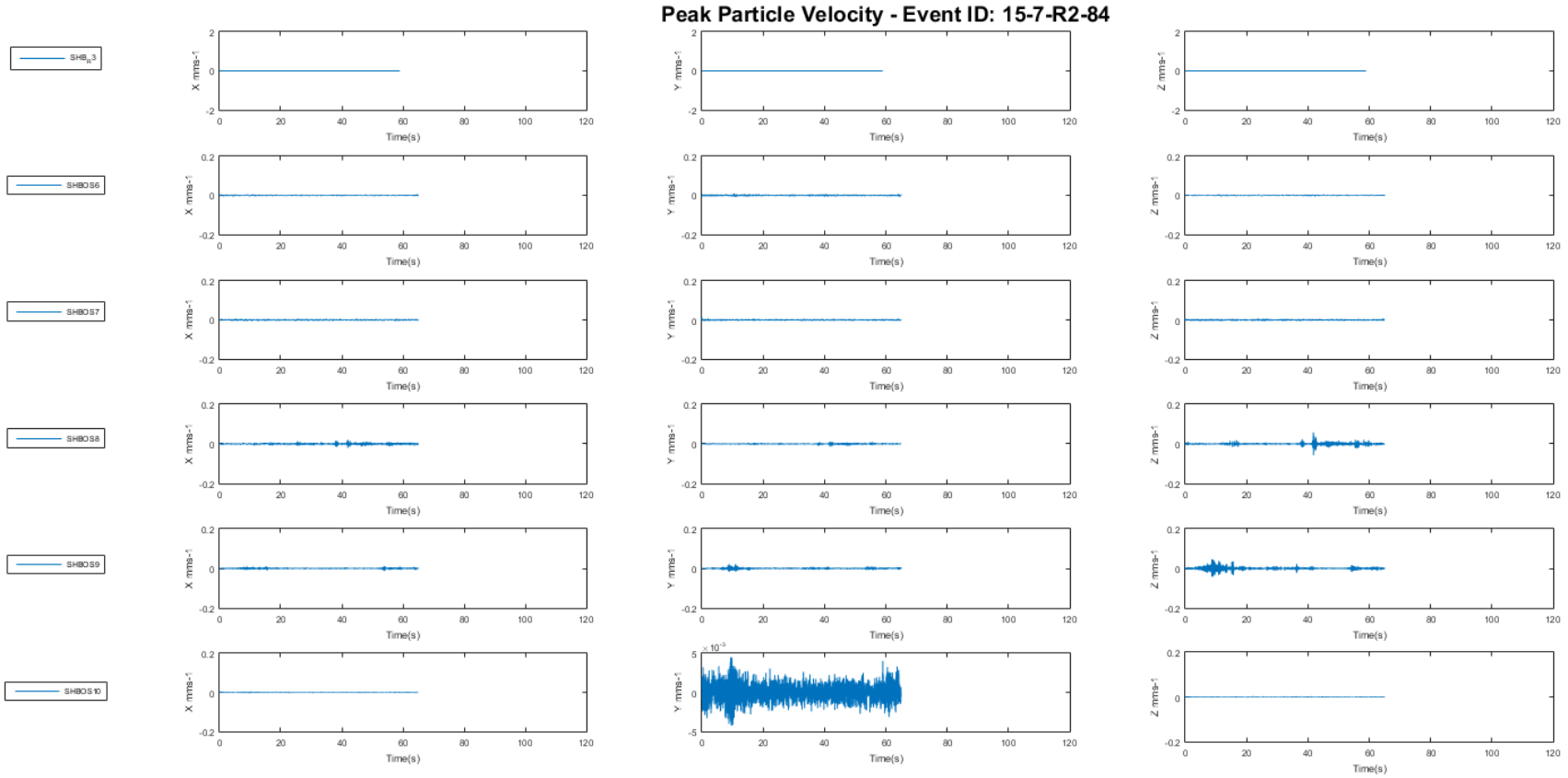


FIGURE 3.293: SHB_OS 6 - 10 15-7-R2-84

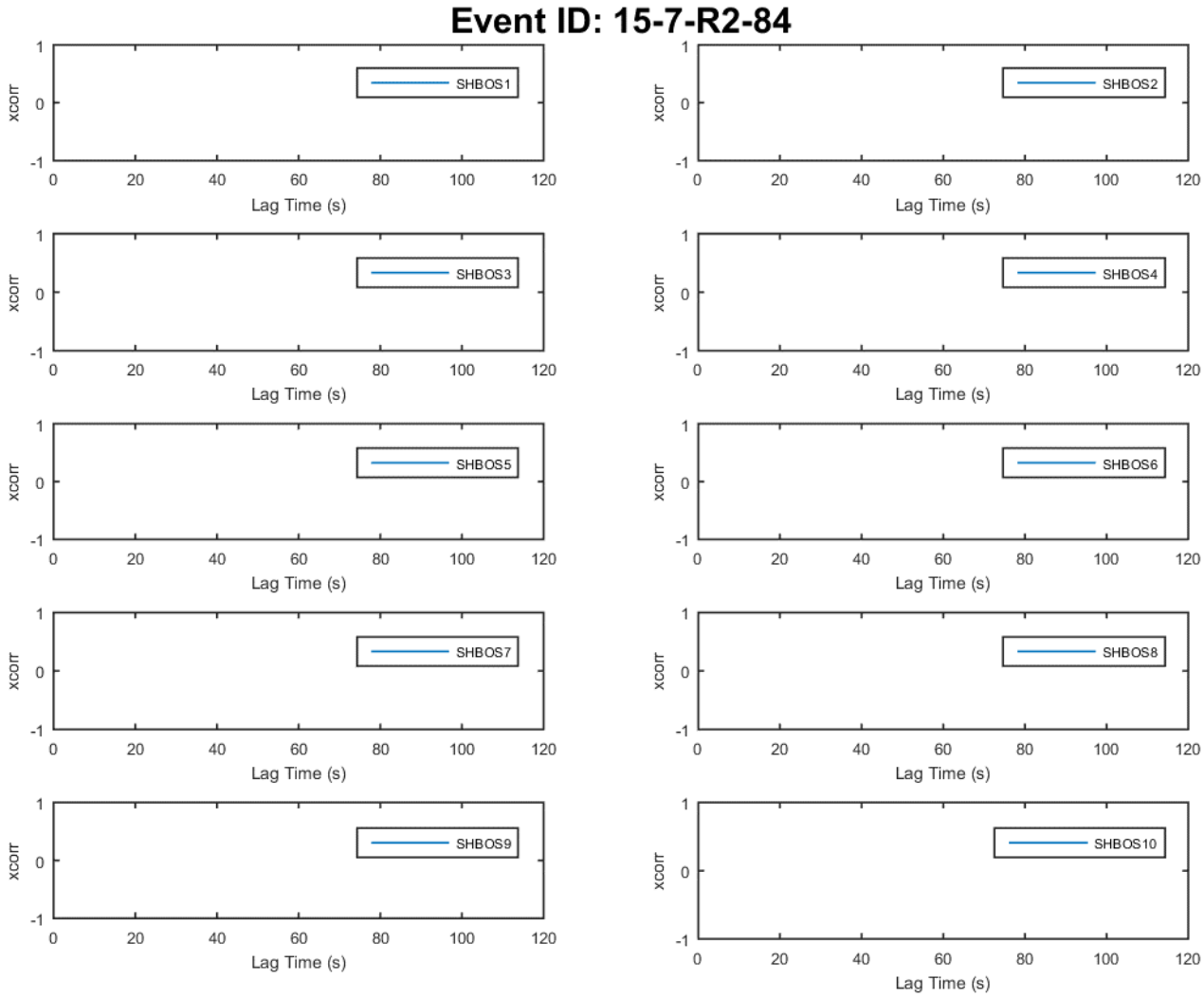


FIGURE 3.294: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-84

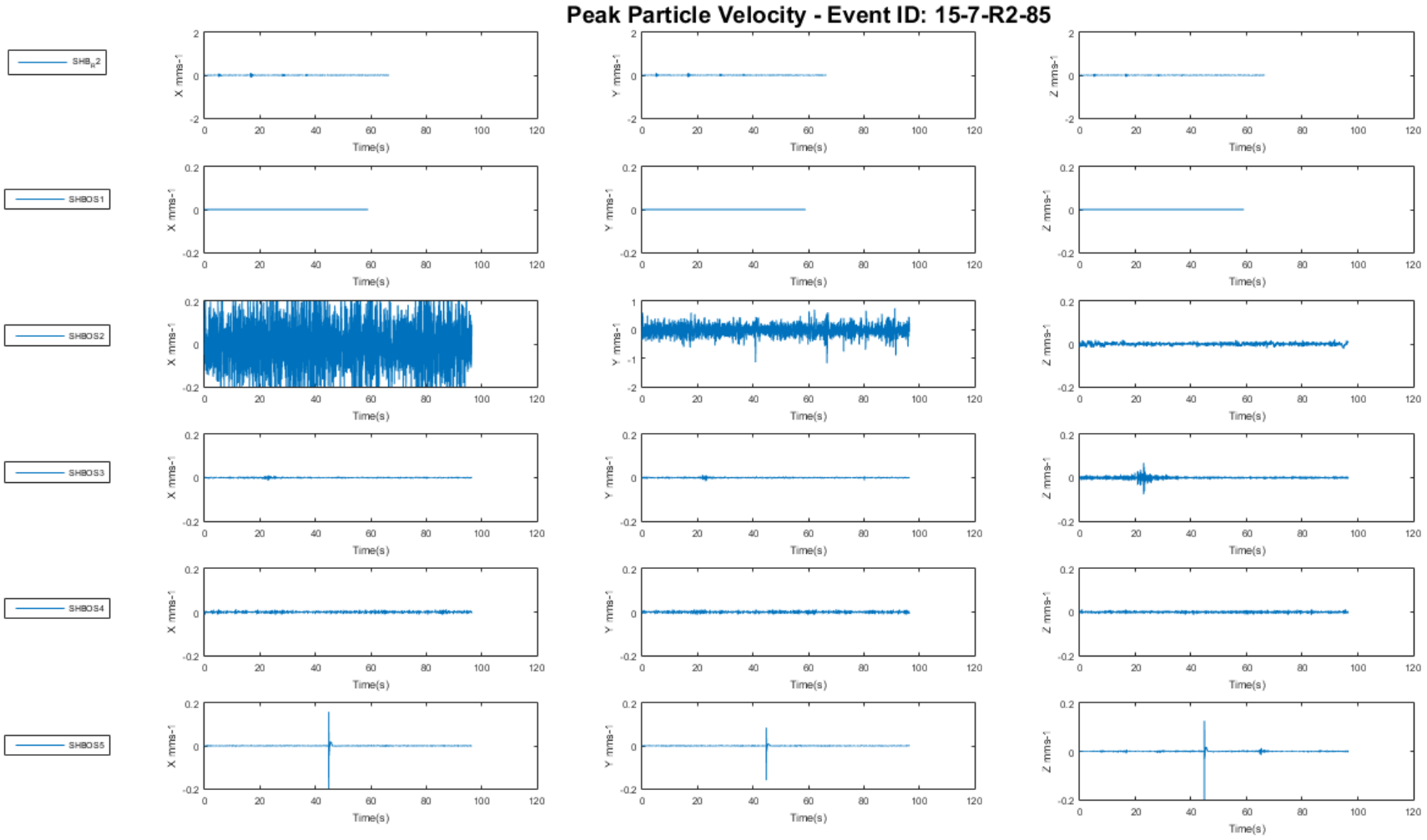


FIGURE 3.295: SHB_OS 1 - 5 15-7-R2-85

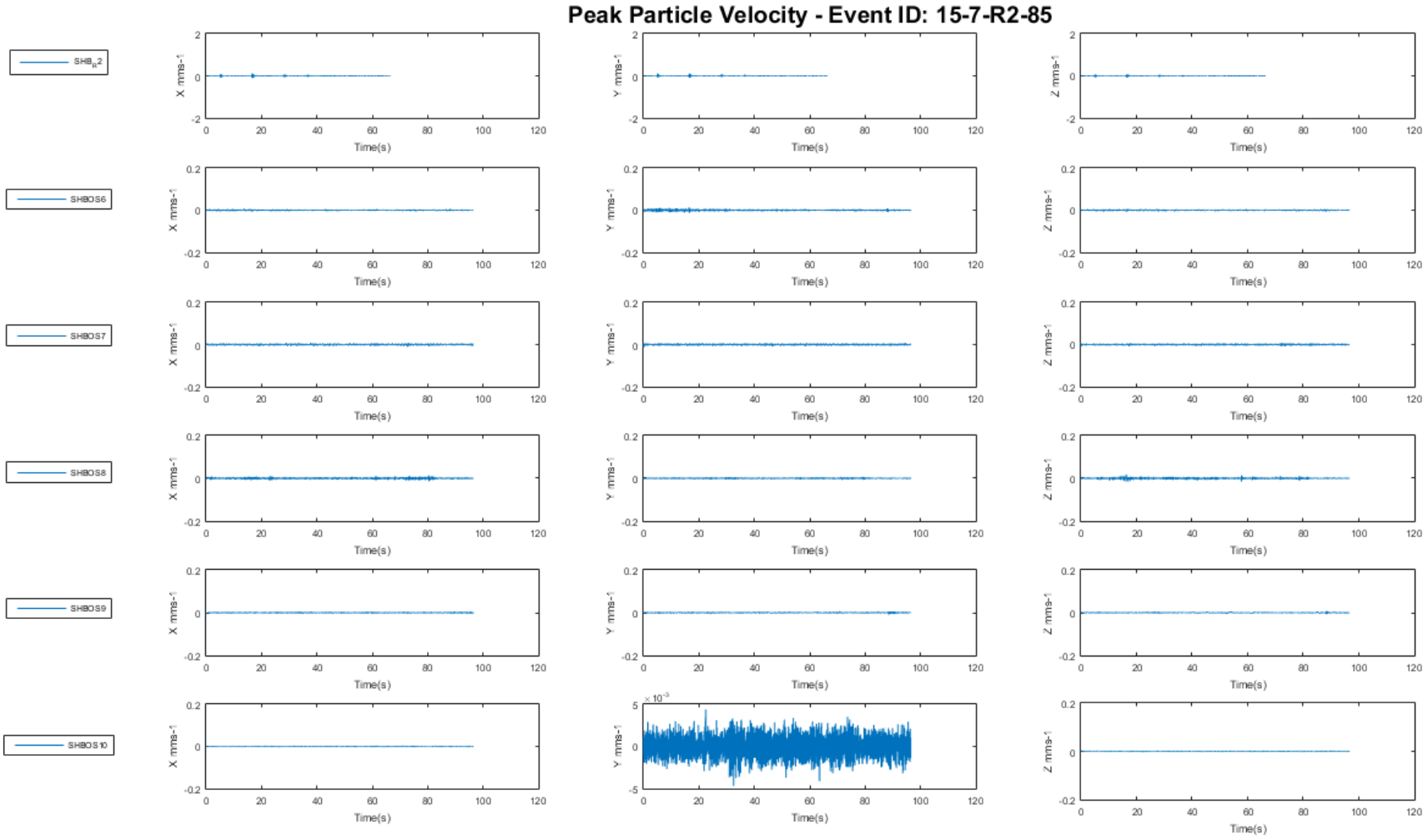


FIGURE 3.296: SHB_OS 6 - 10 15-7-R2-85

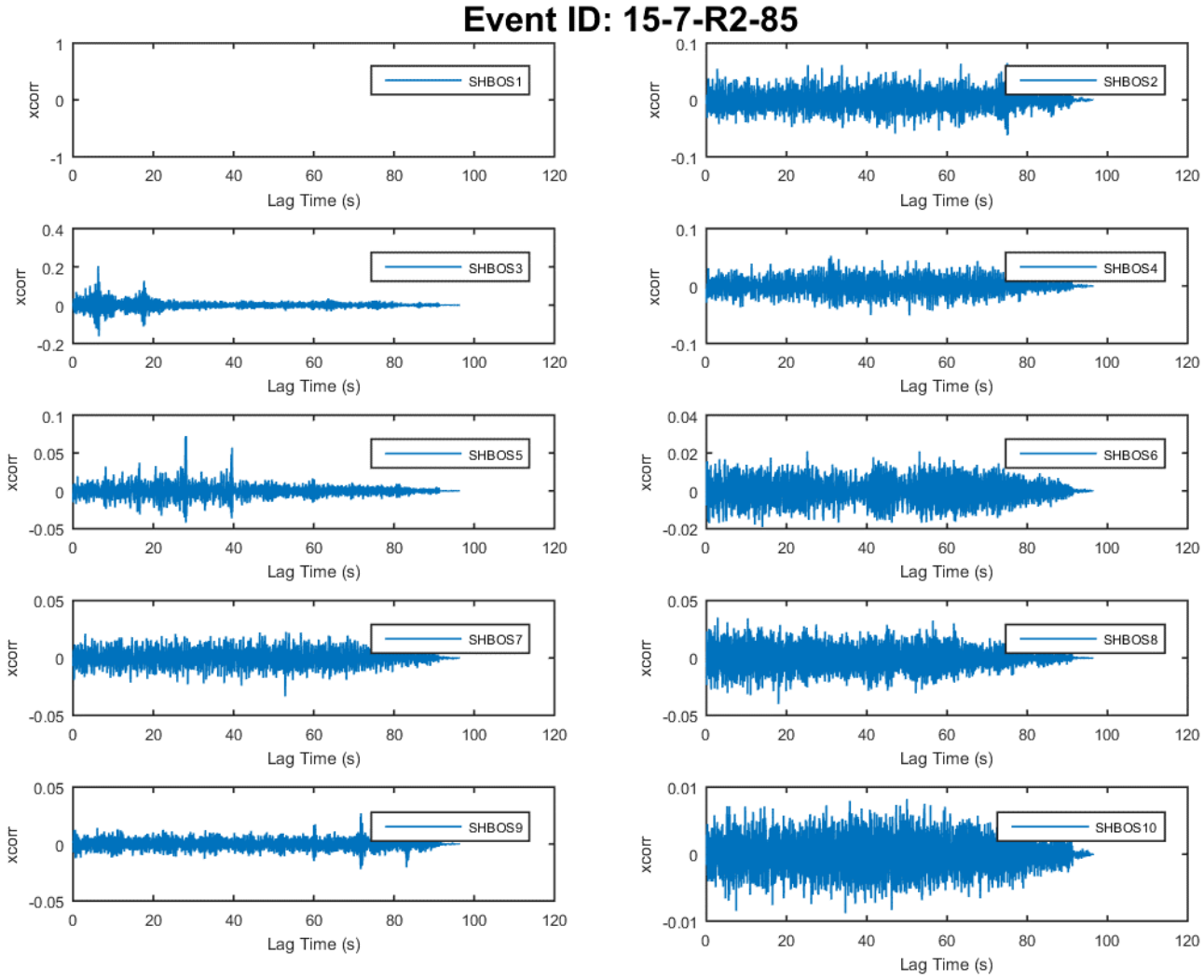


FIGURE 3.297: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-85

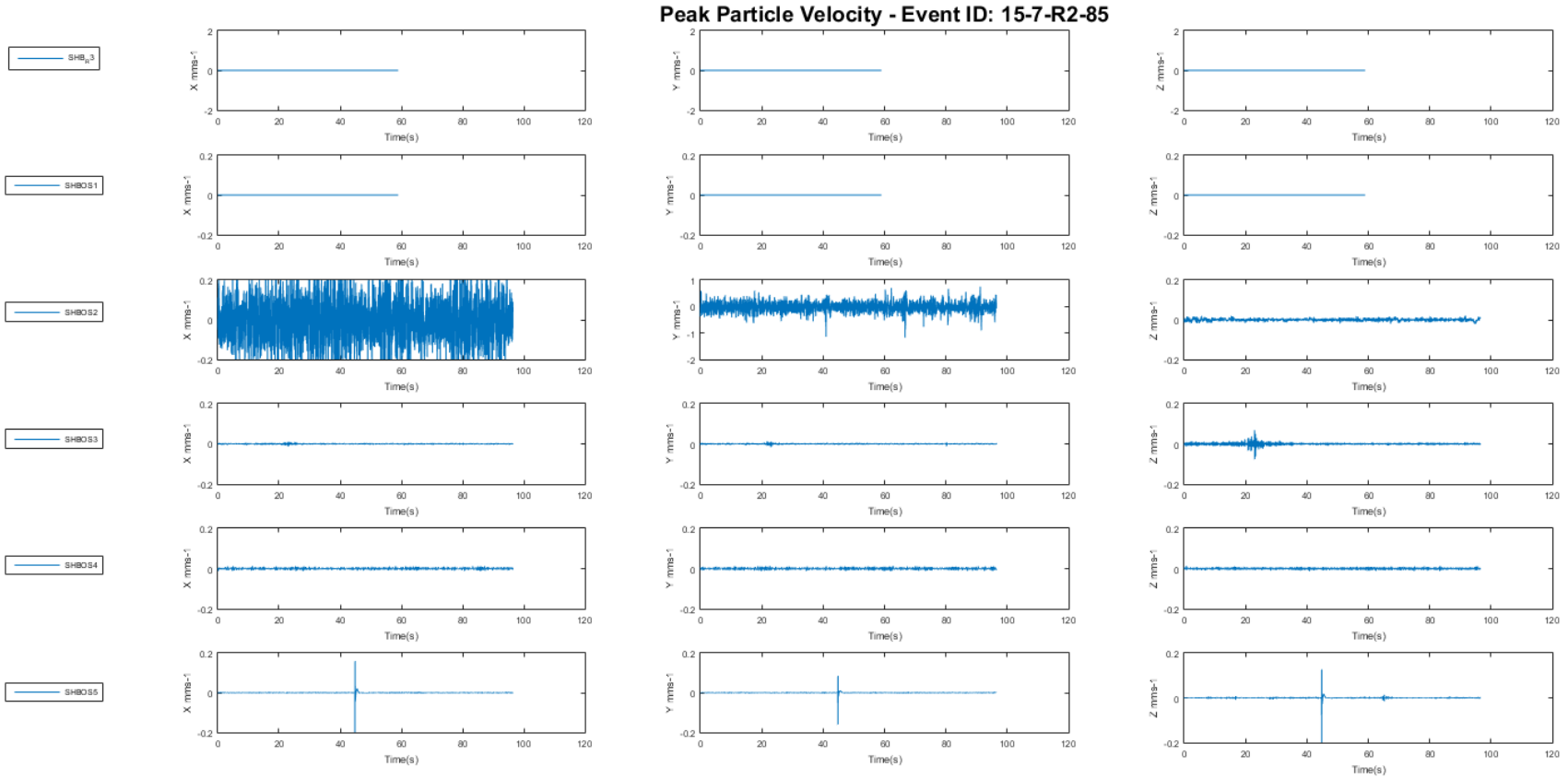


FIGURE 3.298: SHB_OS 1 - 5 15-7-R2-85

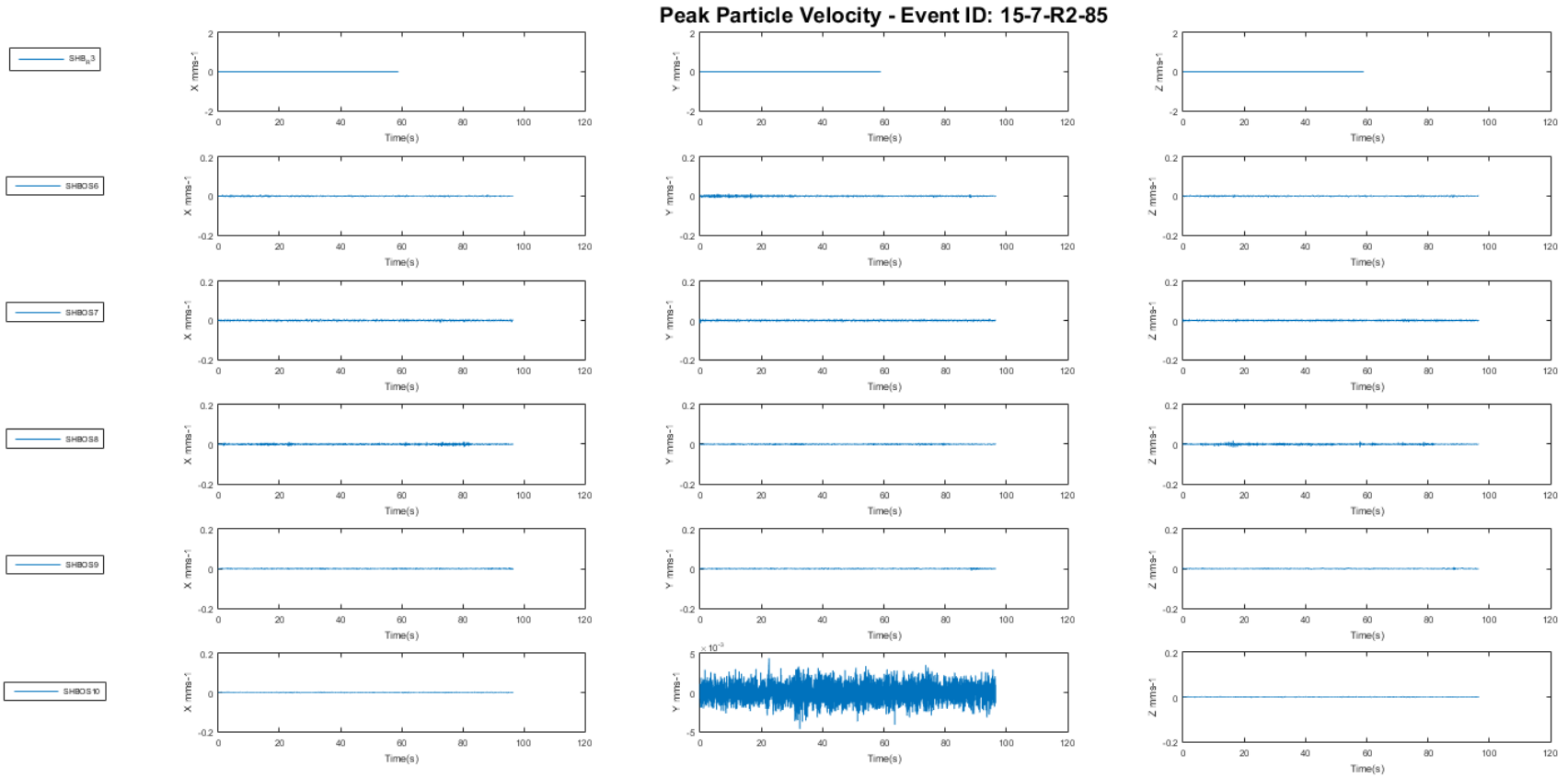


FIGURE 3.299: SHB_OS 6 - 10 15-7-R2-85

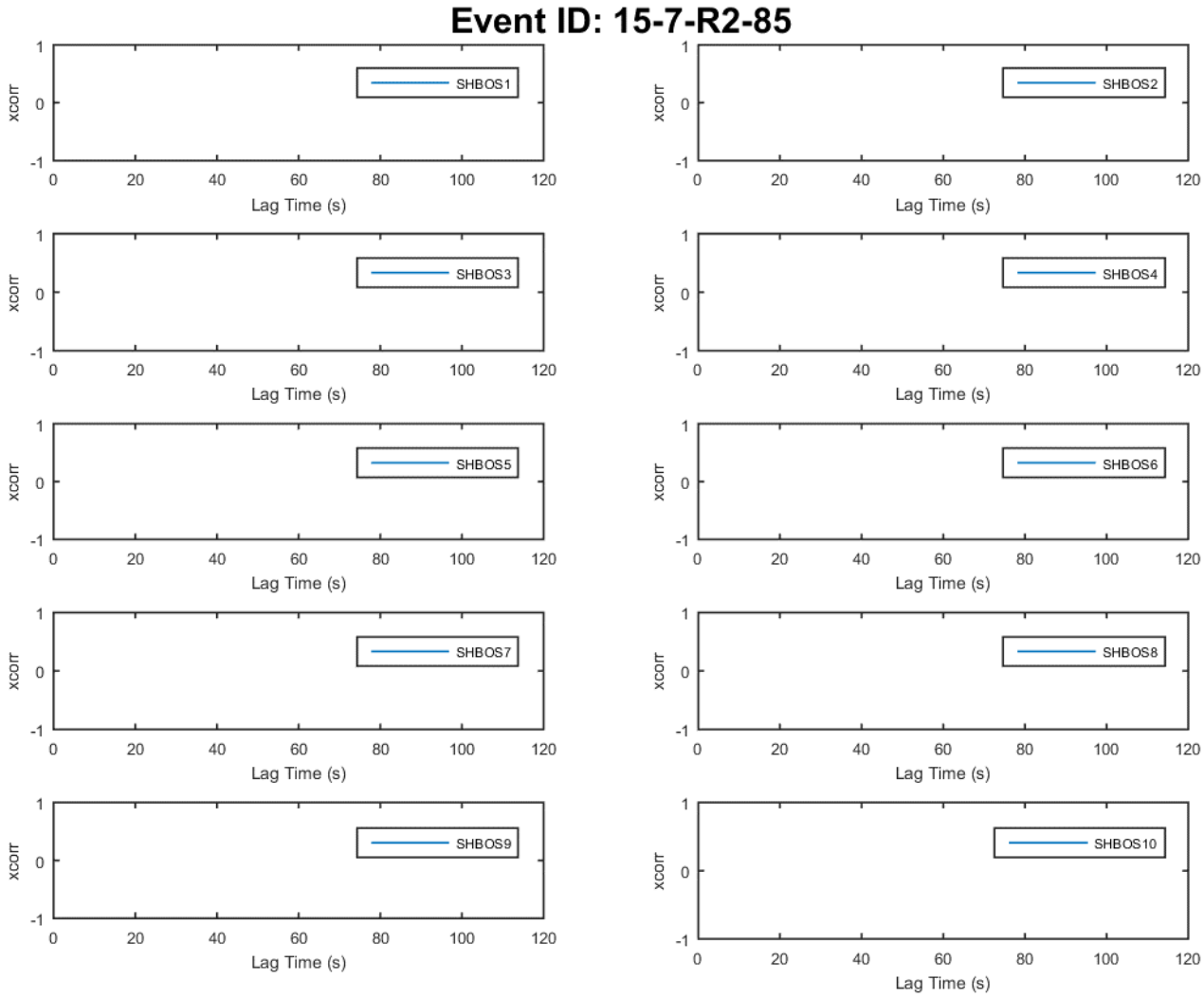


FIGURE 3.300: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-85

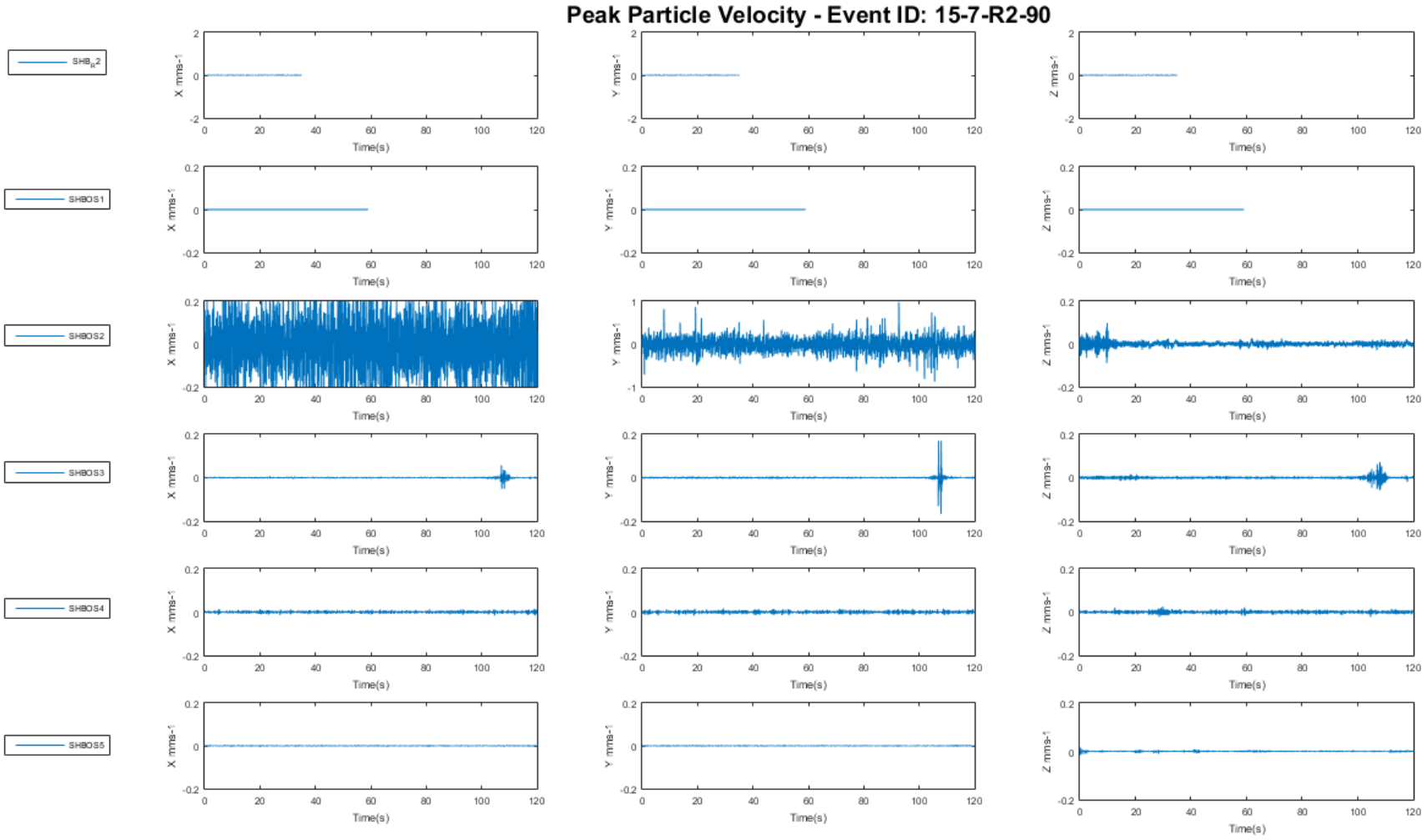


FIGURE 3.301: SHB_OS 1 - 5 15-7-R2-90

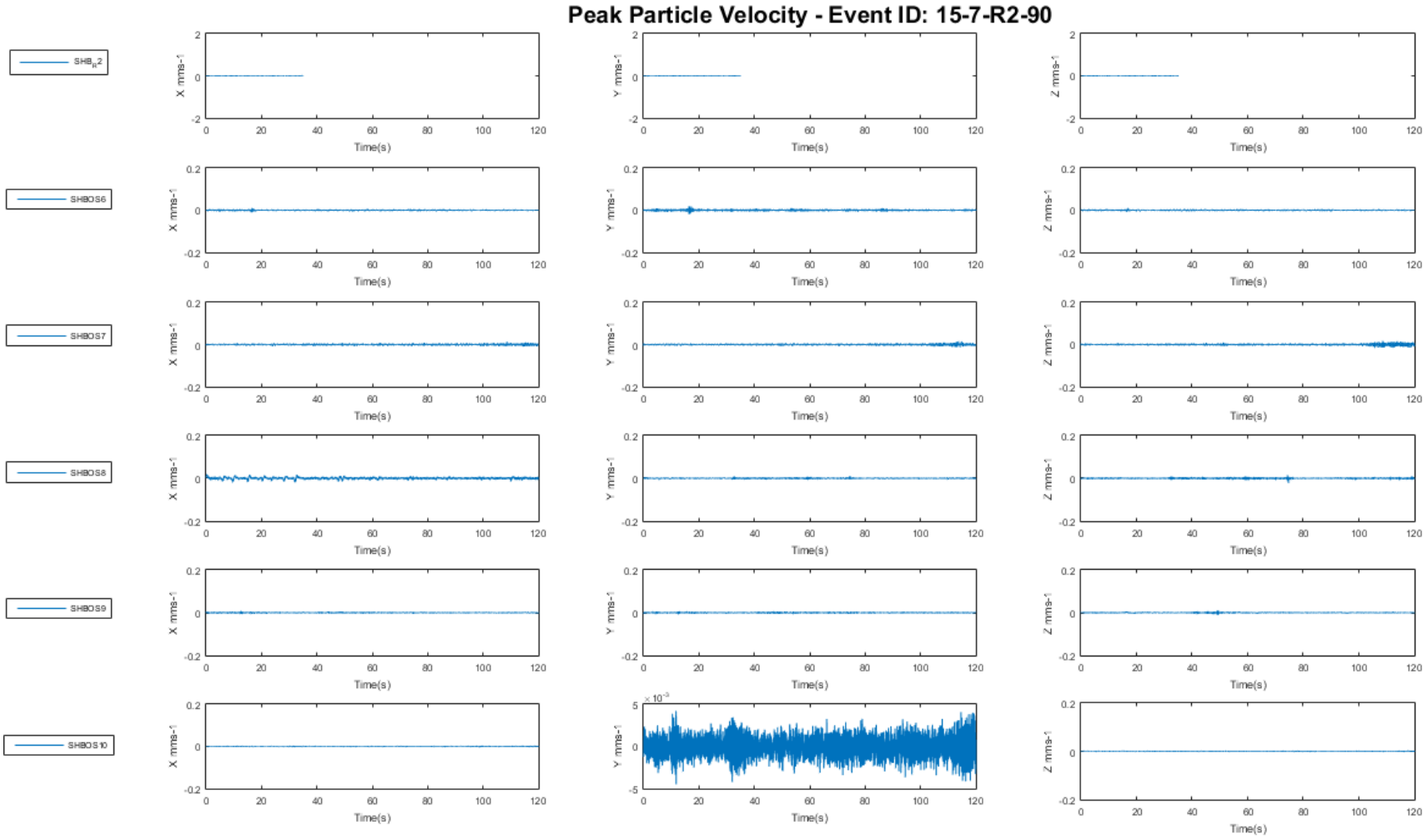


FIGURE 3.302: SHB_OS 6 - 10 15-7-R2-90

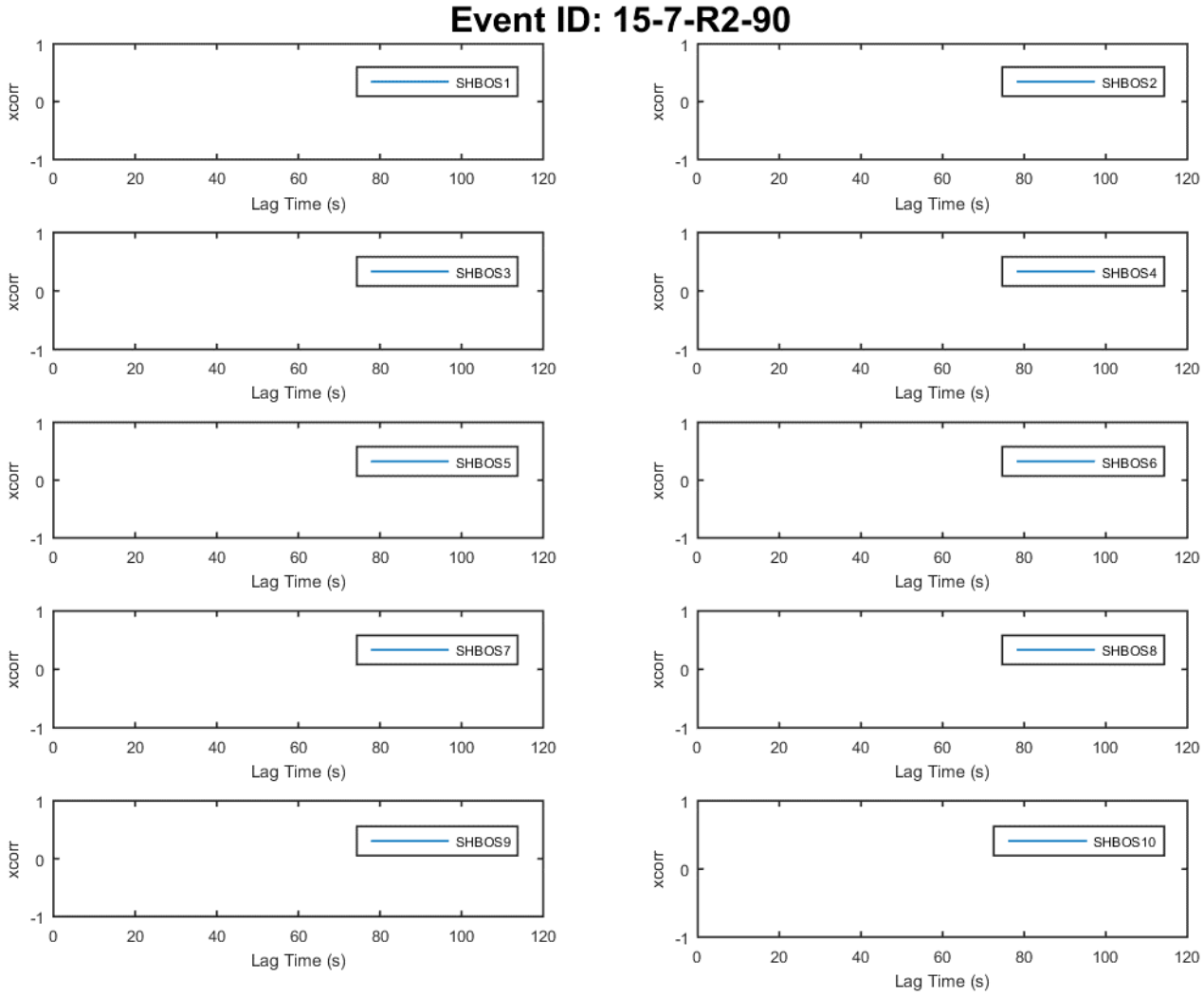


FIGURE 3.303: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-90

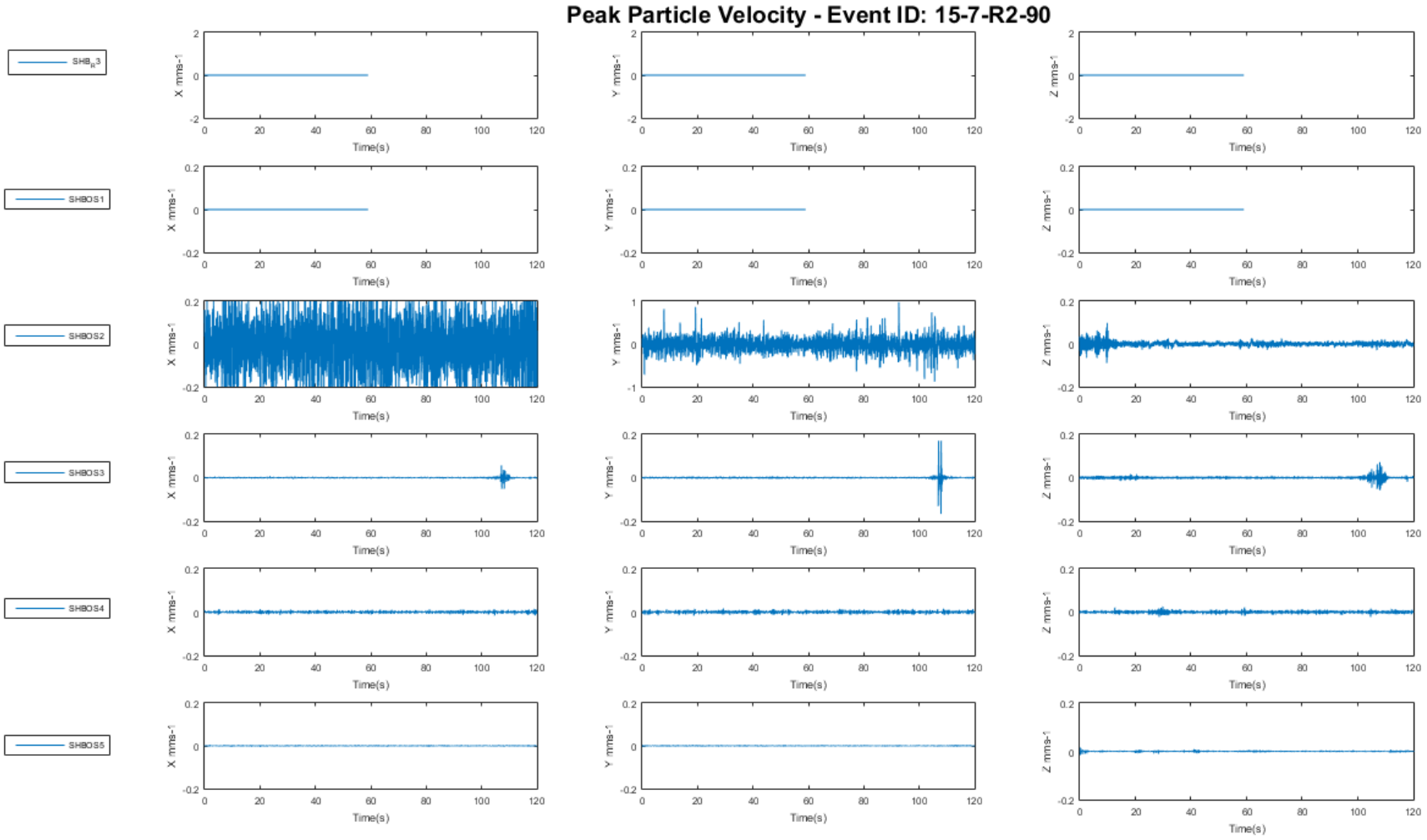


FIGURE 3.304: SHB_OS 1 - 5 15-7-R2-90

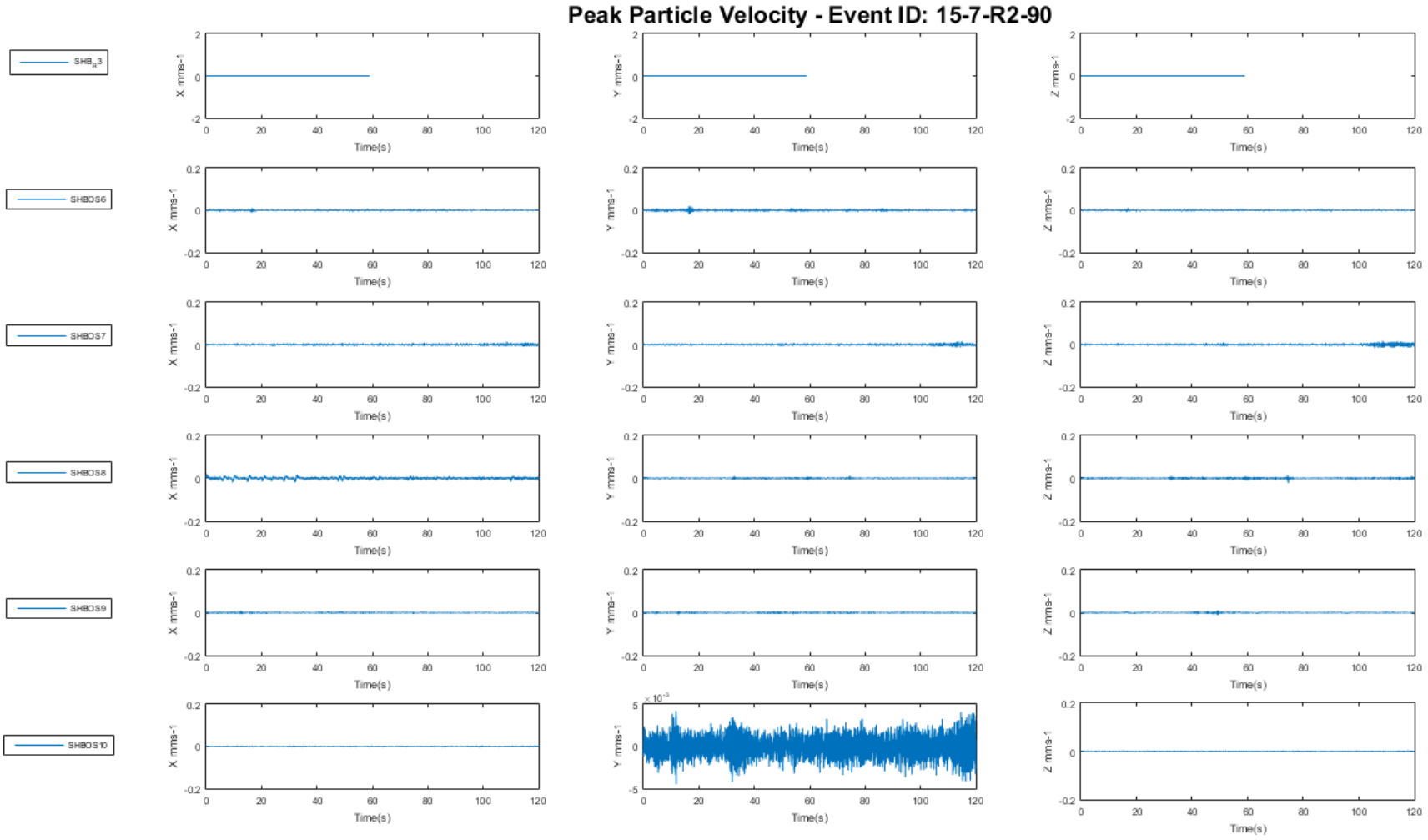


FIGURE 3.305: SHB_OS 6 - 10 15-7-R2-90

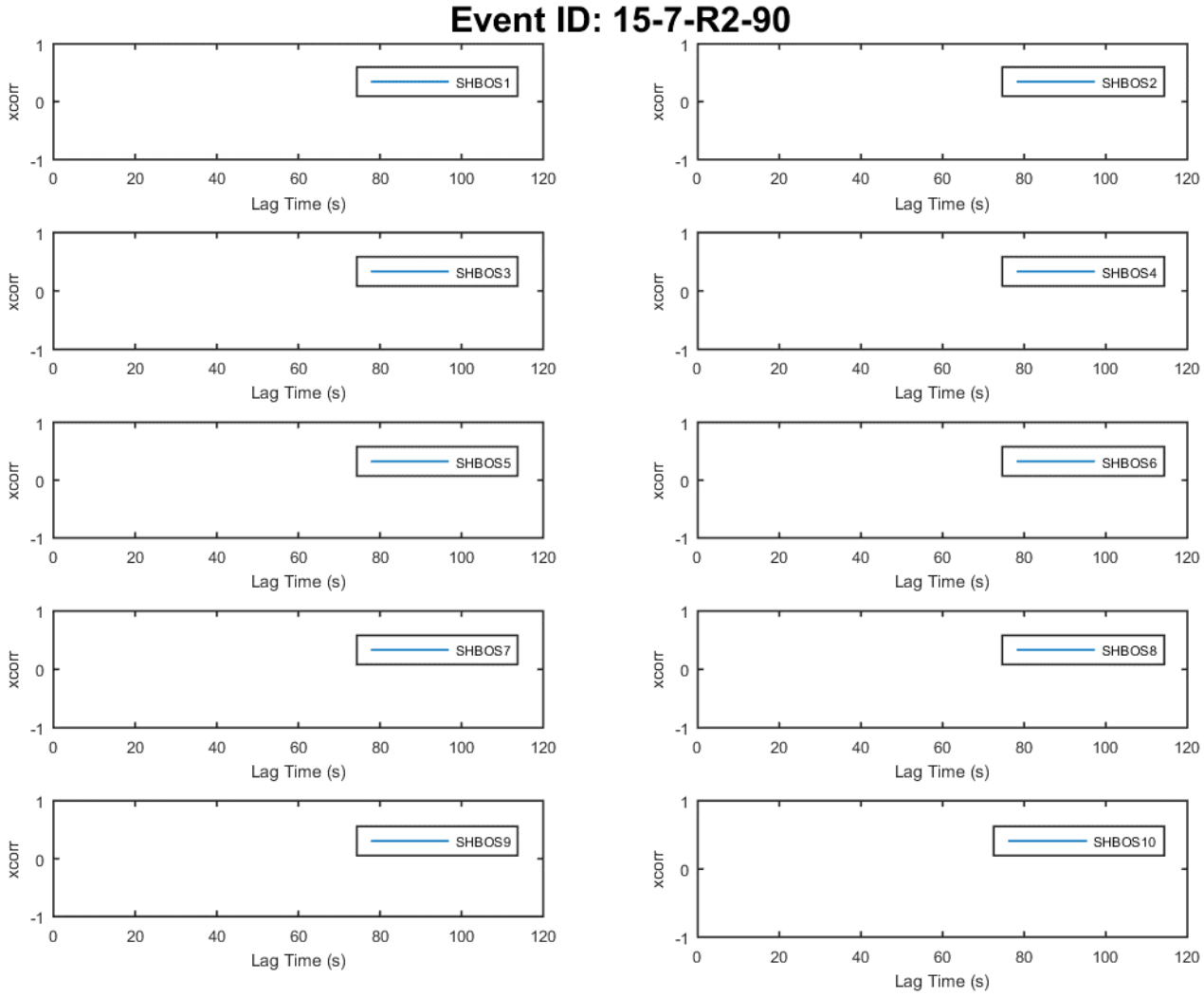


FIGURE 3.306: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-90

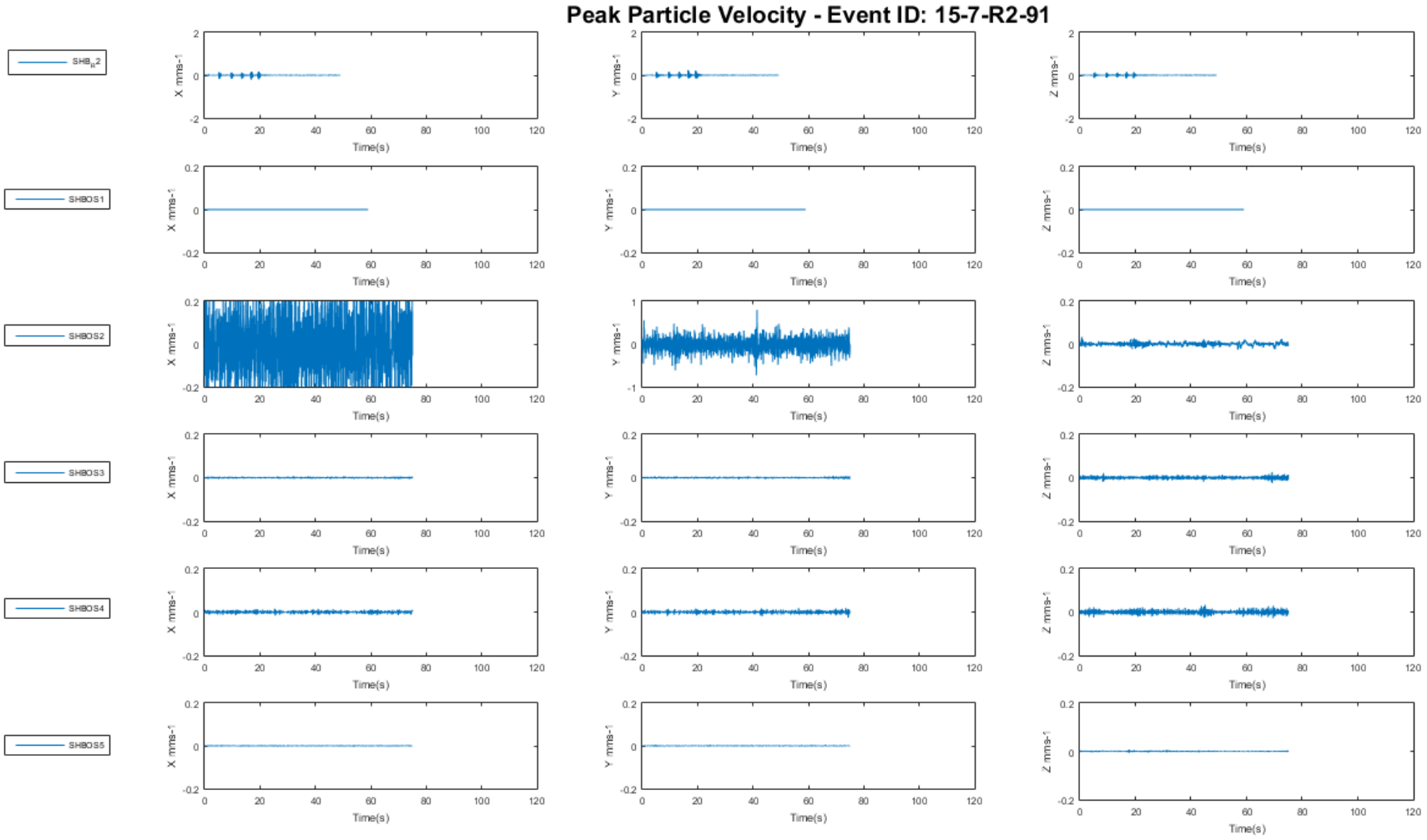


FIGURE 3.307: SHB_OS 1 - 5 15-7-R2-91

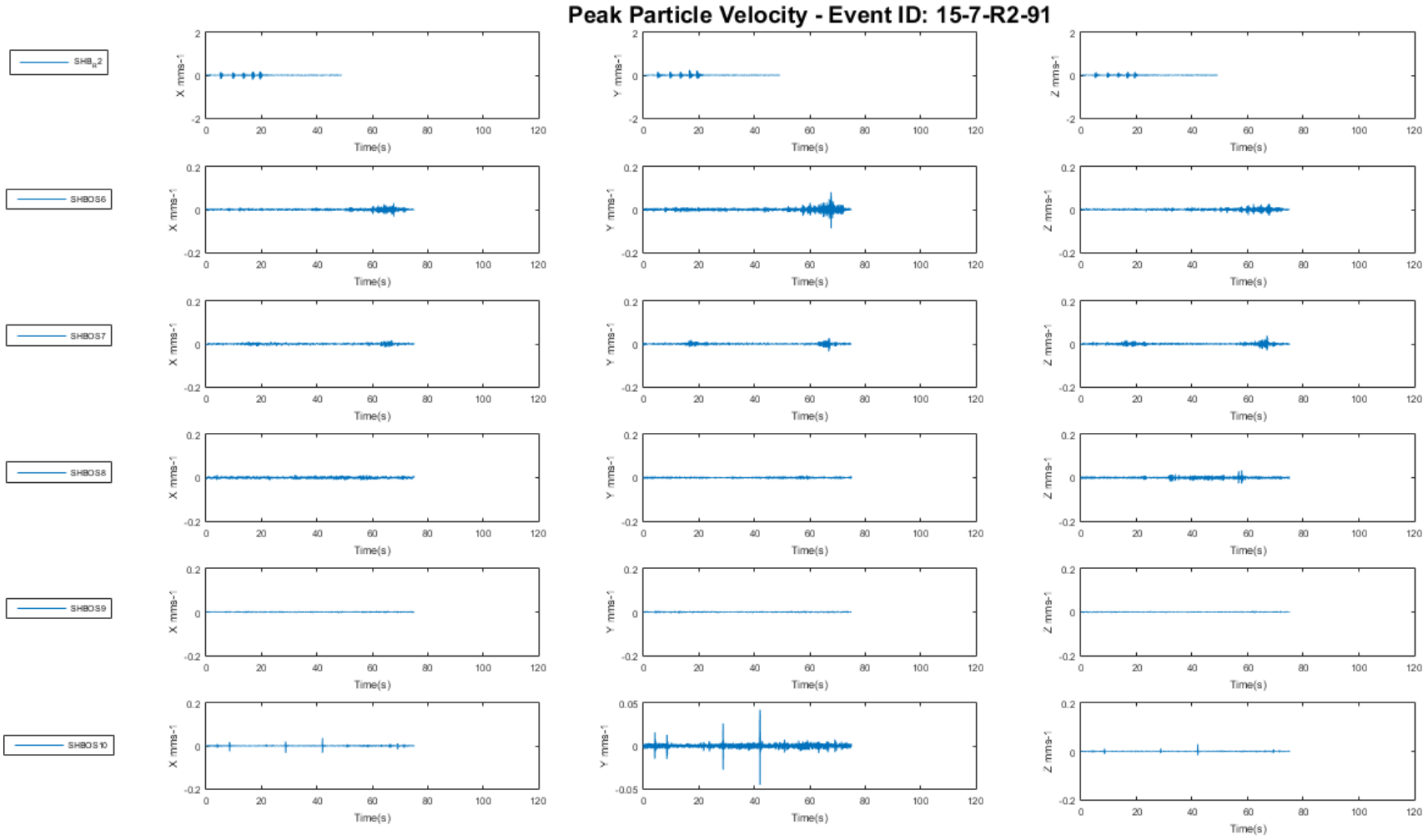


FIGURE 3.308: SHB_OS 6 - 10 15-7-R2-91

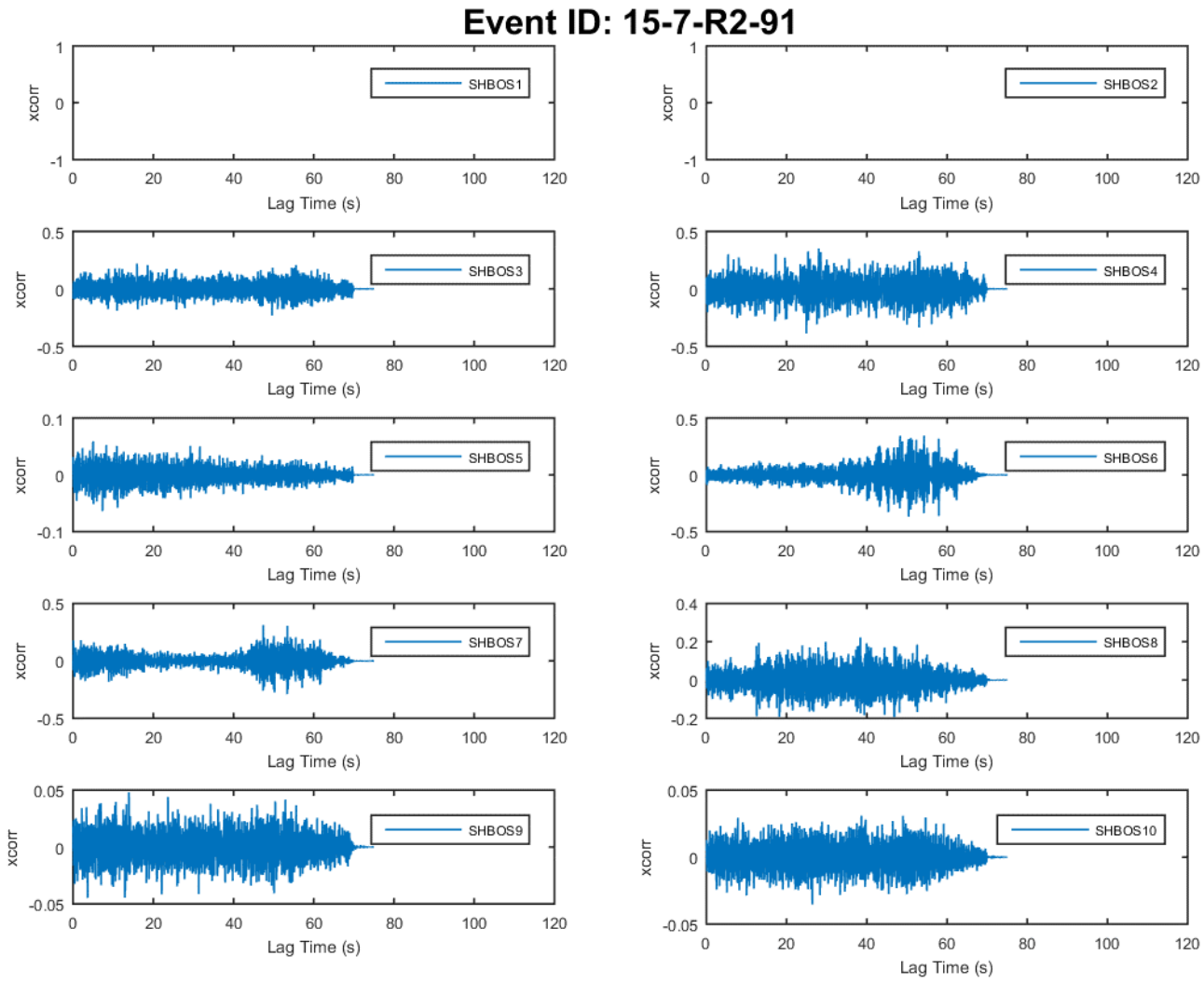


FIGURE 3.309: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-91

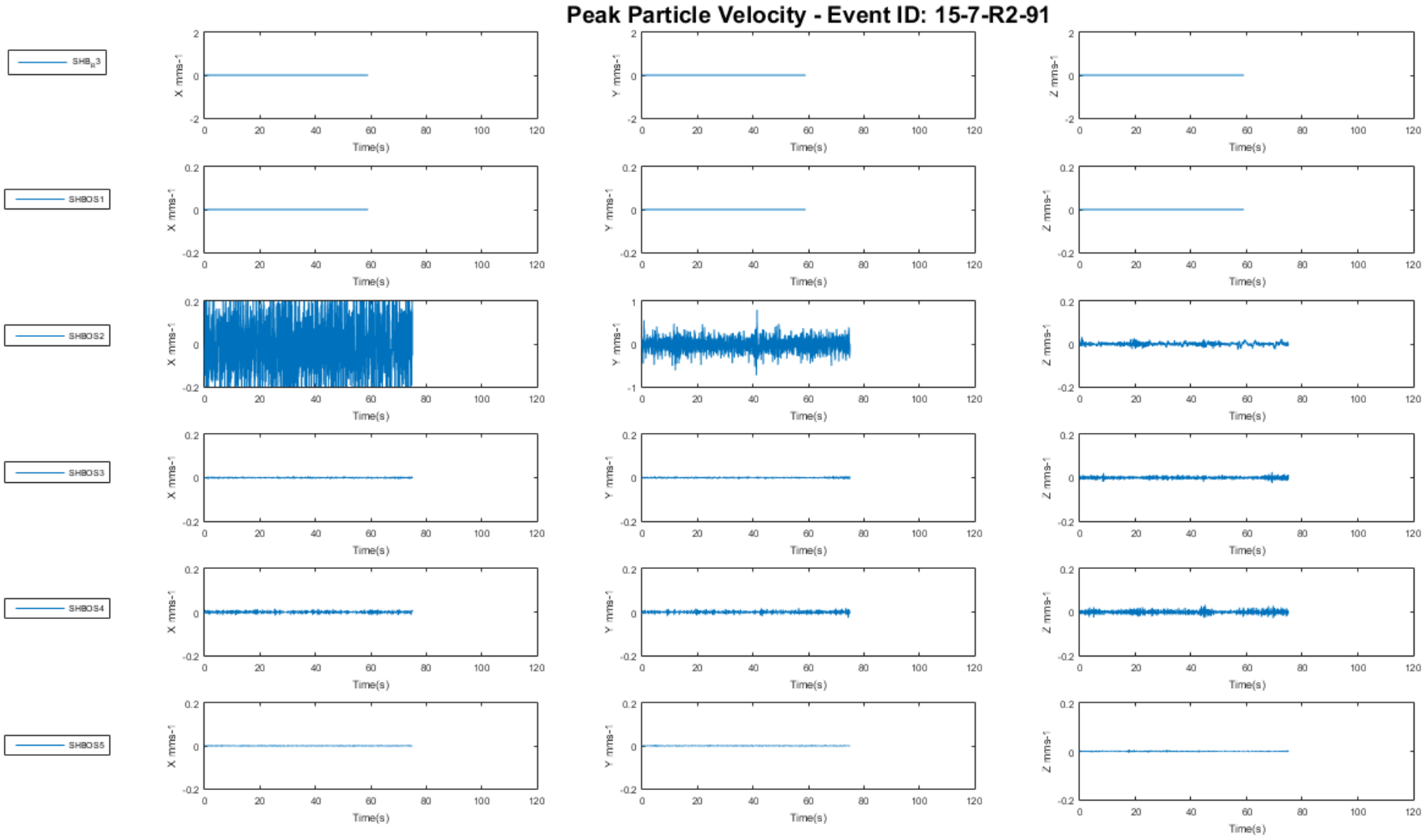


FIGURE 3.310: SHB_OS 1 - 5 15-7-R2-91

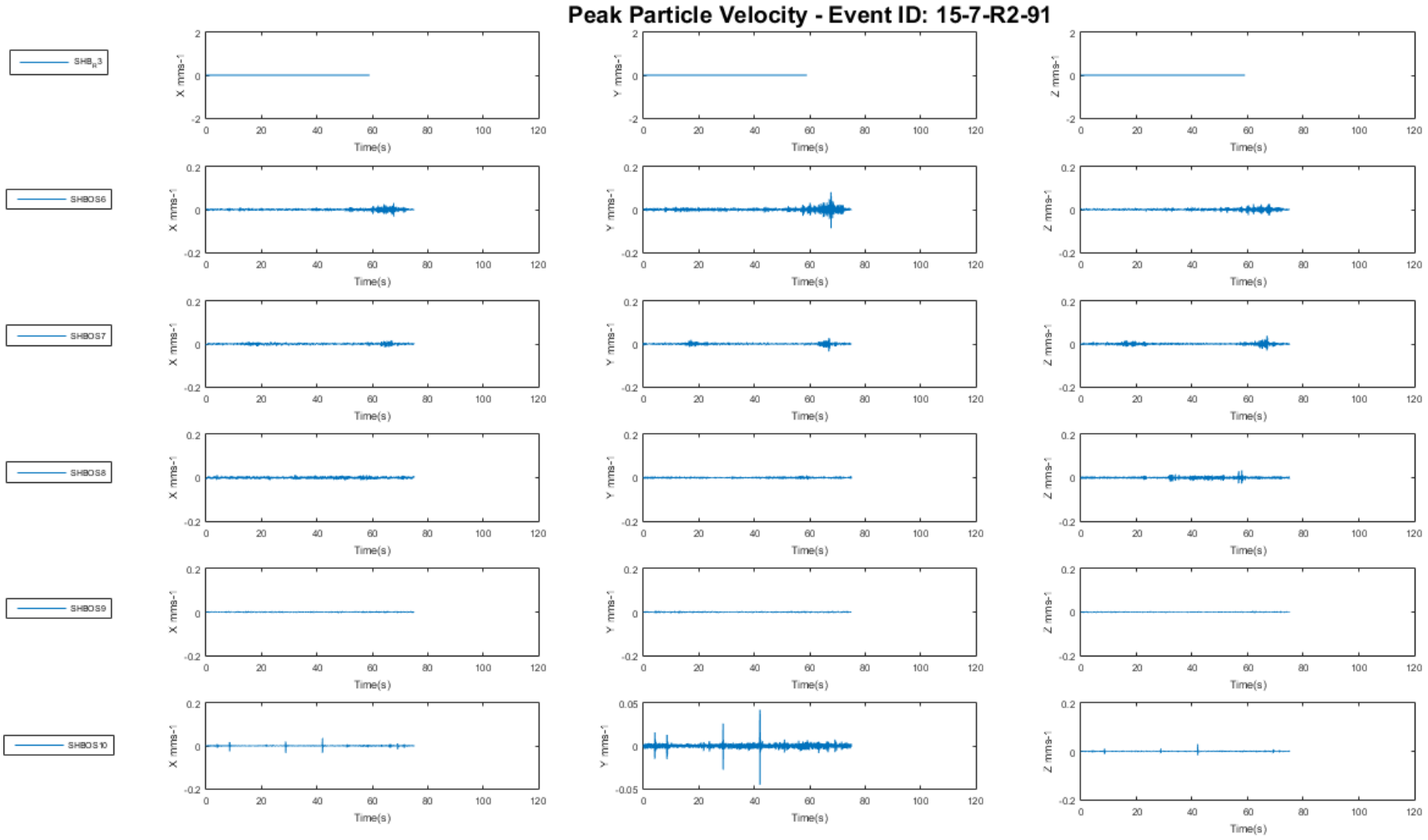


FIGURE 3.311: SHB_OS 6 - 10 15-7-R2-91

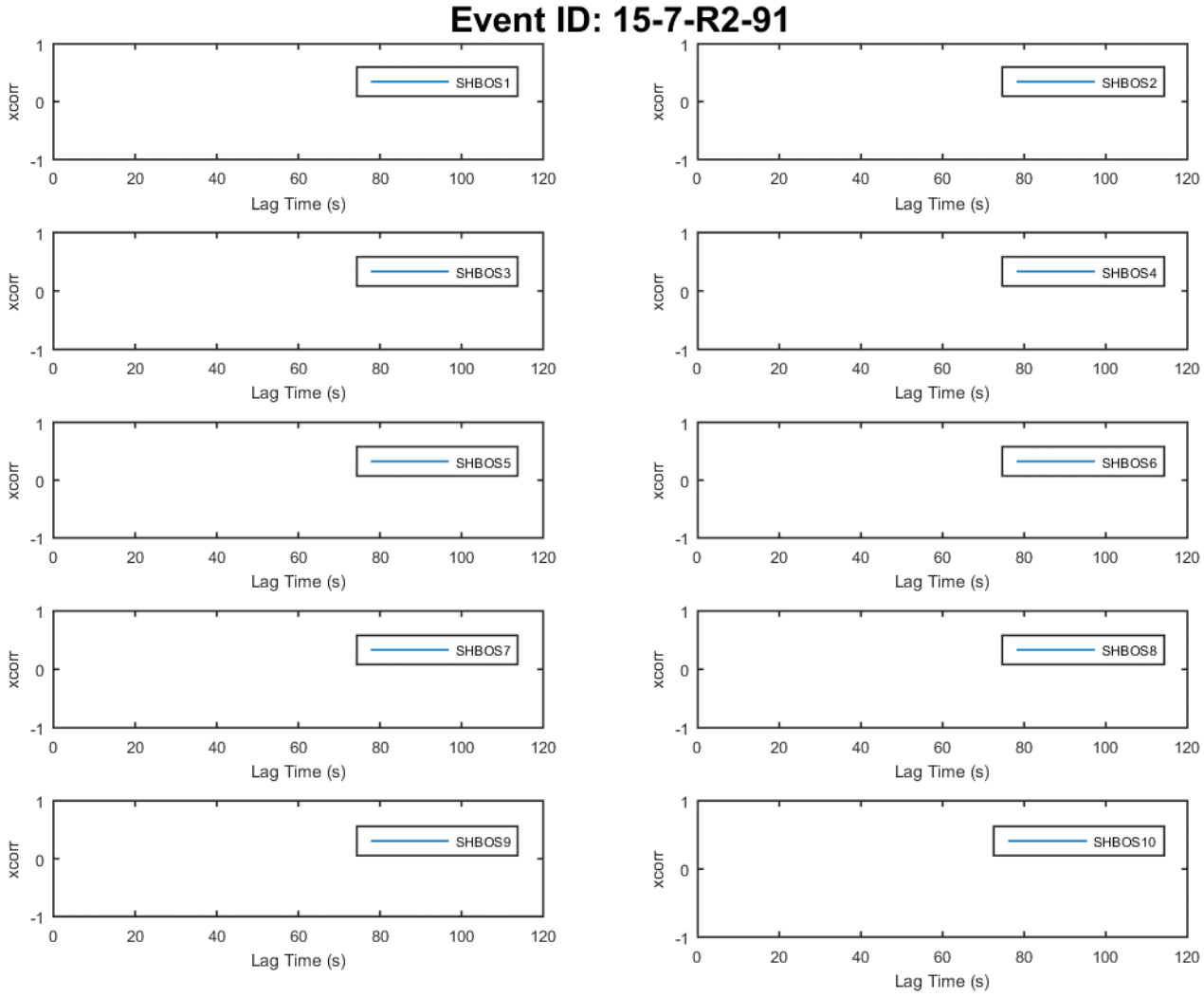


FIGURE 3.312: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-91

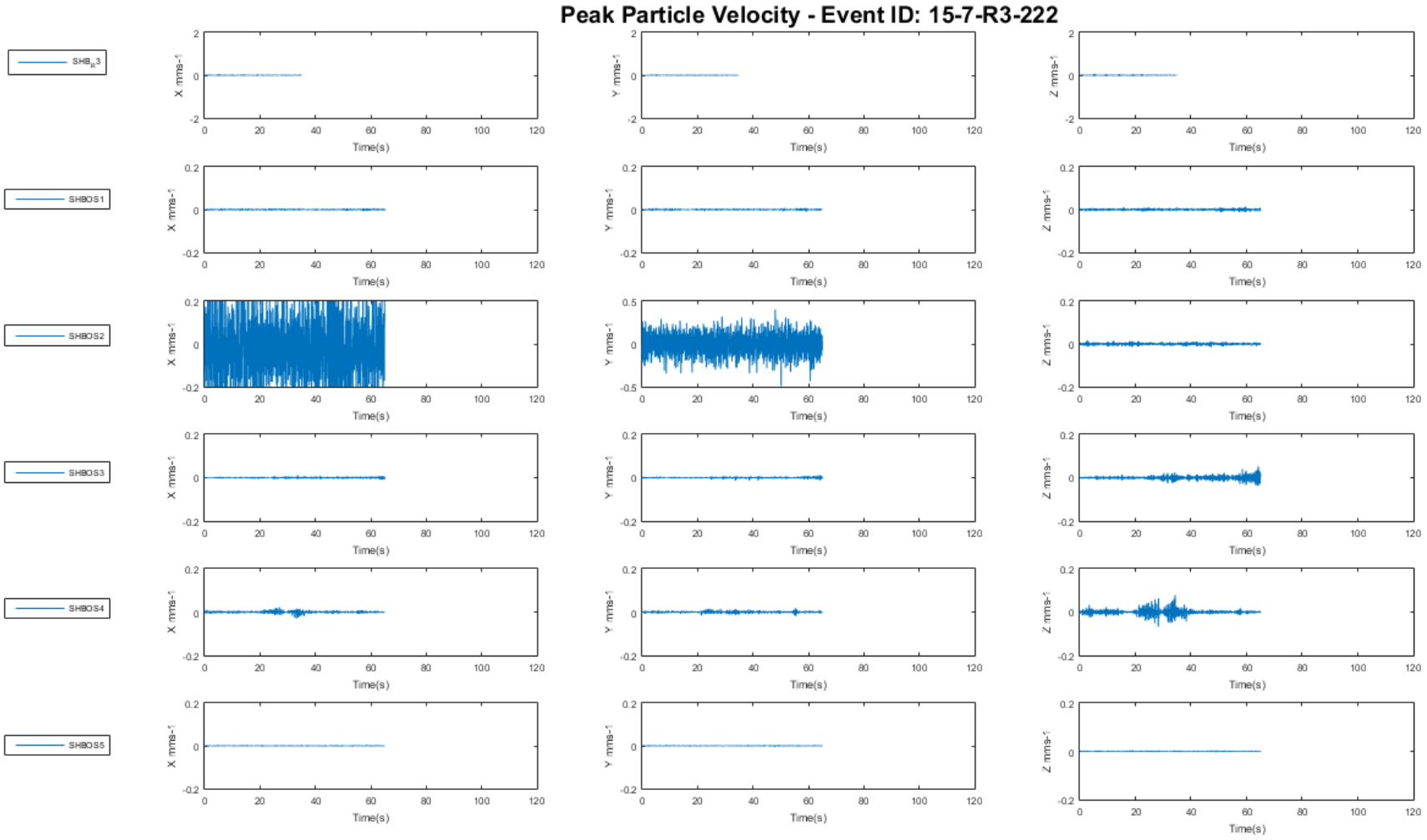


FIGURE 3.313: SHB_OS 1 - 5 15-7-R3-222

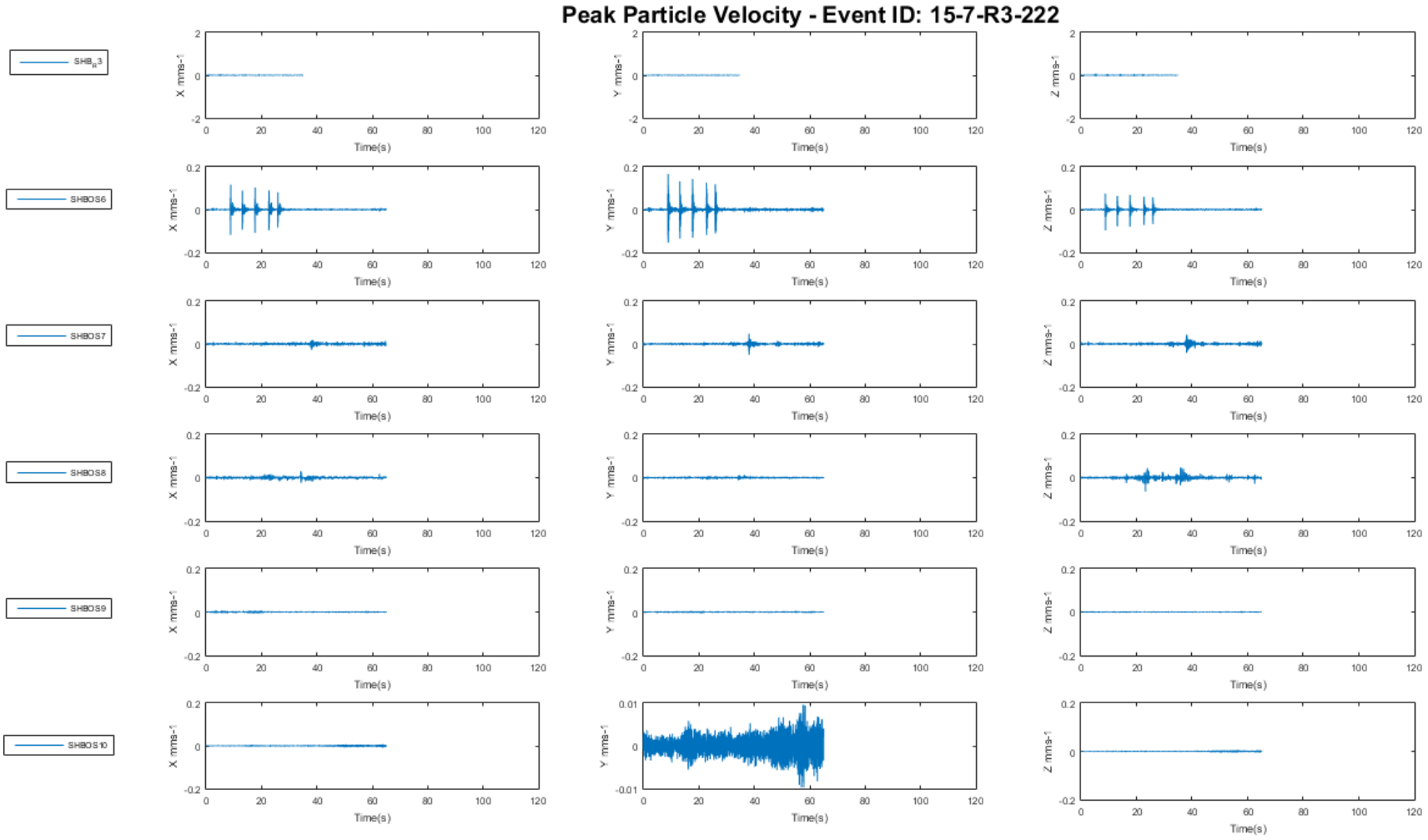


FIGURE 3.314: SHB_OS 6 - 10 15-7-R3-222

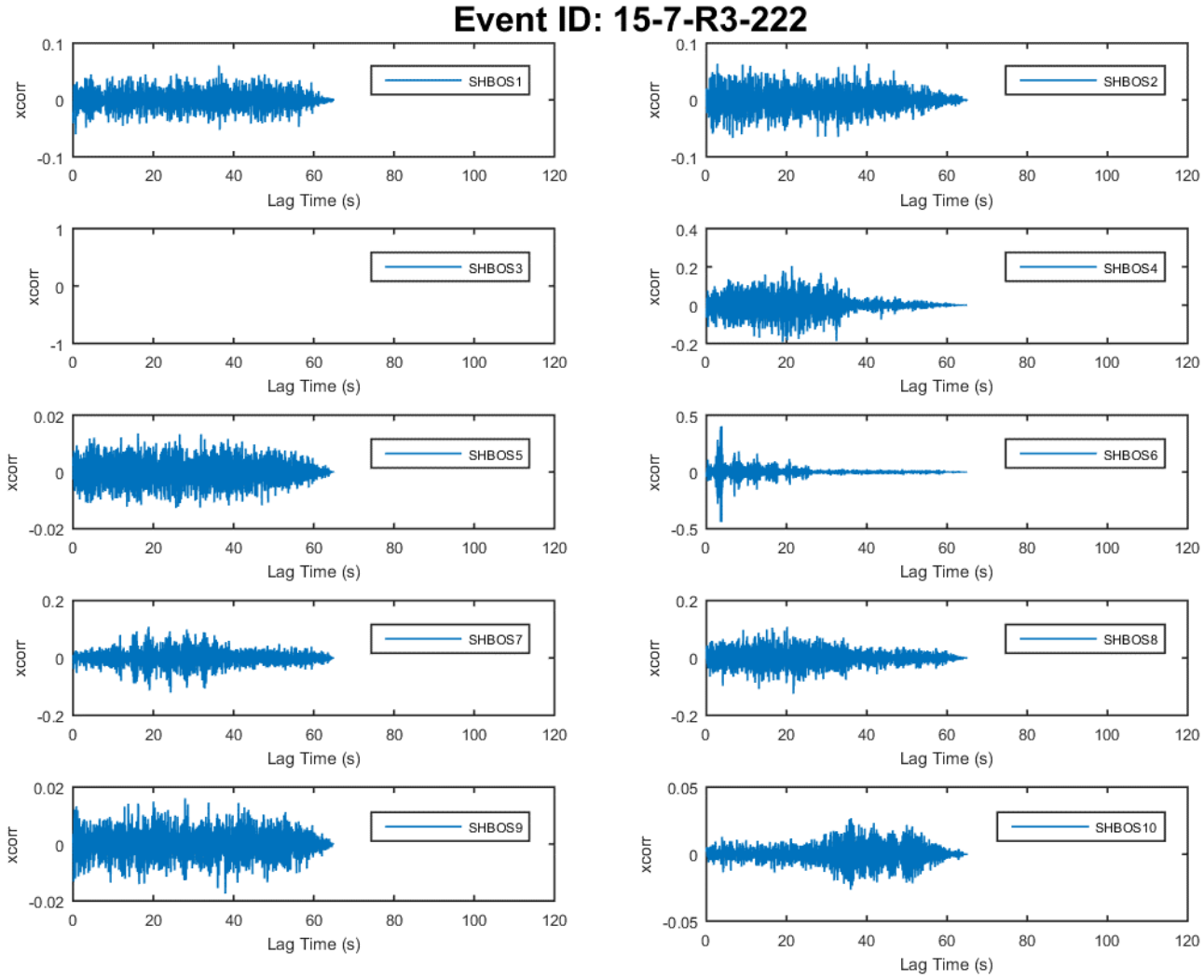


FIGURE 3.315: CROSS CORRELATION SHB_OS 1 - 10 15-7-R3-222

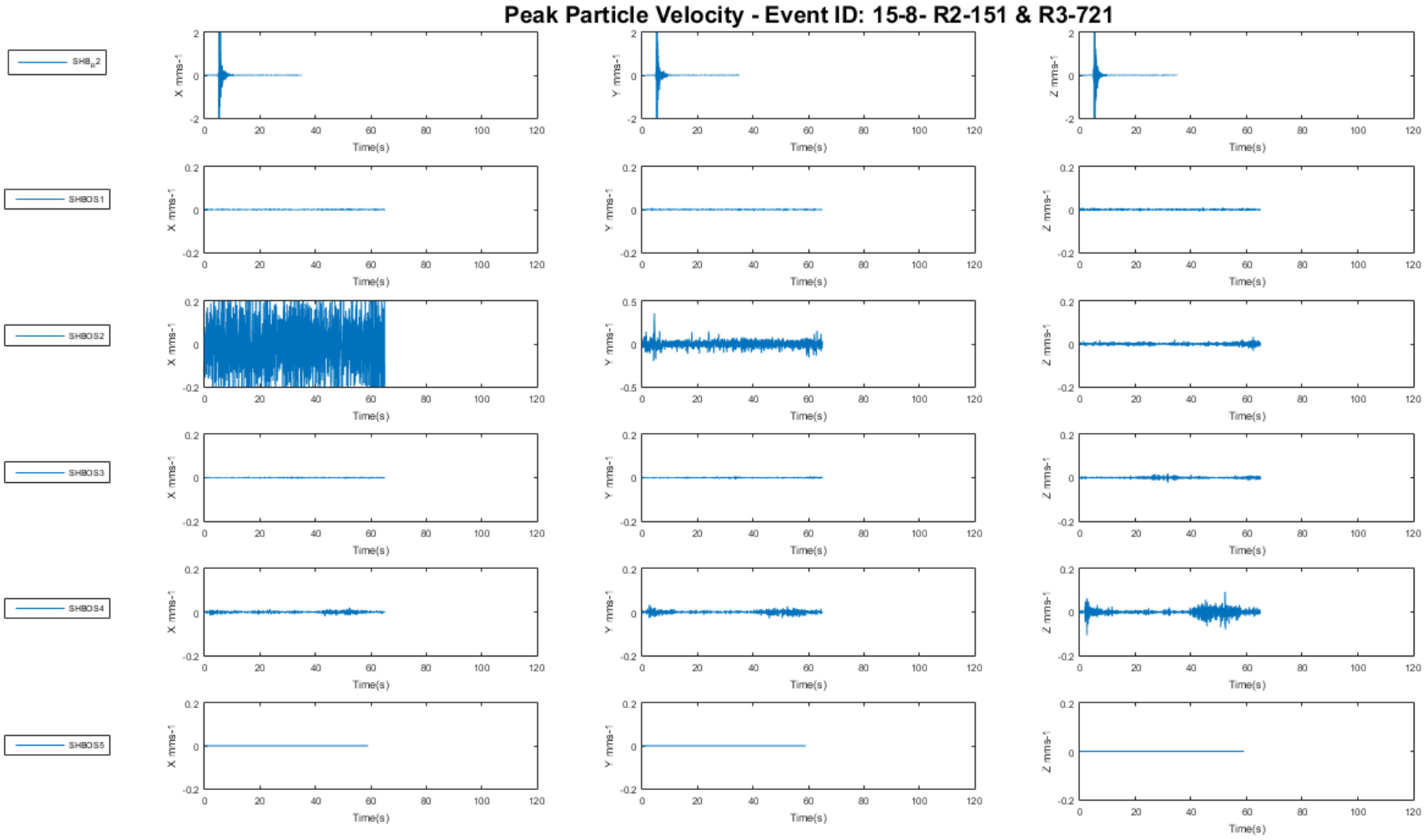


FIGURE 3.316: SHB_OS 1 - 5 15-8- R2-151 & R3-721

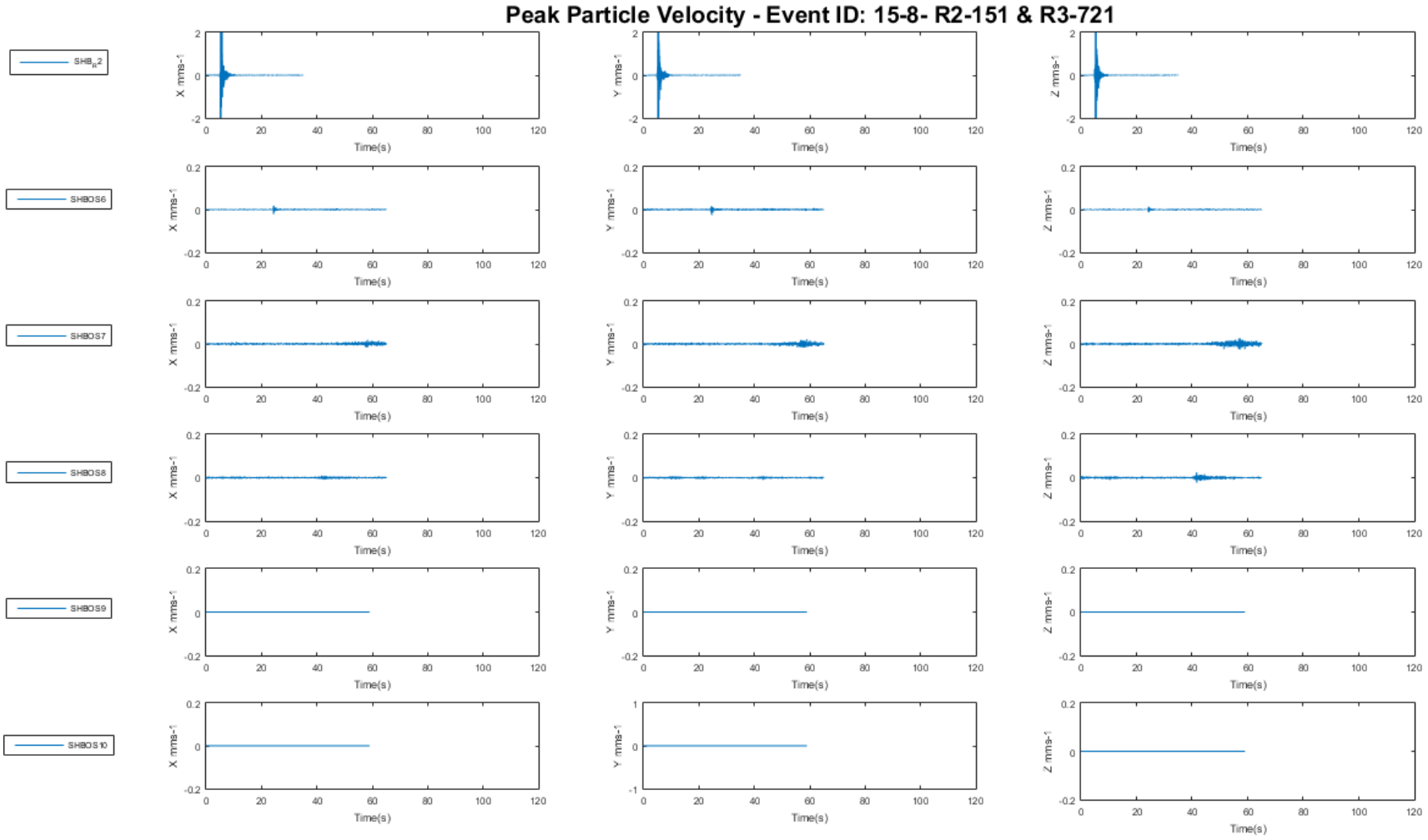


FIGURE 3.317: SHB_OS 6 - 10 15-8- R2-151 & R3-721

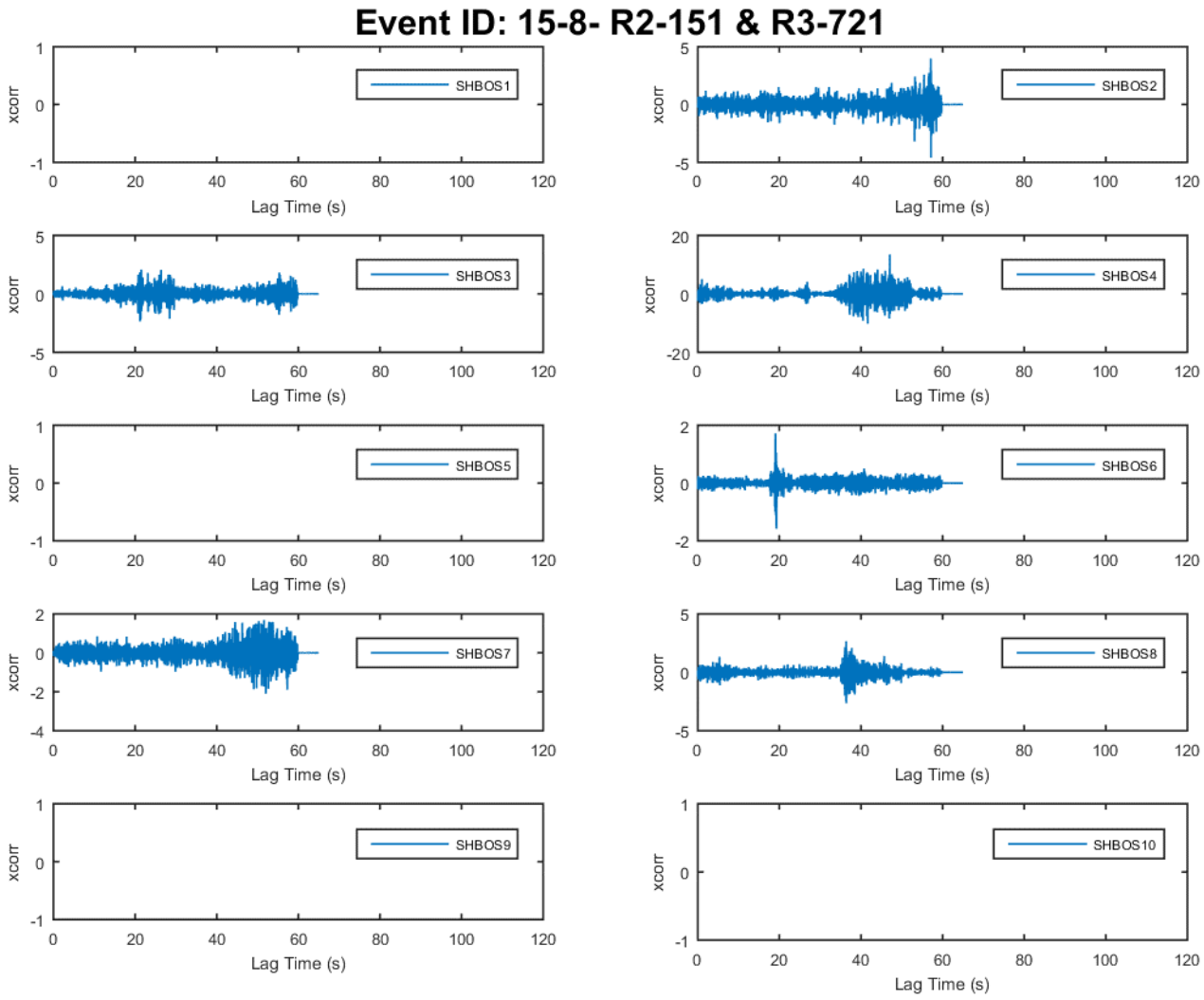


FIGURE 3.318: CROSS CORRELATION SHB_OS 1 - 10 15-8- R2-151 & R3-721

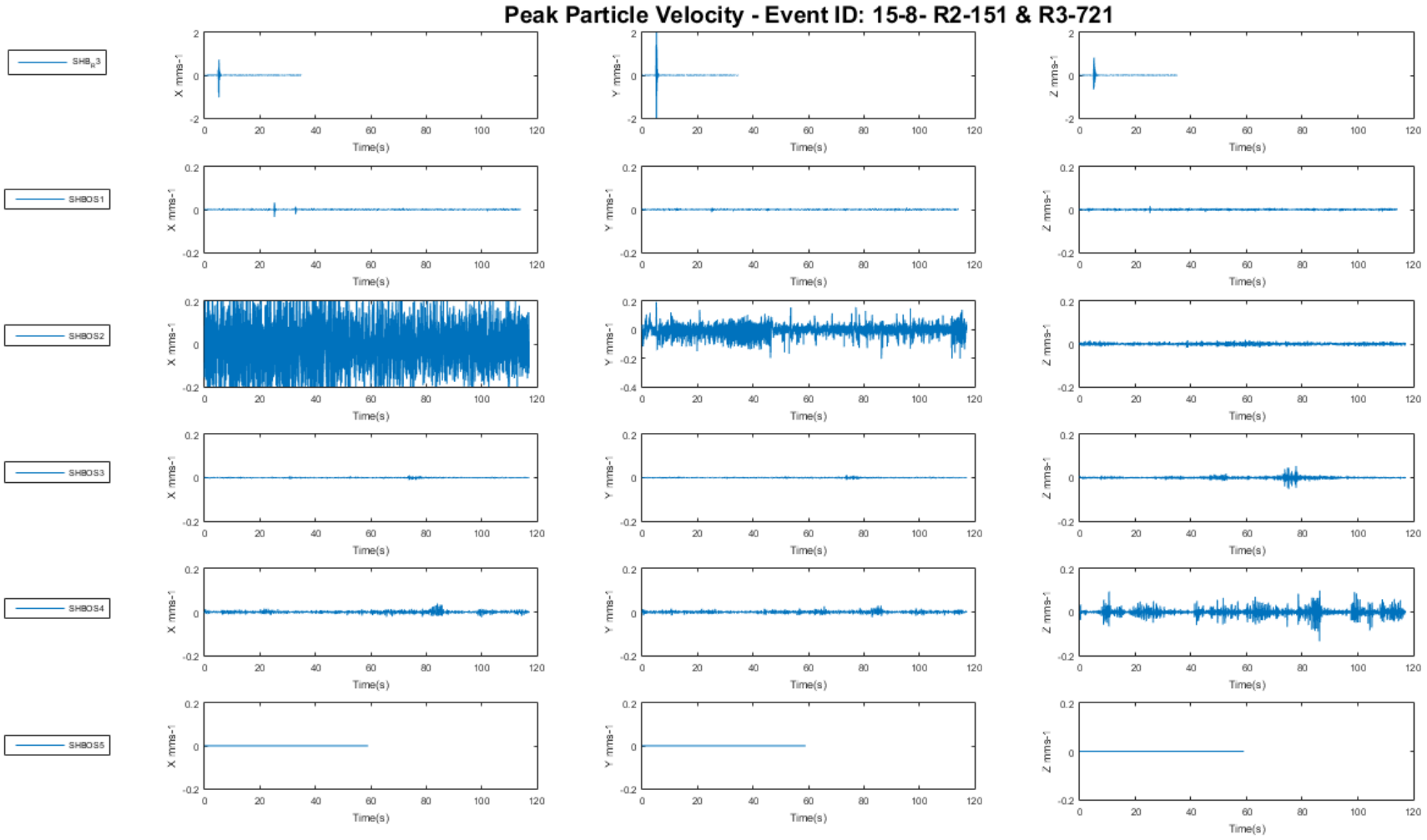


FIGURE 3.319: SHB_OS 1 - 5 15-8- R2-151 & R3-721

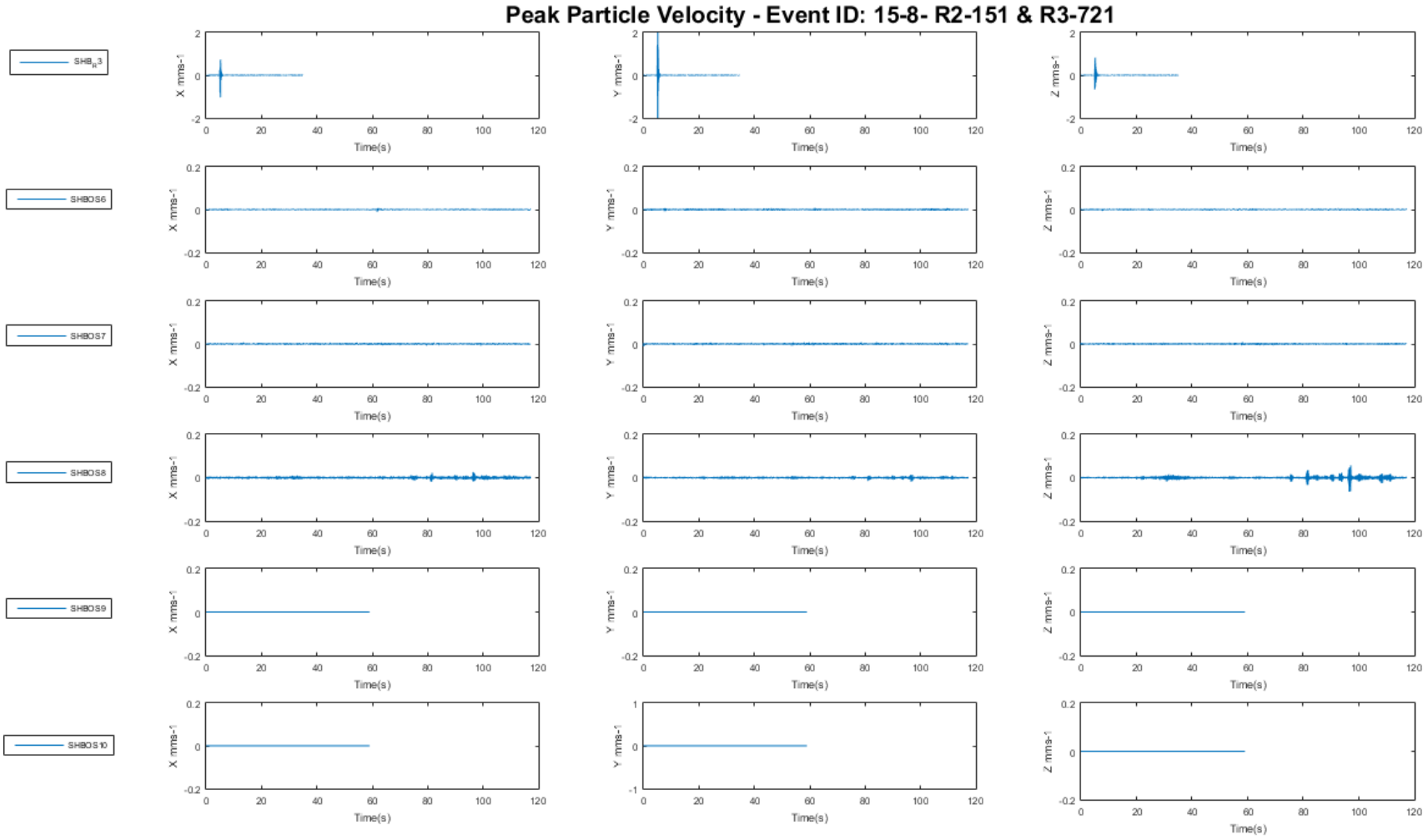


FIGURE 3.320: SHB_OS 6 - 10 15-8- R2-151 & R3-721

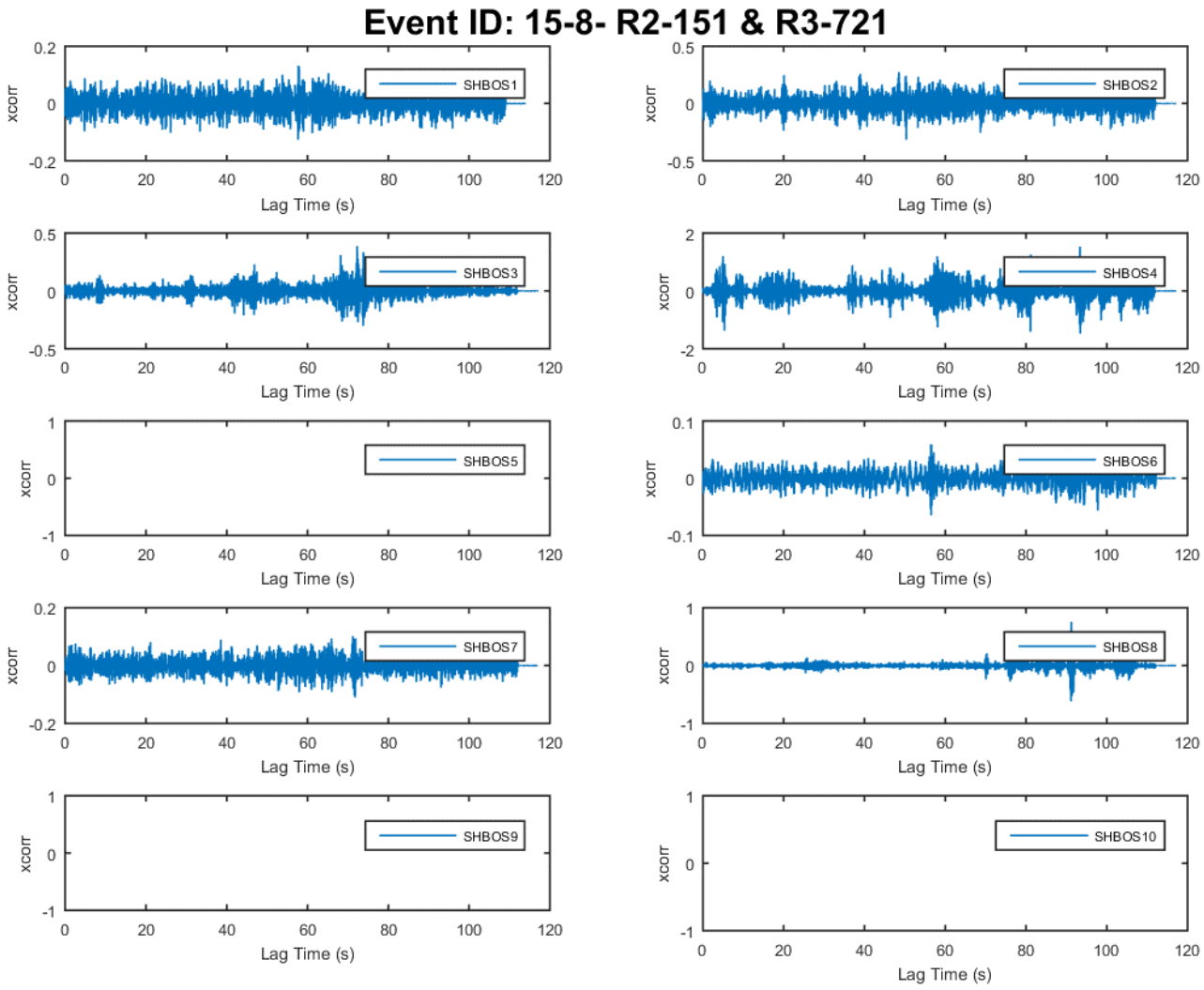


FIGURE 3.321: CROSS CORRELATION SHB_OS 1 - 10 15-8- R2-151 & R3-721

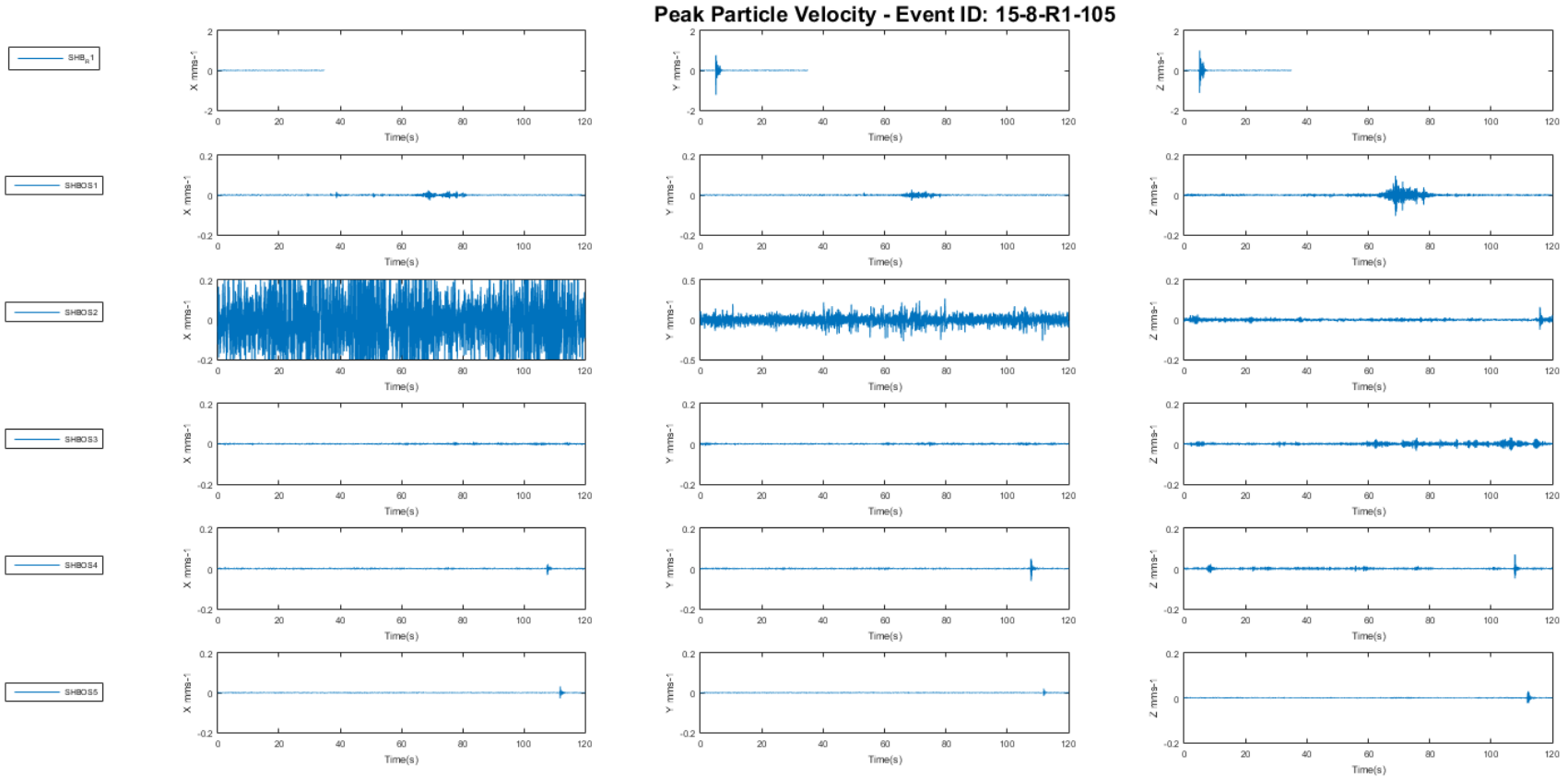
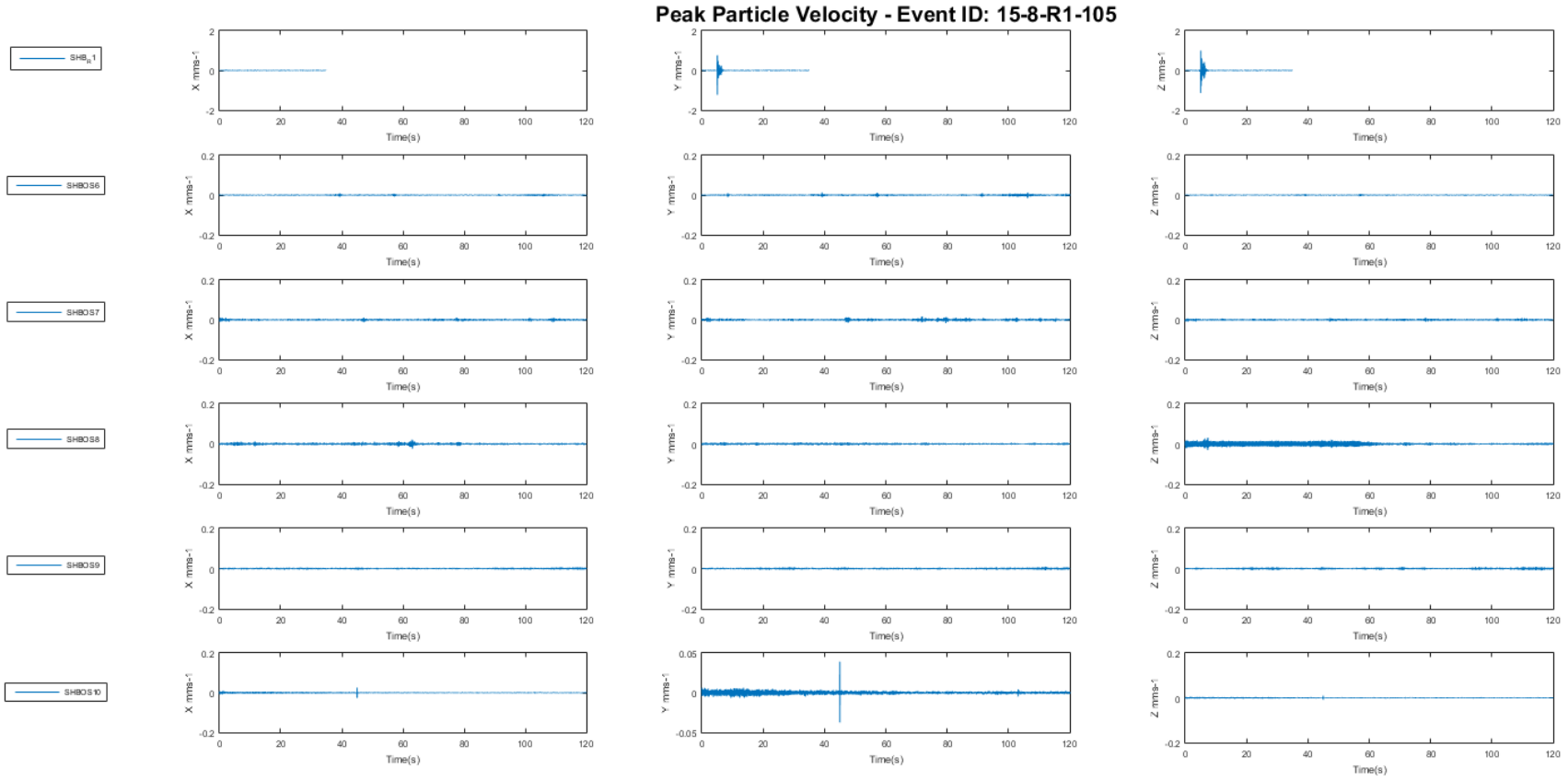


FIGURE 3.322: SHB_OS 1 - 5 15-8-R1-105

FIGURE 3.323: SHB_OS 6 - 10 15-8-R1-105



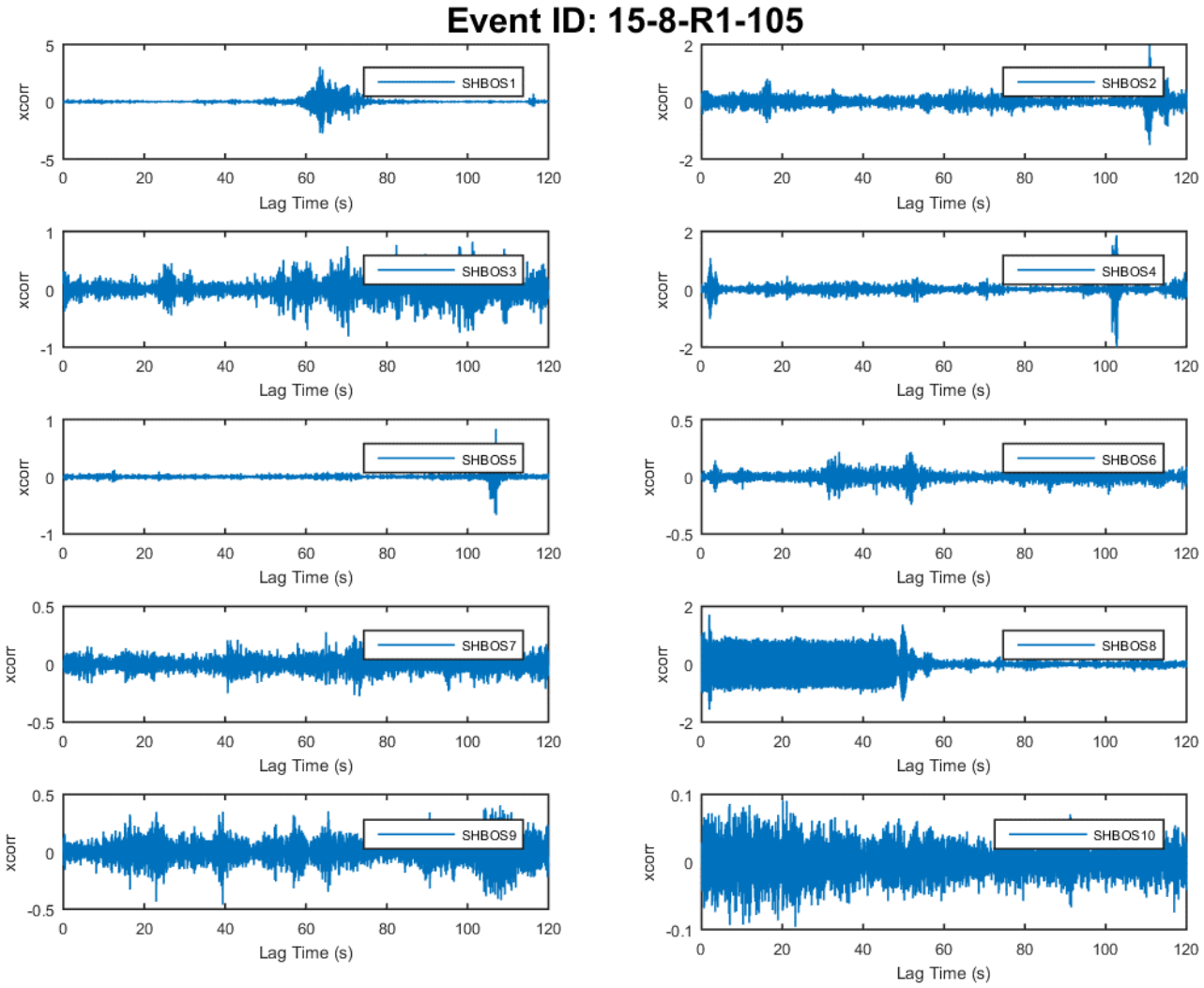


FIGURE 3.324: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-105

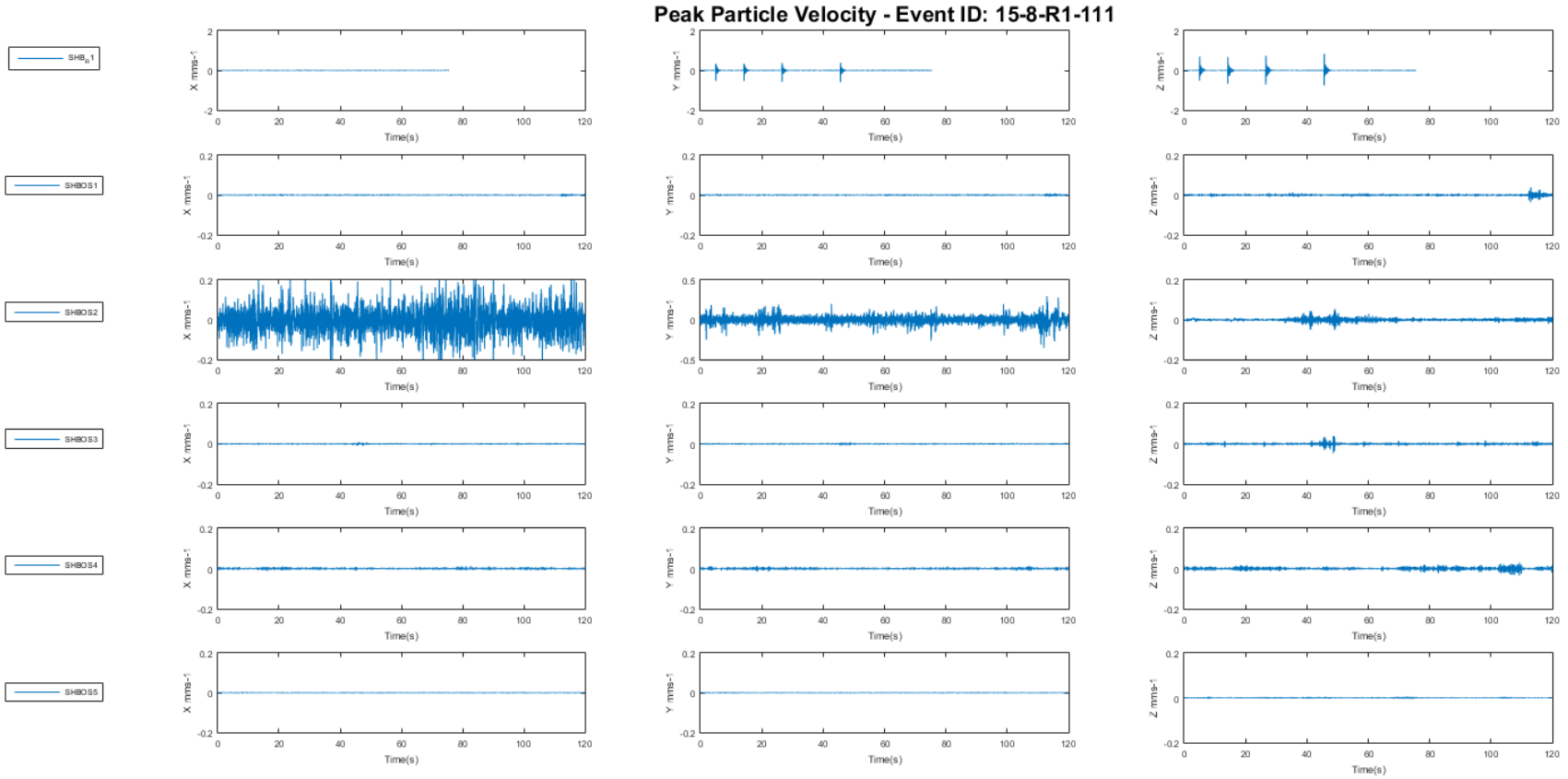


FIGURE 3.325: SHB_OS 1 - 5 15-8-R1-111

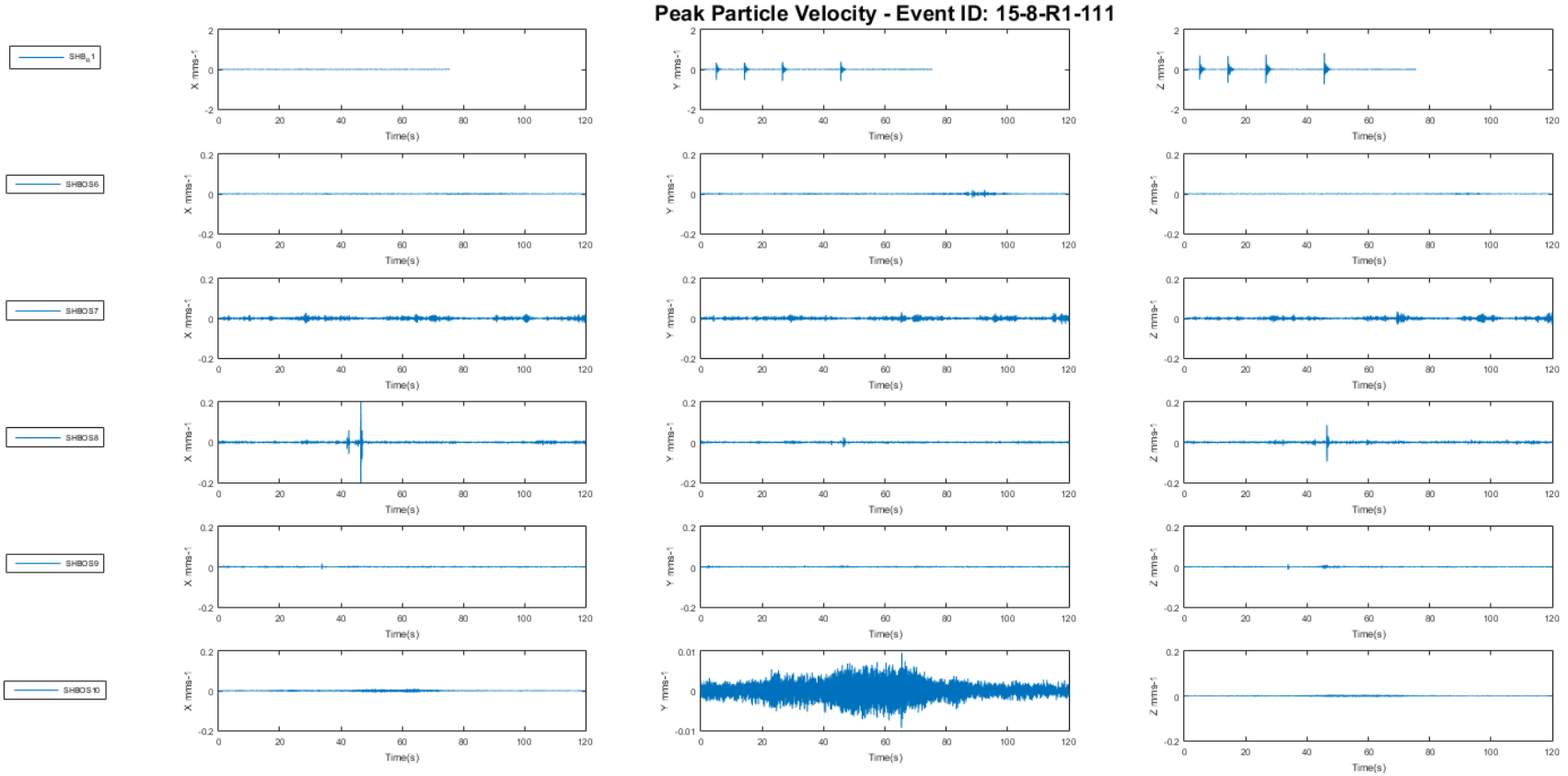


FIGURE 3.326: SHB_OS 6 - 10 15-8-R1-111

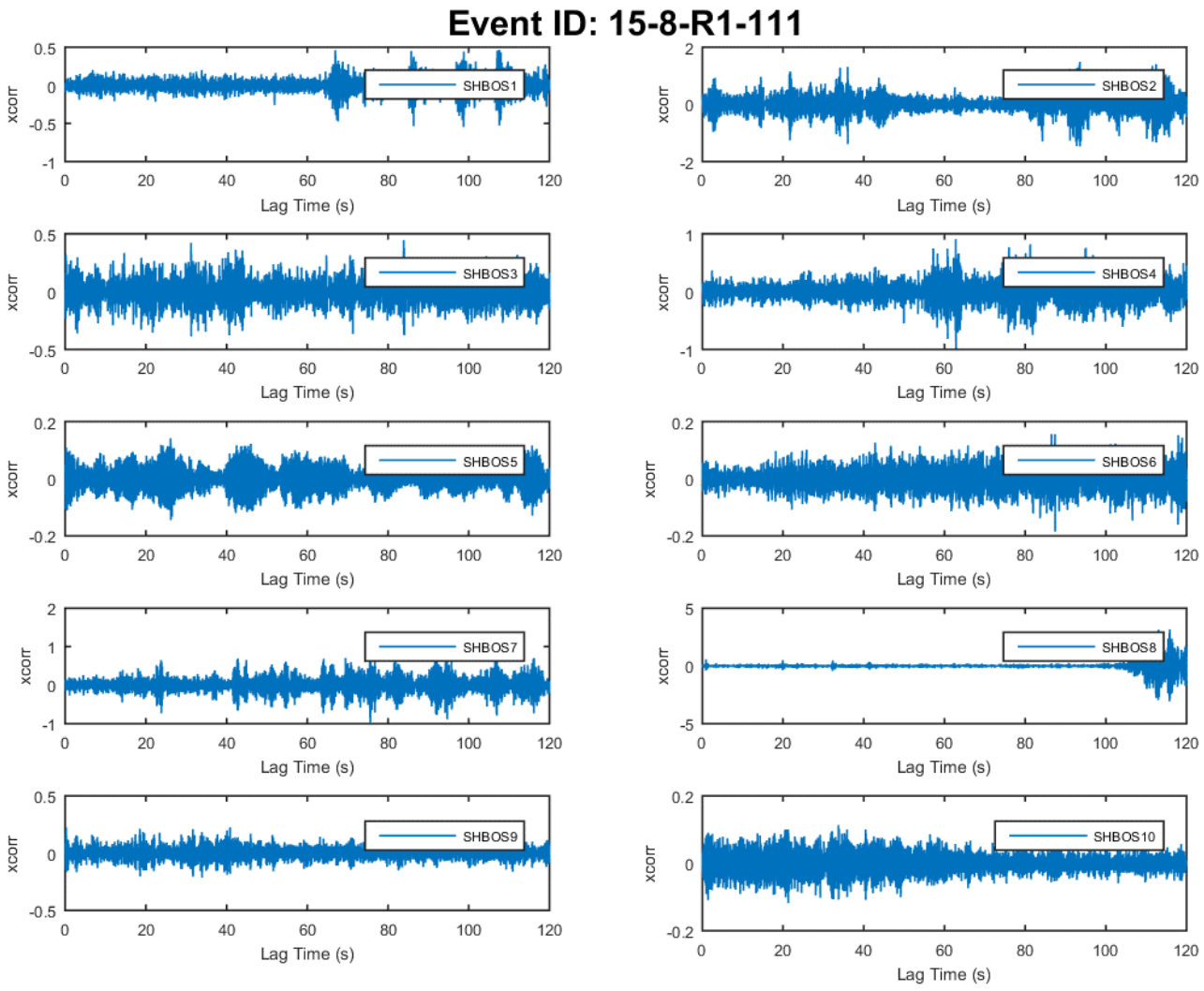


FIGURE 3.327: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-111

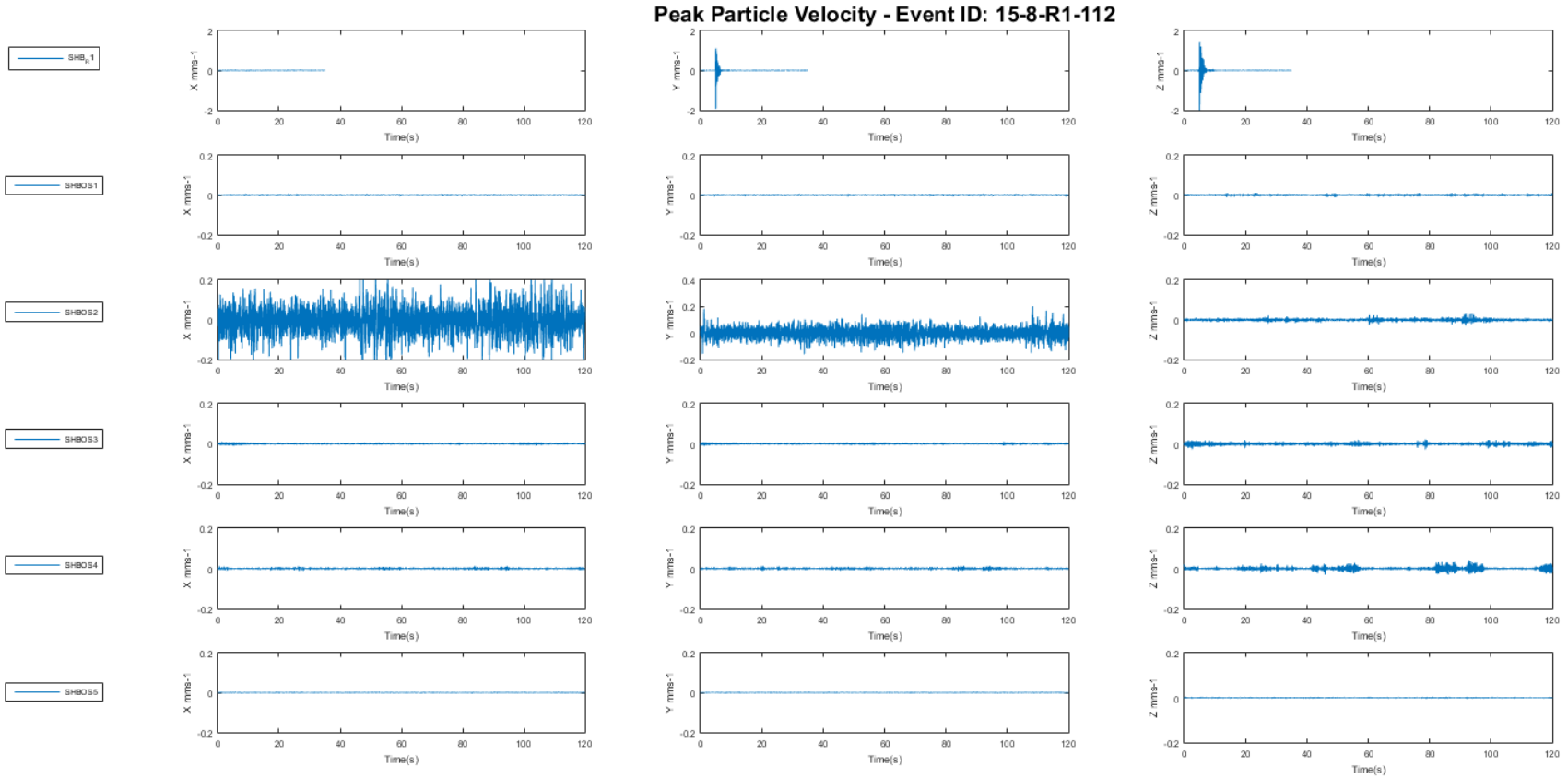


FIGURE 3.328: SHB_OS 1 - 5 15-8-R1-112

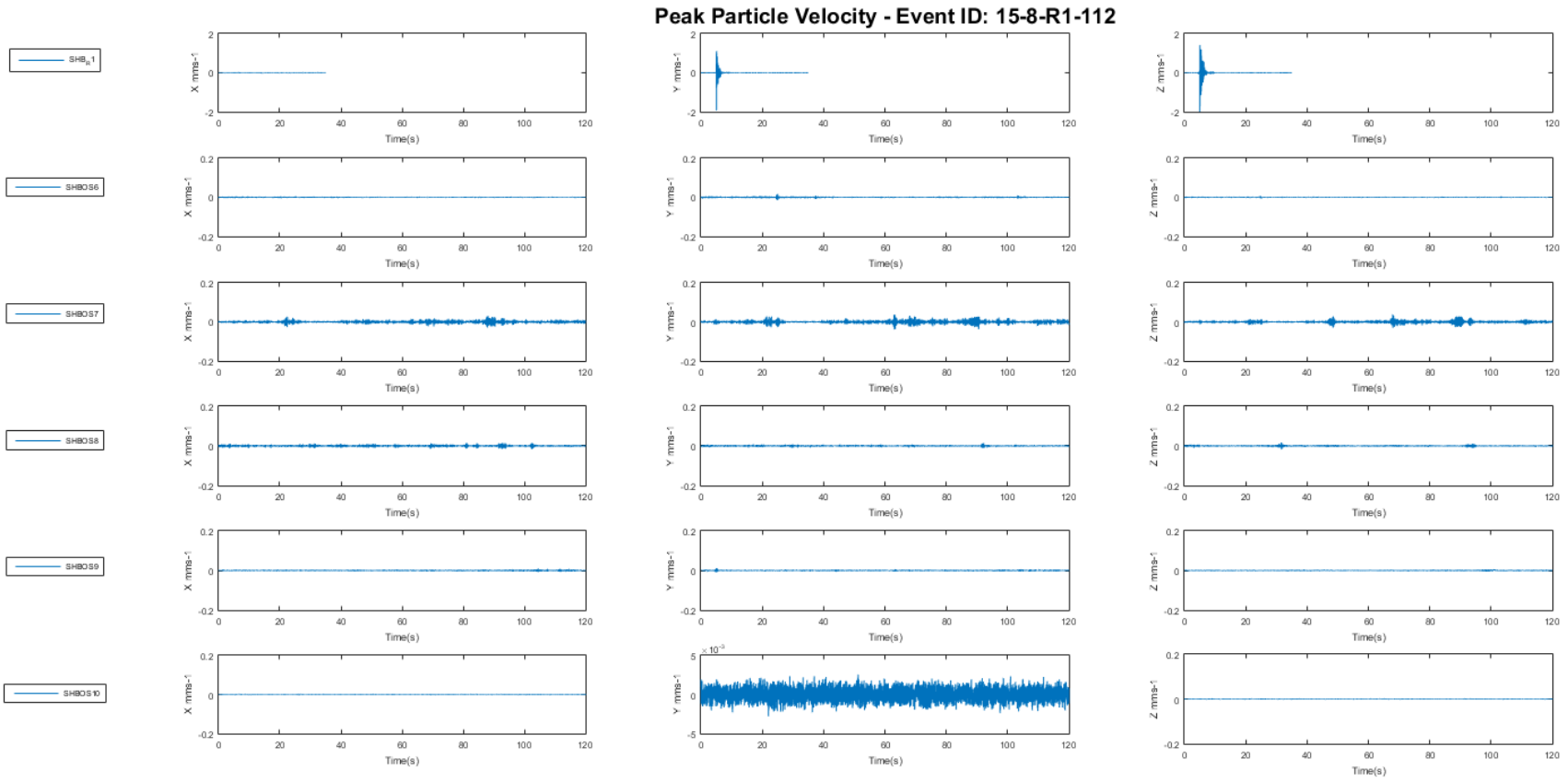


FIGURE 3.329: SHB_OS 6 - 10 15-8-R1-112

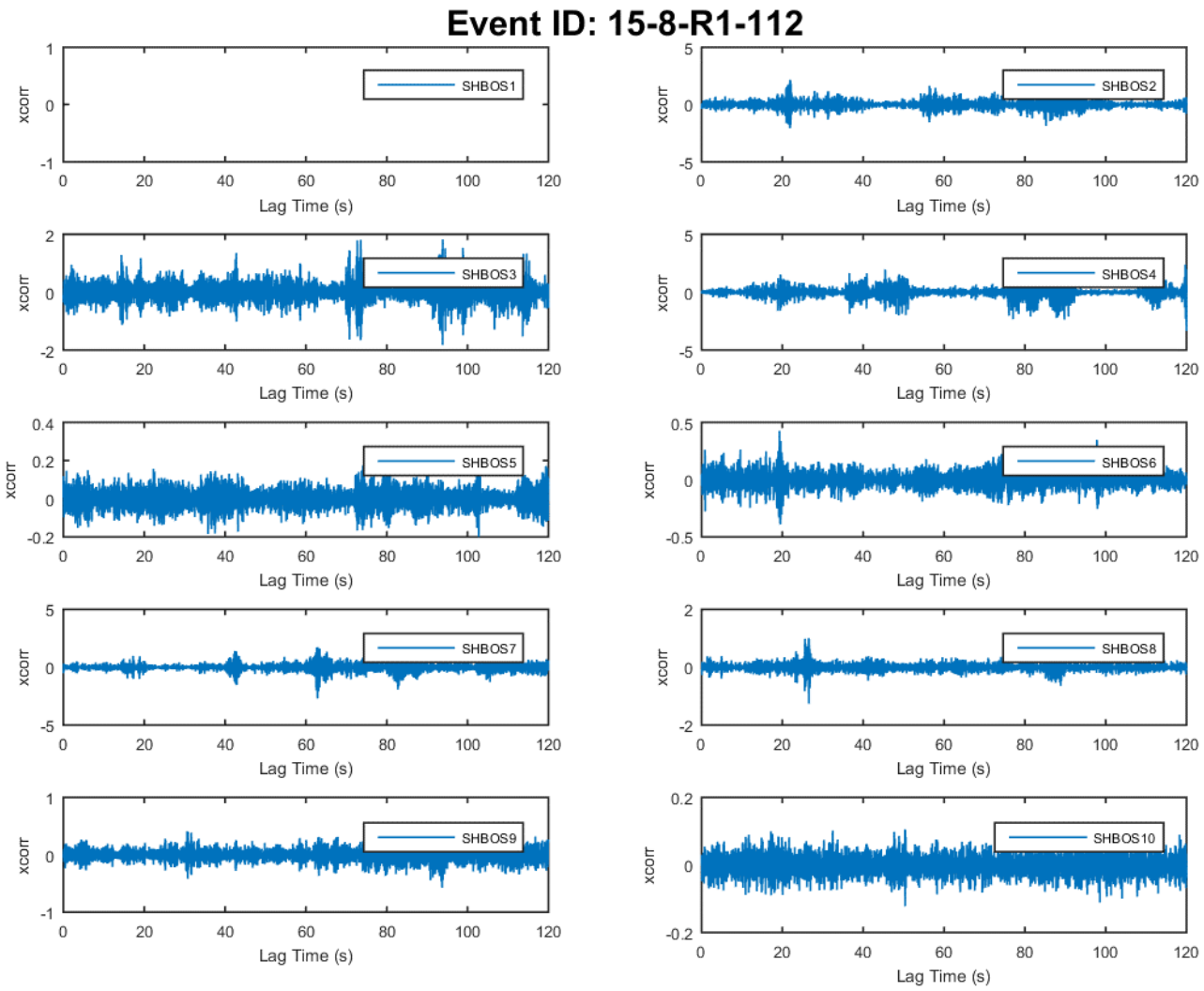


FIGURE 3.330: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-112

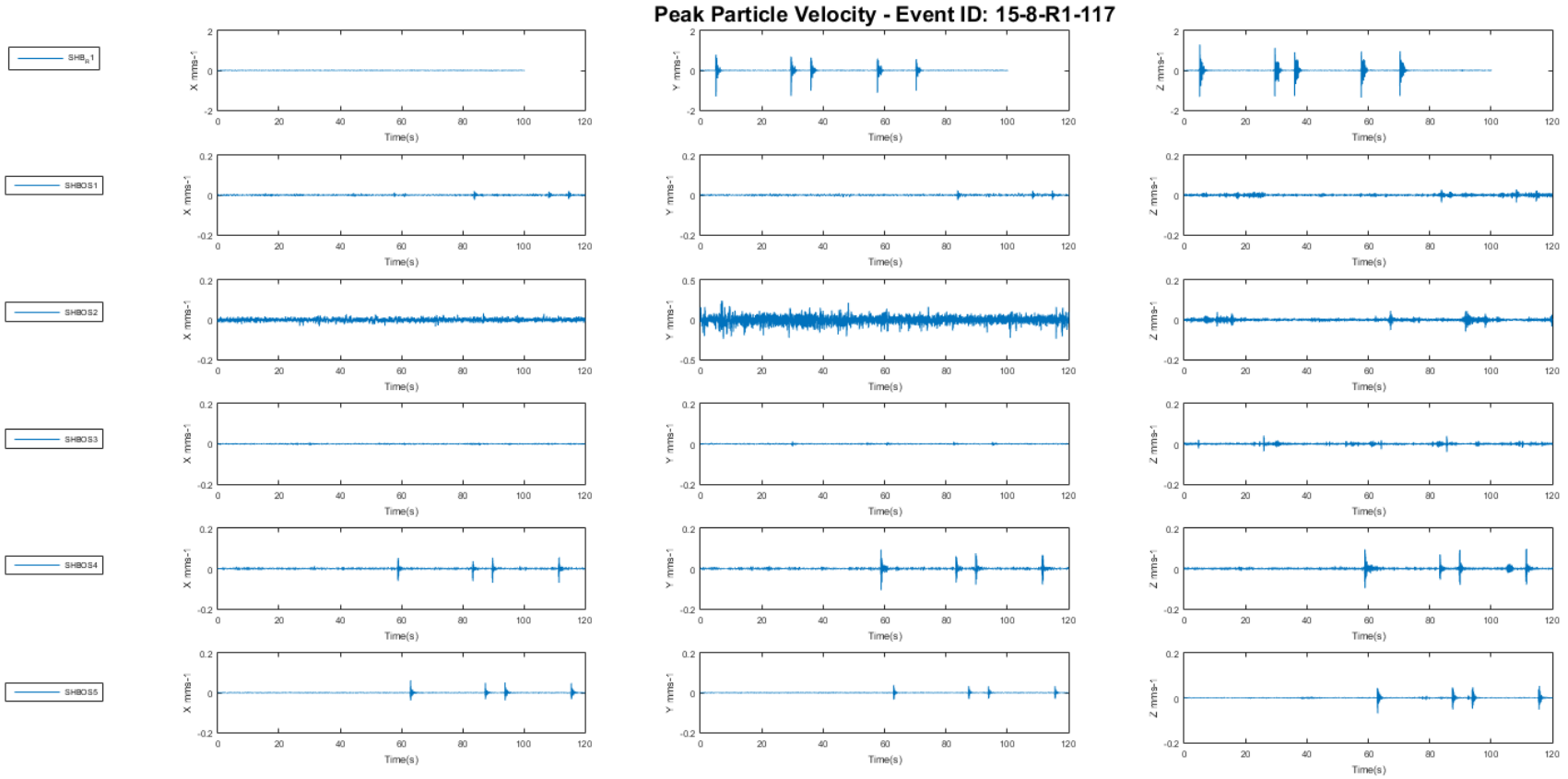


FIGURE 3.331: SHB_OS 1 - 5 15-8-R1-117

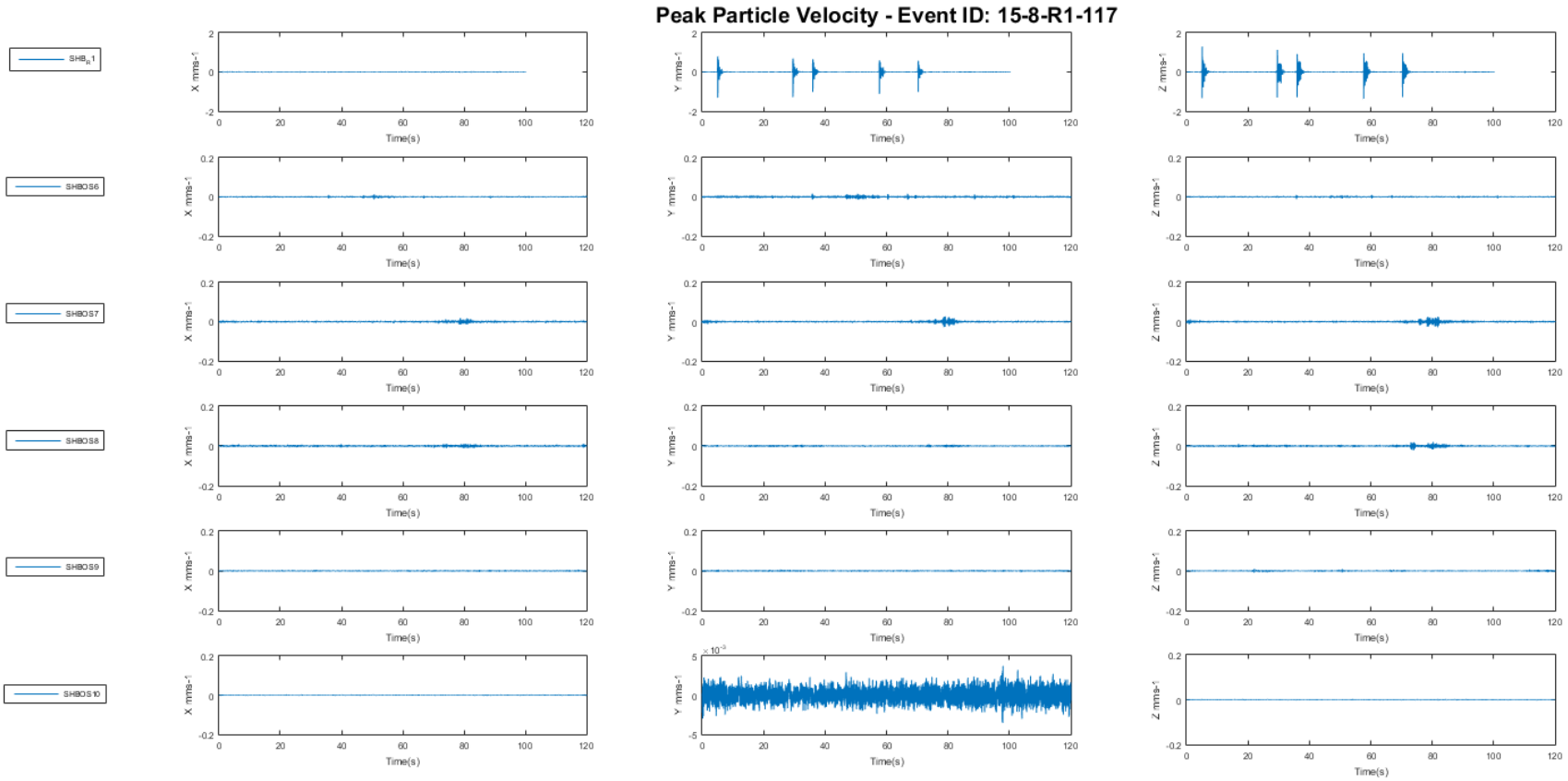


FIGURE 3.332: SHB_OS 6 - 10 15-8-R1-117

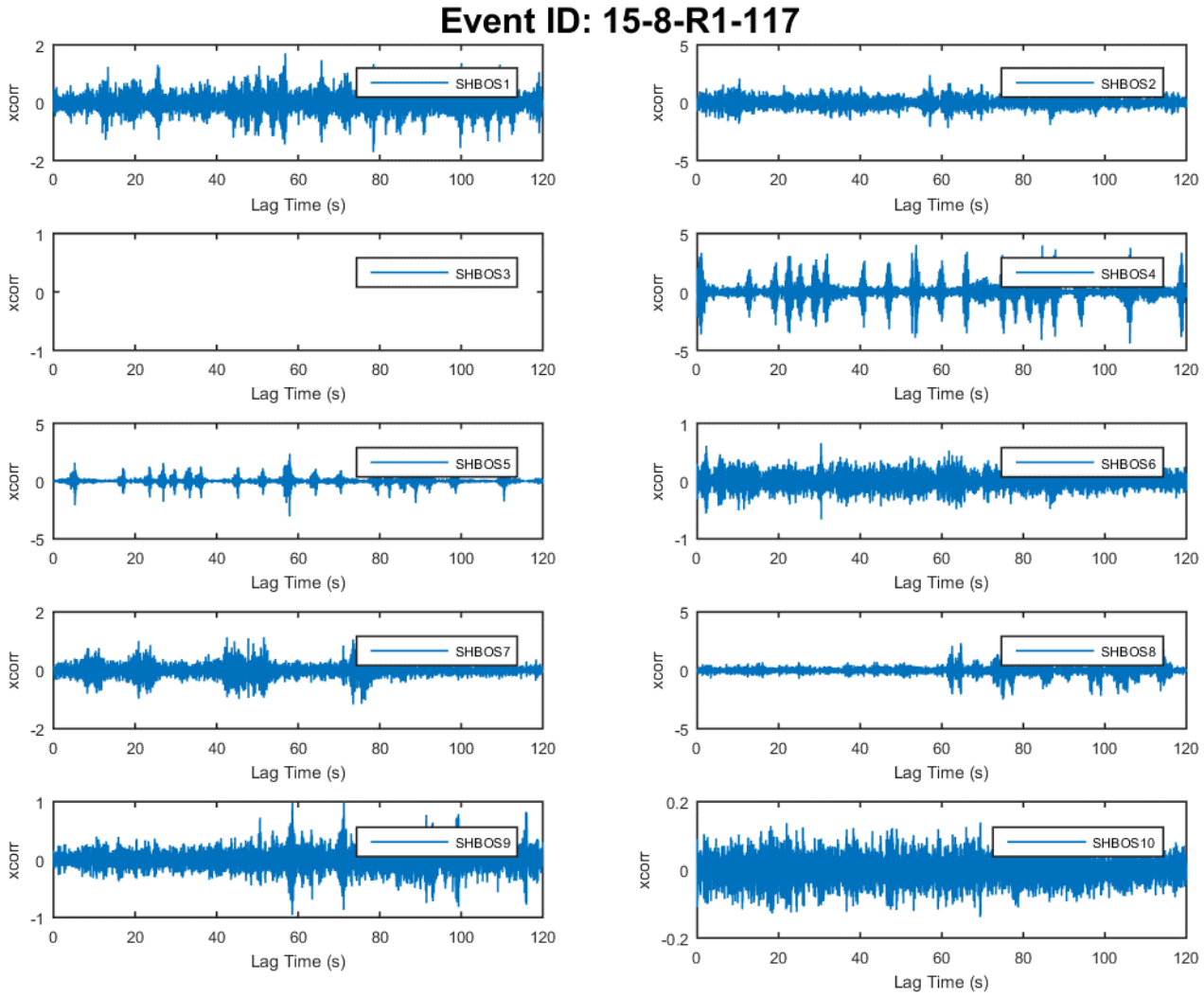


FIGURE 3.333: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-117

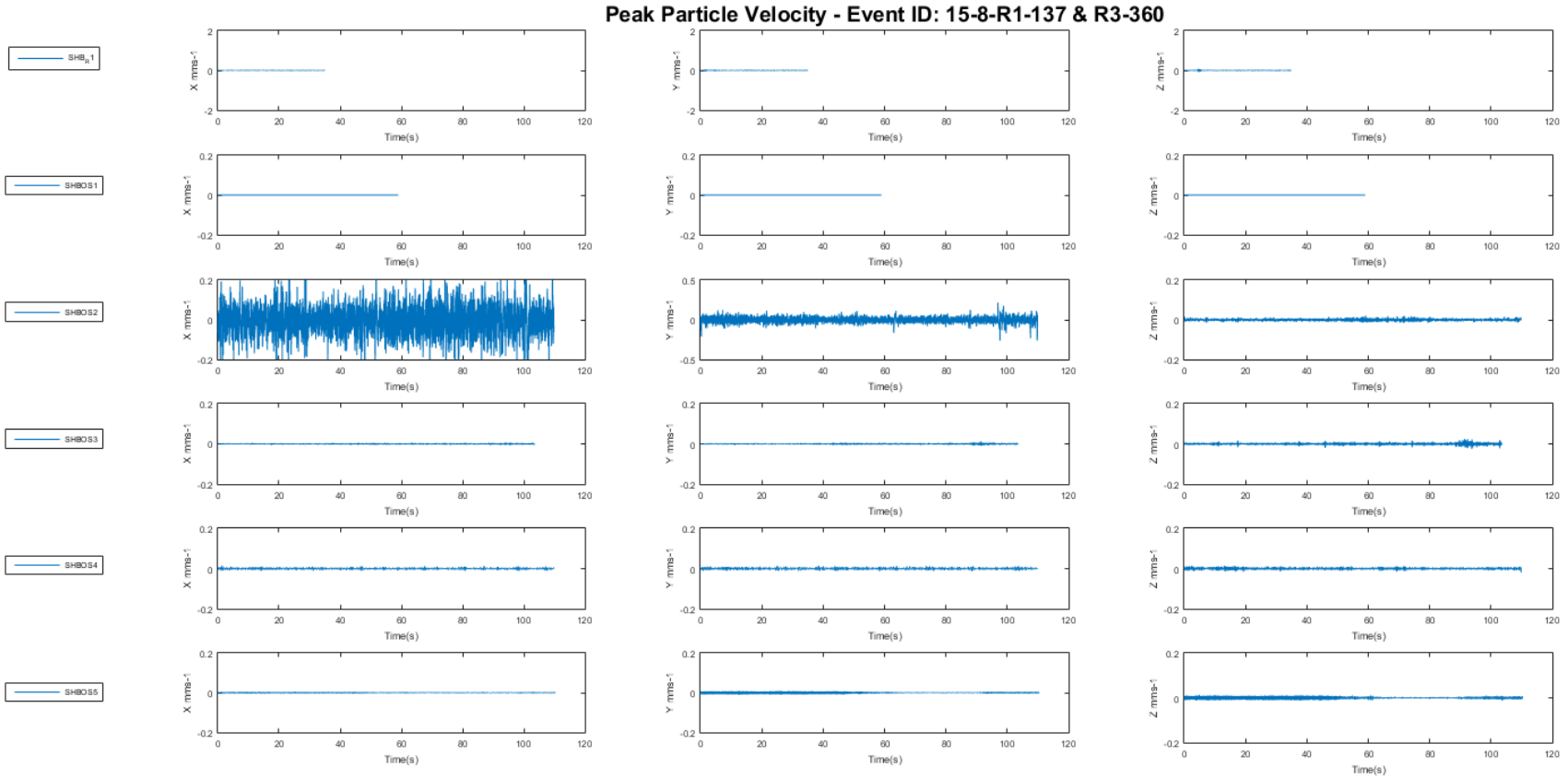


FIGURE 3.334: SHB_OS 1 - 5 15-8-R1-137 & R3-360

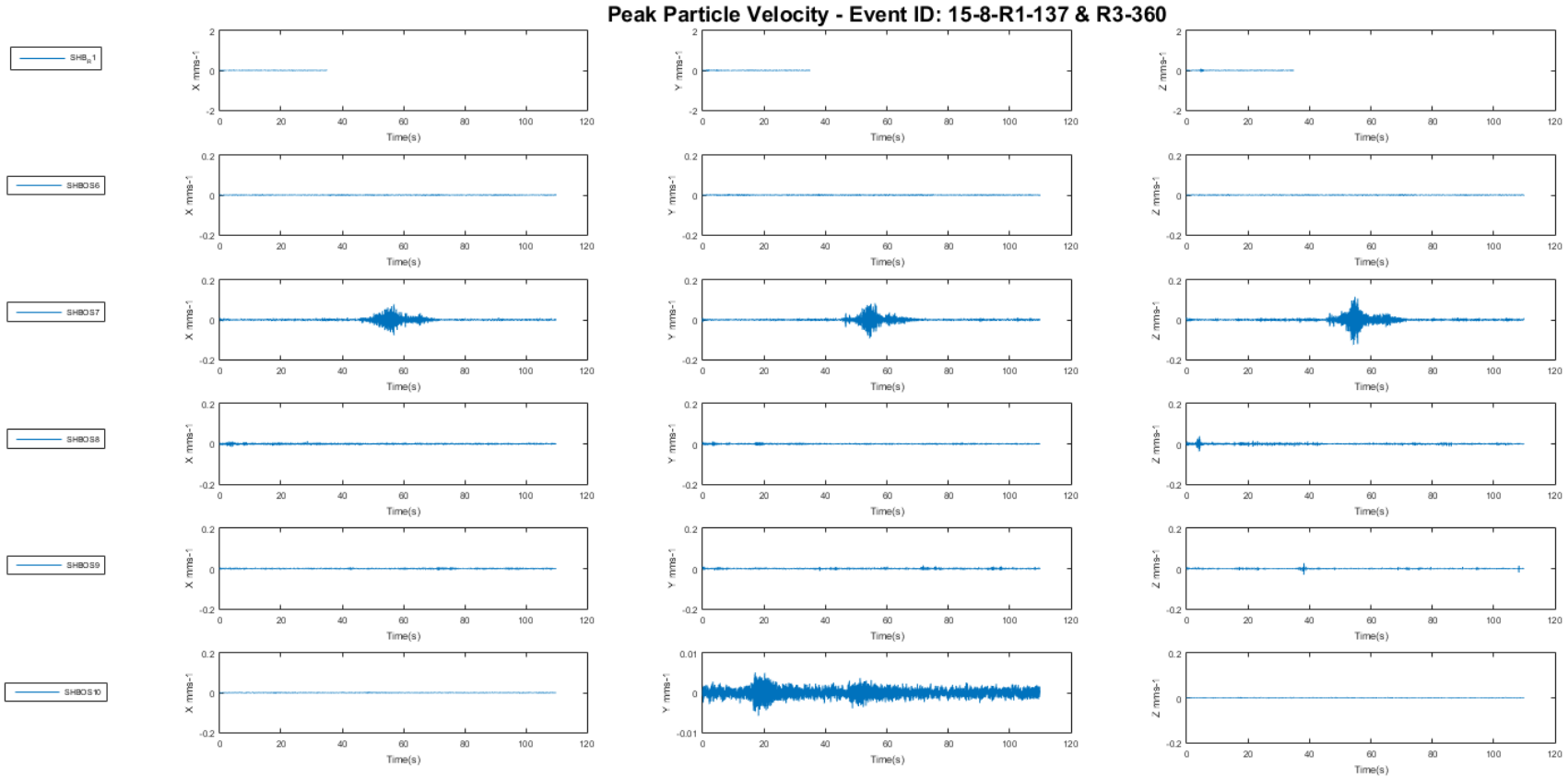


FIGURE 3.335: SHB_OS 6 - 10 15-8-R1-137 & R3-360

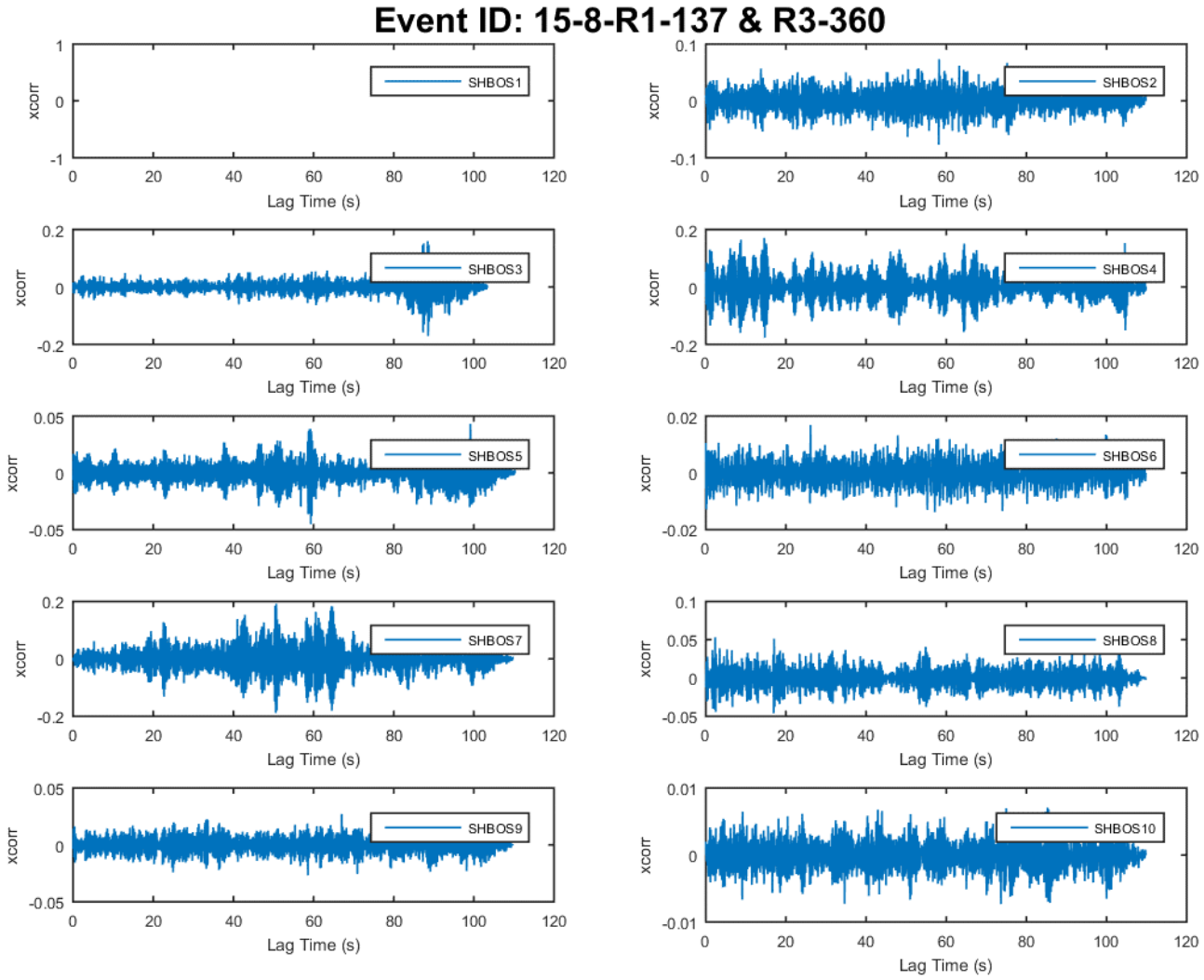


FIGURE 3.336: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-137 & R3-360

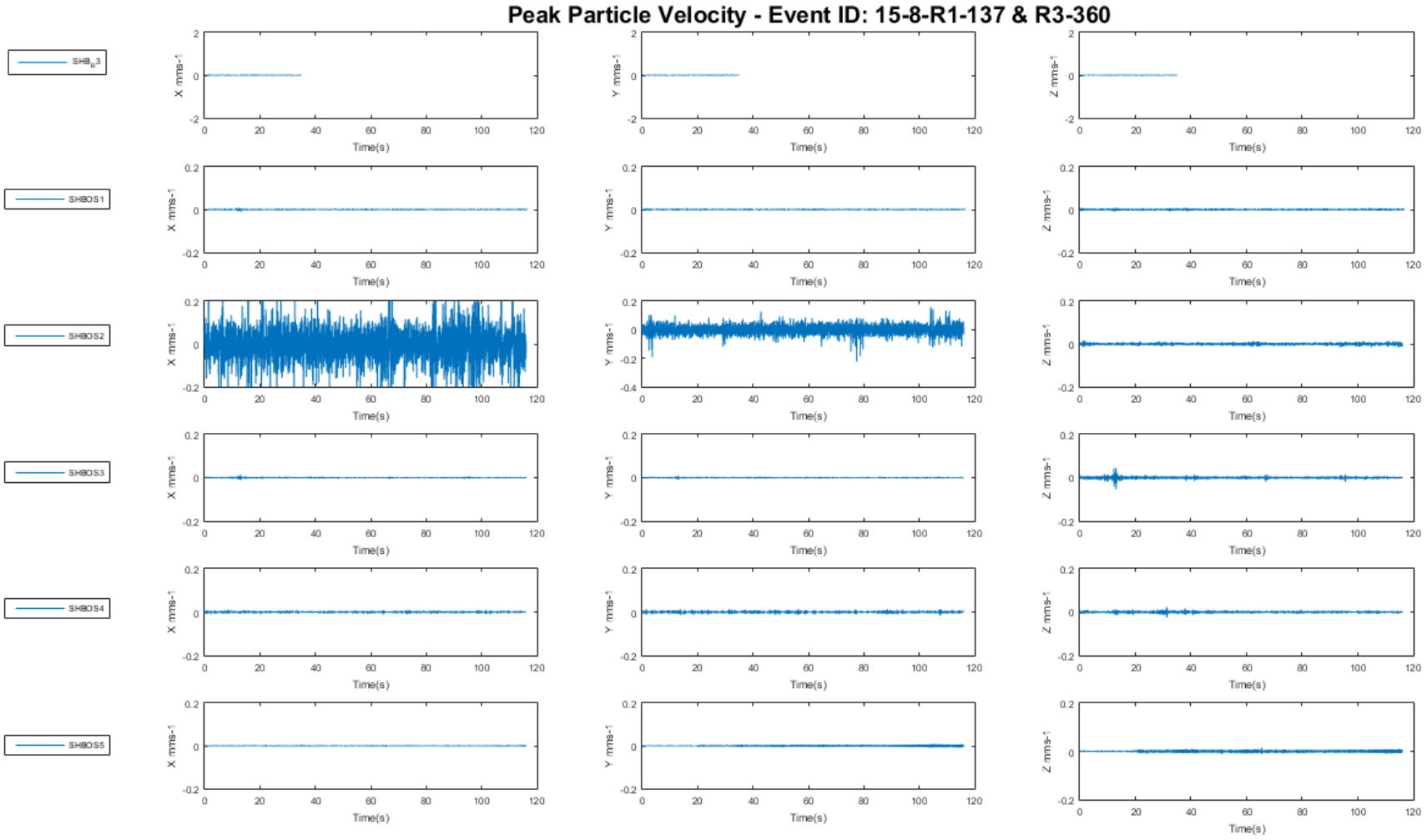


FIGURE 3.337: SHB_OS 1 - 5 15-8-R1-137 & R3-360

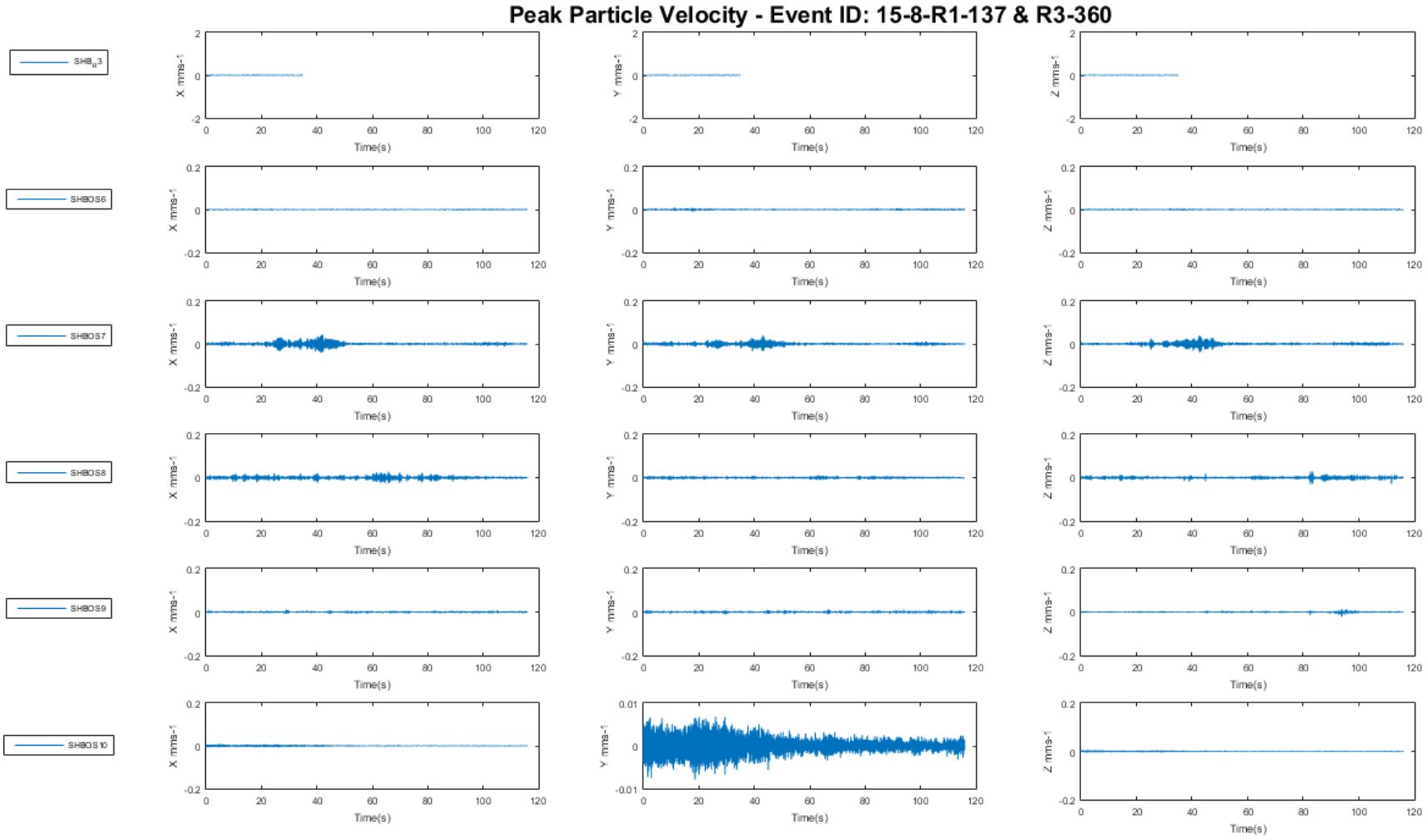


FIGURE 3.338: SHB_OS 6 - 10 15-8-R1-137 & R3-360

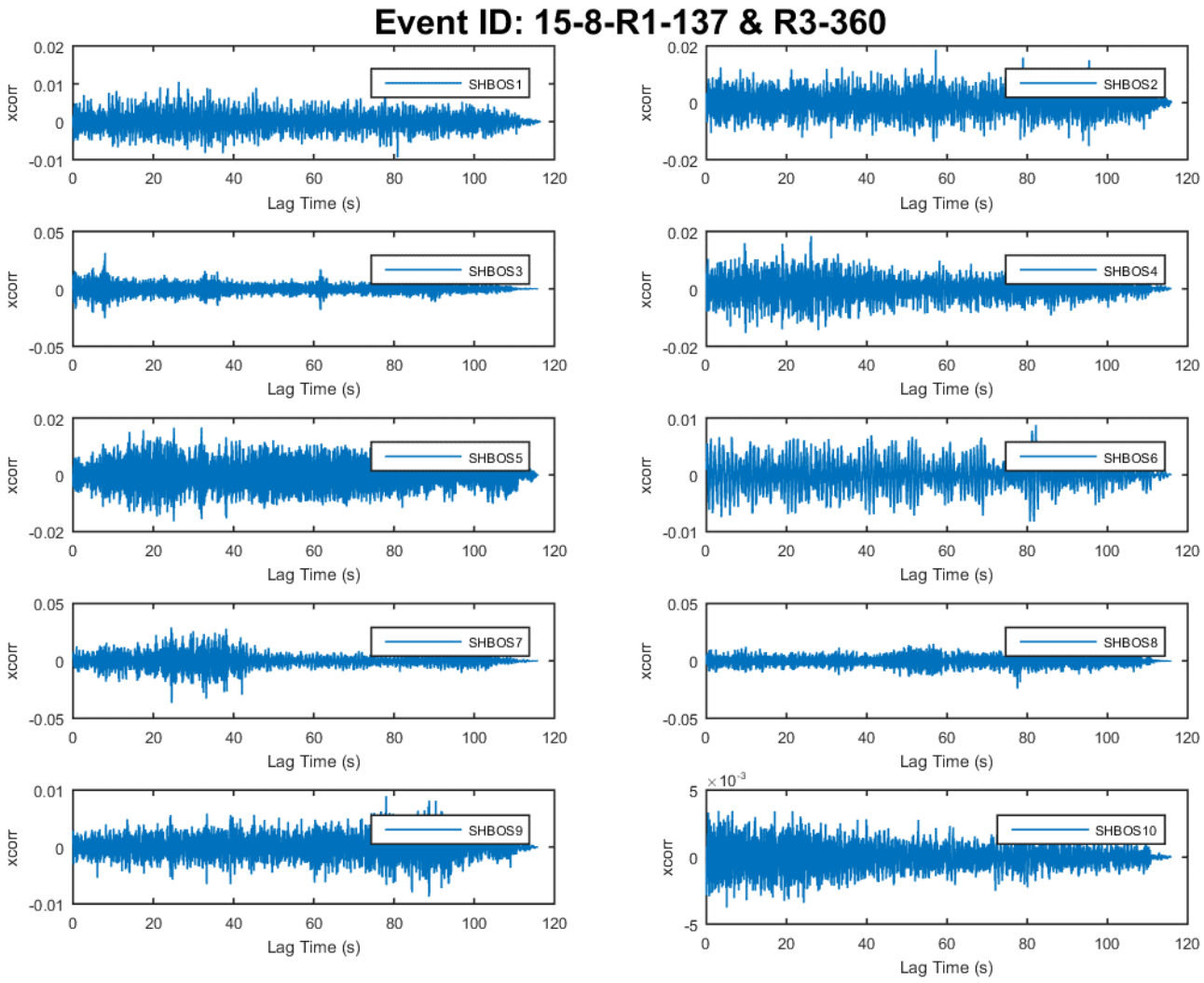


FIGURE 3.339: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-137 & R3-360

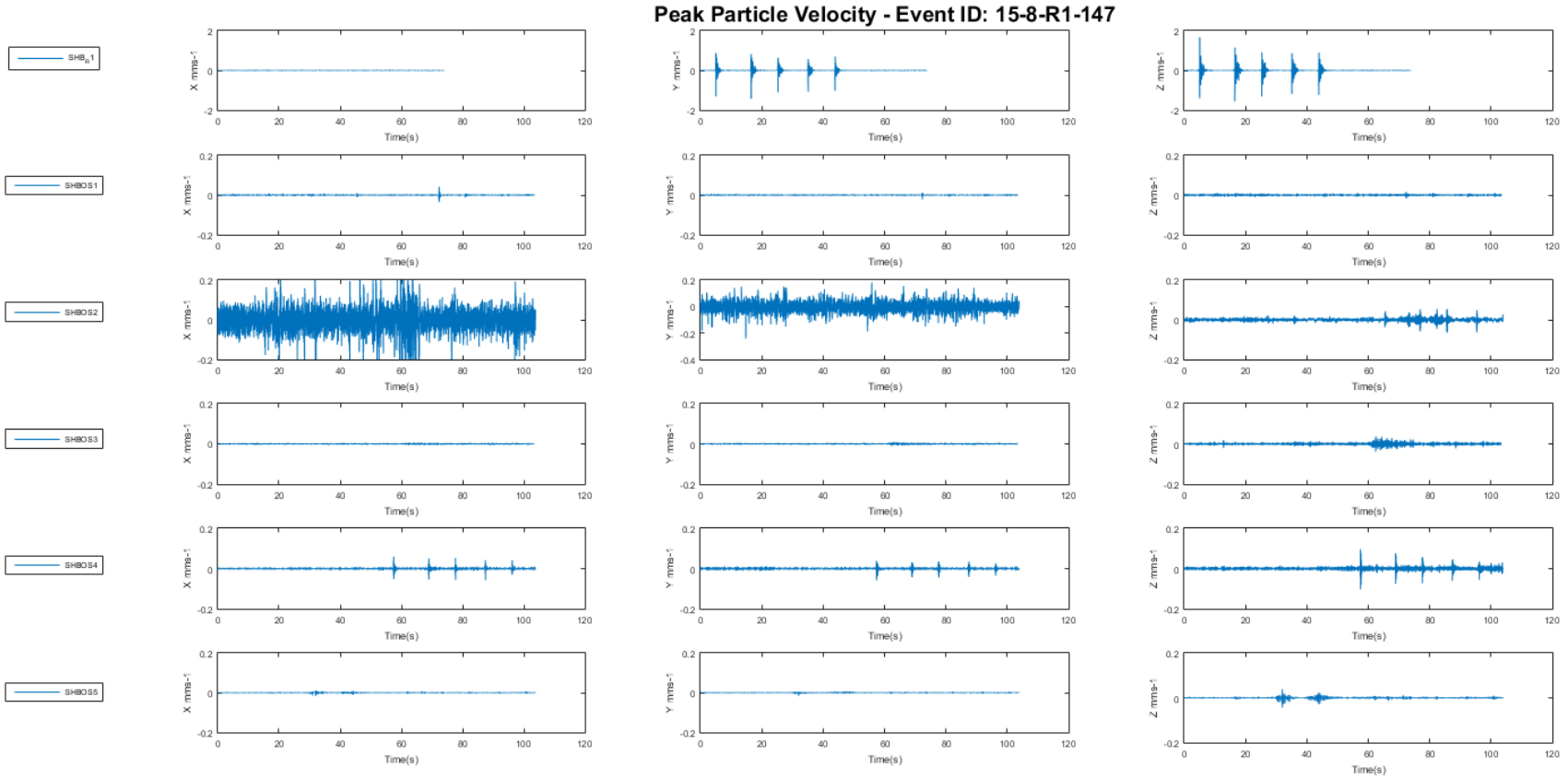


FIGURE 3.340: SHB_OS 1 - 5 15-8-R1-147

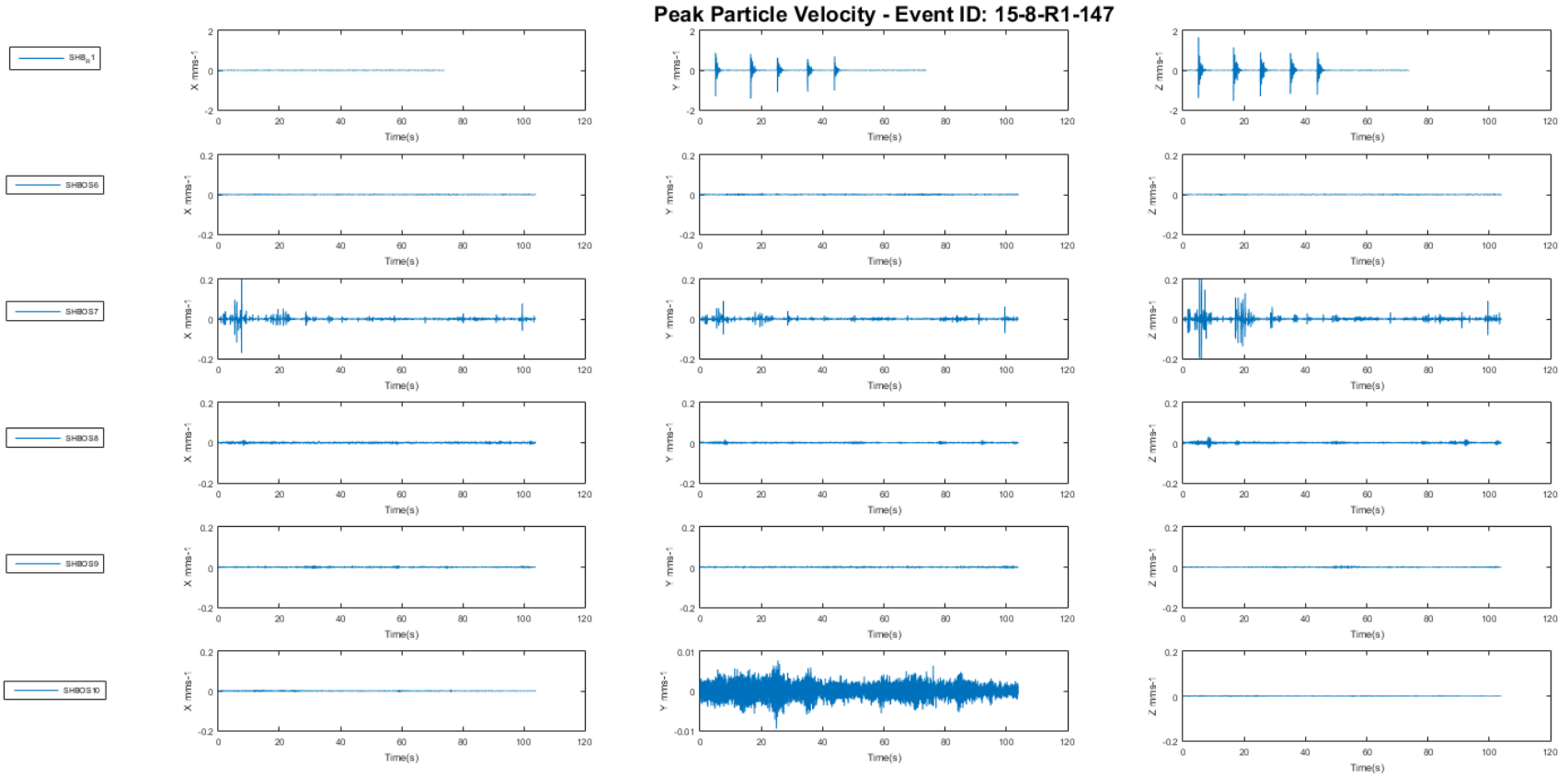


FIGURE 3.341: SHB_OS 6 - 10 15-8-R1-147

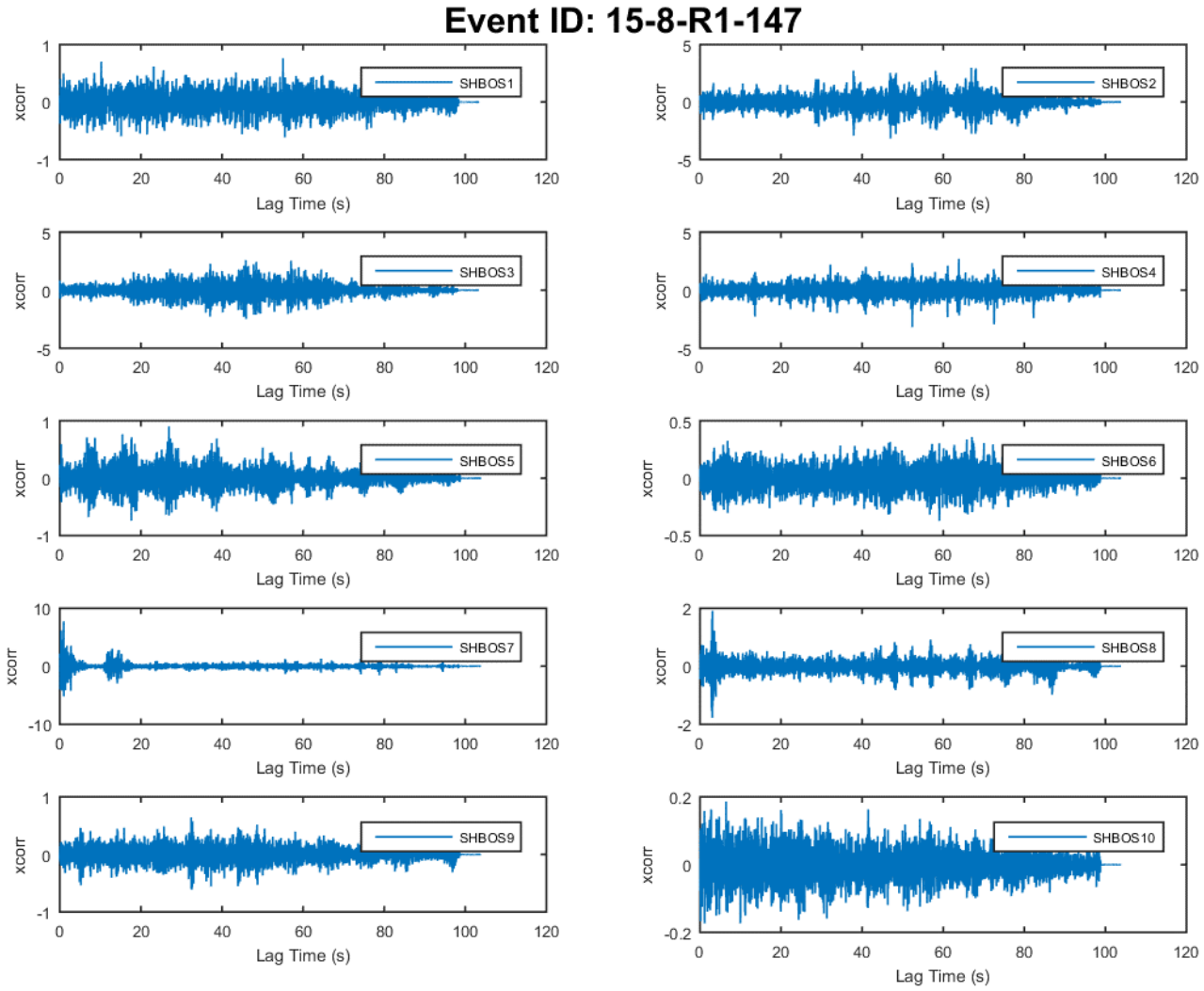


FIGURE 3.342: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-147

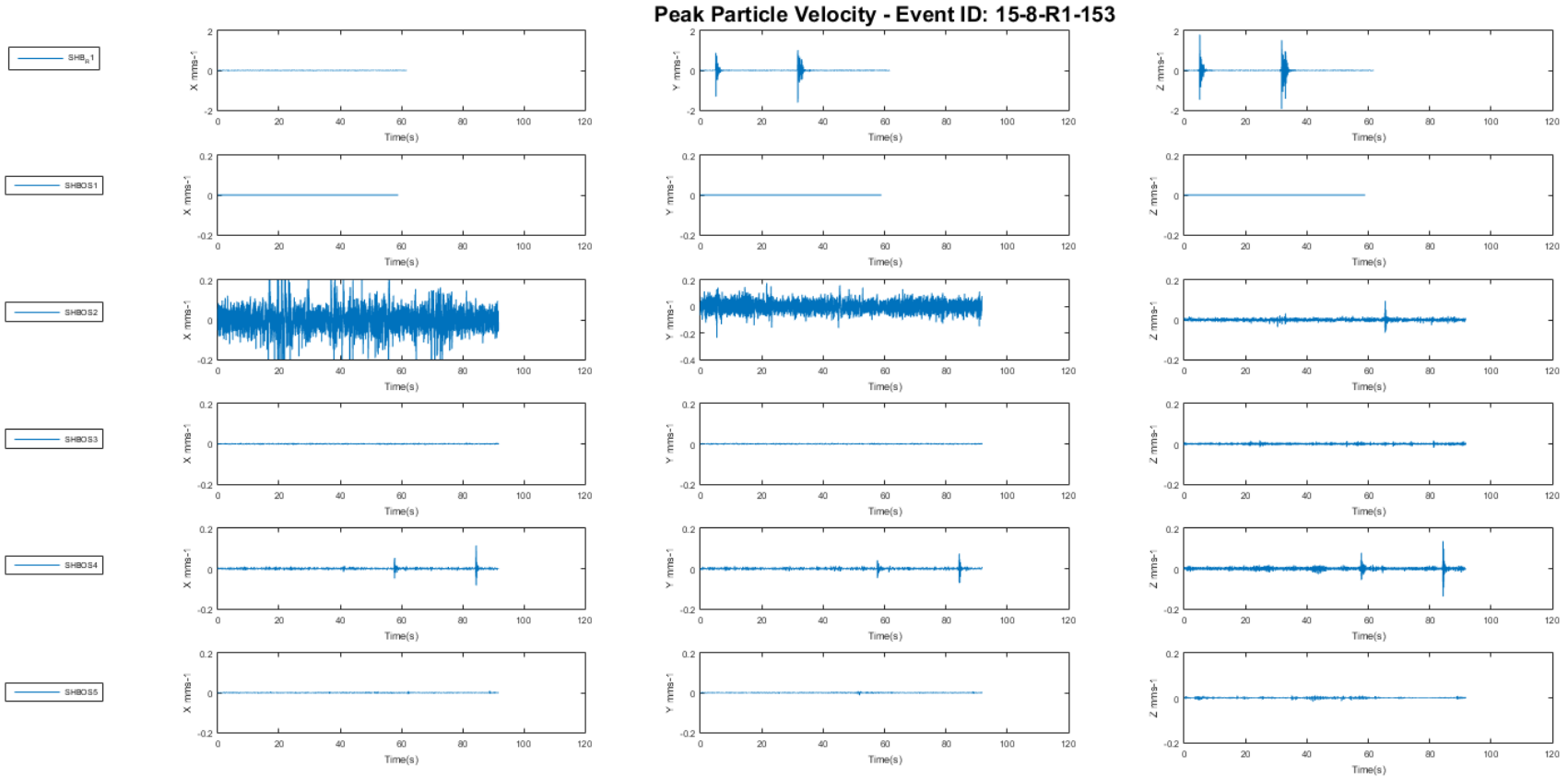


FIGURE 3.343: SHB_OS 1 - 5 15-8-R1-153

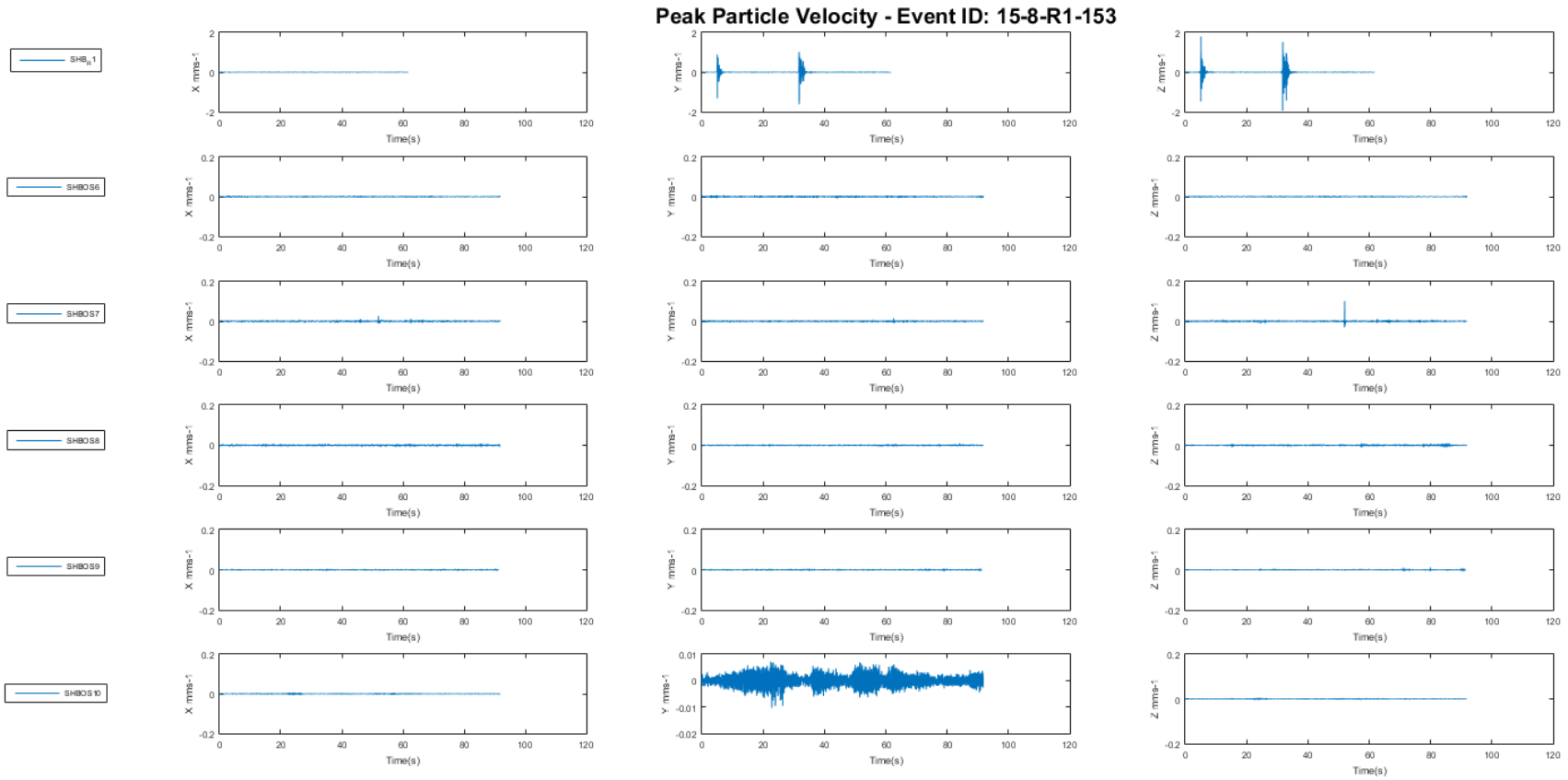


FIGURE 3.344: SHB_OS 6 - 10 15-8-R1-153

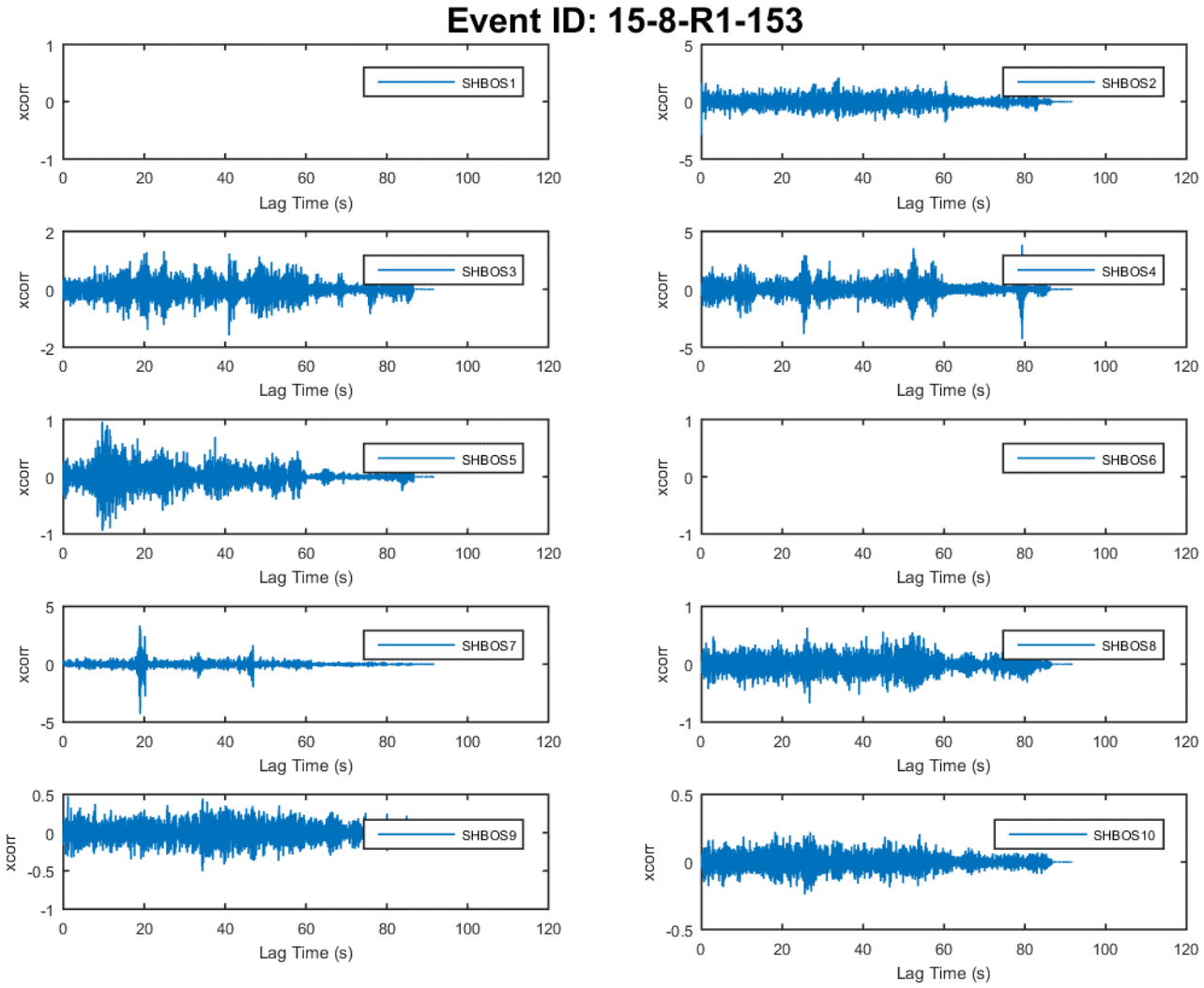


FIGURE 3.345: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-153

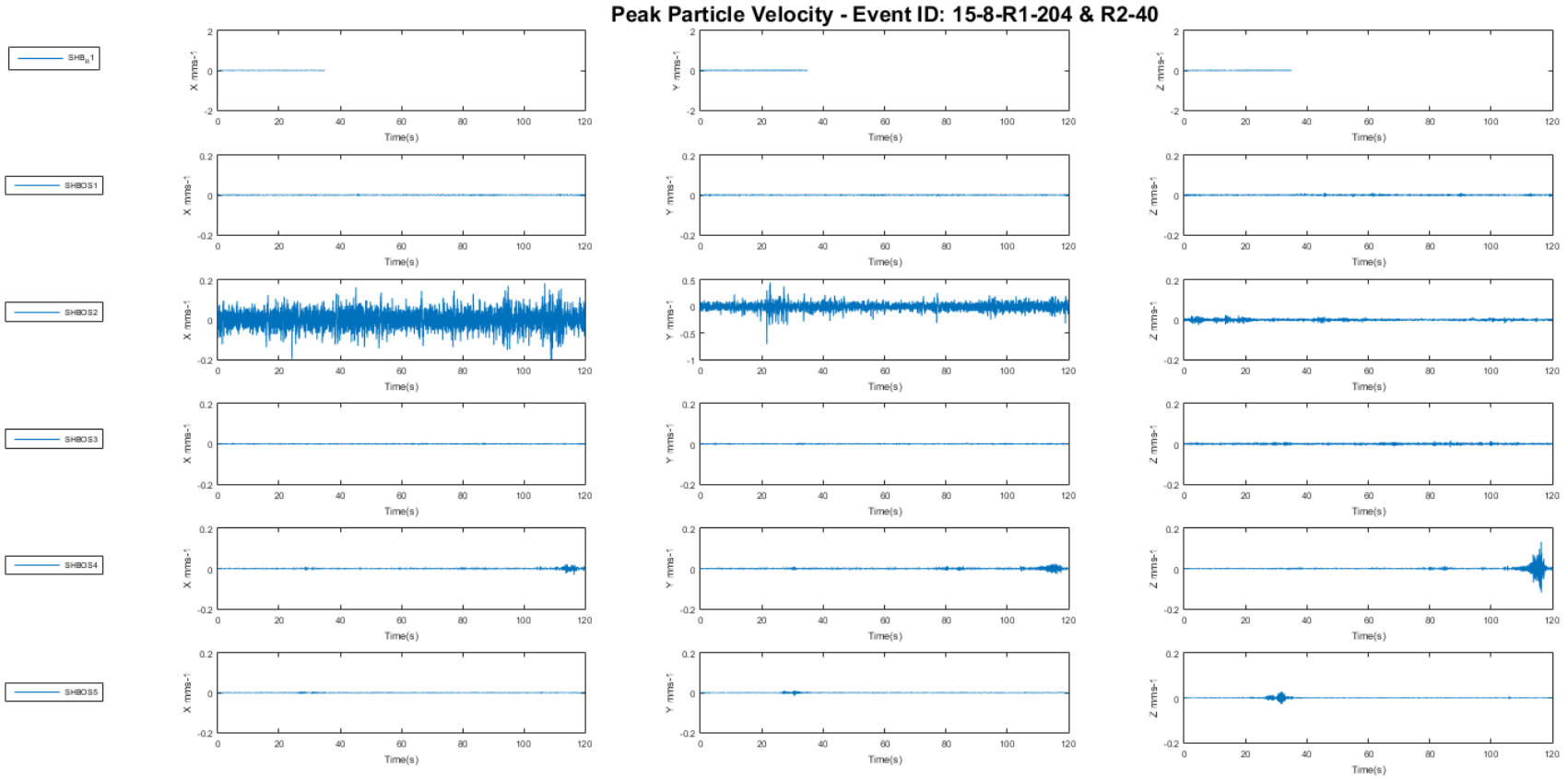


FIGURE 3.346: SHB_OS 1 - 5 15-8-R1-204 & R2-40

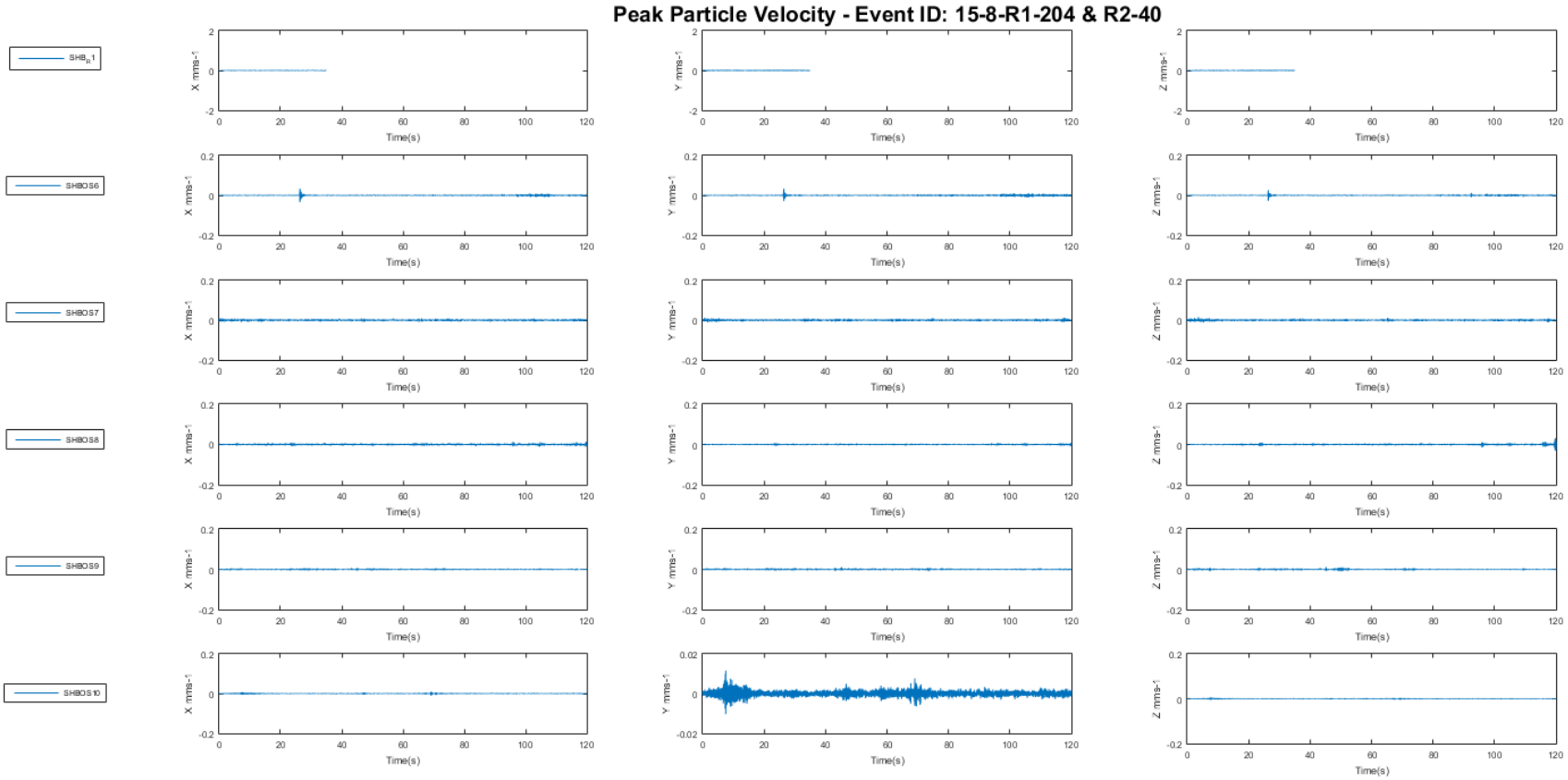


FIGURE 3.347: SHB_OS 6 - 10 15-8-R1-204 & R2-40

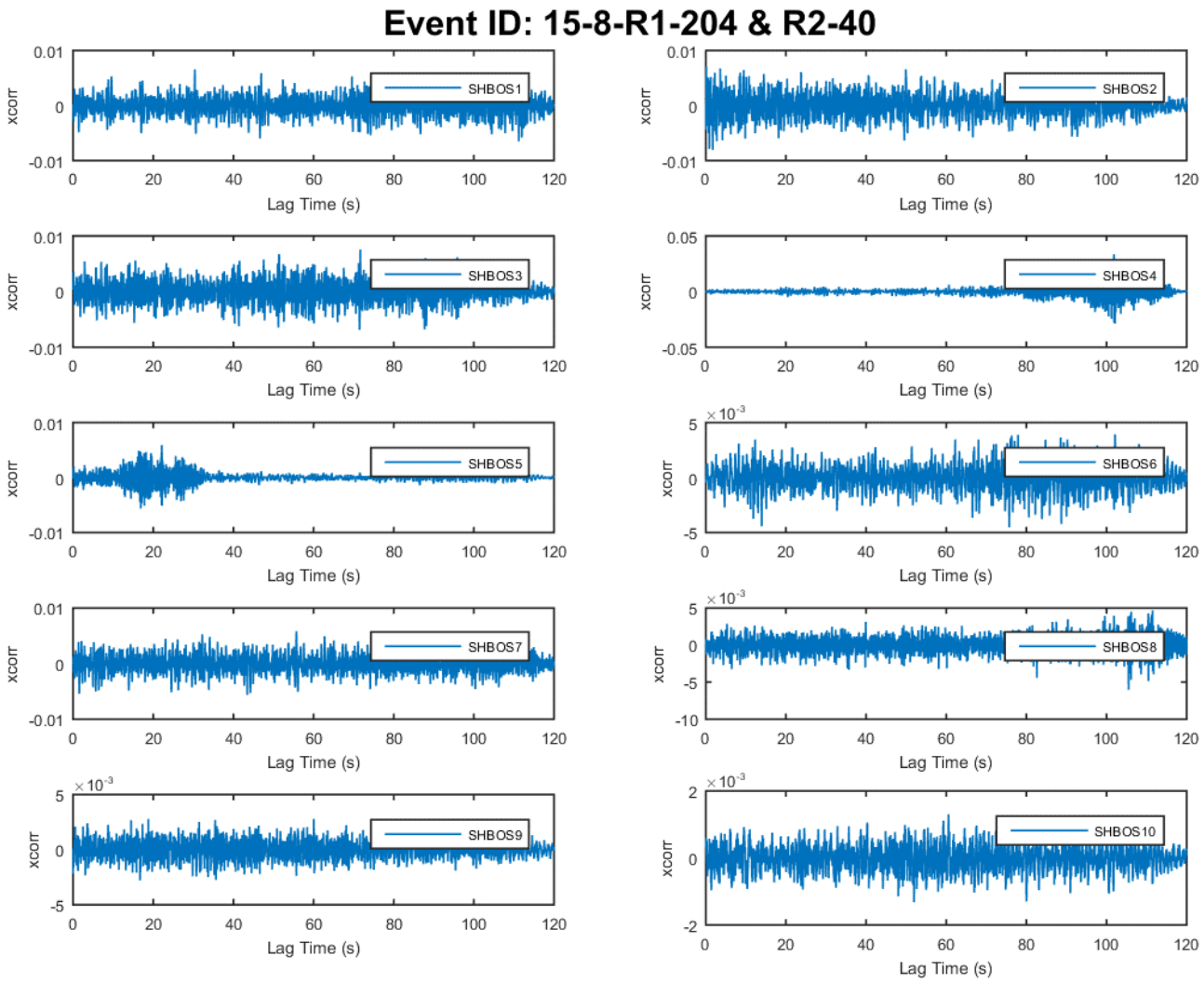


FIGURE 3.348: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-204 & R2-40

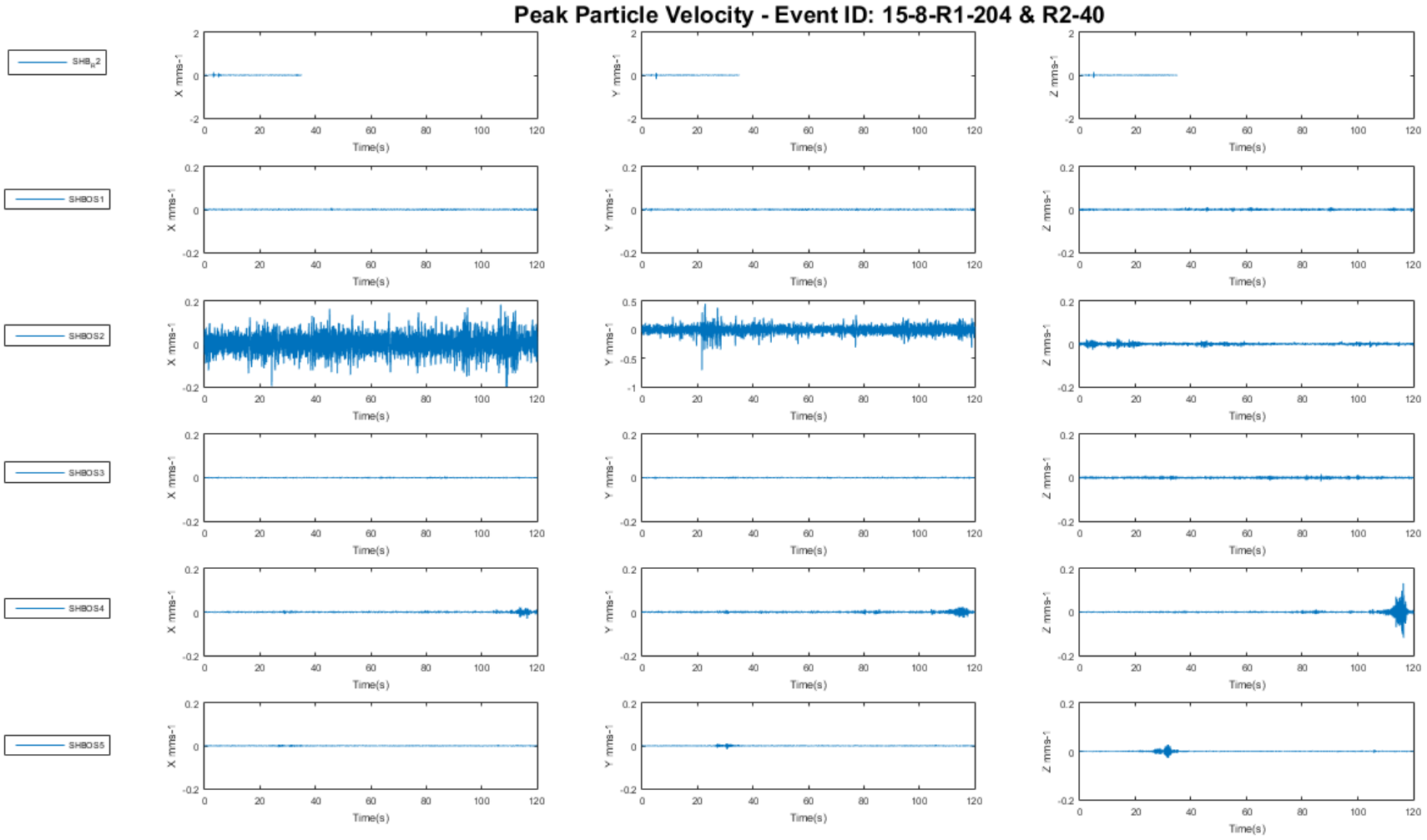


FIGURE 3.349: SHB_OS 1 - 5 15-8-R1-204 & R2-40

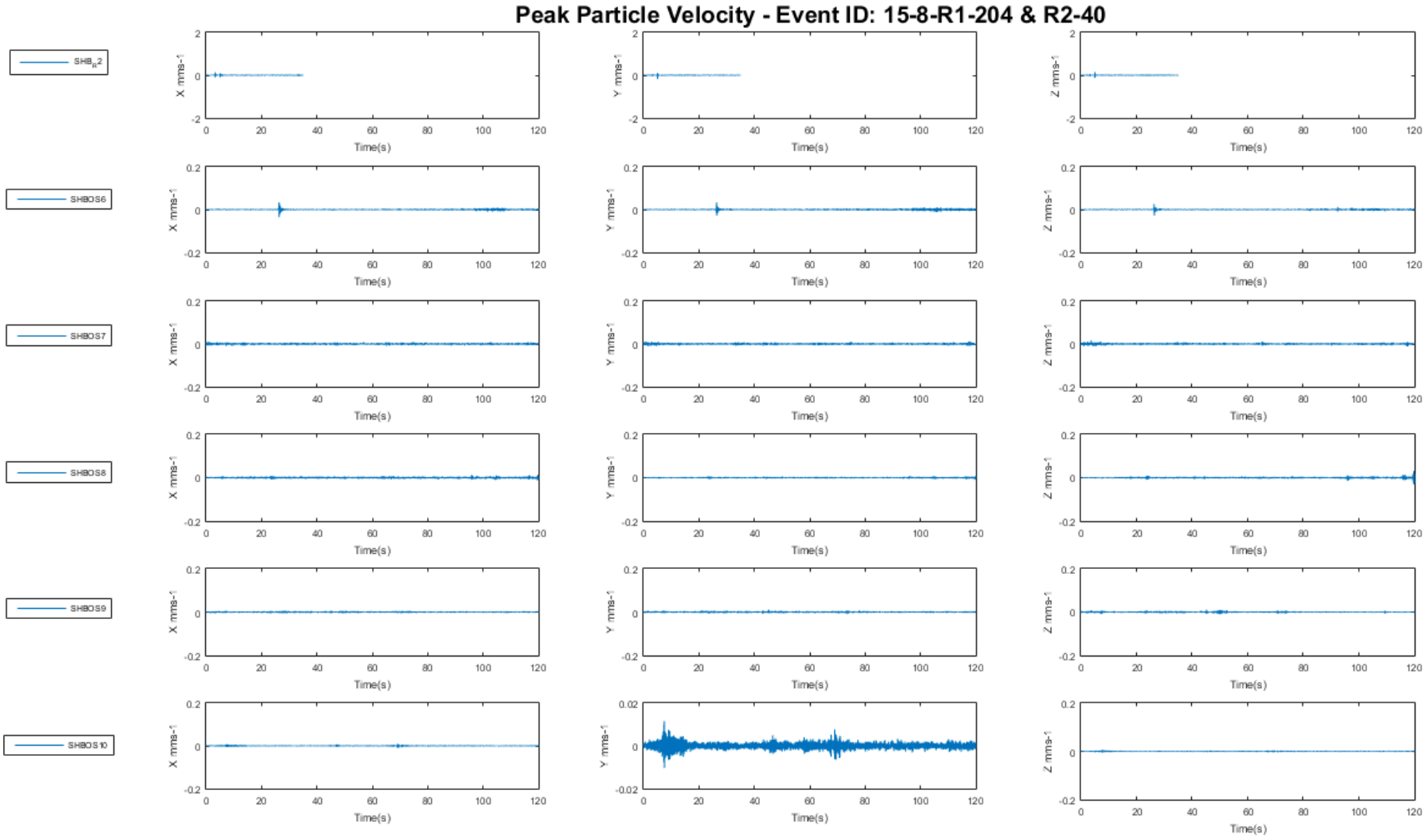


FIGURE 3.350: SHB_OS 6 - 10 15-8-R1-204 & R2-40

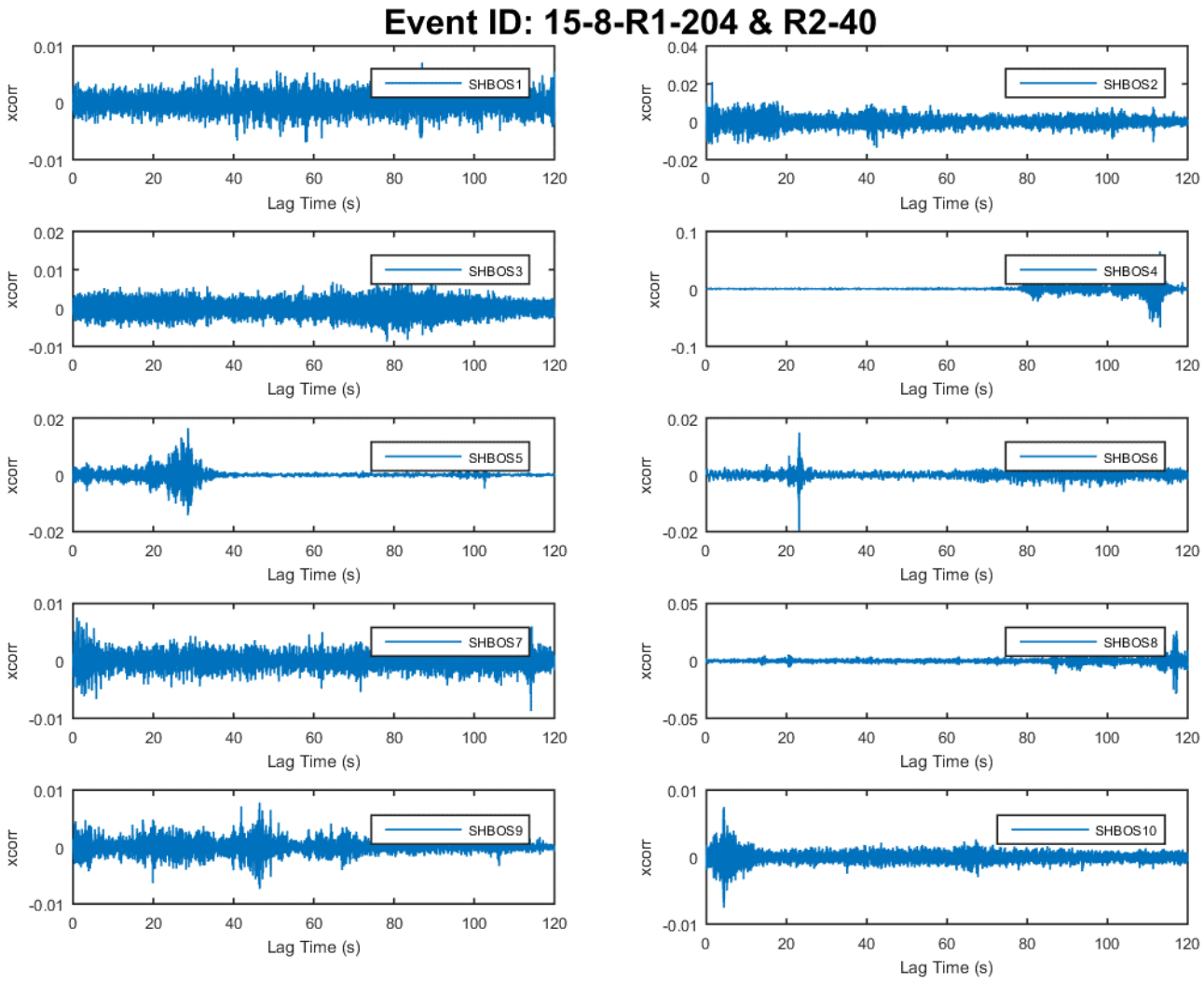


FIGURE 3.351: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-204 & R2-40

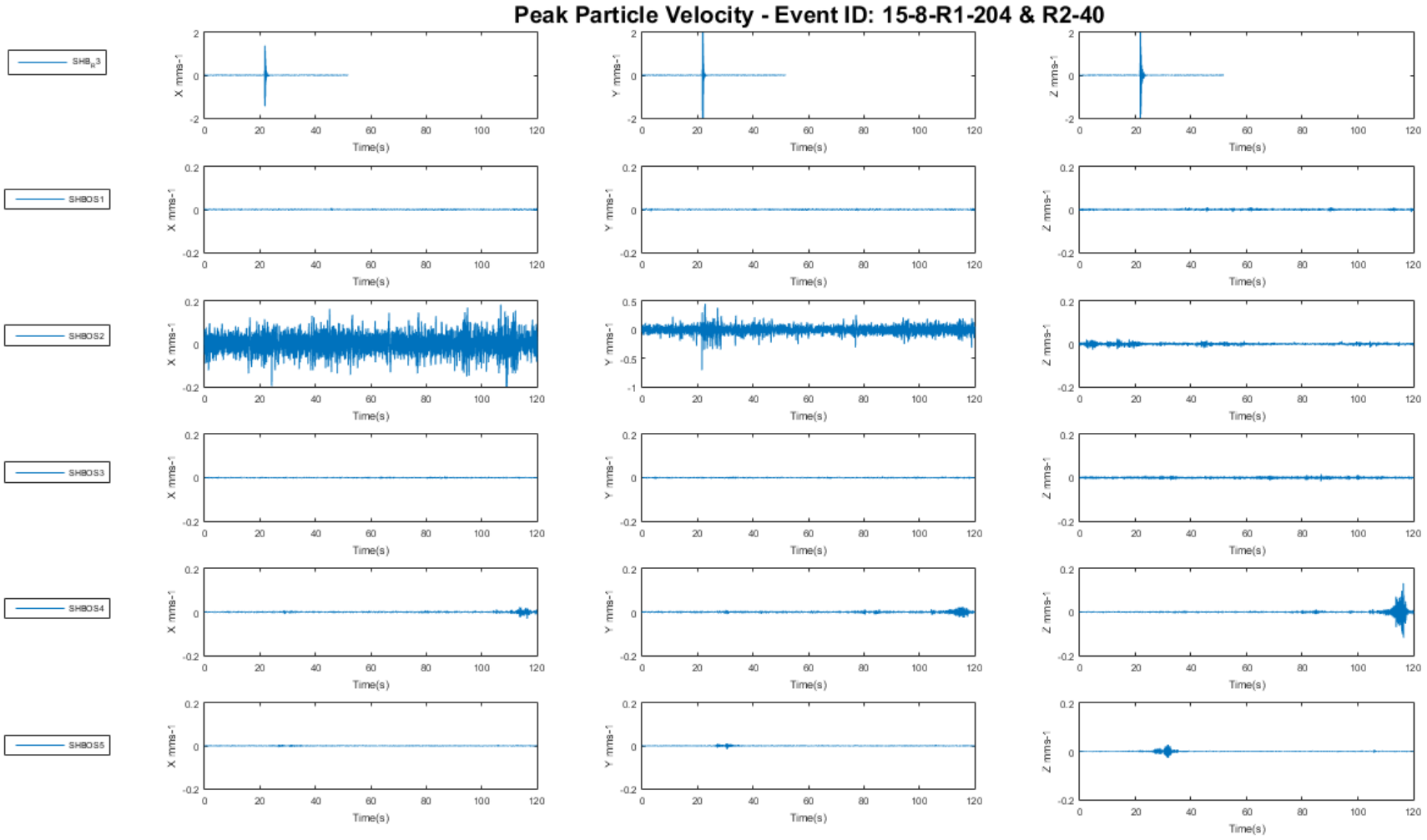


FIGURE 3.352: SHB_OS 1 - 5 15-8-R1-204 & R2-40

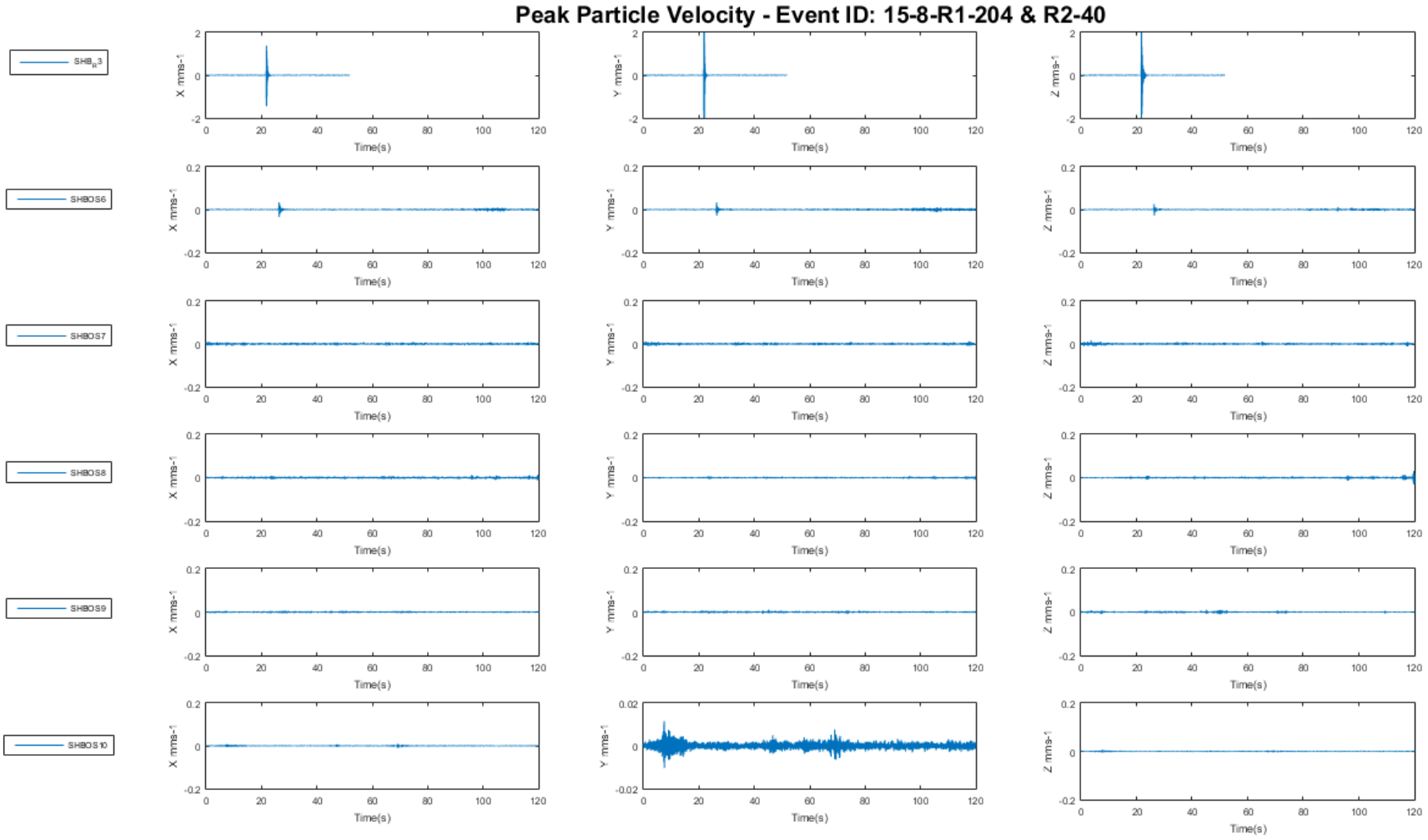


FIGURE 3.353: SHB_OS 6 - 10 15-8-R1-204 & R2-40

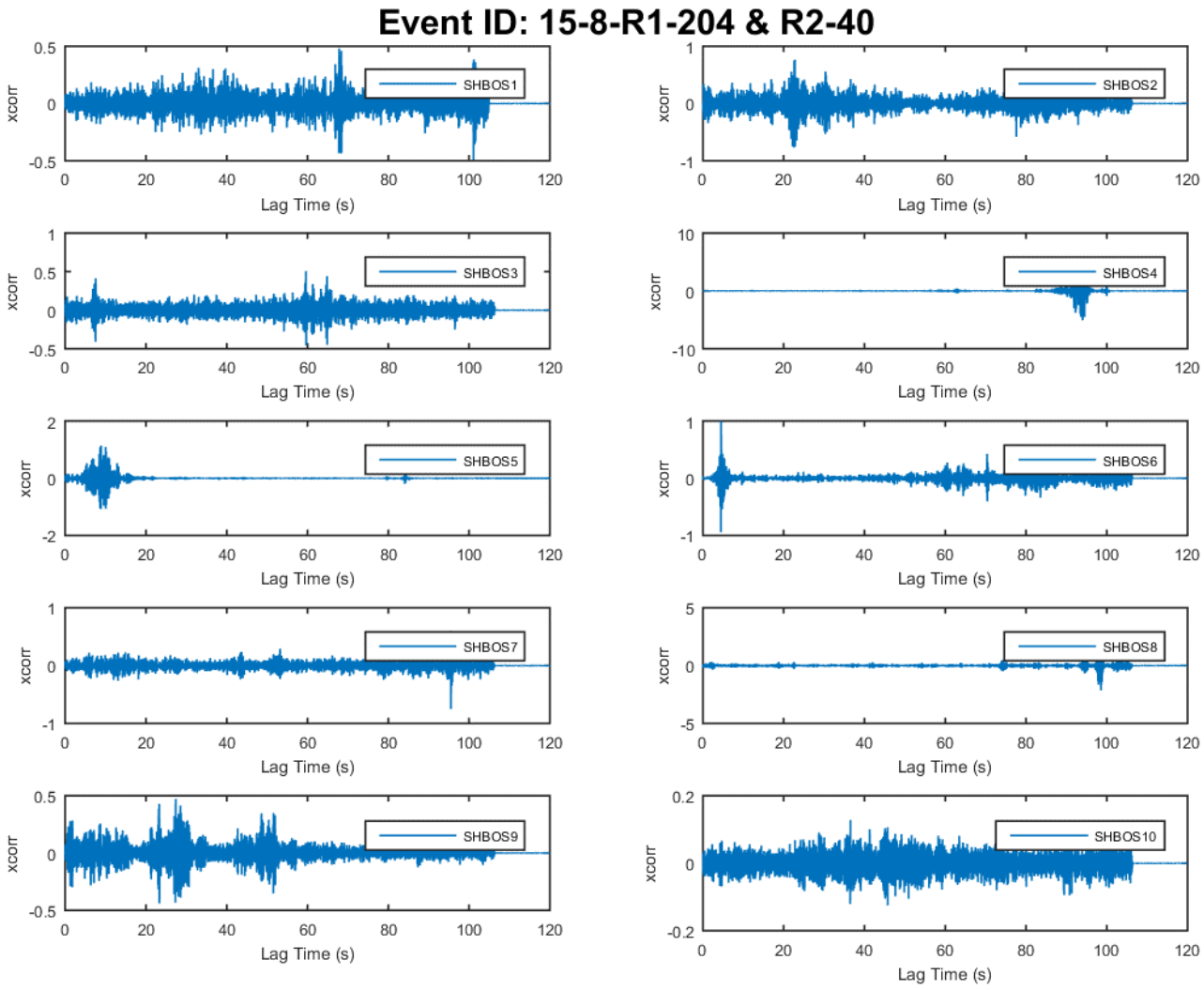


FIGURE 3.354: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-204 & R2-40

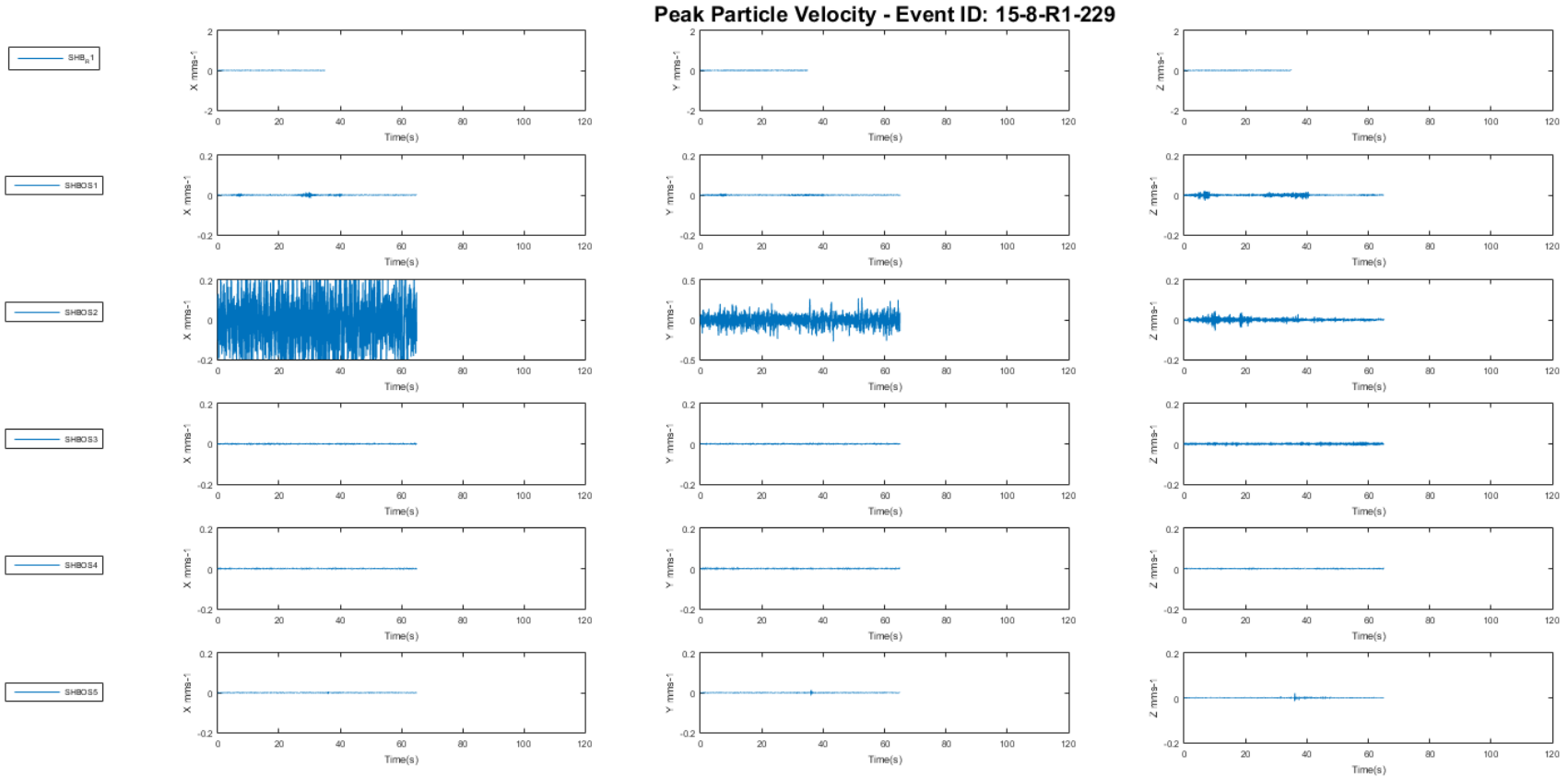


FIGURE 3.355: SHB_OS 1 - 5 15-8-R1-229

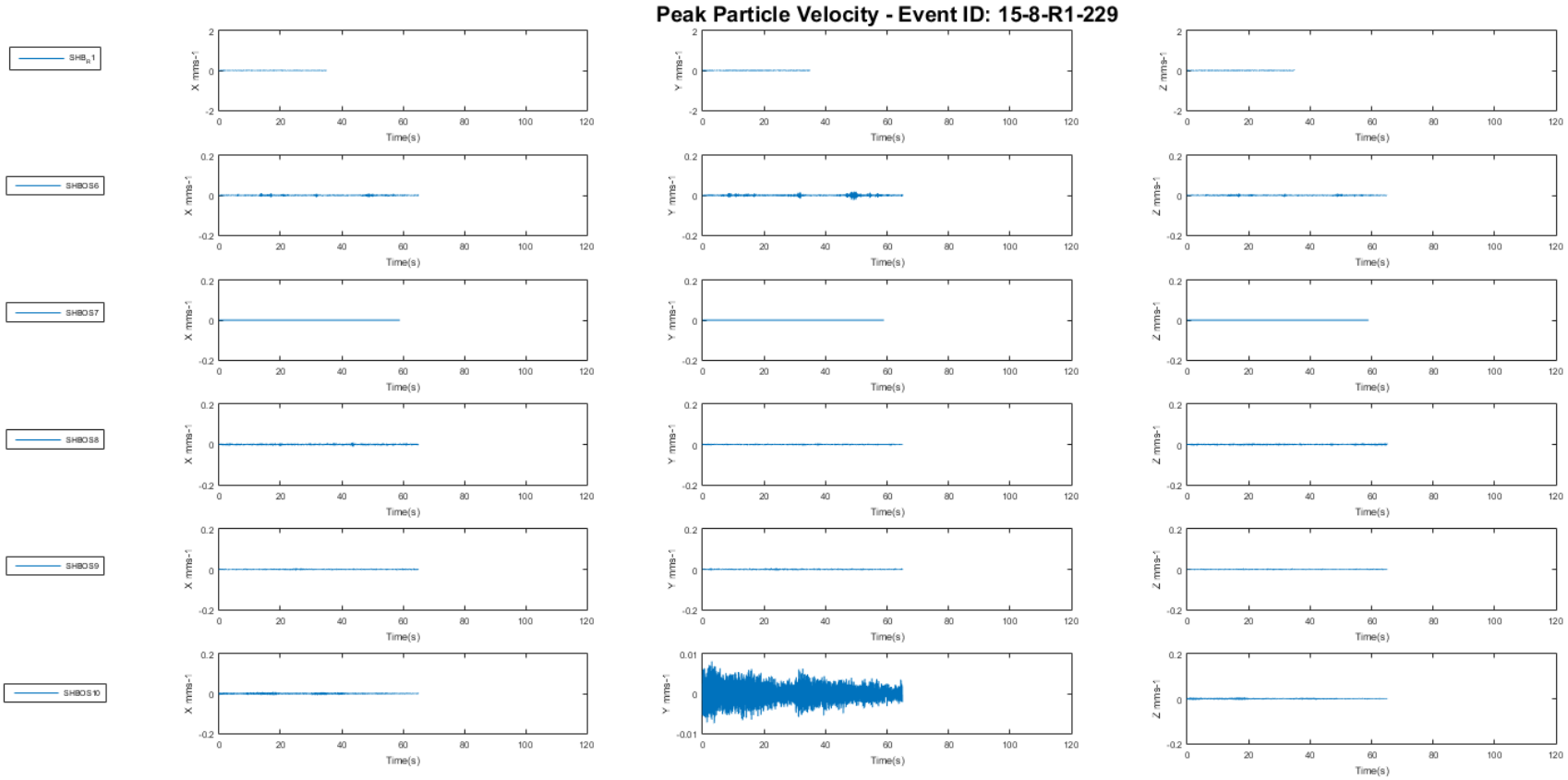


FIGURE 3.356: SHB_OS 6 - 10 15-8-R1-229

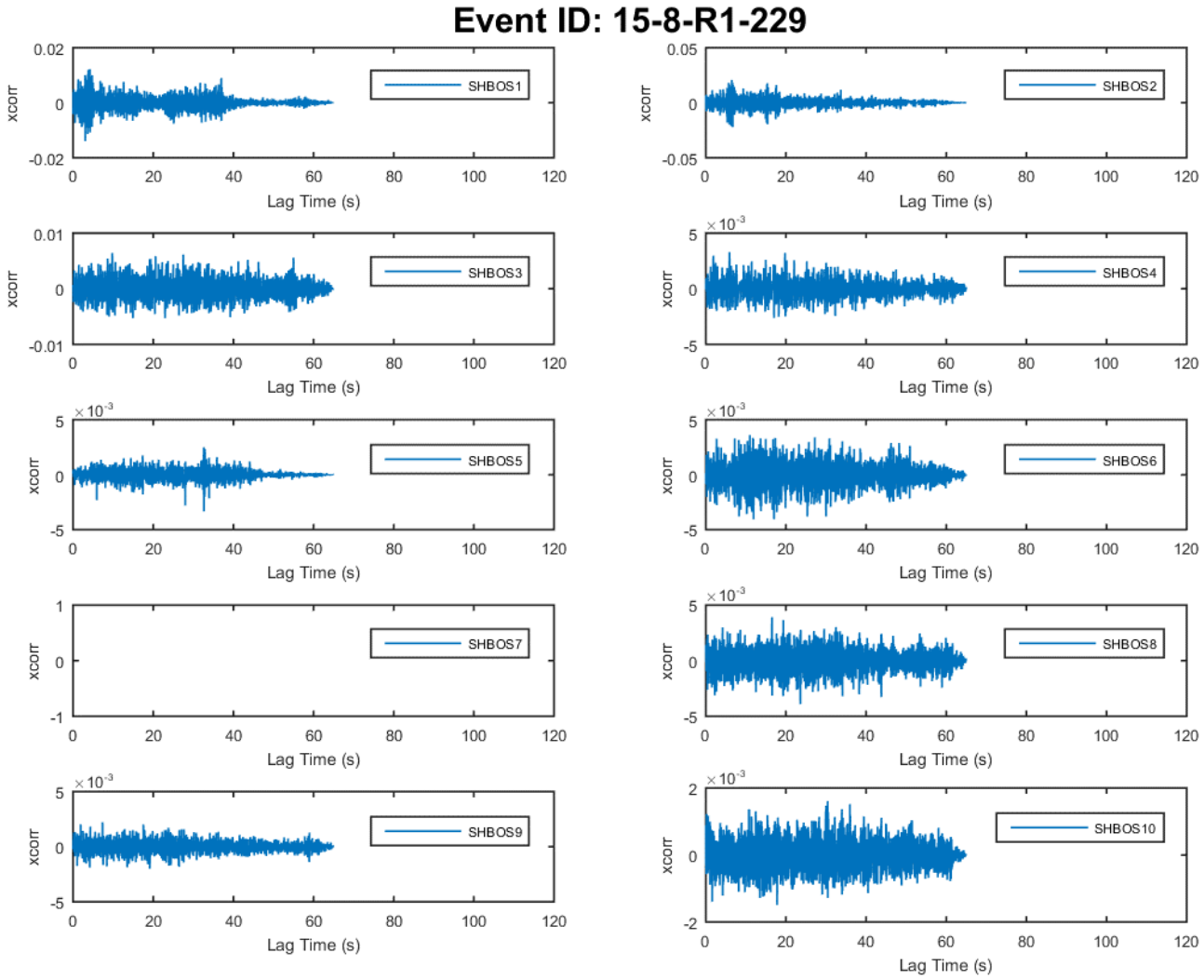


FIGURE 3.357: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-229

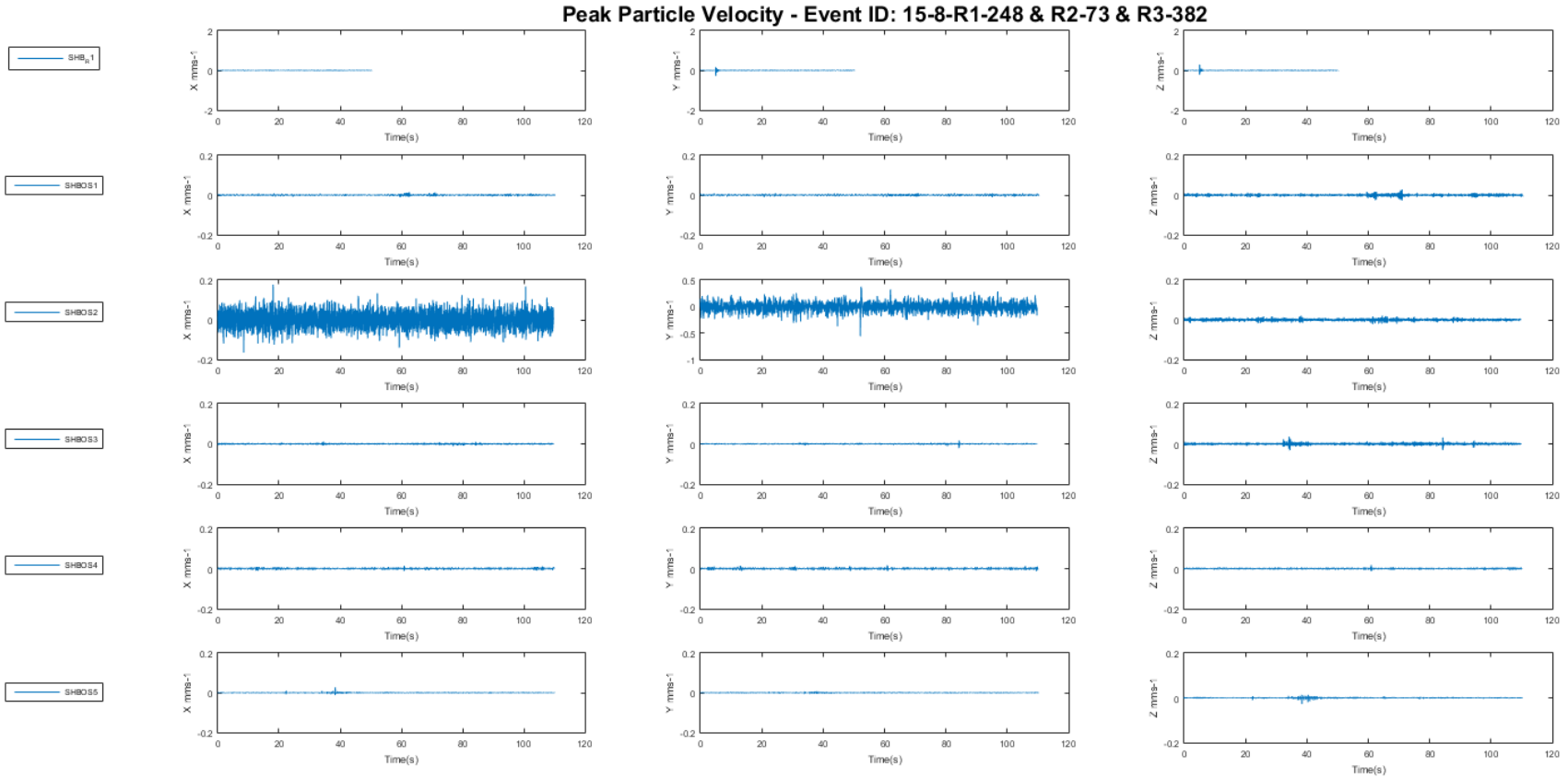


FIGURE 3.358: SHB_OS 1 - 5 15-8-R1-248 & R2-73 & R3-382

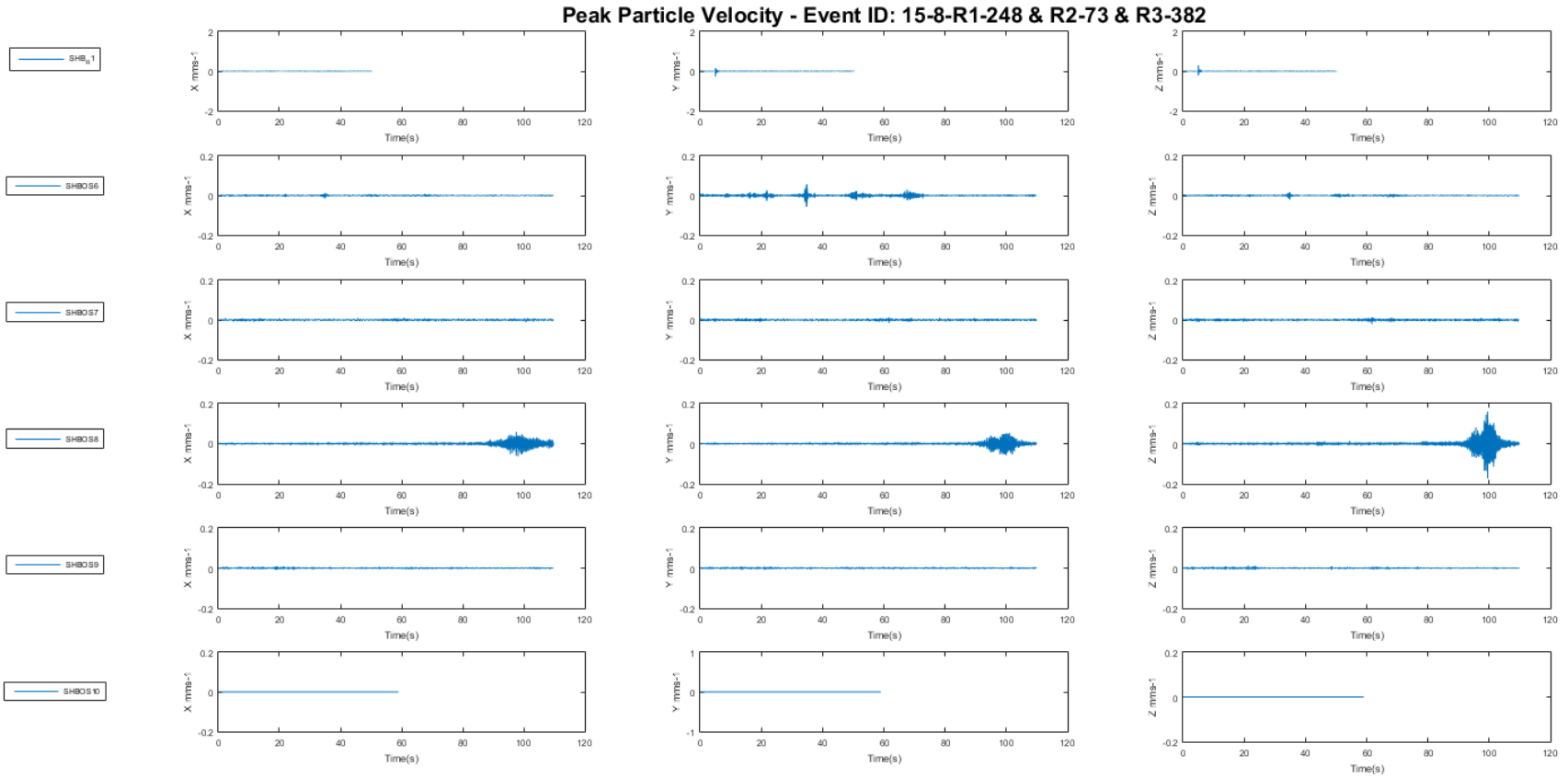


FIGURE 3.359: SHB_OS 6 - 10 15-8-R1-248 & R2-73 & R3-382

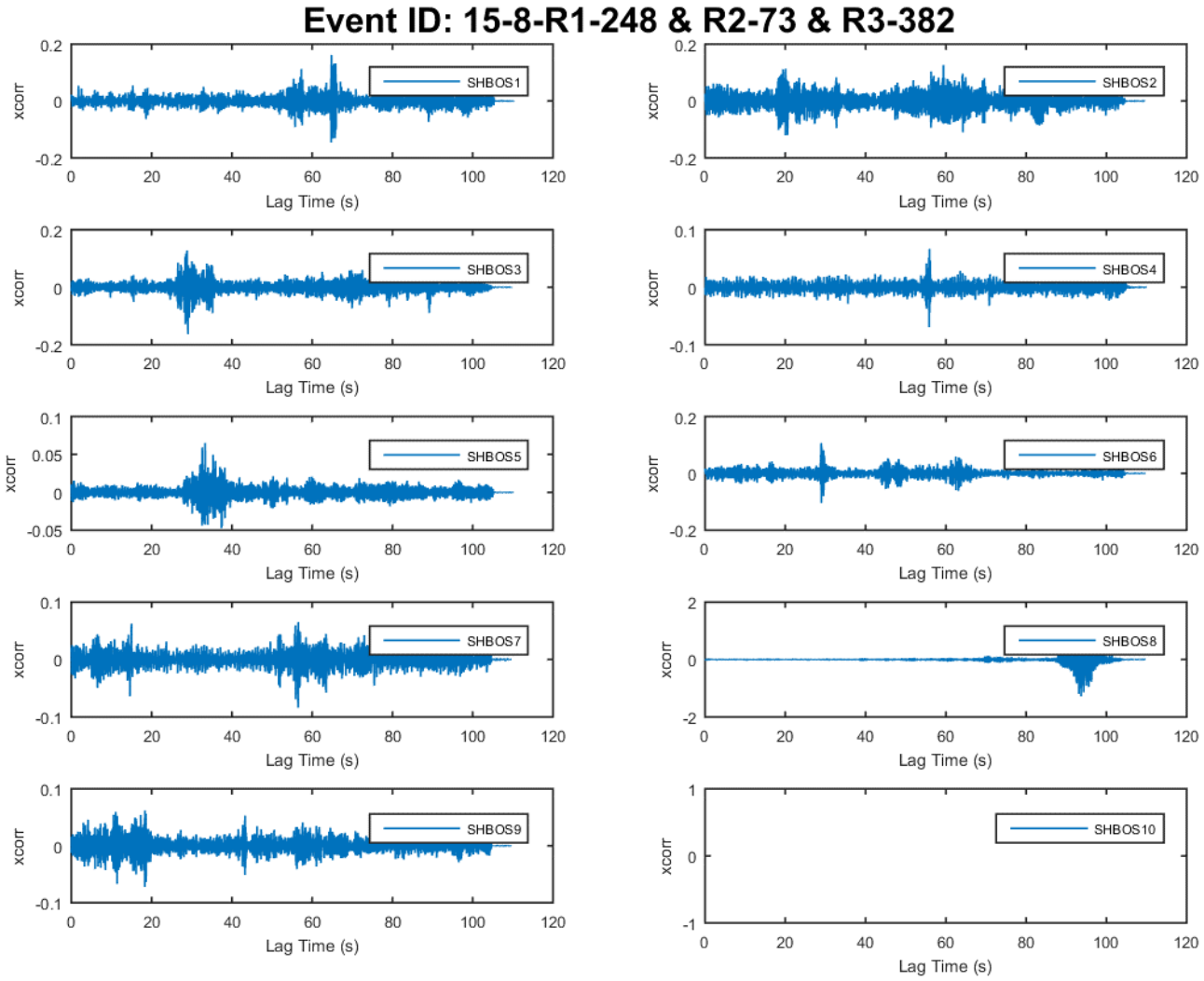


FIGURE 3.360: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-248 & R2-73 & R3-382

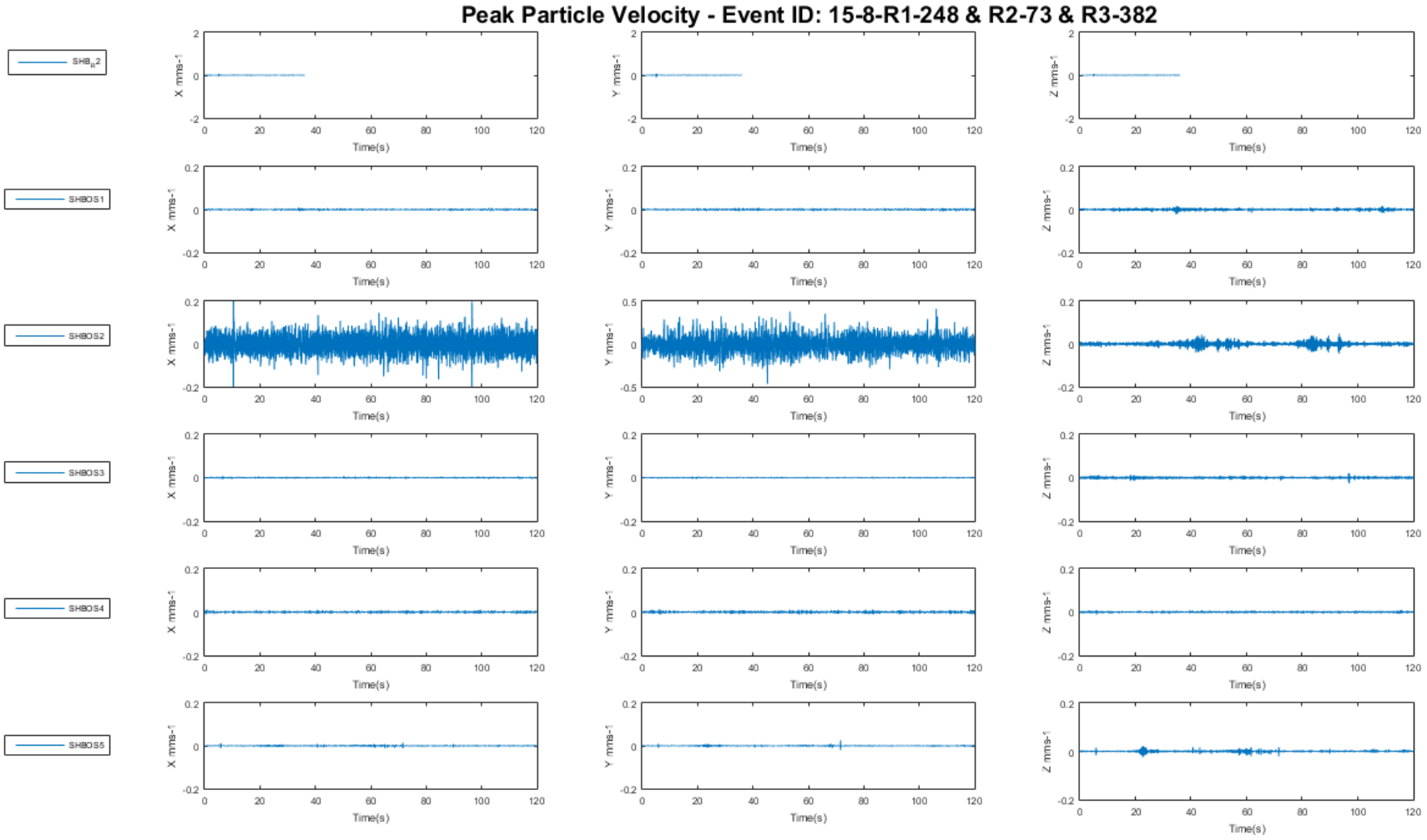


FIGURE 3.361: SHB_OS 1 - 5 15-8-R1-248 & R2-73 & R3-382

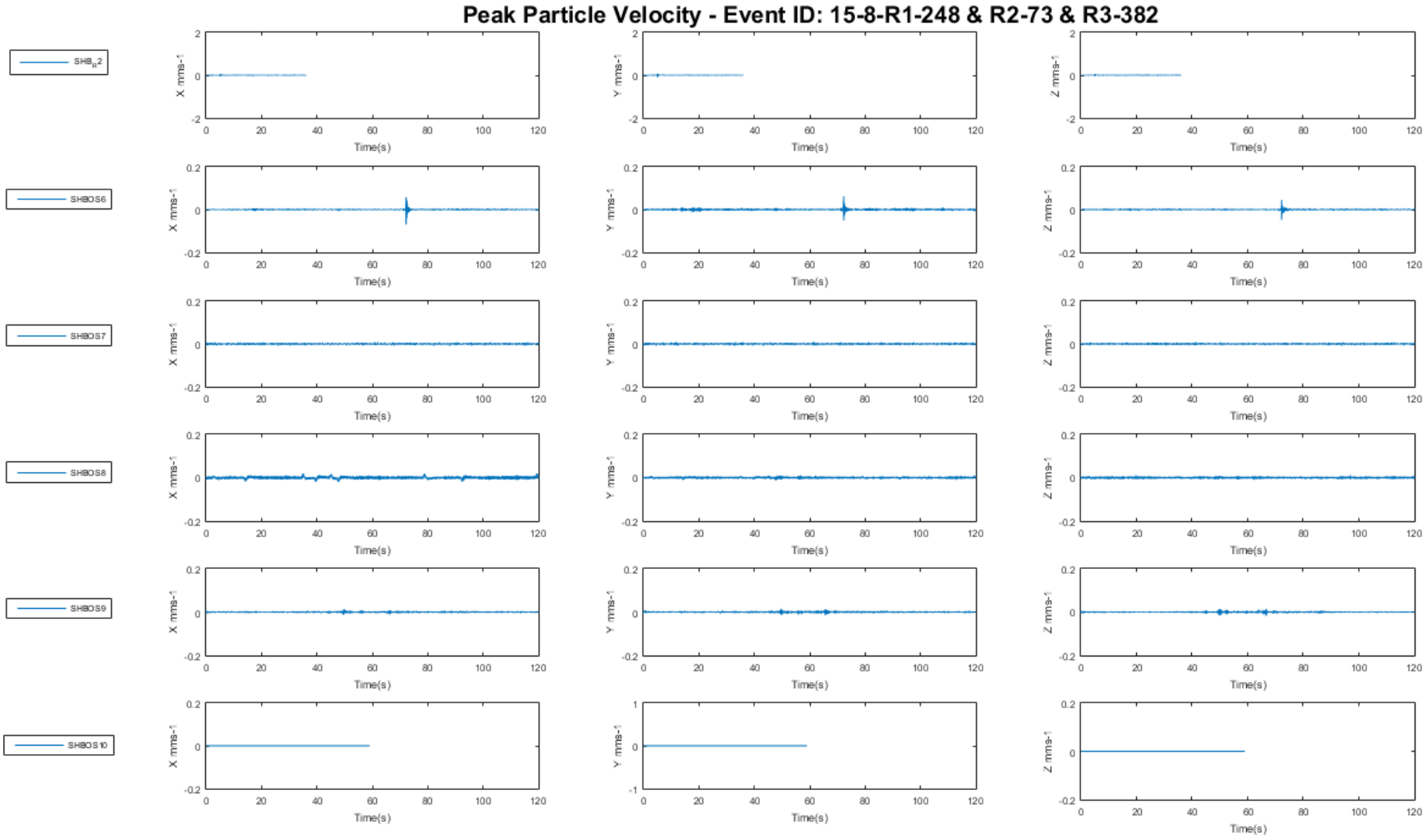


FIGURE 3.362: SHB_OS 6 - 10 15-8-R1-248 & R2-73 & R3-382

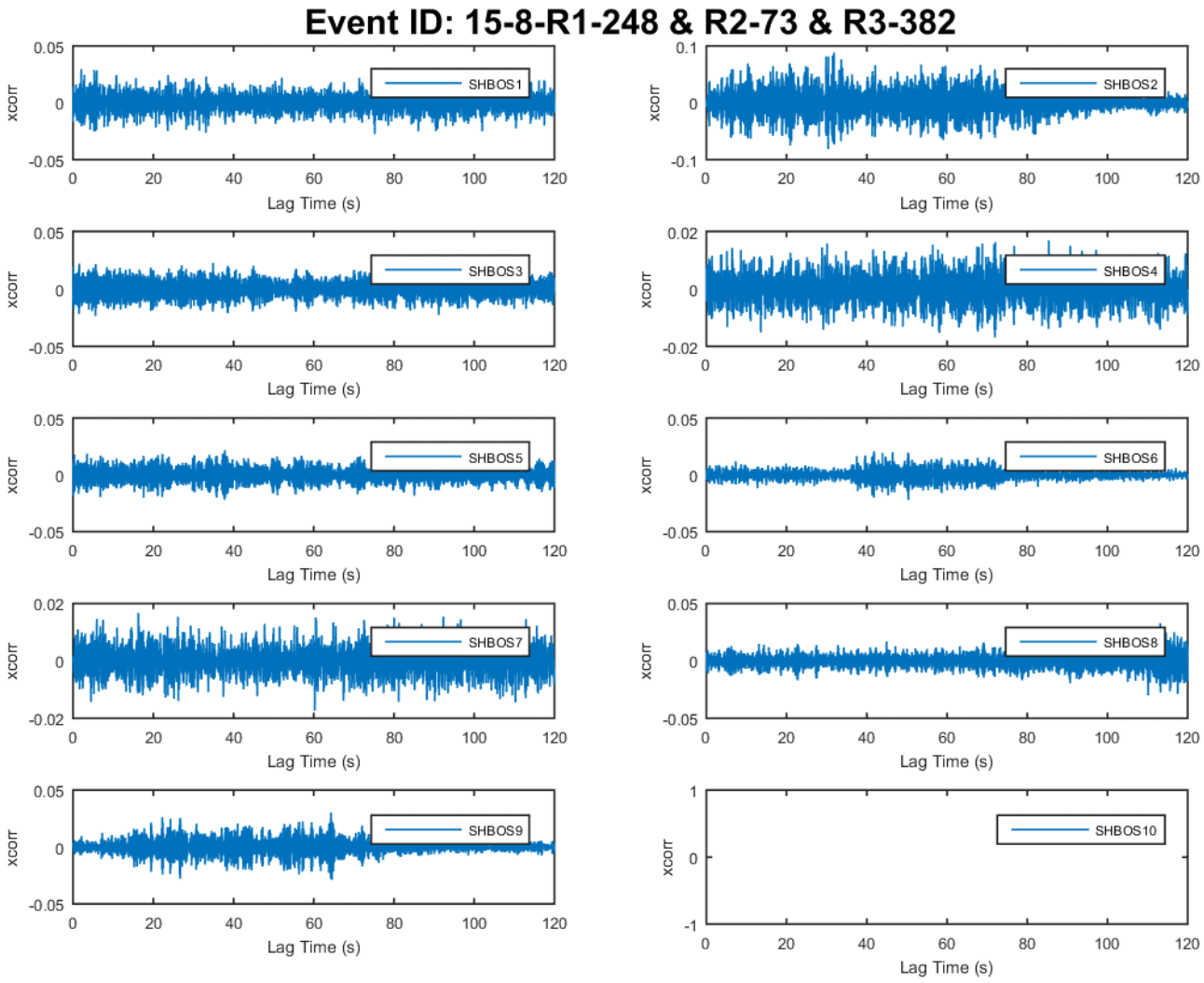


FIGURE 3.363: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-248 & R2-73 & R3-382

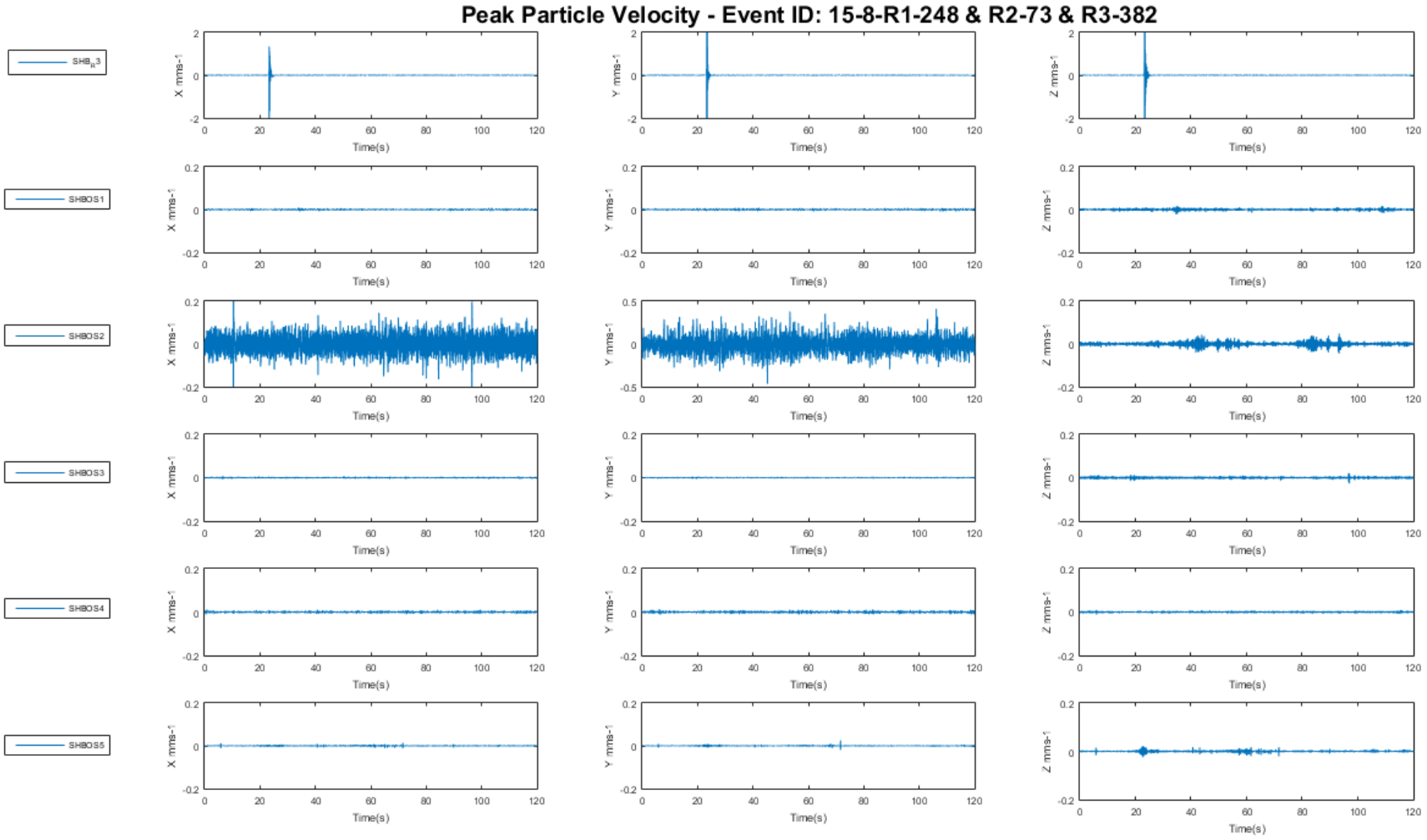


FIGURE 3.364: SHB_OS 1 - 5 15-8-R1-248 & R2-73 & R3-382

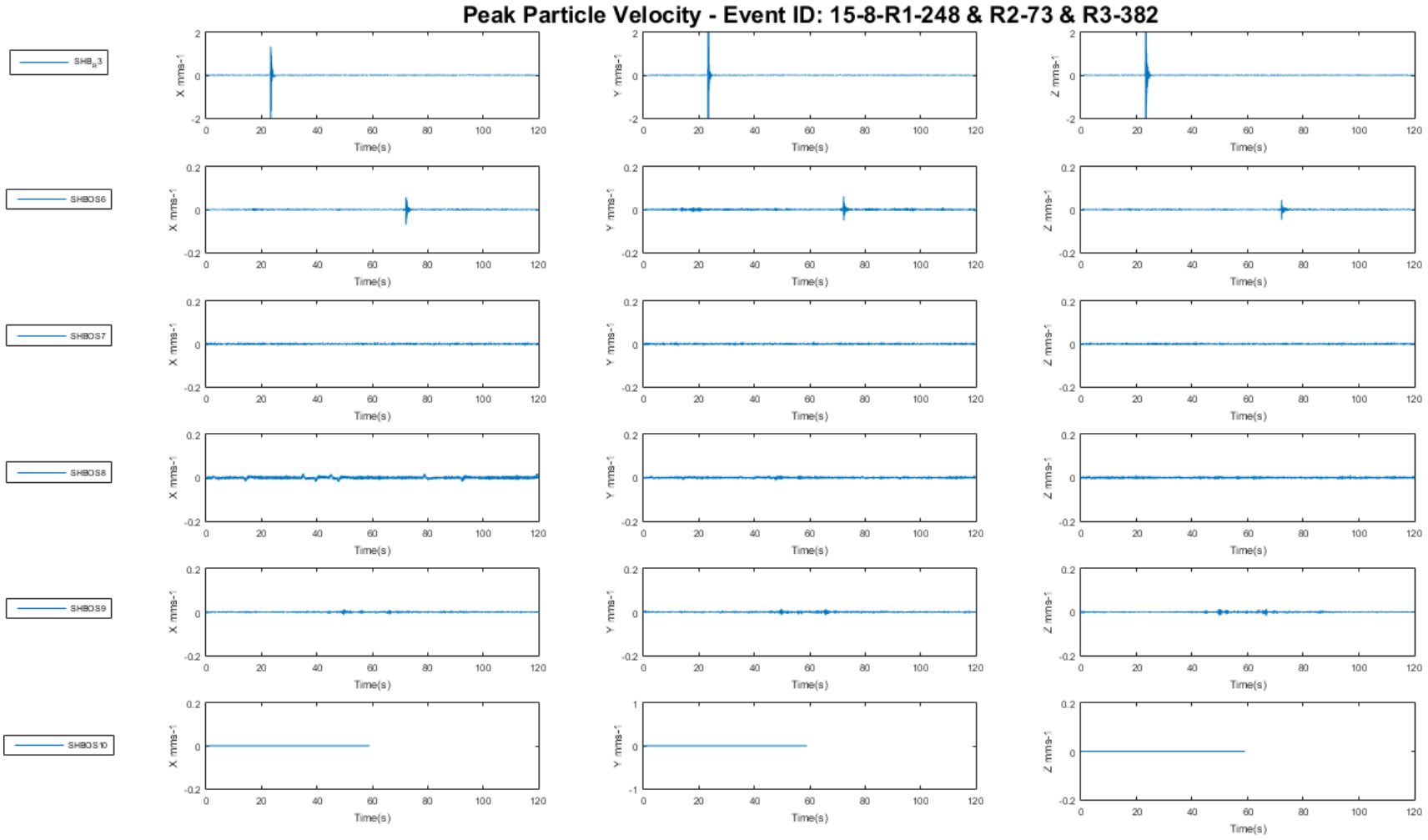


FIGURE 3.365: SHB_OS 6 - 10 15-8-R1-248 & R2-73 & R3-382

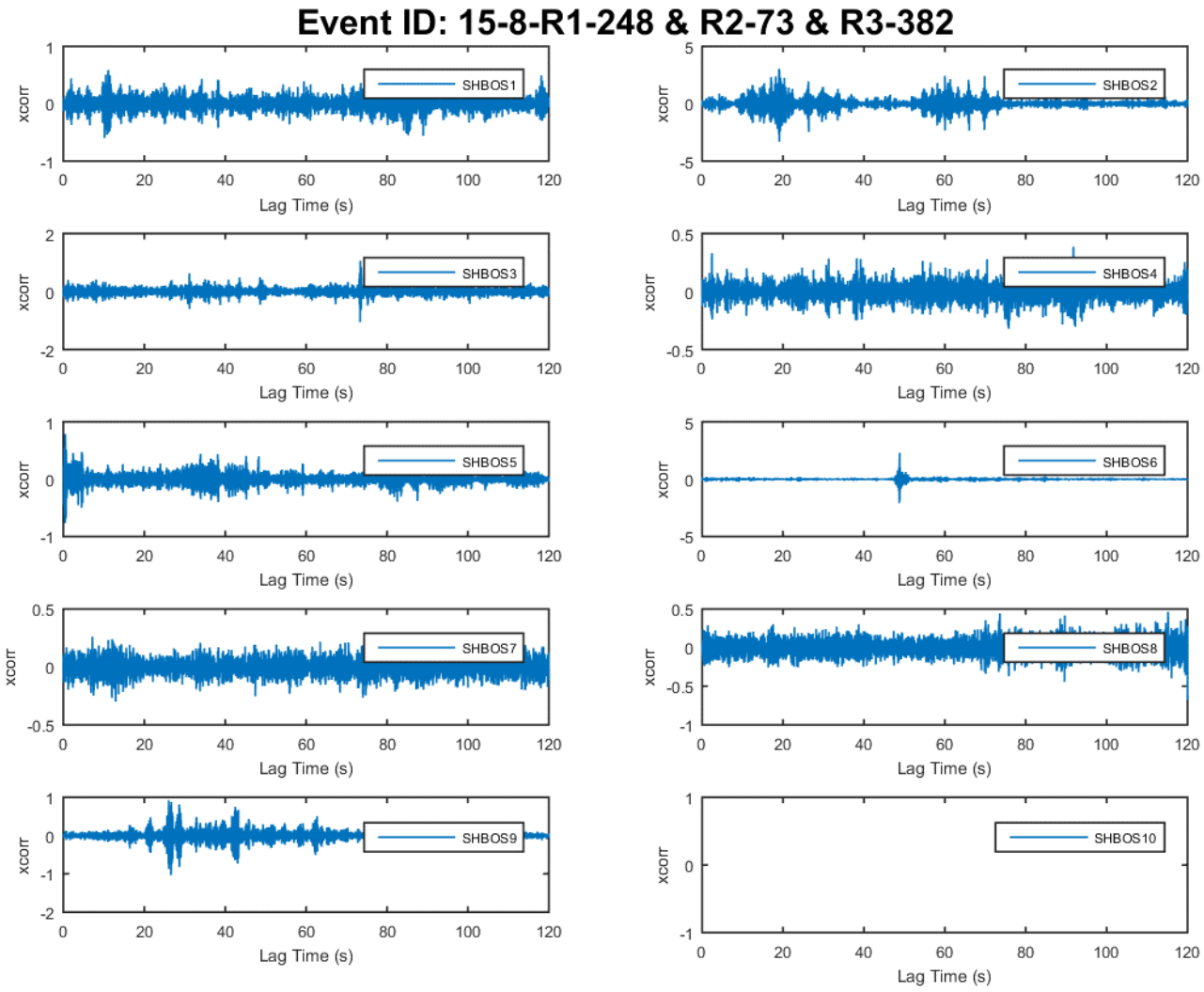


FIGURE 3.366: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-248 & R2-73 & R3-382

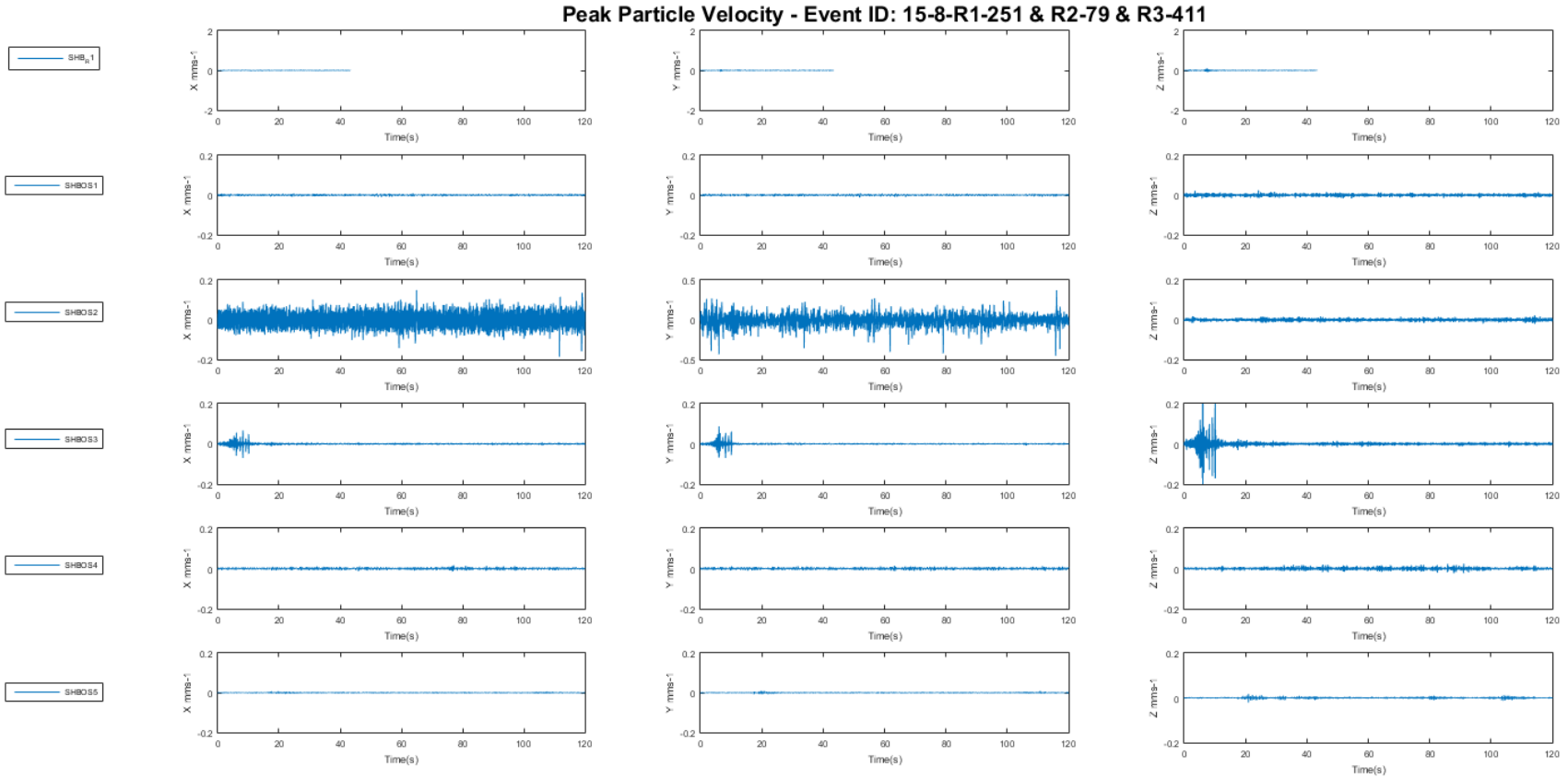


FIGURE 3.367: SHB_OS 1 - 5 15-8-R1-251 & R2-79 & R3-411

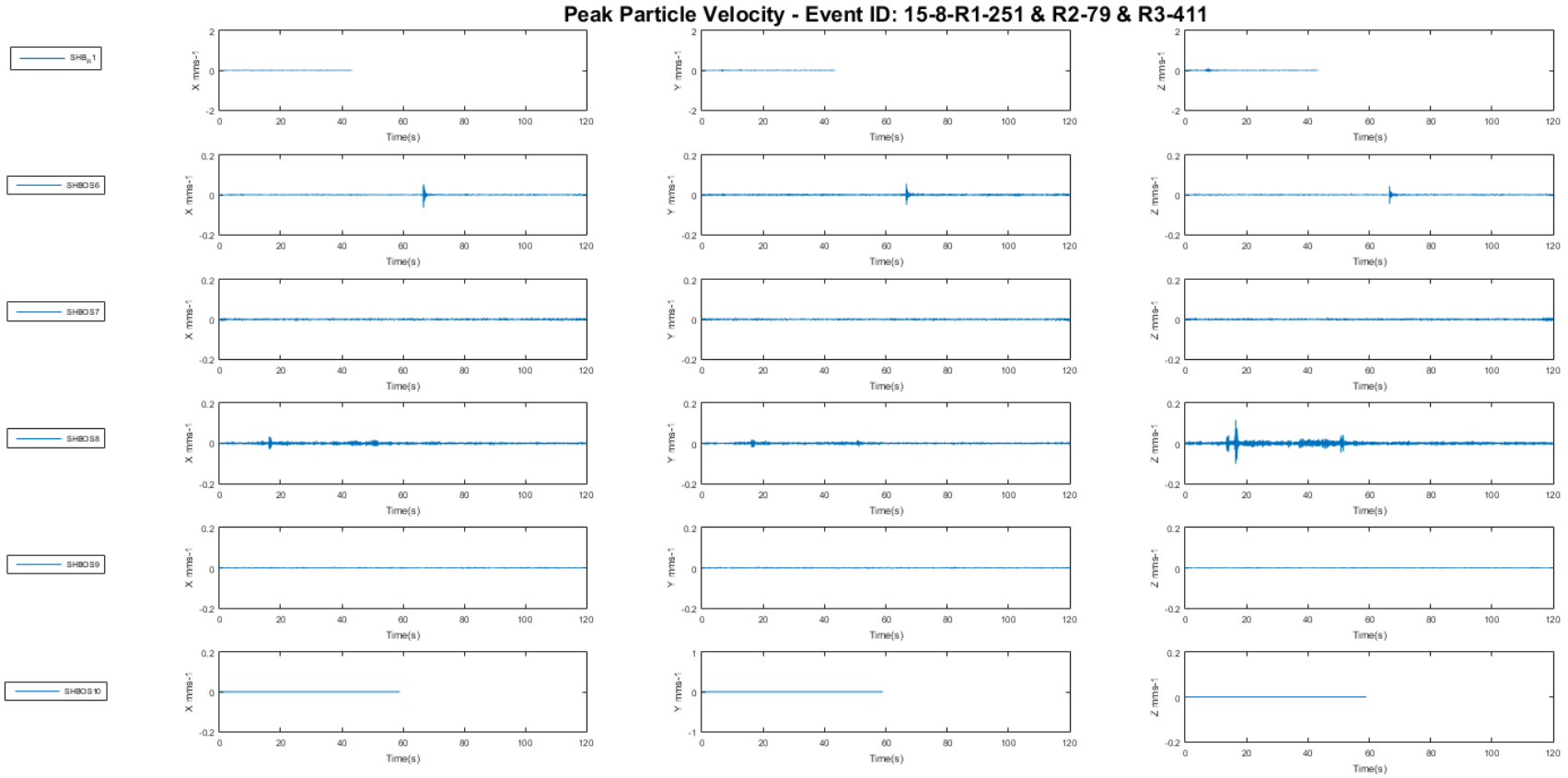


FIGURE 3.368: SHB_OS 6 - 10 15-8-R1-251 & R2-79 & R3-411

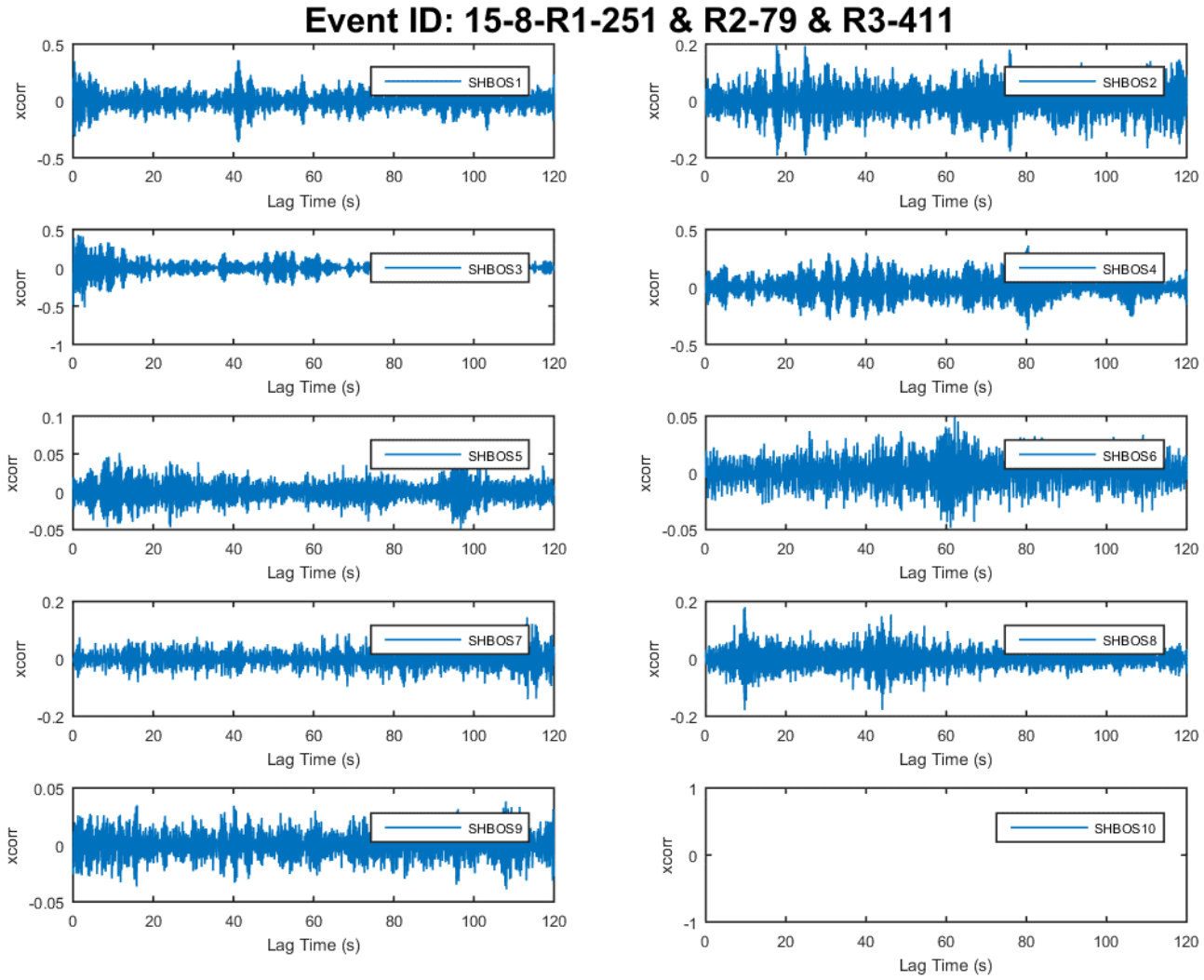


FIGURE 3.369: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-251 & R2-79 & R3-411

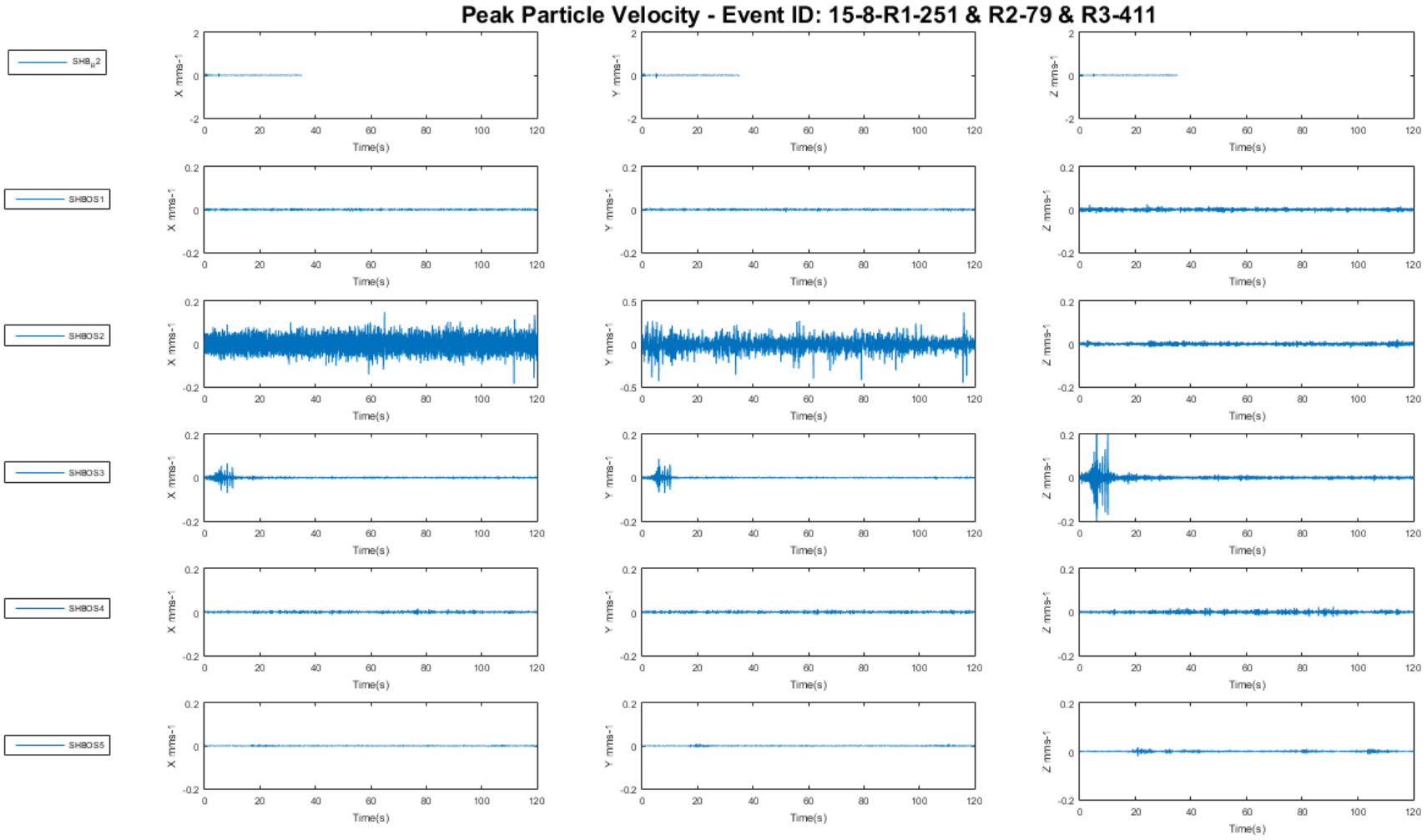


FIGURE 3.370: SHB_OS 1 - 5 15-8-R1-251 & R2-79 & R3-411

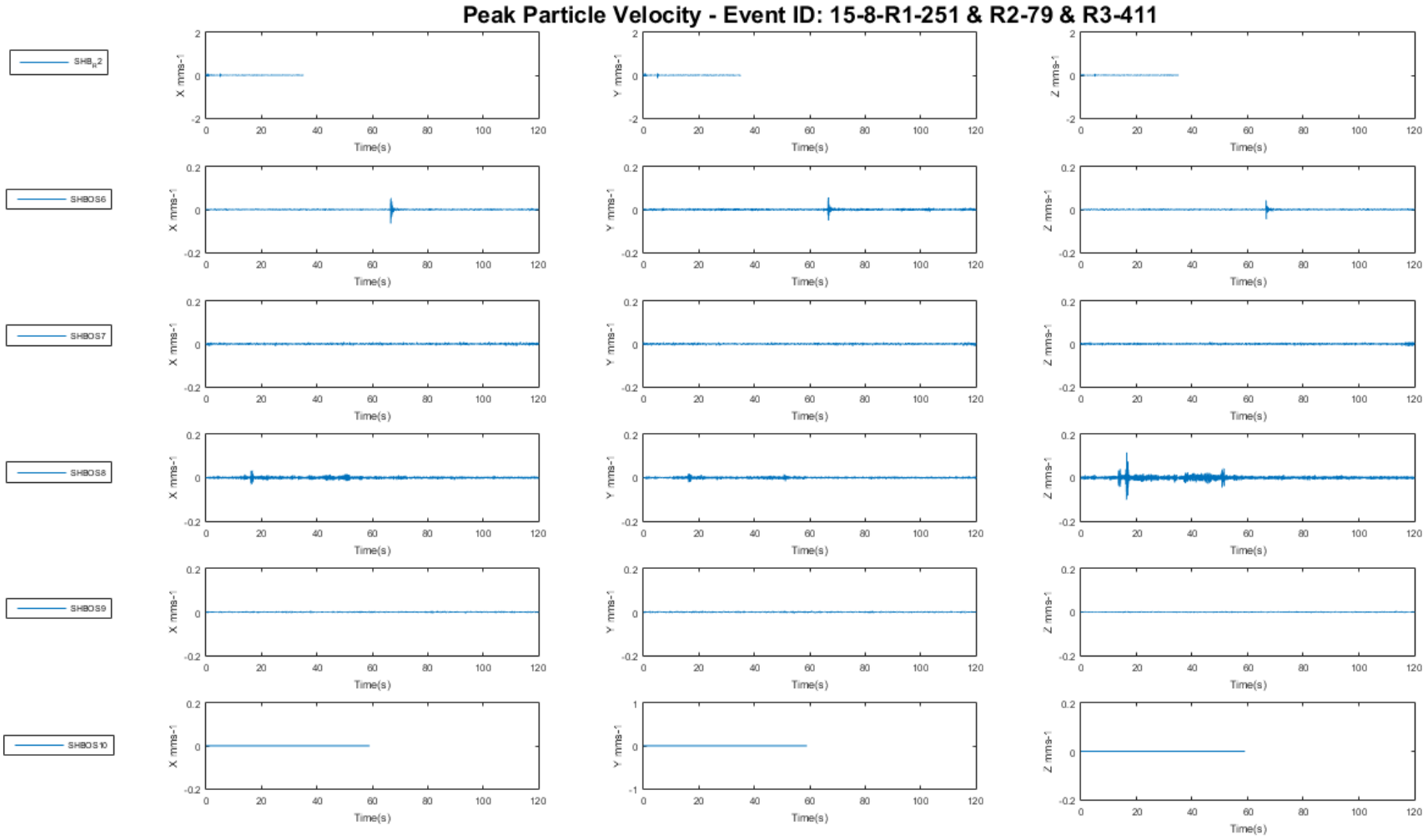


FIGURE 3.371: SHB_OS 6 - 10 15-8-R1-251 & R2-79 & R3-411

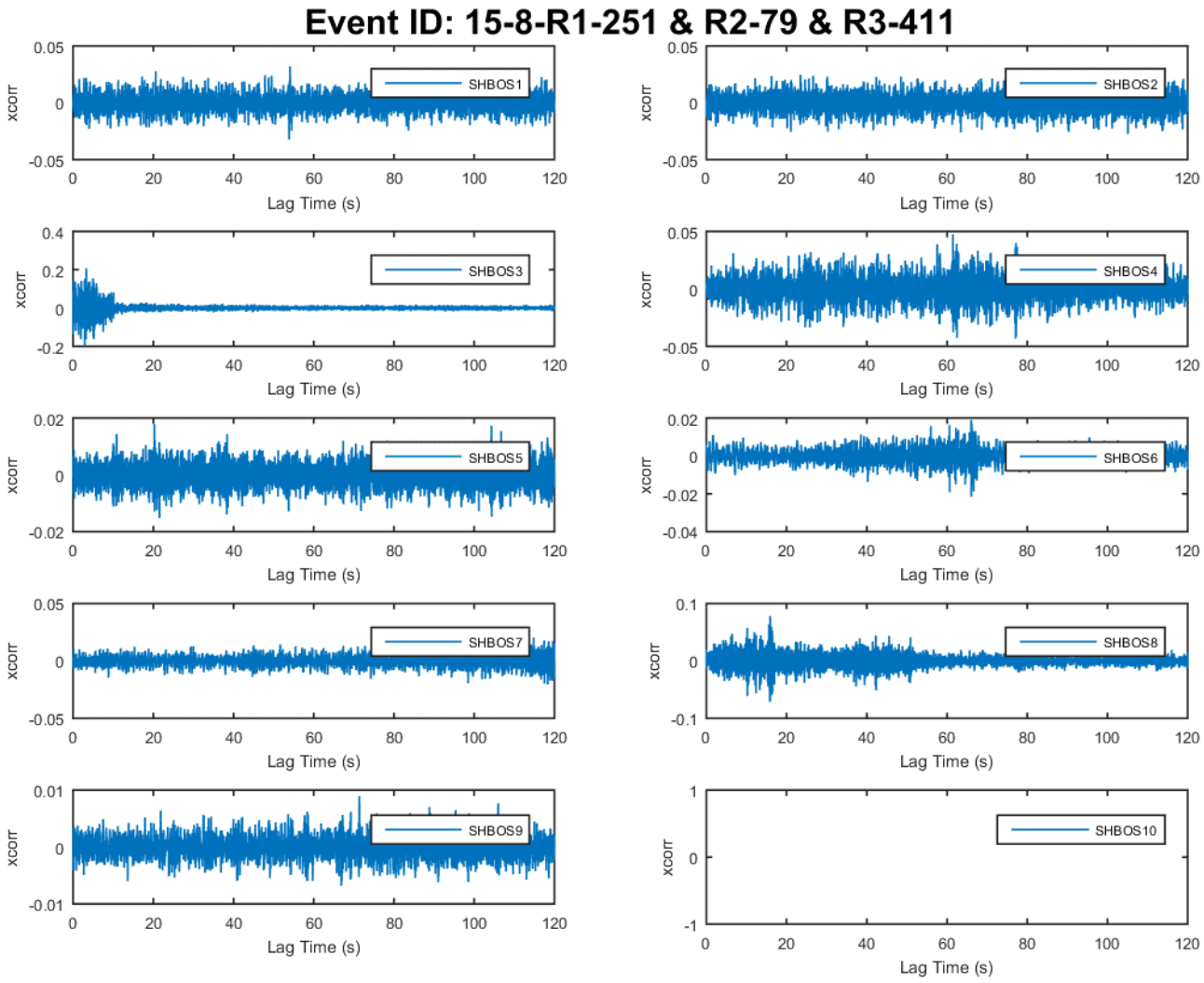


FIGURE 3.372: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-251 & R2-79 & R3-411

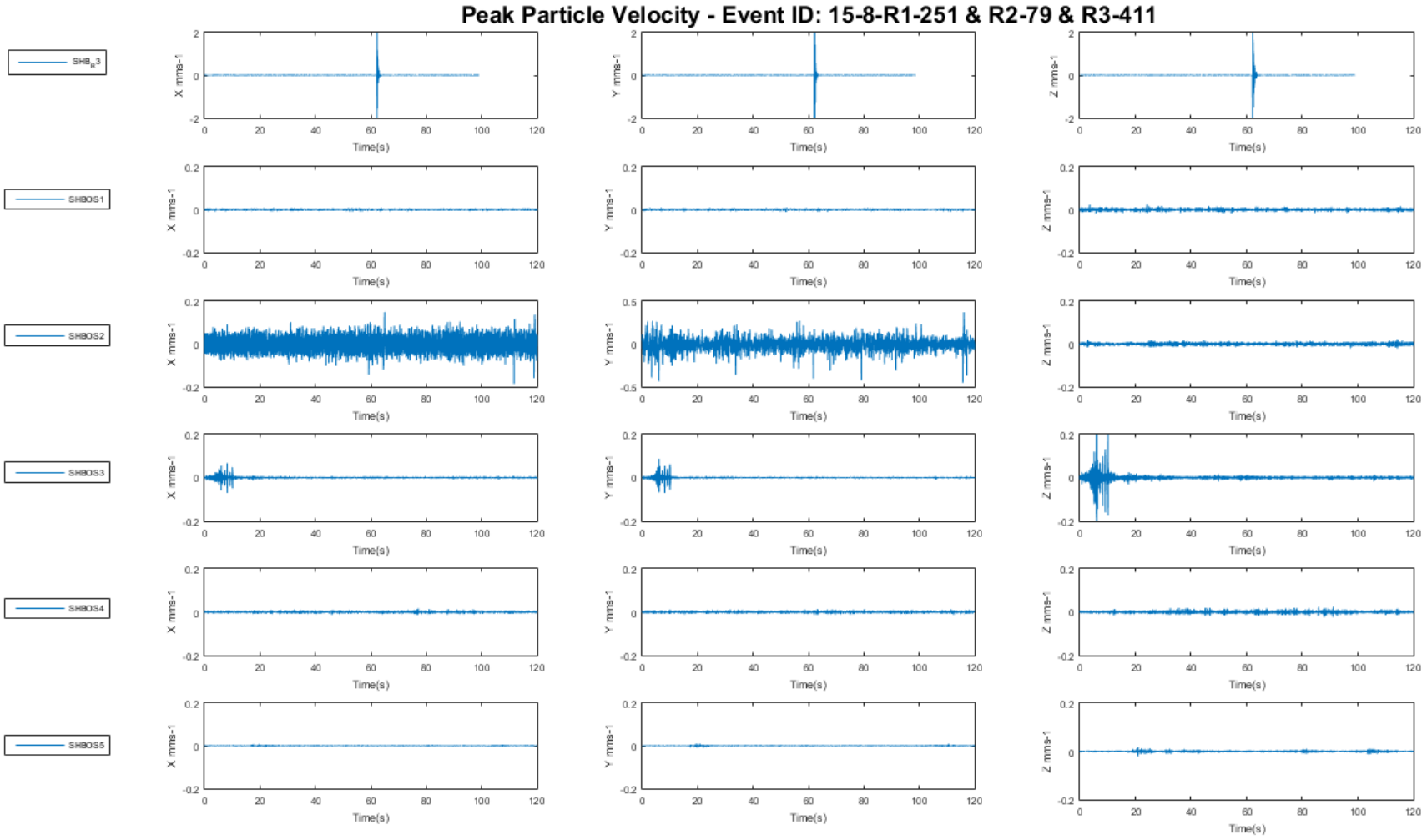


FIGURE 3.373: SHB_OS 1 - 5 15-8-R1-251 & R2-79 & R3-411

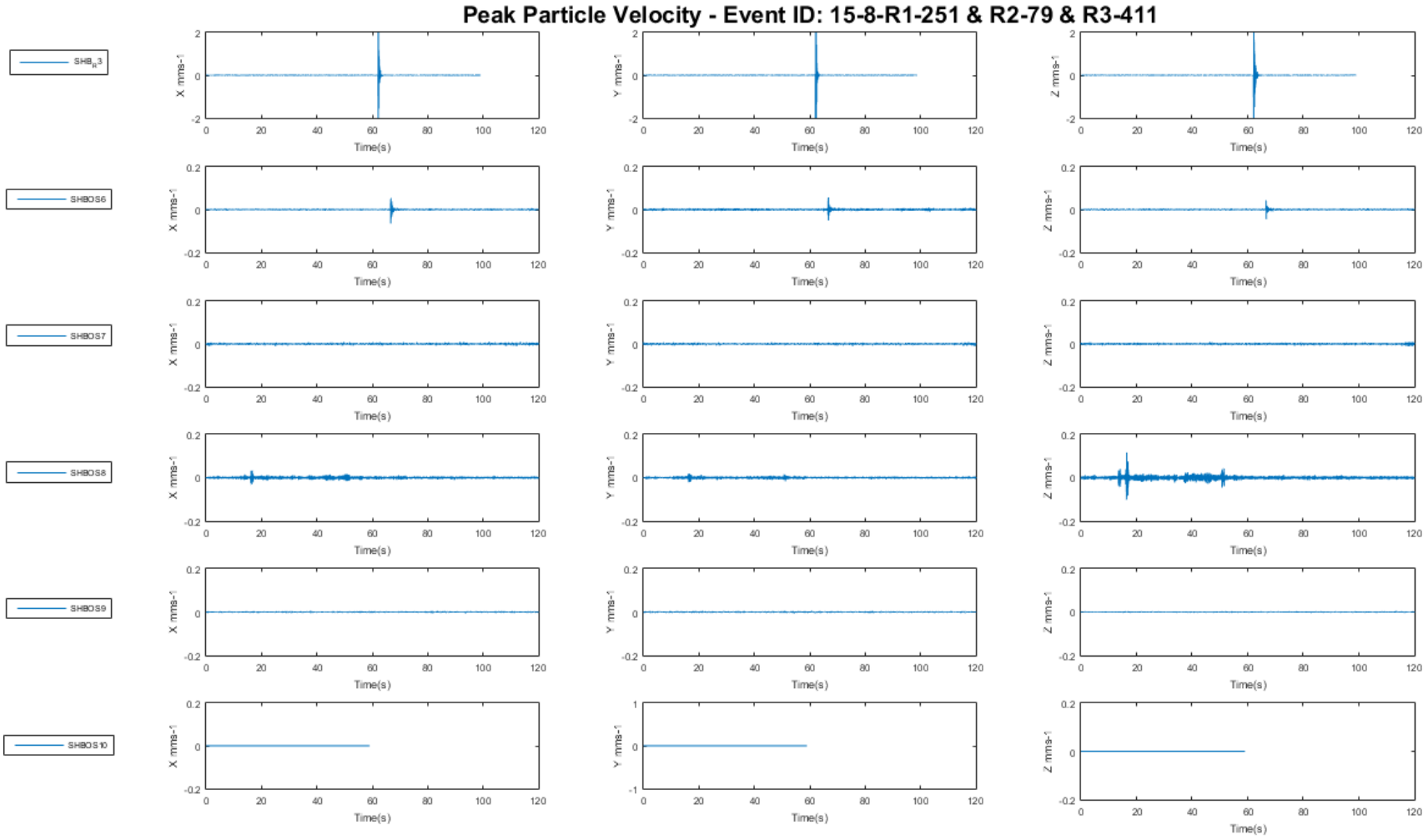


FIGURE 3.374: SHB_OS 6 - 10 15-8-R1-251 & R2-79 & R3-411

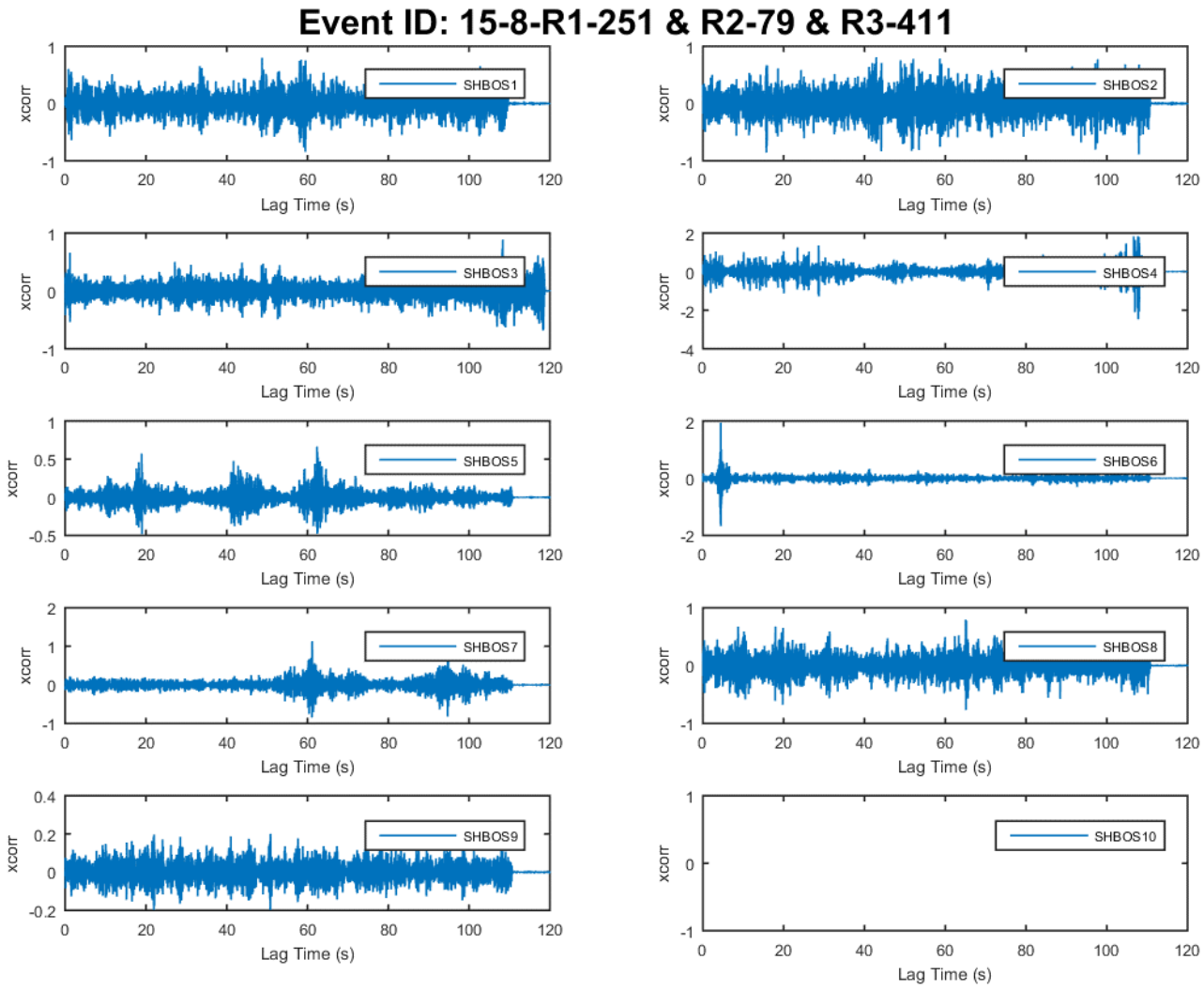


FIGURE 3.375: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-251 & R2-79 & R3-411

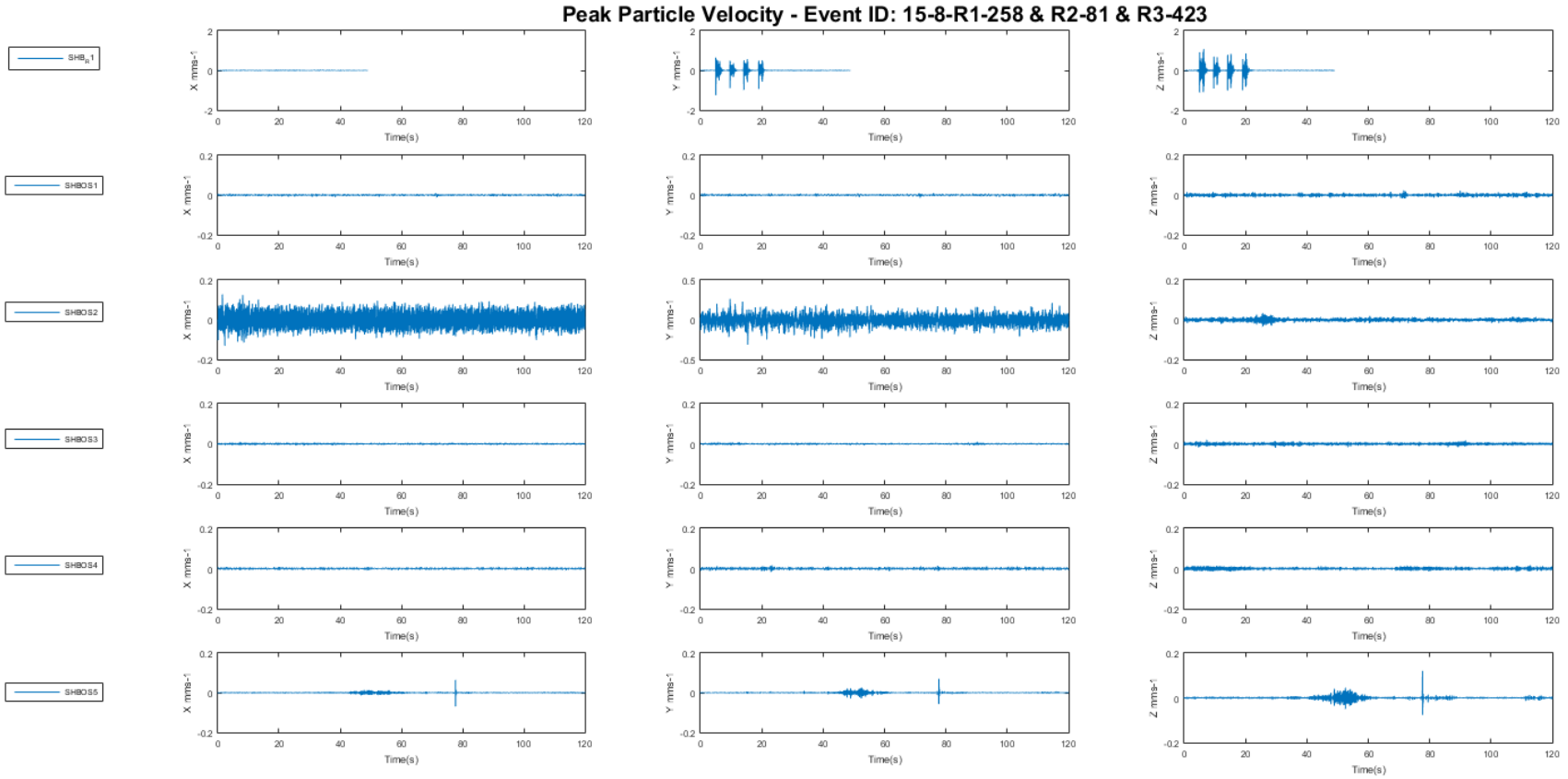


FIGURE 3.376: SHB_OS 1 - 5 15-8-R1-258 & R2-81 & R3-423

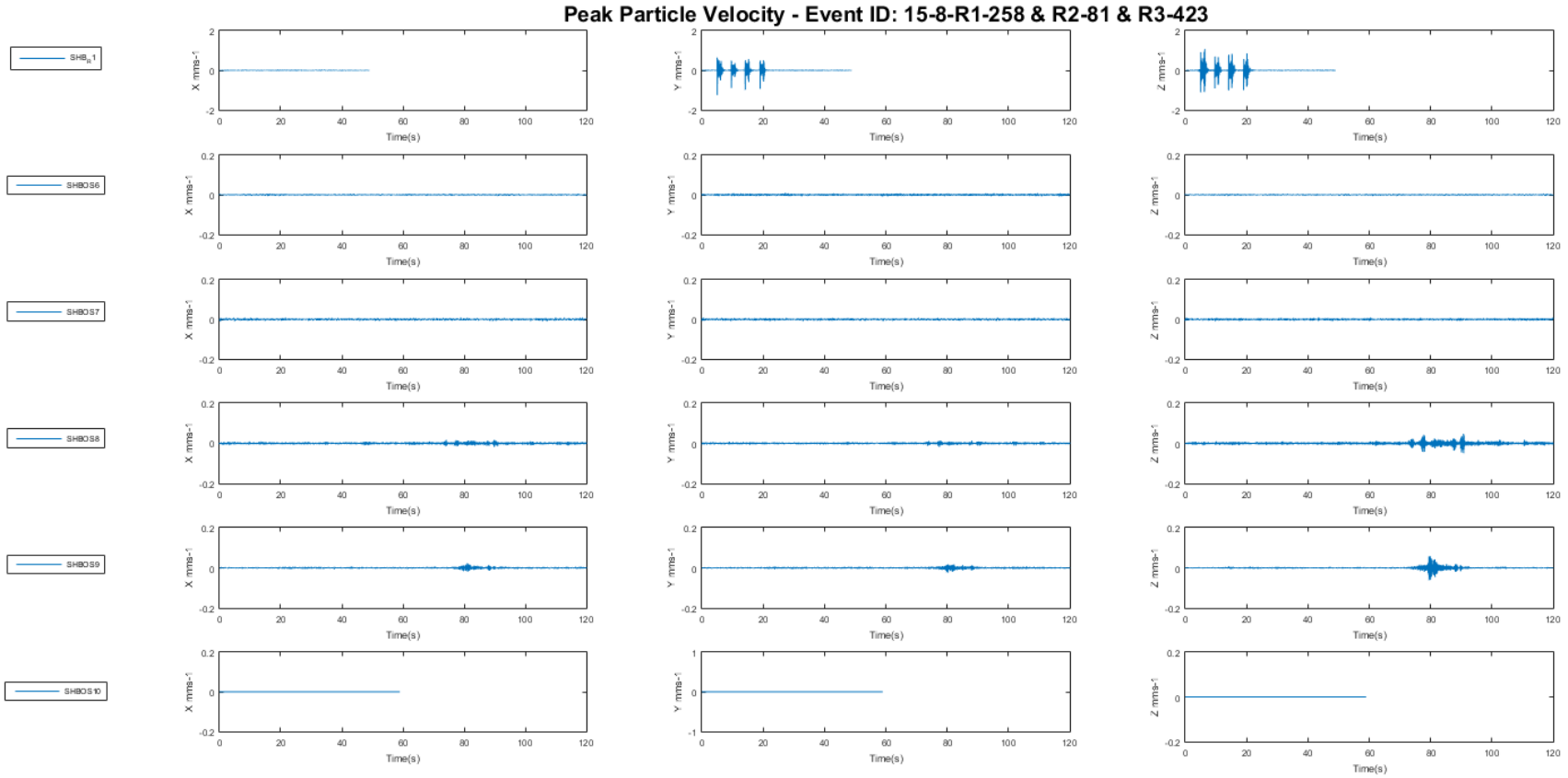


FIGURE 3.377: SHB_OS 6 - 10 15-8-R1-258 & R2-81 & R3-423

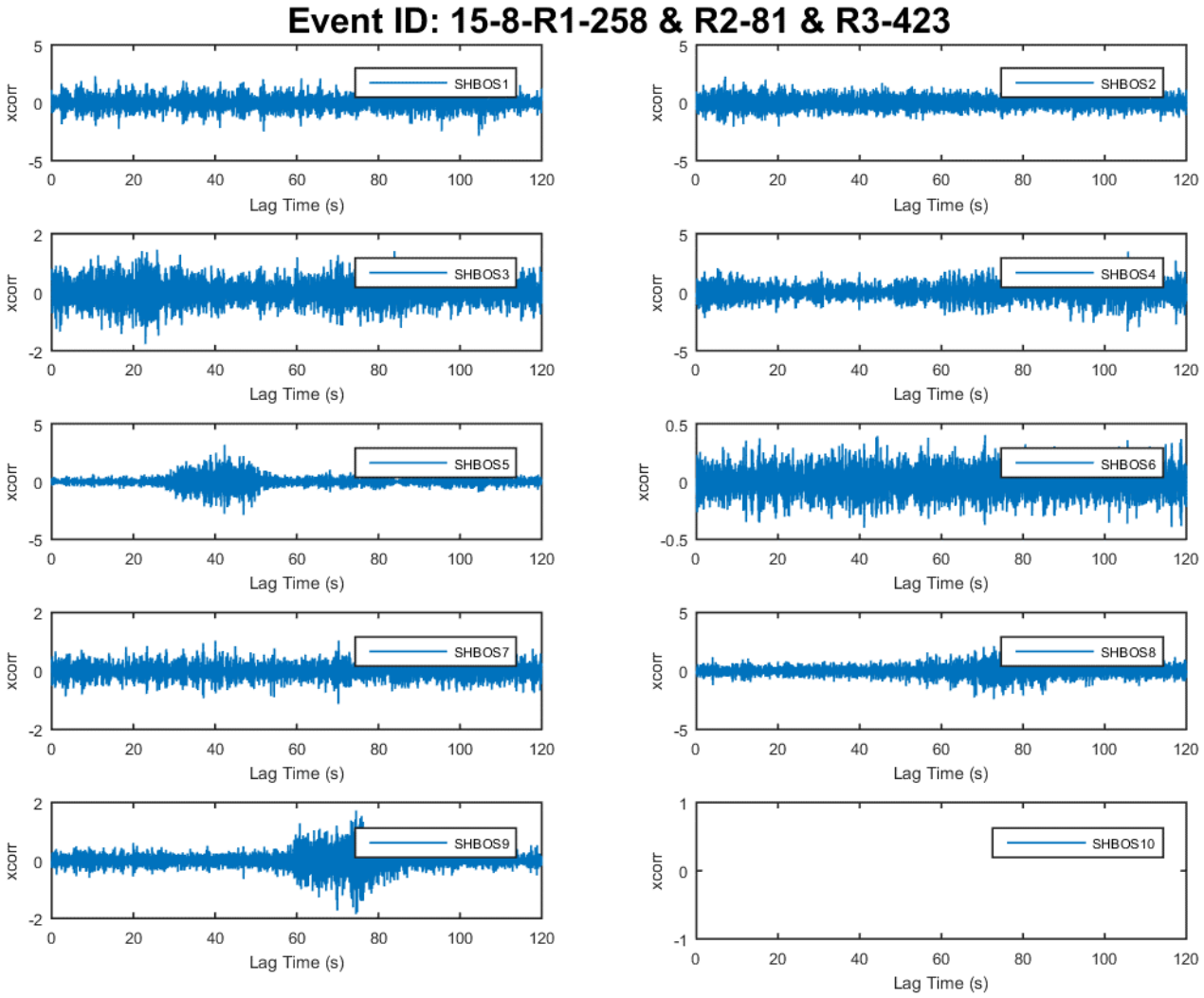


FIGURE 3.378: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-258 & R2-81 & R3-423

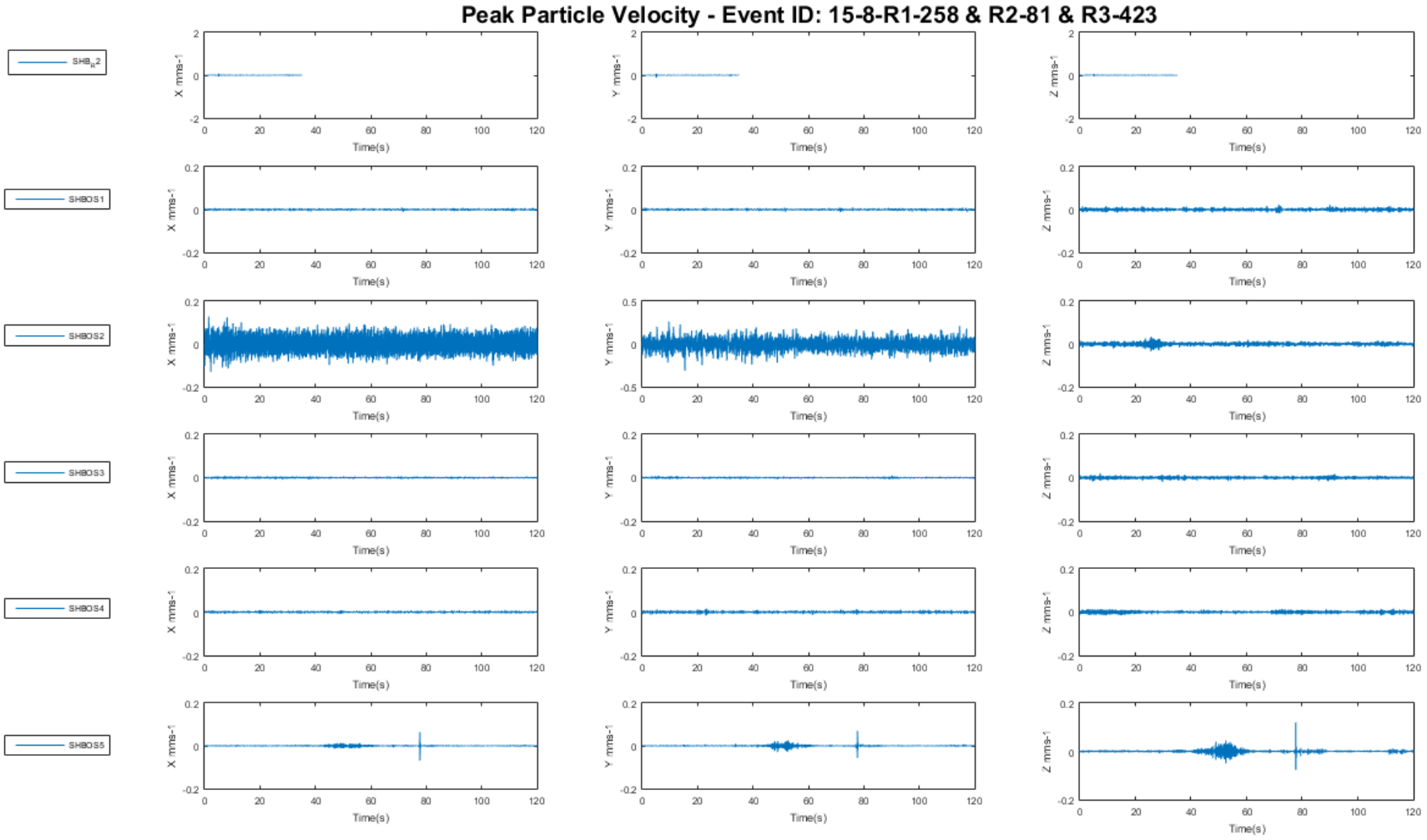


FIGURE 3.379: SHB_OS 1 - 5 15-8-R1-258 & R2-81 & R3-423

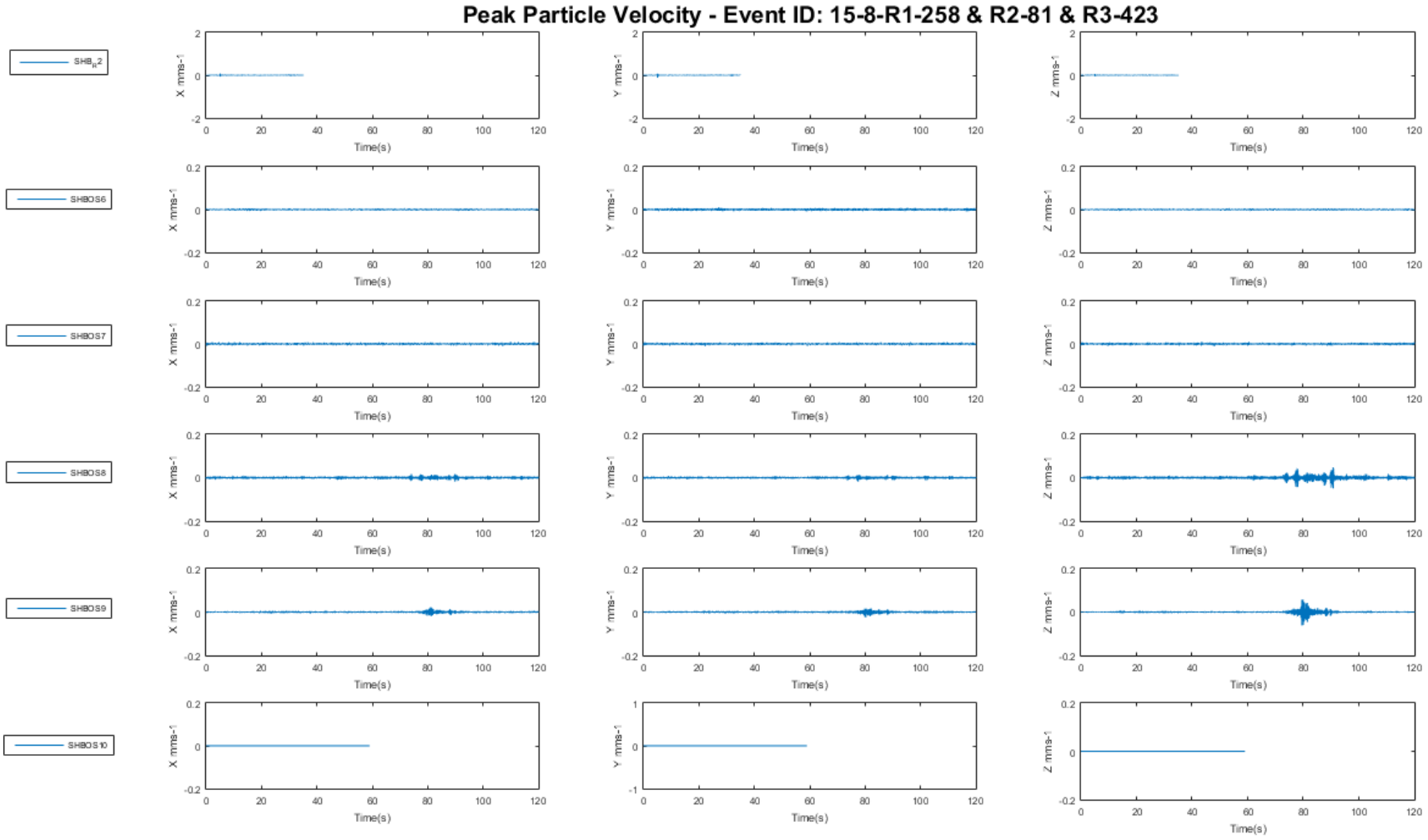


FIGURE 3.380: SHB_OS 6 - 10 15-8-R1-258 & R2-81 & R3-423

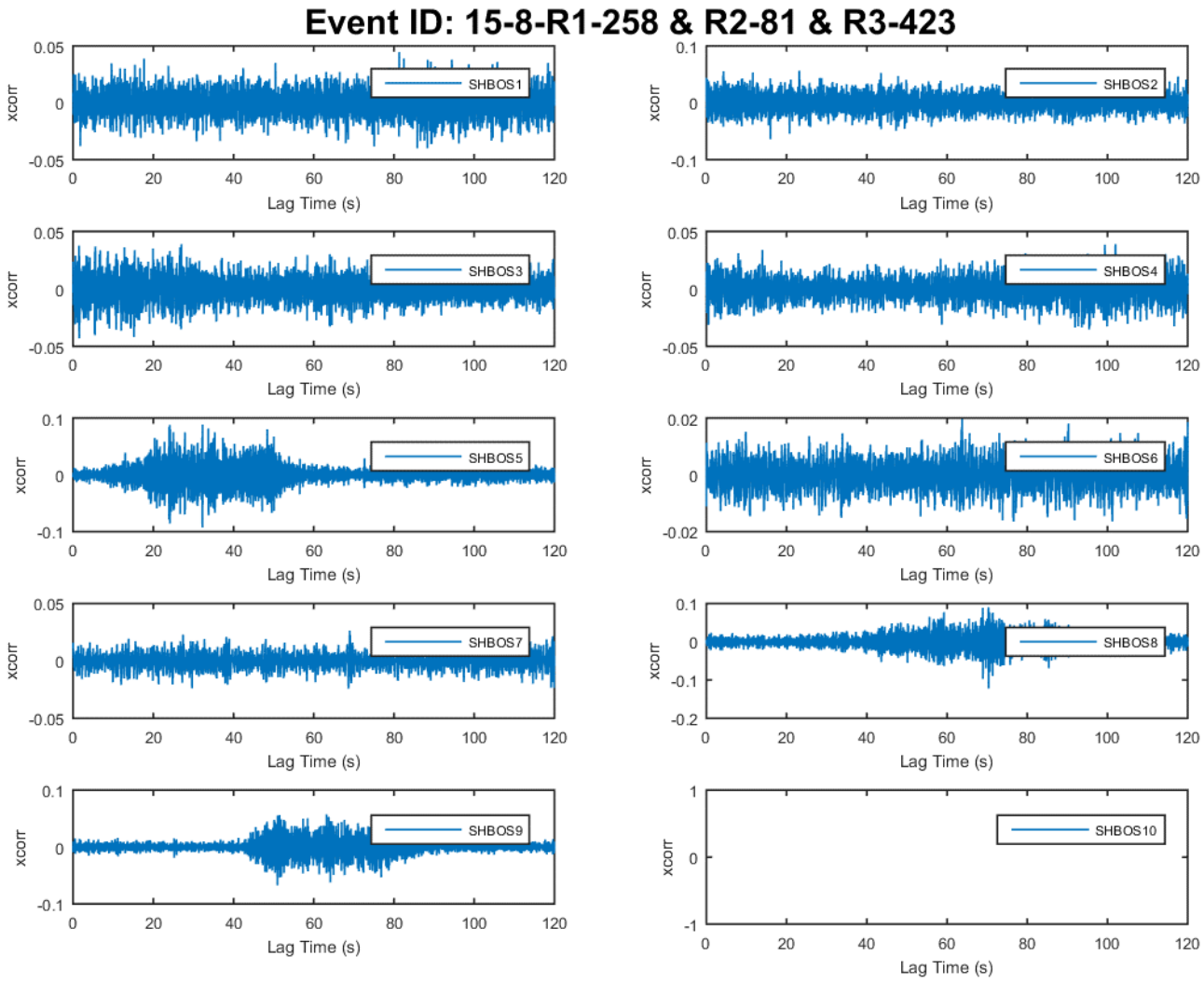


FIGURE 3.381: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-258 & R2-81 & R3-423

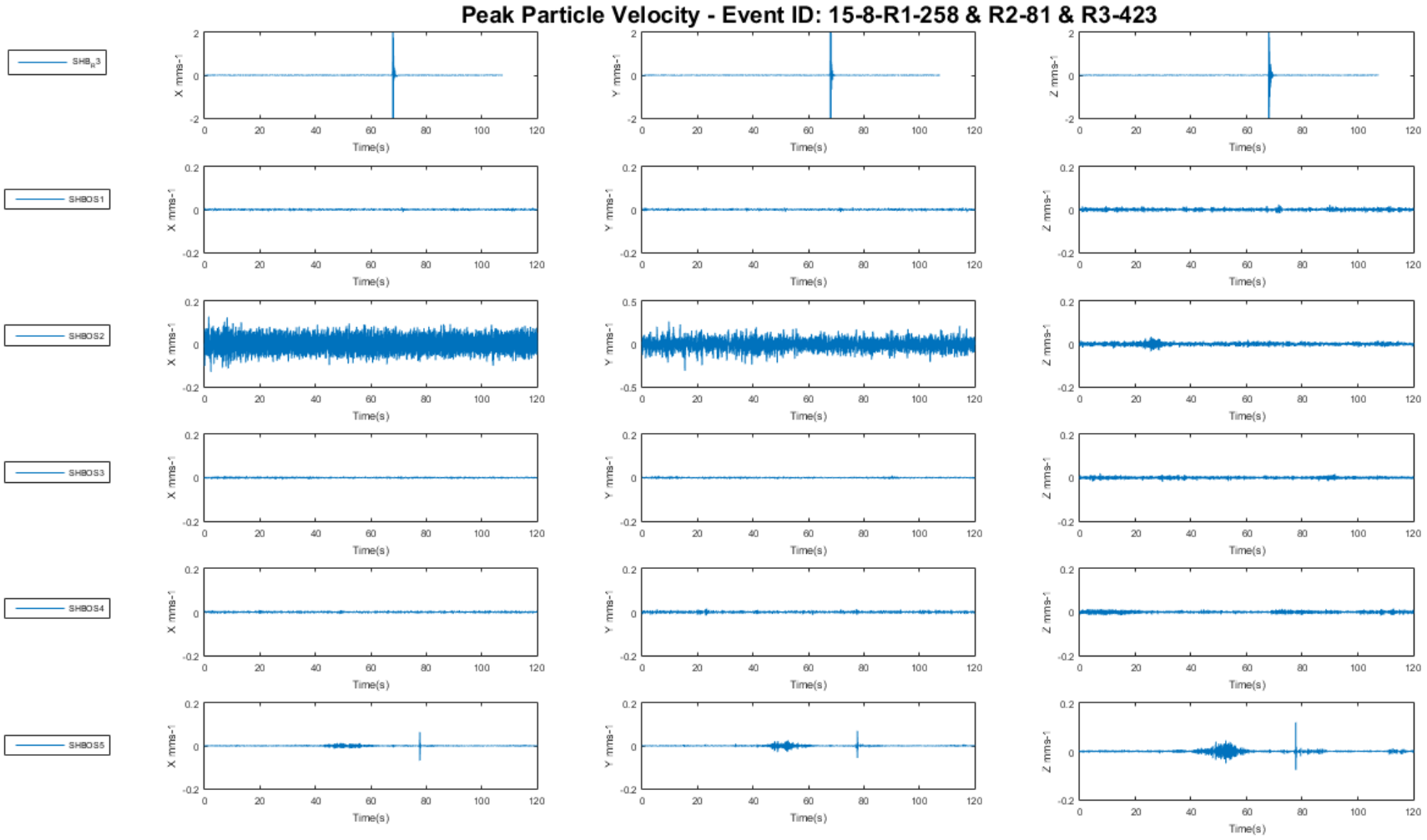


FIGURE 3.382: SHB_OS 1 - 5 15-8-R1-258 & R2-81 & R3-423

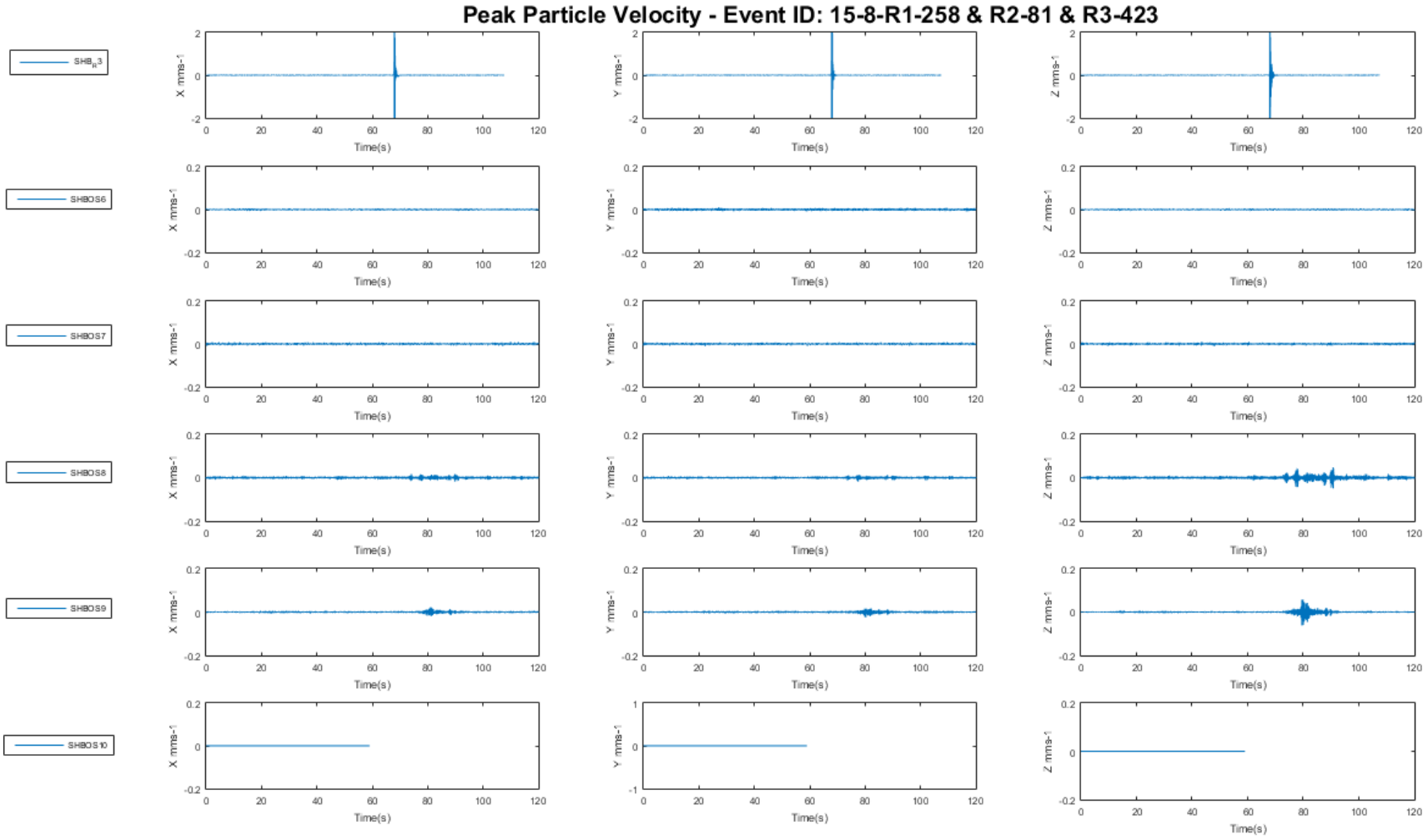


FIGURE 3.383: SHB_OS 6 - 10 15-8-R1-258 & R2-81 & R3-423

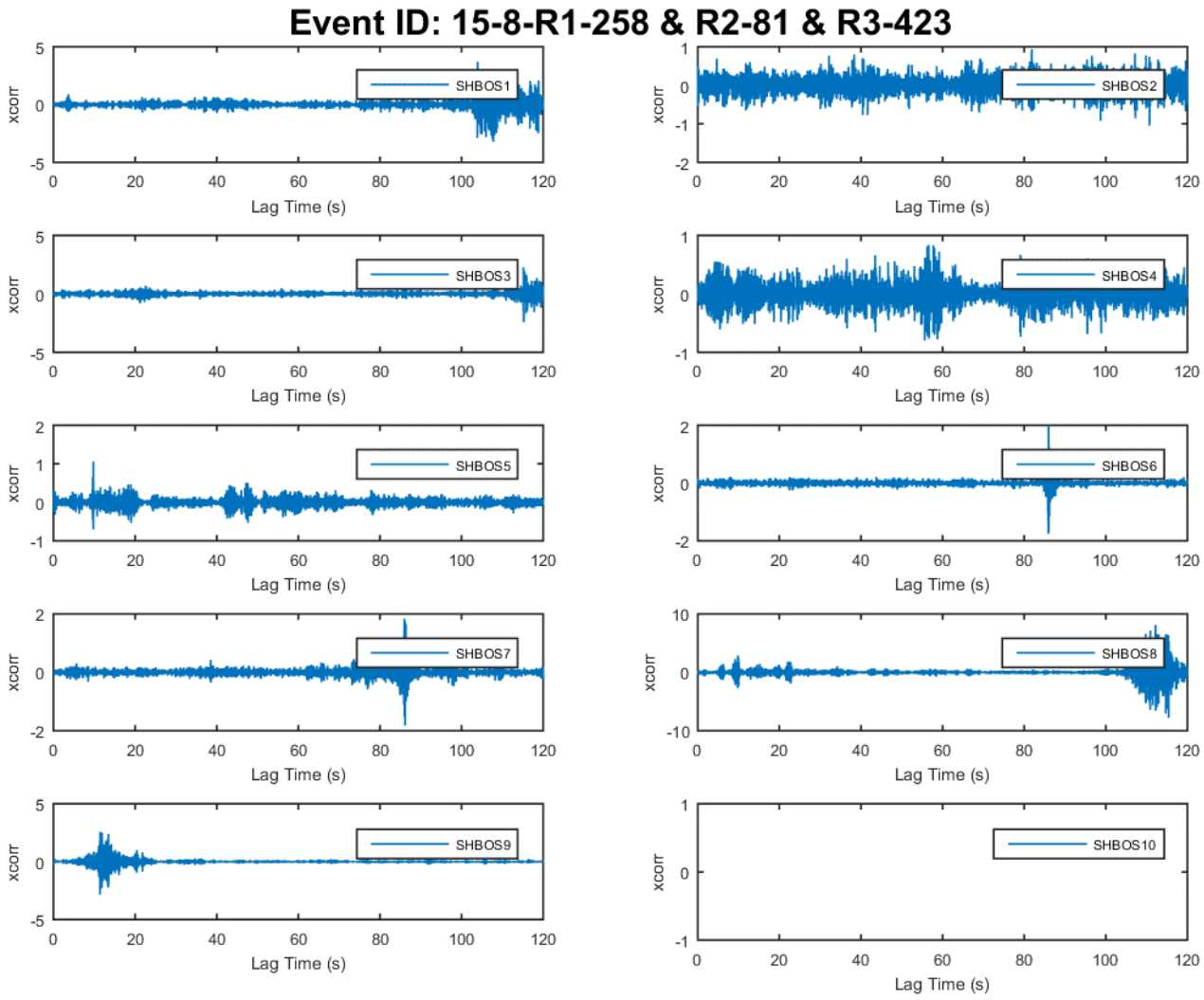


FIGURE 3.384: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-258 & R2-81 & R3-423

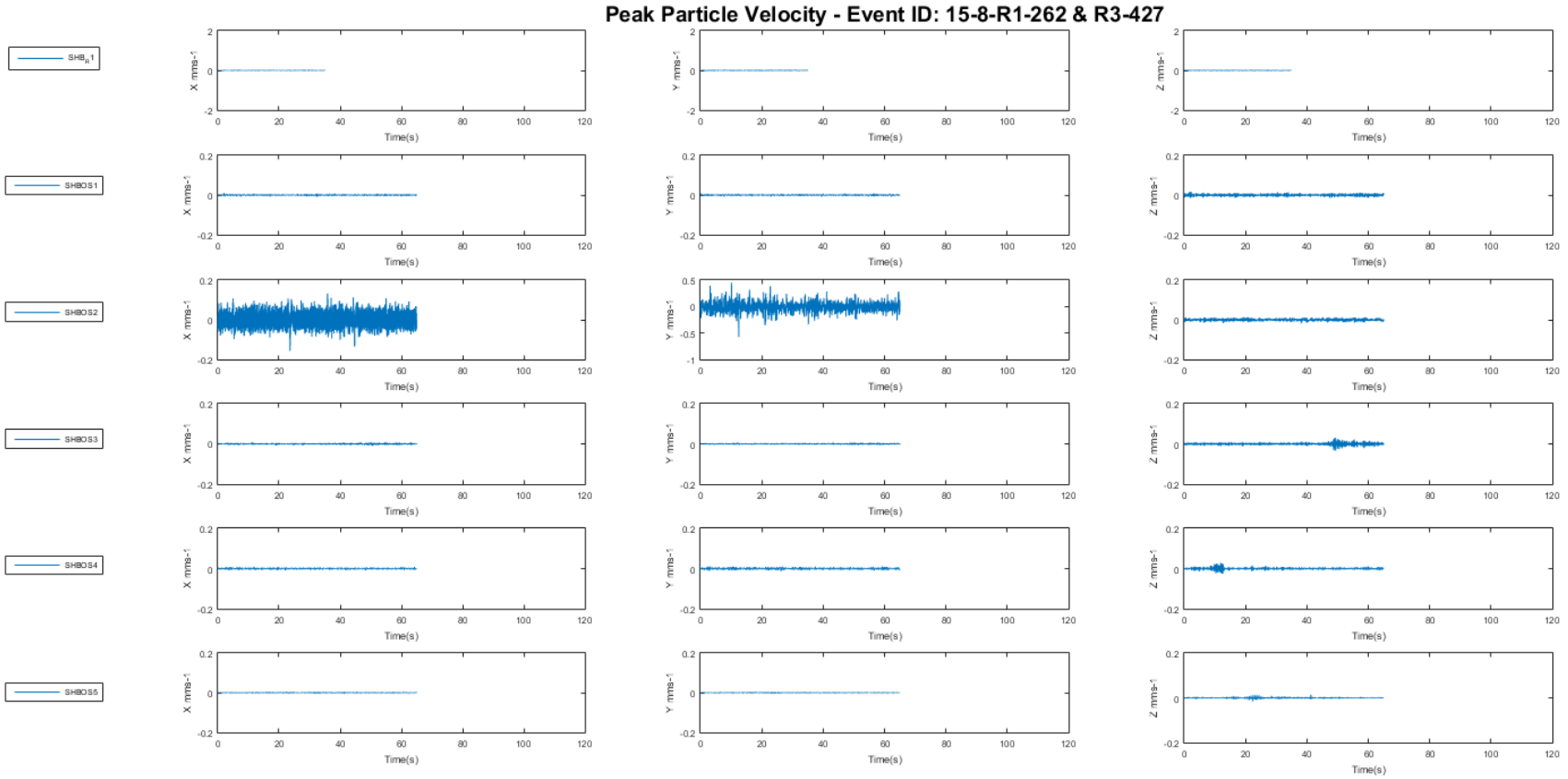
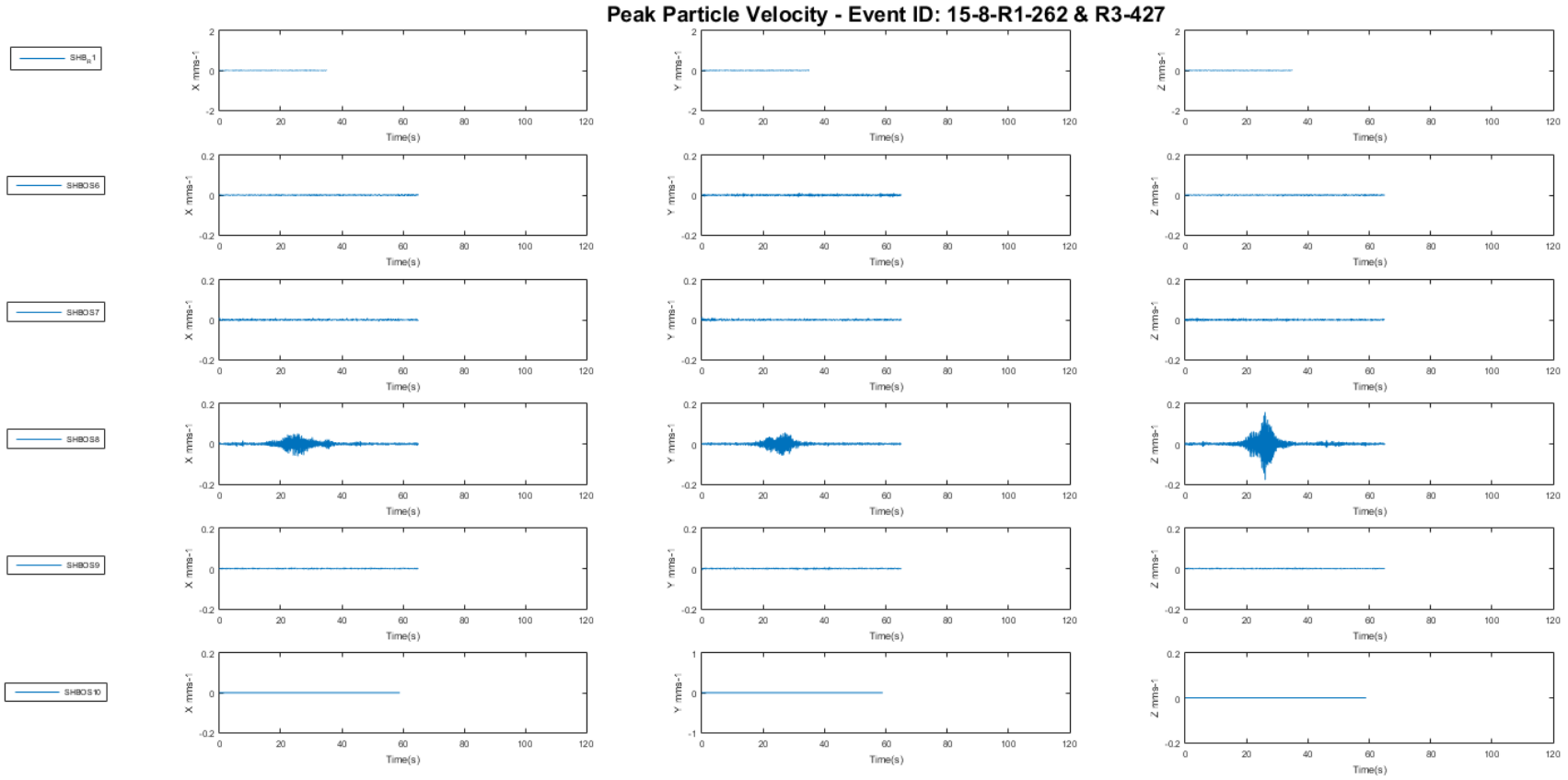


FIGURE 3.385: SHB_OS 1 - 5 15-8-R1-262 & R3-427

FIGURE 3.386: SHB_OS 6 - 10 15-8-R1-262 & R3-427



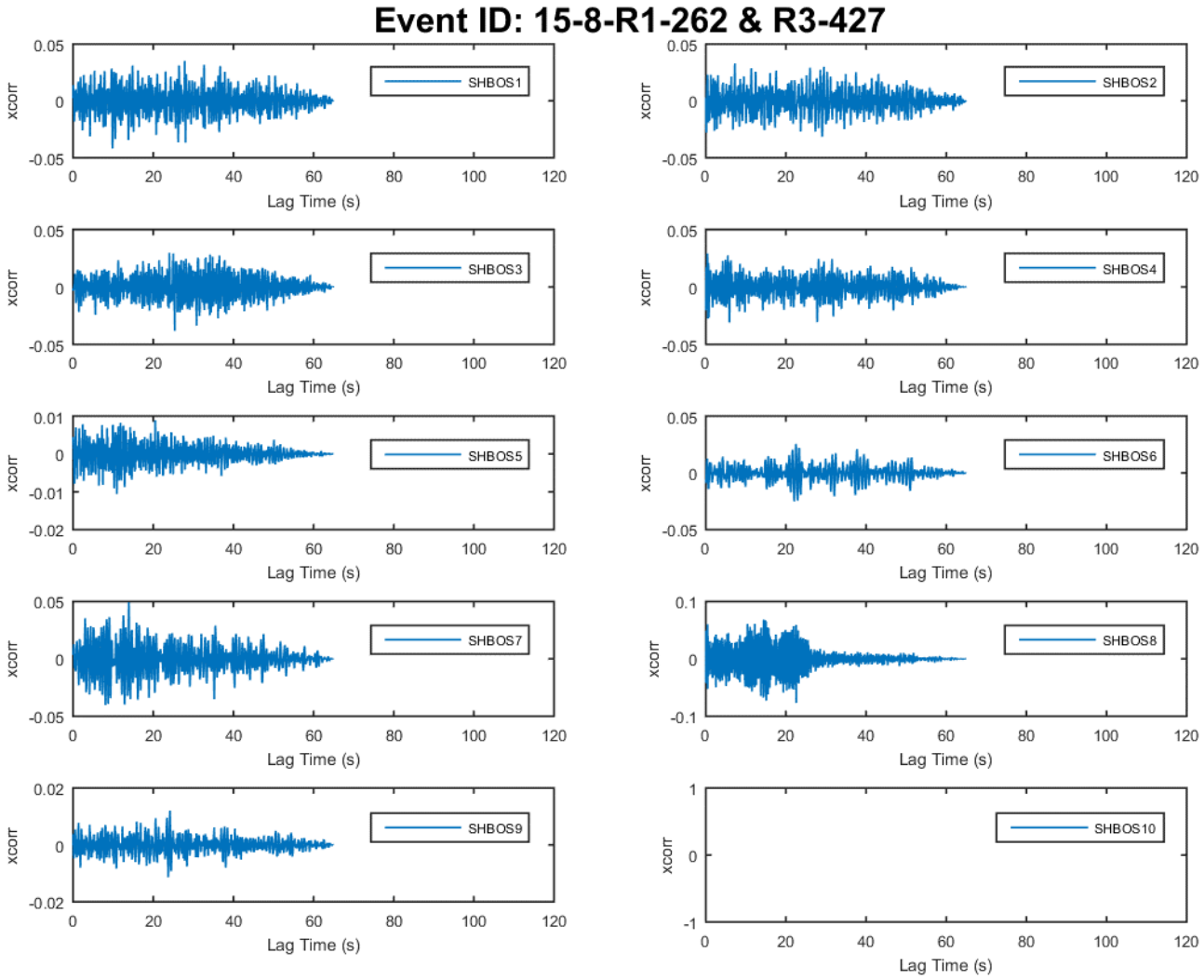


FIGURE 3.387: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-262 & R3-427

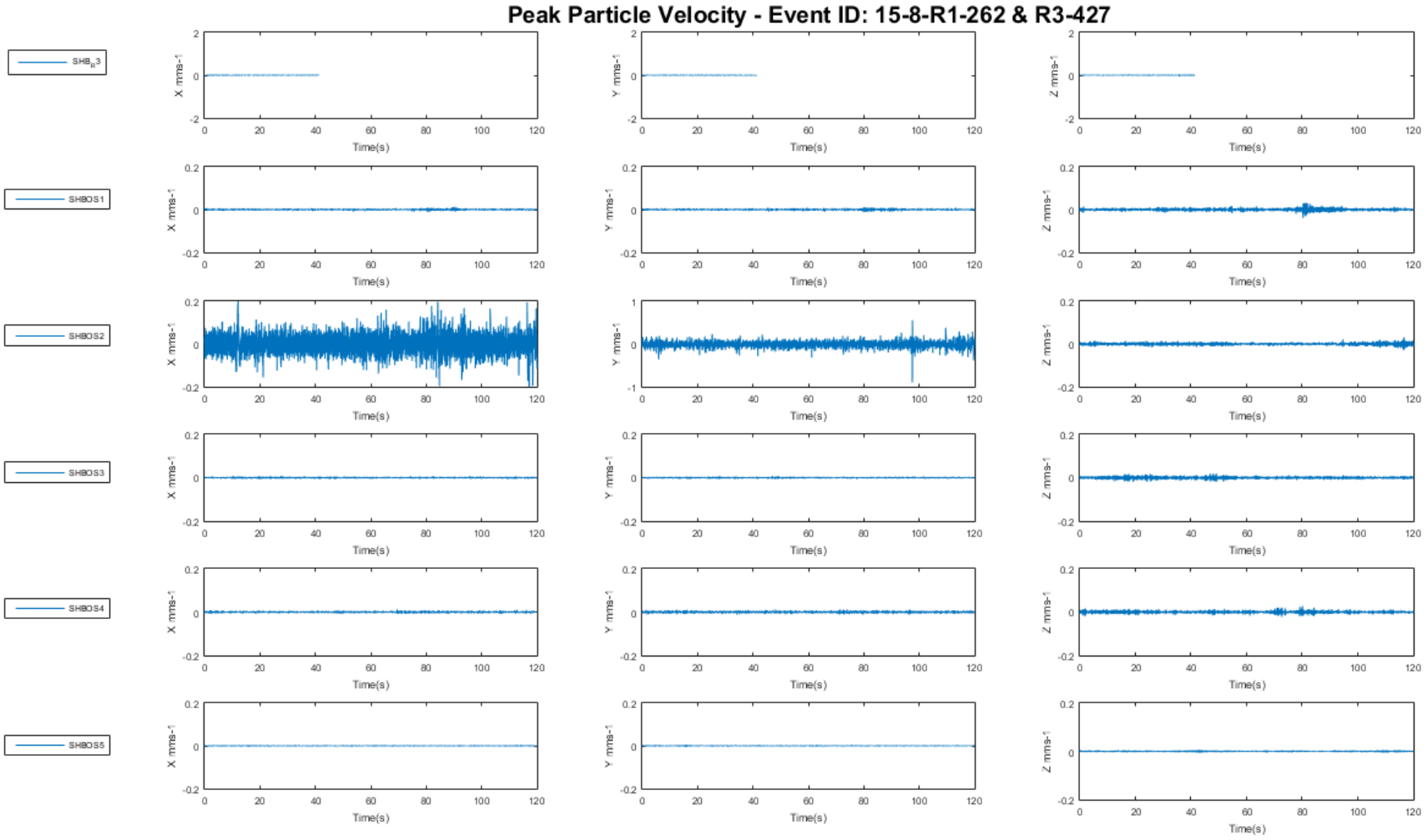


FIGURE 3.388: SHB_OS 1 - 5 15-8-R1-262 & R3-427

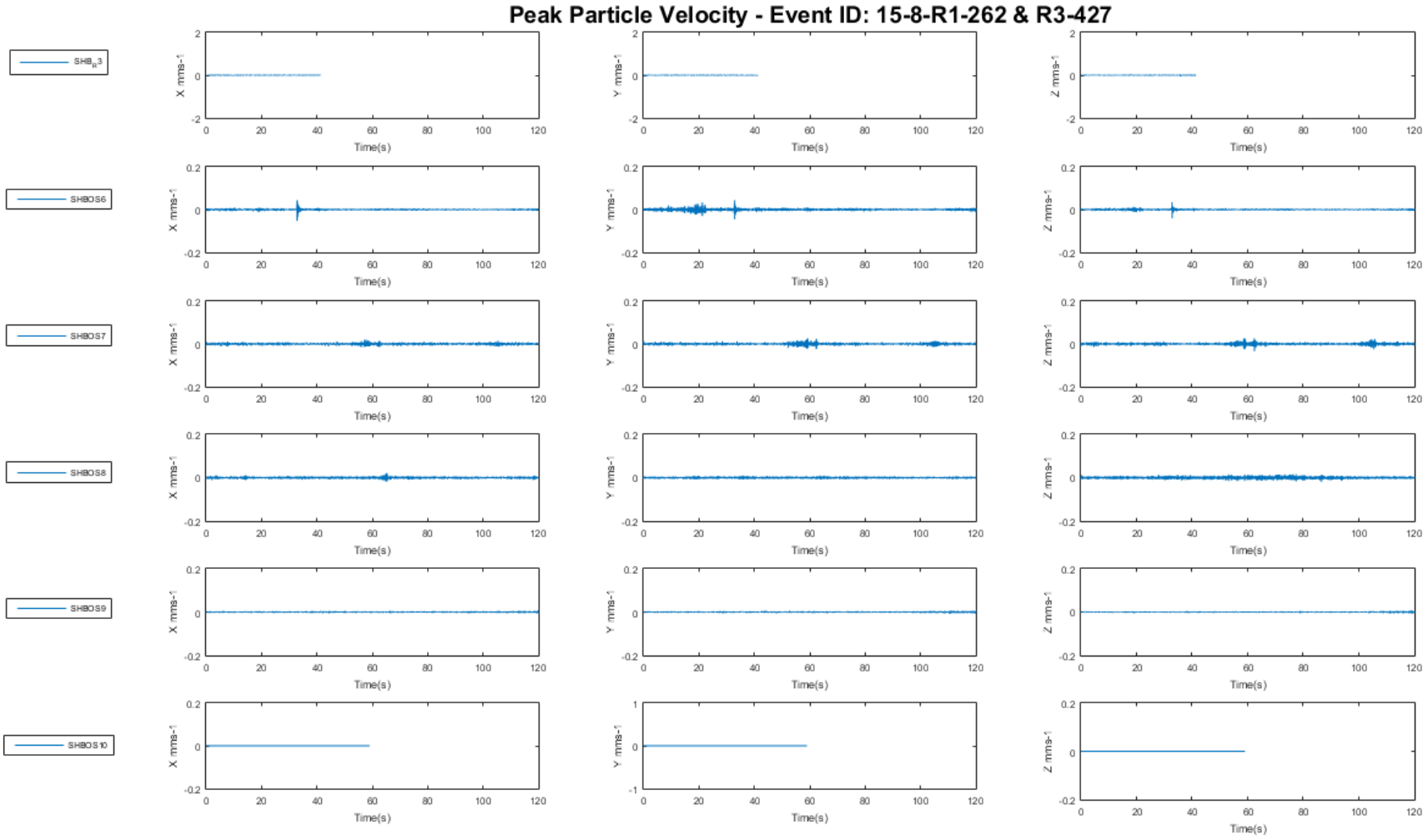


FIGURE 3.389: SHB_OS 6 - 10 15-8-R1-262 & R3-427

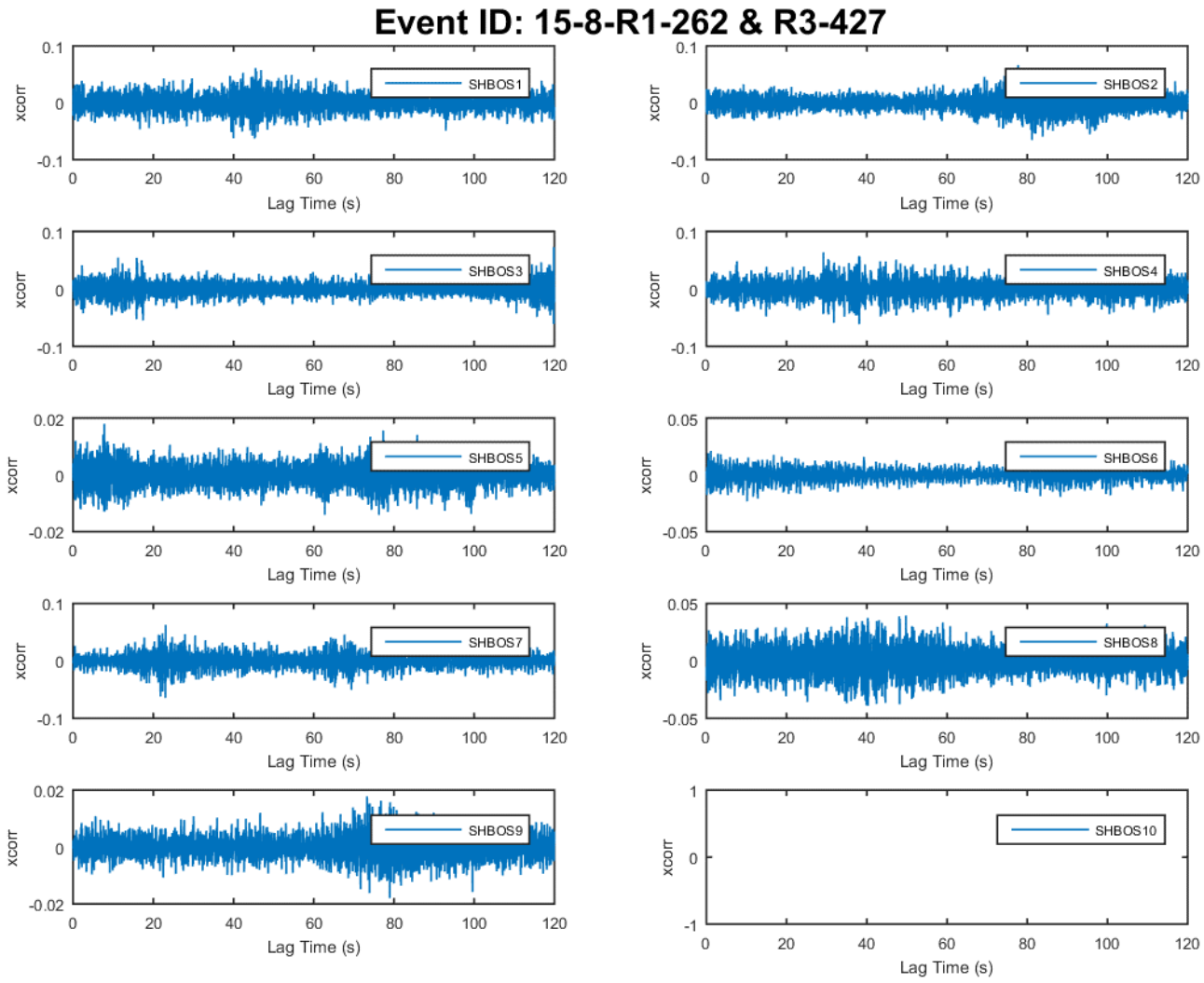


FIGURE 3.390: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-262 & R3-427

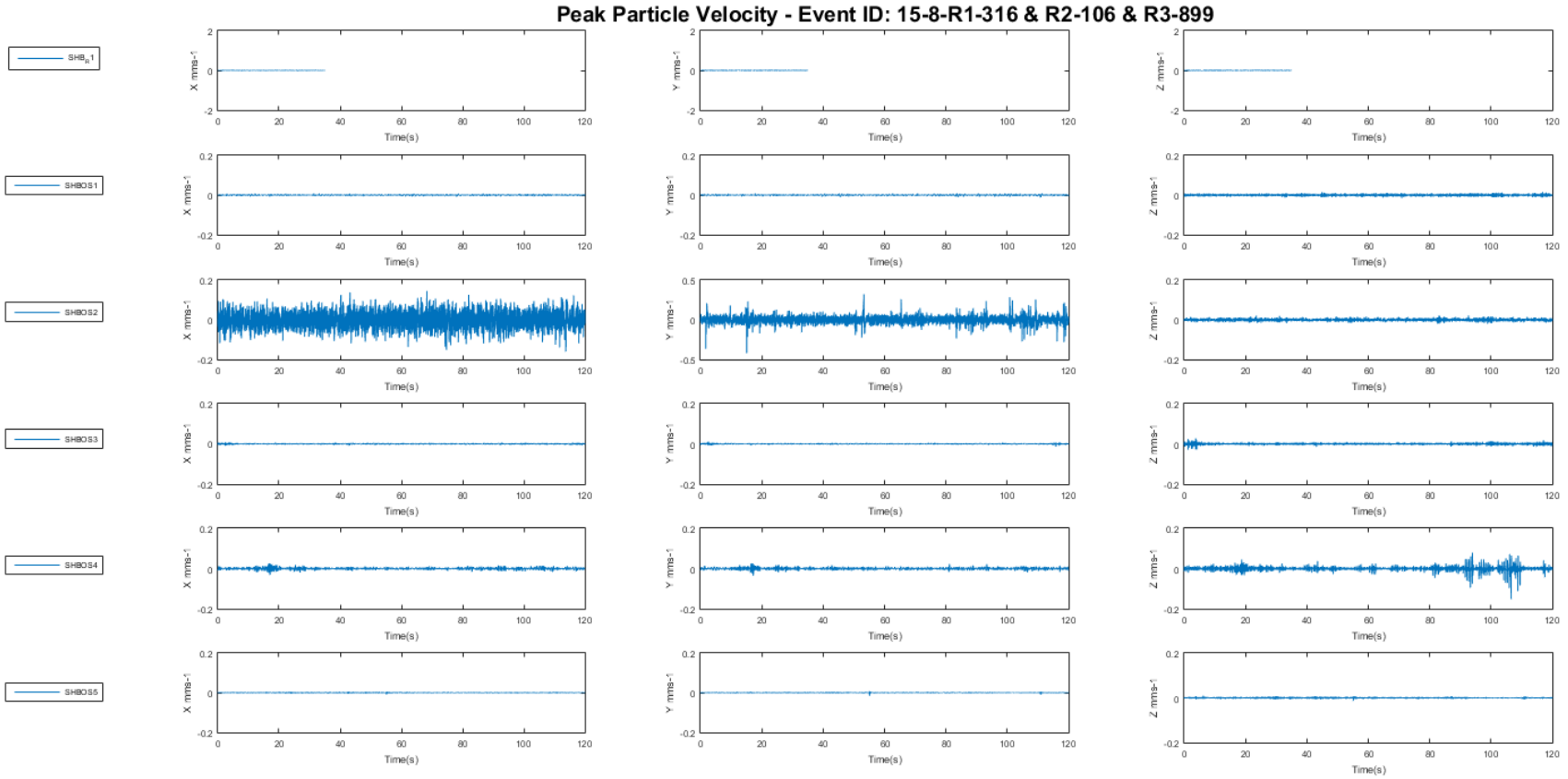


FIGURE 3.391: SHB_OS 1 - 5 15-8-R1-316 & R2-106 & R3-899

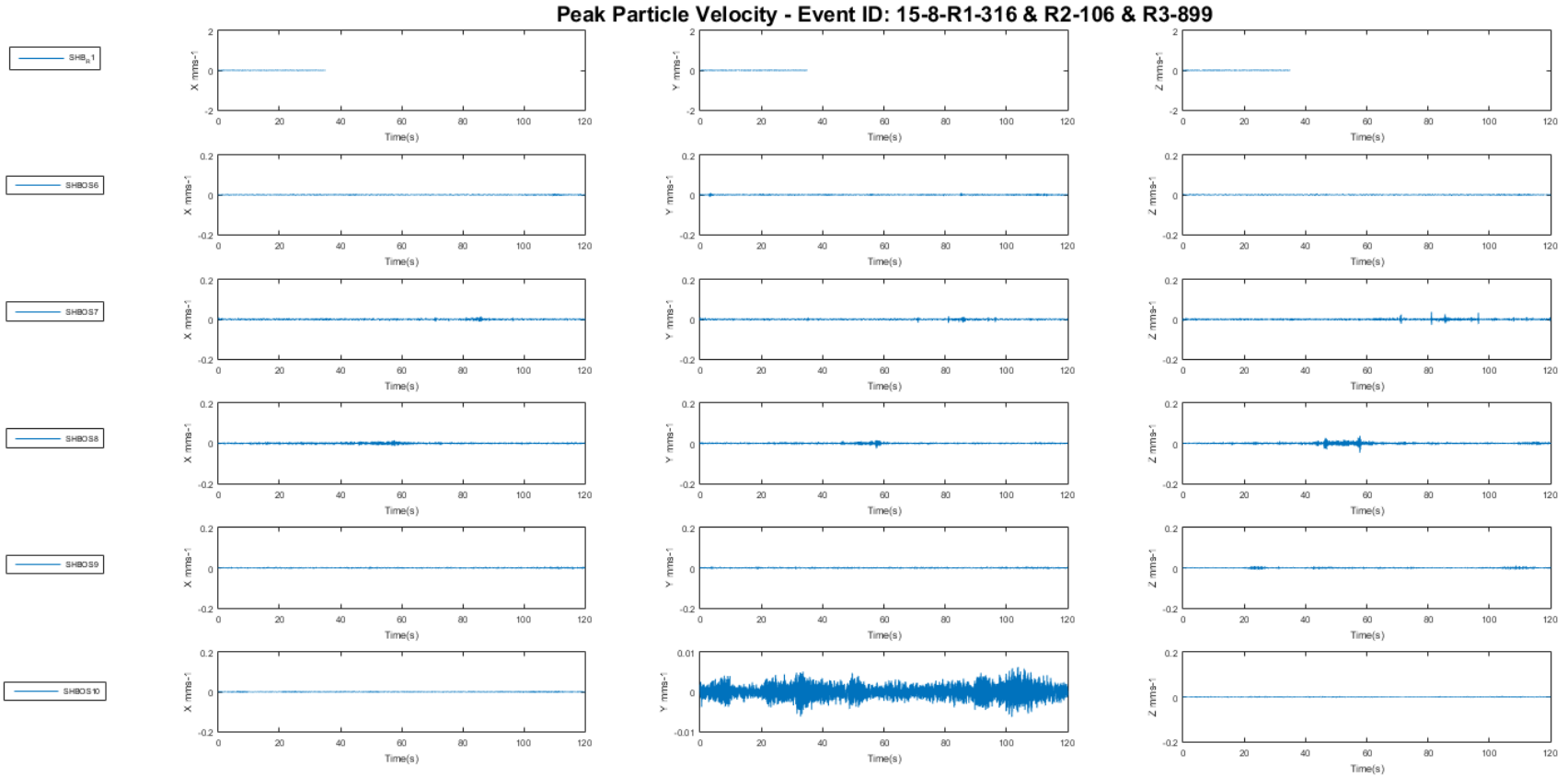


FIGURE 3.392: SHB_OS 6 - 10 15-8-R1-316 & R2-106 & R3-899

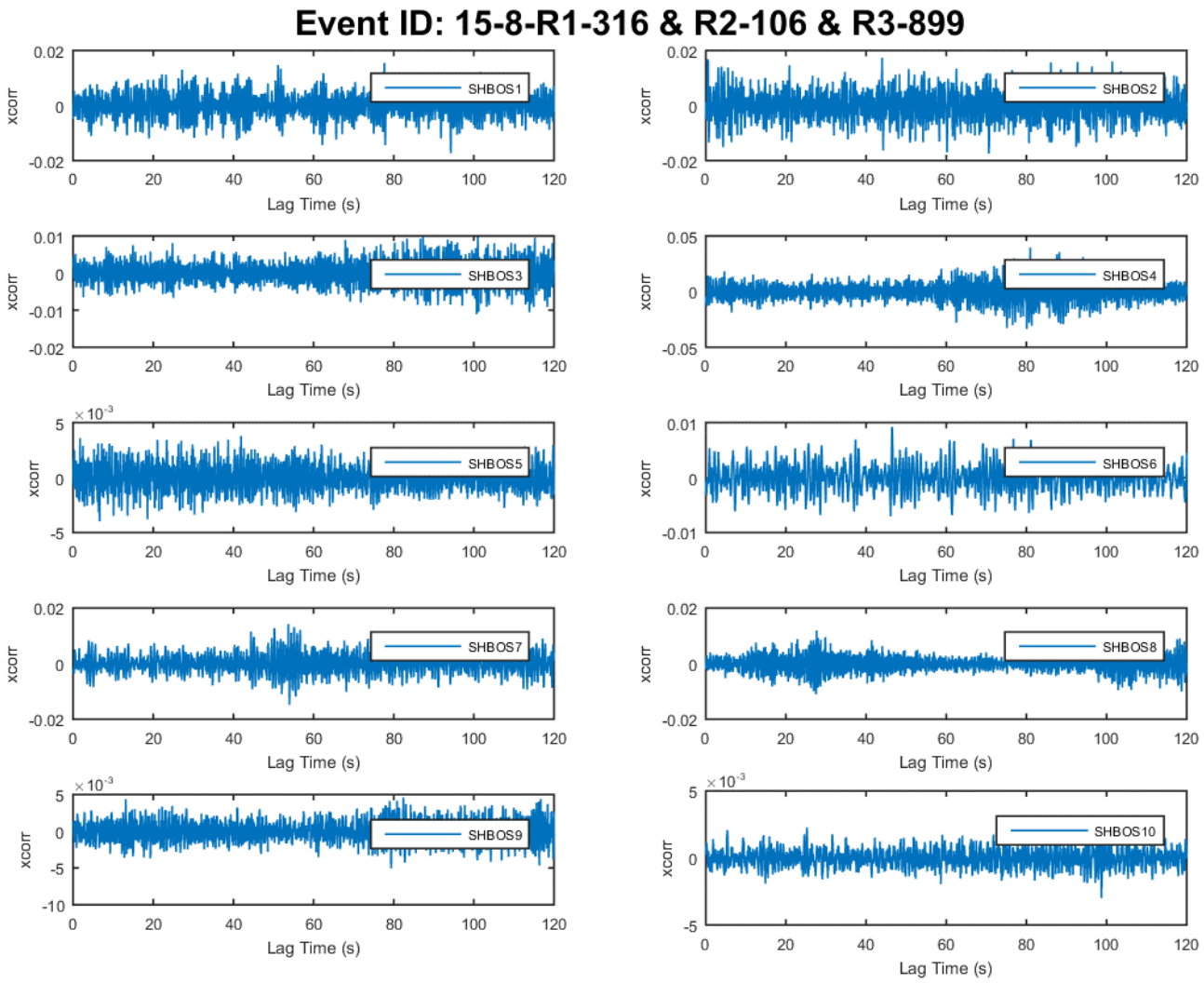


FIGURE 3.393: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-316 & R2-106 & R3-899

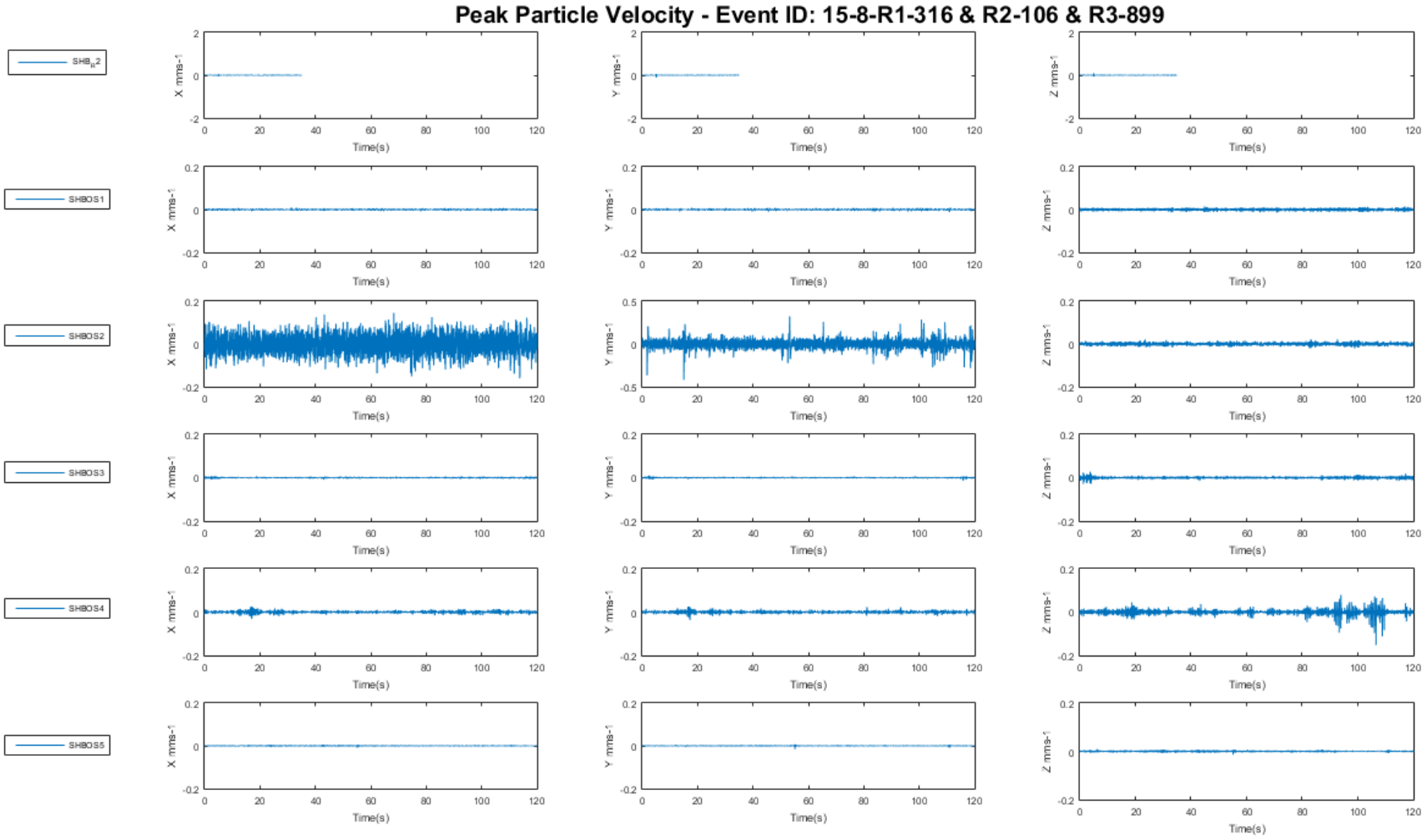


FIGURE 3.394: SHB_OS 1 - 5 15-8-R1-316 & R2-106 & R3-899

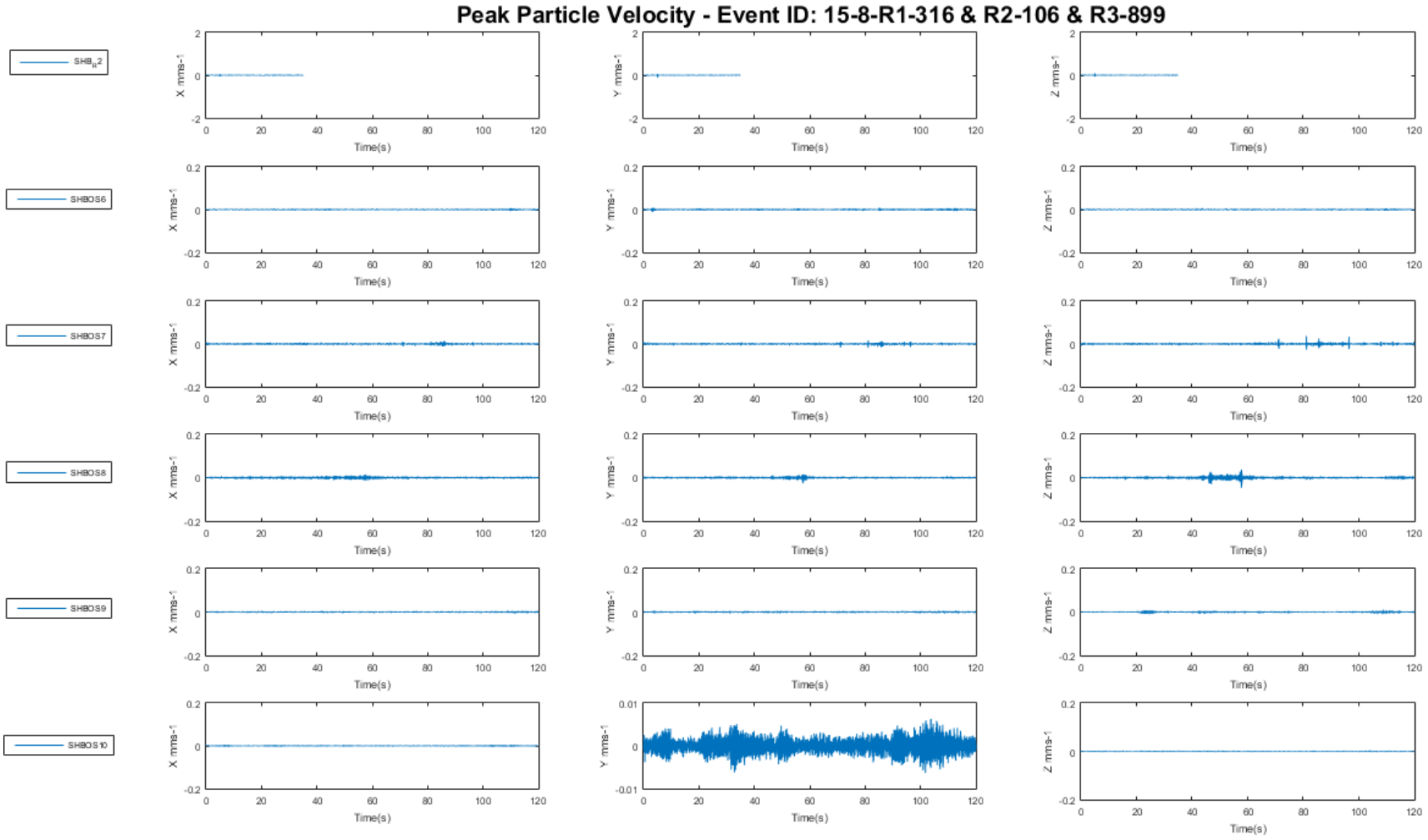


FIGURE 3.395: SHB_OS 6 - 10 15-8-R1-316 & R2-106 & R3-899

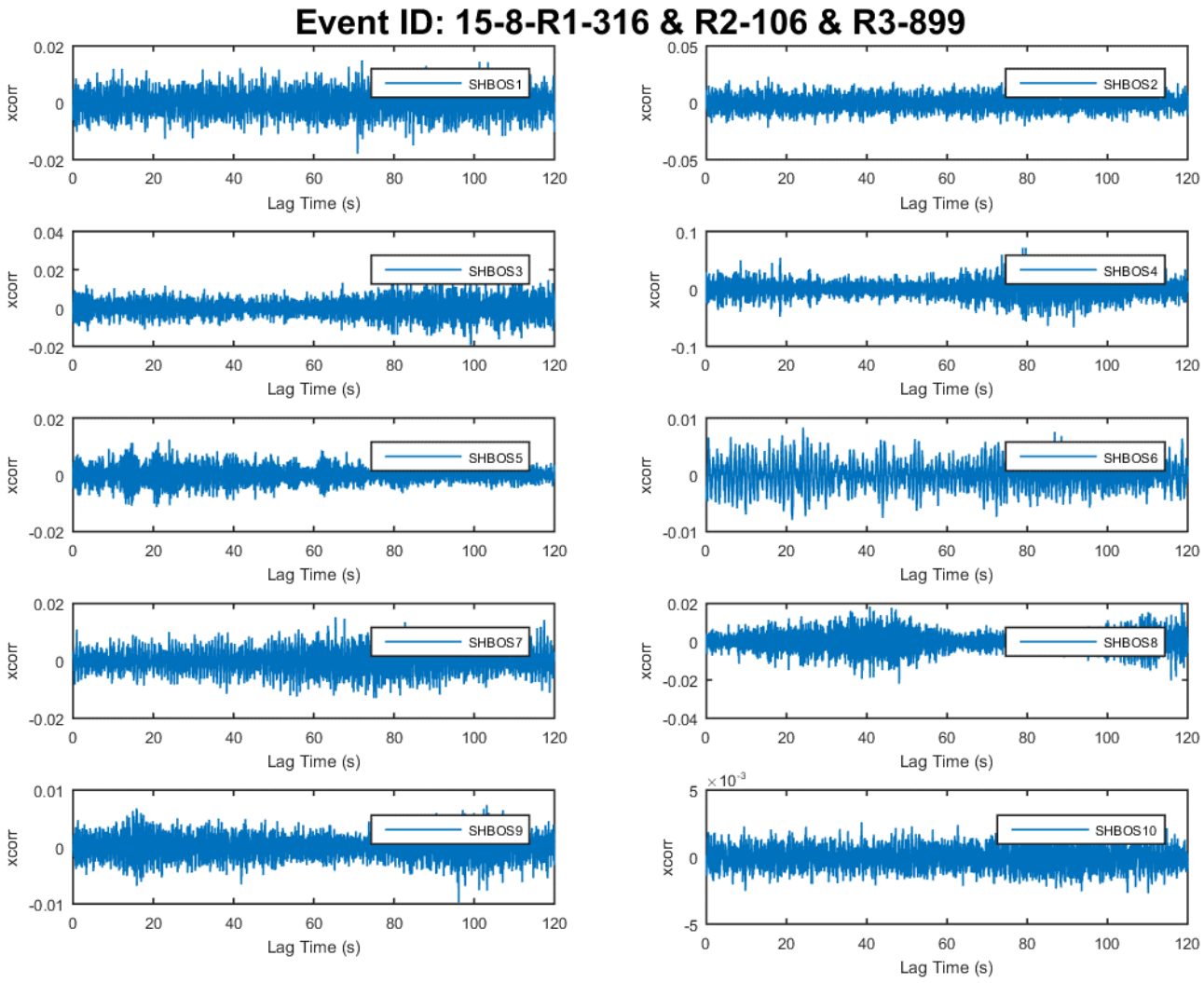


FIGURE 3.396: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-316 & R2-106 & R3-899

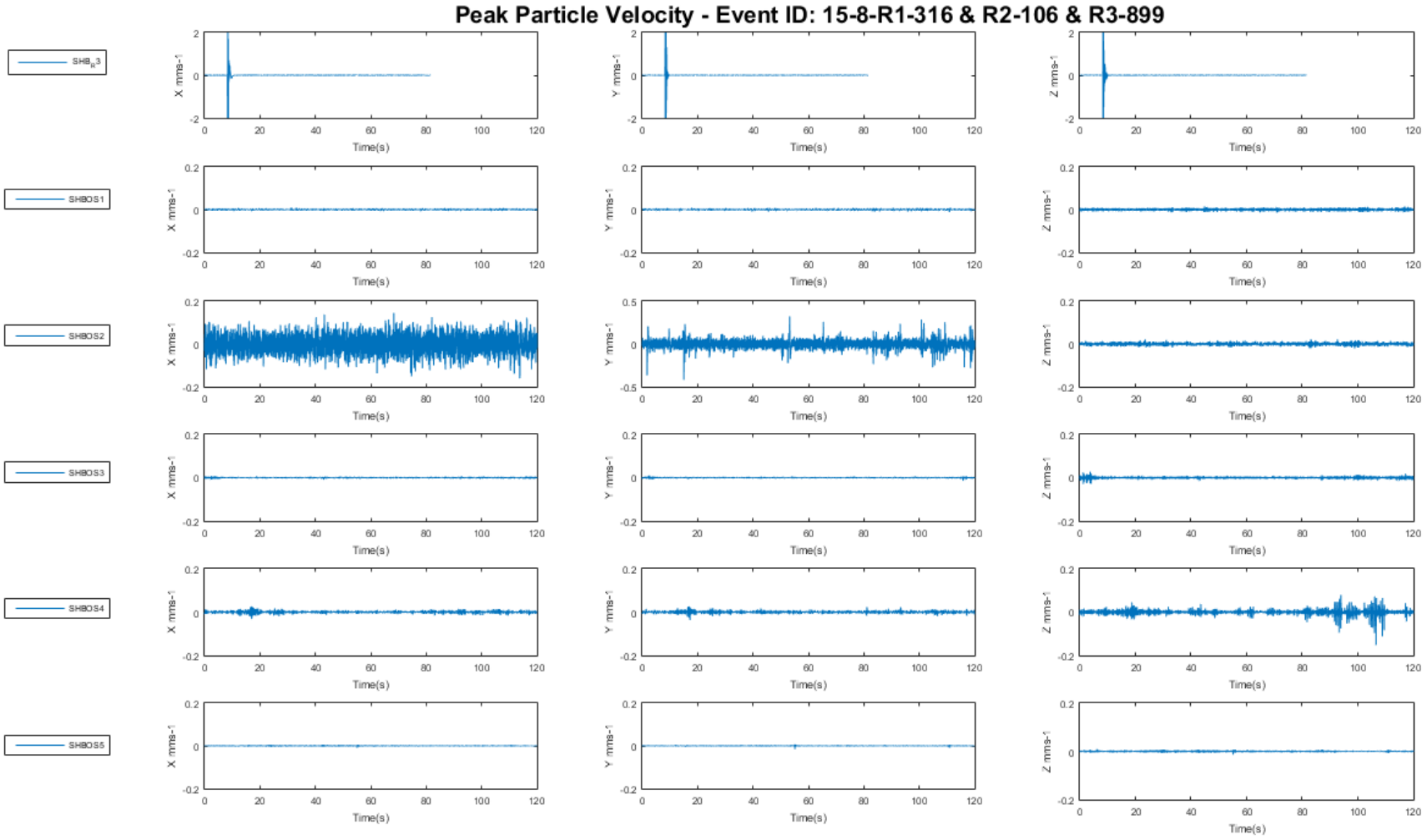


FIGURE 3.397: SHB_OS 1 - 5 15-8-R1-316 & R2-106 & R3-899

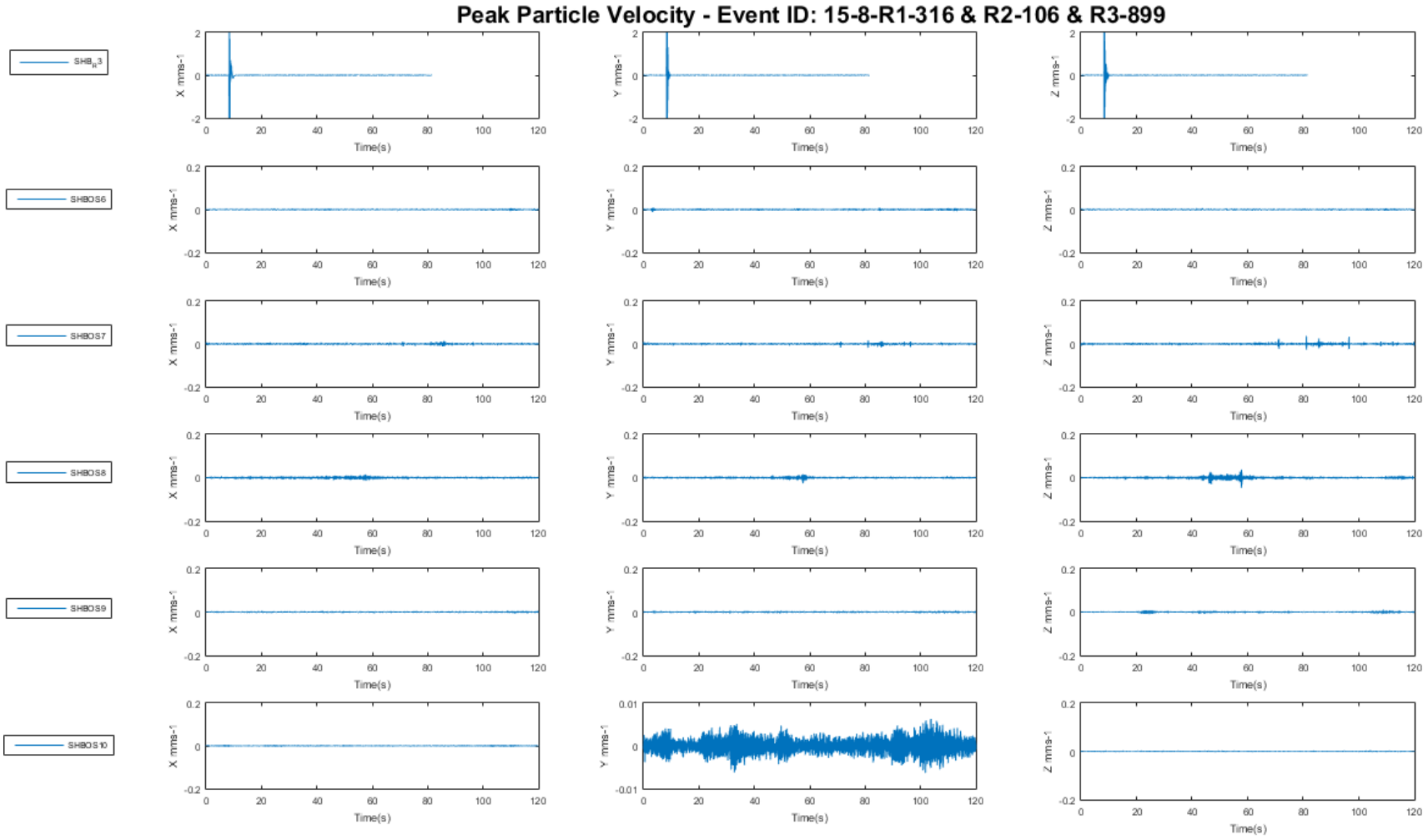


FIGURE 3.398: SHB_OS 6 - 10 15-8-R1-316 & R2-106 & R3-899

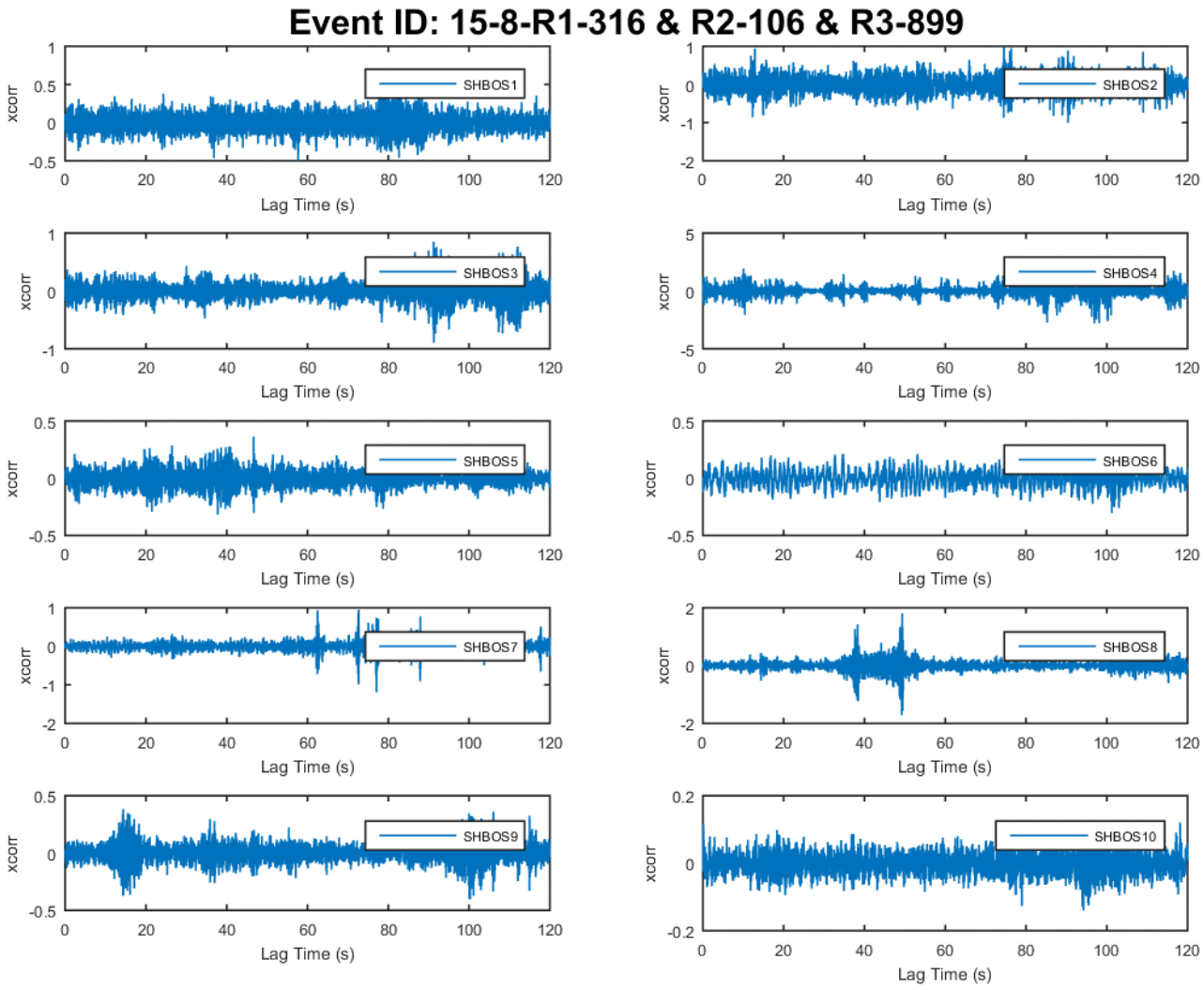


FIGURE 3.399: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-316 & R2-106 & R3-899

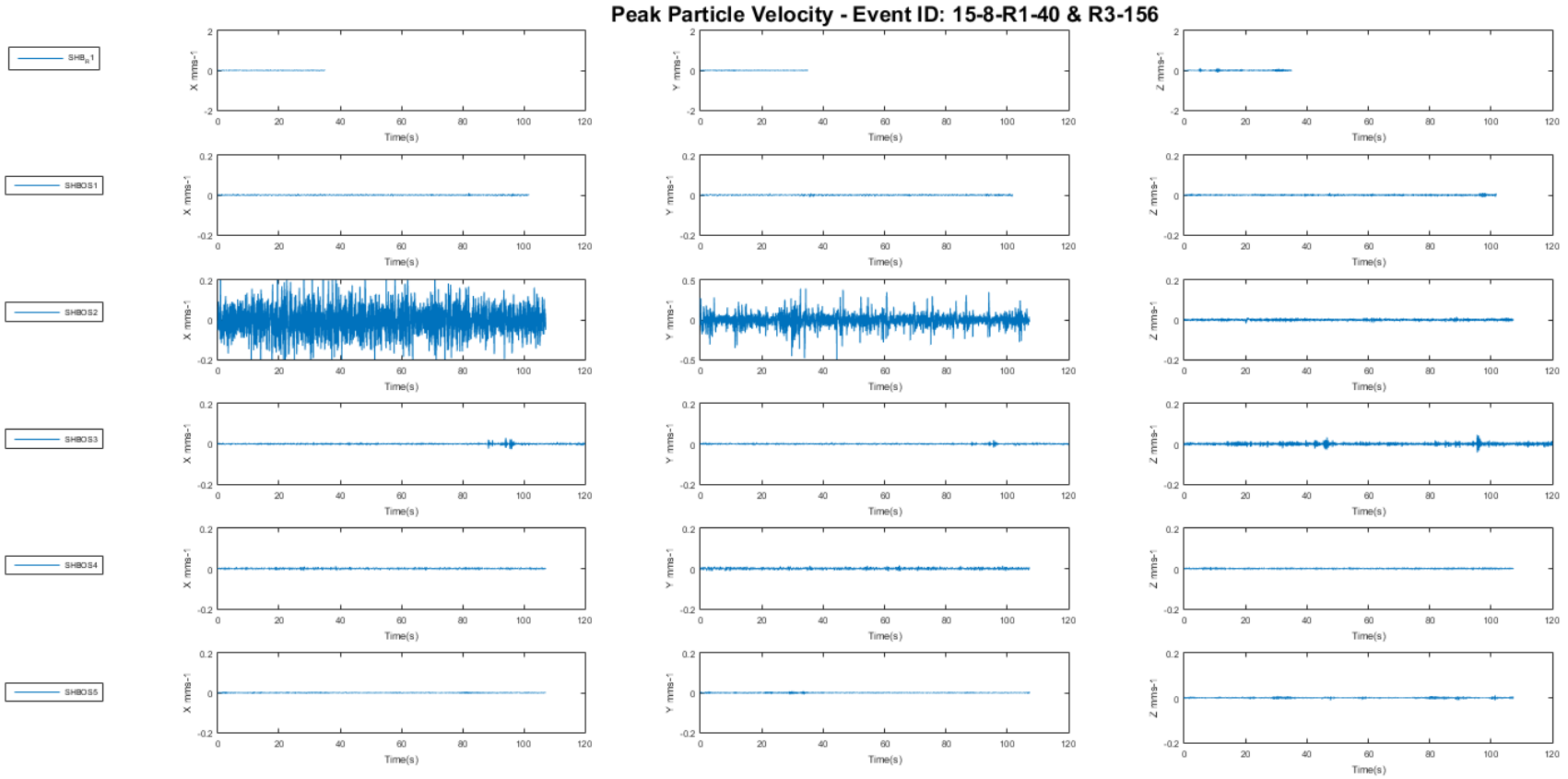


FIGURE 3.400: SHB_OS 1 - 5 15-8-R1-40 & R3-156

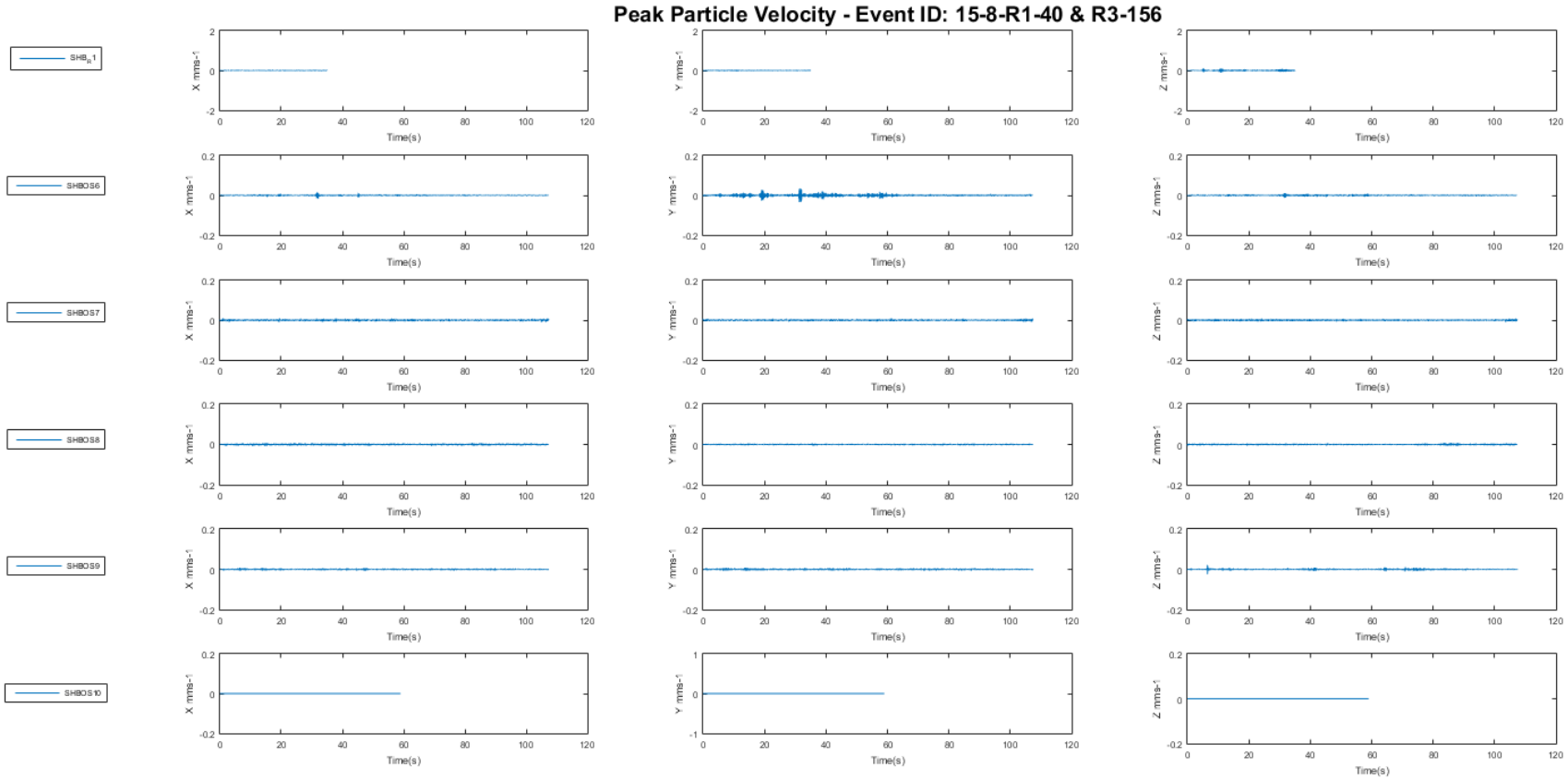


FIGURE 3.401: SHB_OS 6 - 10 15-8-R1-40 & R3-156

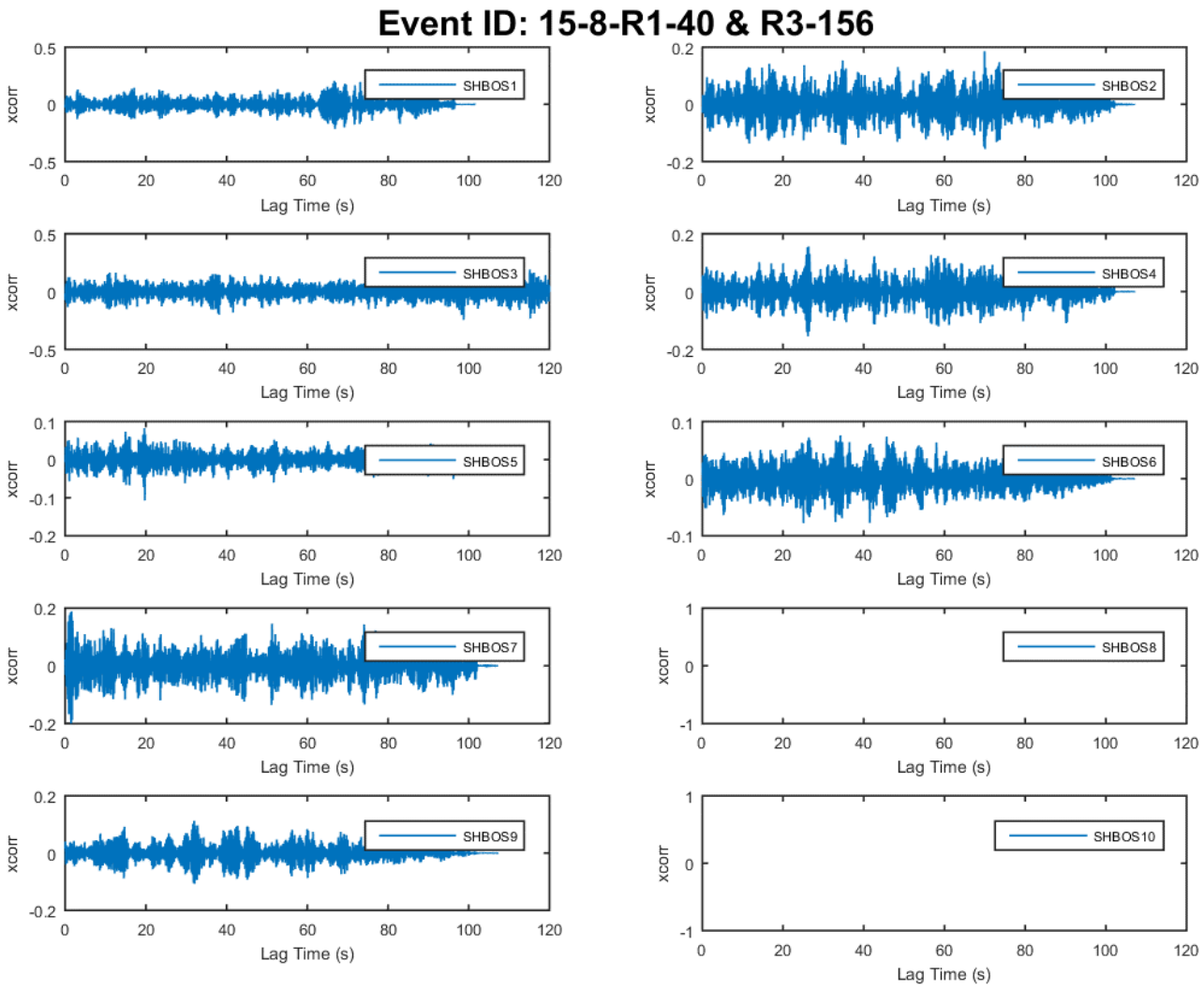


FIGURE 3.402: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-40 & R3-156

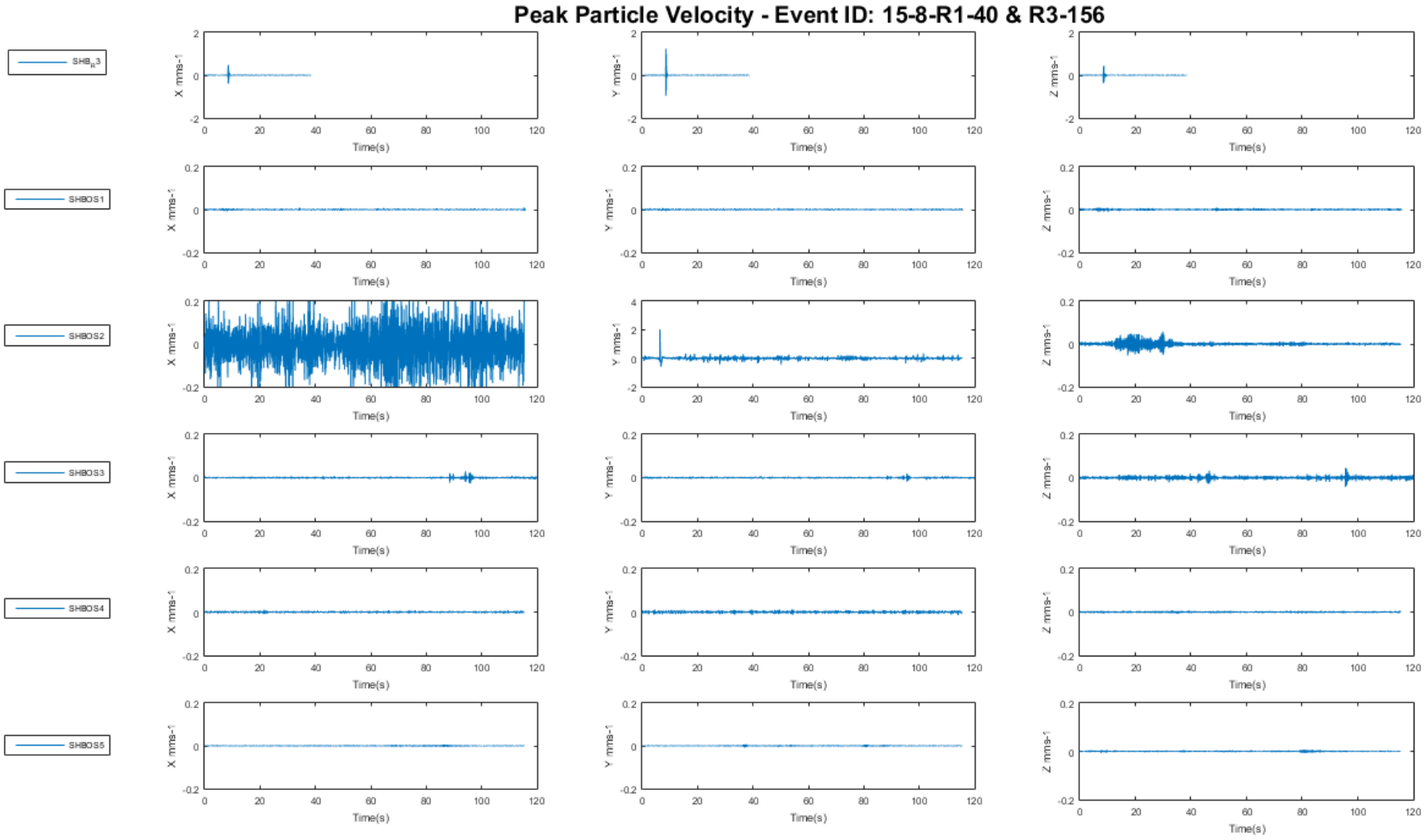


FIGURE 3.403: SHB_OS 1 - 5 15-8-R1-40 & R3-156

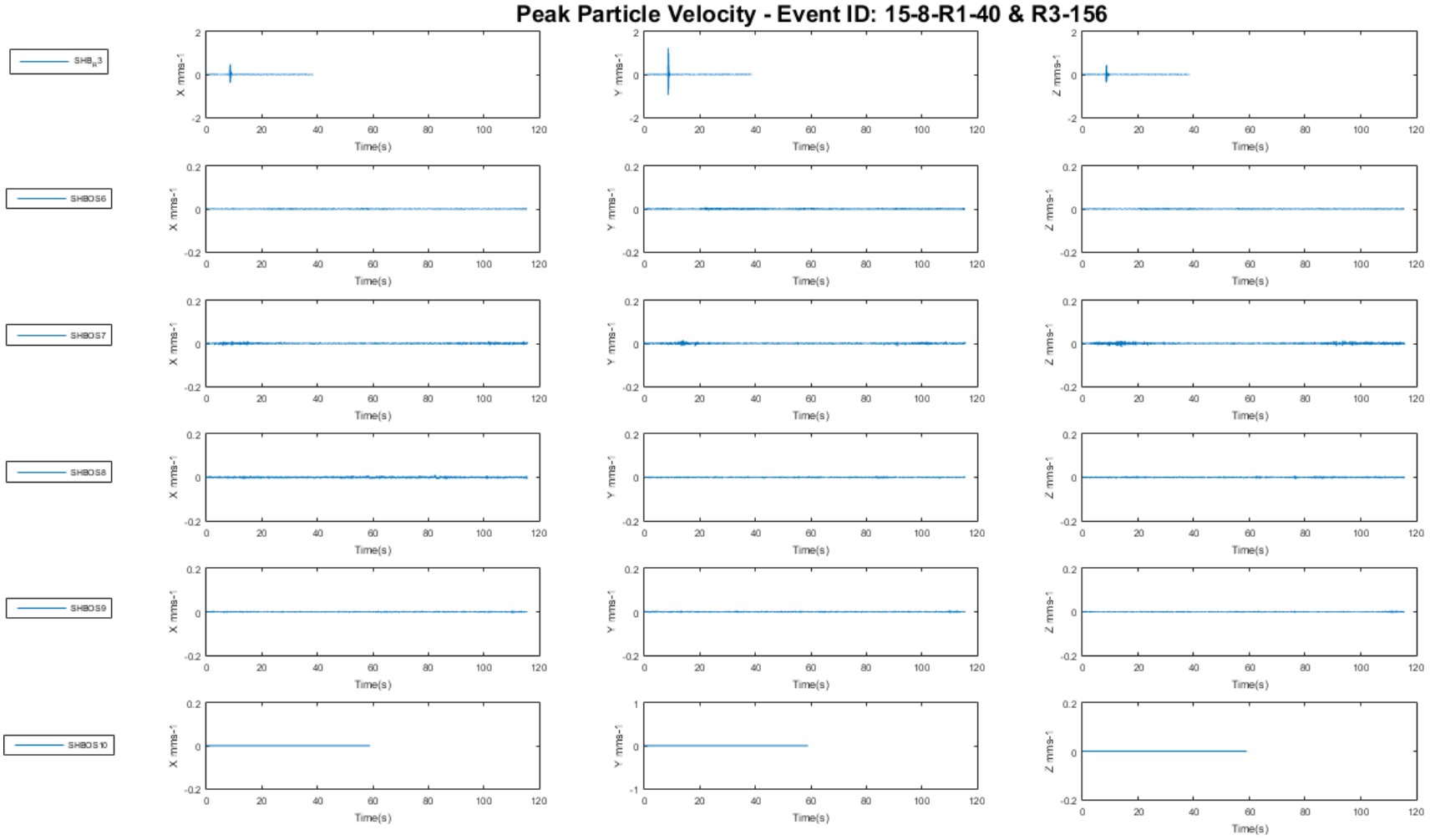


FIGURE 3.404: SHB_OS 6 - 10 15-8-R1-40 & R3-156

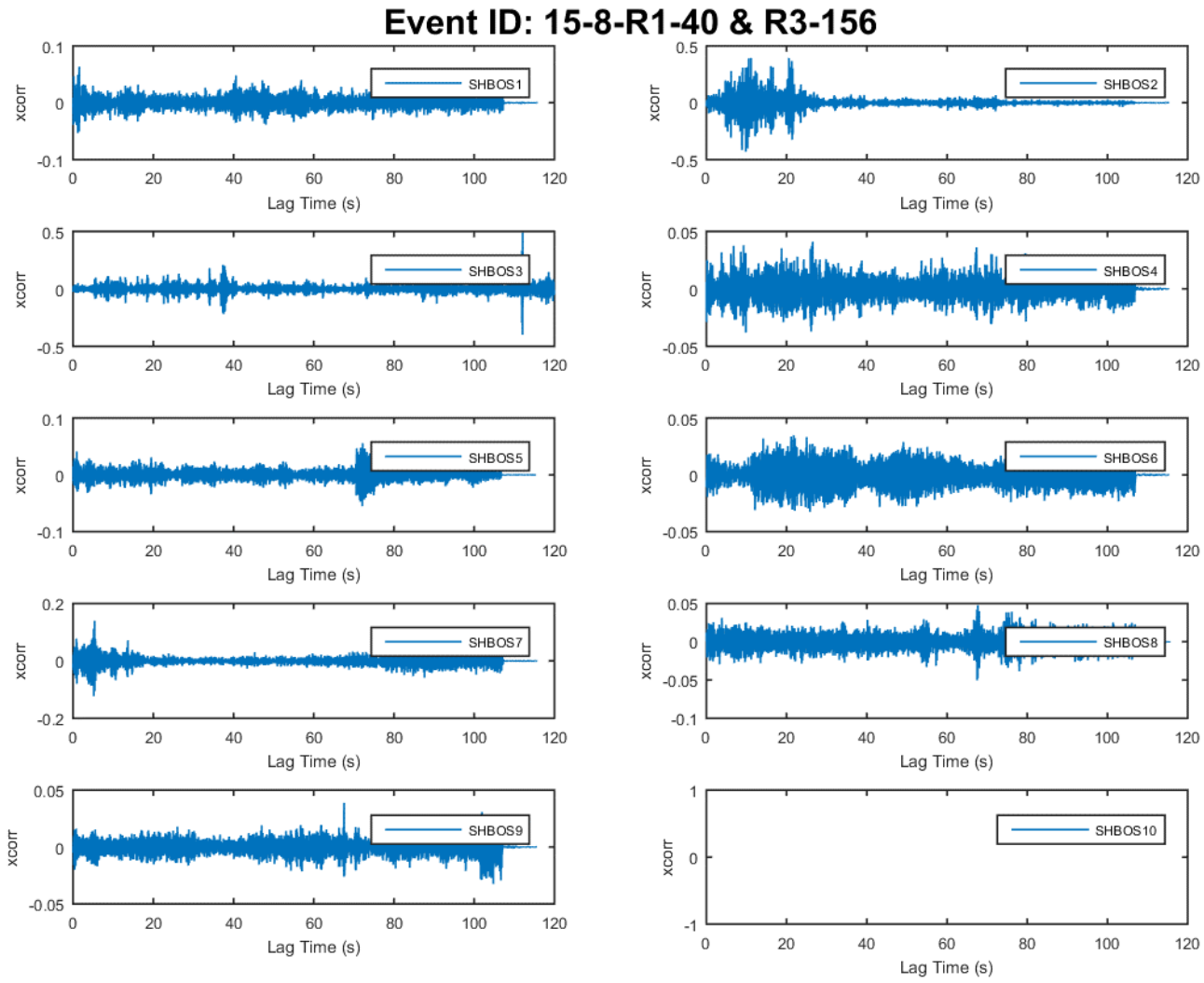


FIGURE 3.405: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-40 & R3-156

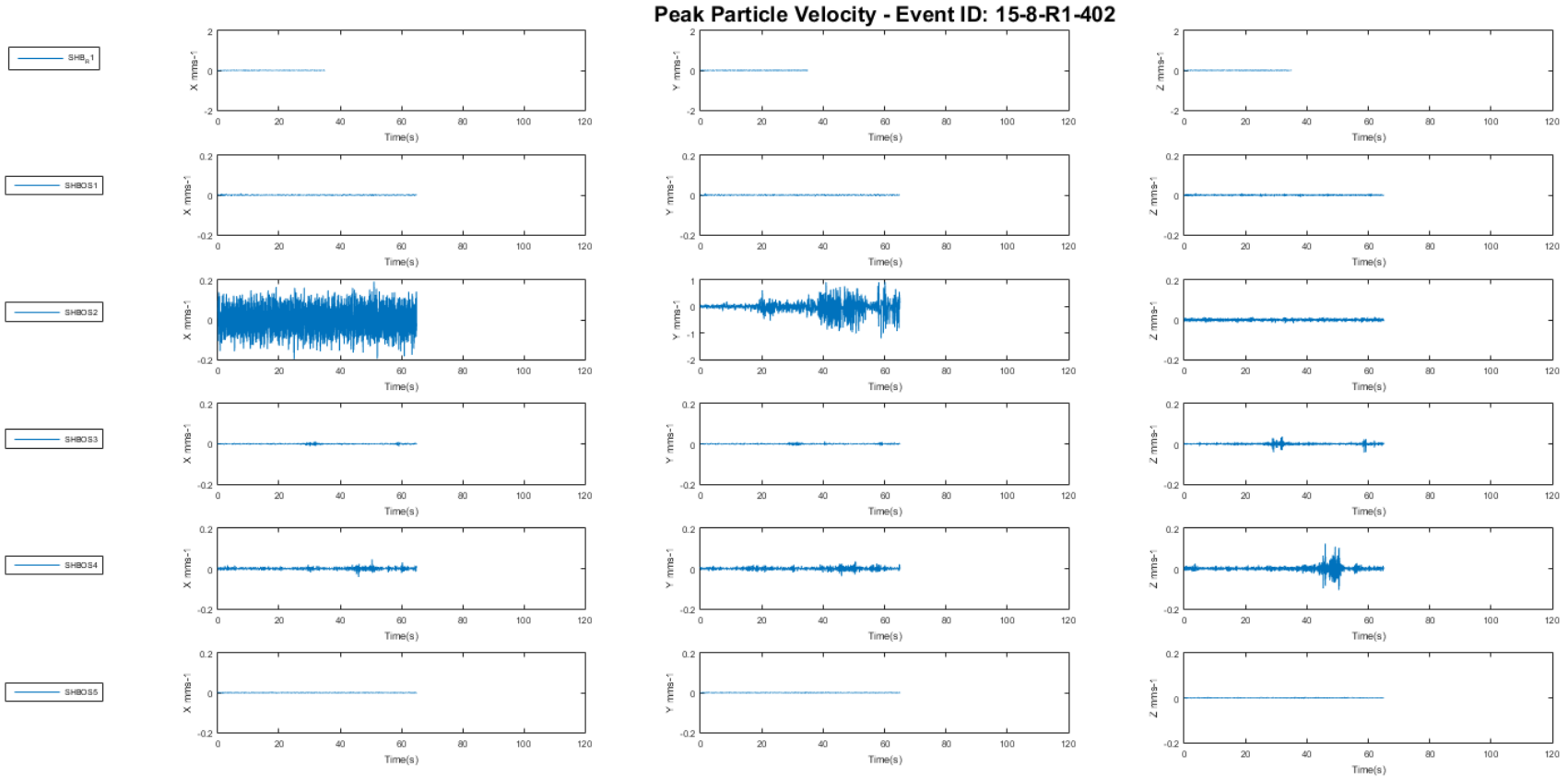


FIGURE 3.406: SHB_OS 1 - 5 15-8-R1-402

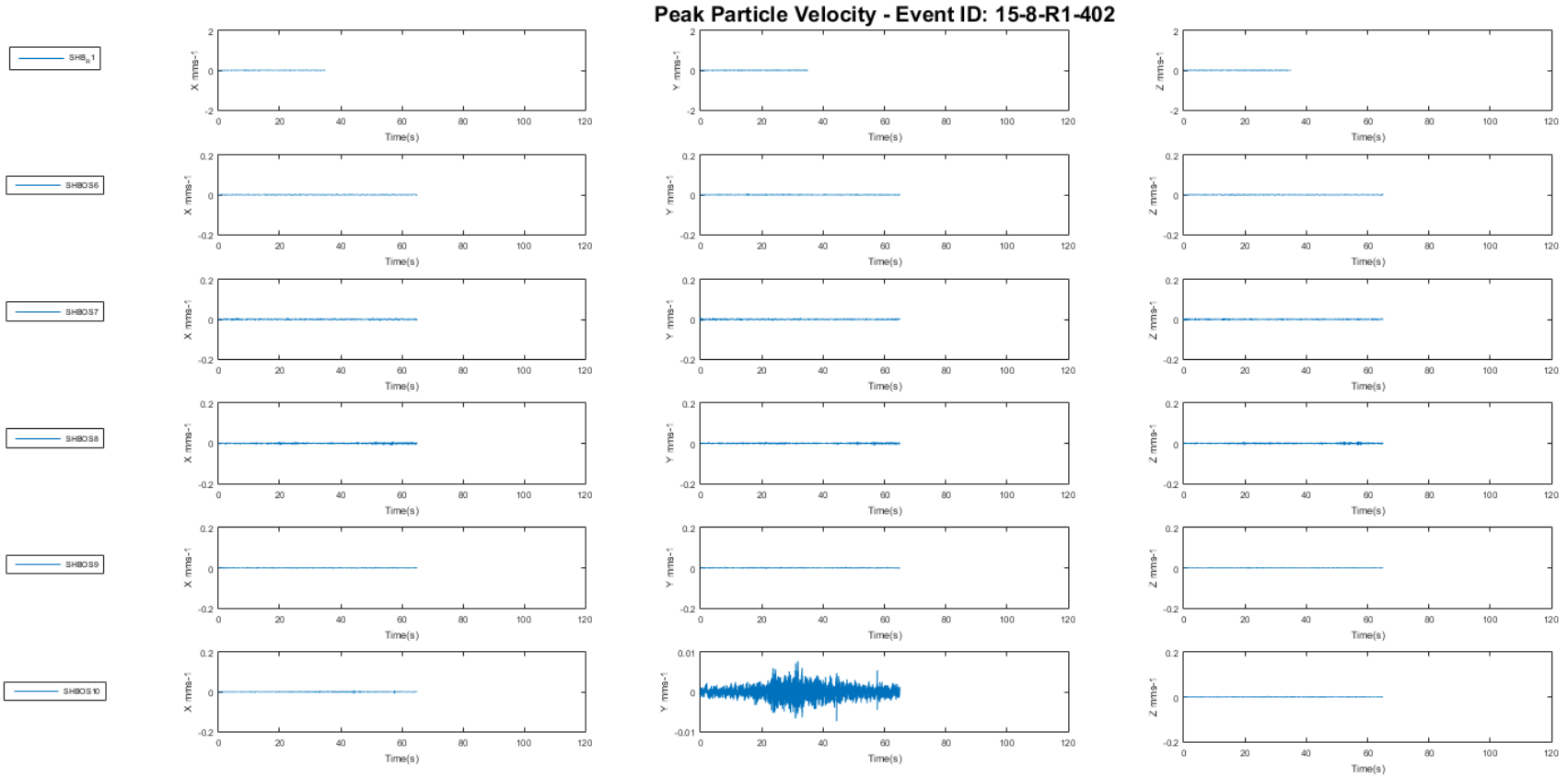


FIGURE 3.407: SHB_OS 6 - 10 15-8-R1-402

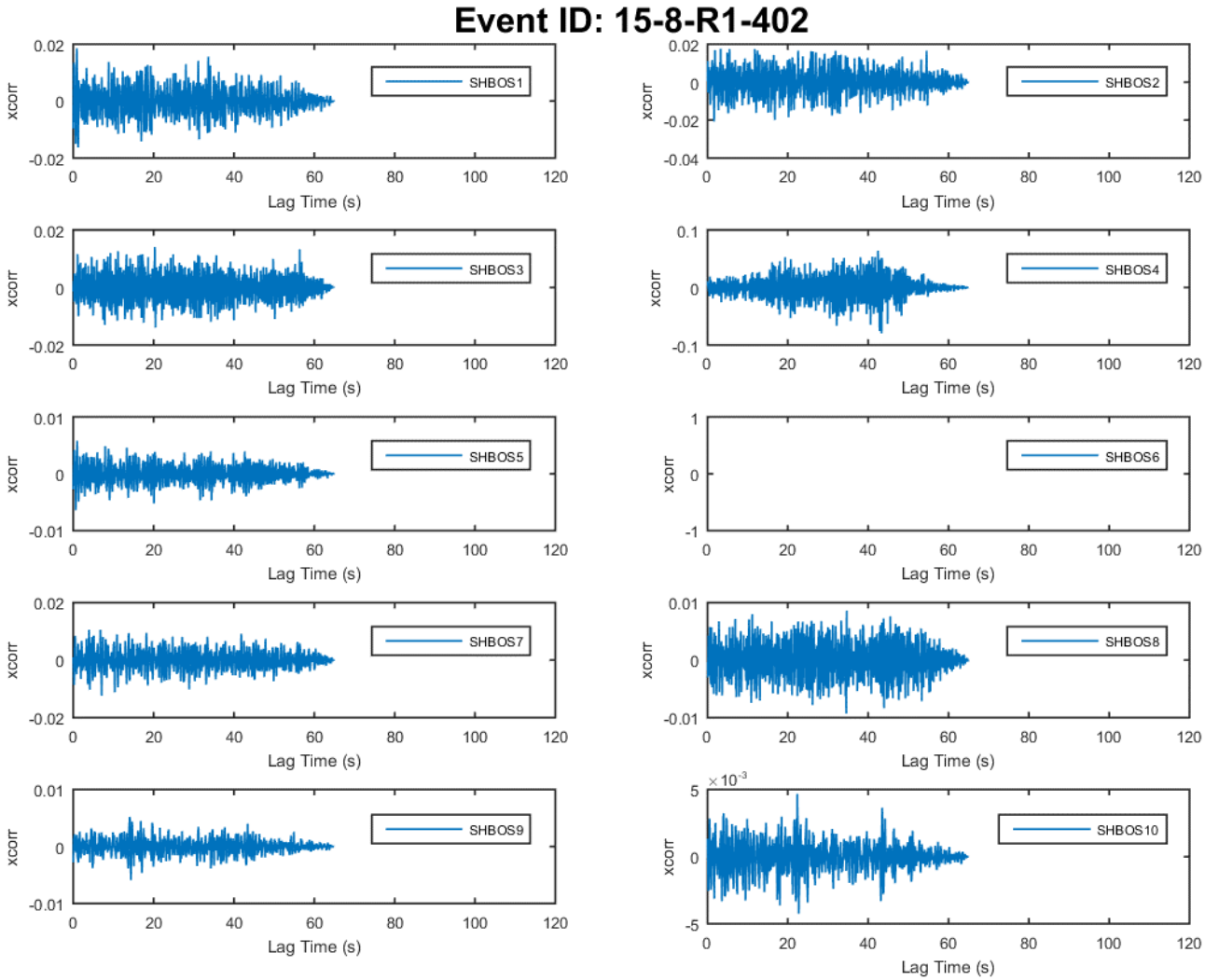


FIGURE 3.408: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-402

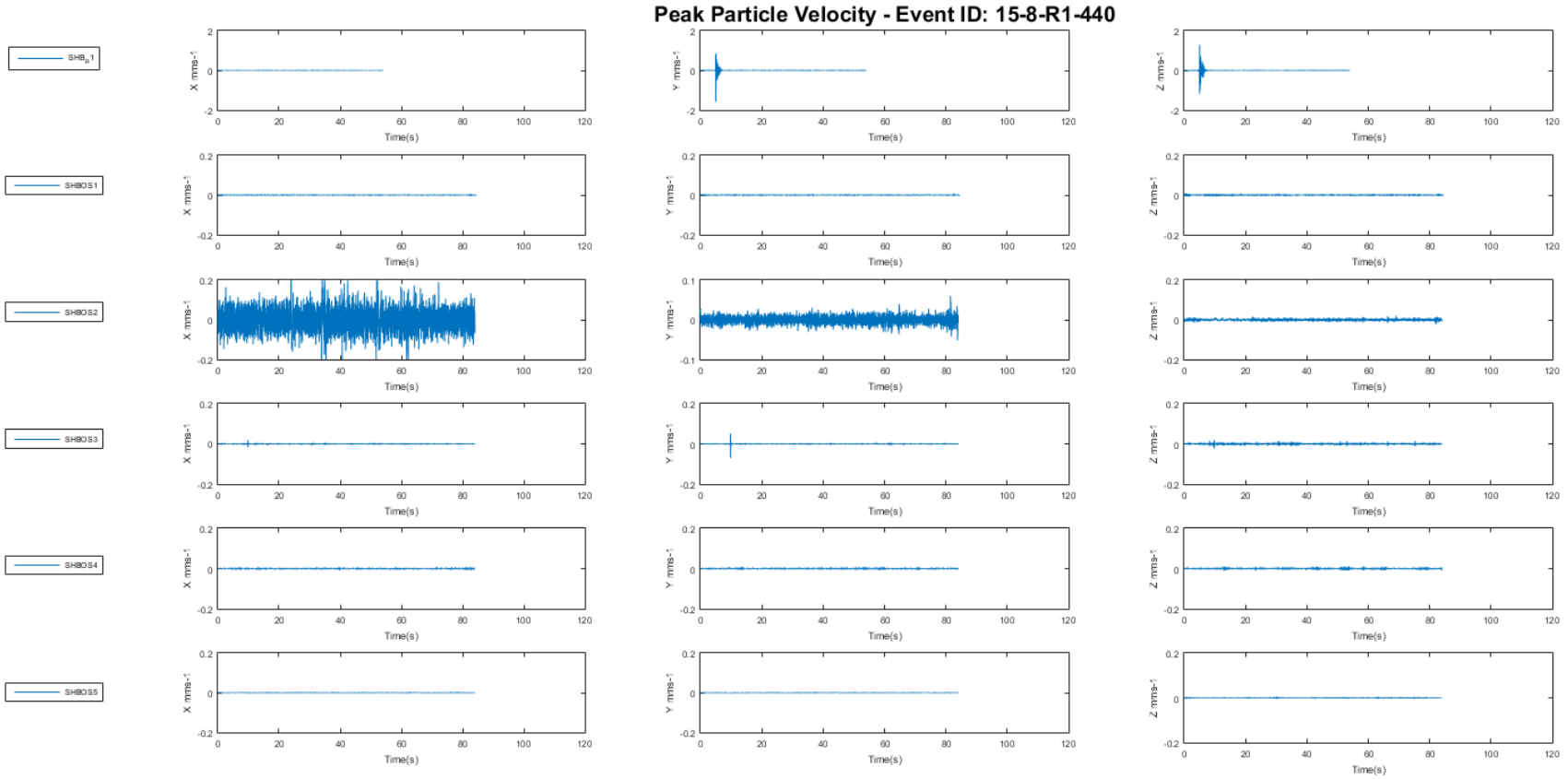


FIGURE 3.409: SHB_OS 1 - 5 15-8-R1-440

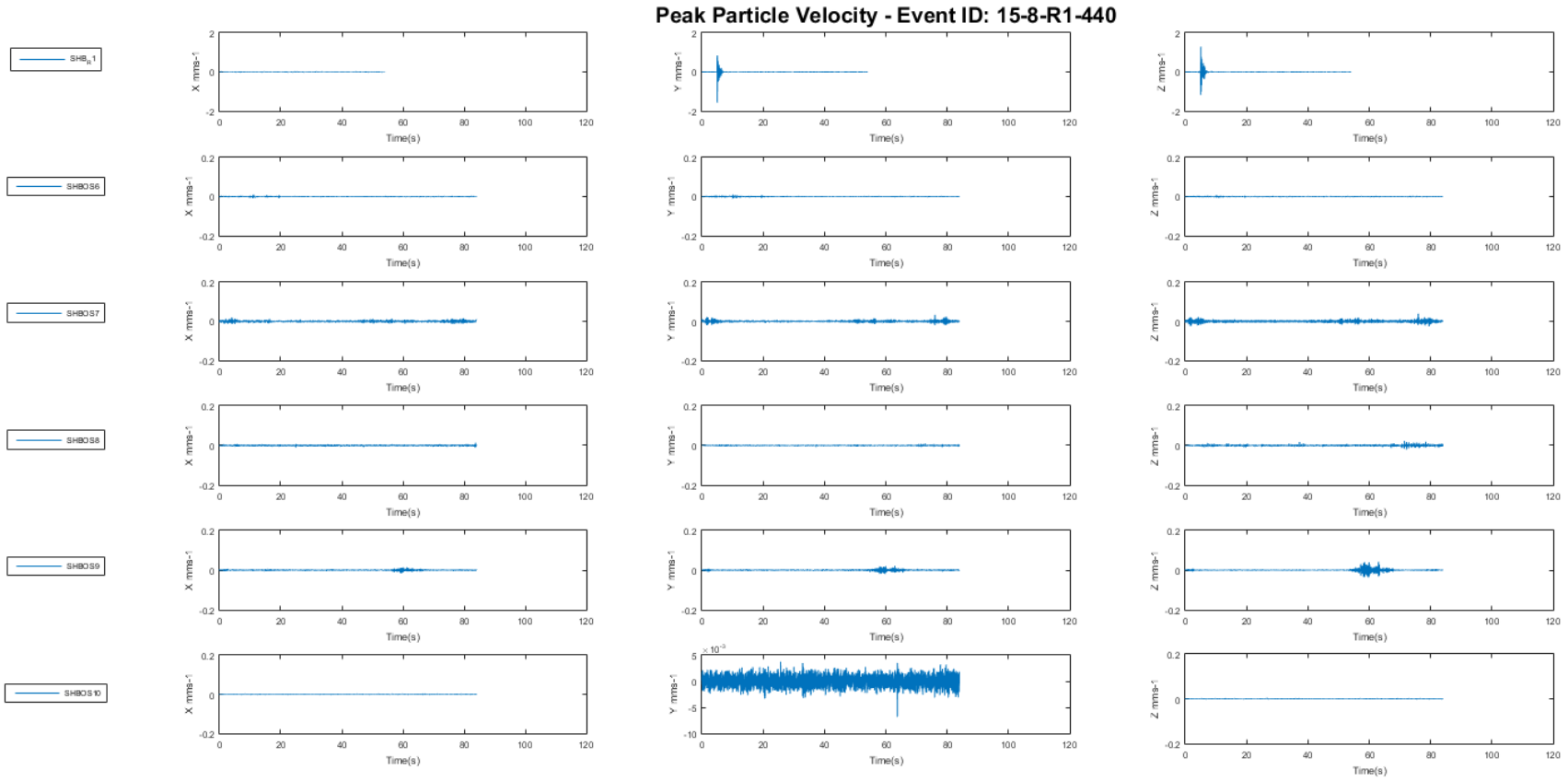


FIGURE 3.410: SHB_OS 6 - 10 15-8-R1-440

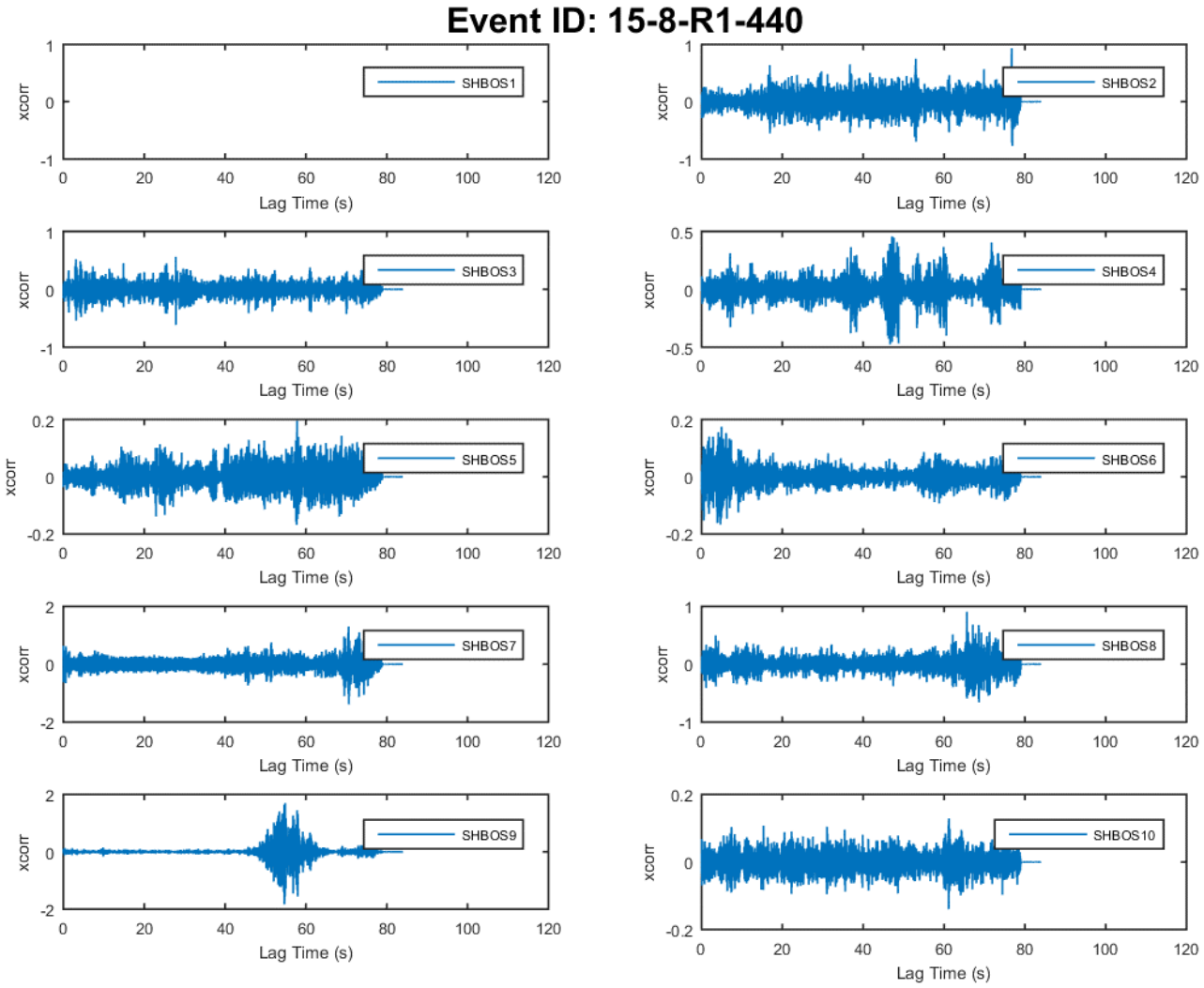


FIGURE 3.411: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-440

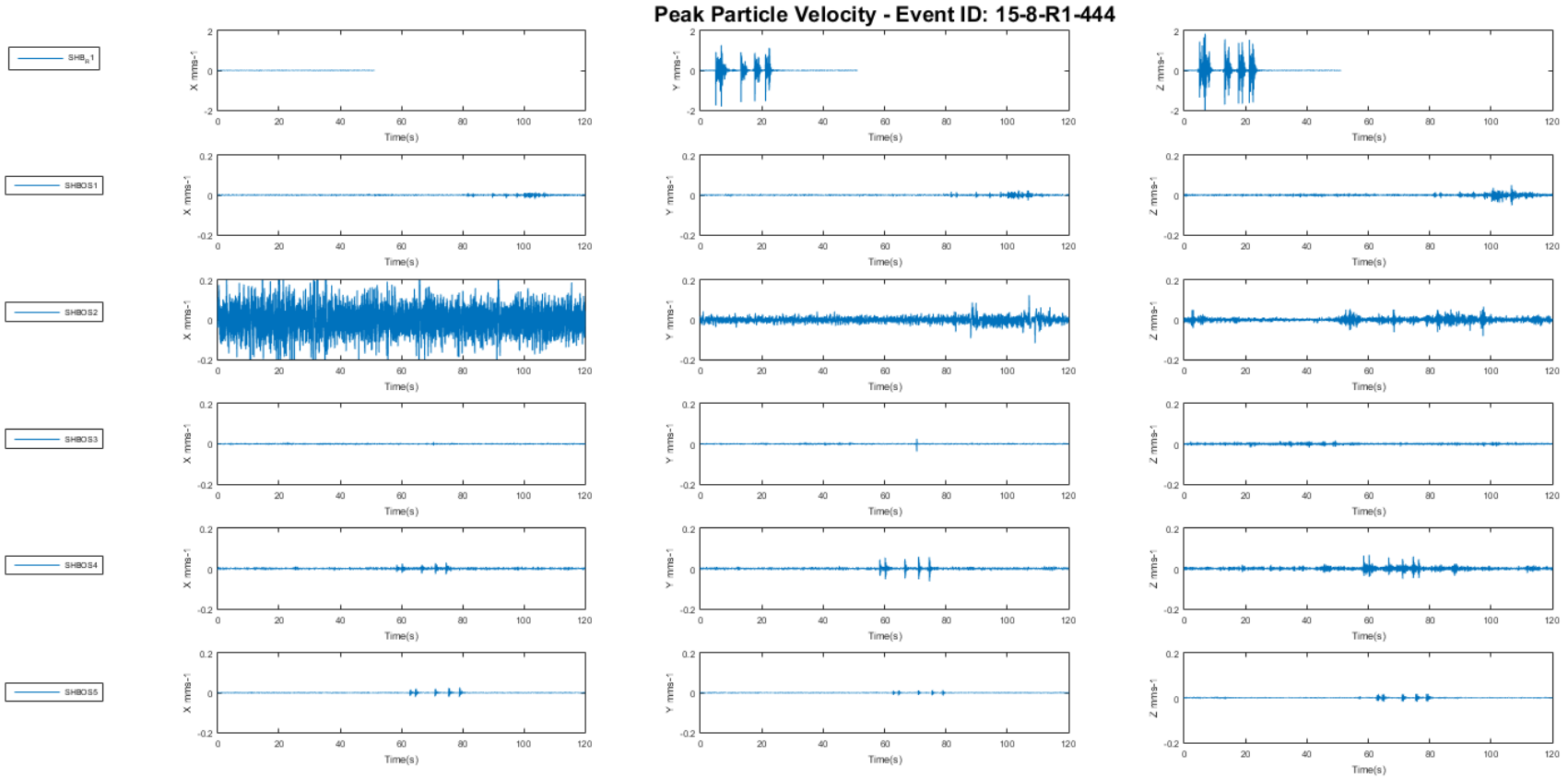


FIGURE 3.412: SHB_OS 1 - 5 15-8-R1-444

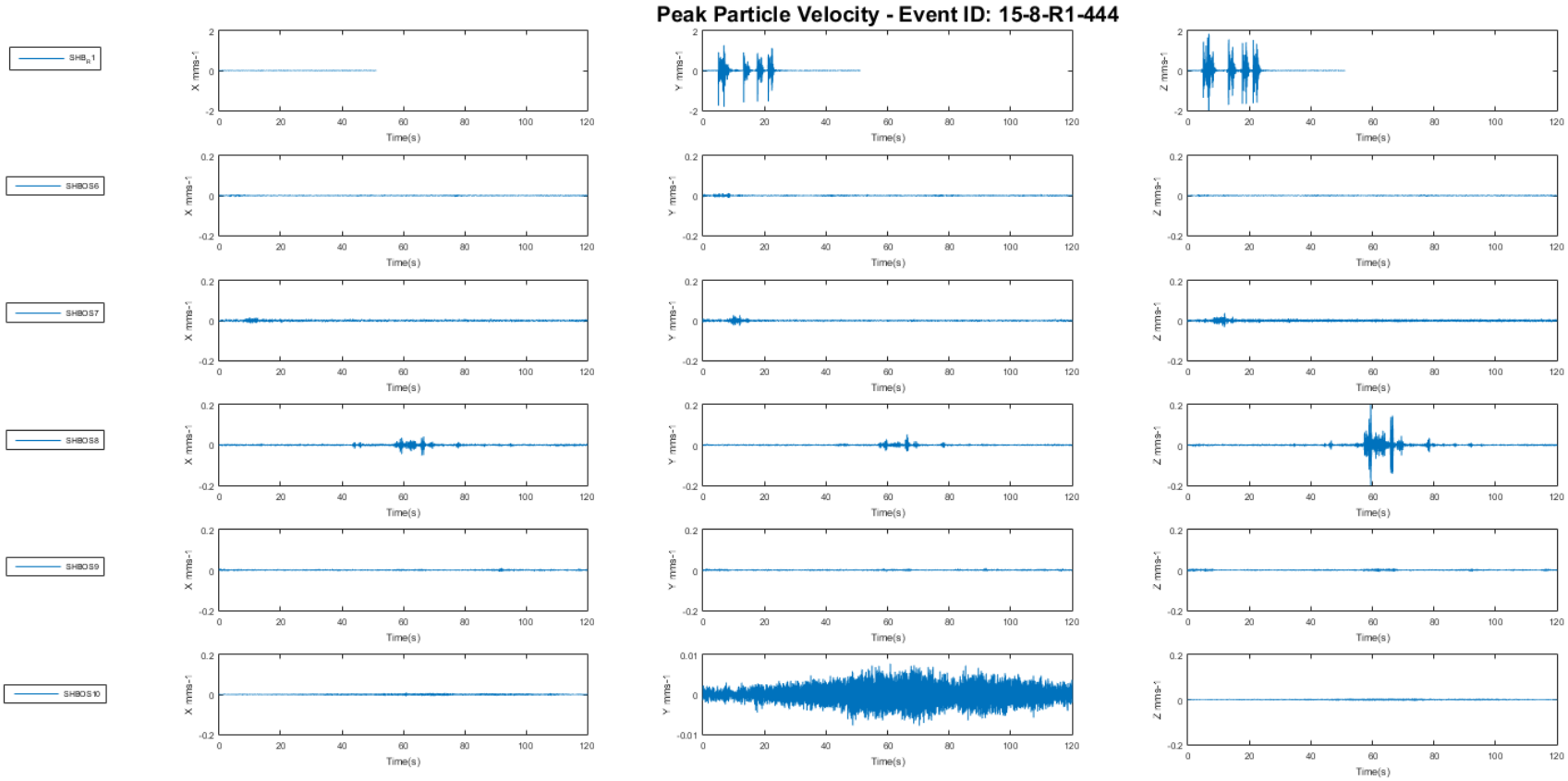


FIGURE 3.413: SHB_OS 6 - 10 15-8-R1-444

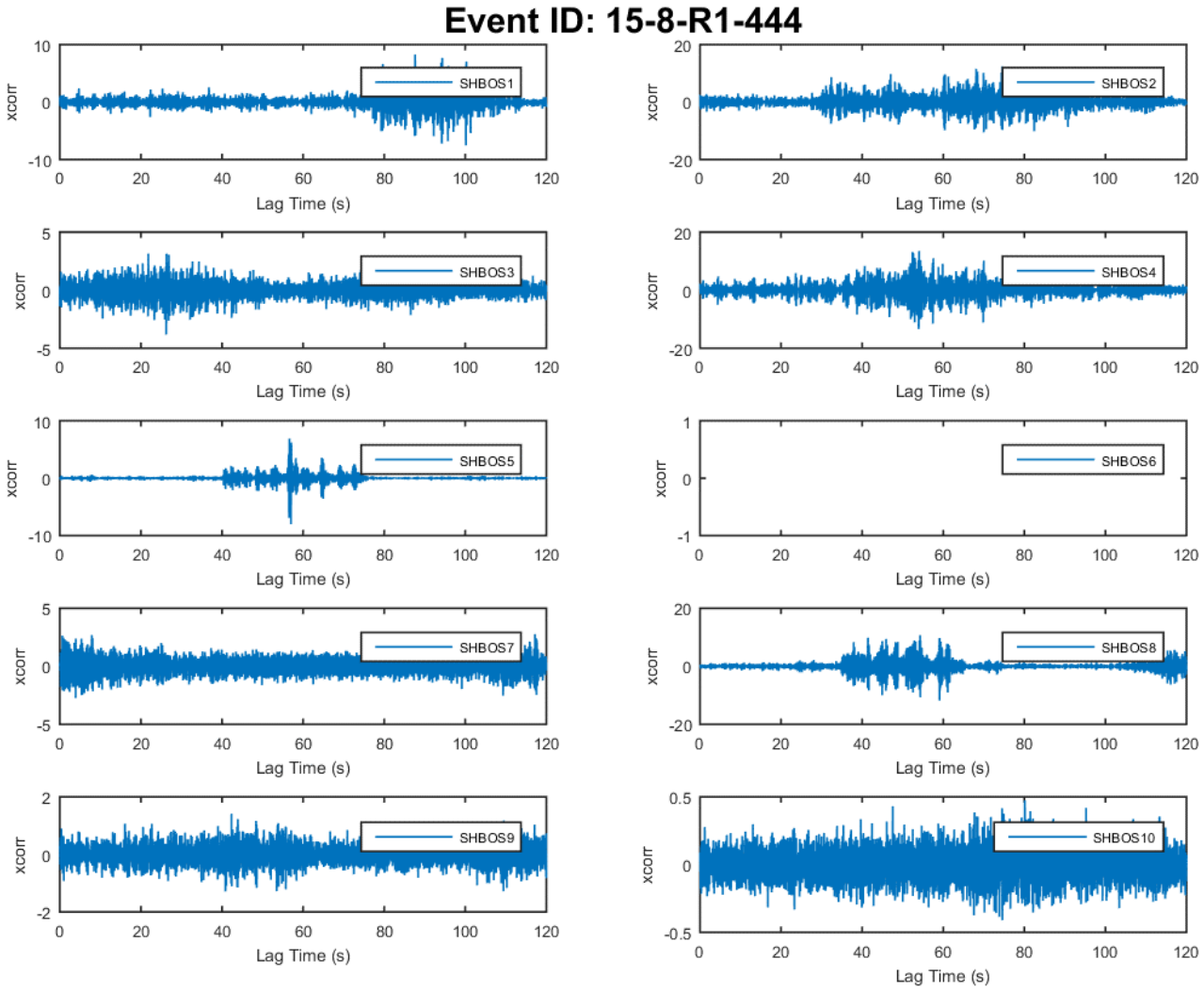


FIGURE 3.414: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-444

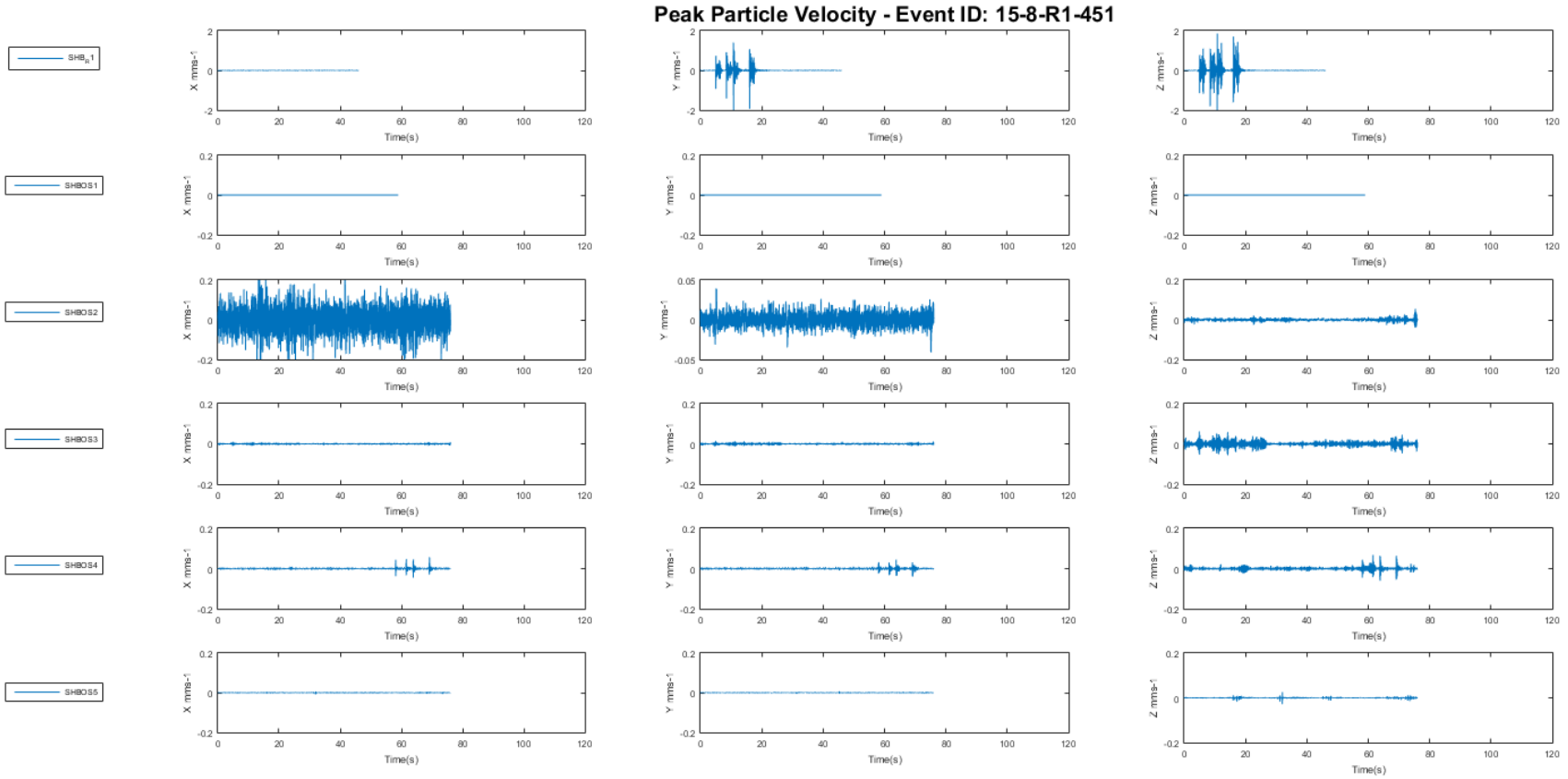
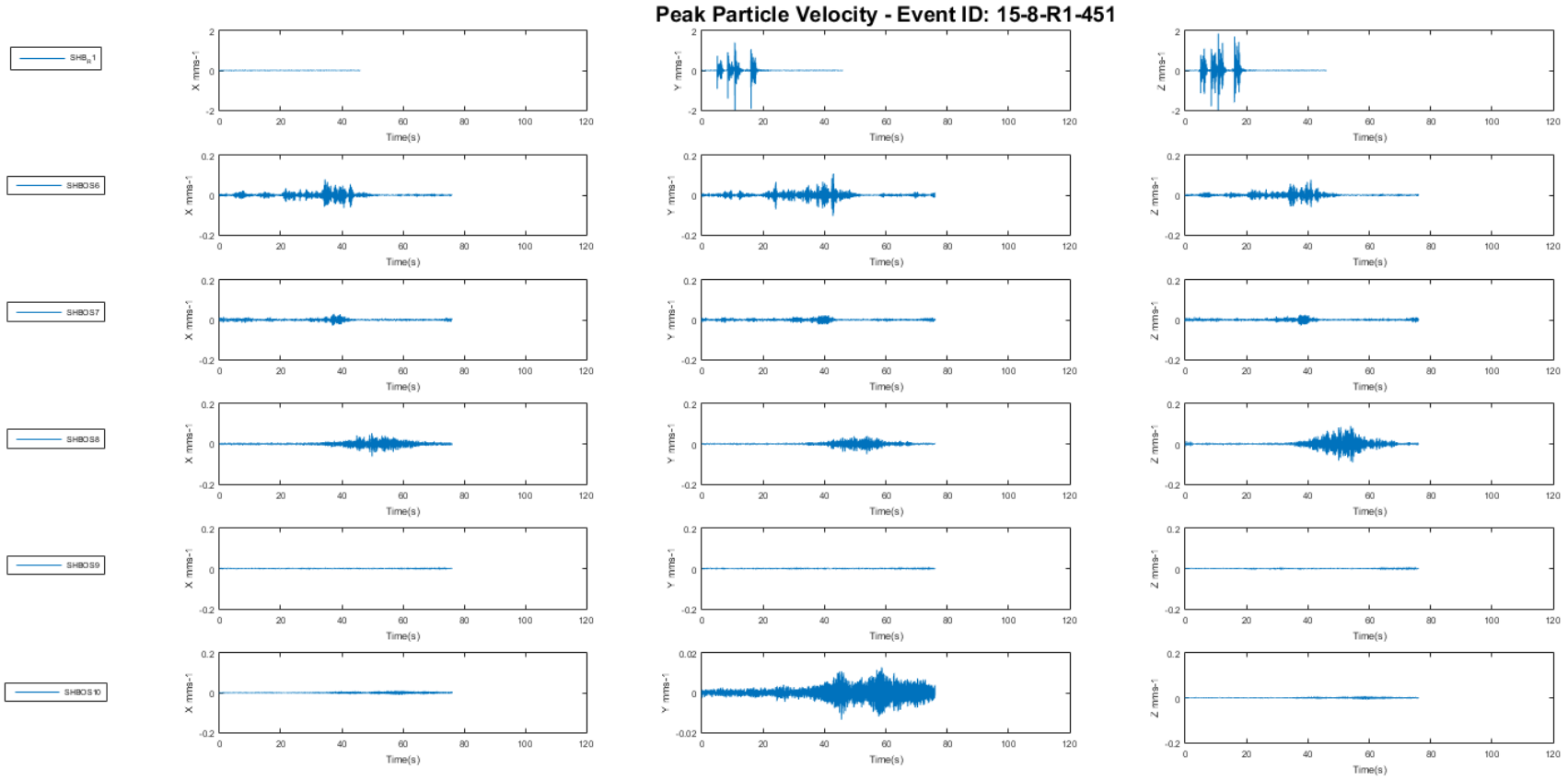


FIGURE 3.415: SHB_OS 1 - 5 15-8-R1-451

FIGURE 3.416: SHB_OS 6 - 10 15-8-R1-451



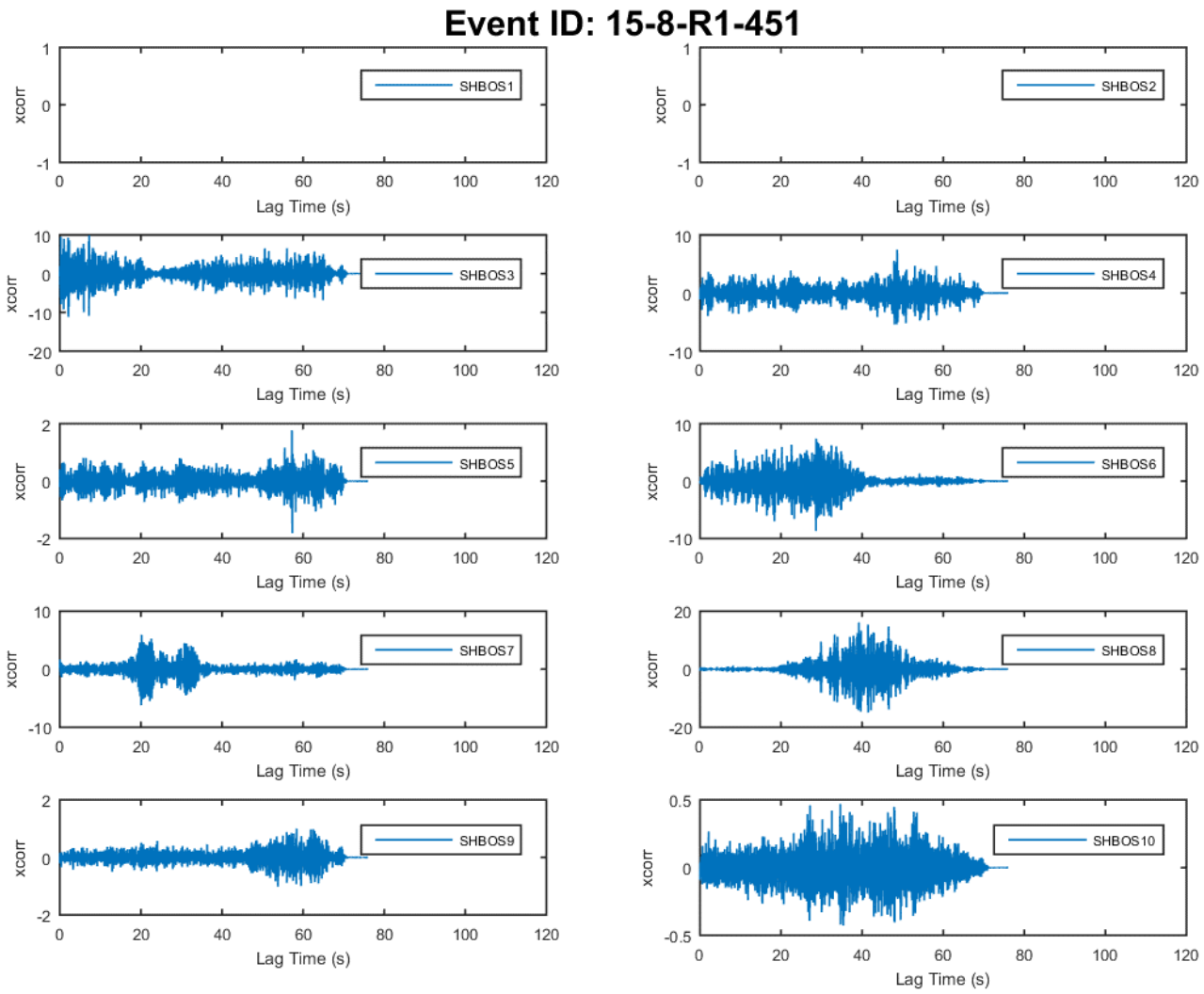


FIGURE 3.417: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-451

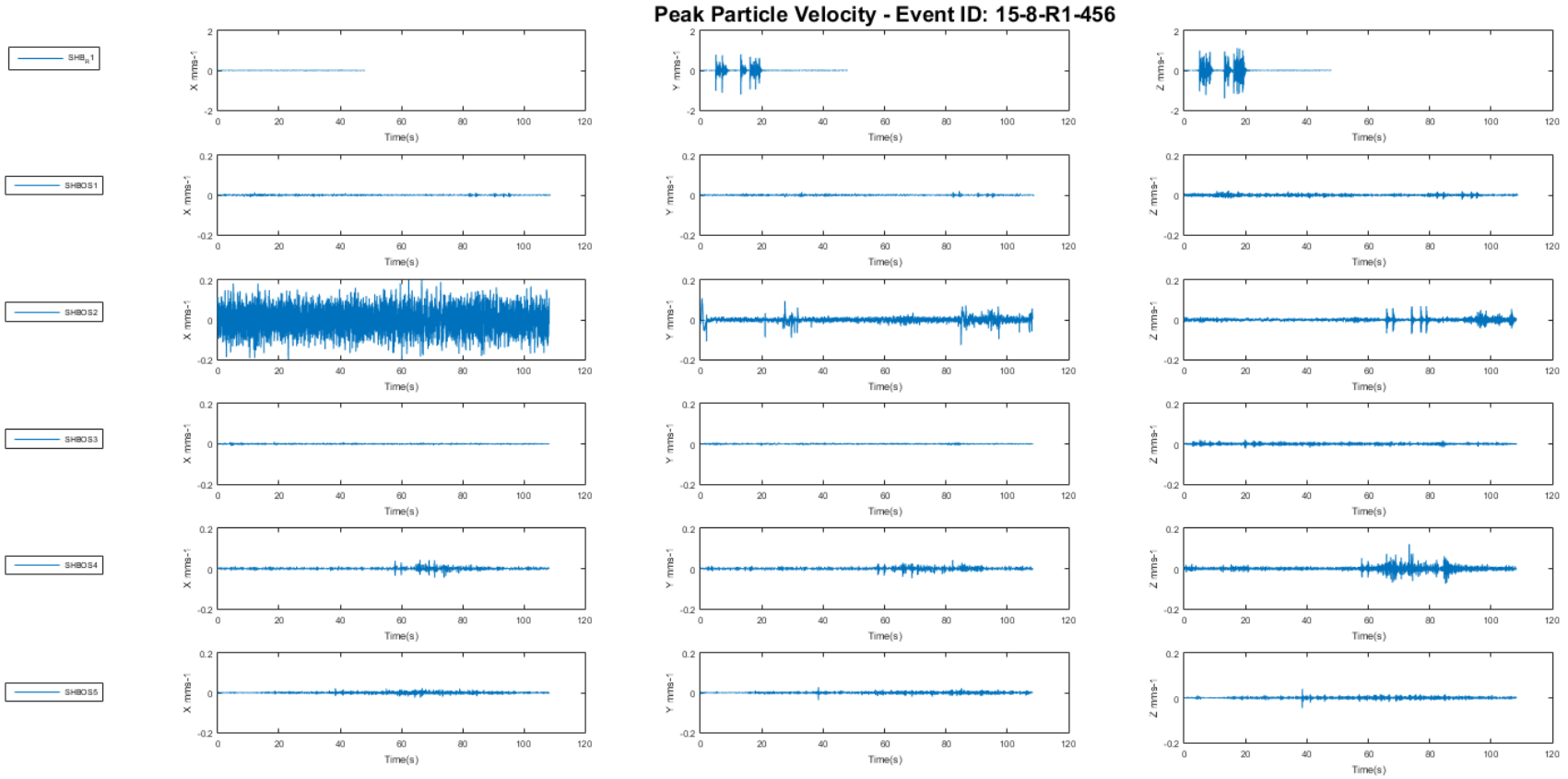


FIGURE 3.418: SHB_OS 1 - 5 15-8-R1-456

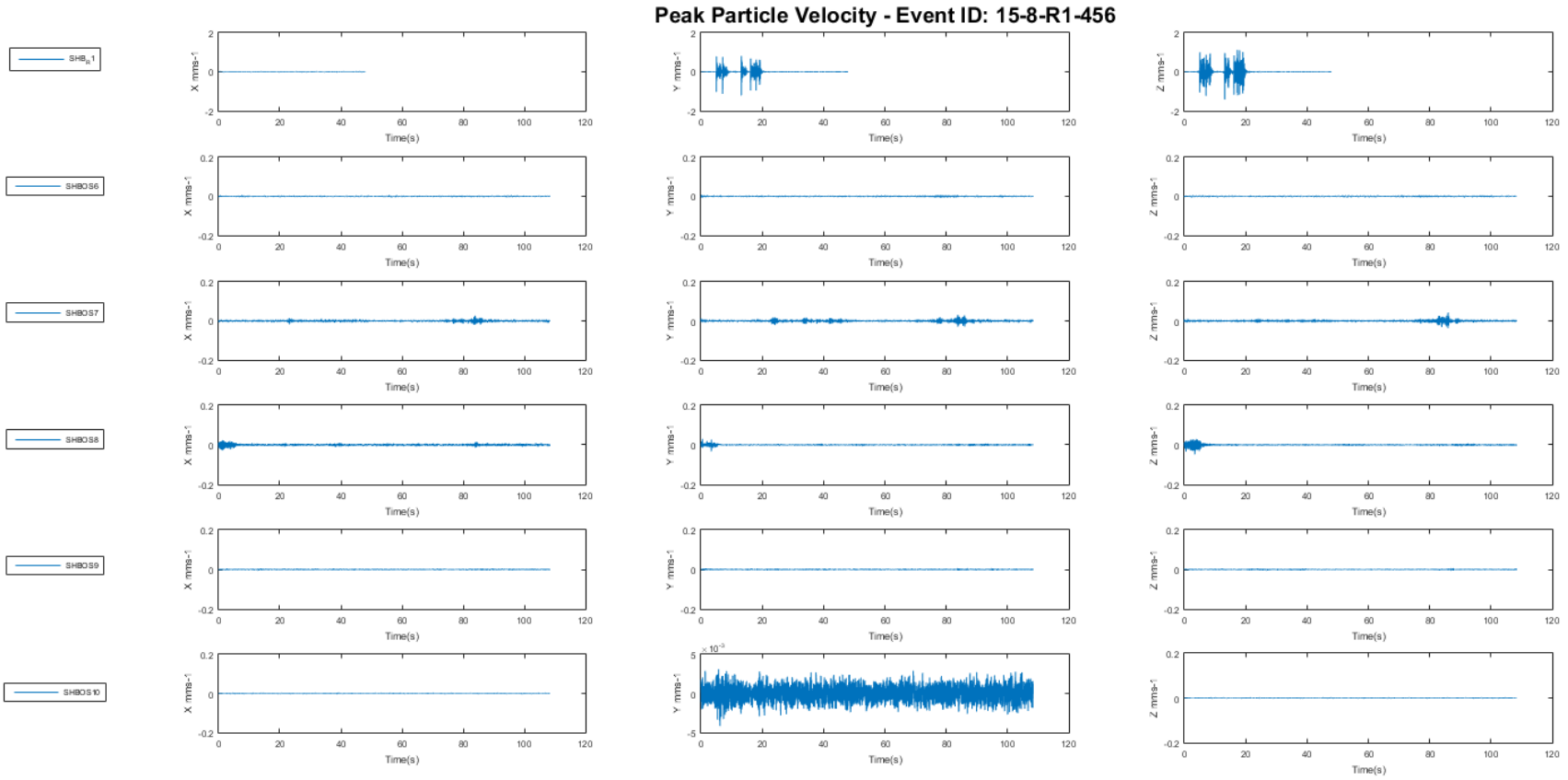


FIGURE 3.419: SHB_OS 6 - 10 15-8-R1-456

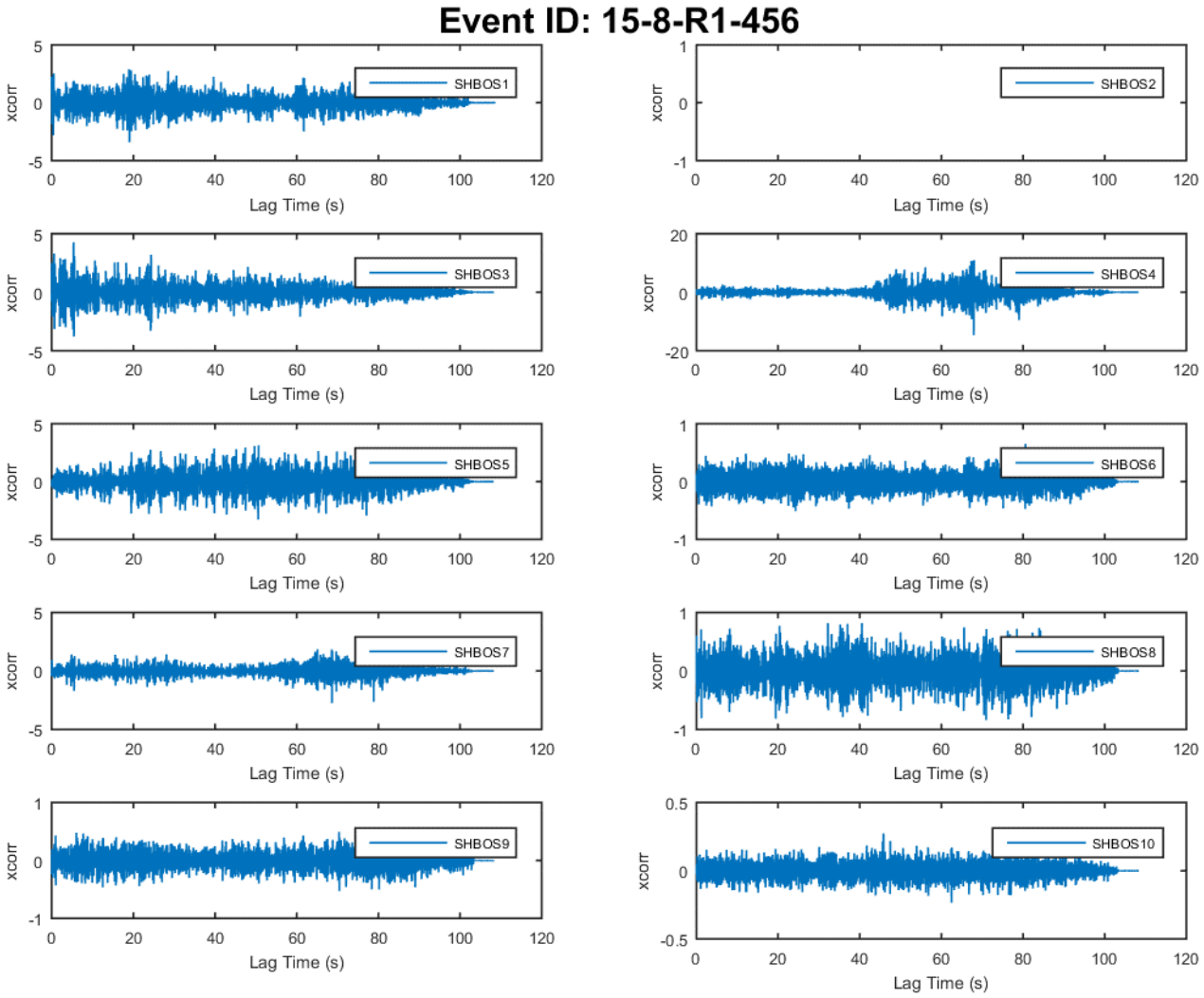


FIGURE 3.420: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-456

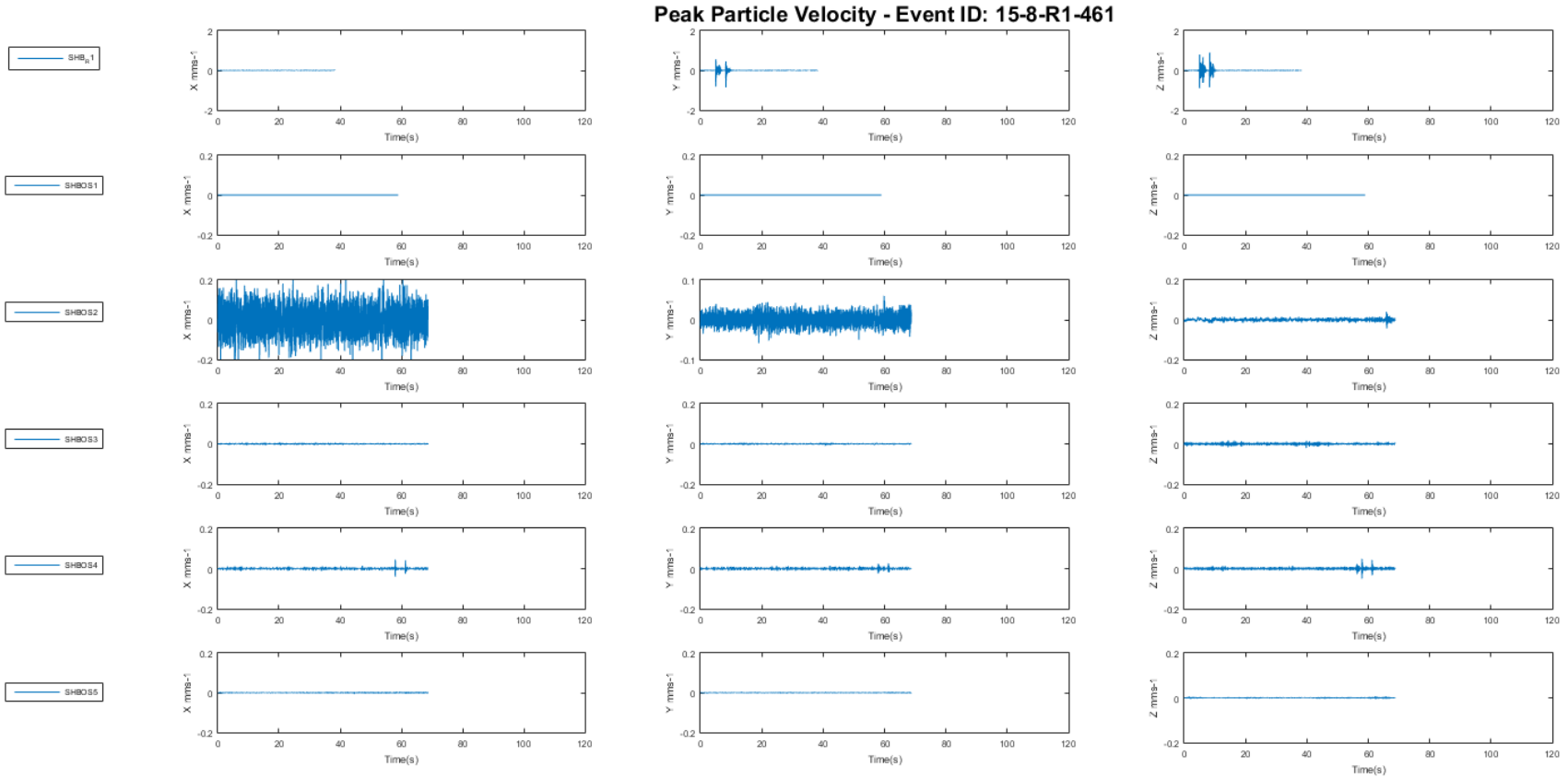
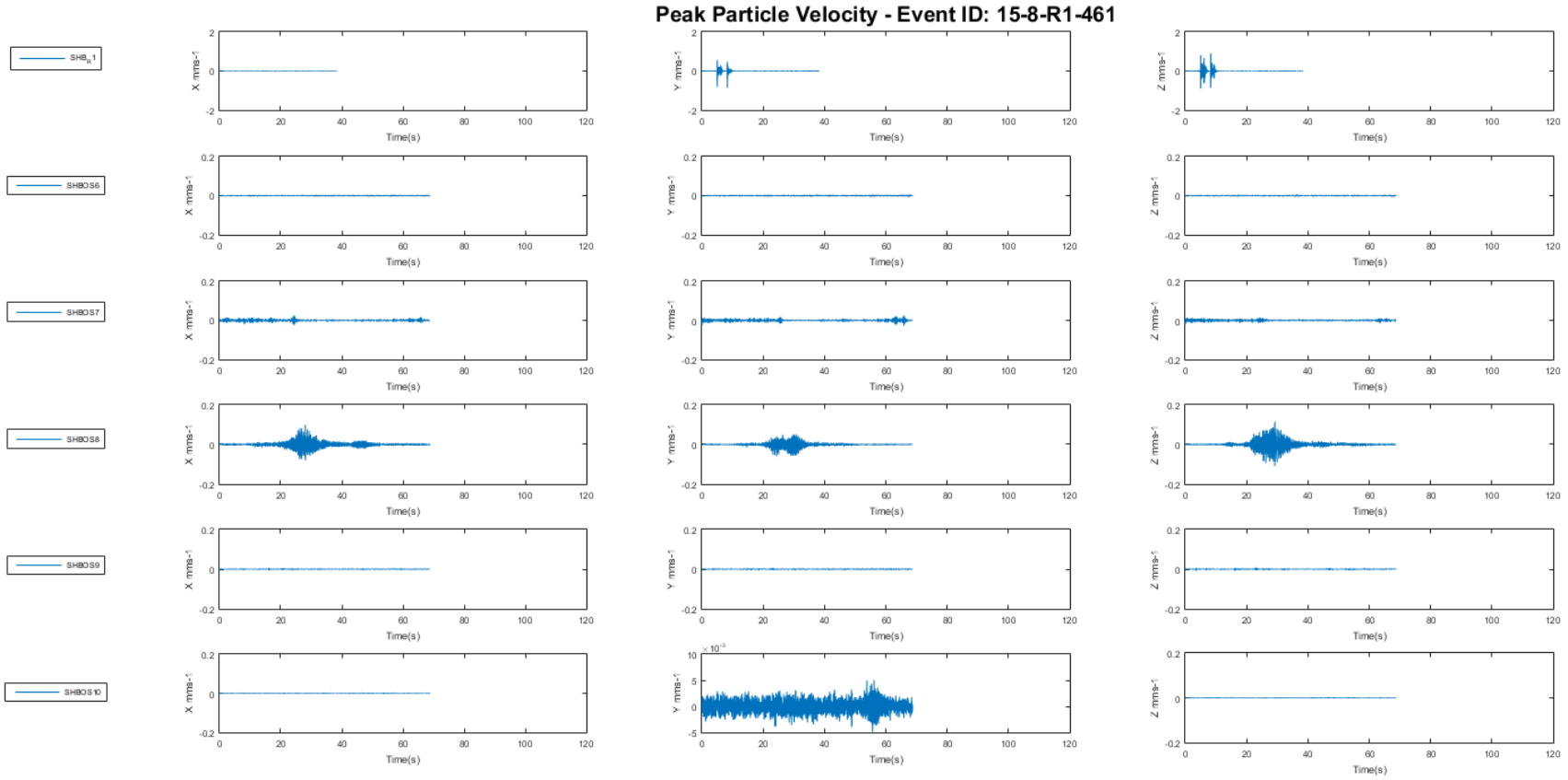


FIGURE 3.421: SHB_OS 1 - 5 15-8-R1-461

FIGURE 3.422: SHB_OS 6 - 10 15-8-R1-461



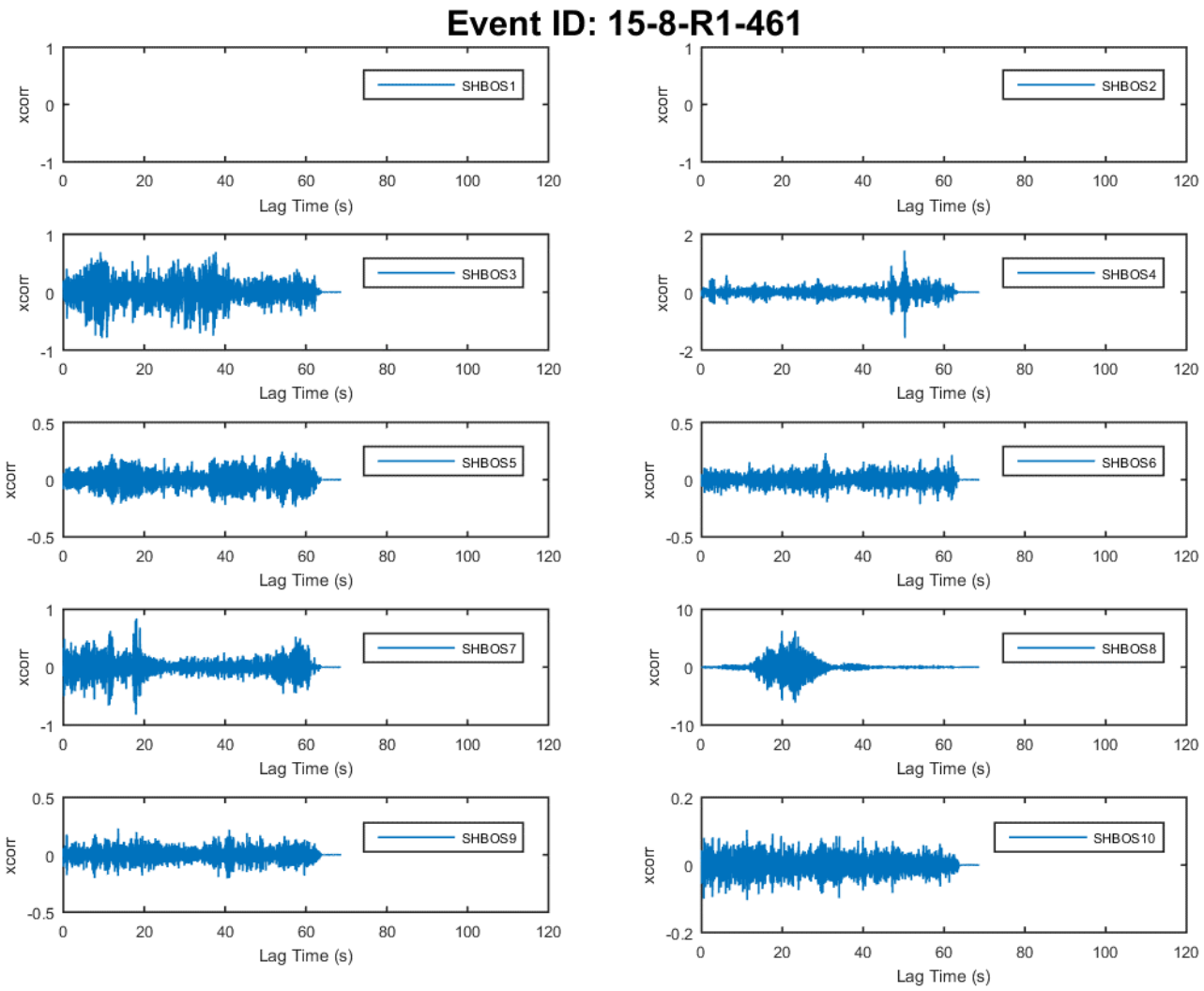


FIGURE 3.423: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-461

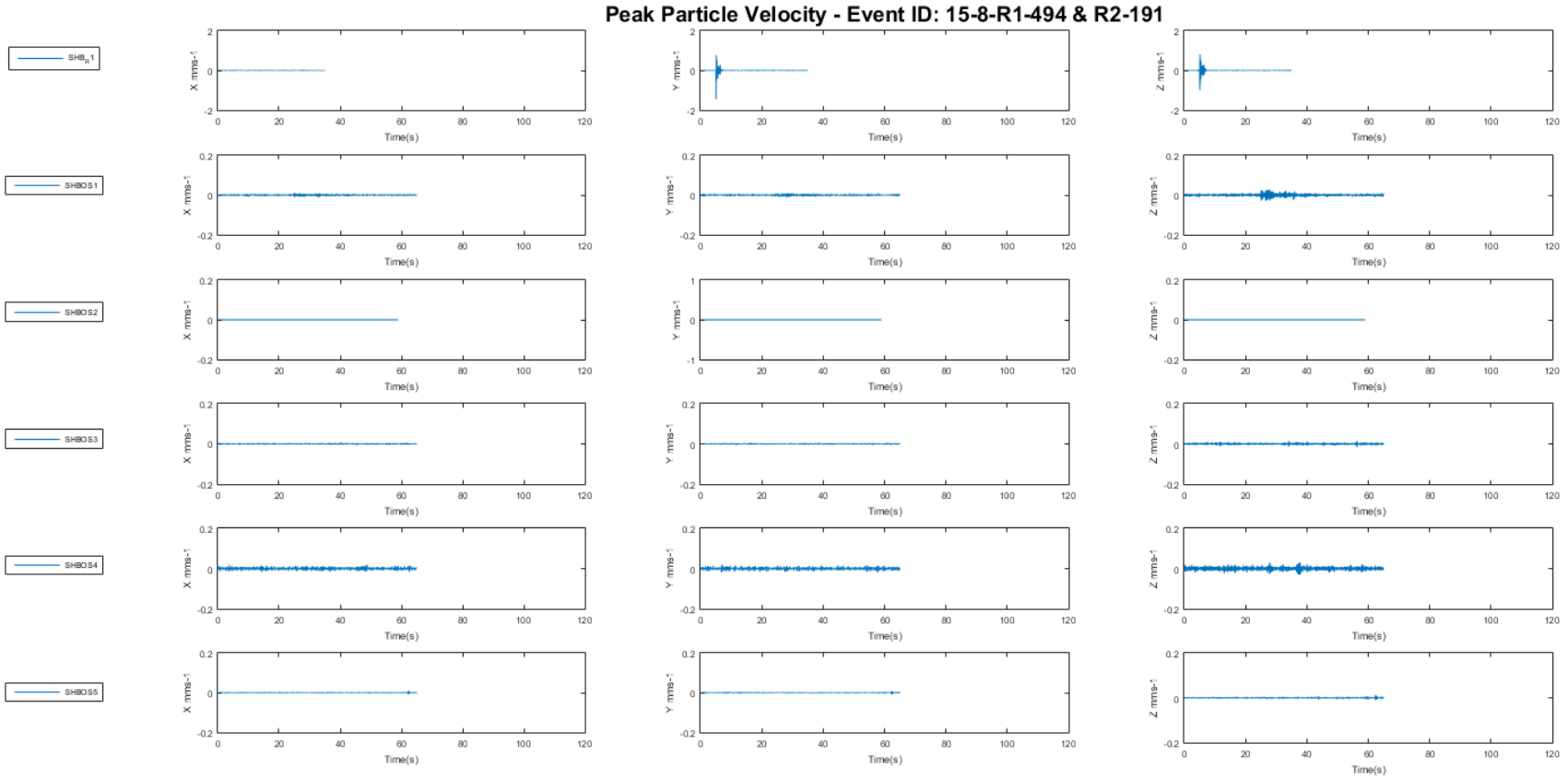


FIGURE 3.424: SHB_OS 1 - 5 15-8-R1-494 & R2-191

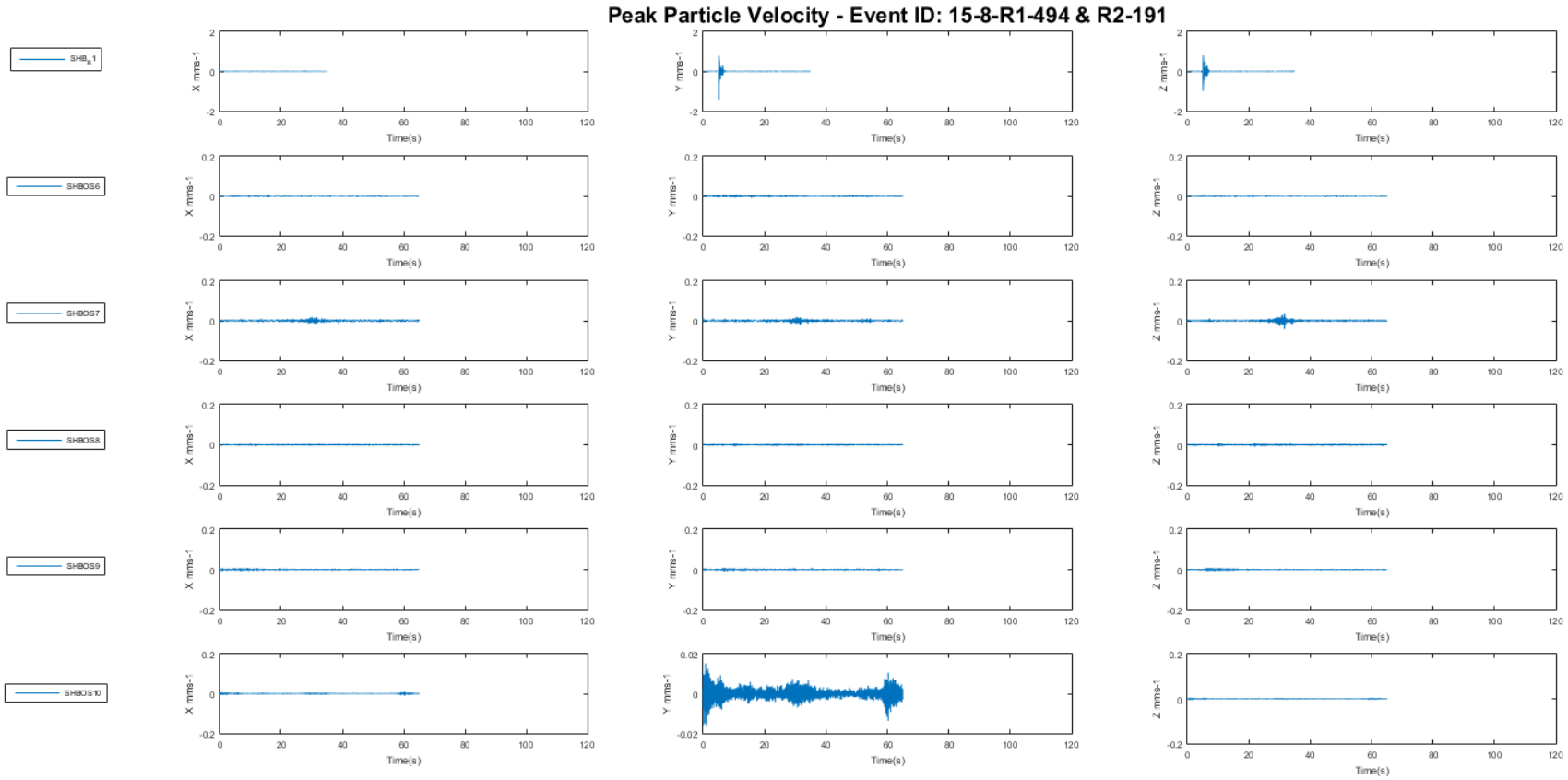


FIGURE 3.425: SHB_OS 6 - 10 15-8-R1-494 & R2-191

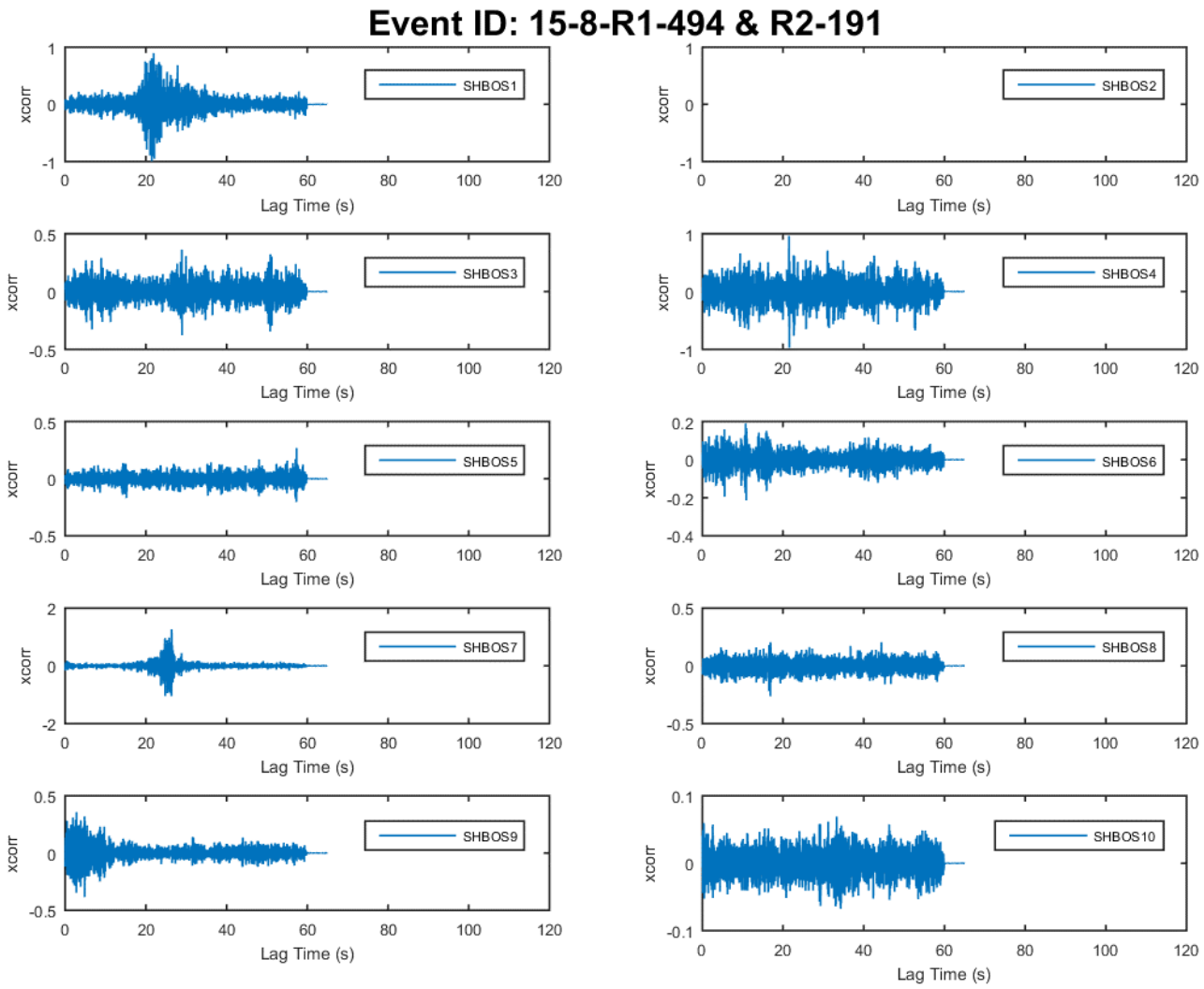


FIGURE 3.426: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-494 & R2-191

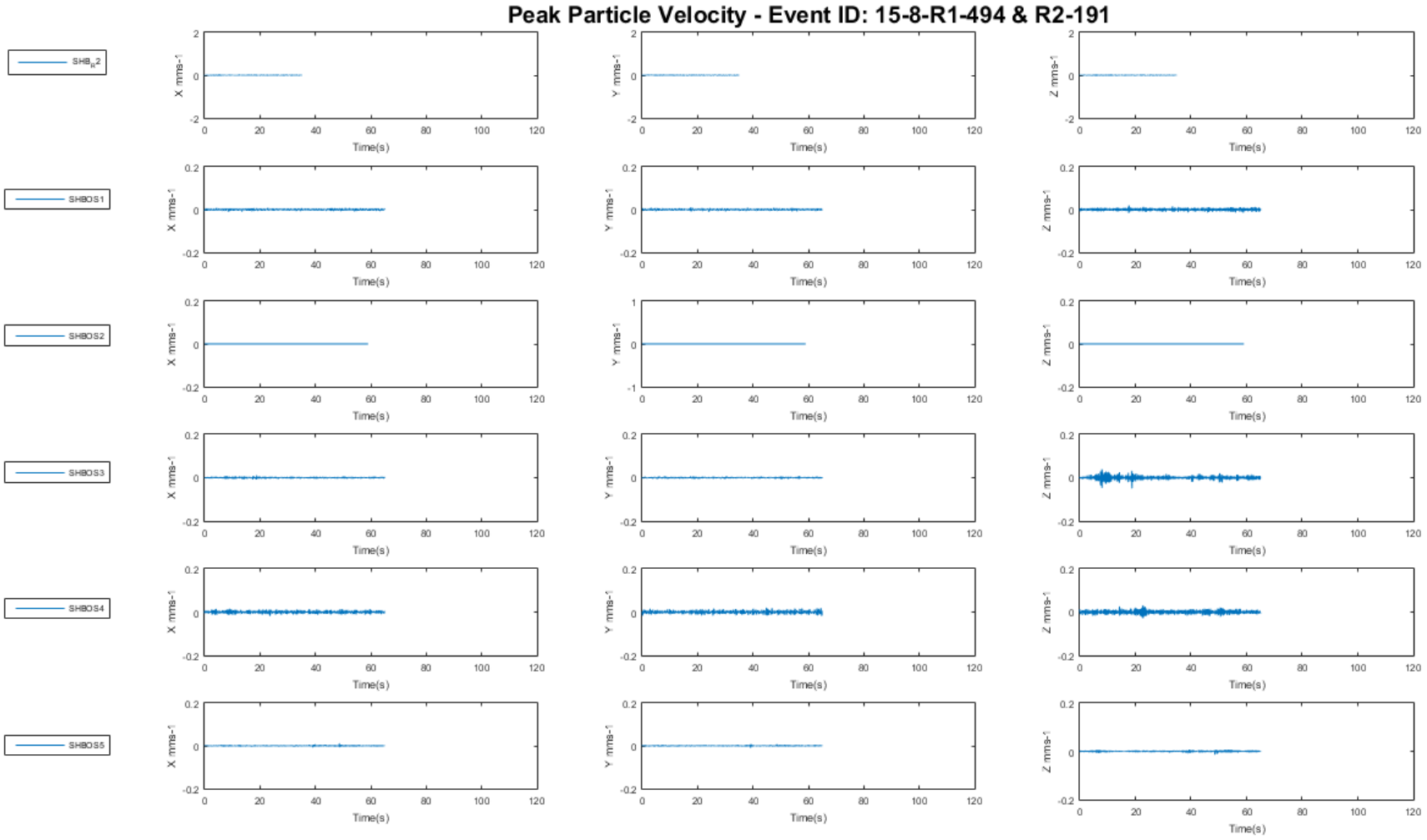


FIGURE 3.427: SHB_OS 1 - 5 15-8-R1-494 & R2-191

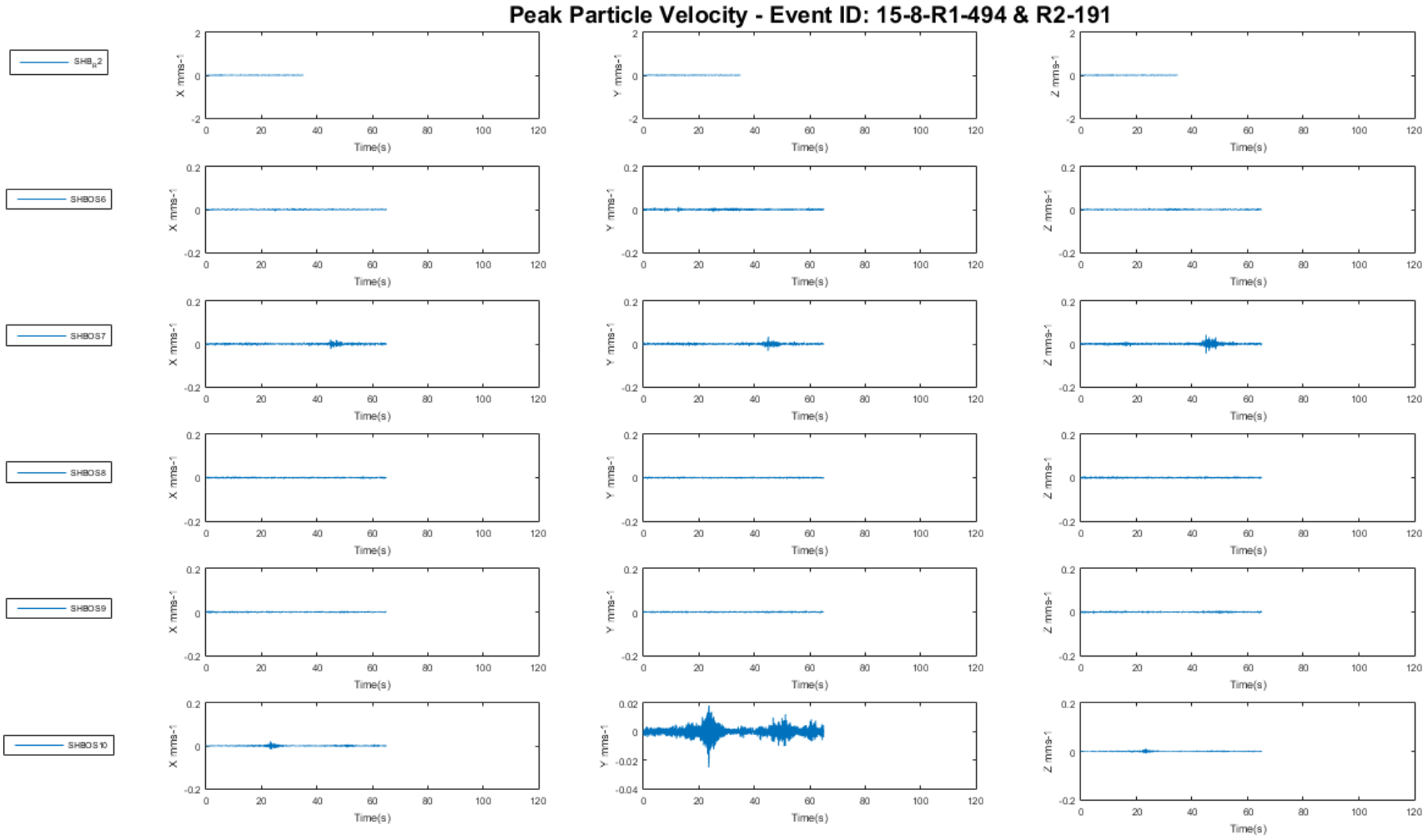


FIGURE 3.428: SHB_OS 6 - 10 15-8-R1-494 & R2-191

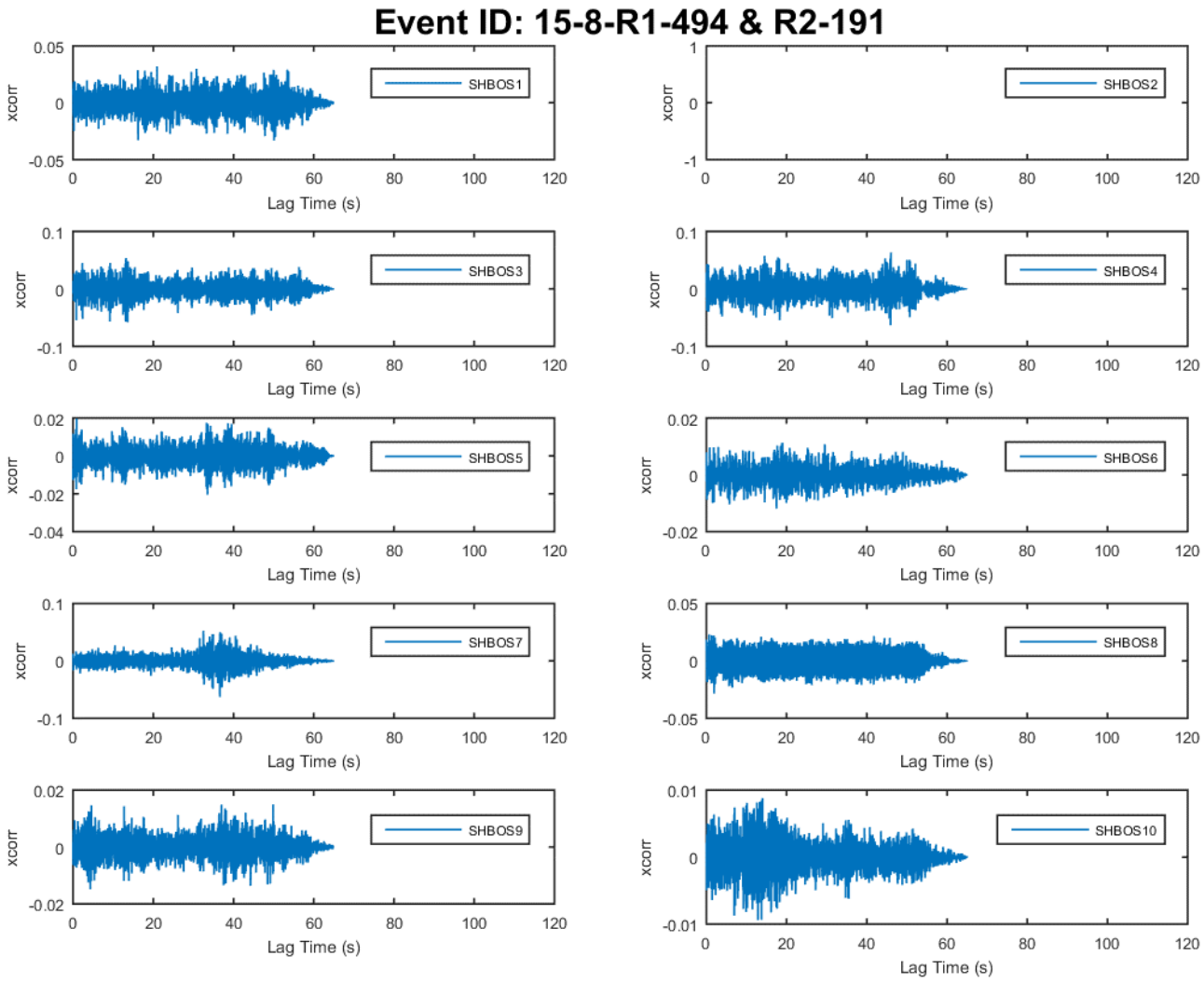


FIGURE 3.429: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-494 & R2-191

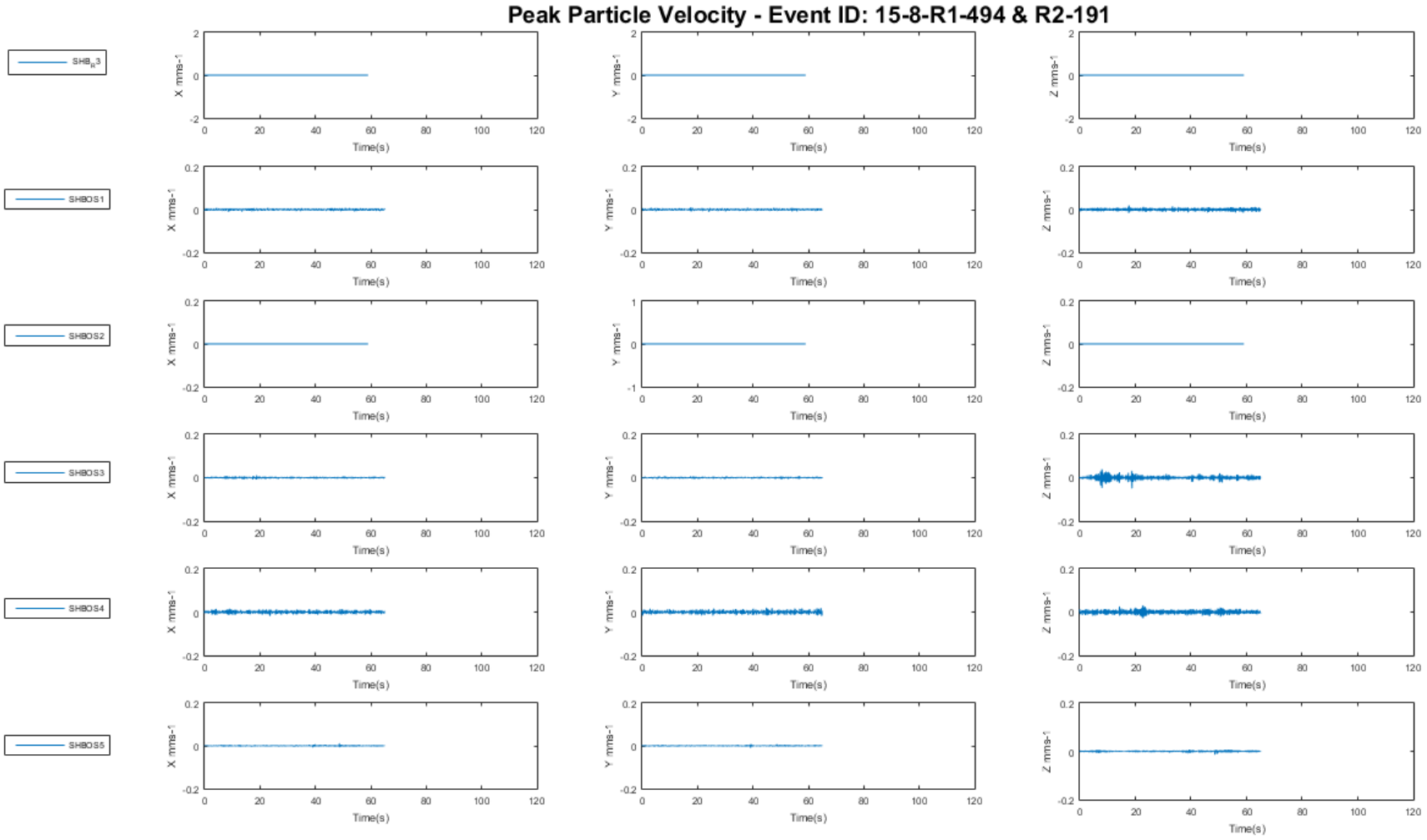


FIGURE 3.430: SHB_OS 1 - 5 15-8-R1-494 & R2-191

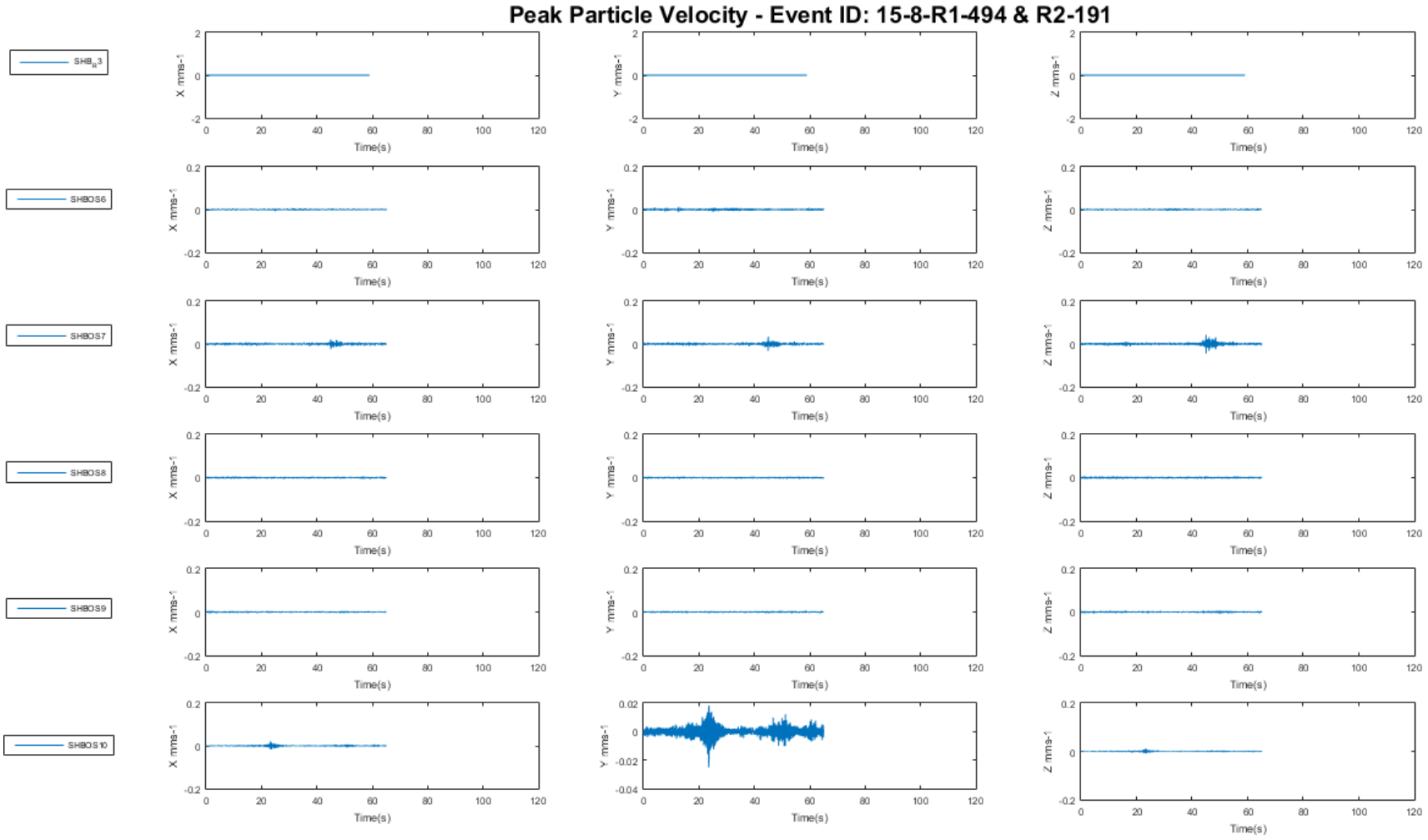


FIGURE 3.431: SHB_OS 6 - 10 15-8-R1-494 & R2-191

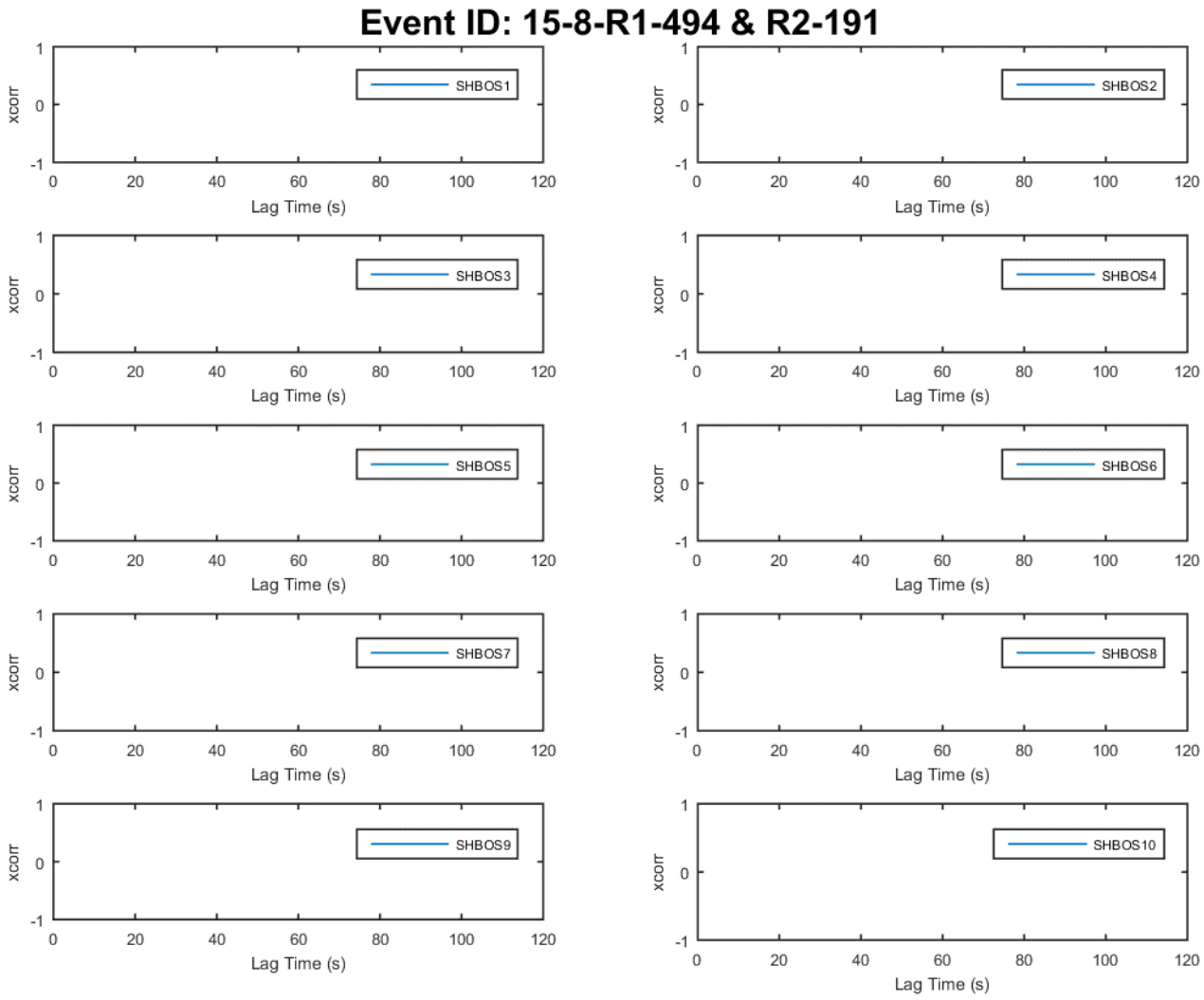


FIGURE 3.432: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-494 & R2-191

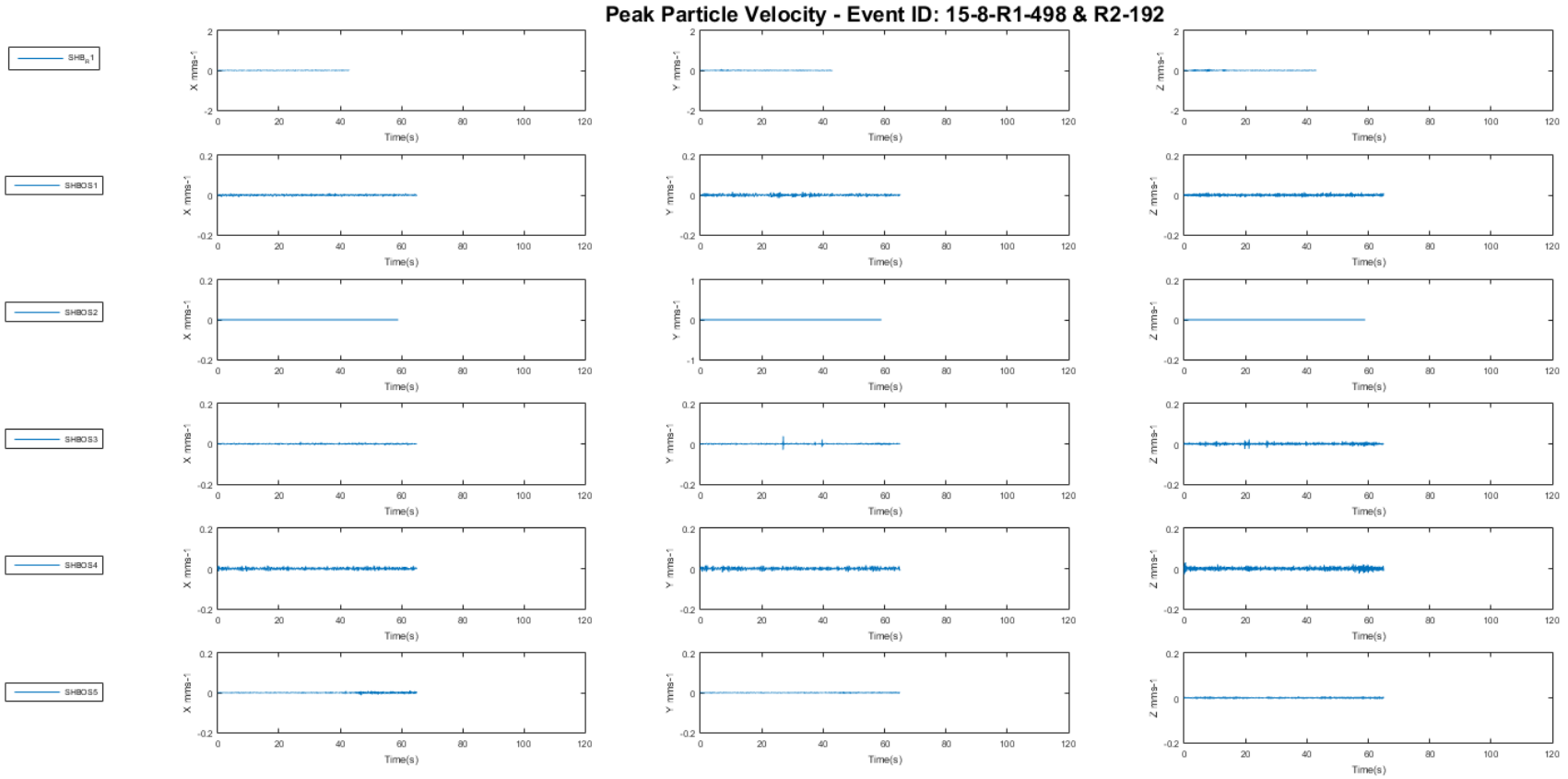


FIGURE 3.433: SHB_OS 1 - 5 15-8-R1-498 & R2-192

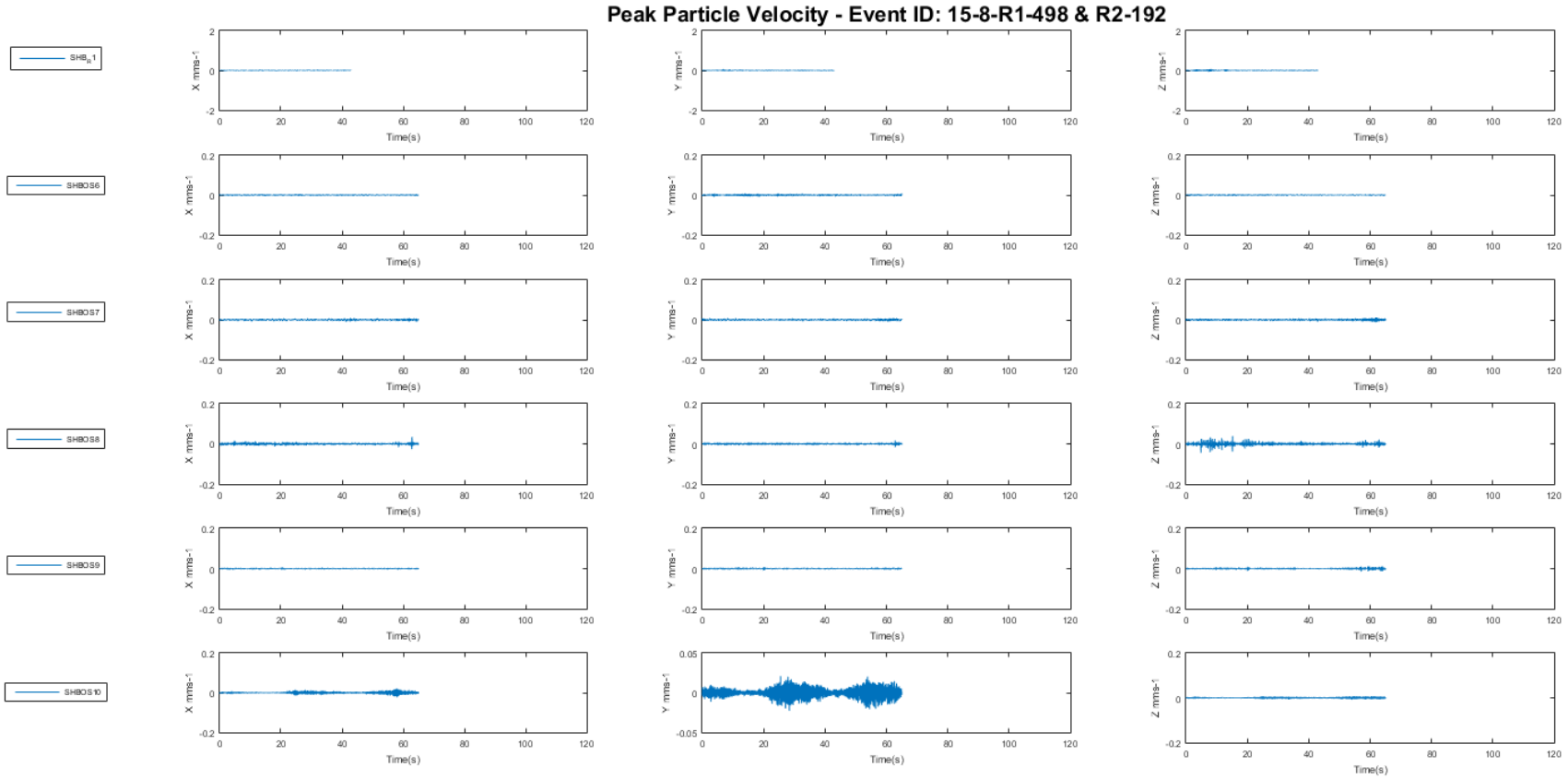


FIGURE 3.434: SHB_OS 6 - 10 15-8-R1-498 & R2-192

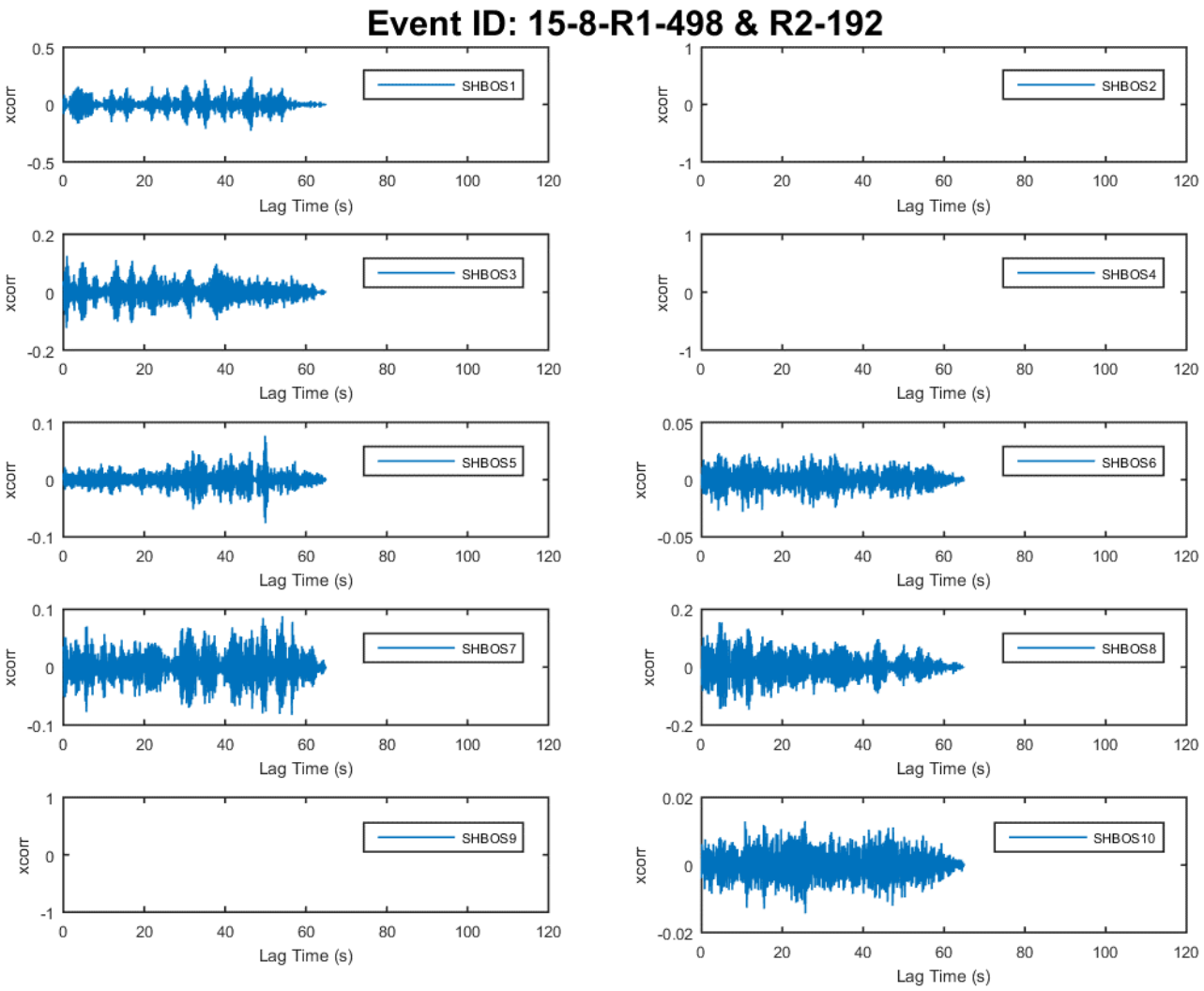


FIGURE 3.435: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-498 & R2-192

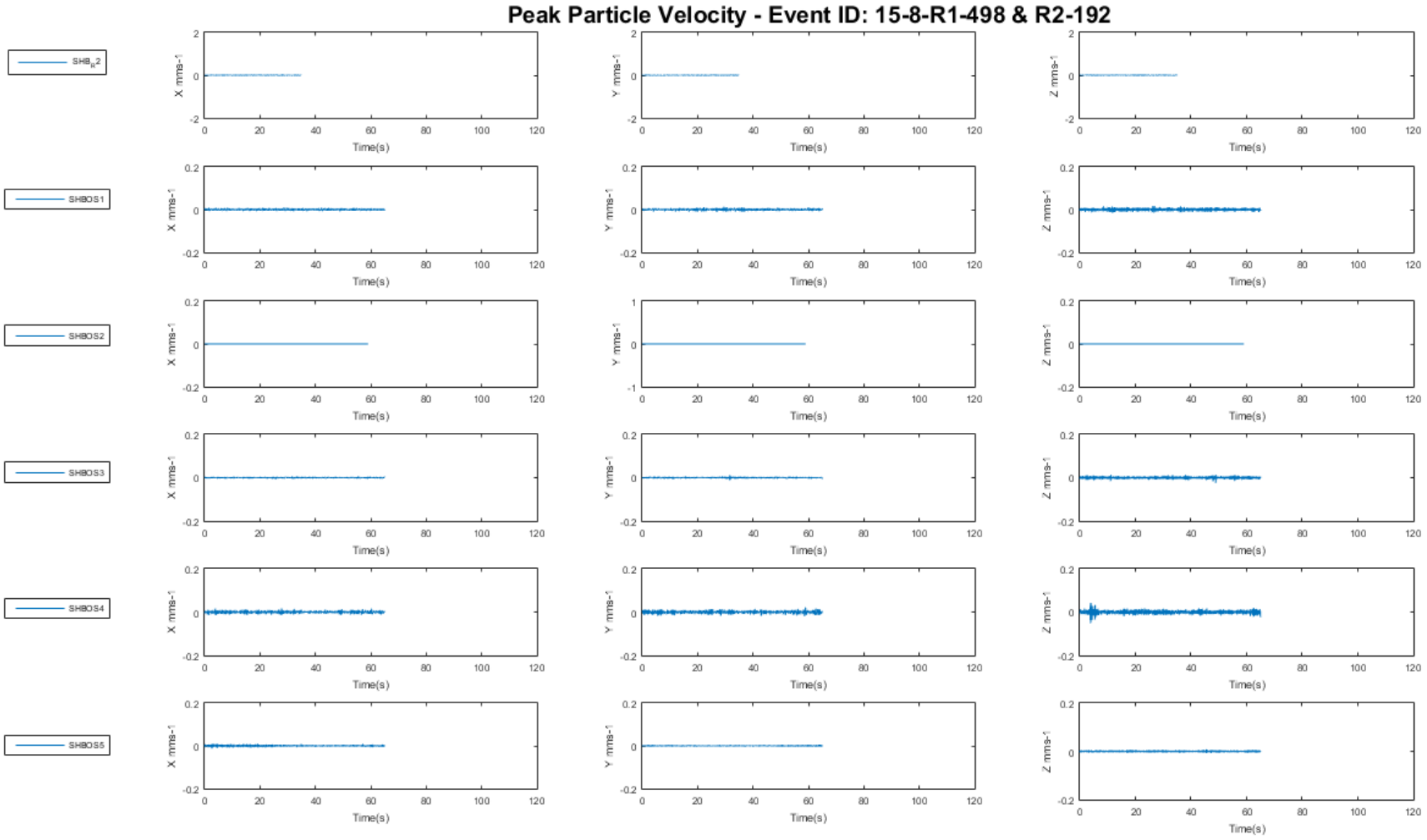


FIGURE 3.436: SHB_OS 1 - 5 15-8-R1-498 & R2-192

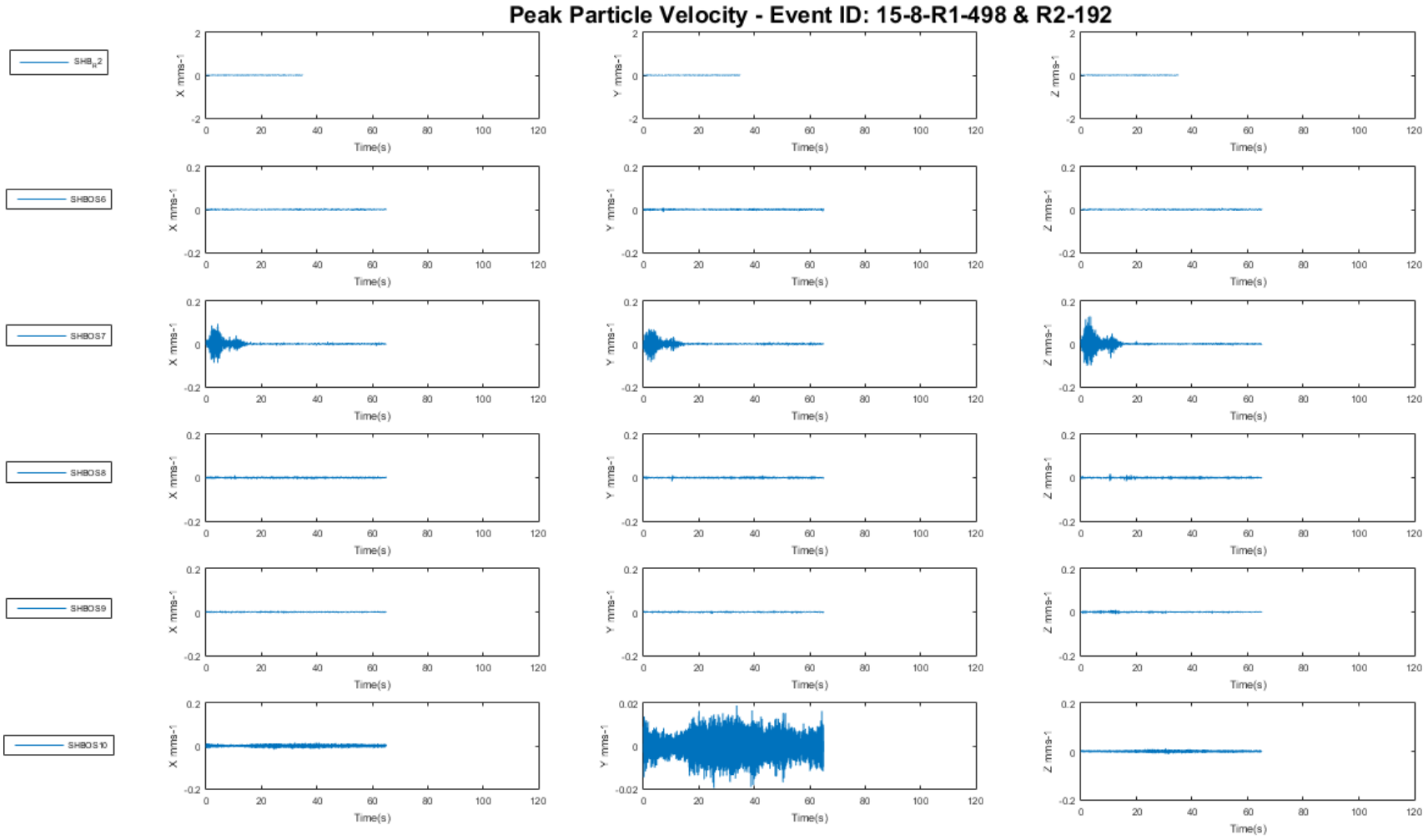


FIGURE 3.437: SHB_OS 6 - 10 15-8-R1-498 & R2-192

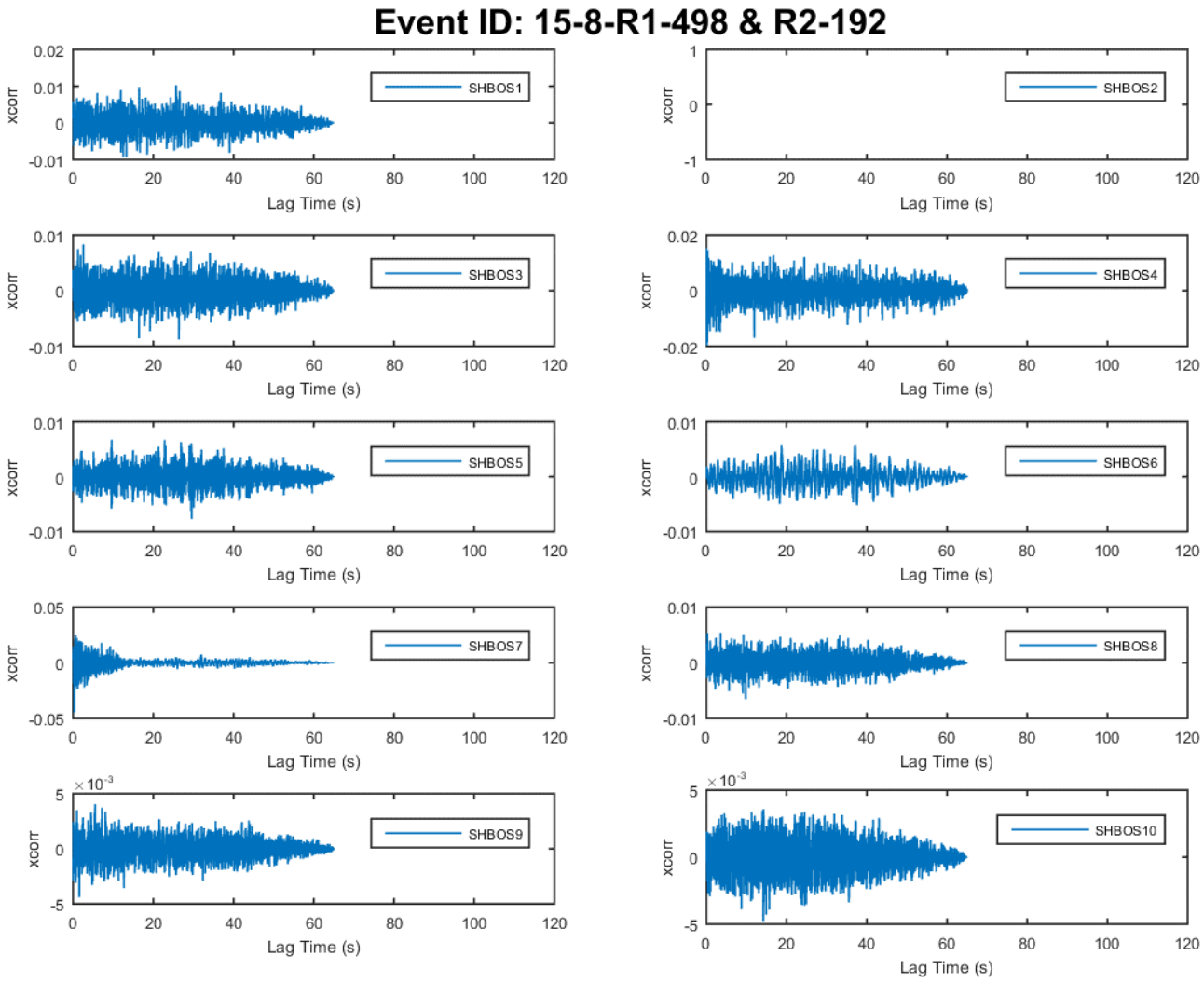


FIGURE 3.438: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-498 & R2-192

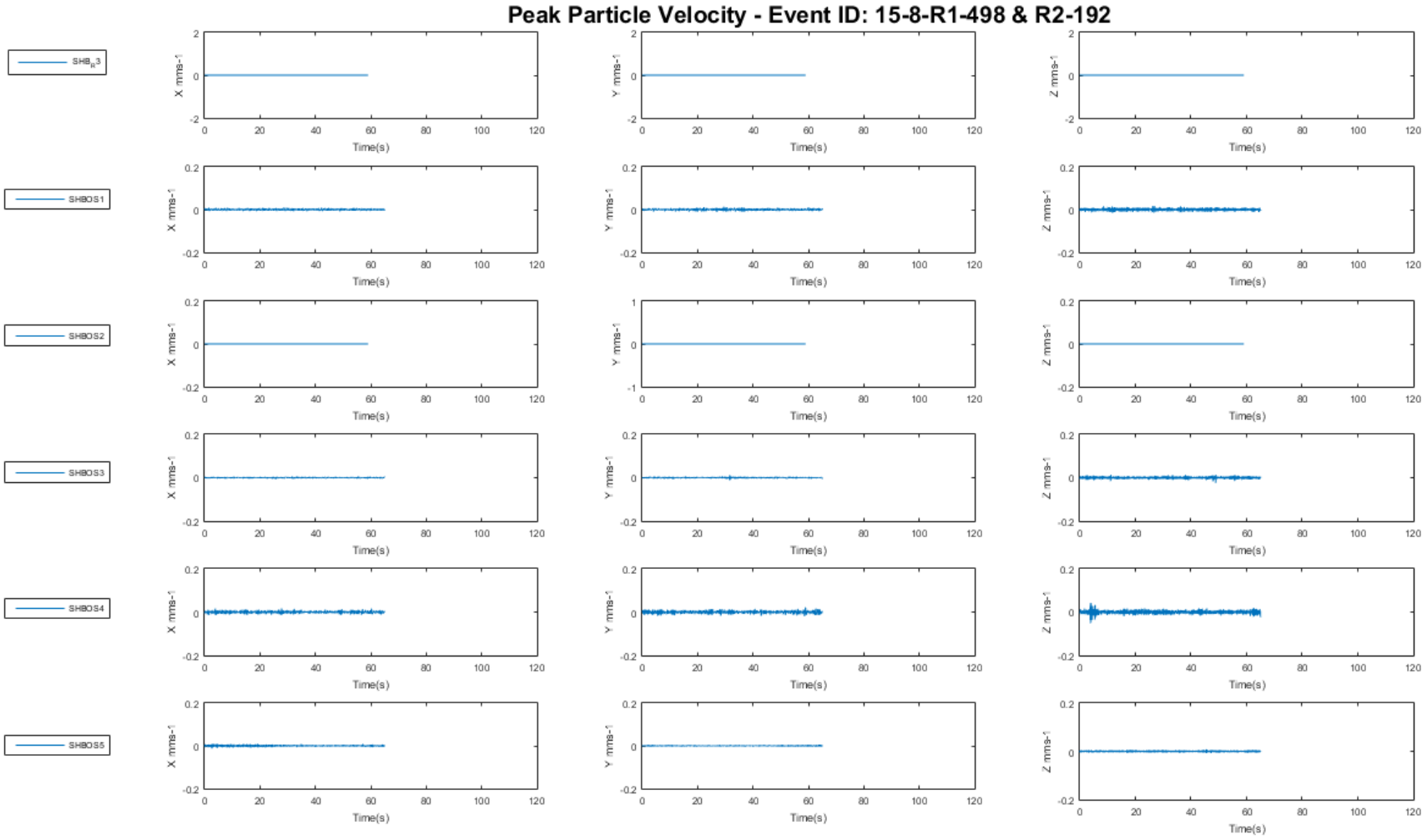


FIGURE 3.439: SHB_OS 1 - 5 15-8-R1-498 & R2-192

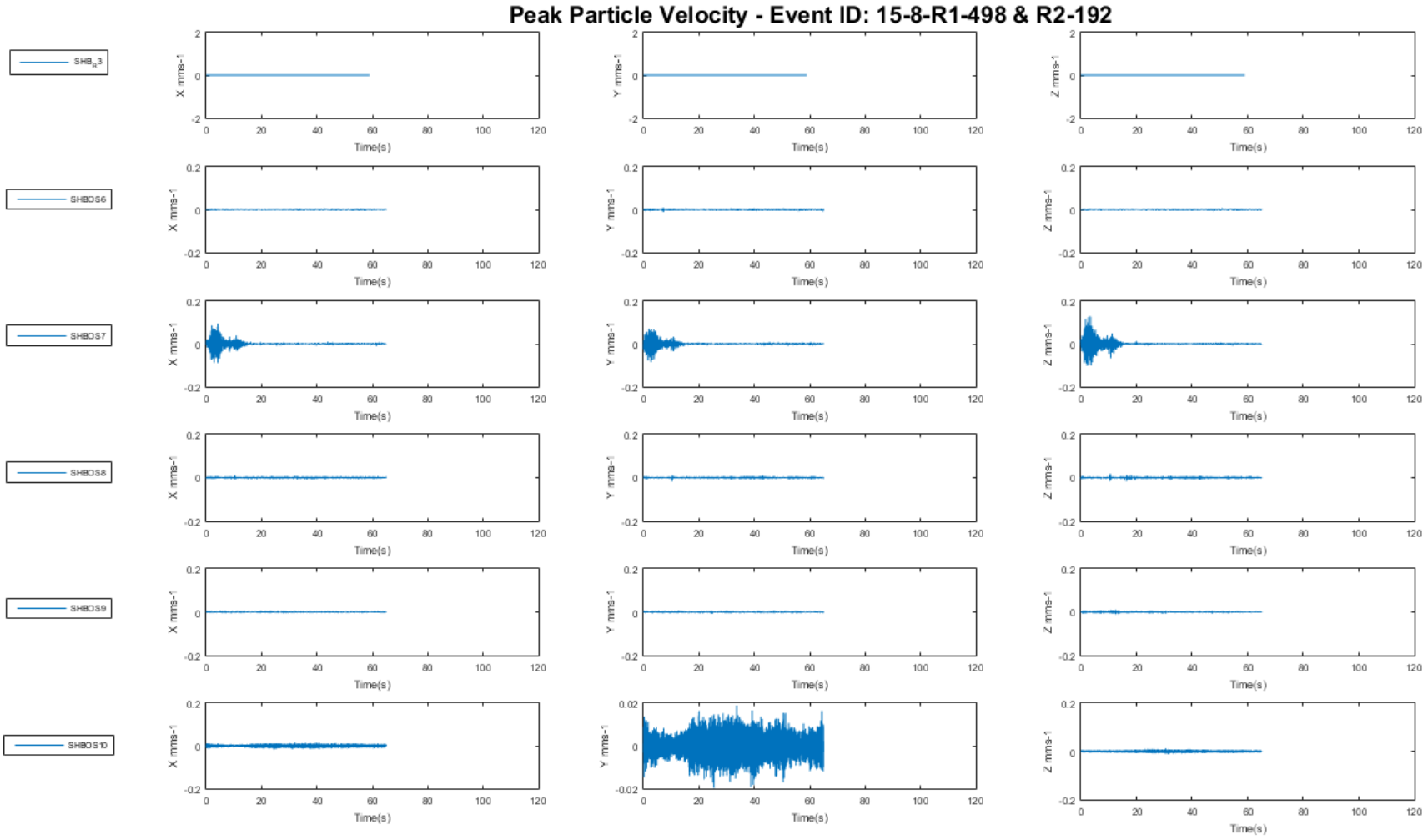


FIGURE 3.440: SHB_OS 6 - 10 15-8-R1-498 & R2-192

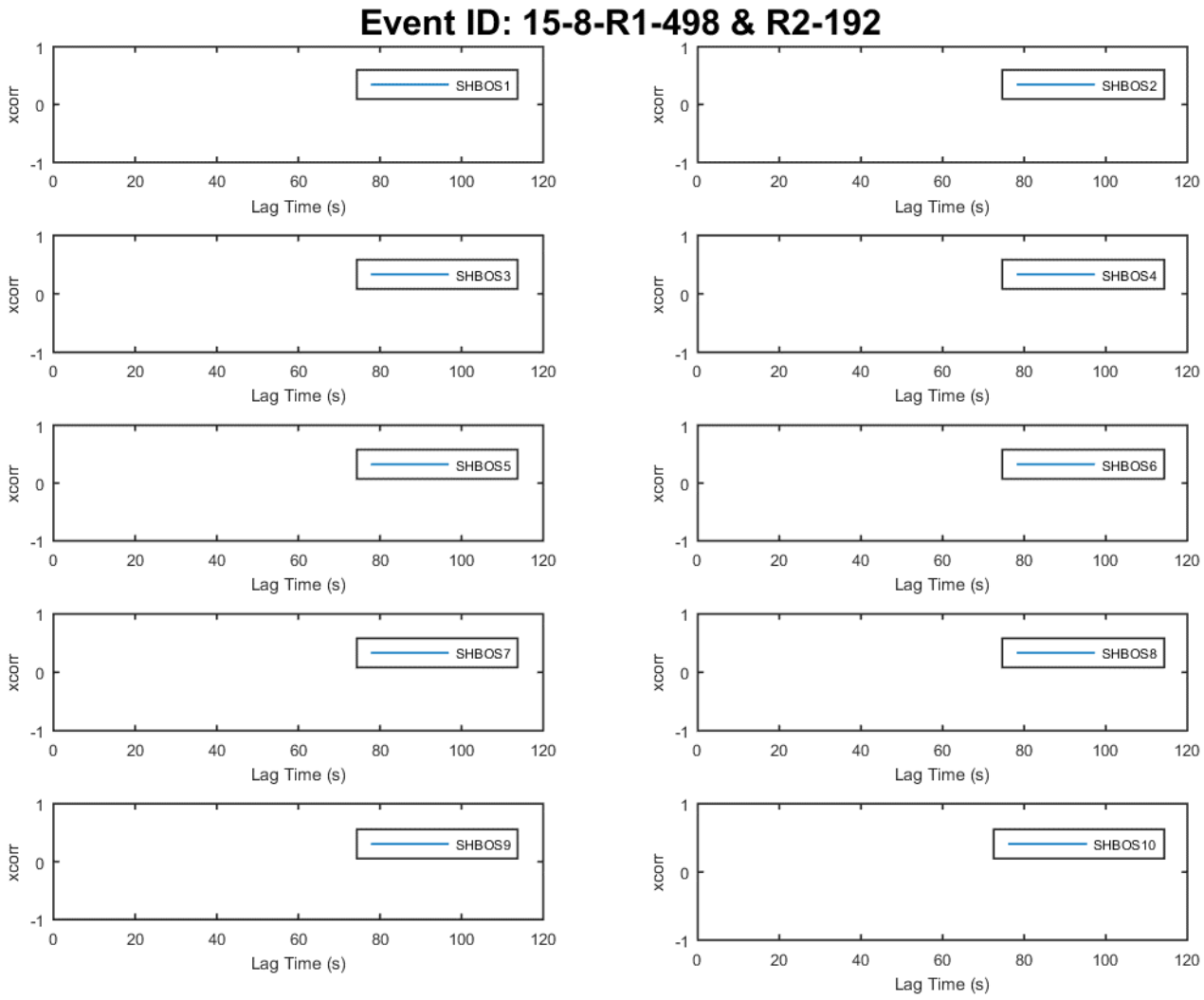


FIGURE 3.441: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-498 & R2-192

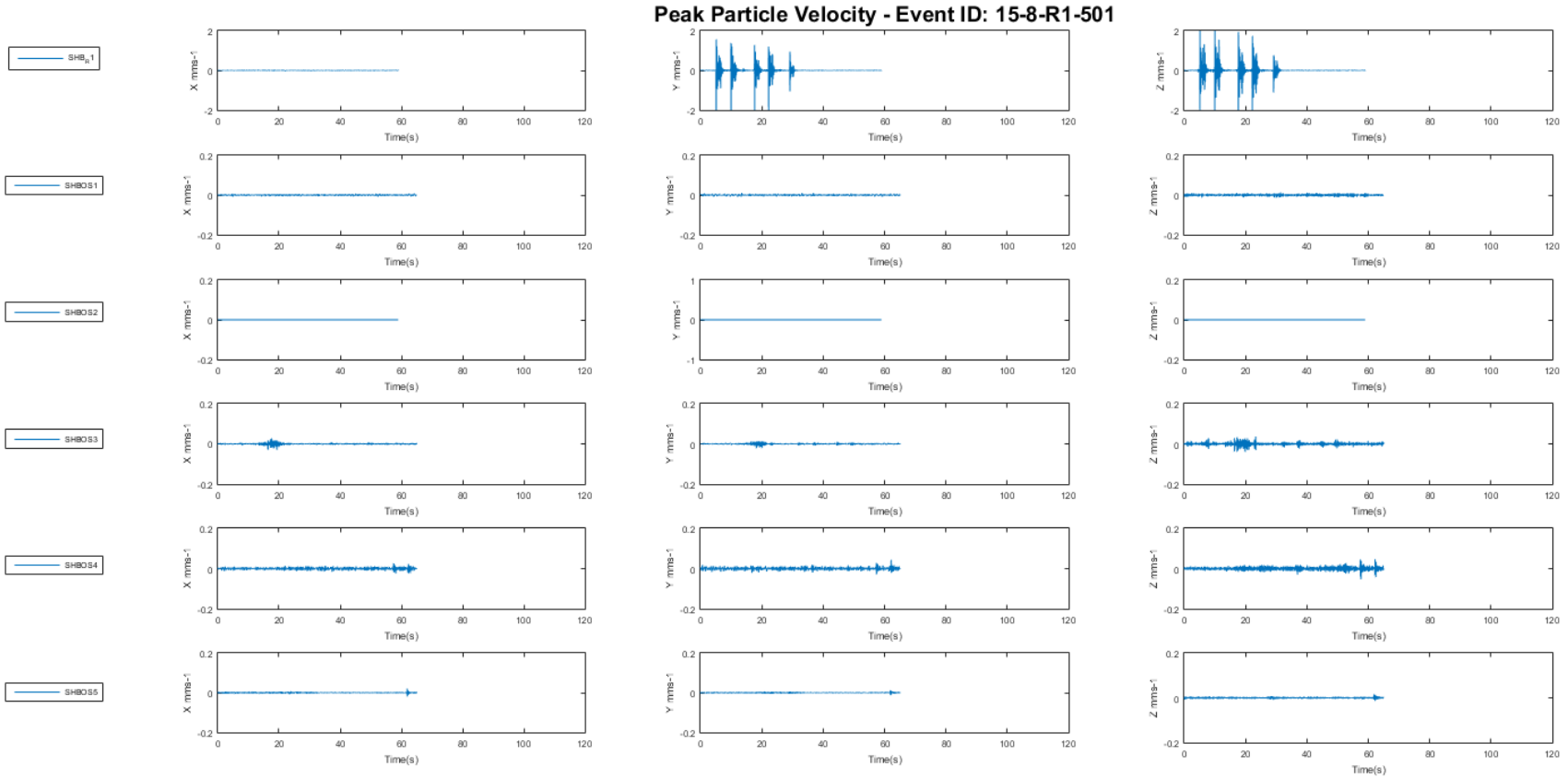


FIGURE 3.442: SHB_OS 1 - 5 15-8-R1-501

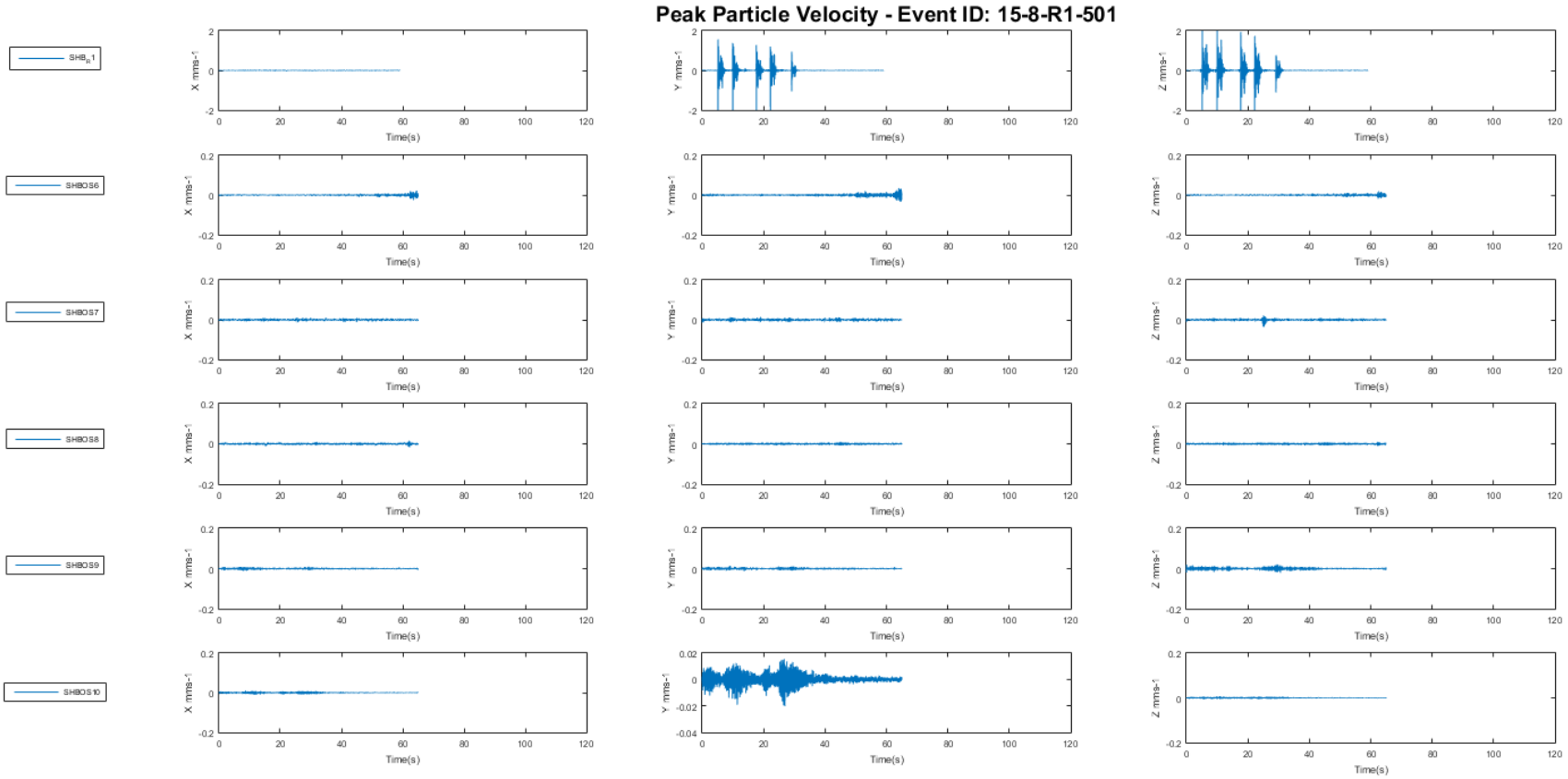


FIGURE 3.443: SHB_OS 6 - 10 15-8-R1-501

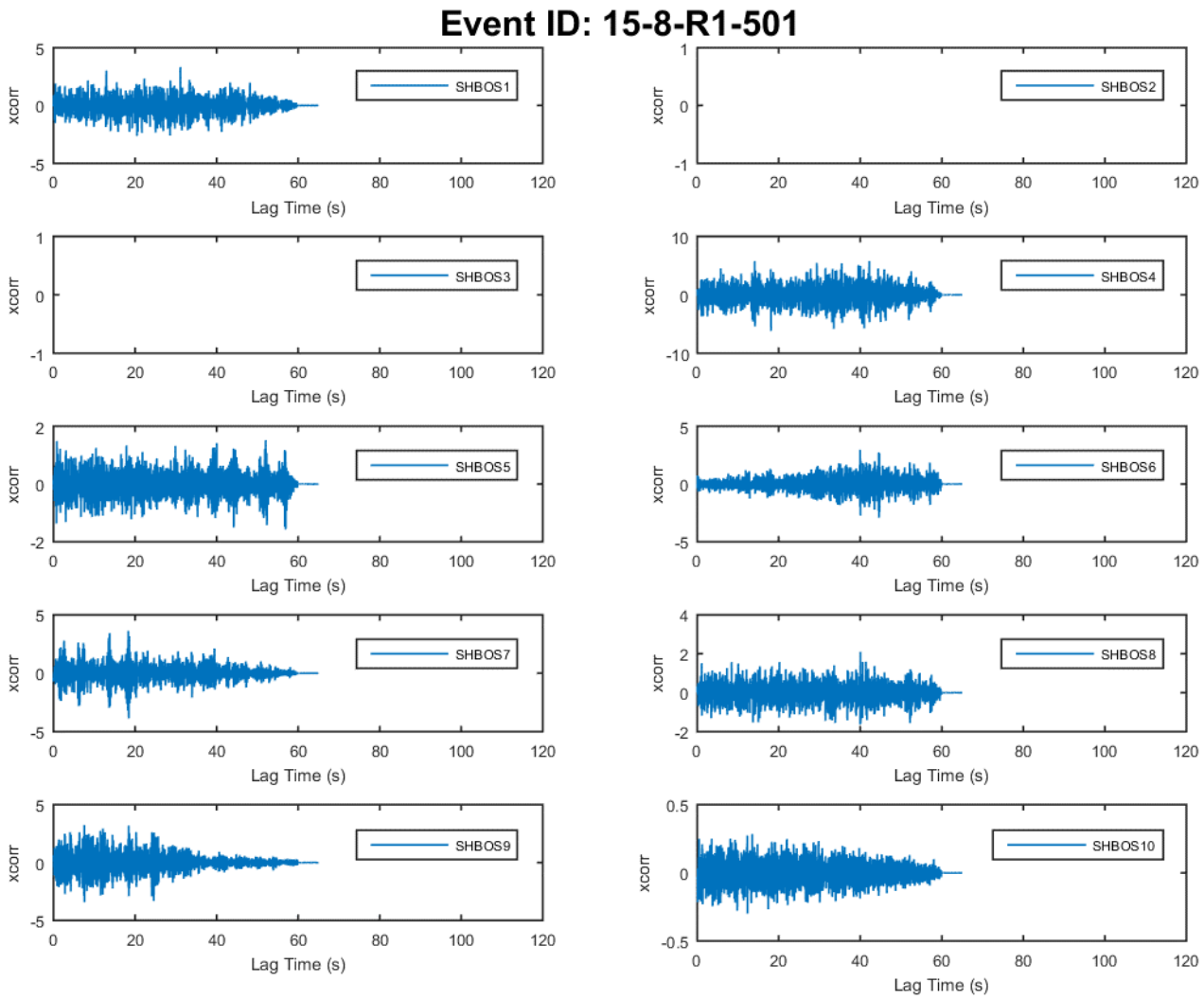


FIGURE 3.444: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-501

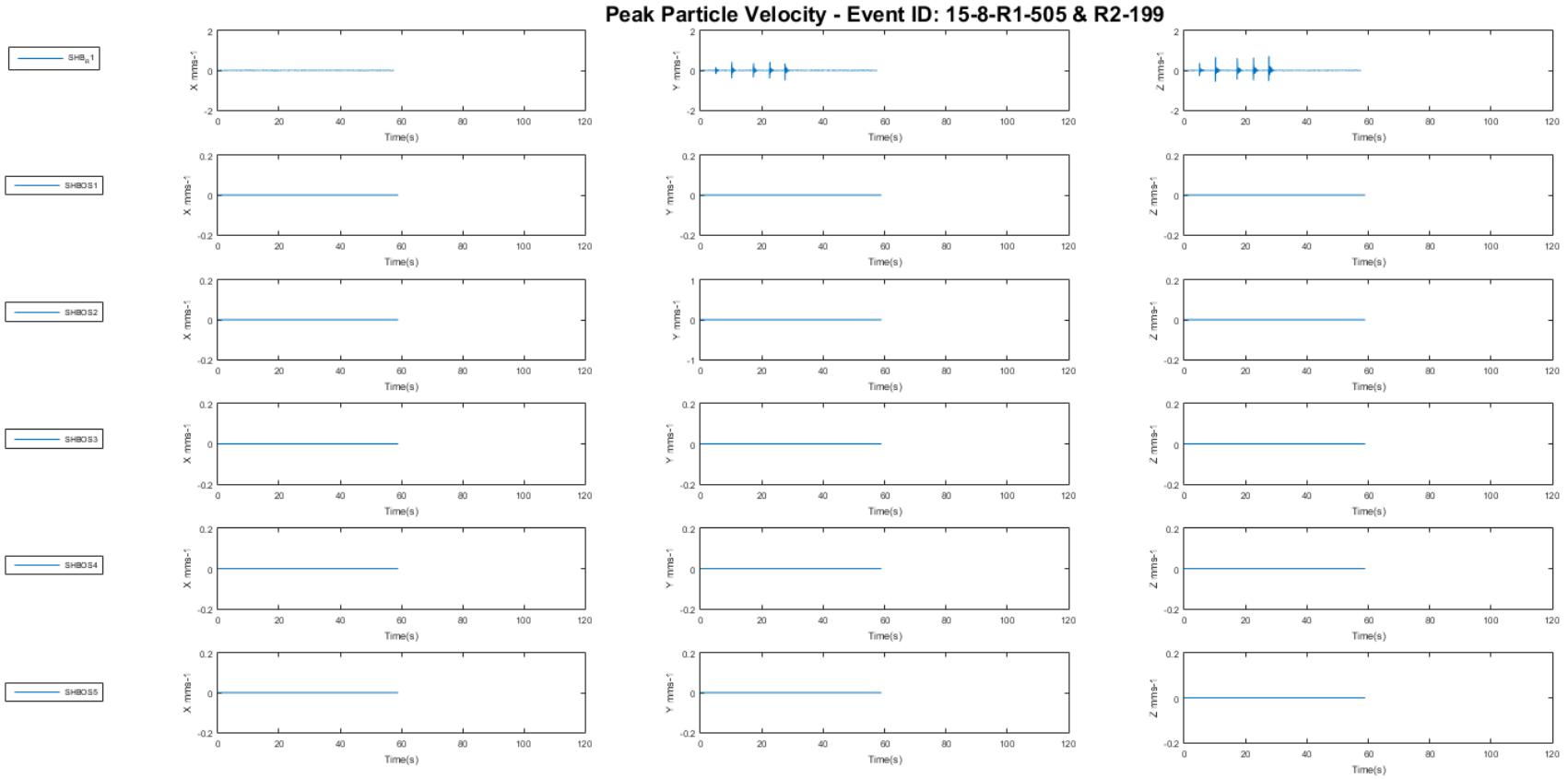


FIGURE 3.445: SHB_OS 1 - 5 15-8-R1-505 & R2-199

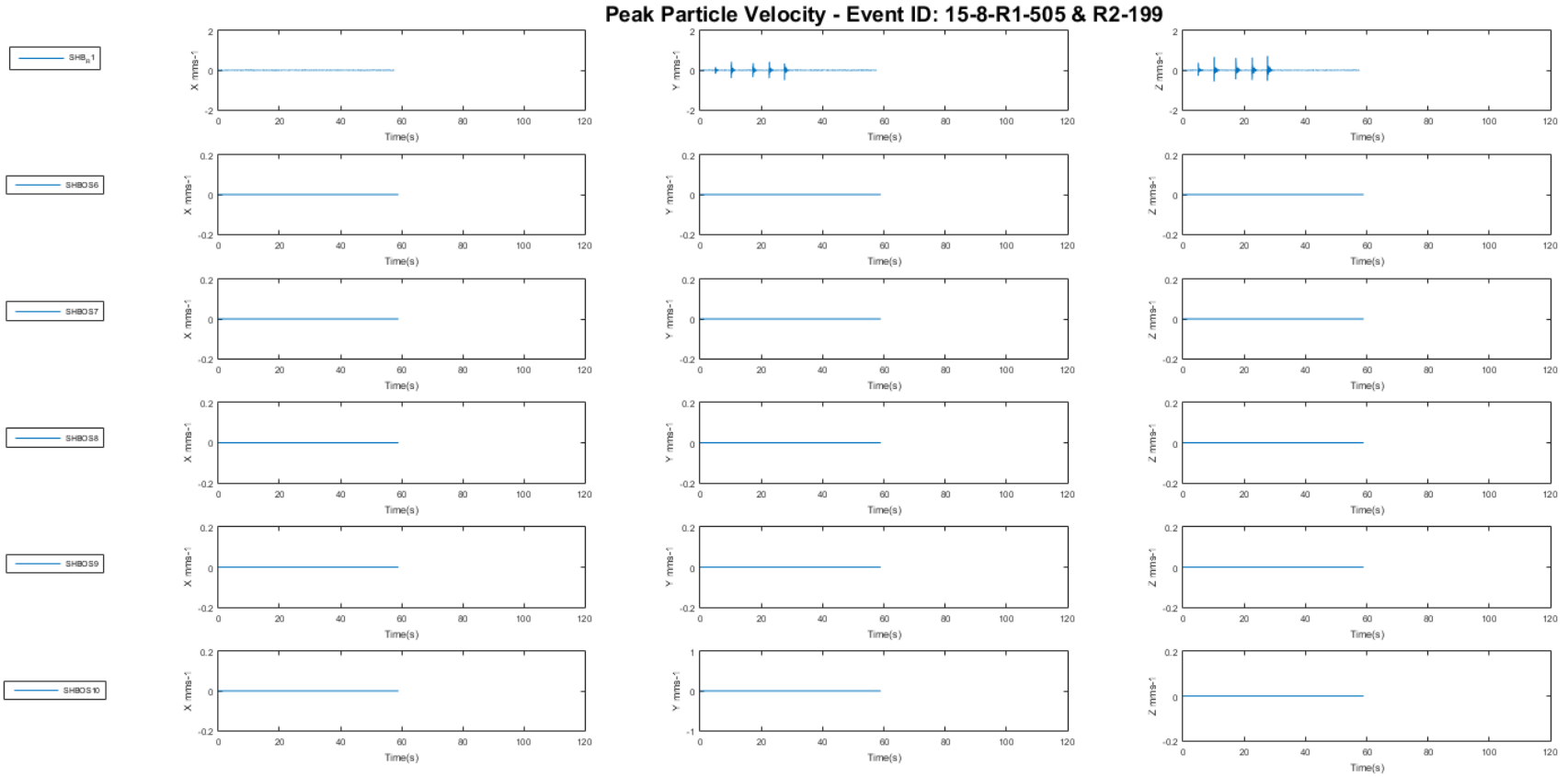


FIGURE 3.446: SHB_OS 6 - 10 15-8-R1-505 & R2-199

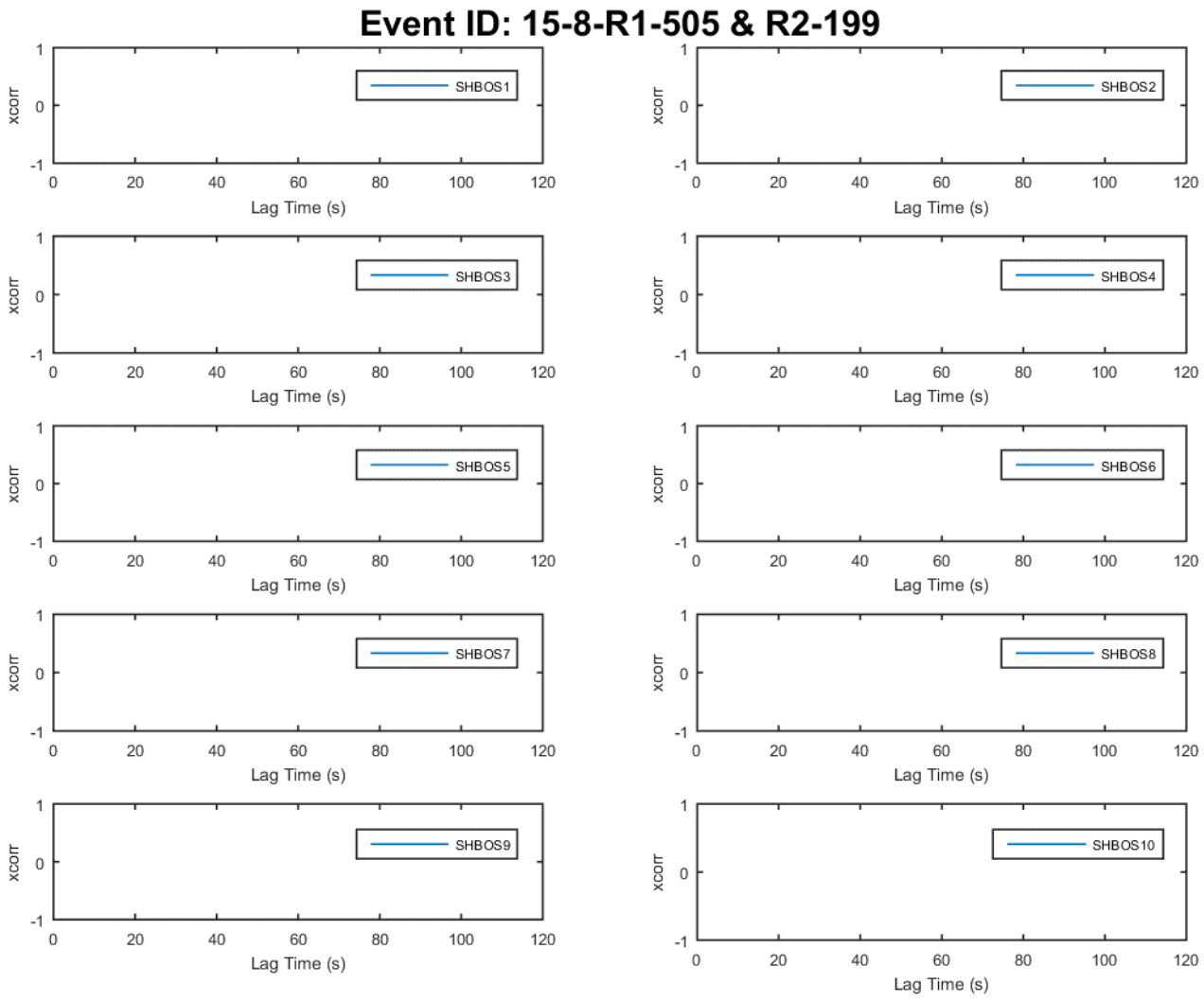


FIGURE 3.447: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-505 & R2-199

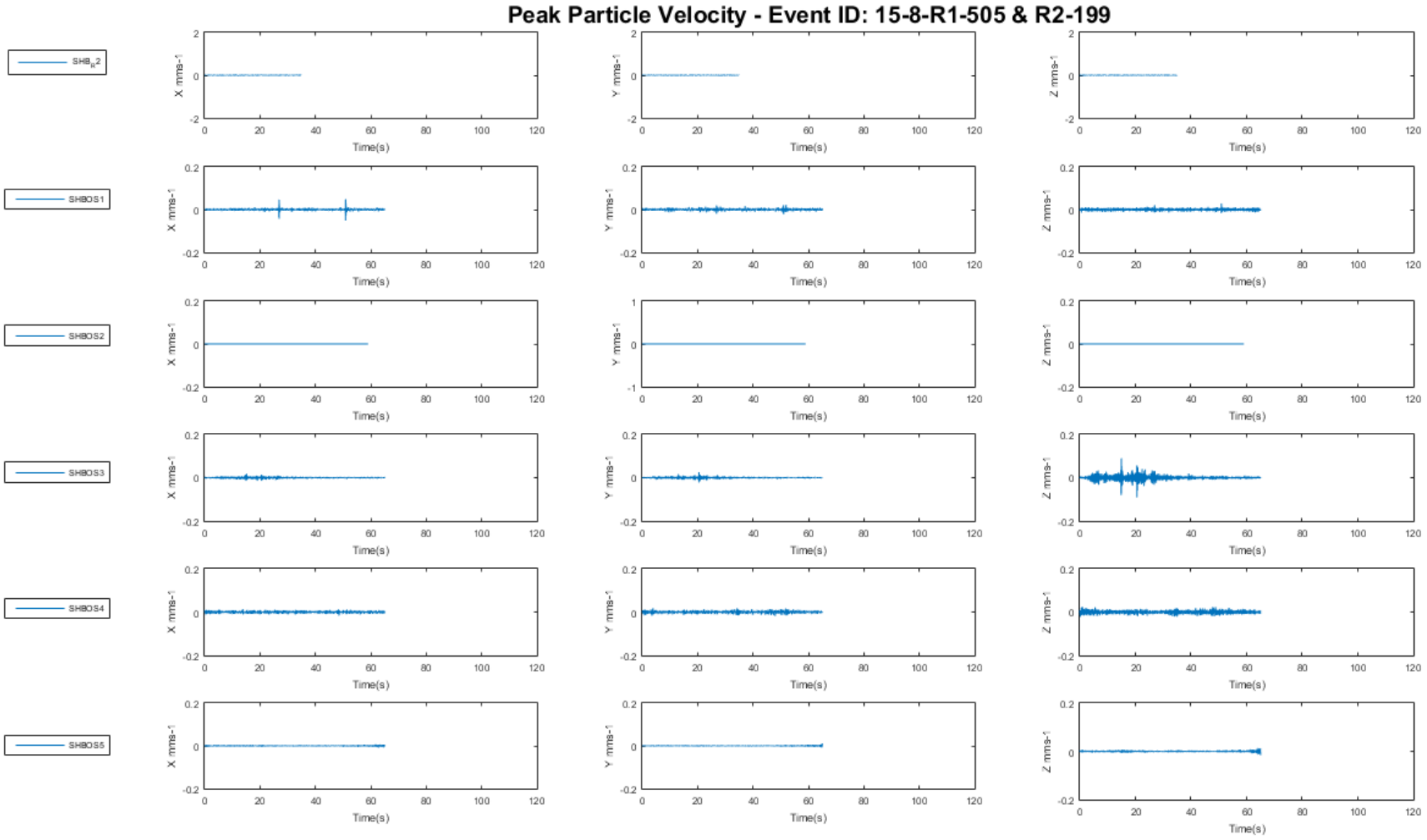


FIGURE 3.448: SHB_OS 1 - 5 15-8-R1-505 & R2-199

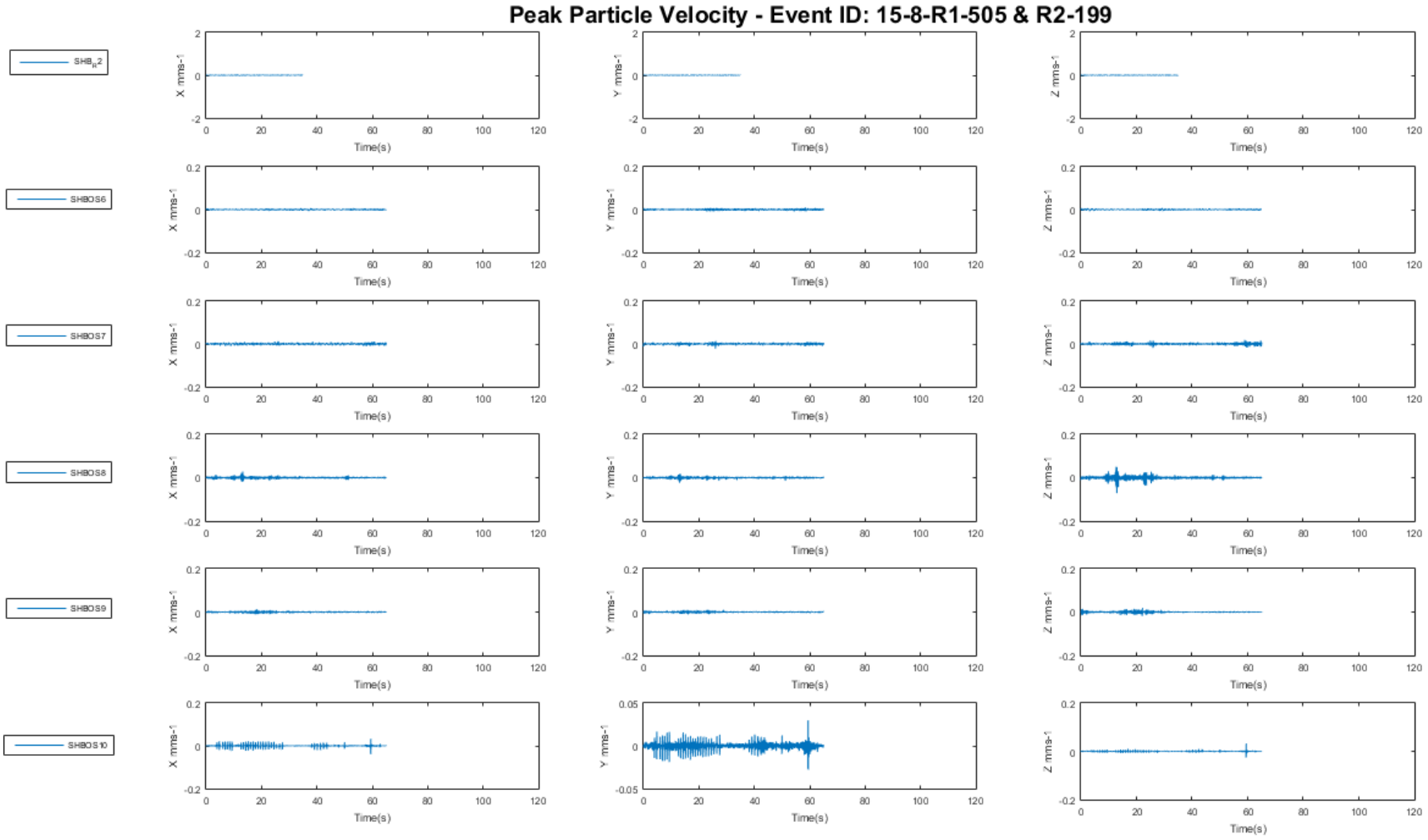


FIGURE 3.449: SHB_OS 6 - 10 15-8-R1-505 & R2-199

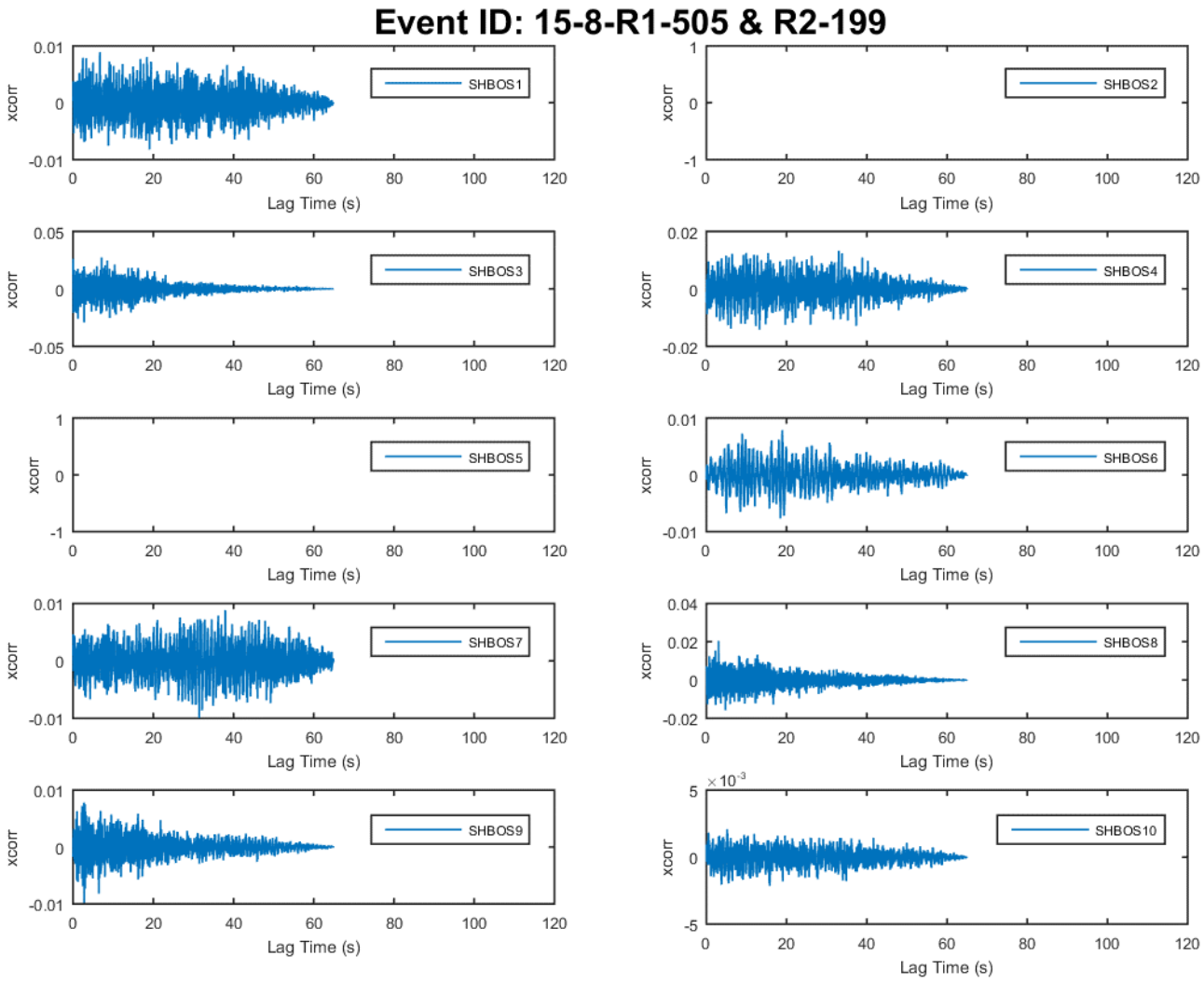


FIGURE 3.450: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-505 & R2-199

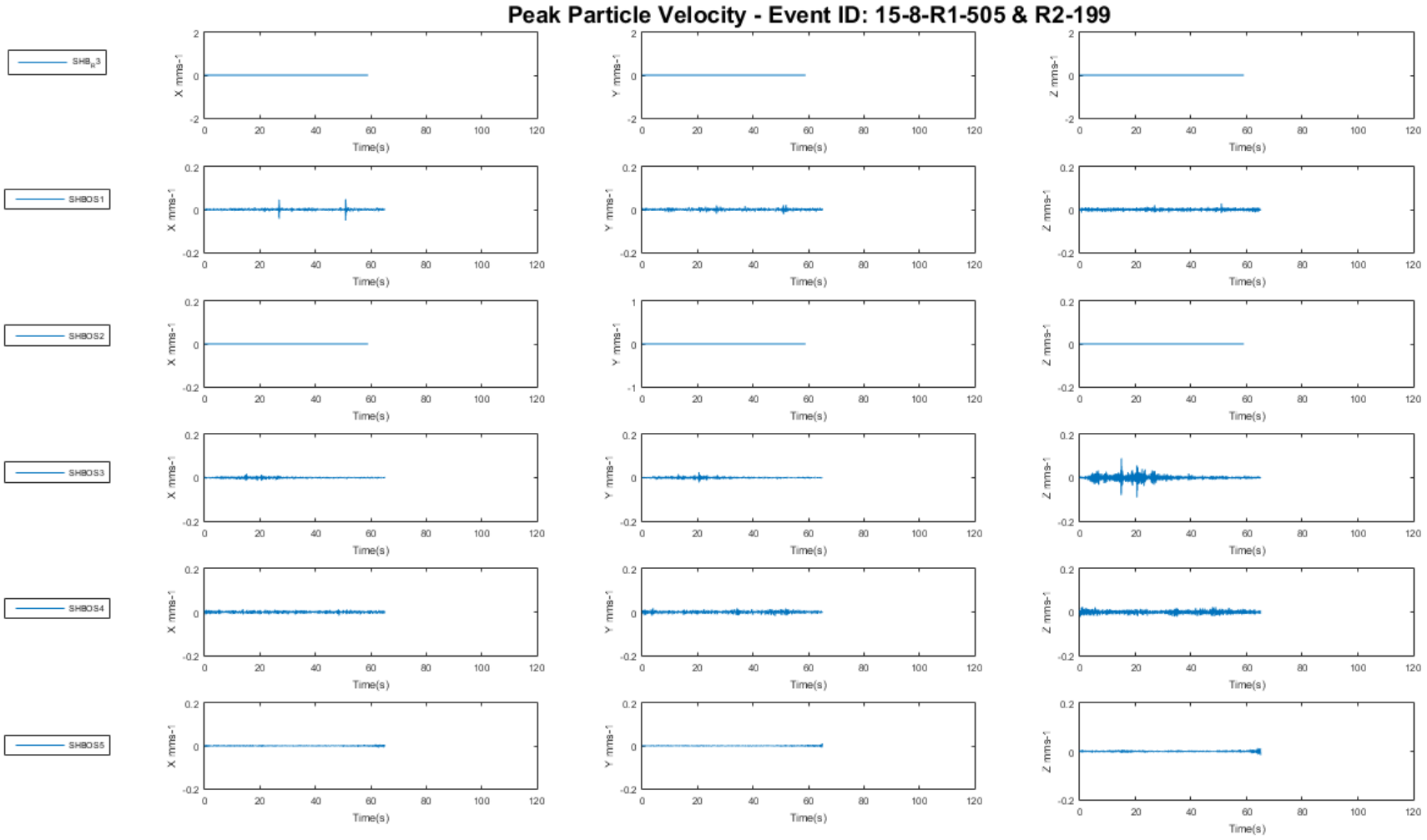


FIGURE 3.451: SHB_OS 1 - 5 15-8-R1-505 & R2-199

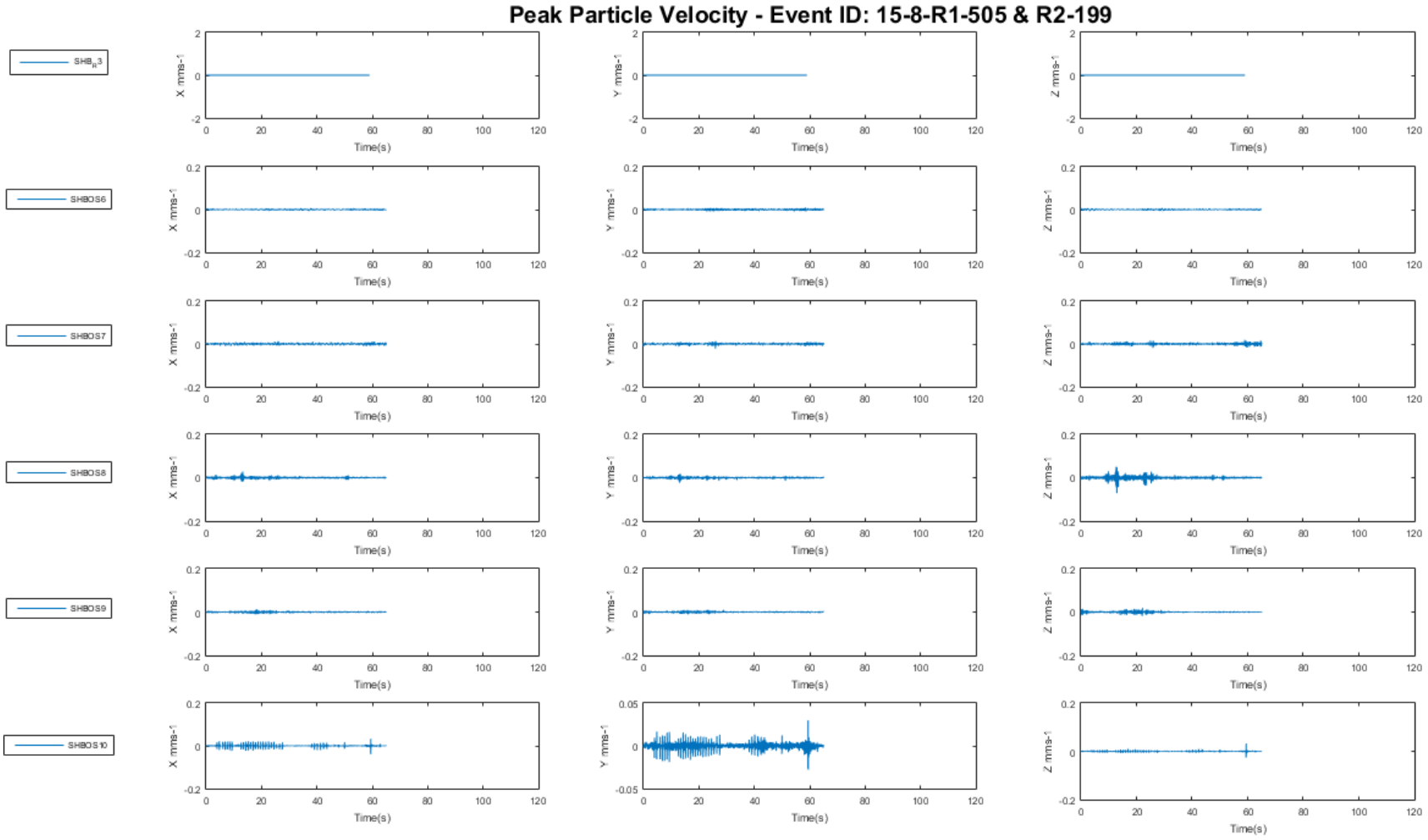


FIGURE 3.452: SHB_OS 6 - 10 15-8-R1-505 & R2-199

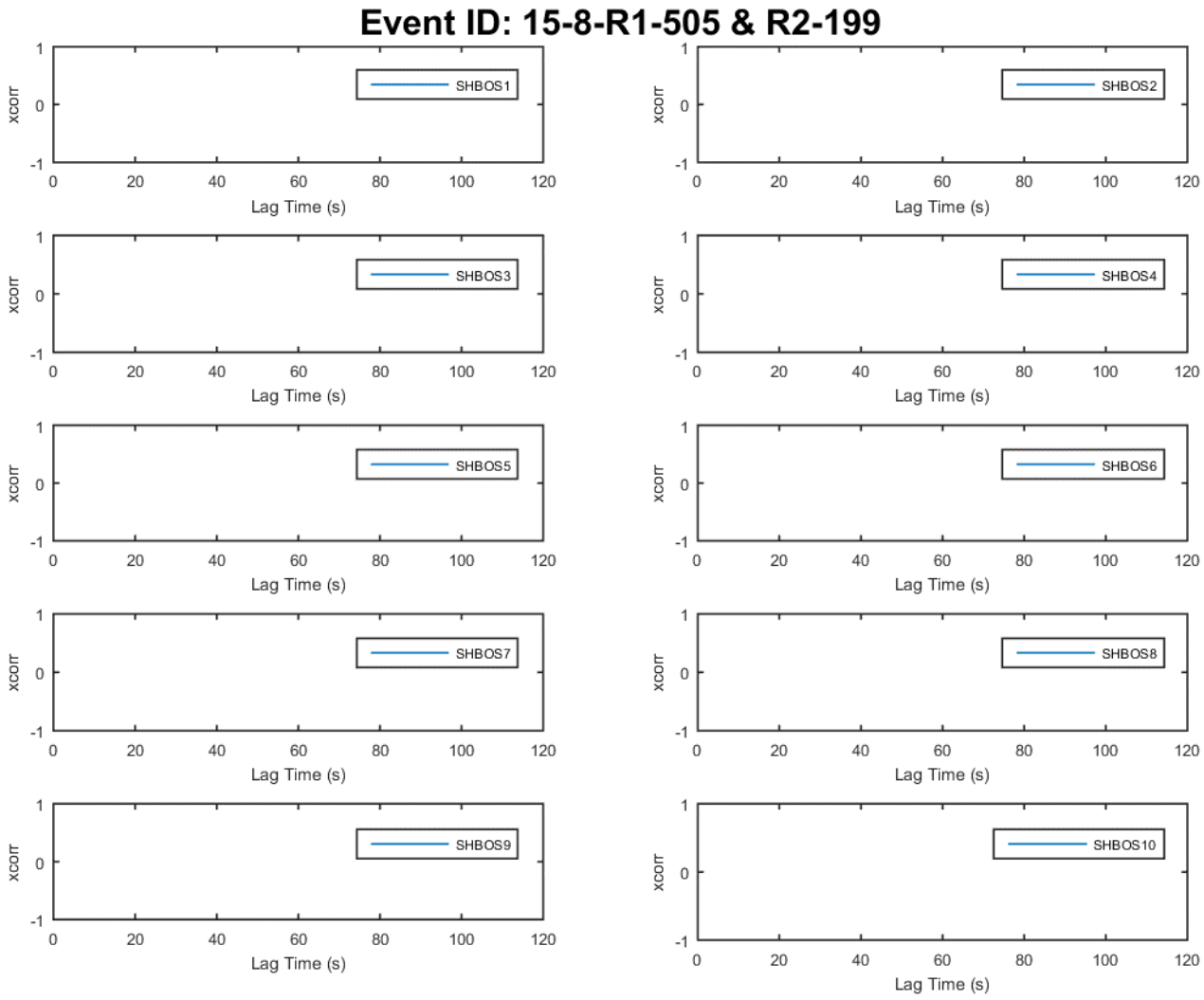


FIGURE 3.453: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-505 & R2-199

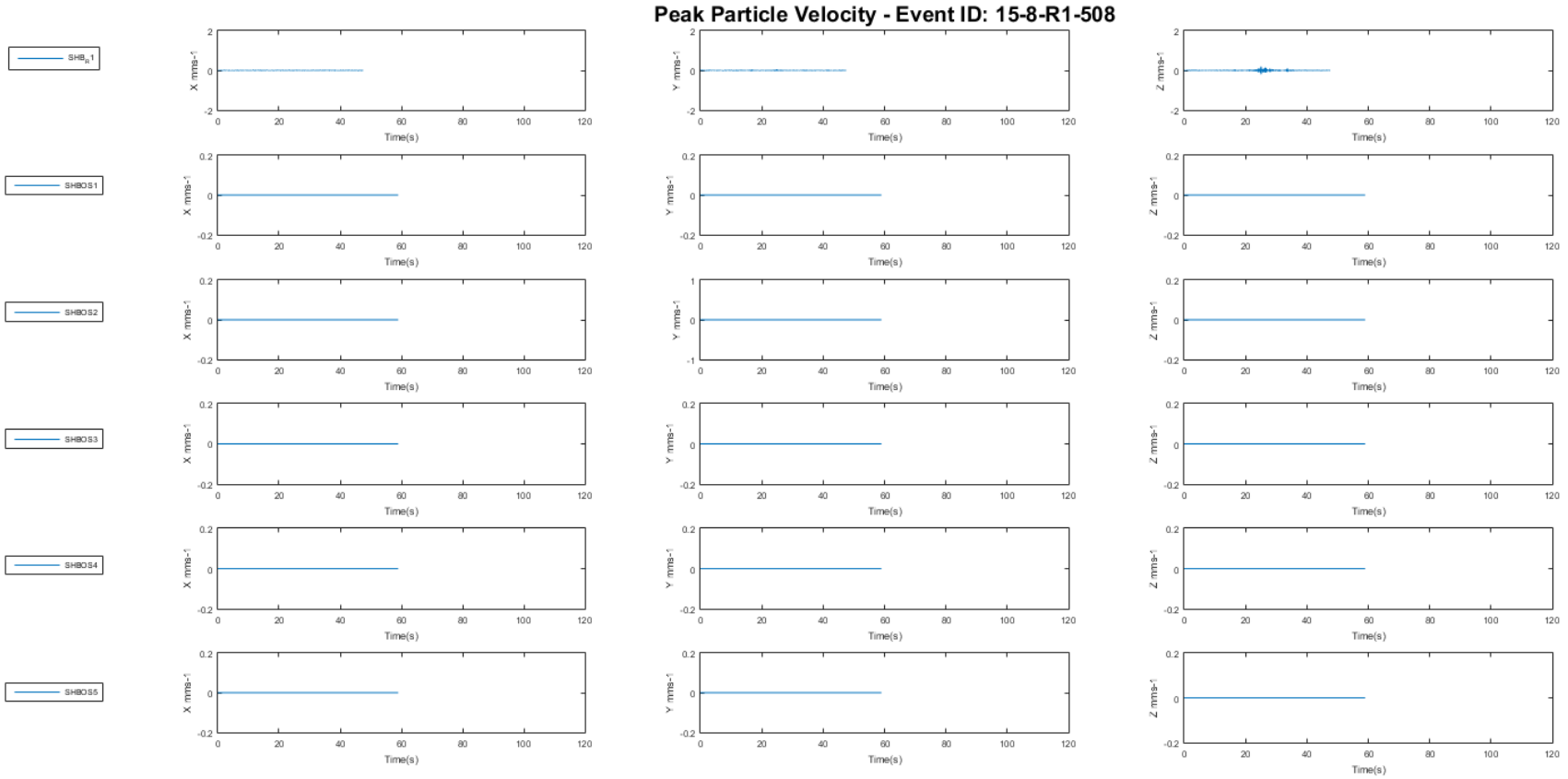


FIGURE 3.454: SHB_OS 1 - 5 15-8-R1-508

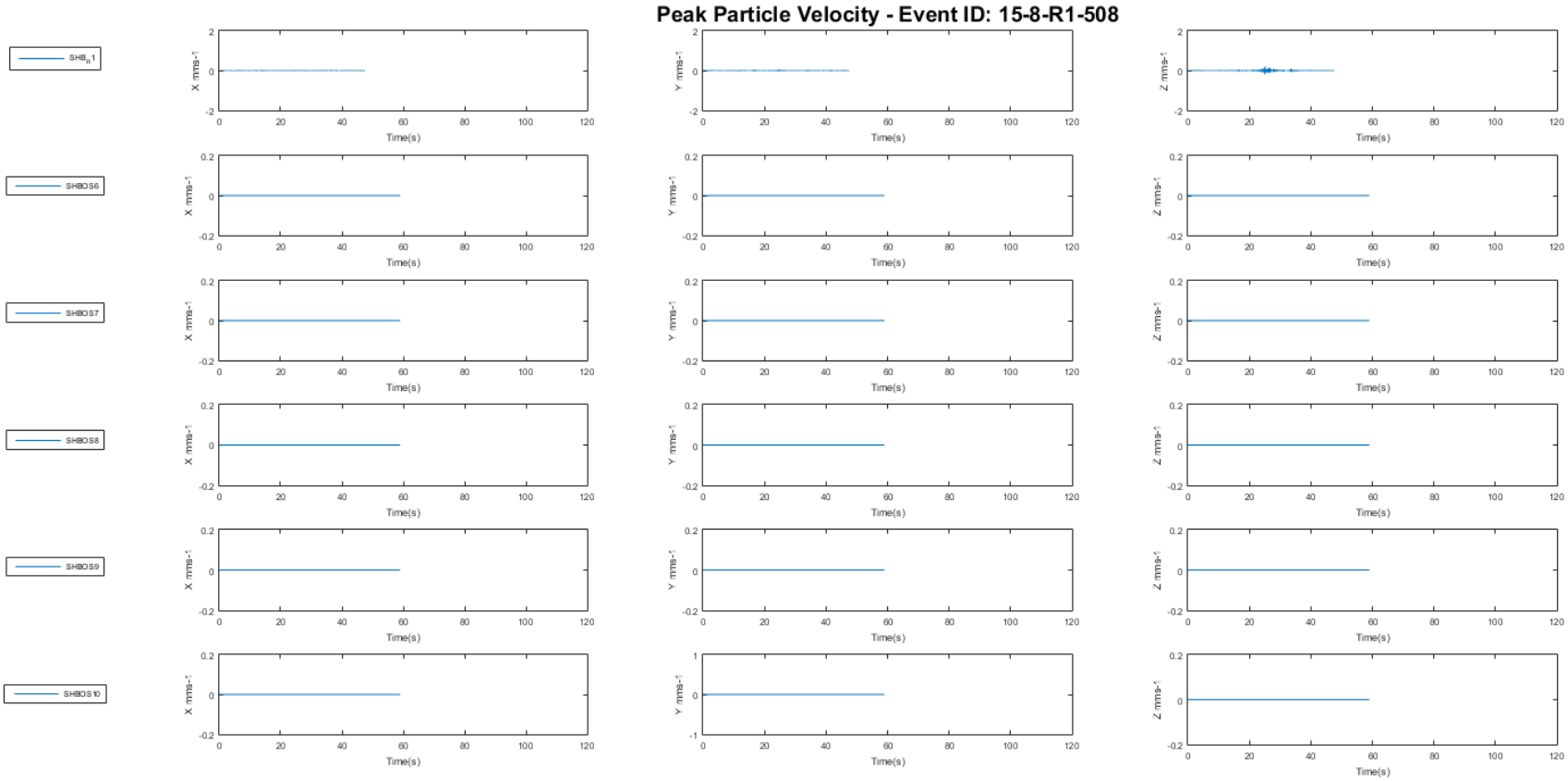


FIGURE 3.455: SHB_OS 6 - 10 15-8-R1-508

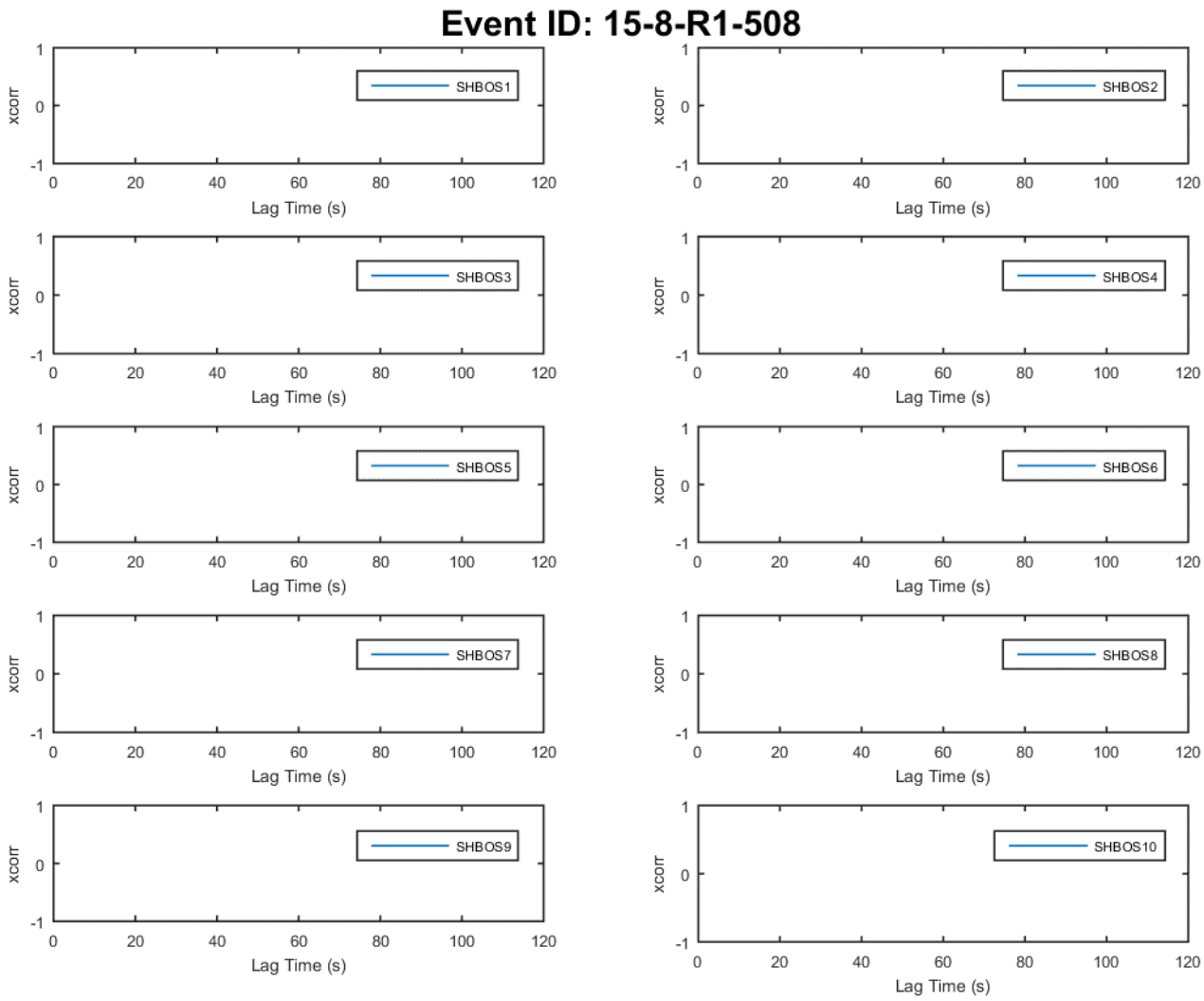


FIGURE 3.456: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-508

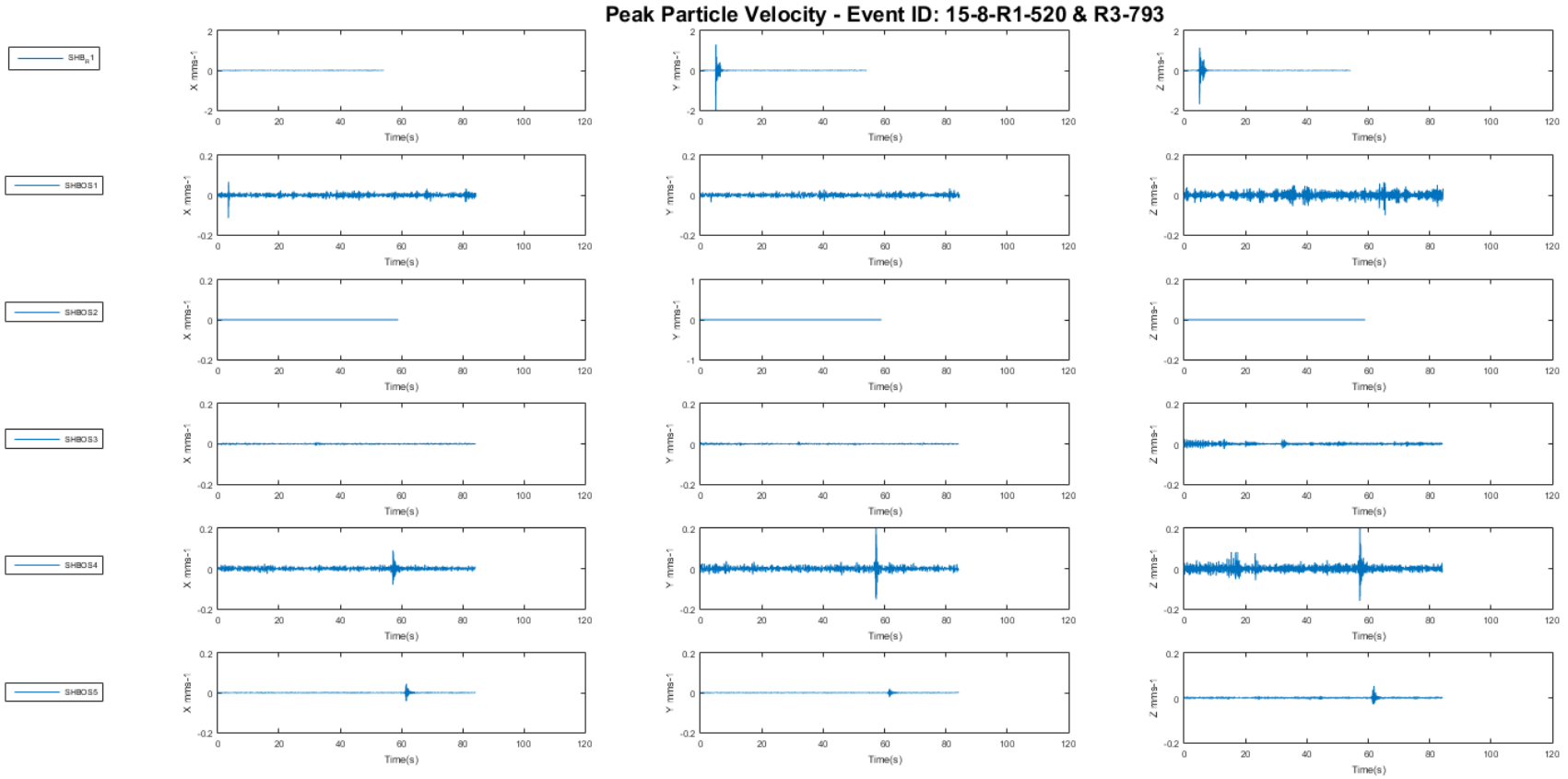


FIGURE 3.457: SHB_OS 1 - 5 15-8-R1-520 & R3-793

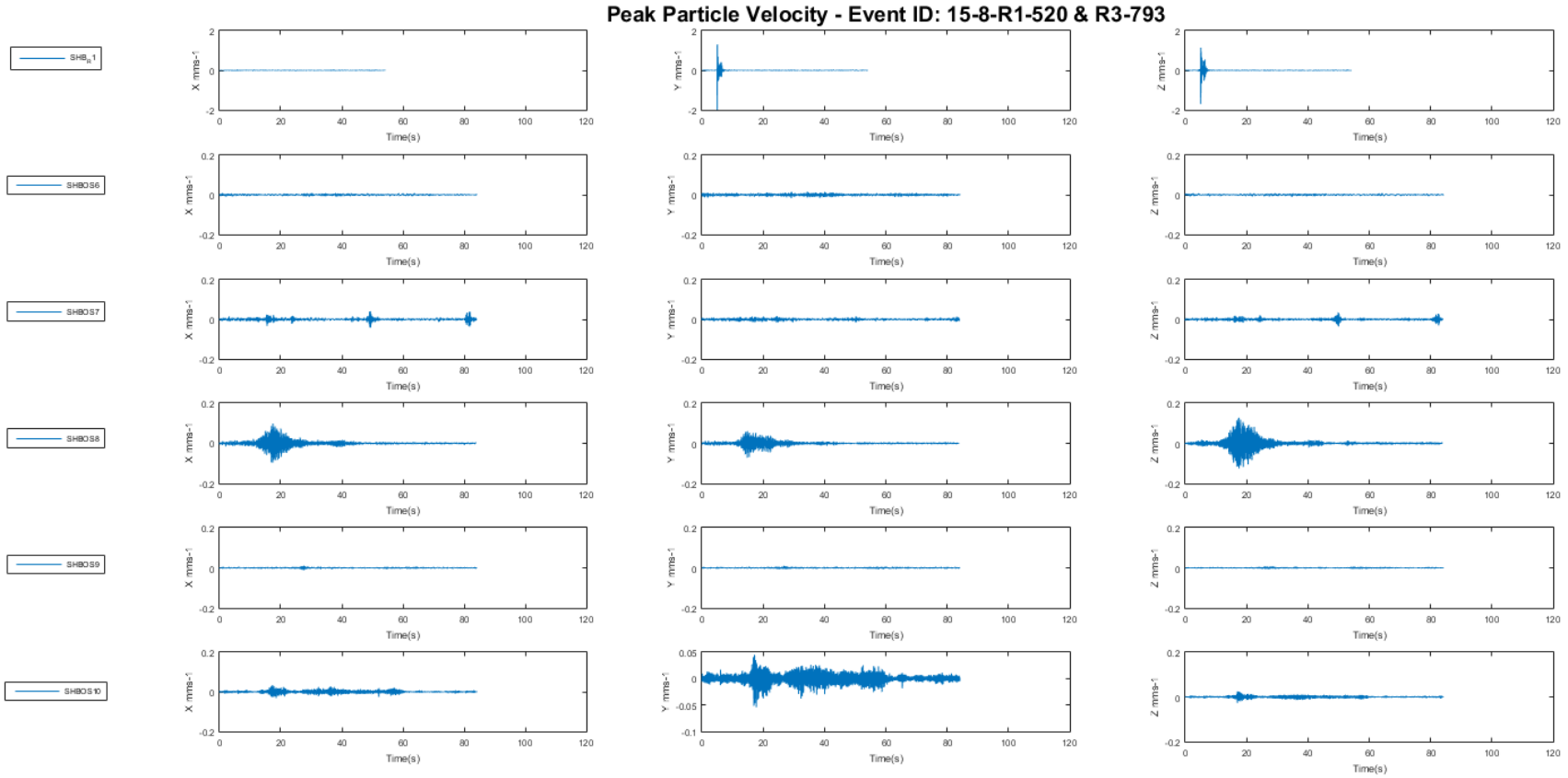


FIGURE 3.458: SHB_OS 6 - 10 15-8-R1-520 & R3-793

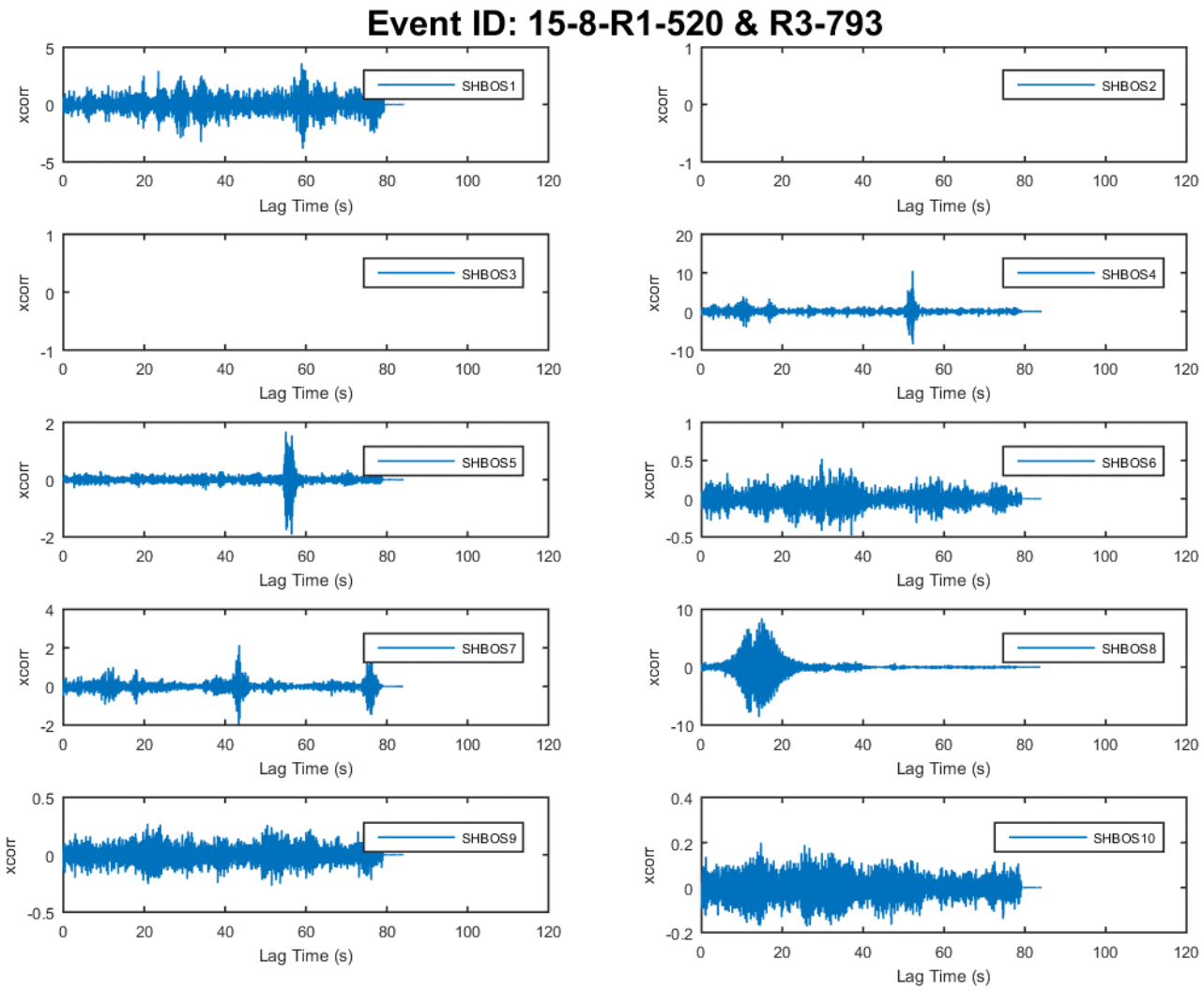


FIGURE 3.459: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-520 & R3-793

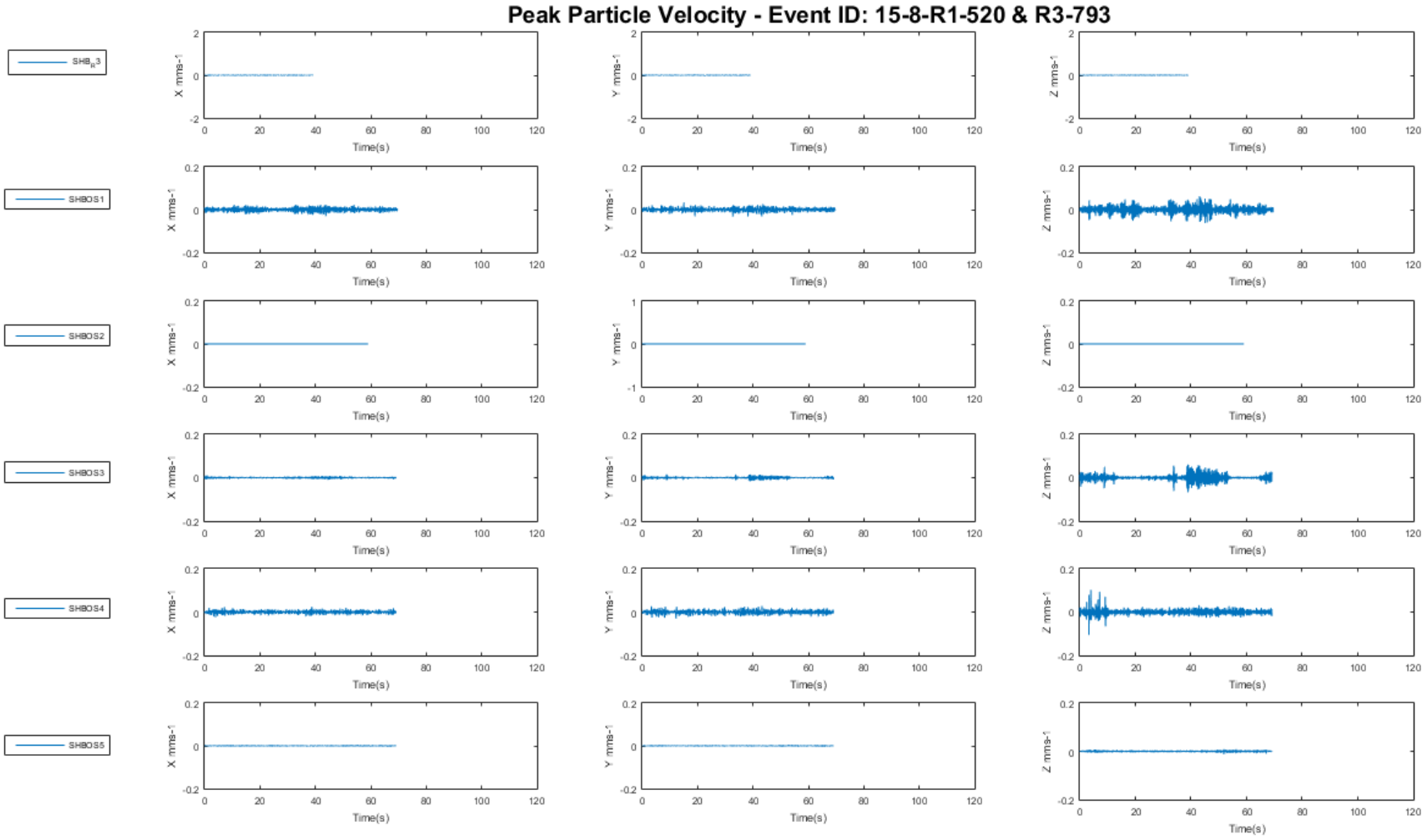


FIGURE 3.460: SHB_OS 1 - 5 15-8-R1-520 & R3-793

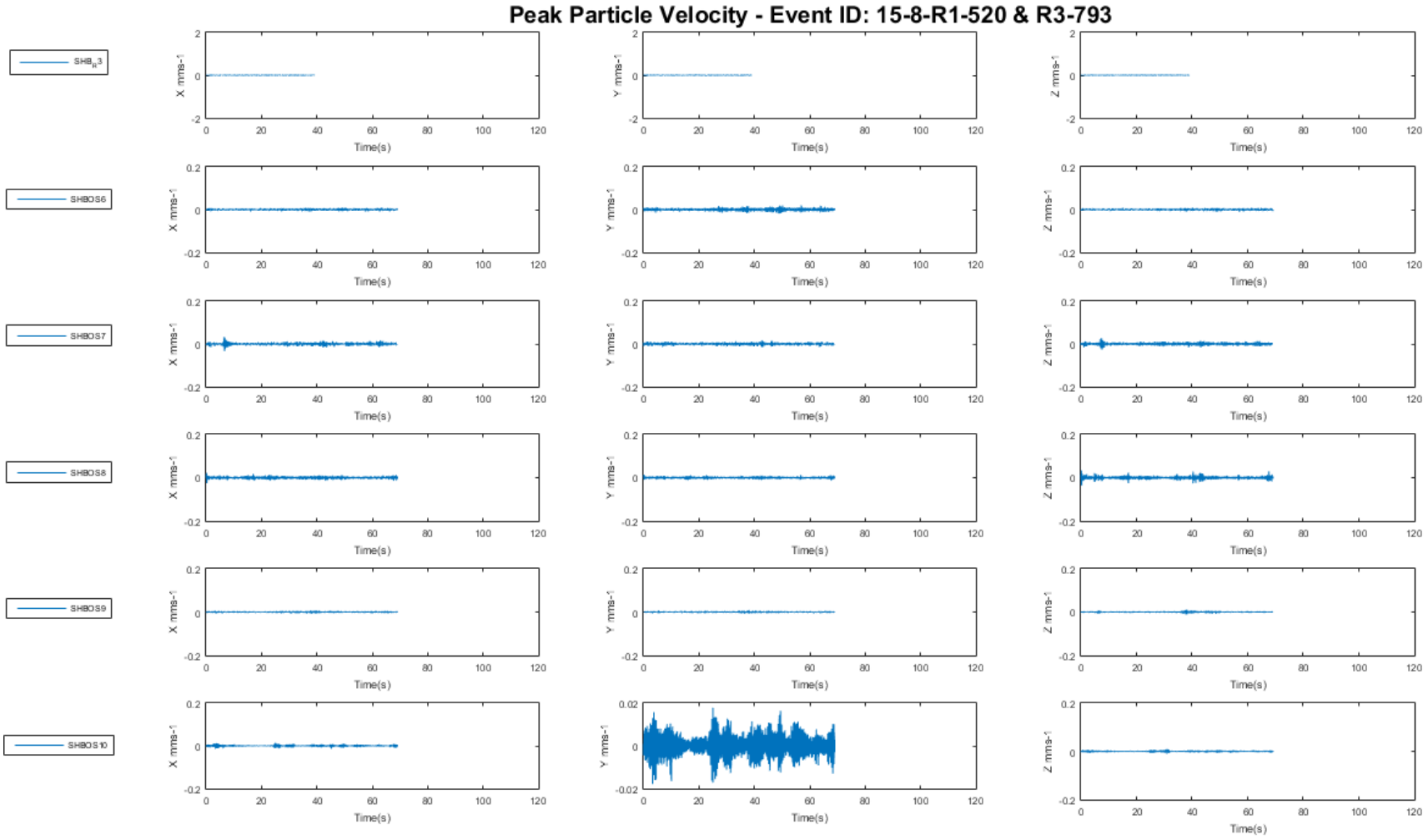


FIGURE 3.461: SHB_OS 6 - 10 15-8-R1-520 & R3-793

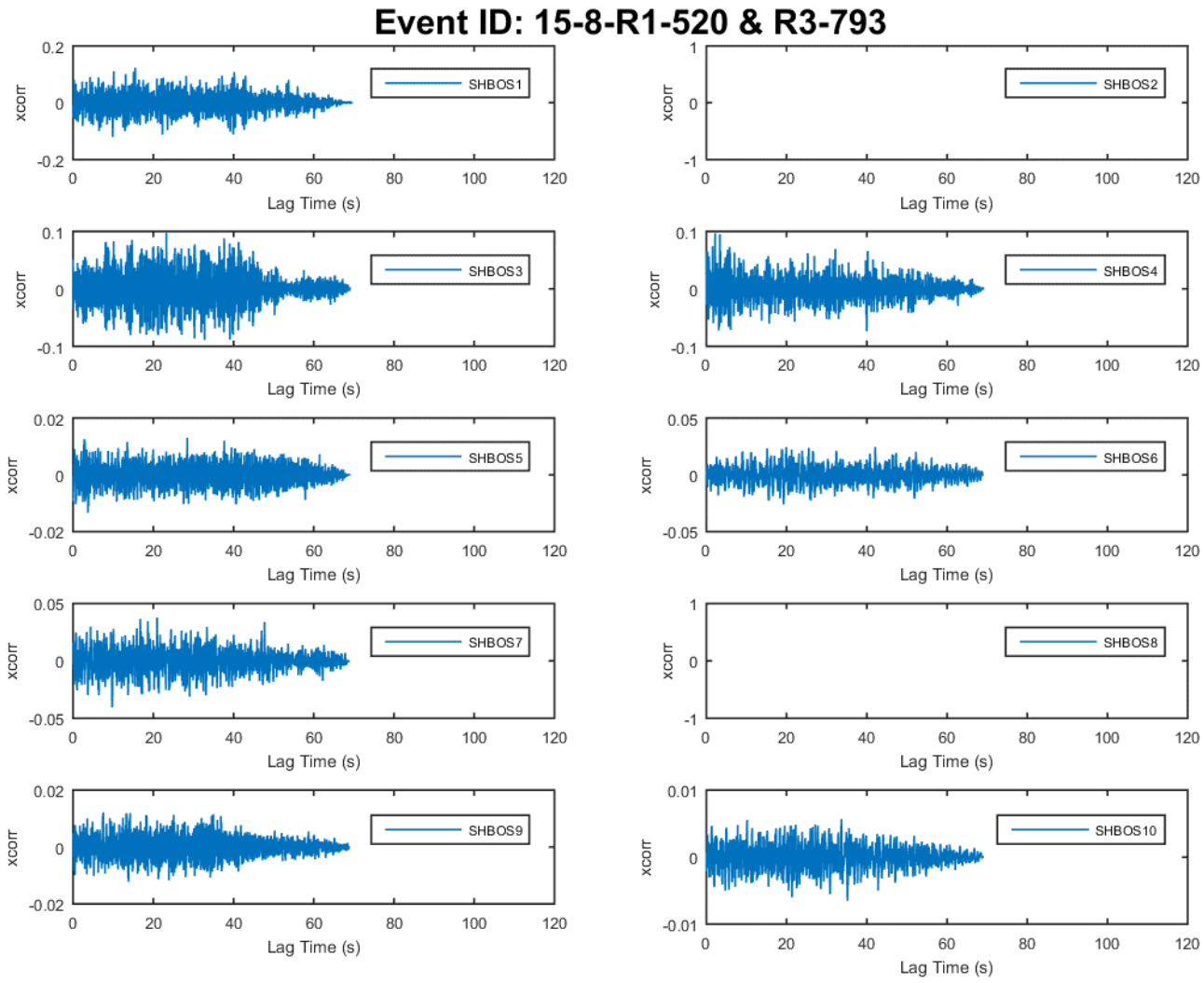


FIGURE 3.462: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-520 & R3-793

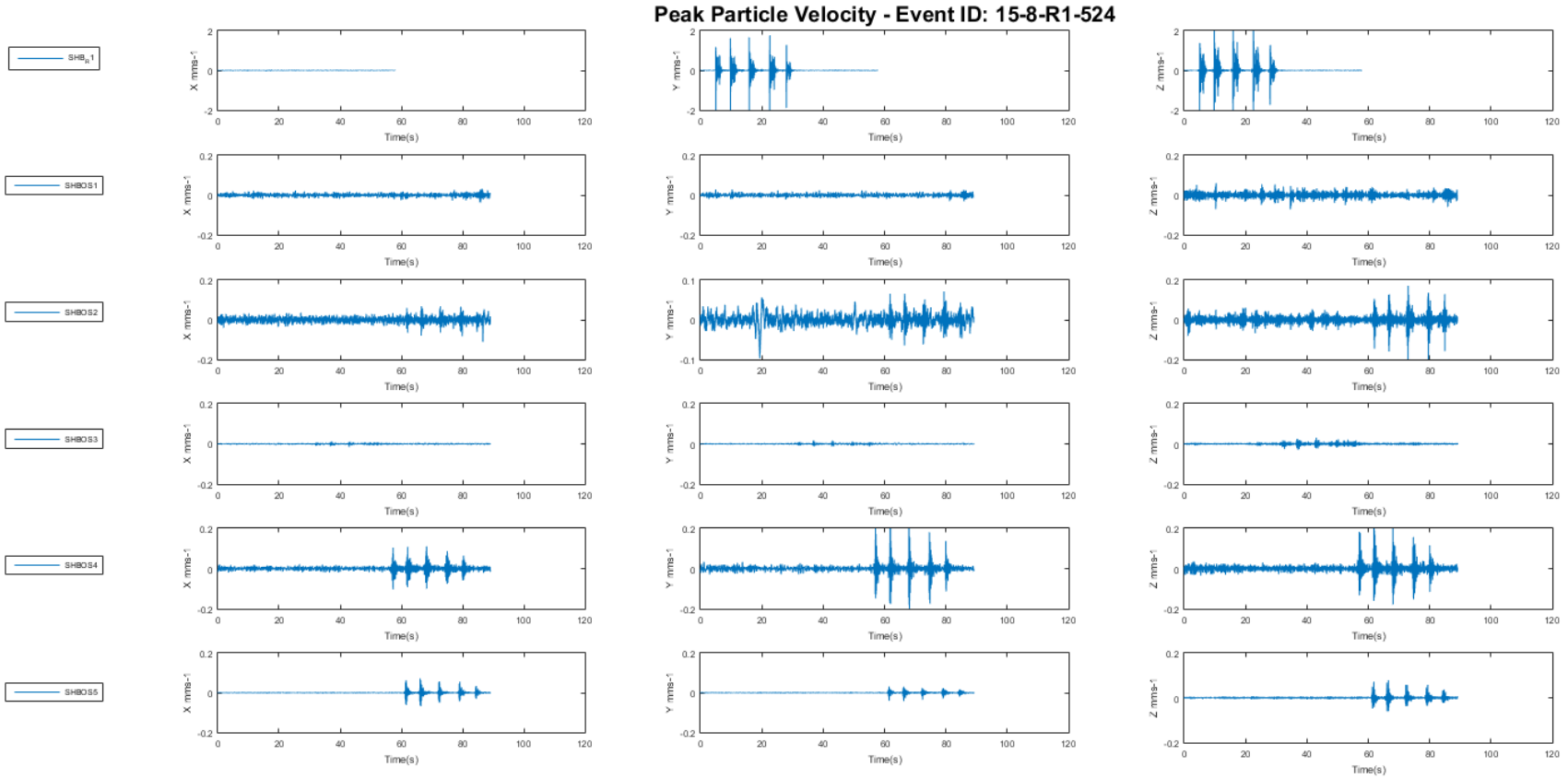


FIGURE 3.463: SHB_OS 1 - 5 15-8-R1-524

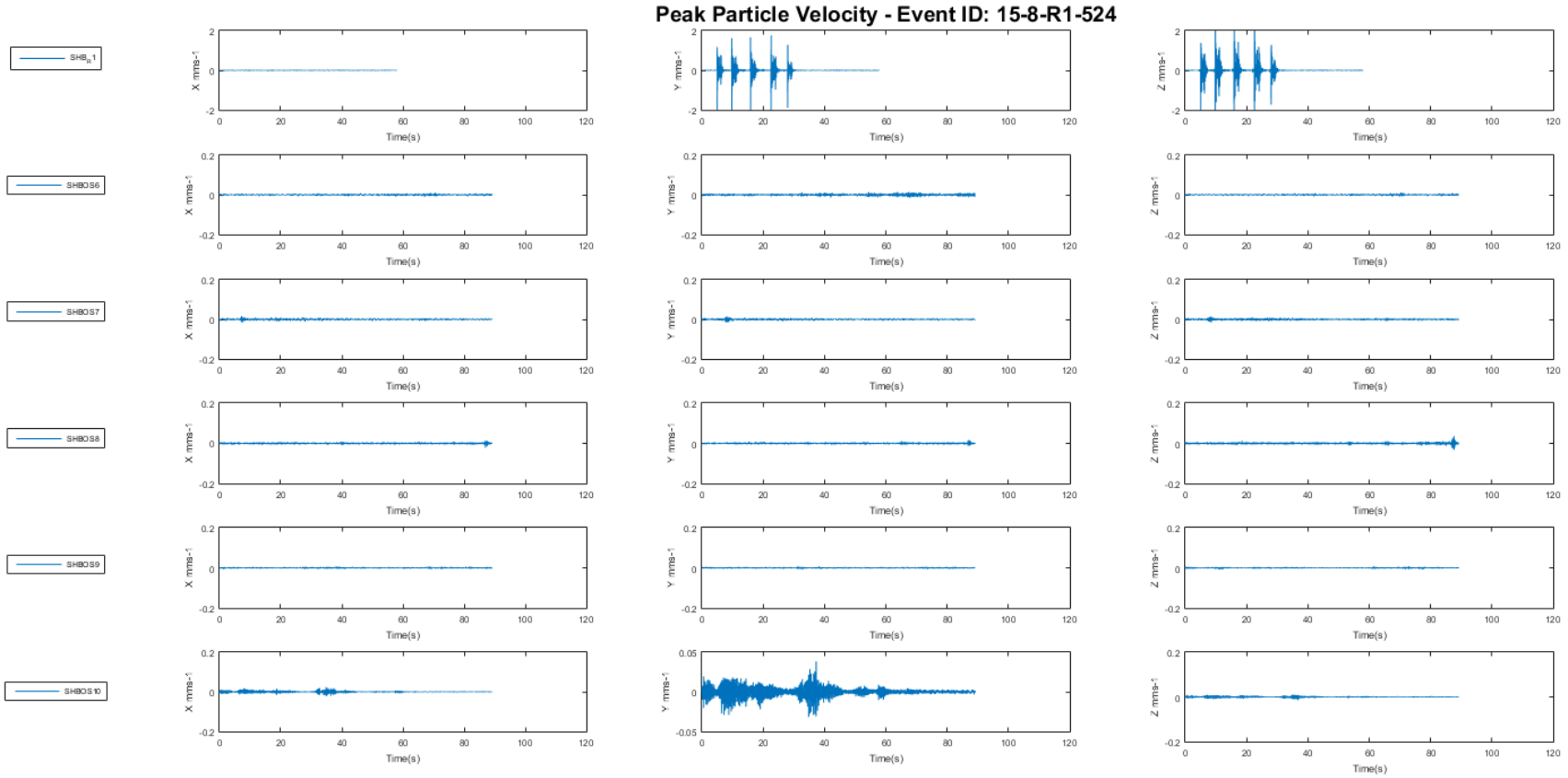


FIGURE 3.464: SHB_OS 6 - 10 15-8-R1-524

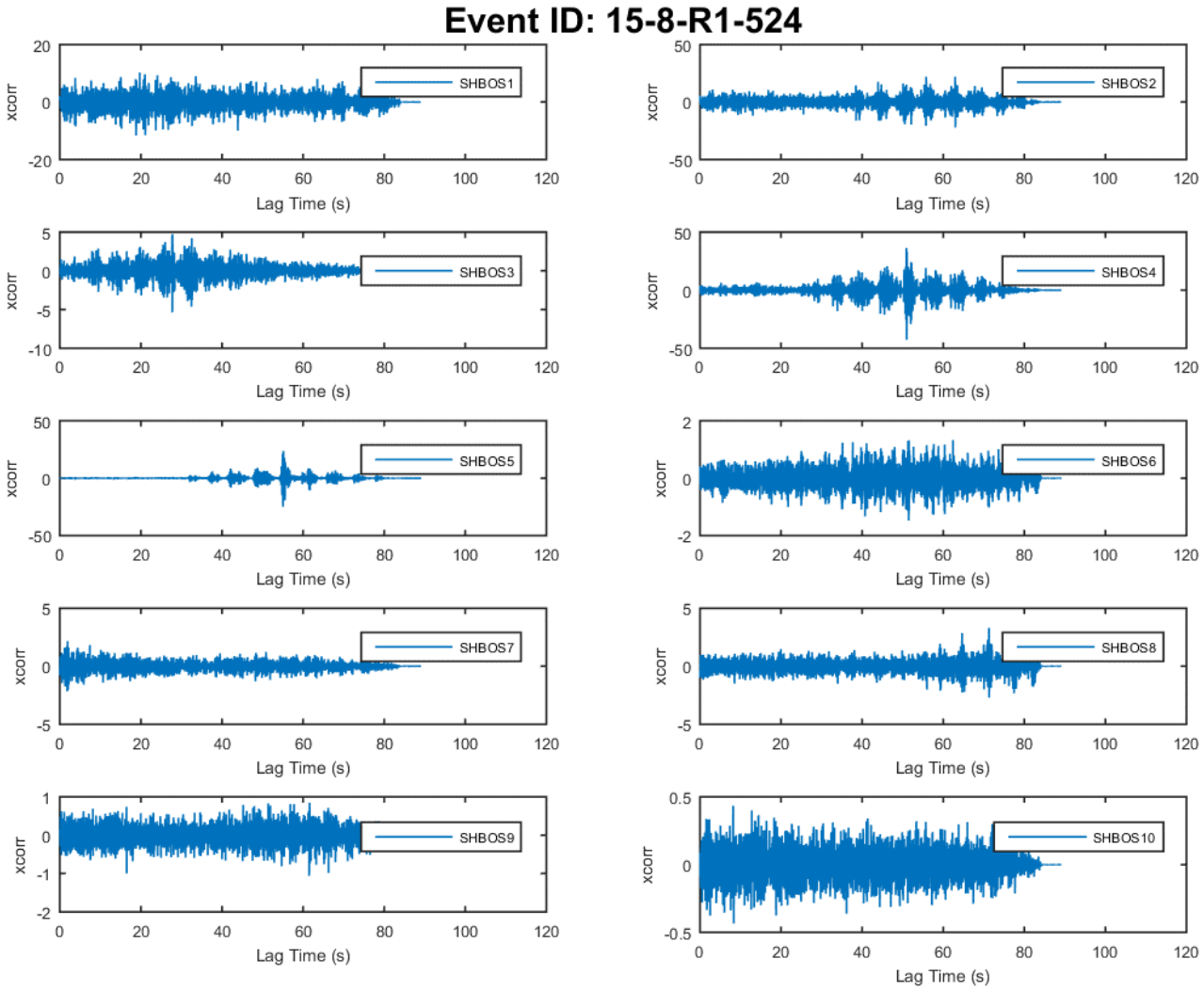


FIGURE 3.465: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-524

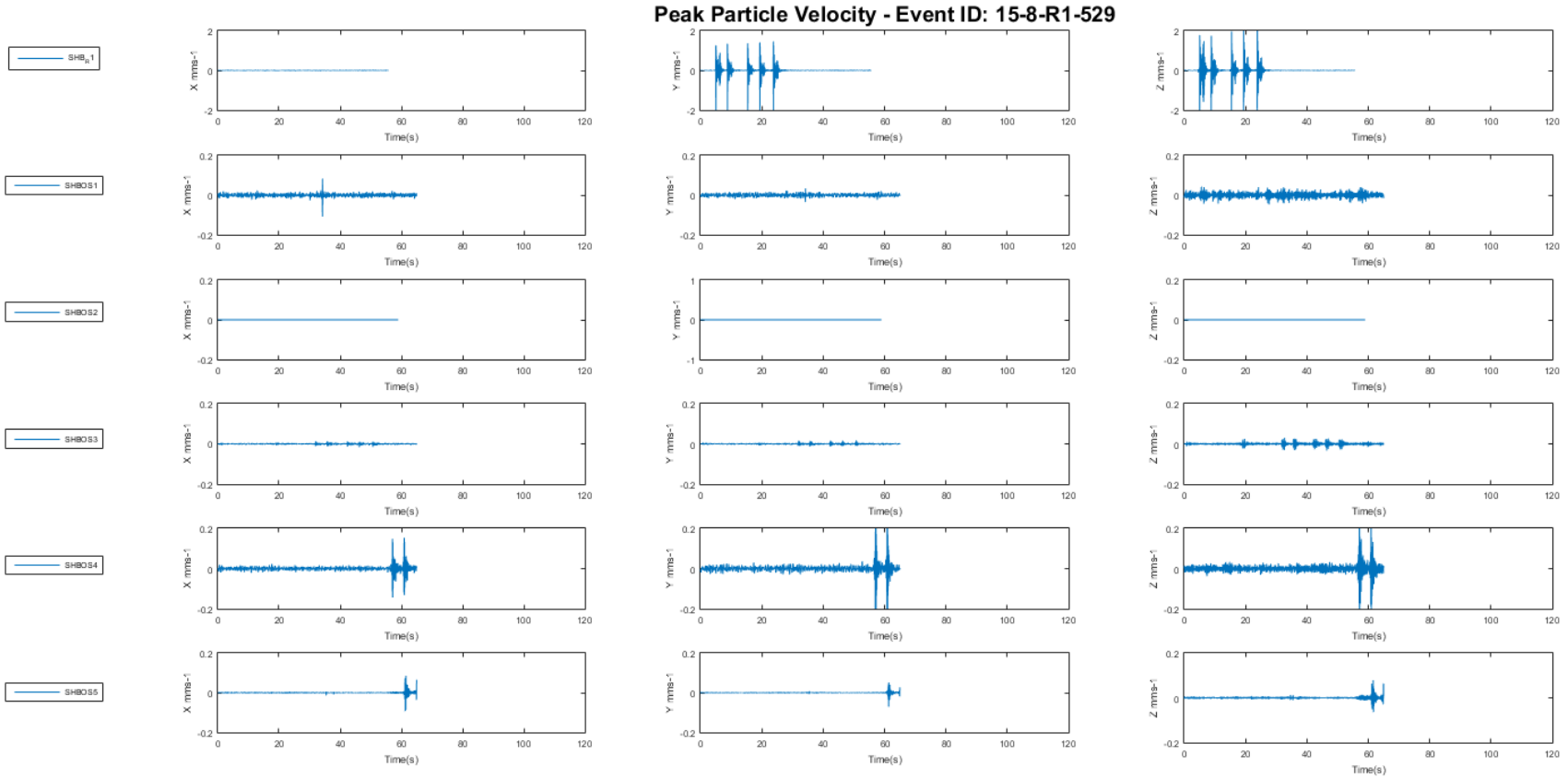


FIGURE 3.466: SHB_OS 1 - 5 15-8-R1-529

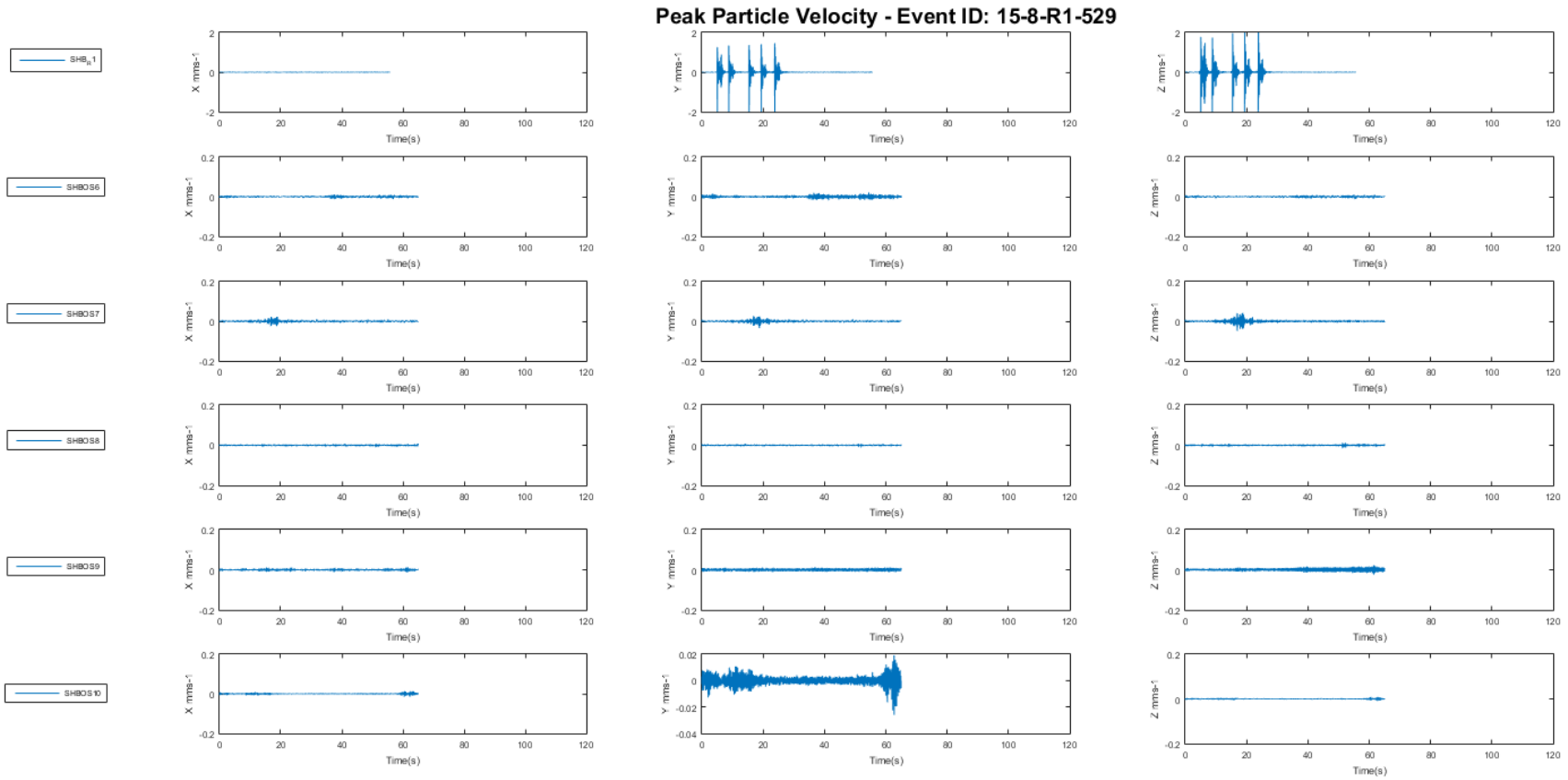


FIGURE 3.467: SHB_OS 6 - 10 15-8-R1-529

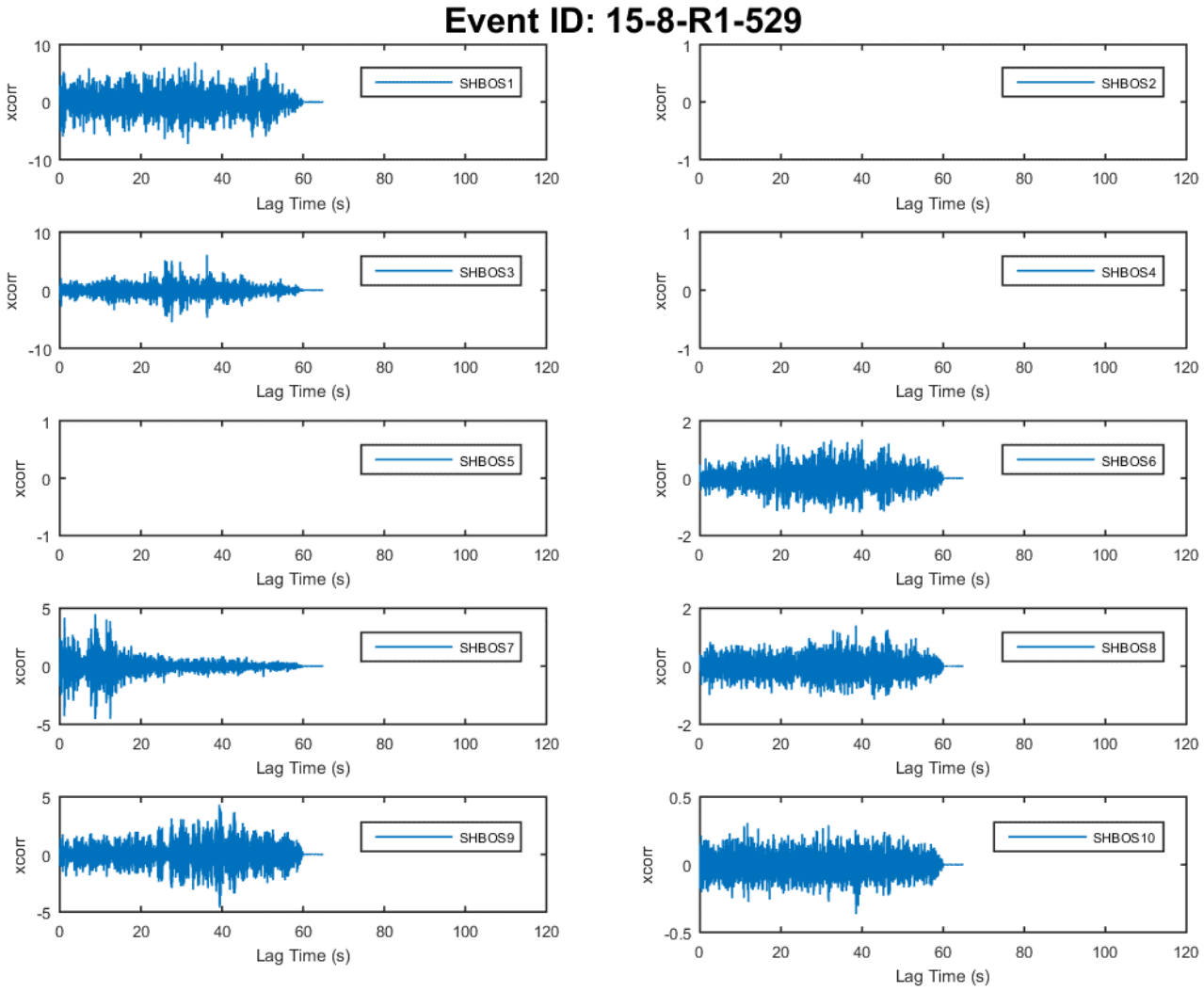


FIGURE 3.468: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-529

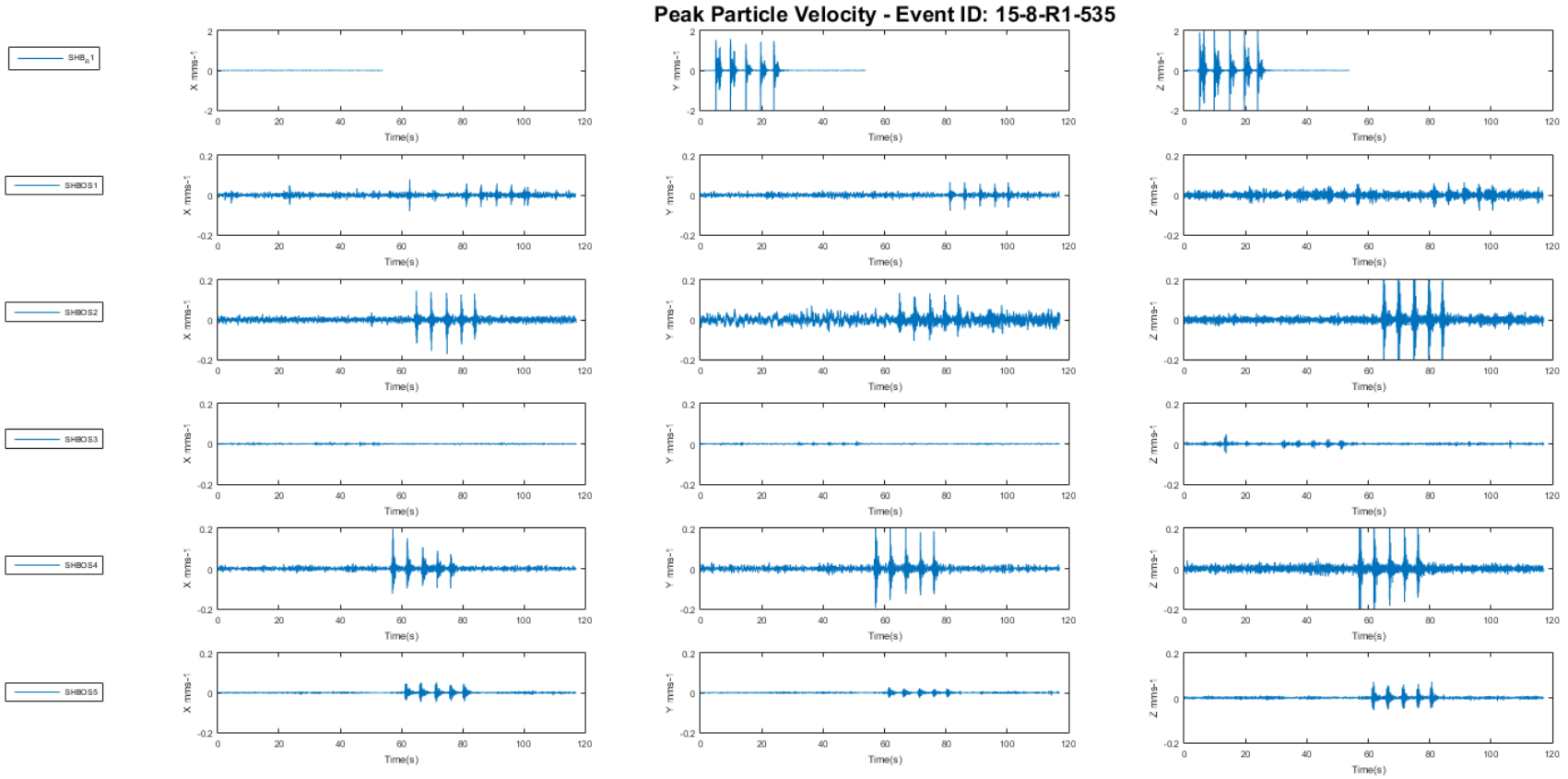


FIGURE 3.469: SHB_OS 1 - 5 15-8-R1-535

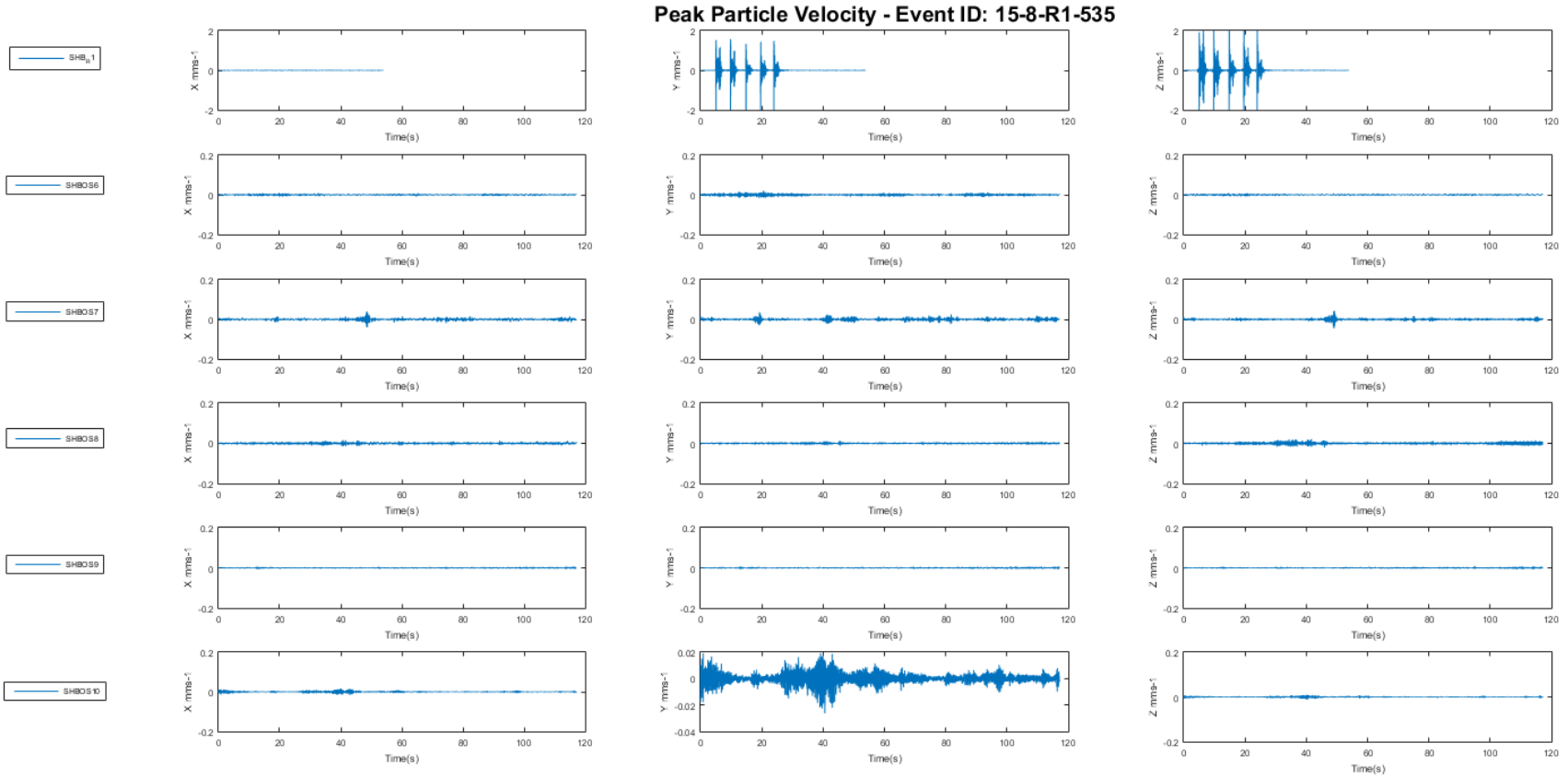


FIGURE 3.470: SHB_OS 6 - 10 15-8-R1-535

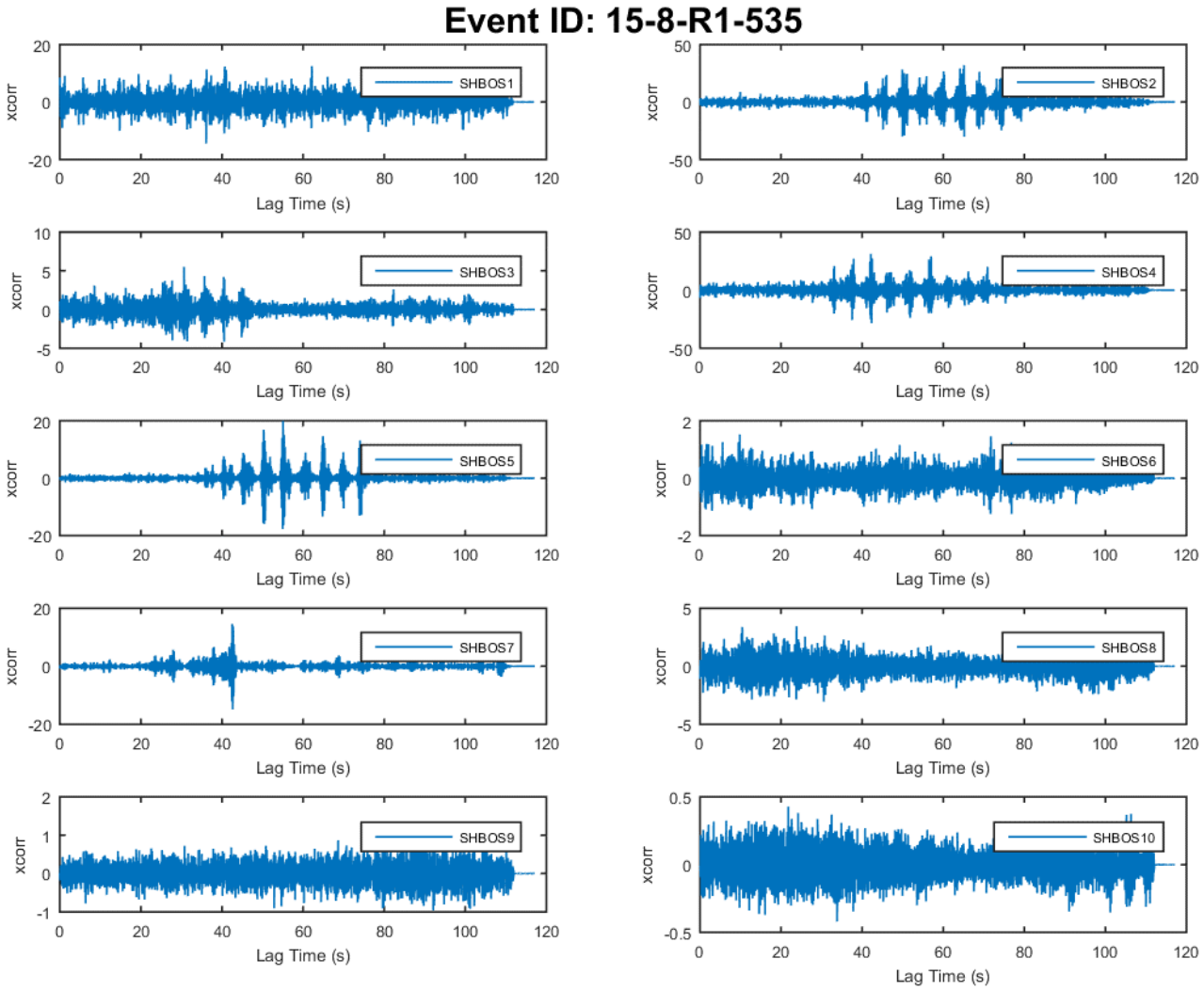


FIGURE 3.471: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-535

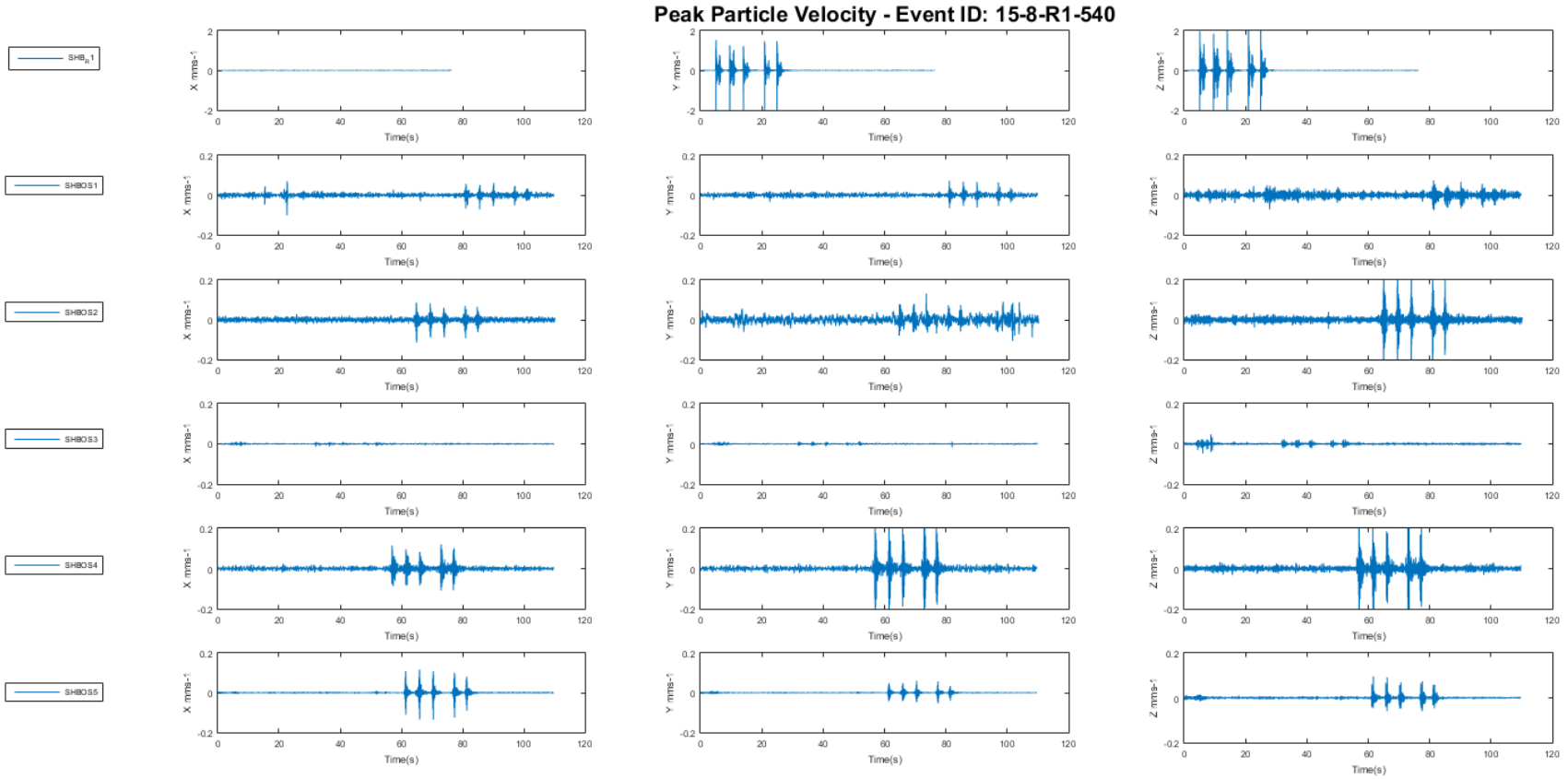


FIGURE 3.472: SHB_OS 1 - 5 15-8-R1-540

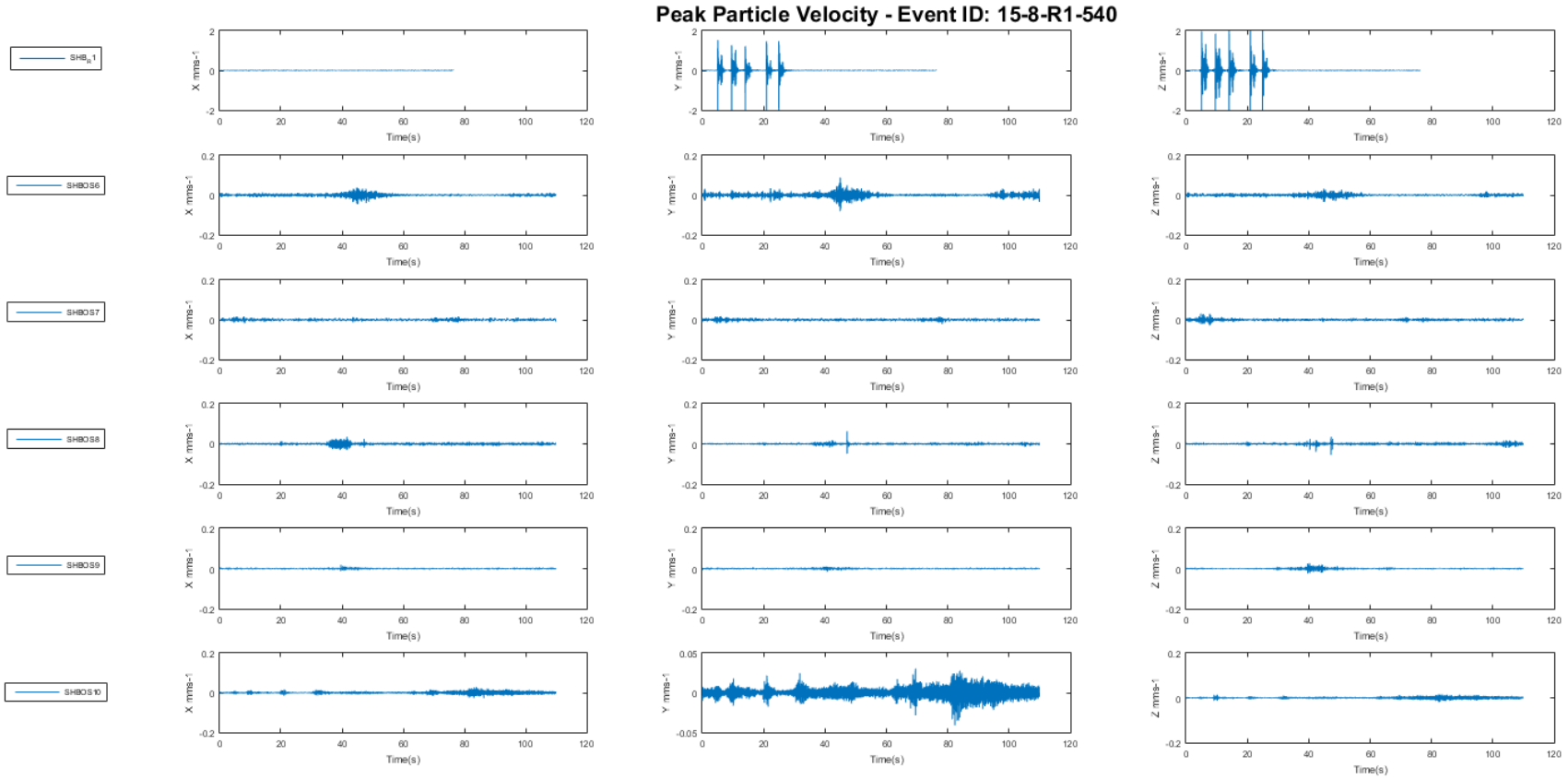


FIGURE 3.473: SHB_OS 6 - 10 15-8-R1-540

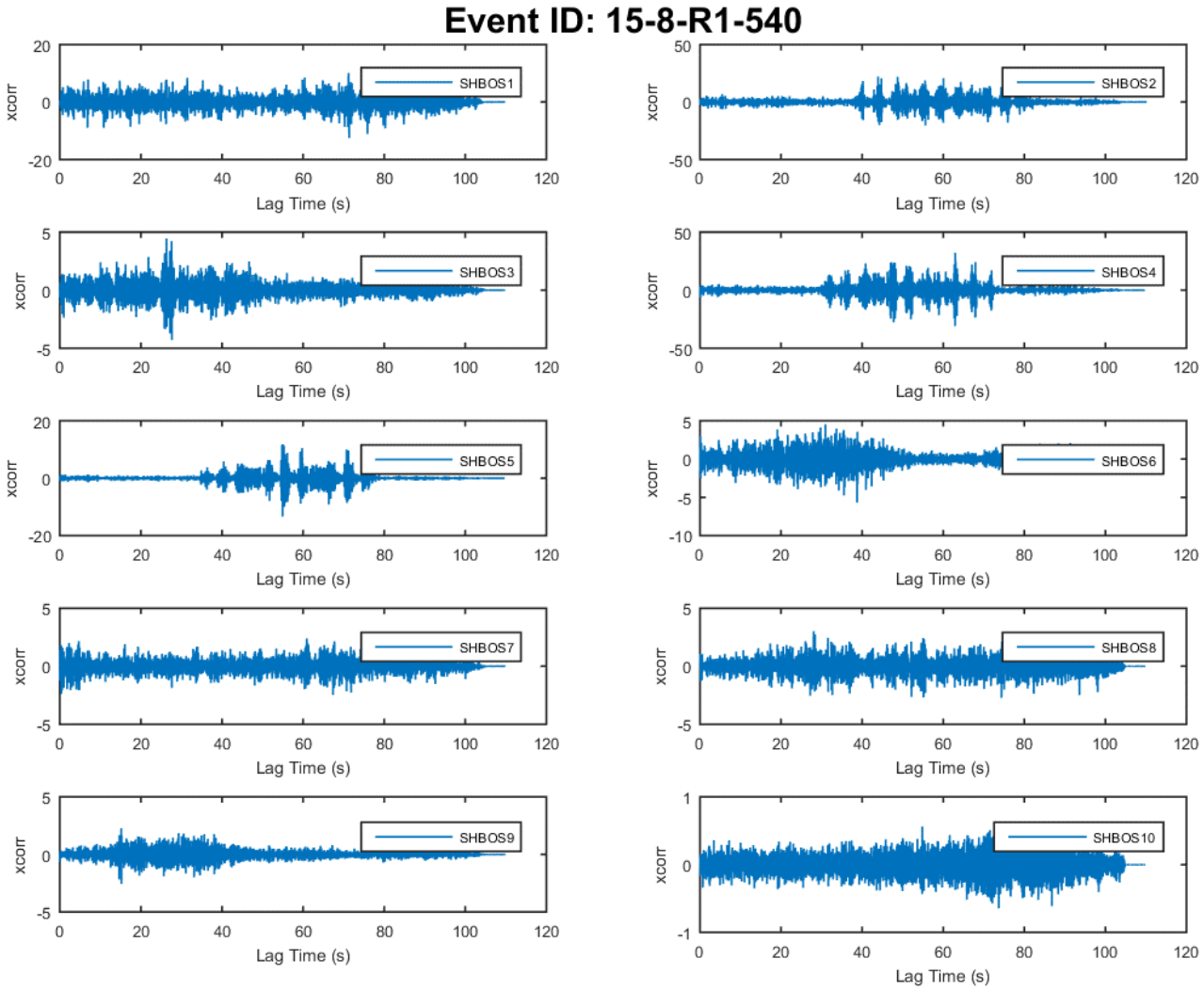


FIGURE 3.474: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-540

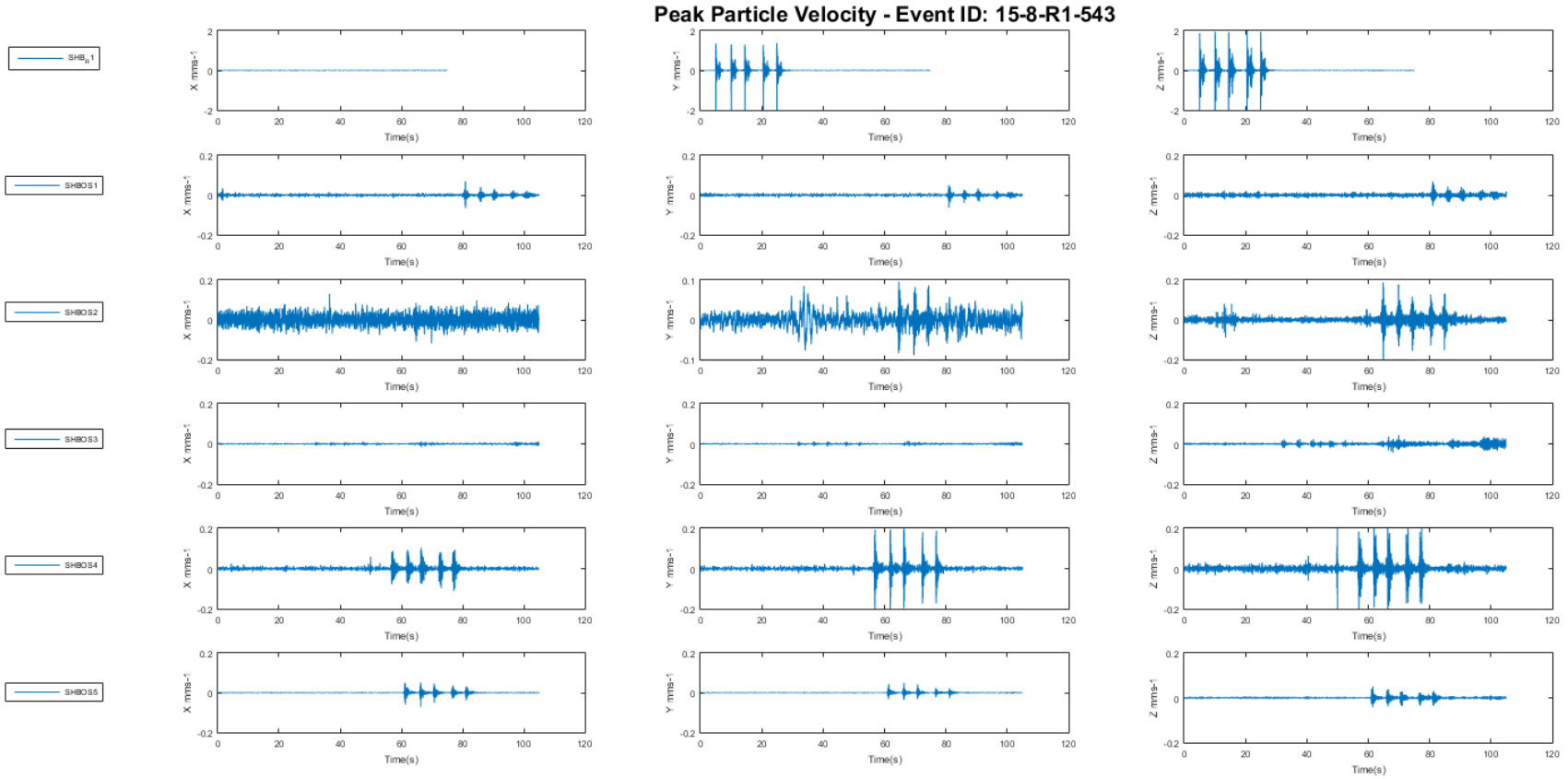


FIGURE 3.475: SHB_OS 1 - 5 15-8-R1-543

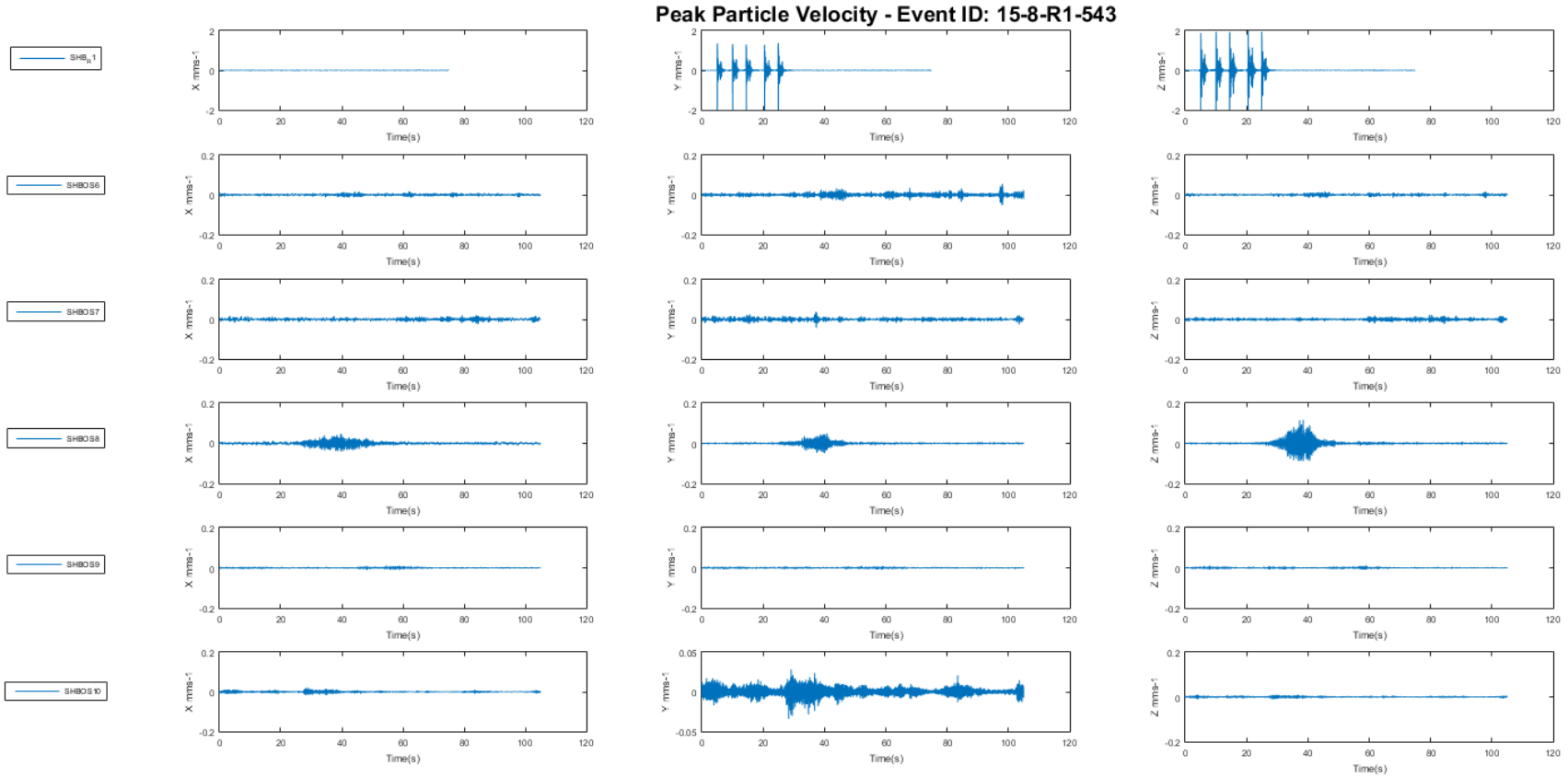


FIGURE 3.476: SHB_OS 6 - 10 15-8-R1-543

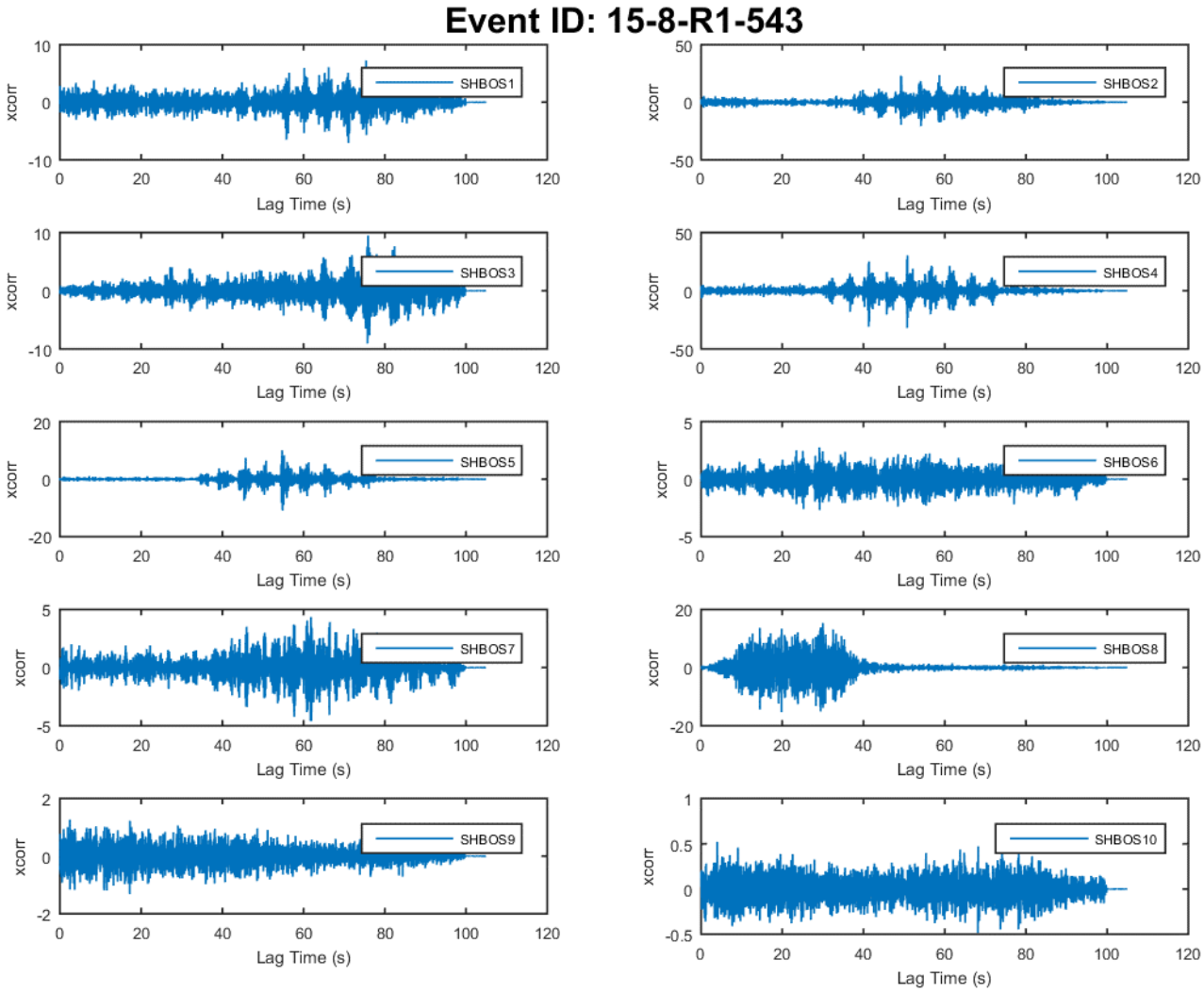


FIGURE 3.477: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-543

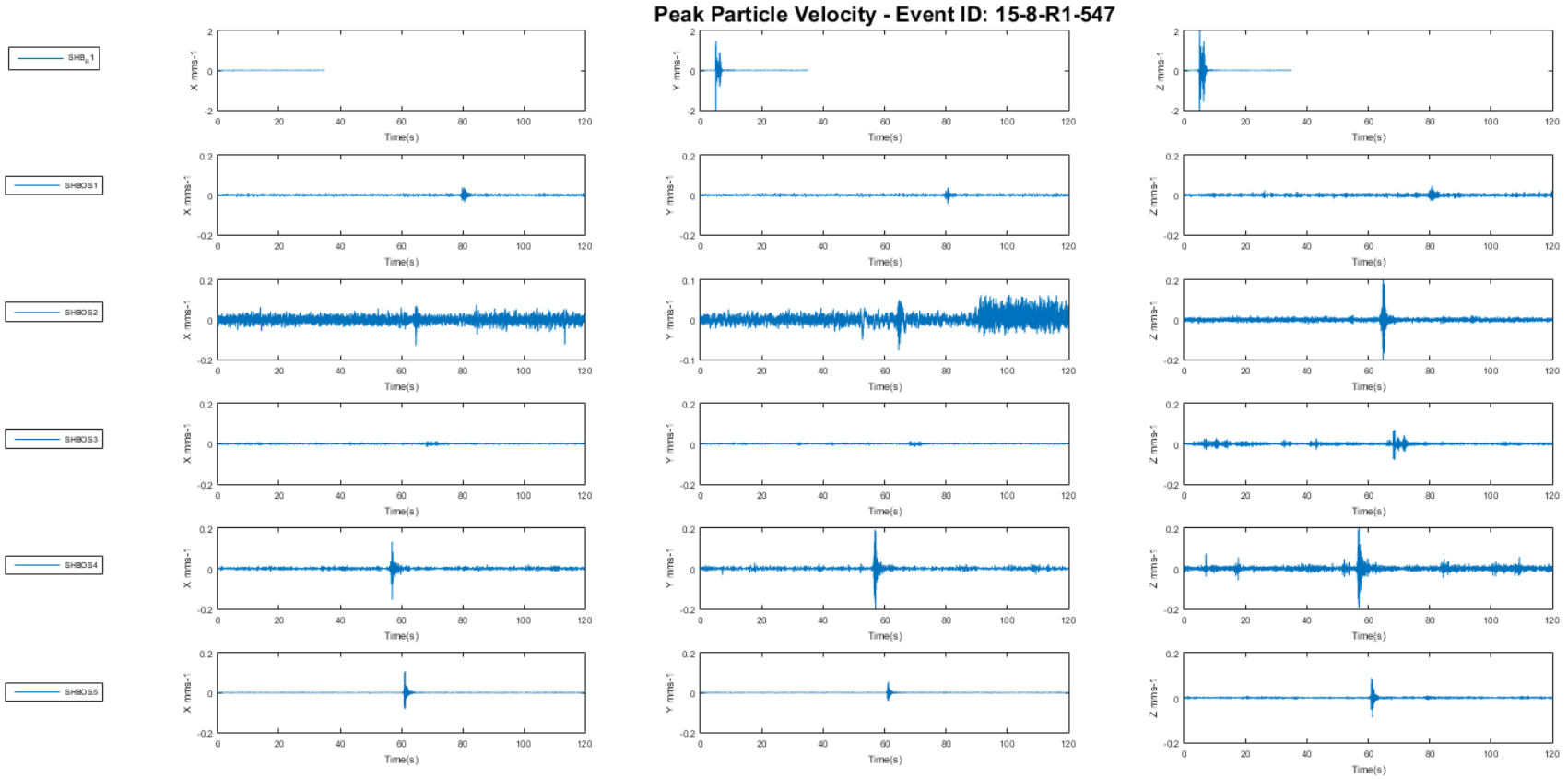


FIGURE 3.478: SHB_OS 1 - 5 15-8-R1-547

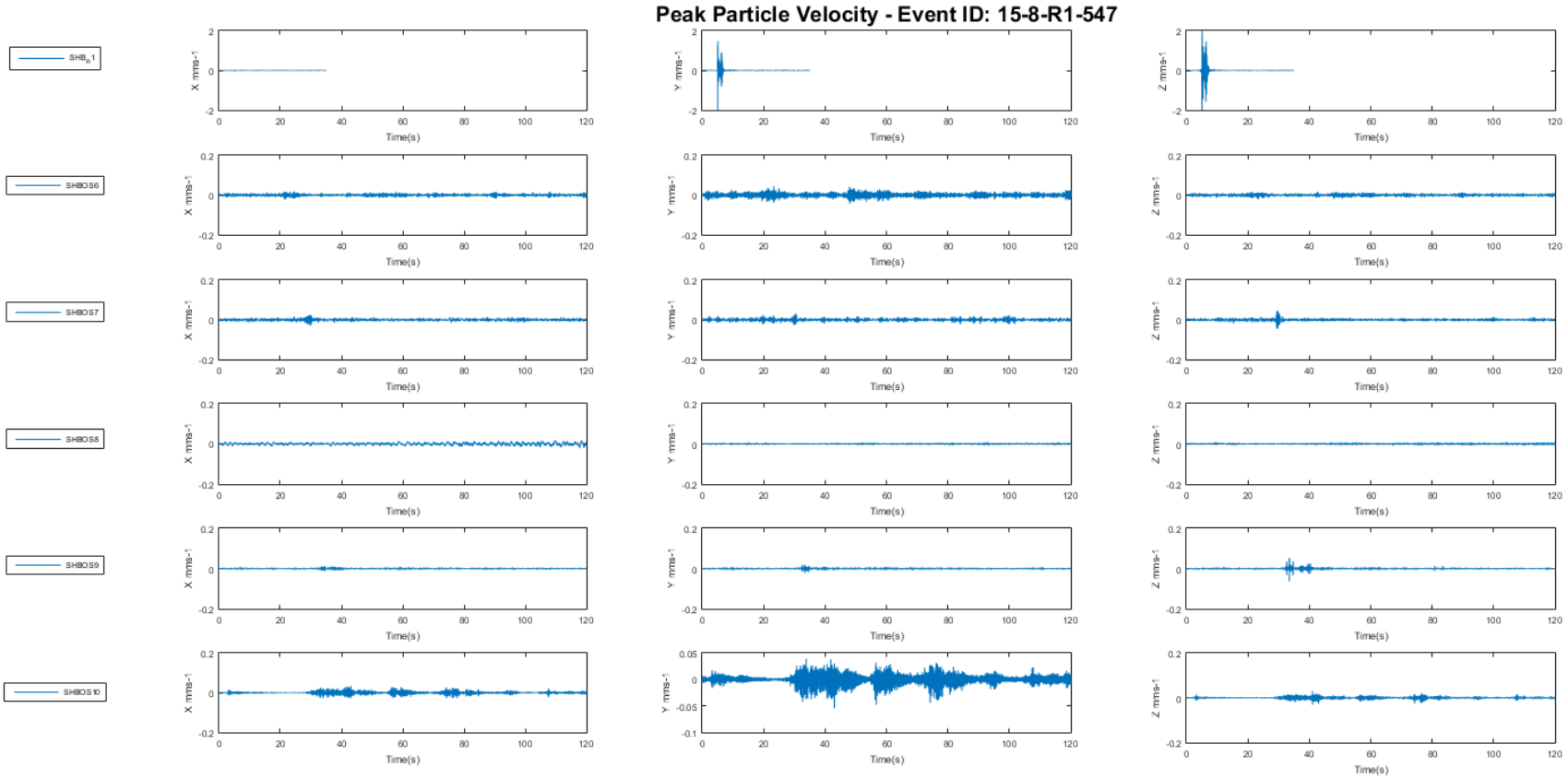


FIGURE 3.479: SHB_OS 6 - 10 15-8-R1-547

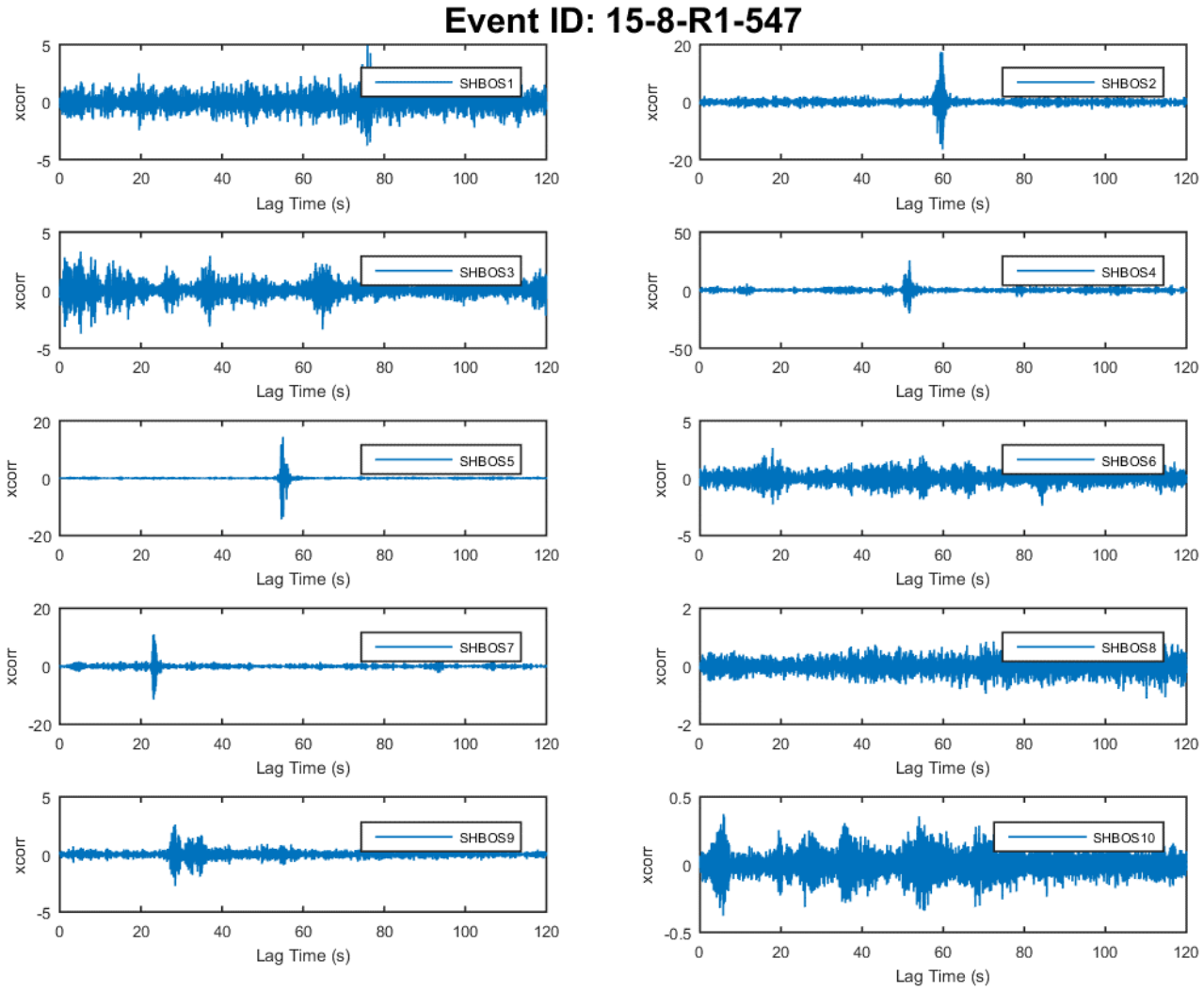


FIGURE 3.480: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-547

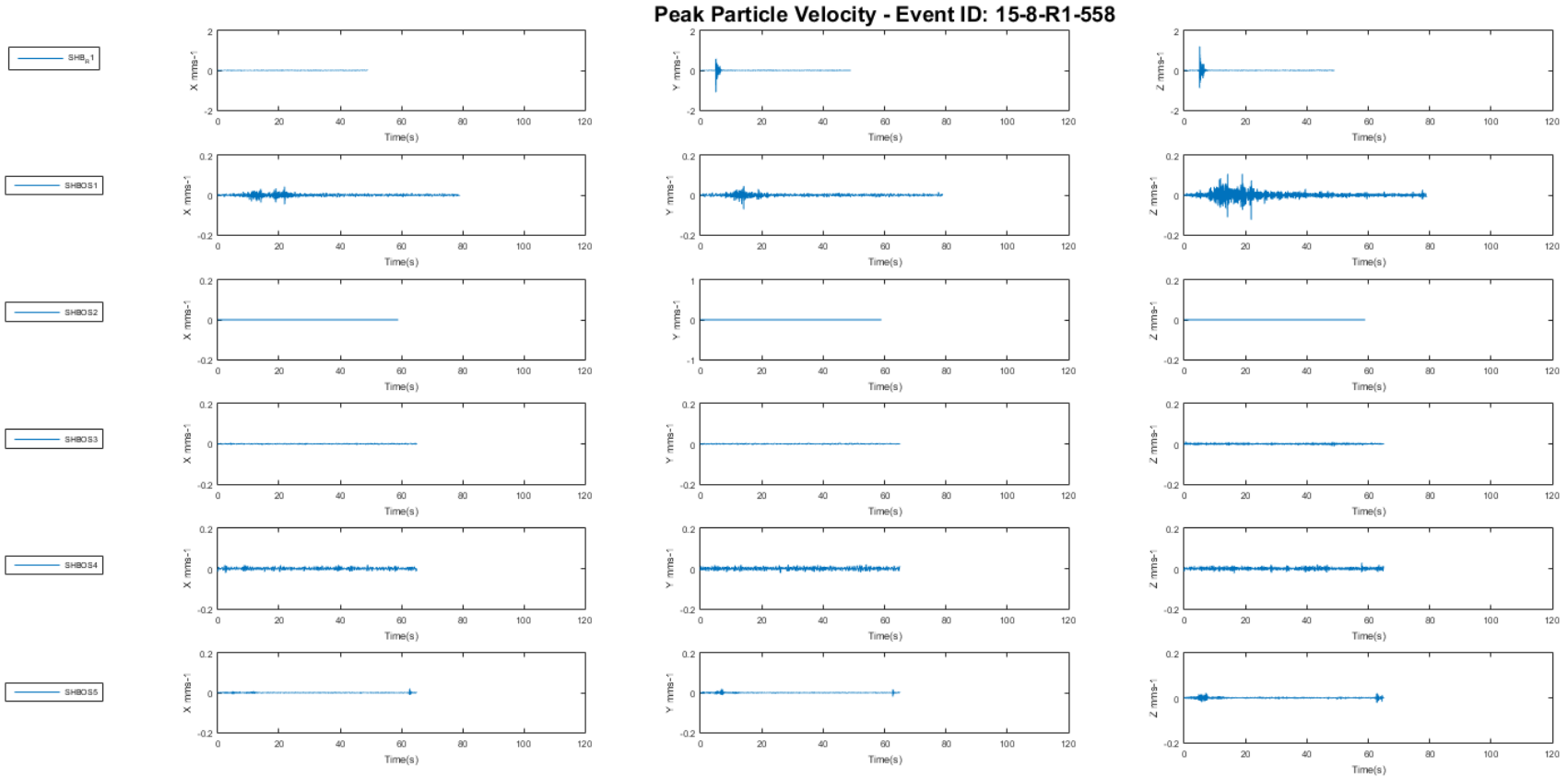


FIGURE 3.481: SHB_OS 1 - 5 15-8-R1-558

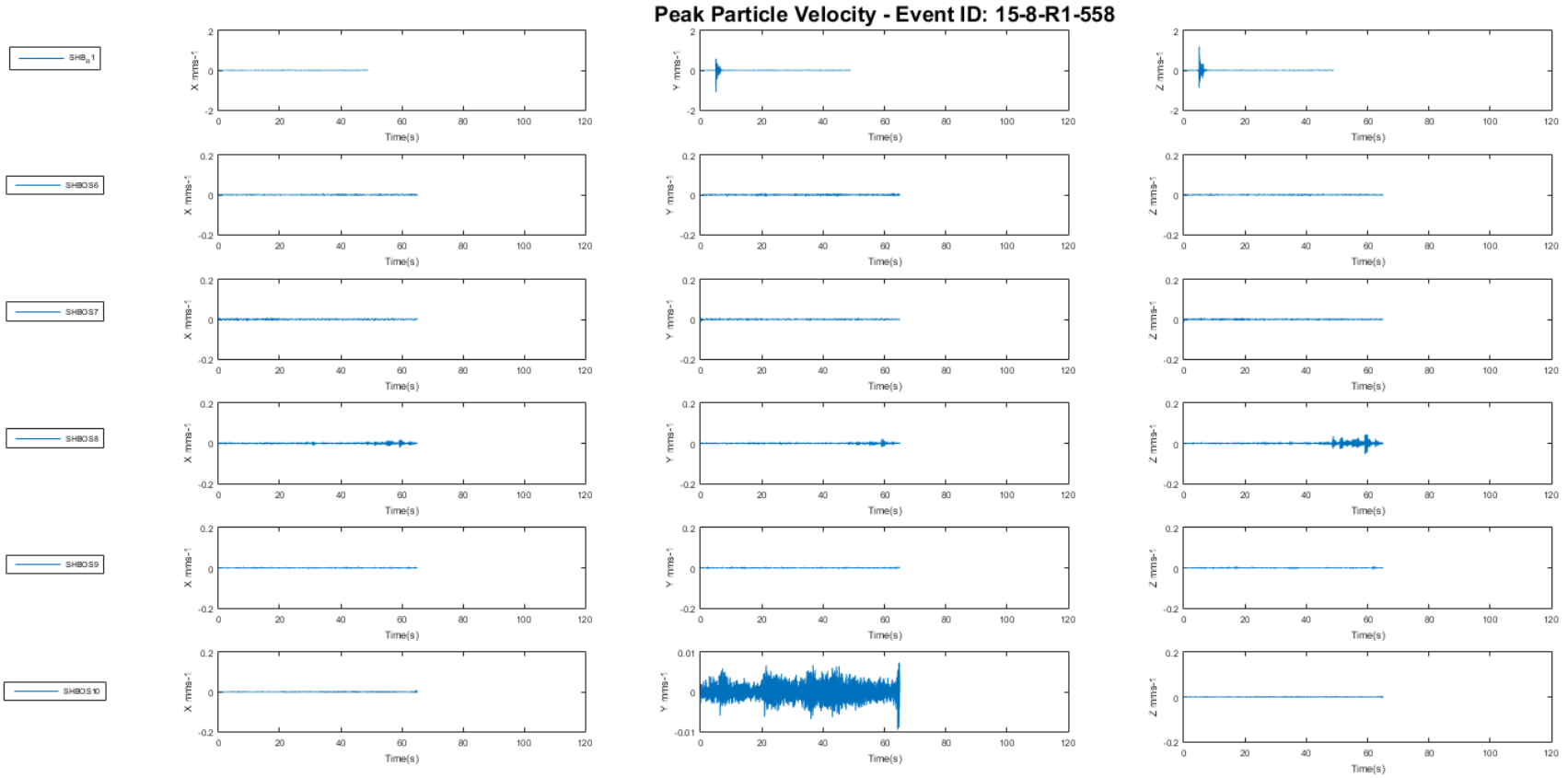


FIGURE 3.482: SHB_OS 6 - 10 15-8-R1-558

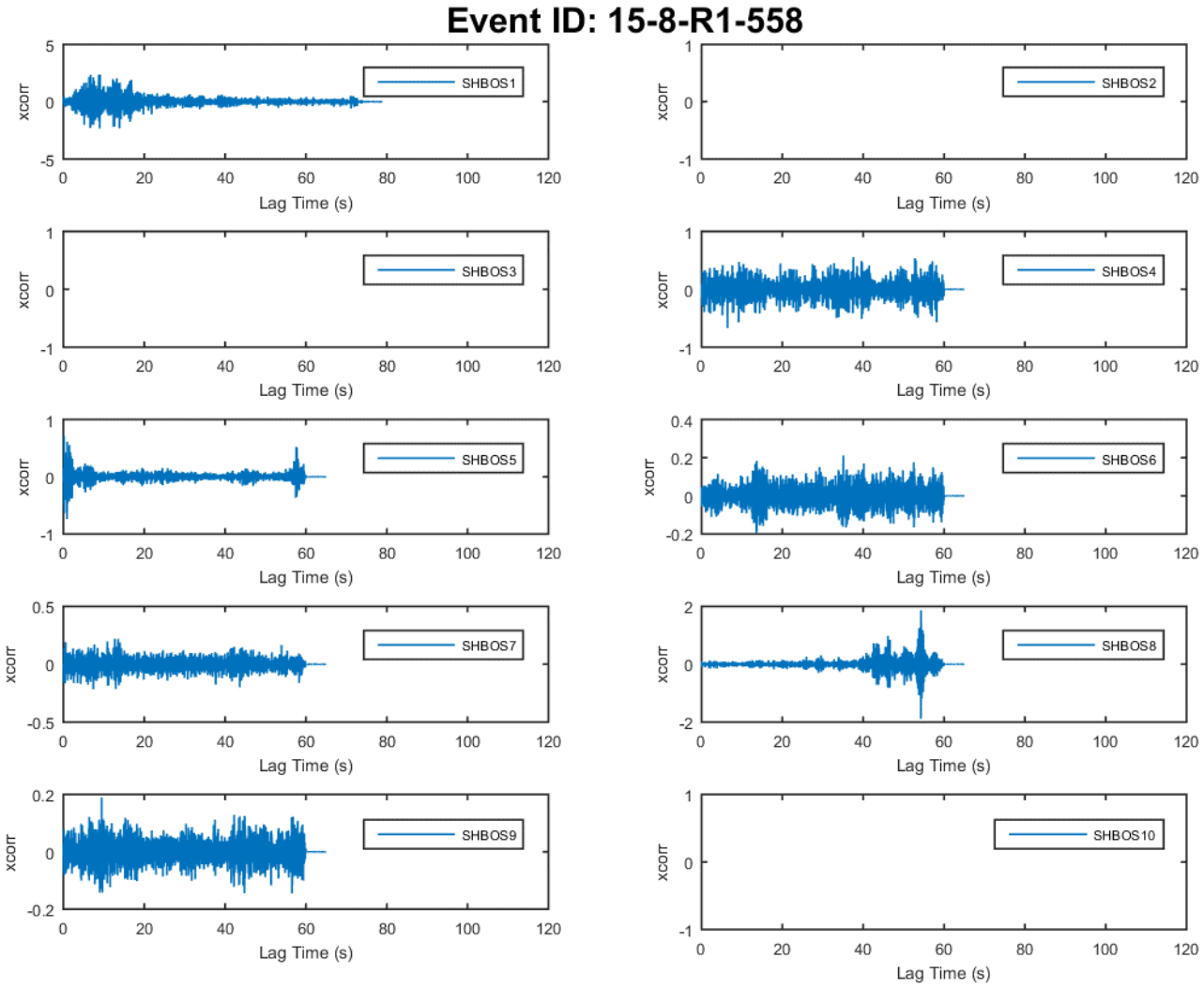


FIGURE 3.483: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-558

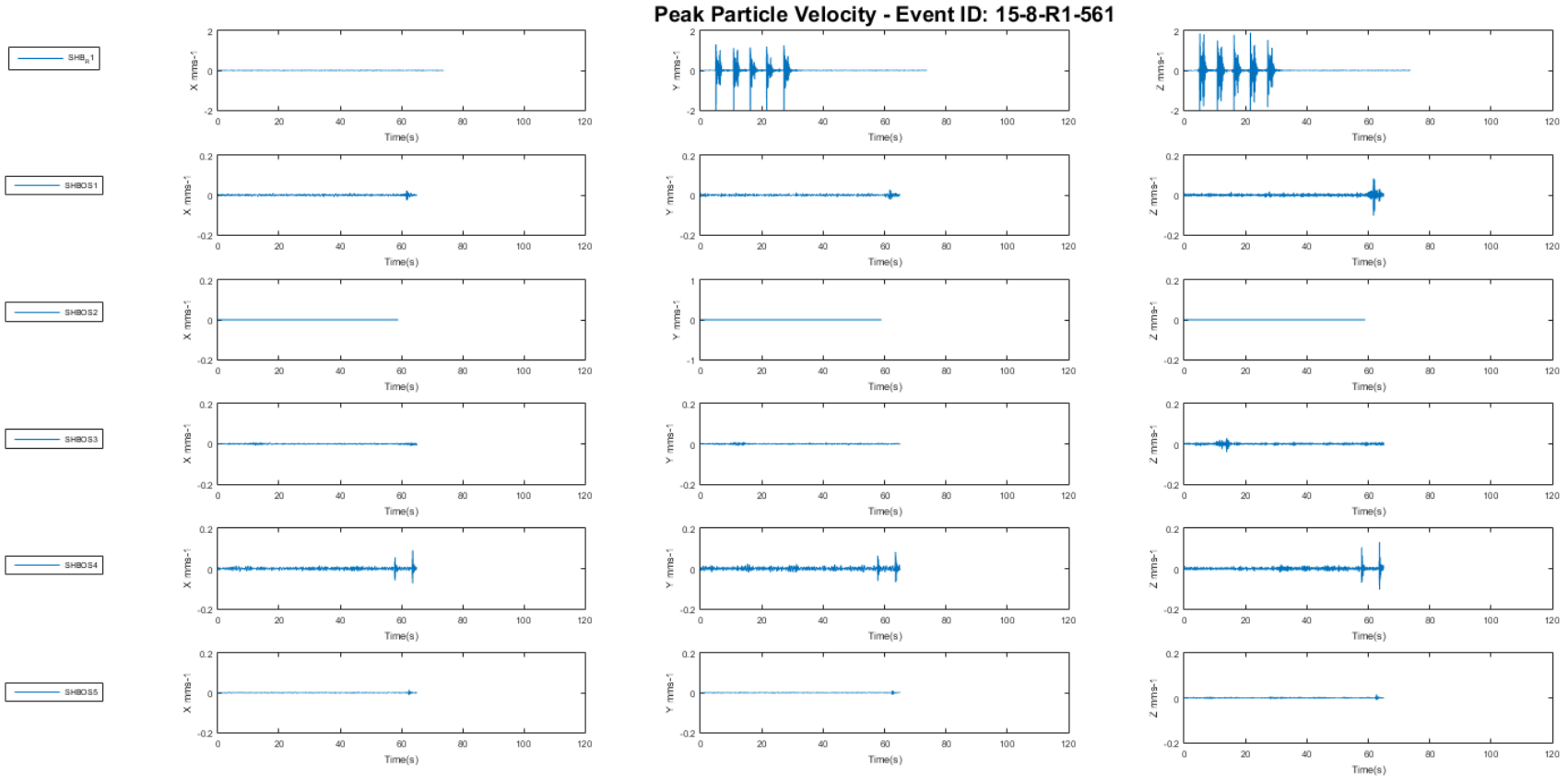


FIGURE 3.484: SHB_OS 1 - 5 15-8-R1-561

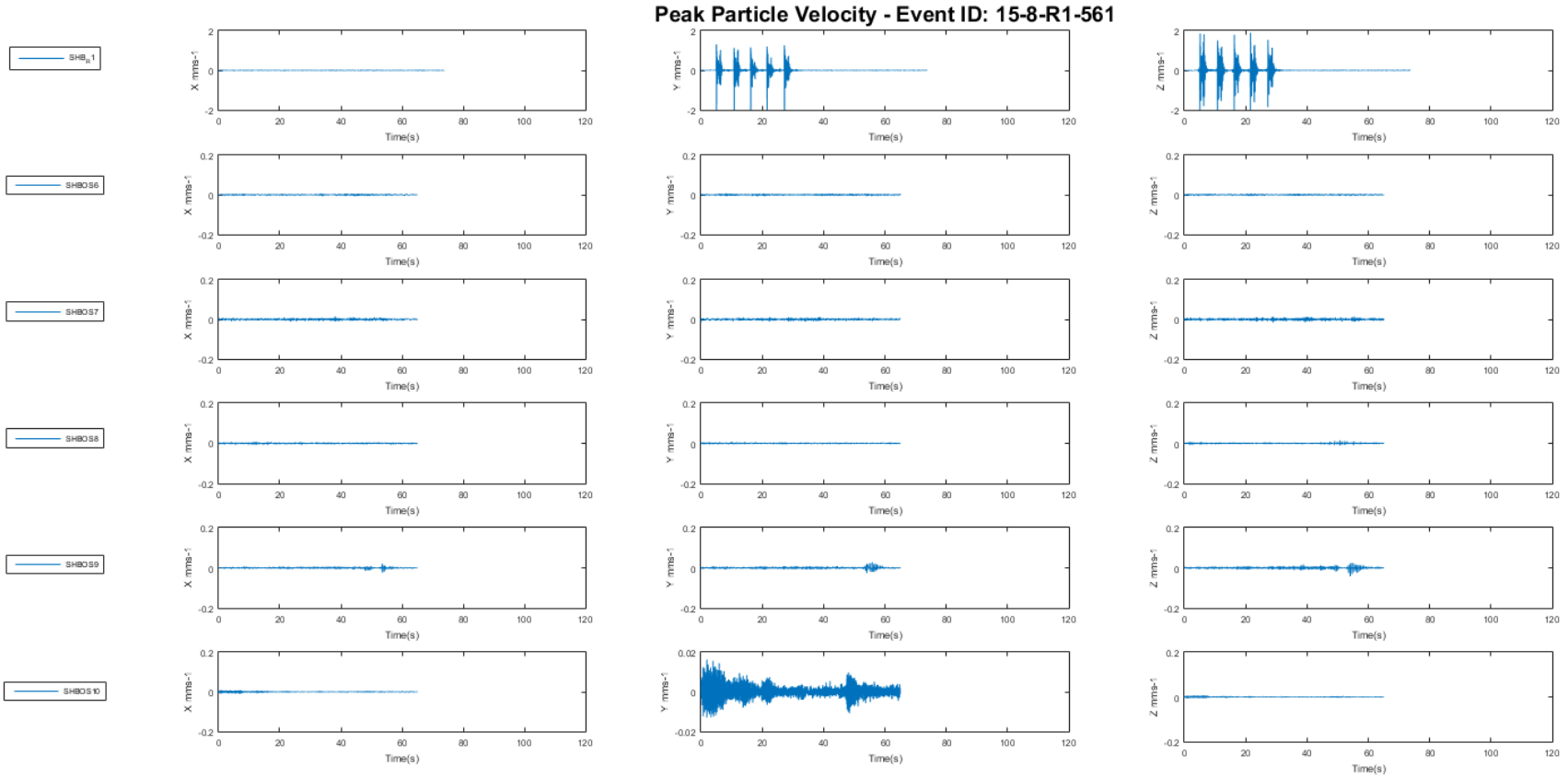


FIGURE 3.485: SHB_OS 6 - 10 15-8-R1-561

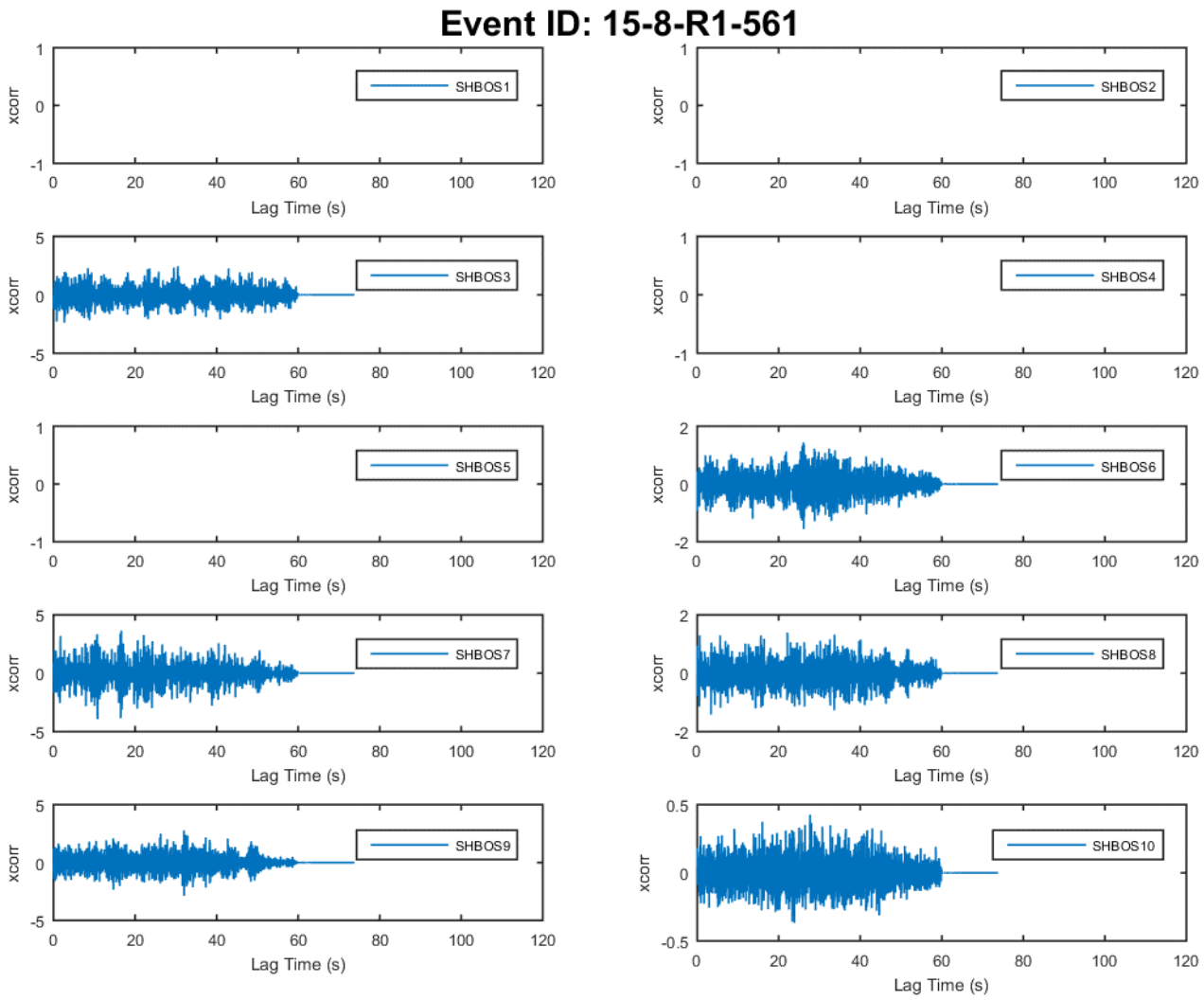


FIGURE 3.486: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-561

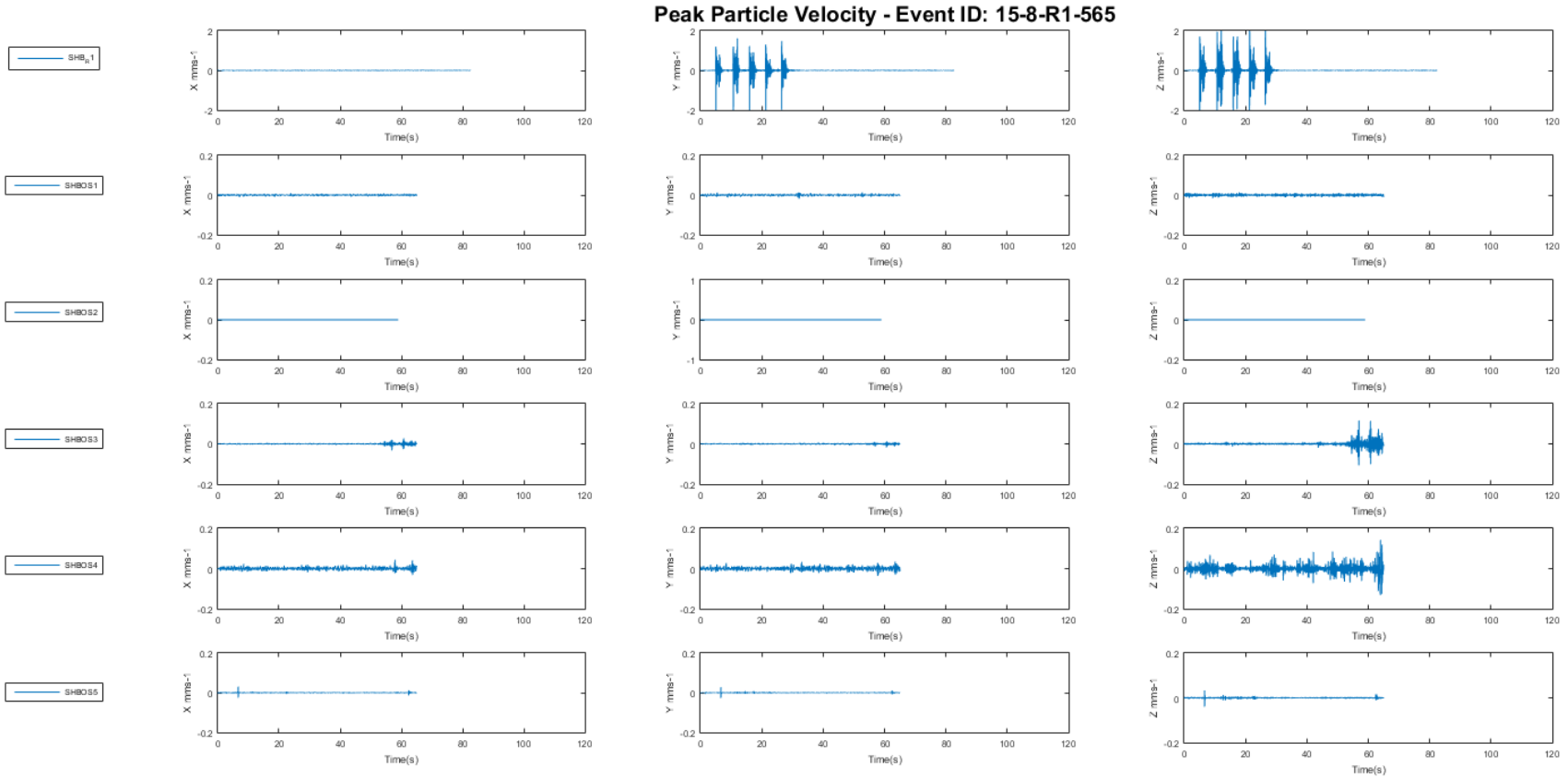


FIGURE 3.487: SHB_OS 1 - 5 15-8-R1-565

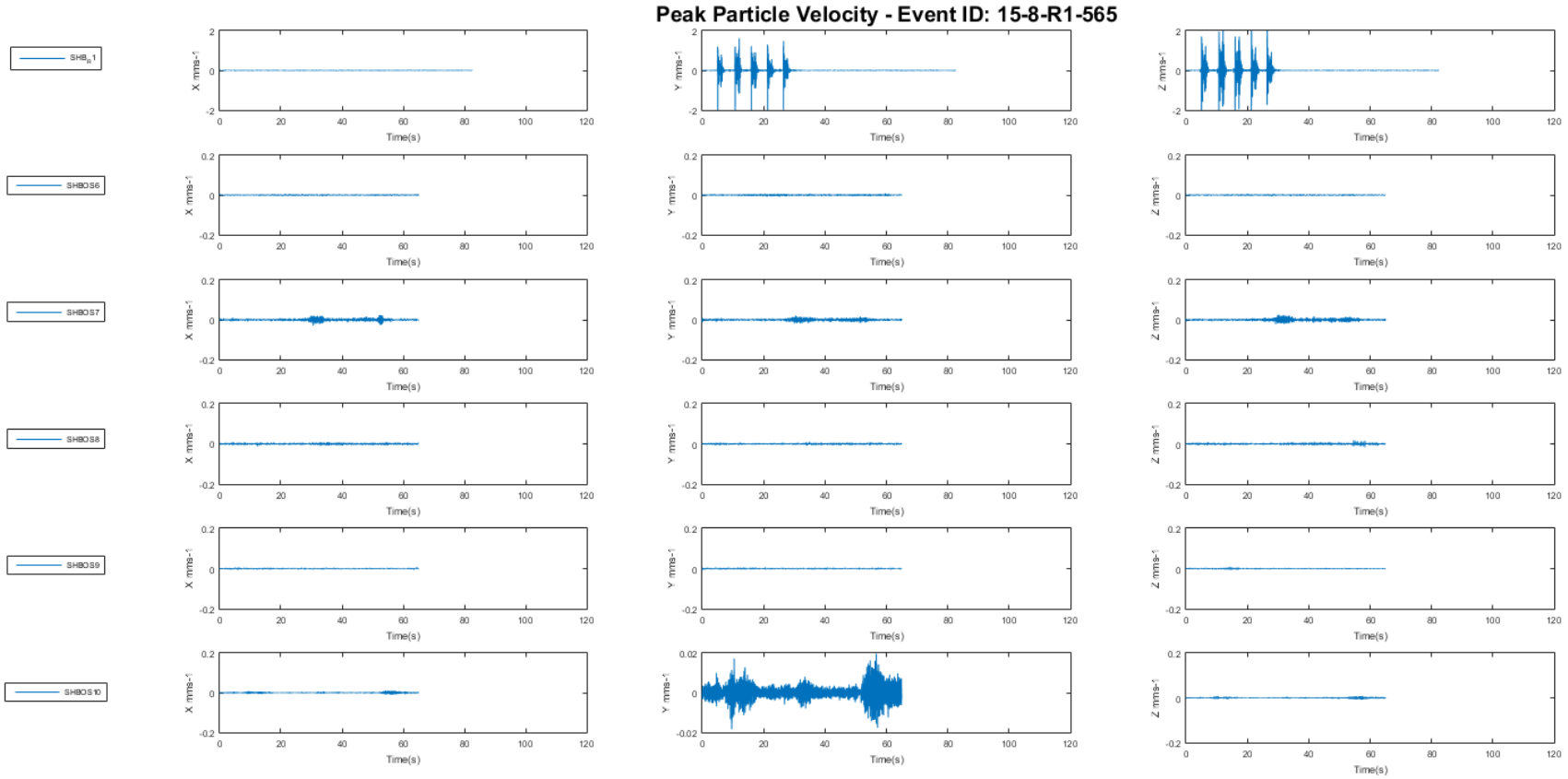


FIGURE 3.488: SHB_OS 6 - 10 15-8-R1-565

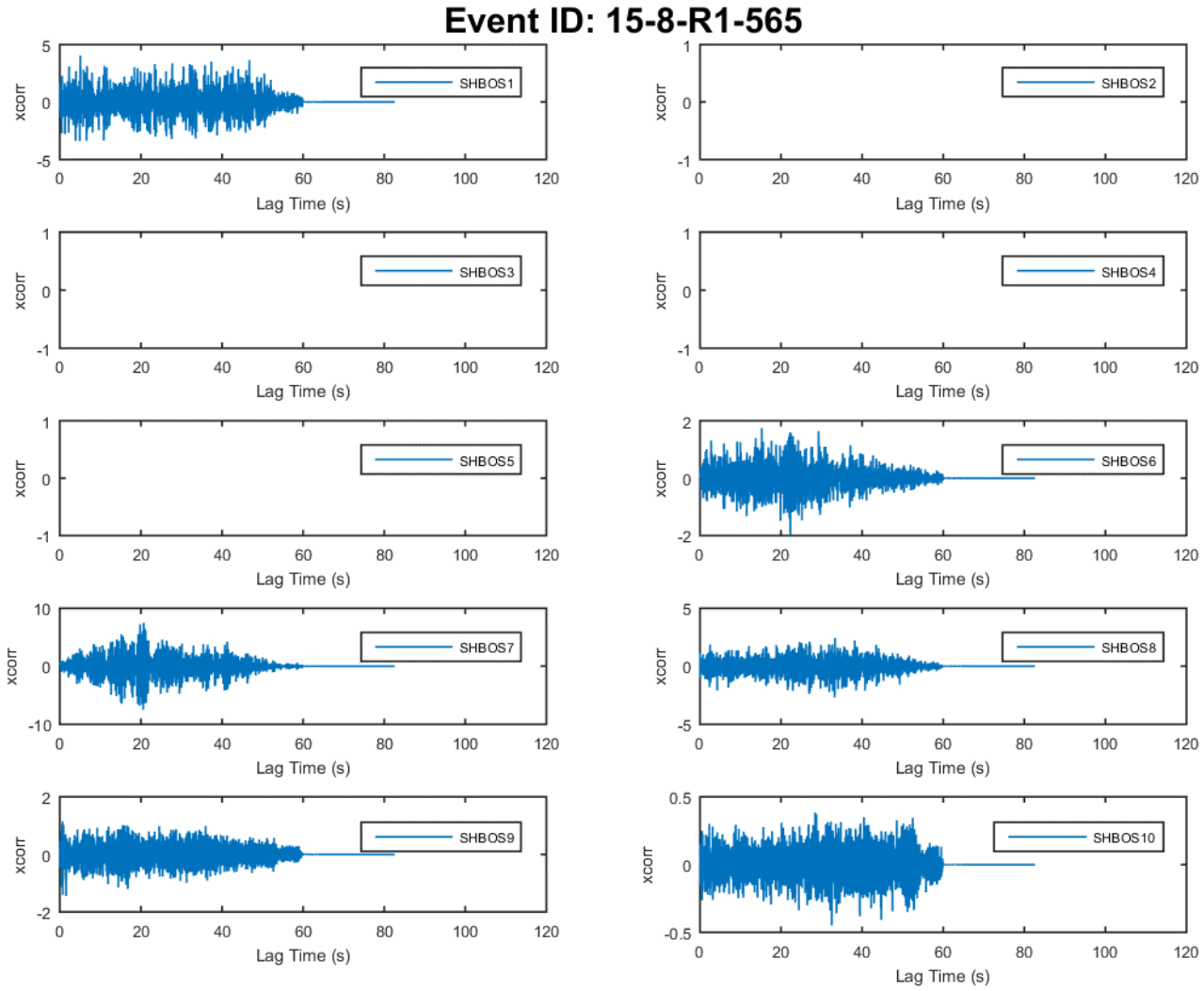


FIGURE 3.489: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-565

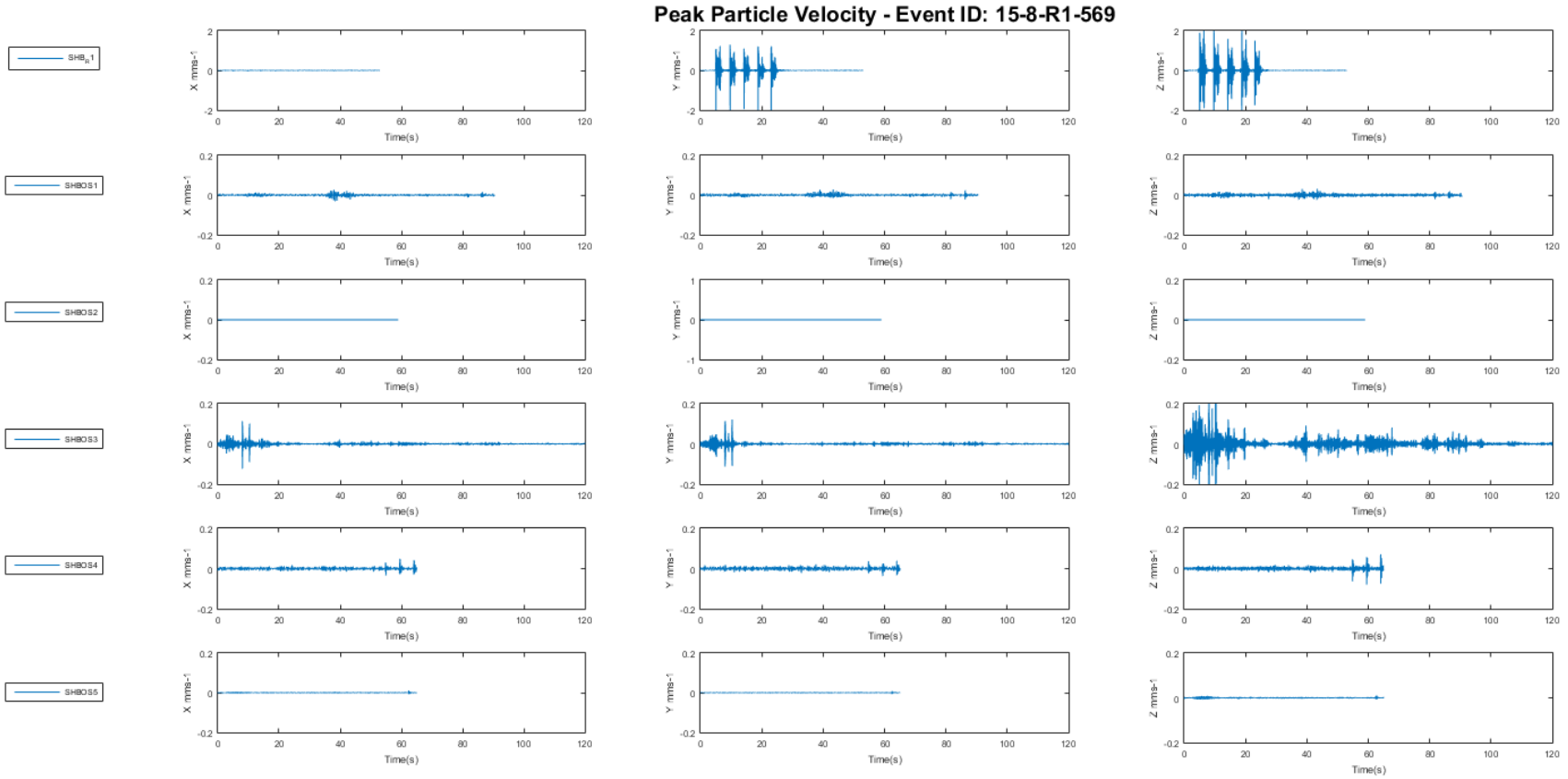


FIGURE 3.490: SHB_OS 1 - 5 15-8-R1-569

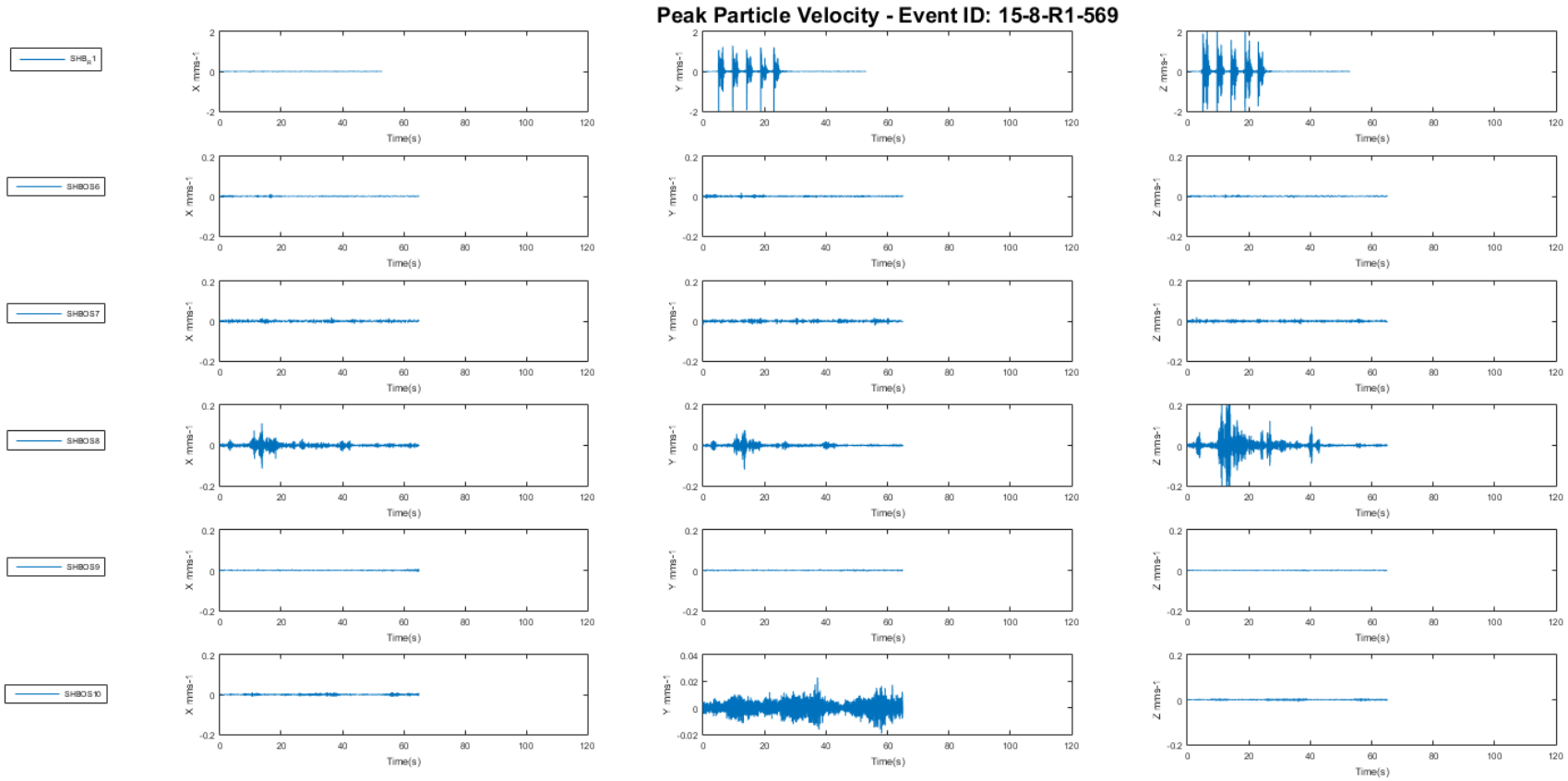


FIGURE 3.491: SHB_OS 6 - 10 15-8-R1-569

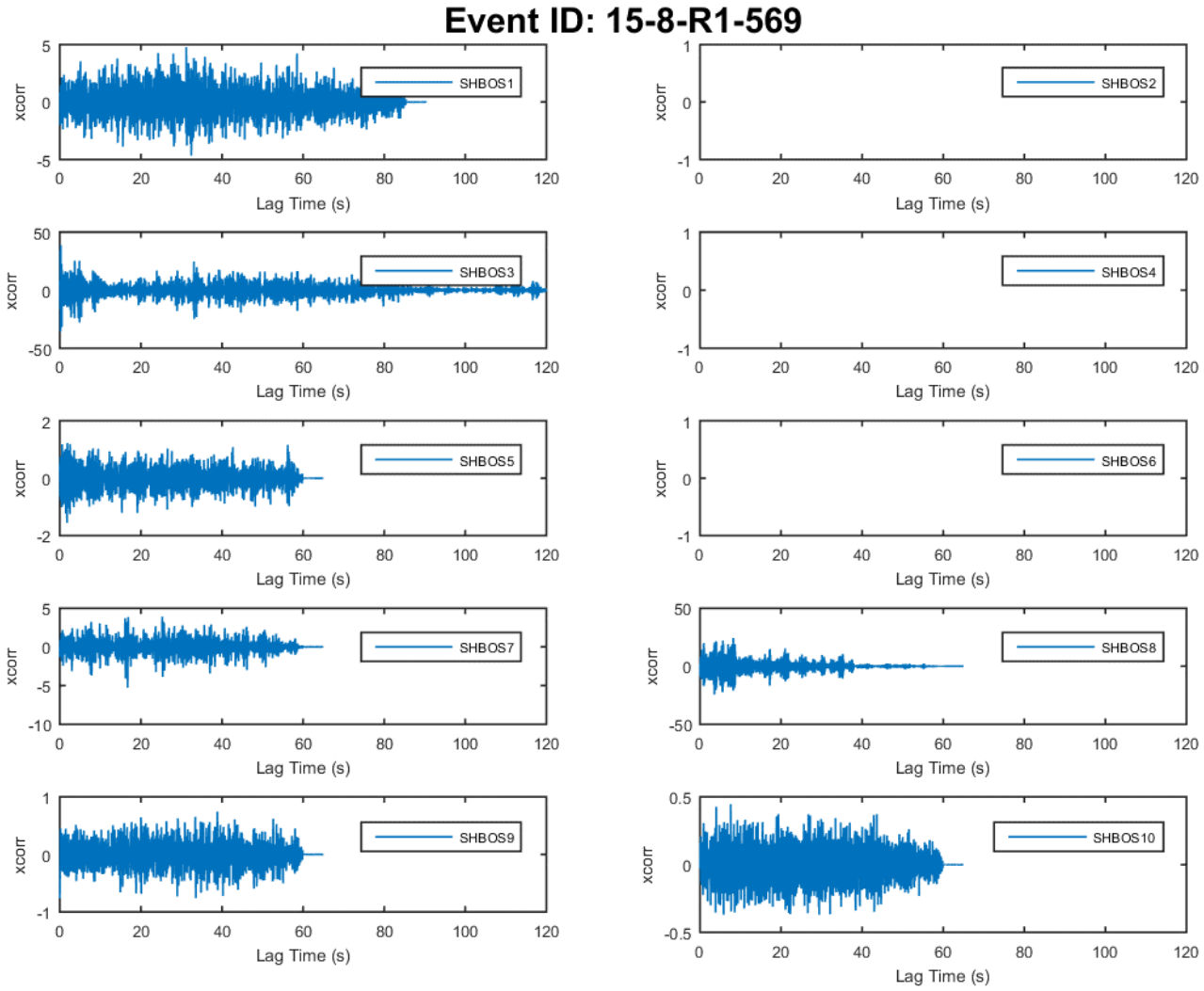


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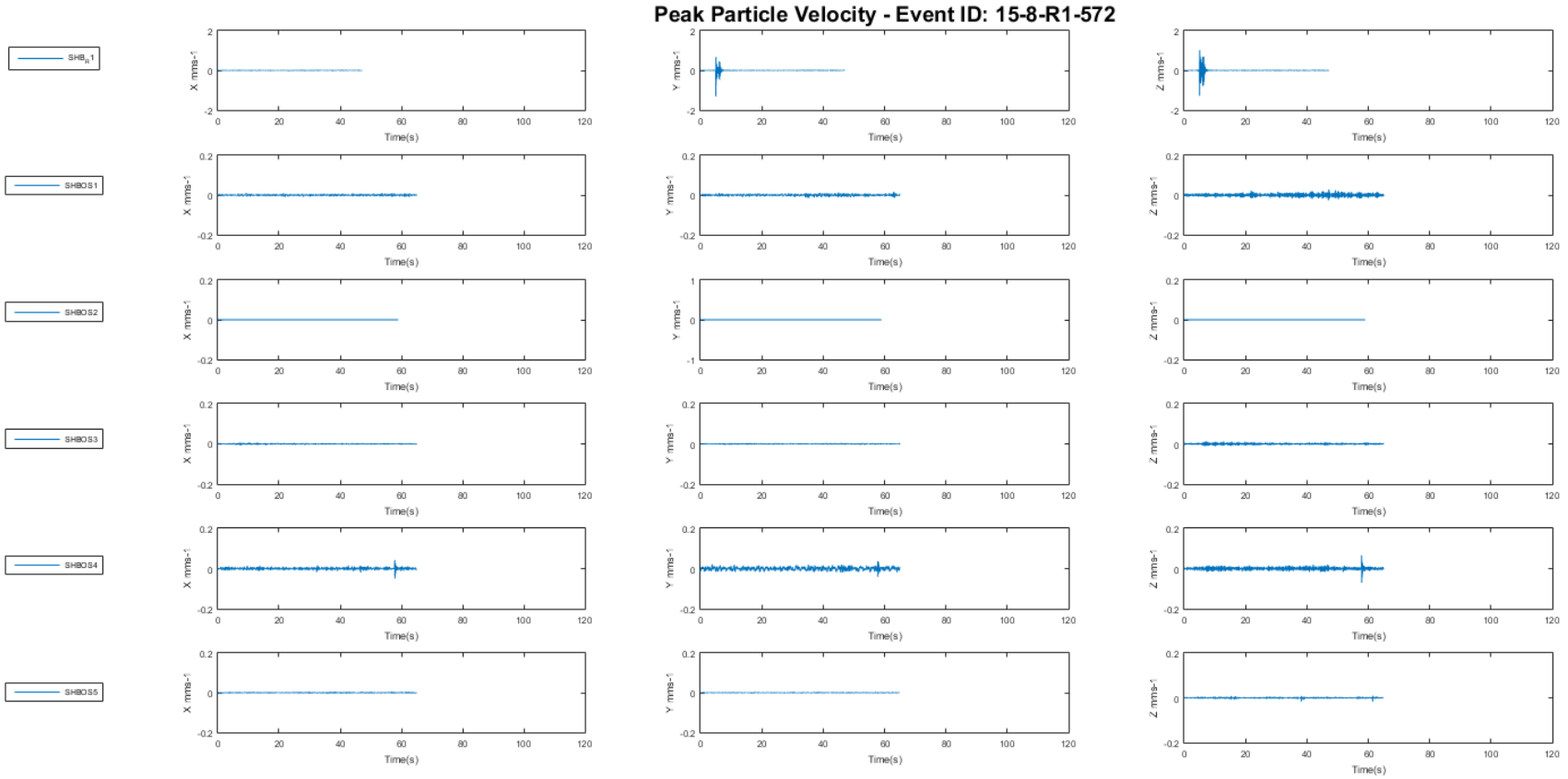


FIGURE 3.493: SHB_OS 1 - 5 15-8-R1-572

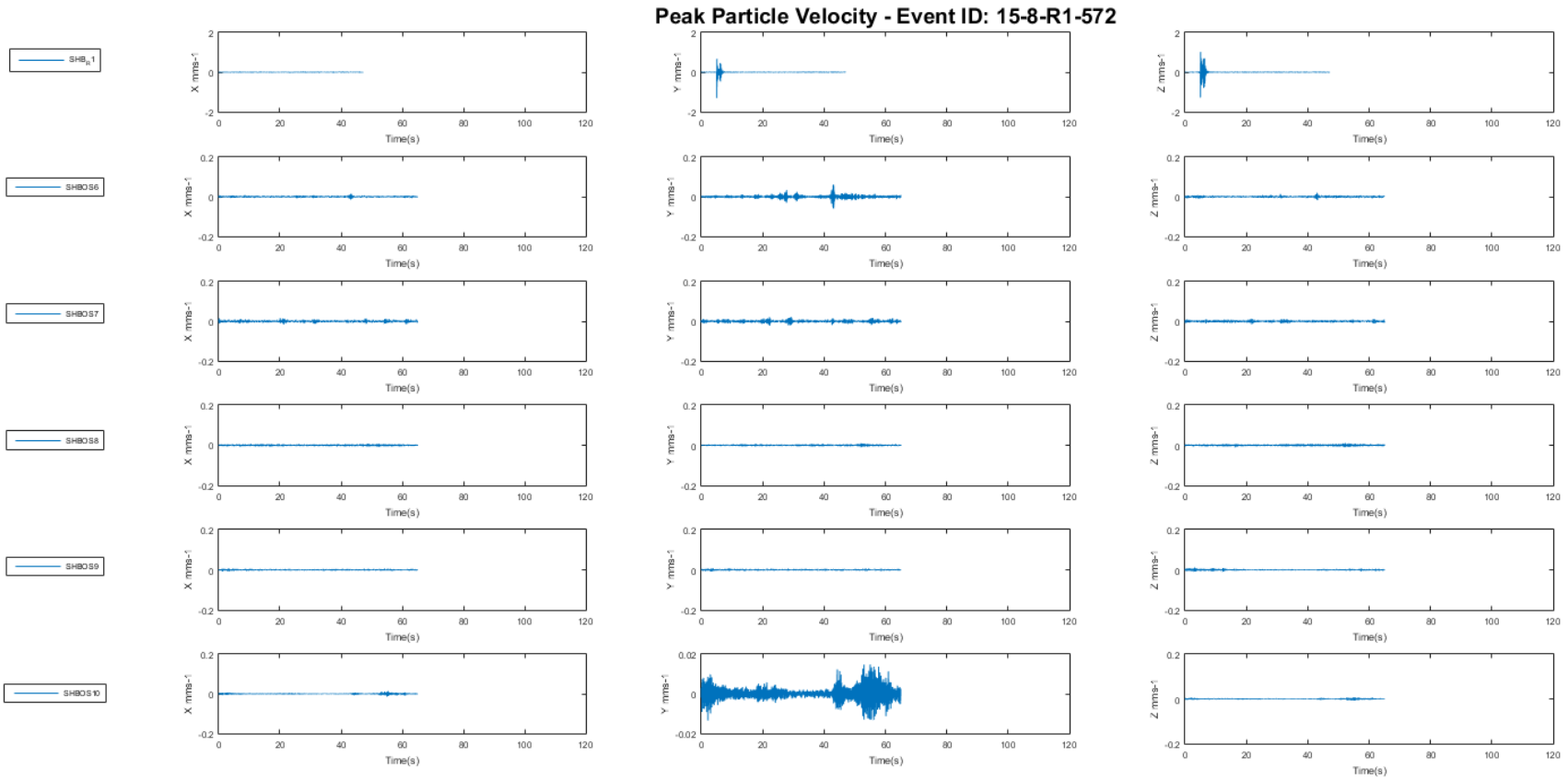


FIGURE 3.494: SHB_OS 6 - 10 15-8-R1-572

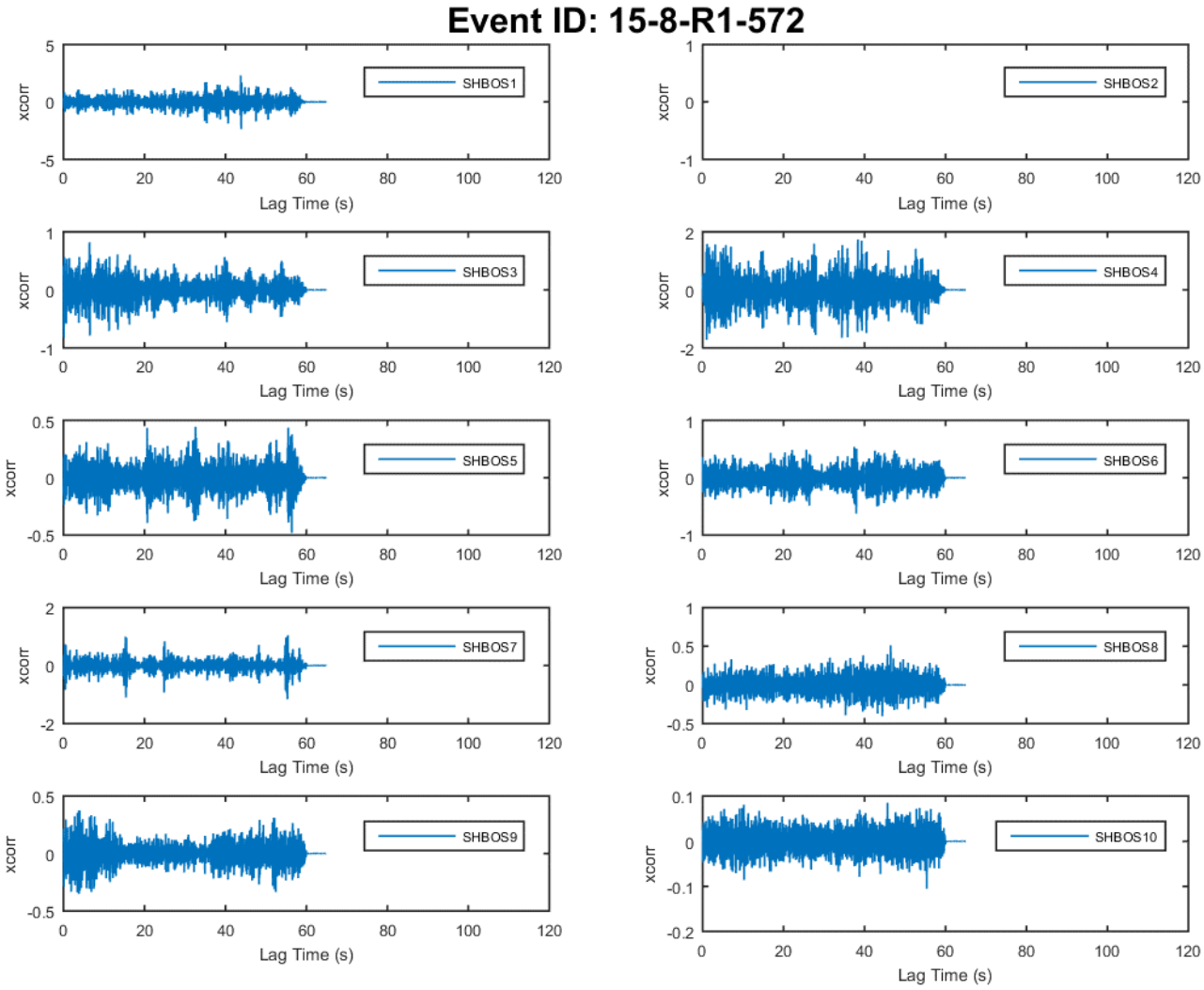


FIGURE 3.495: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-572

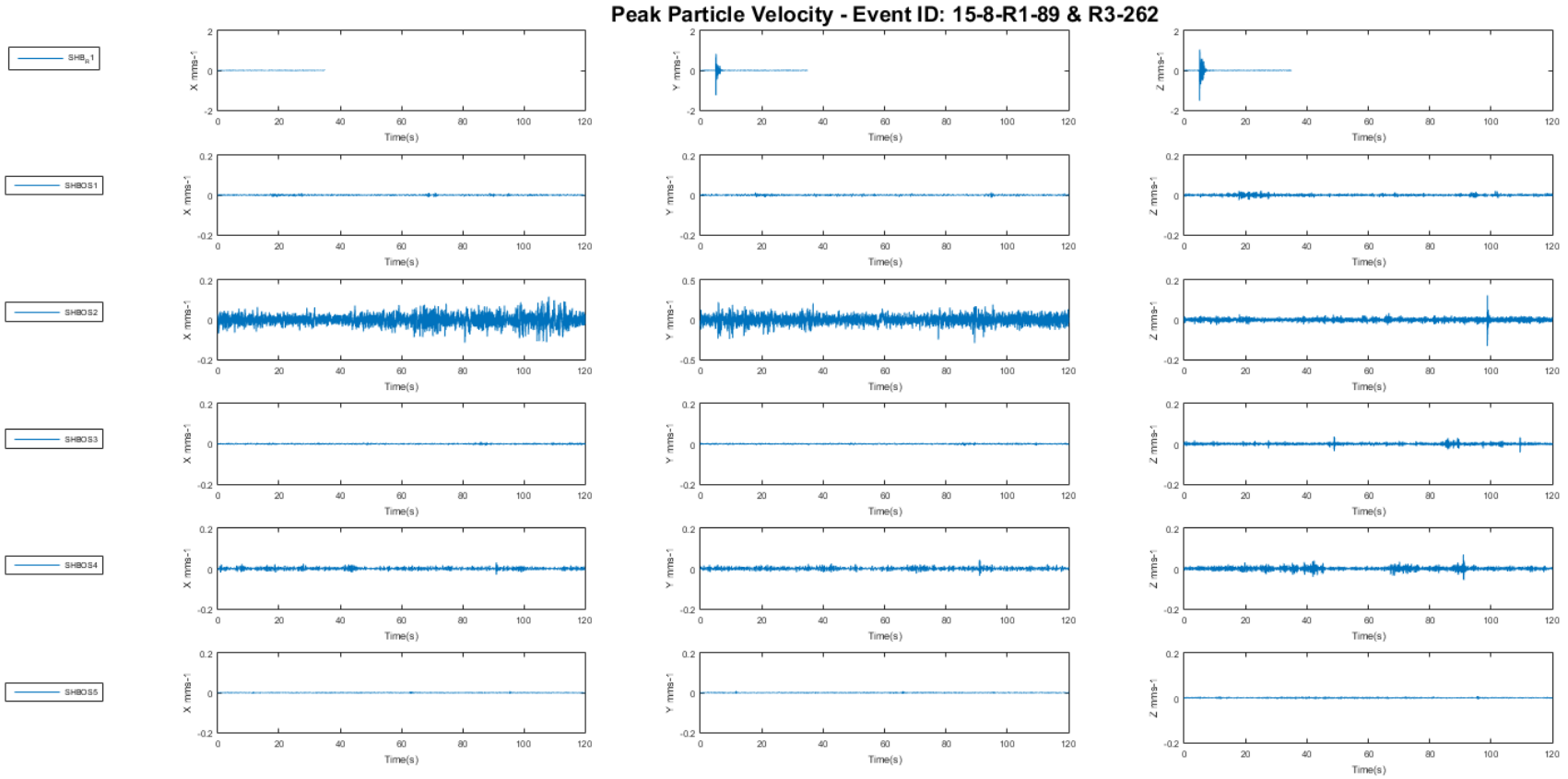


FIGURE 3.496: SHB_OS 1 - 5 15-8-R1-89 & R3-262

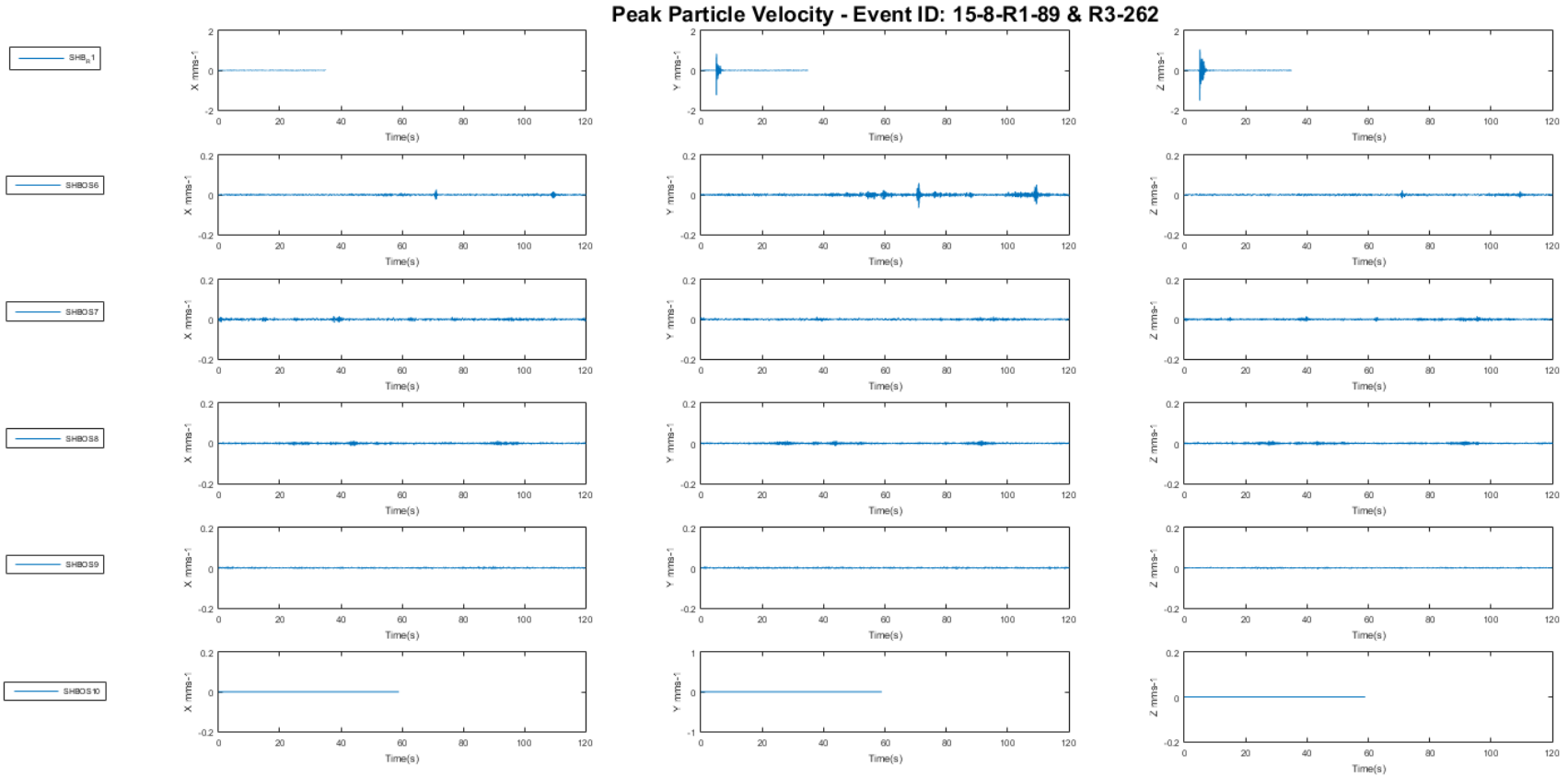


FIGURE 3.497: SHB_OS 6 - 10 15-8-R1-89 & R3-262

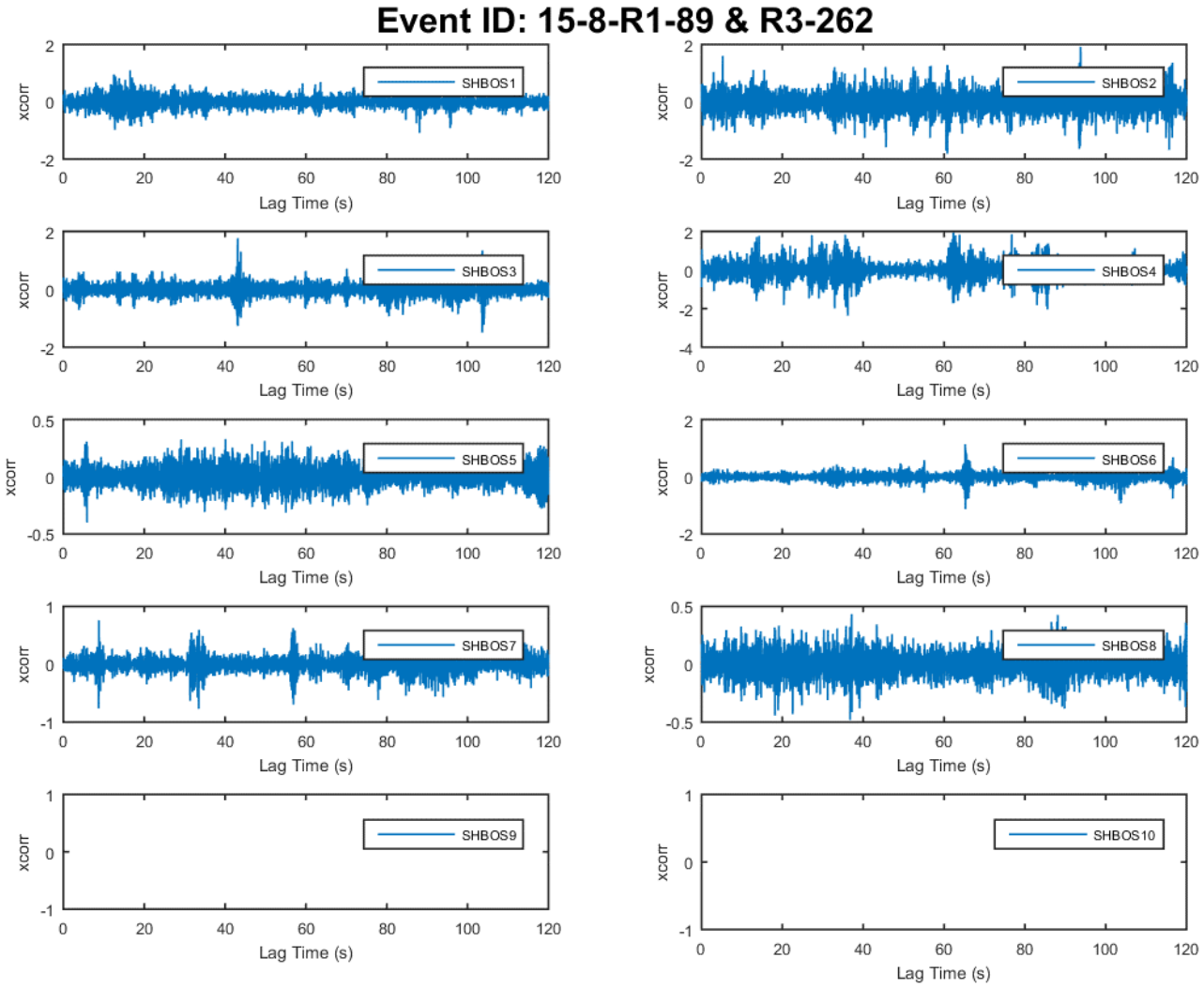


FIGURE 3.498: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-89 & R3-262

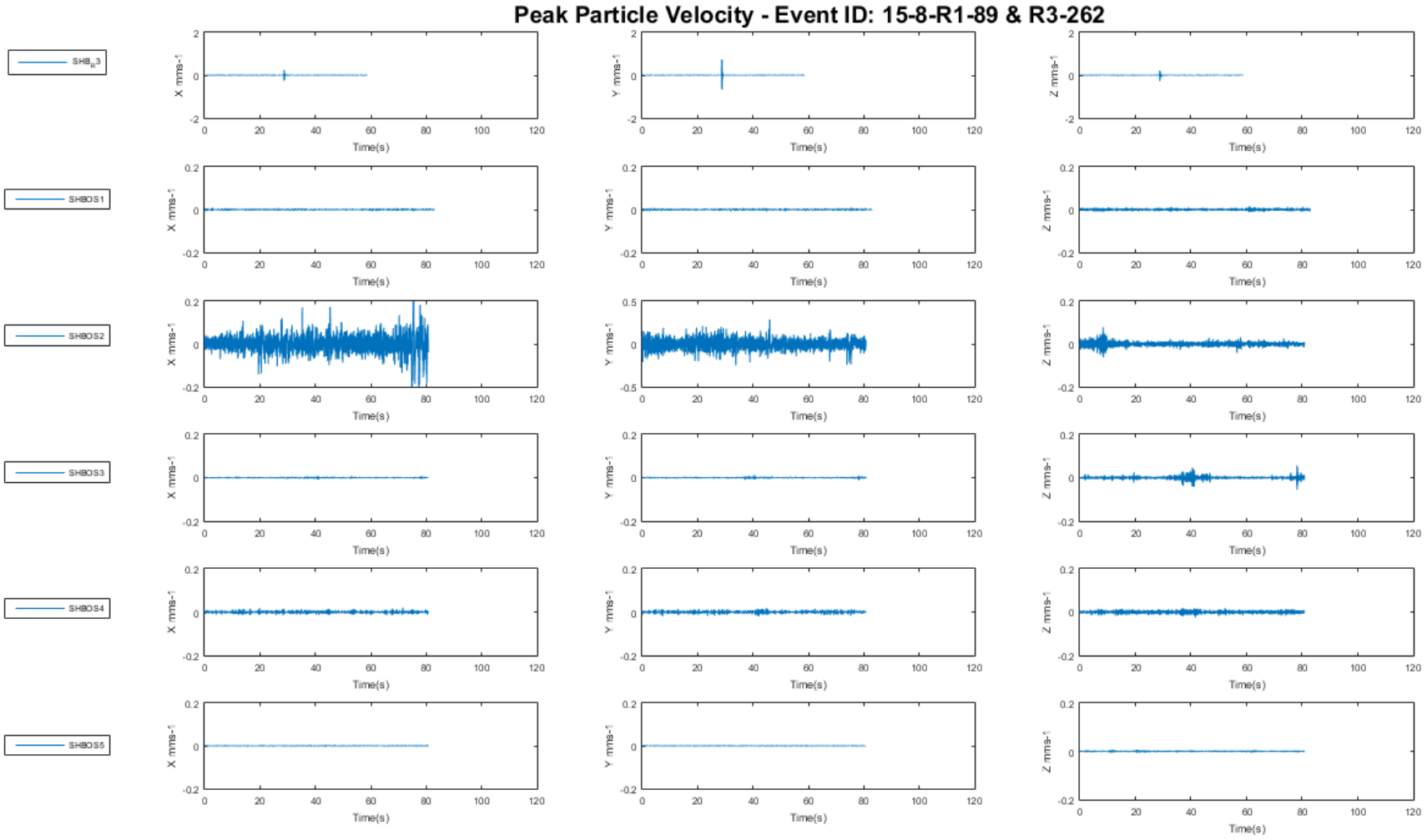


FIGURE 3.499: SHB_OS 1 - 5 15-8-R1-89 & R3-262

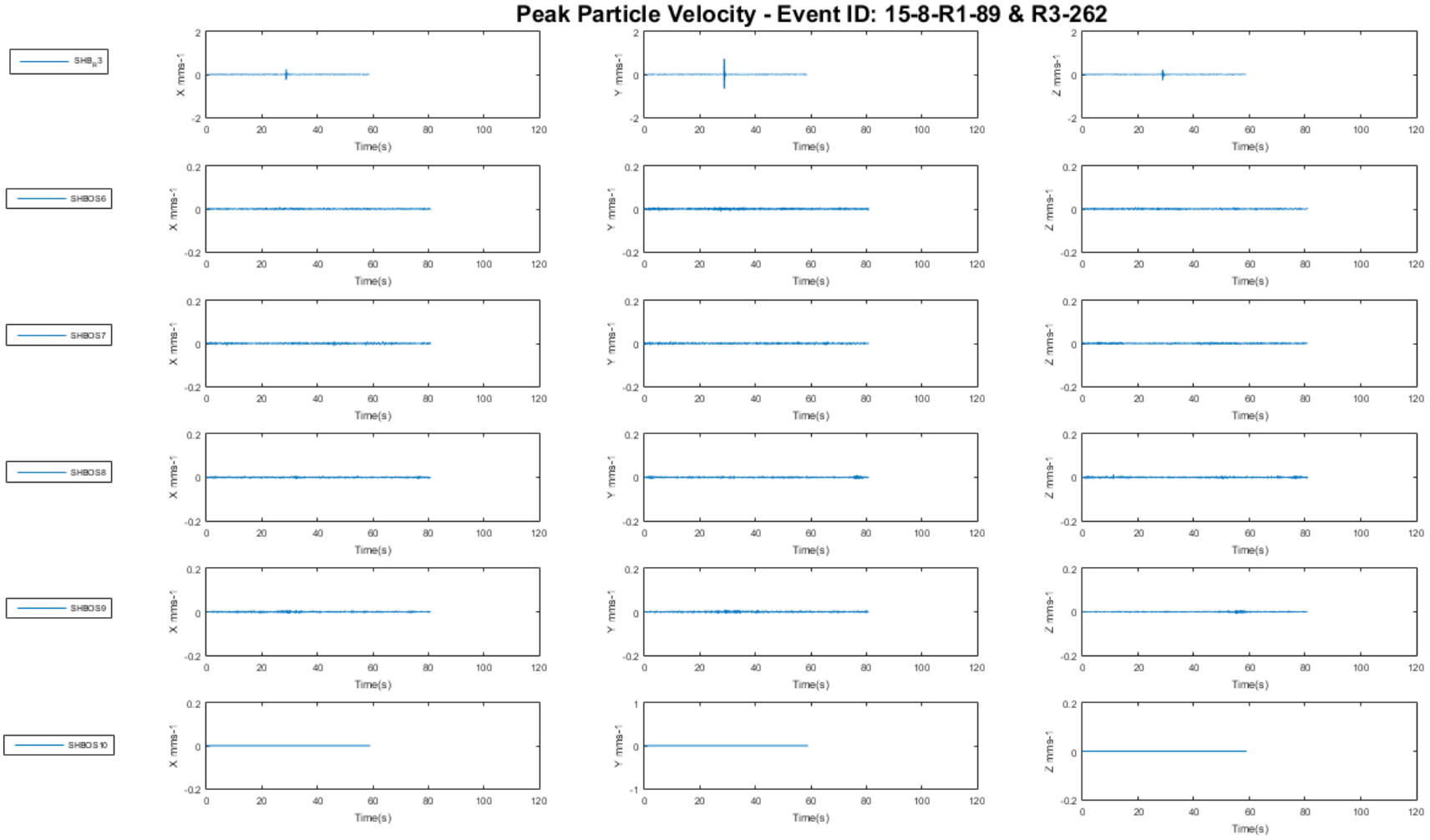


FIGURE 3.500: SHB_OS 6 - 10 15-8-R1-89 & R3-262

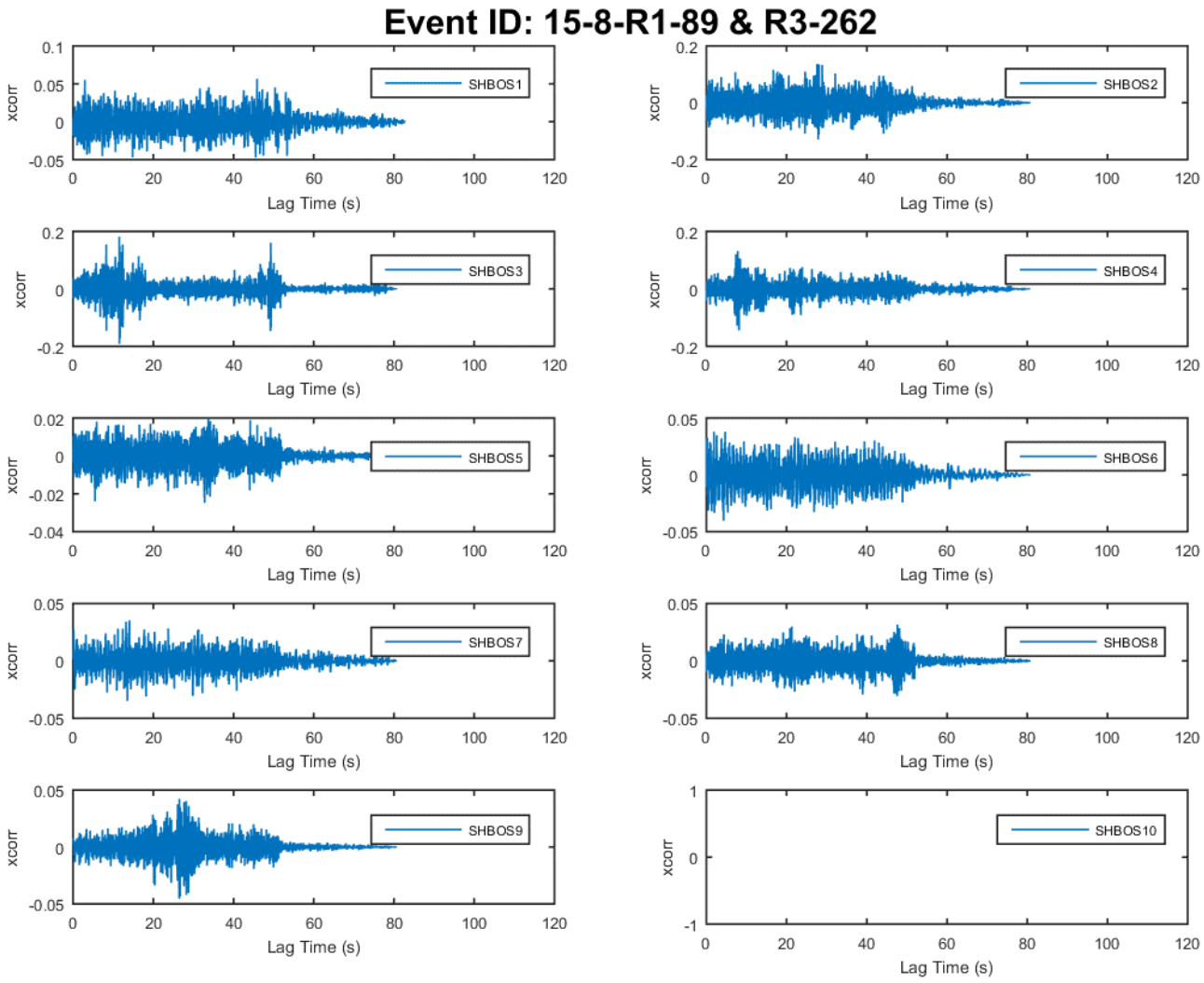


FIGURE 3.501: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-89 & R3-262

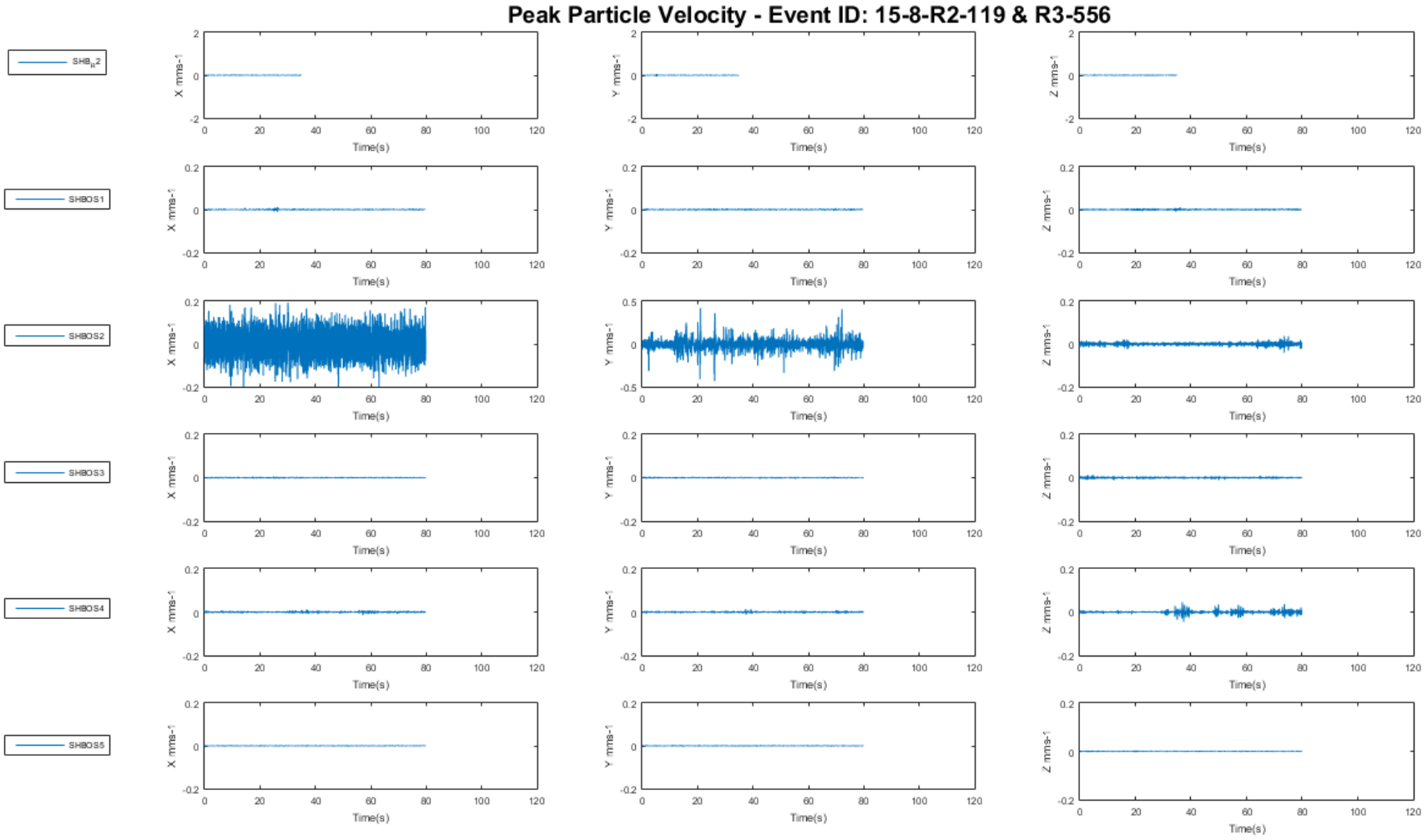


FIGURE 3.502: SHB_OS 1 - 5 15-8-R2-119 & R3-556

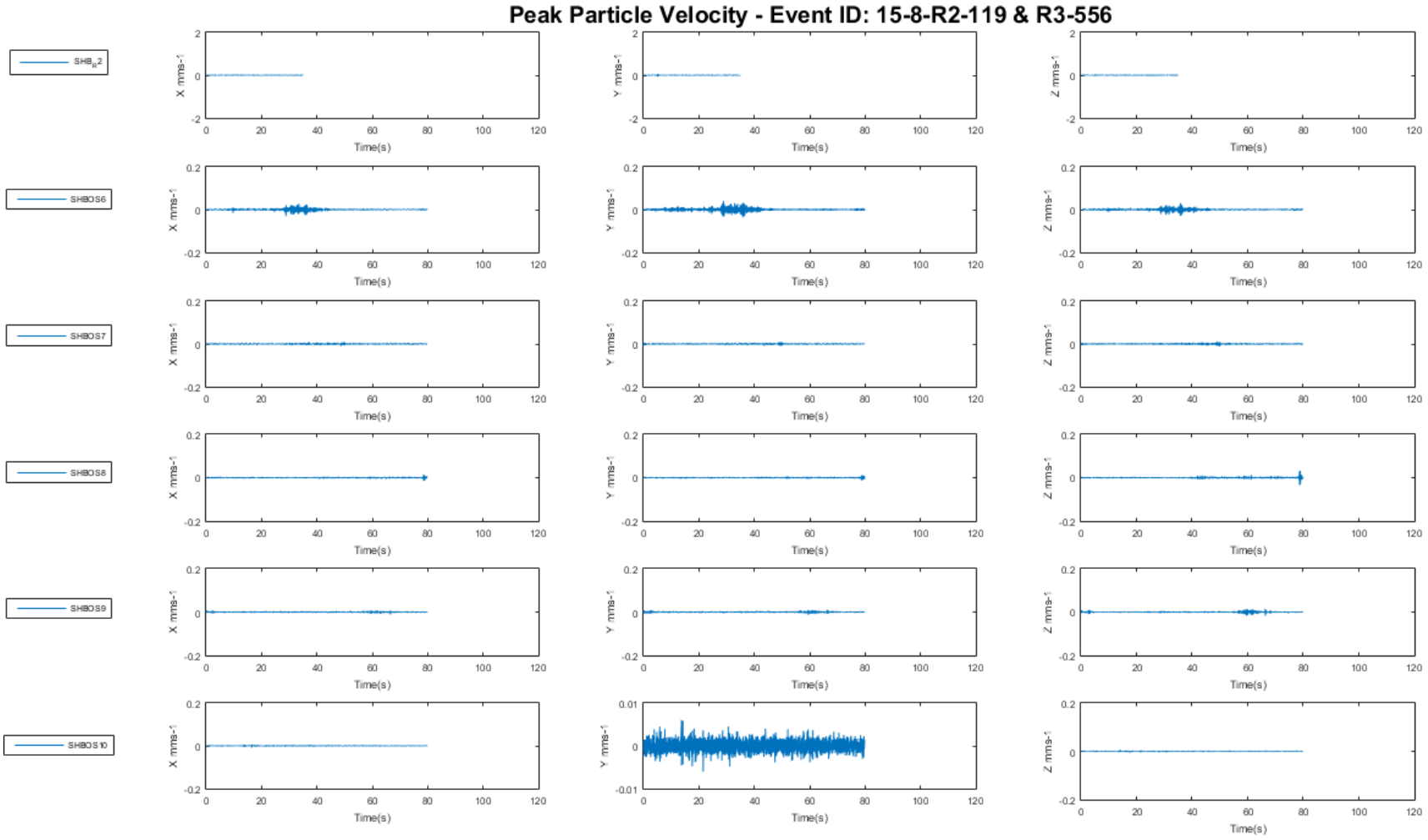


FIGURE 3.503: SHB_OS 6 - 10 15-8-R2-119 & R3-556

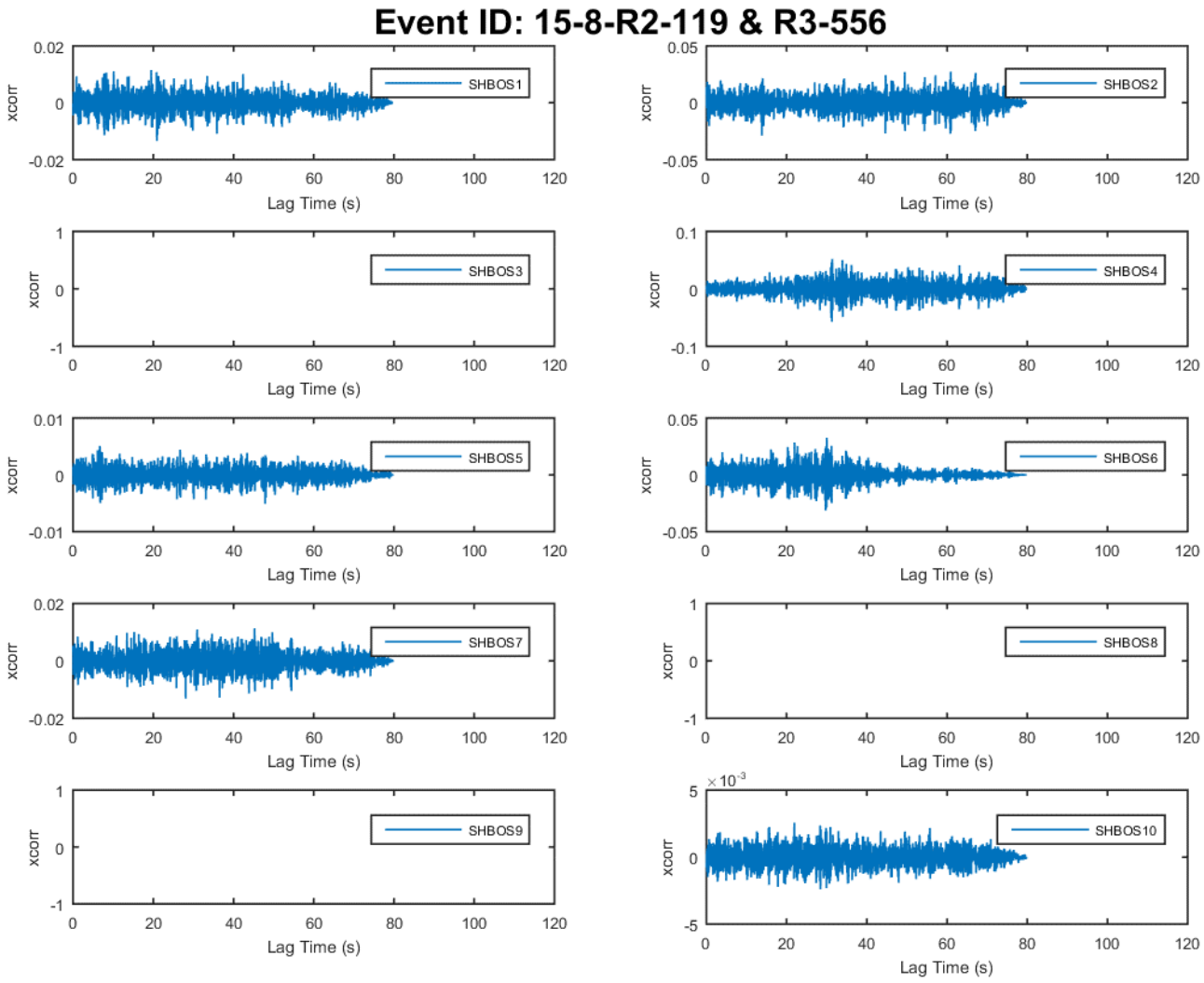


FIGURE 3.504: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-119 & R3-556

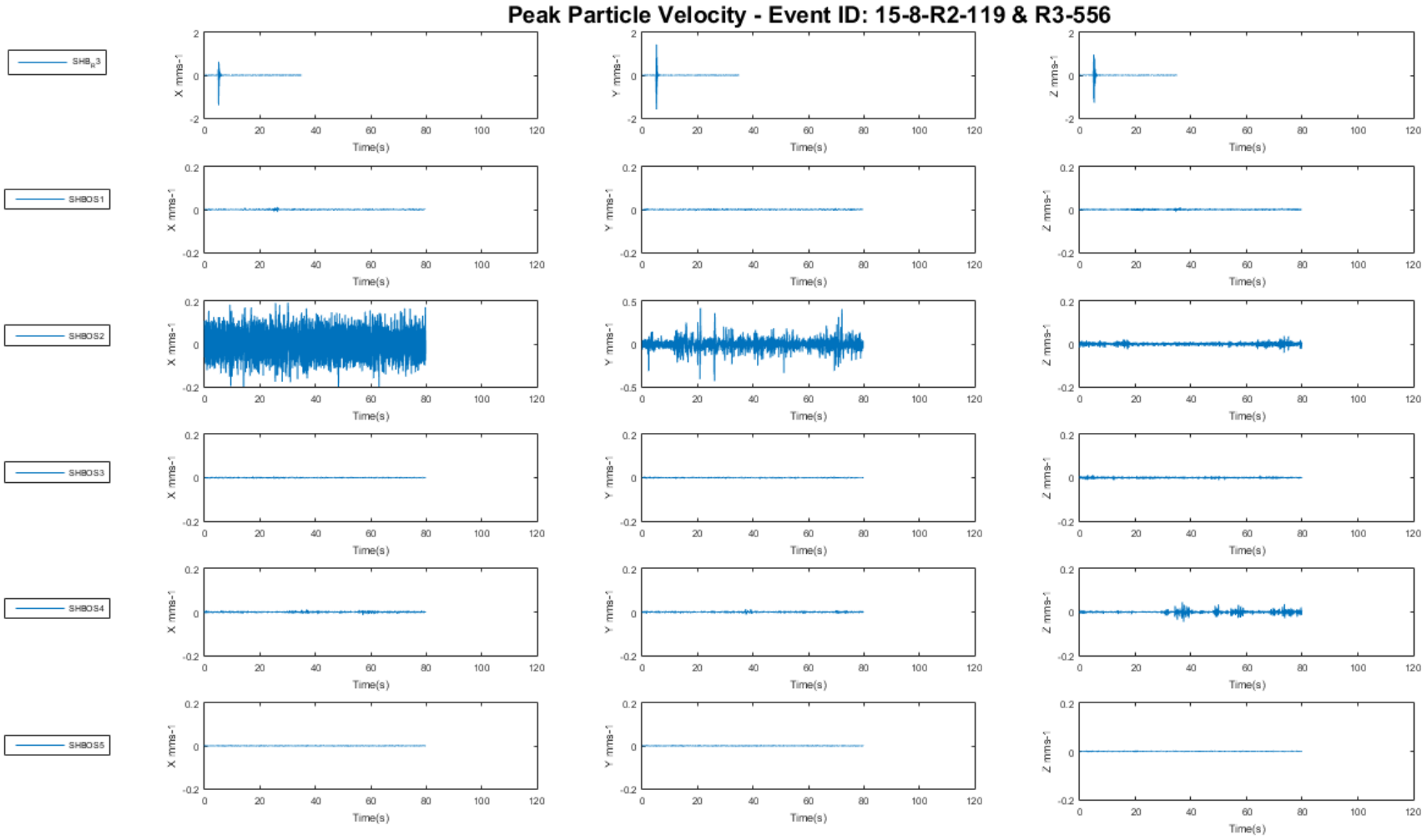


FIGURE 3.505: SHB_OS 1 - 5 15-8-R2-119 & R3-556

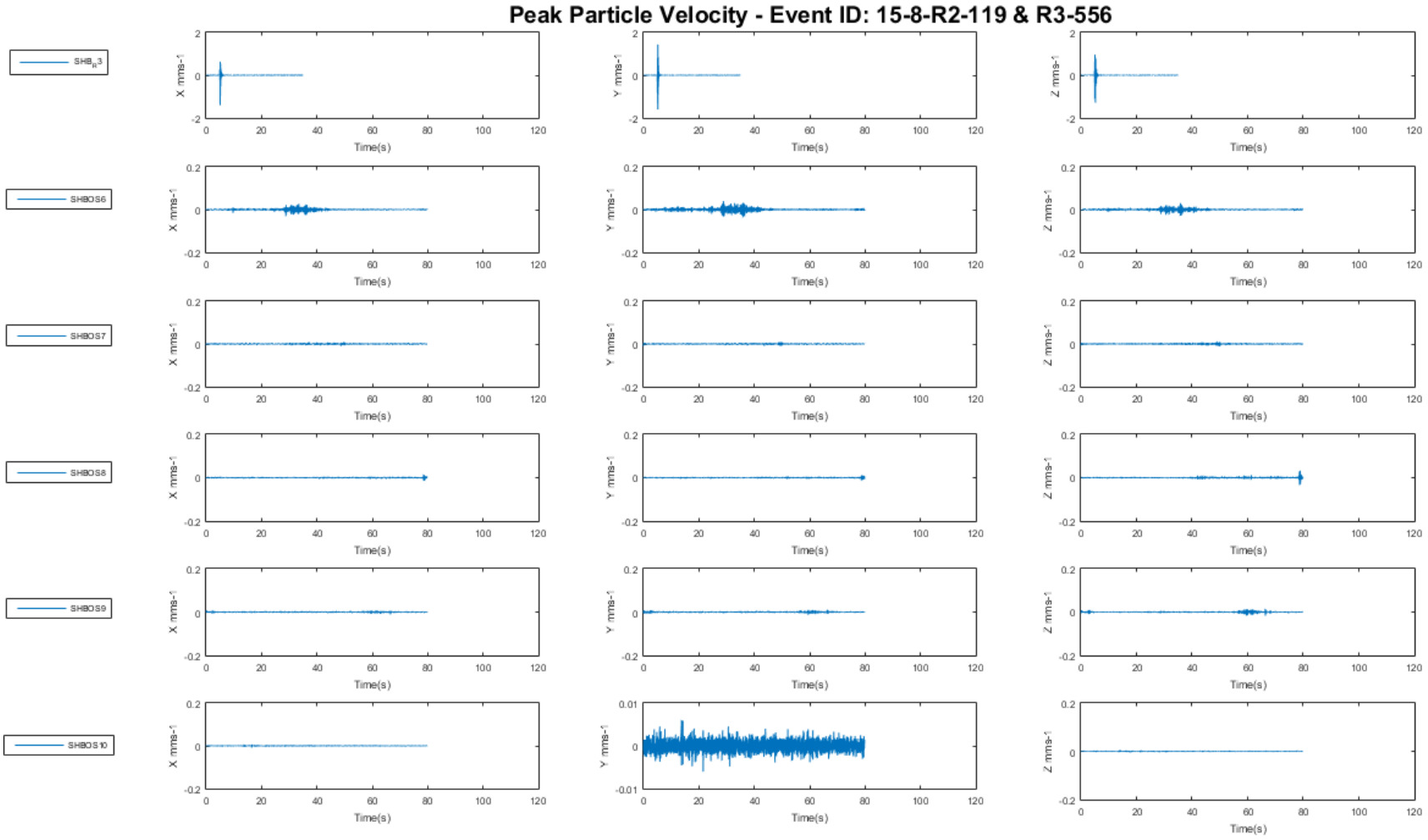


FIGURE 3.506: SHB_OS 6 - 10 15-8-R2-119 & R3-556

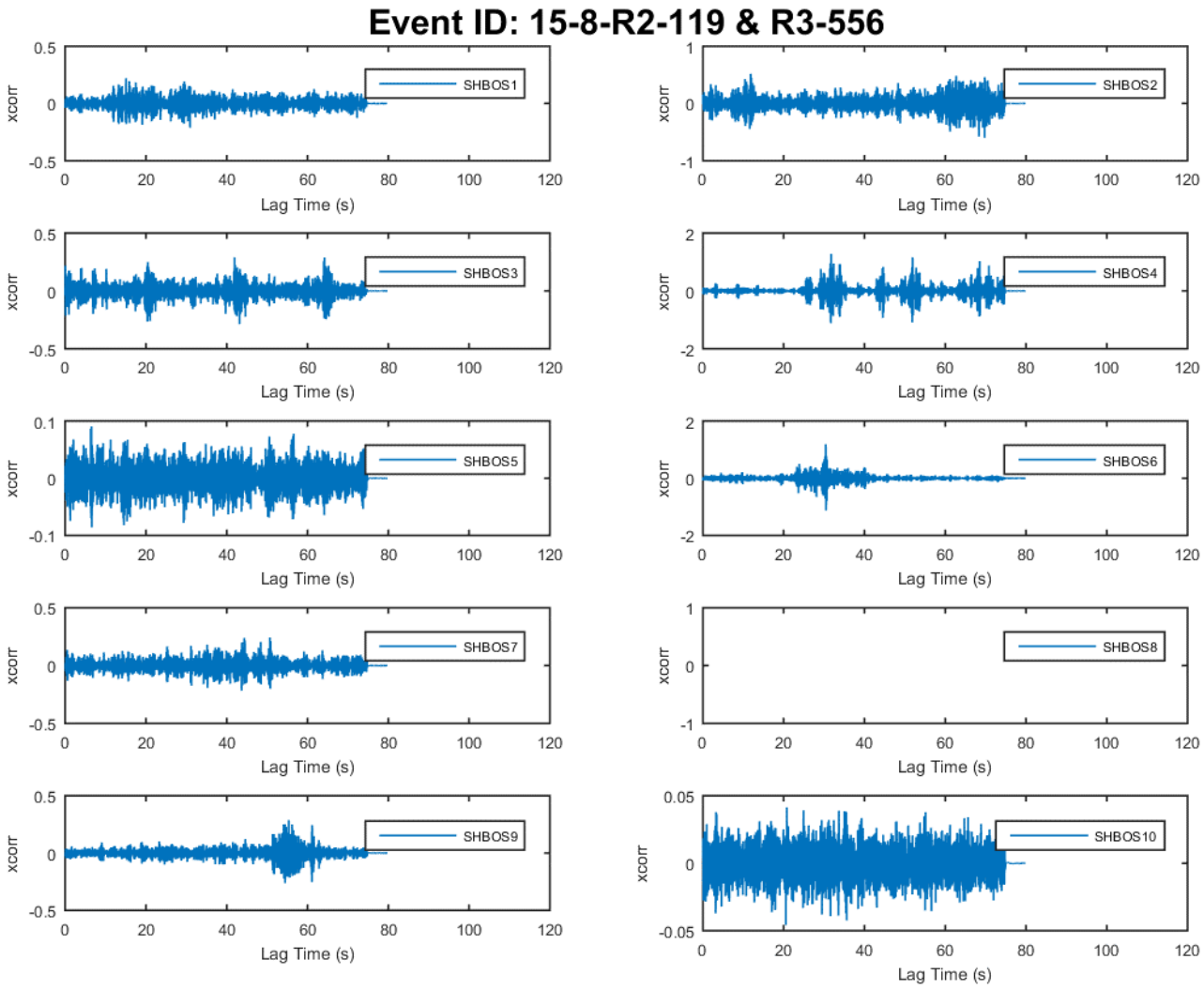


FIGURE 3.507: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-119 & R3-556

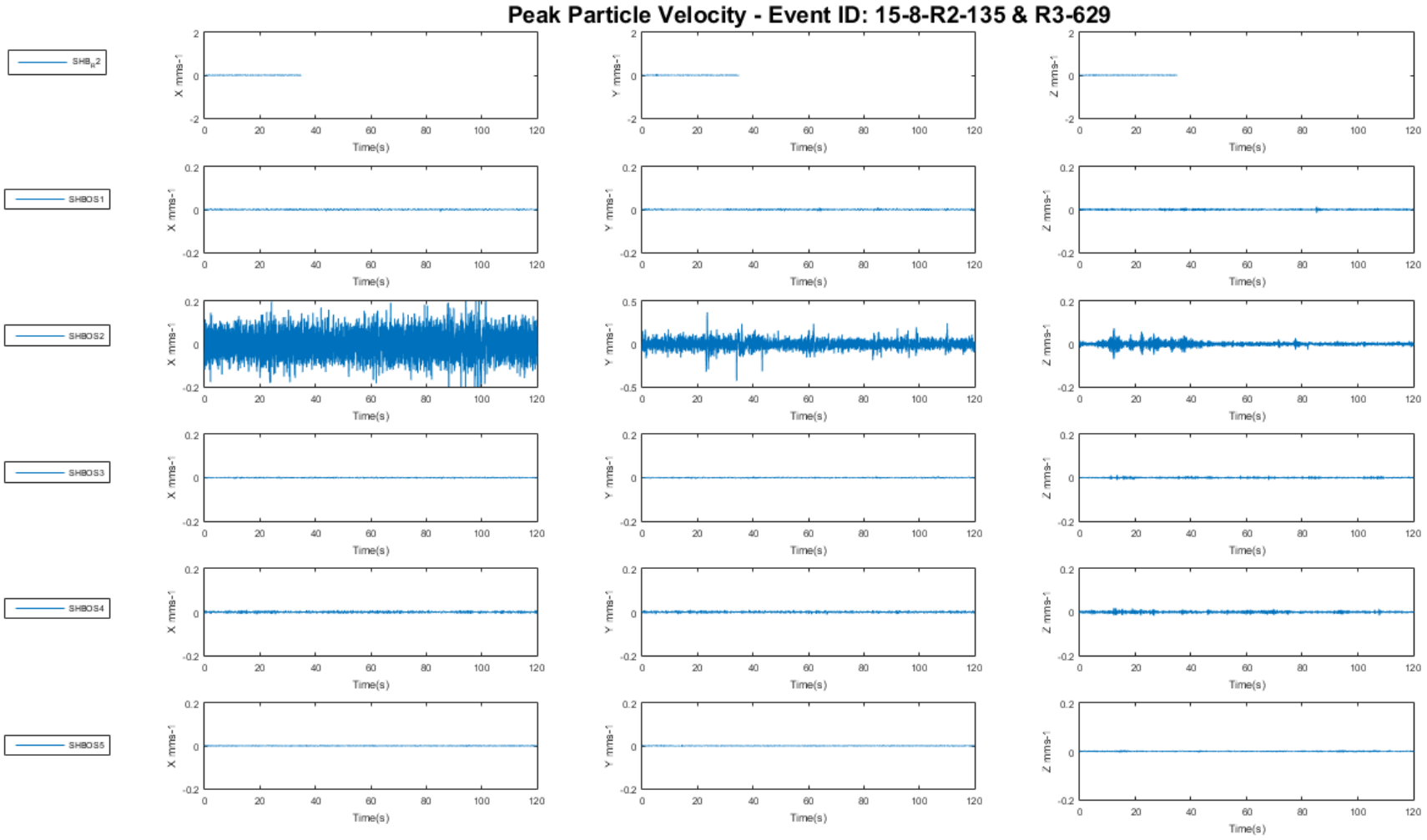


FIGURE 3.508: SHB_OS 1 - 5 15-8-R2-135 & R3-629

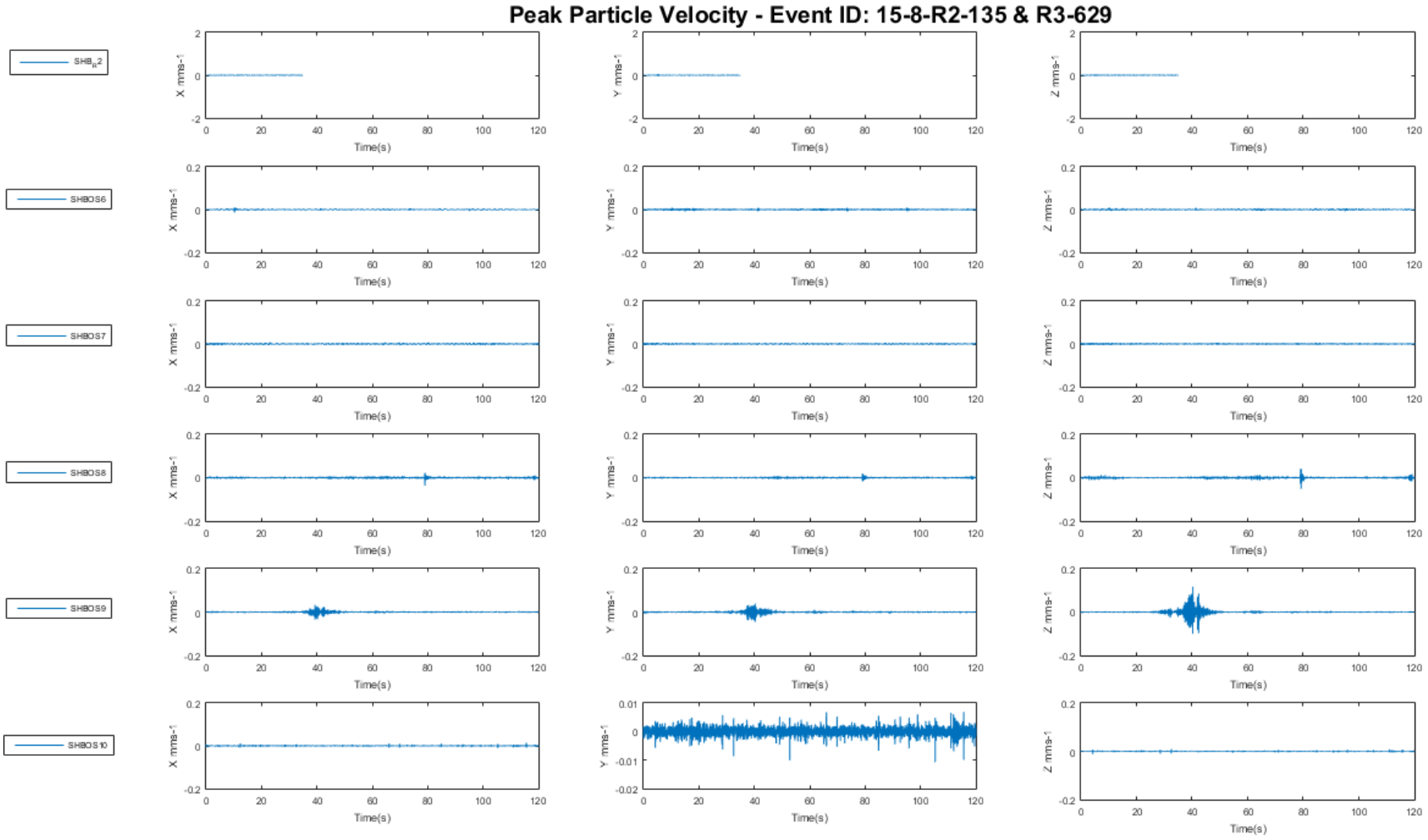


FIGURE 3.509: SHB_OS 6 - 10 15-8-R2-135 & R3-629

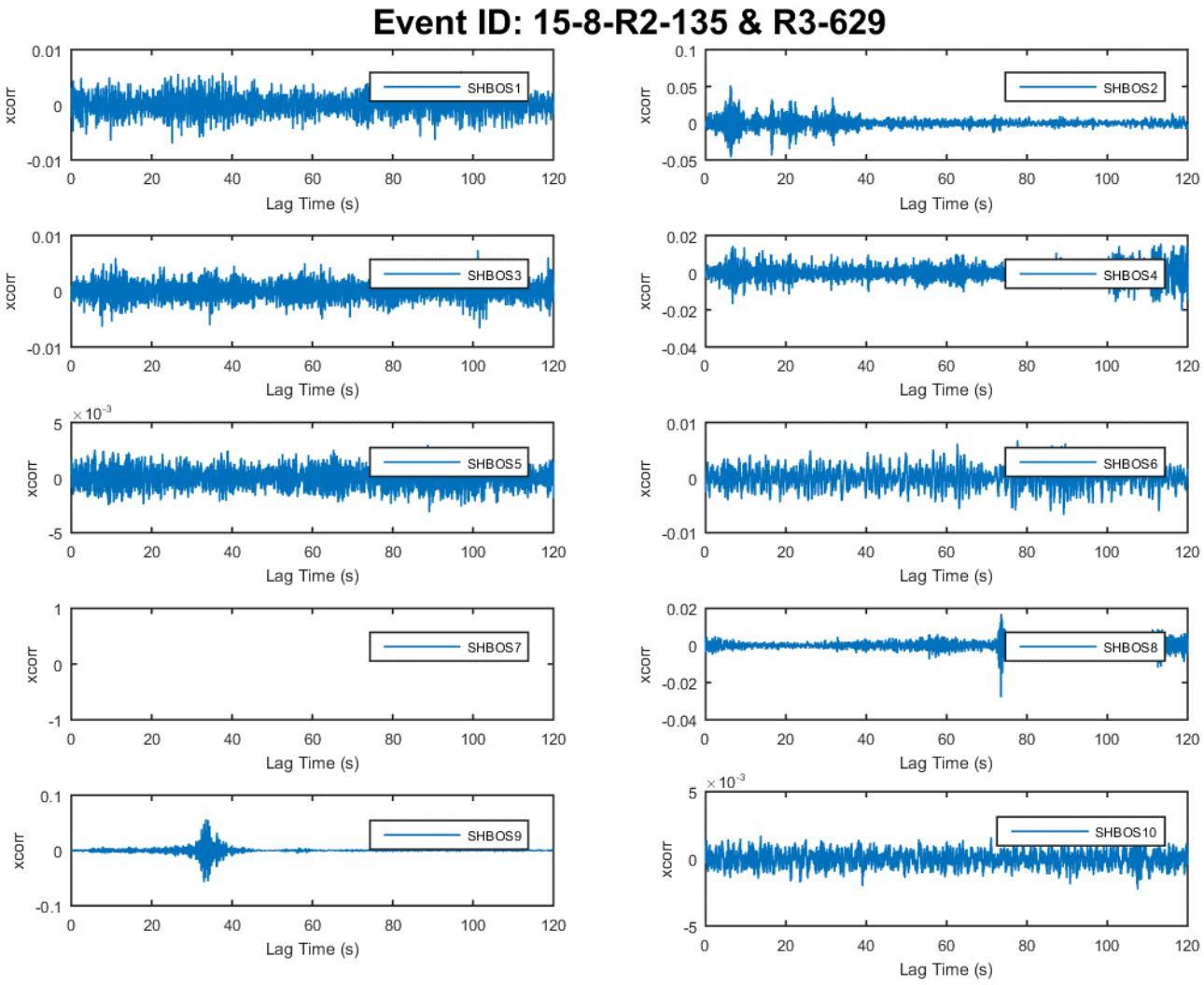


FIGURE 3.510: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-135 & R3-629

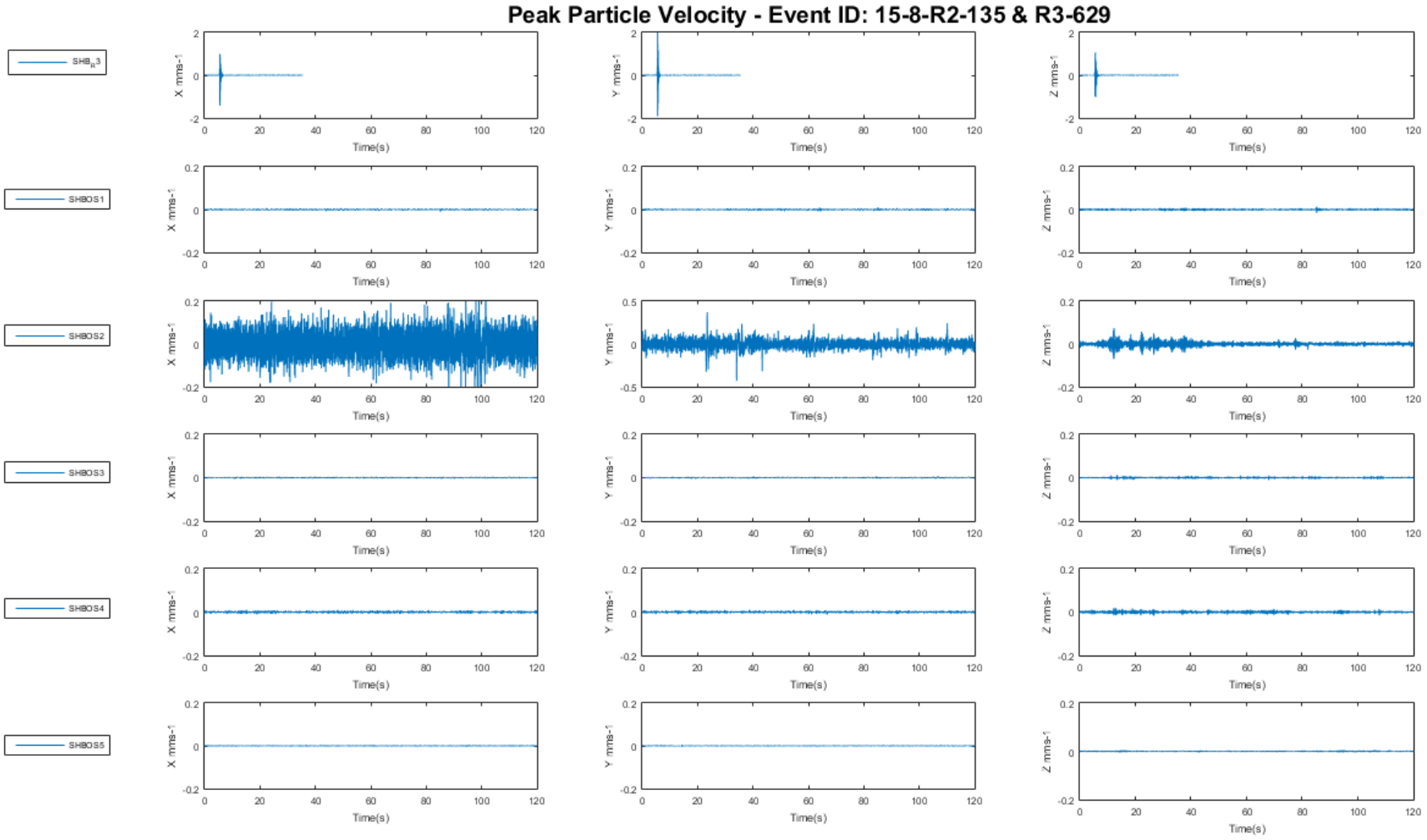


FIGURE 3.511: SHB_OS 1 - 5 15-8-R2-135 & R3-629

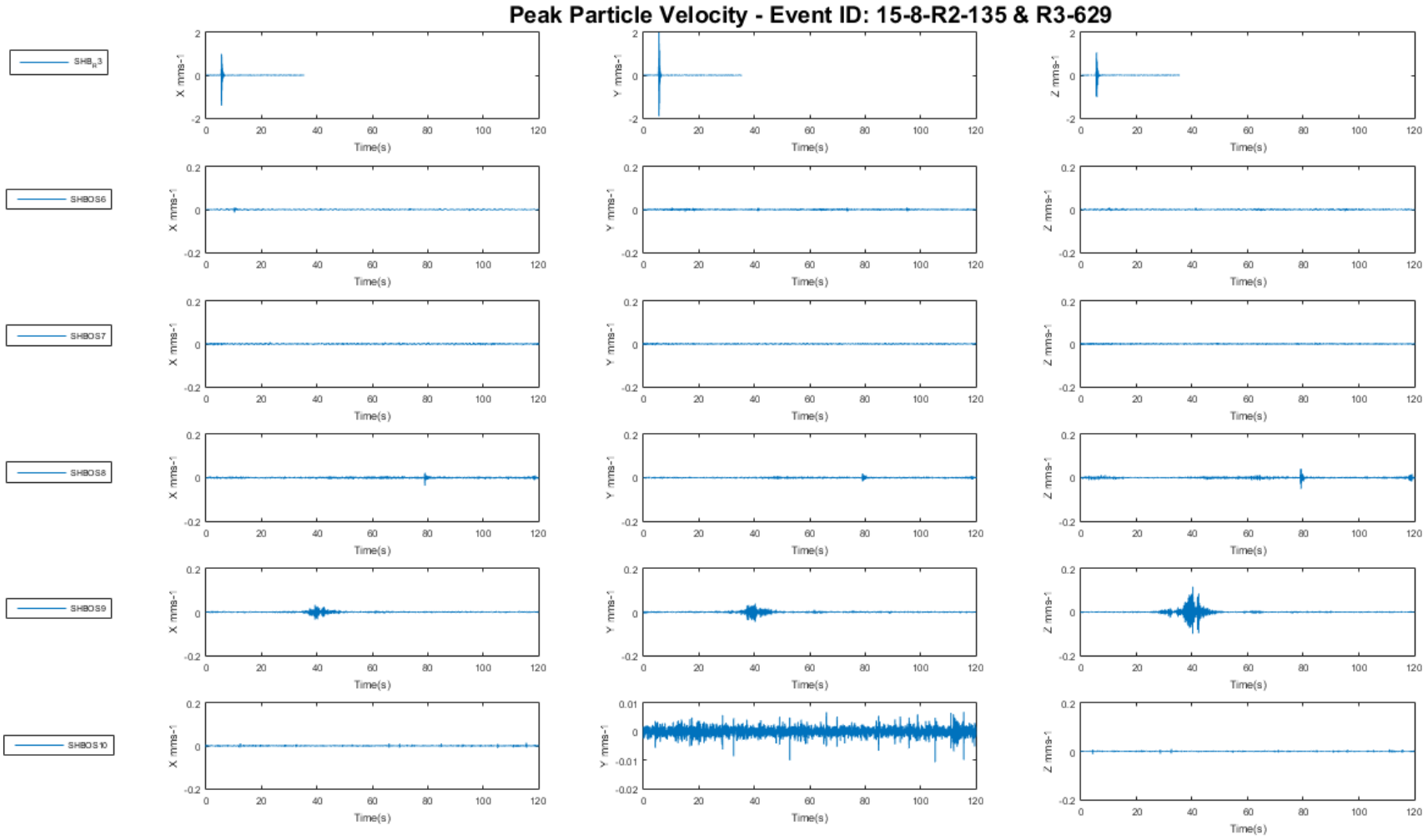


FIGURE 3.512: SHB_OS 6 - 10 15-8-R2-135 & R3-629

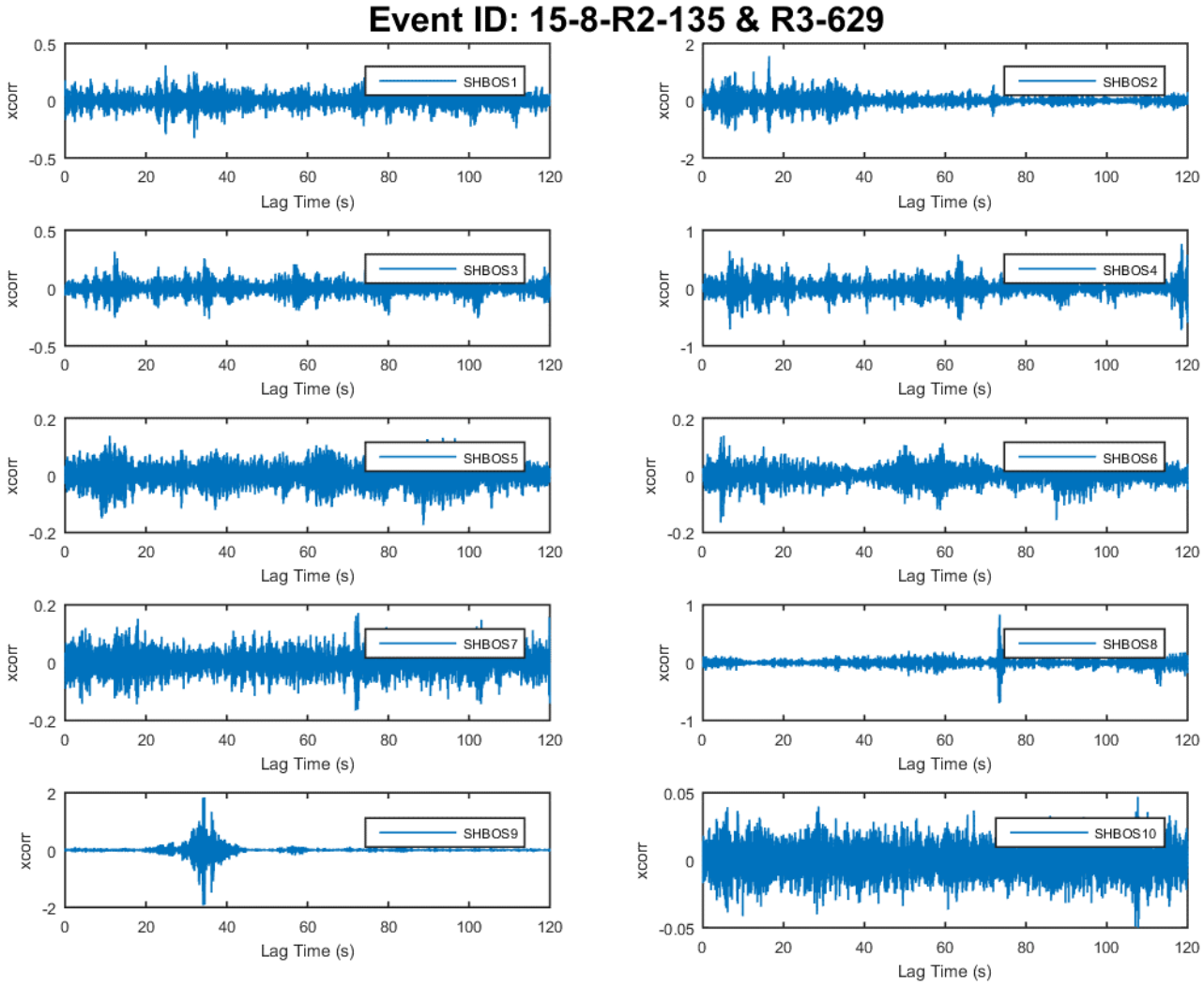


FIGURE 3.513: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-135 & R3-629

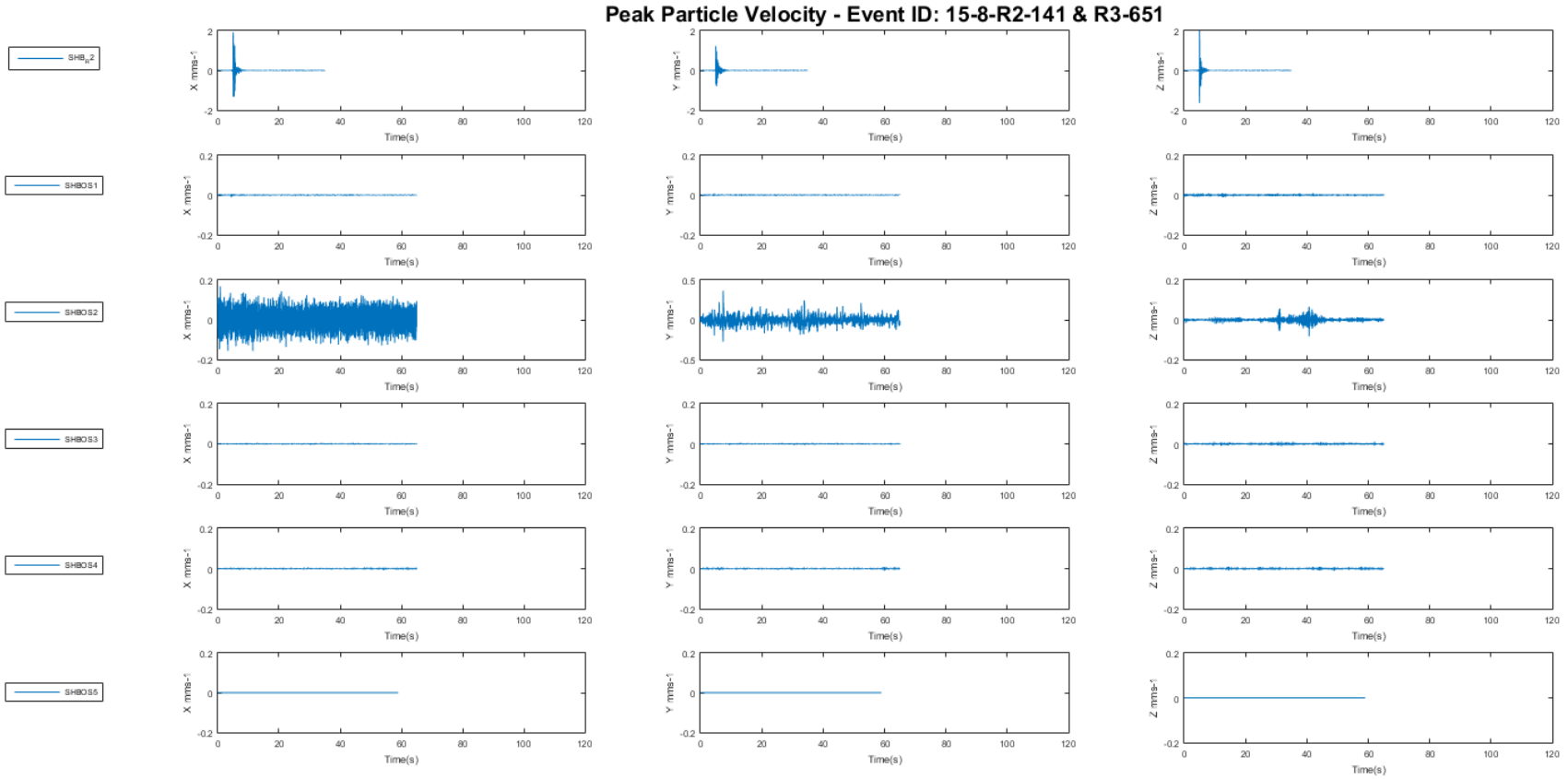
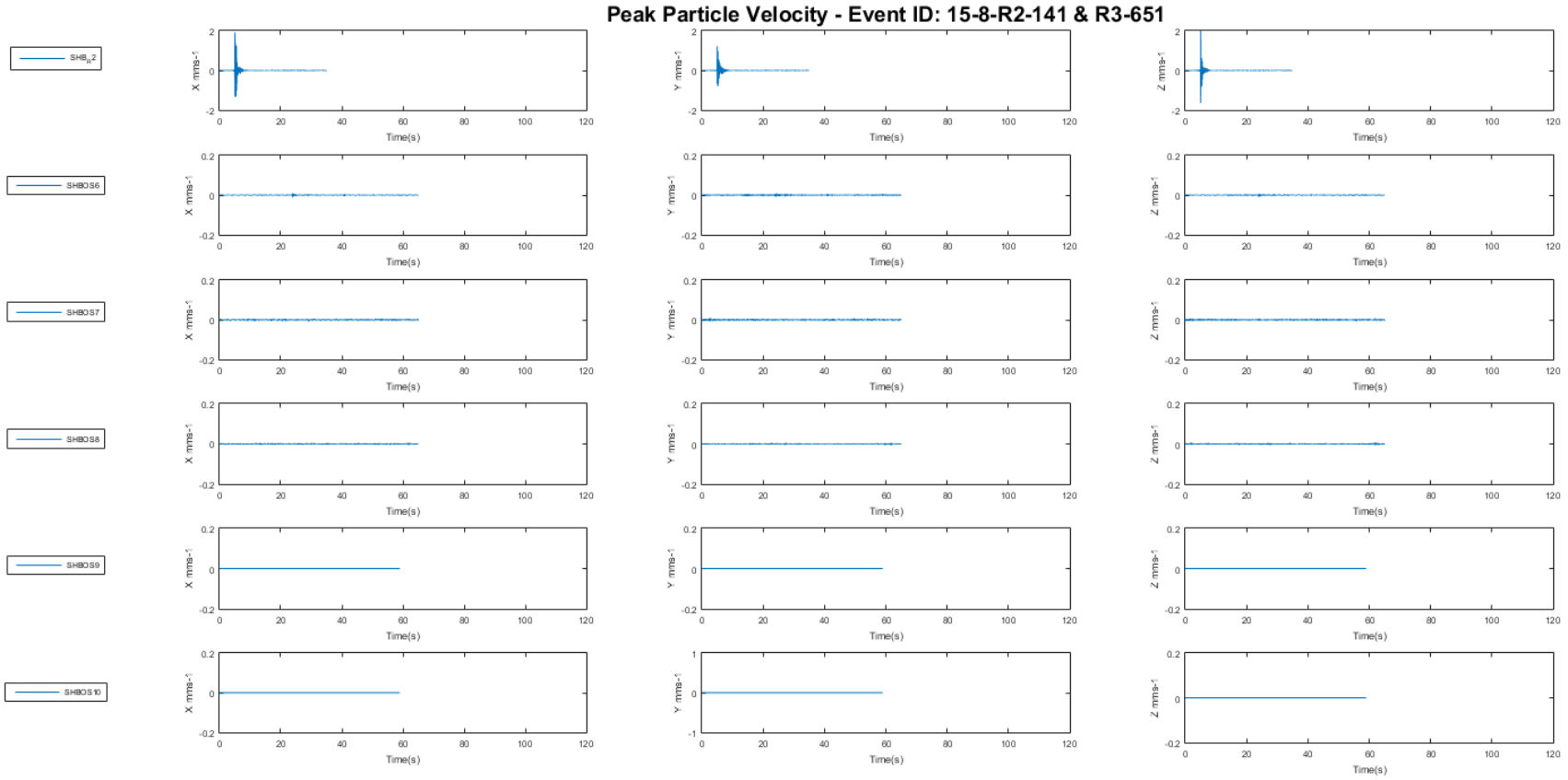


FIGURE 3.514: SHB_OS 1 - 5 15-8-R2-141 & R3-651

FIGURE 3.515: SHB_OS 6 - 10 15-8-R2-141 & R3-651



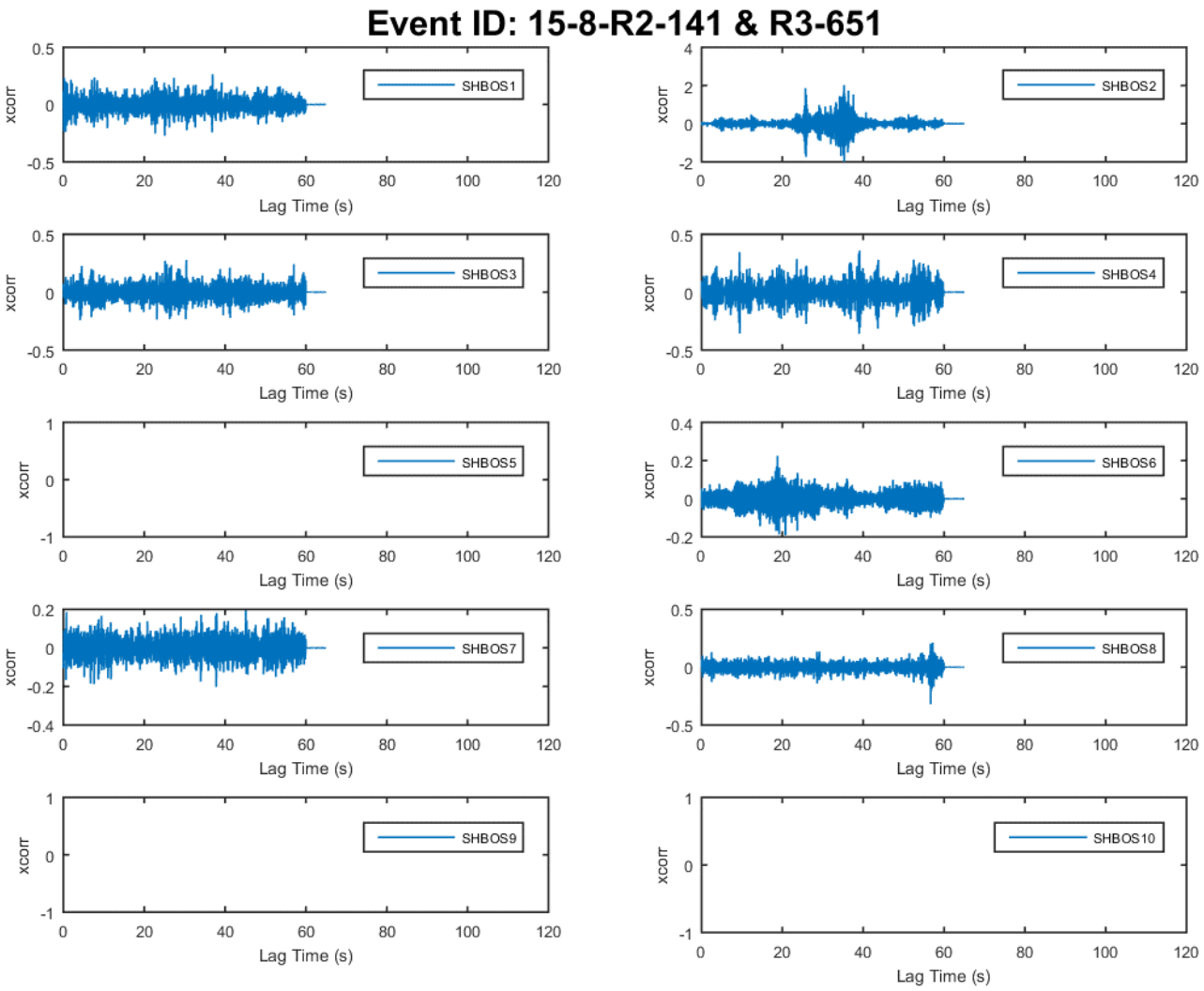


FIGURE 3.516: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-141 & R3-651

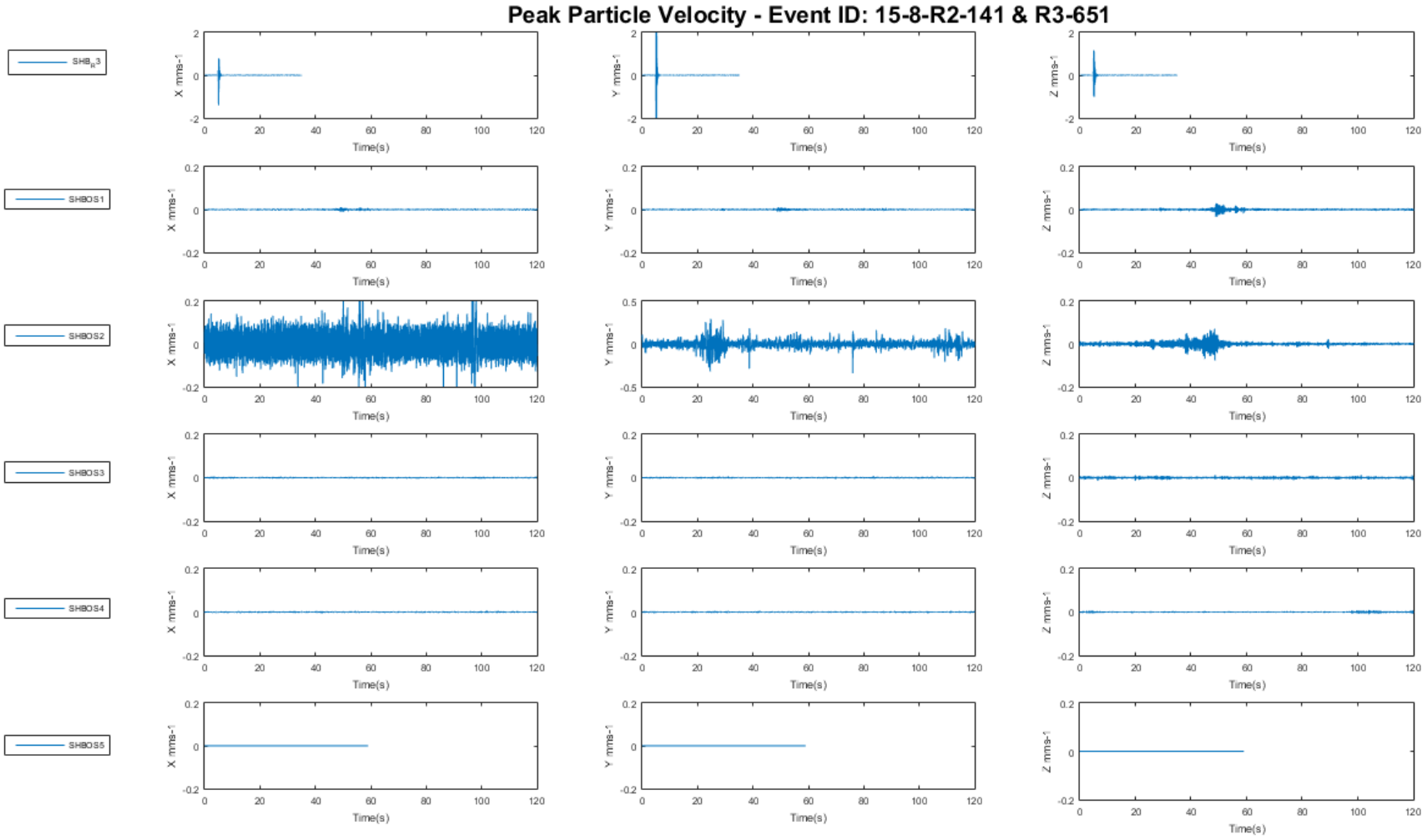


FIGURE 3.517: SHB_OS 1 - 5 15-8-R2-141 & R3-651

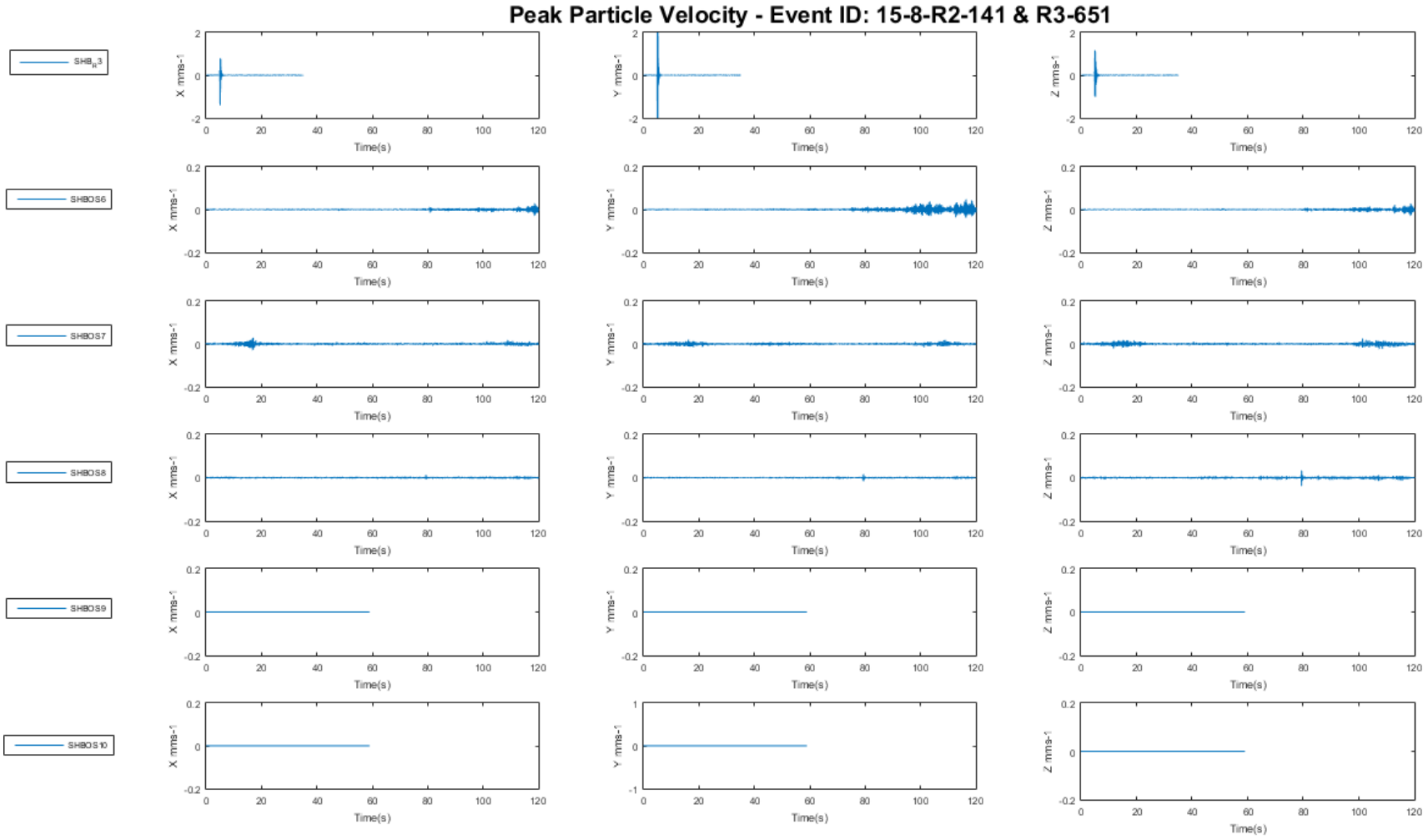


FIGURE 3.518: SHB_OS 6 - 10 15-8-R2-141 & R3-651

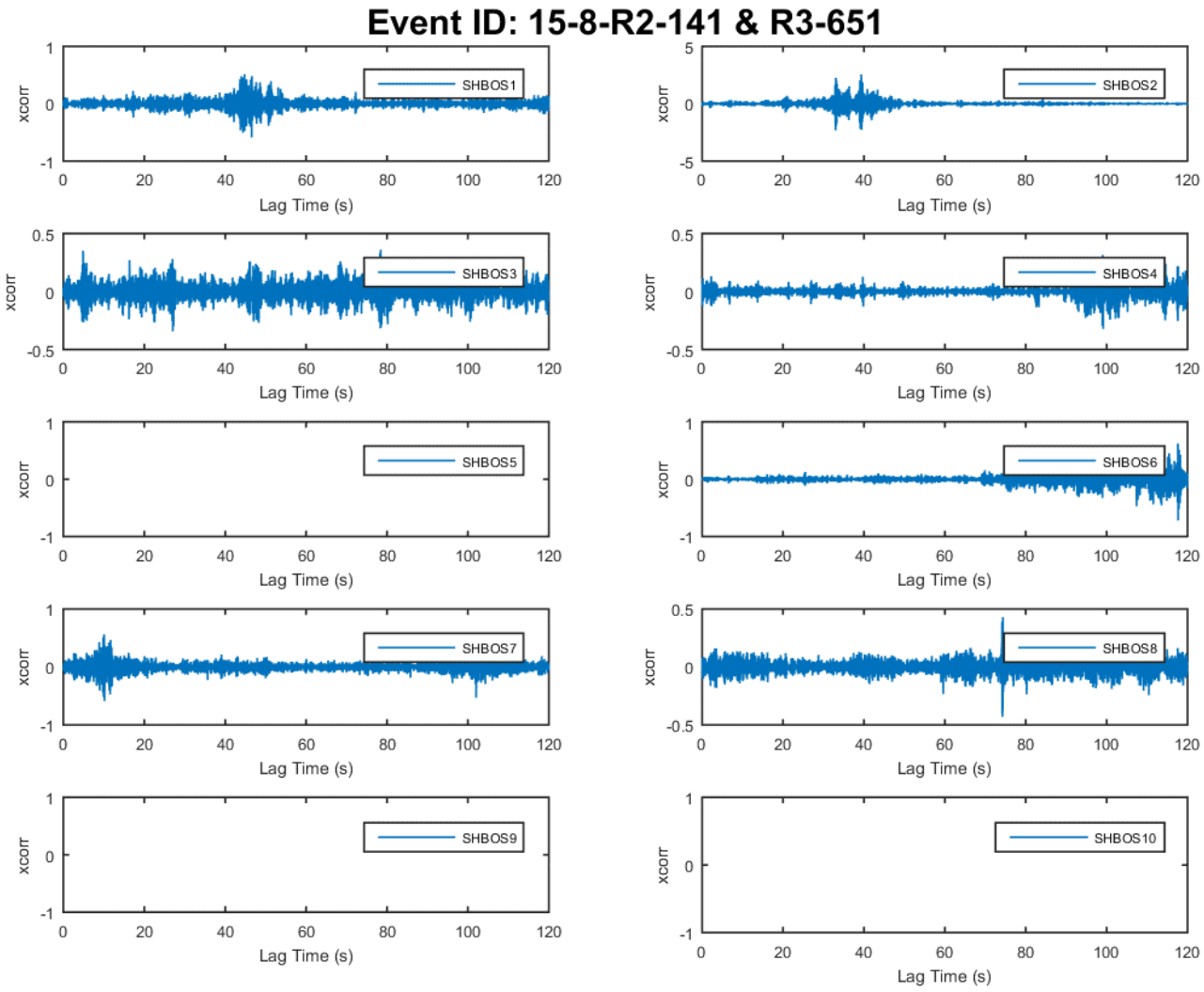


FIGURE 3.519: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-141 & R3-651

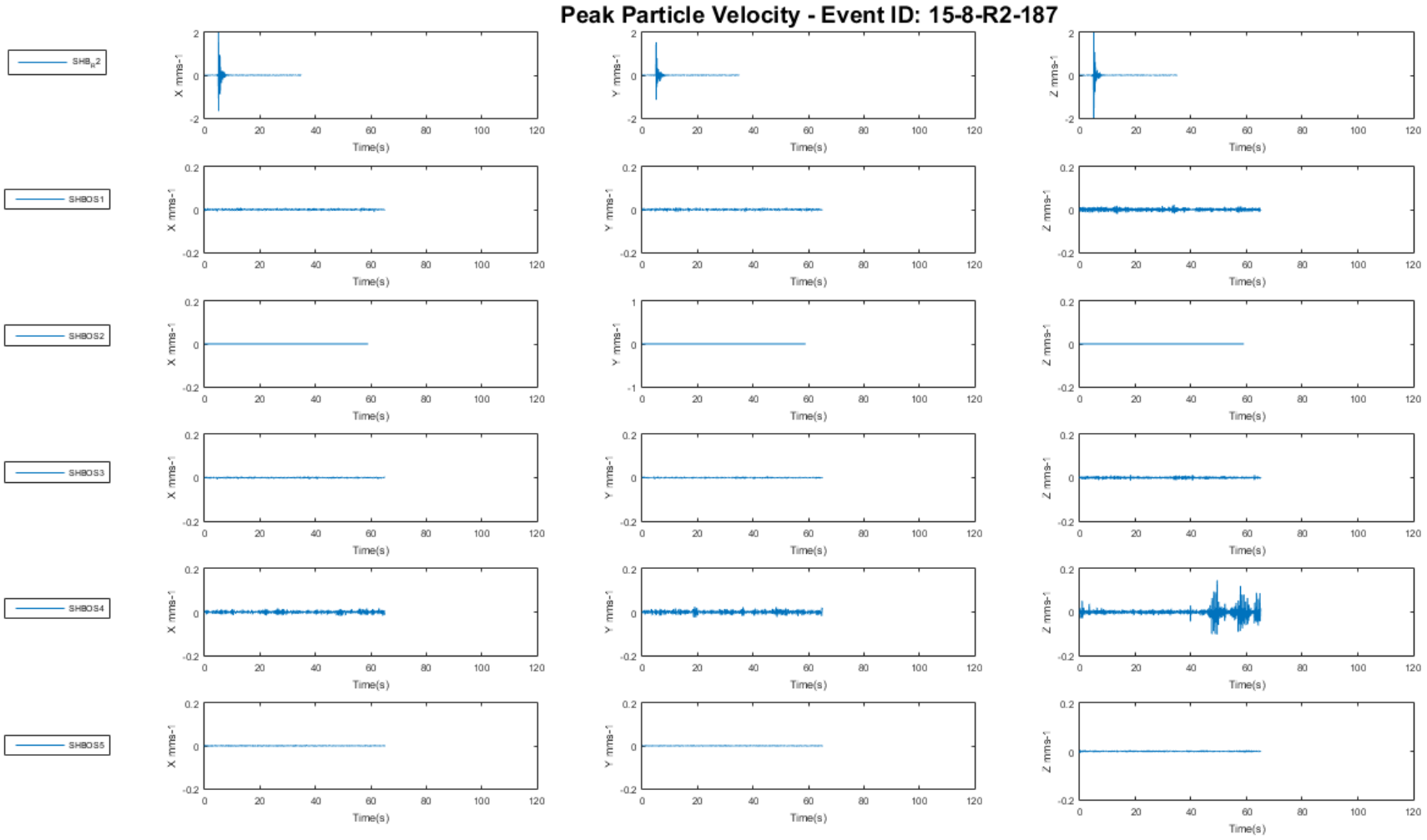


FIGURE 3.520: SHB_OS 1 - 5 15-8-R2-187

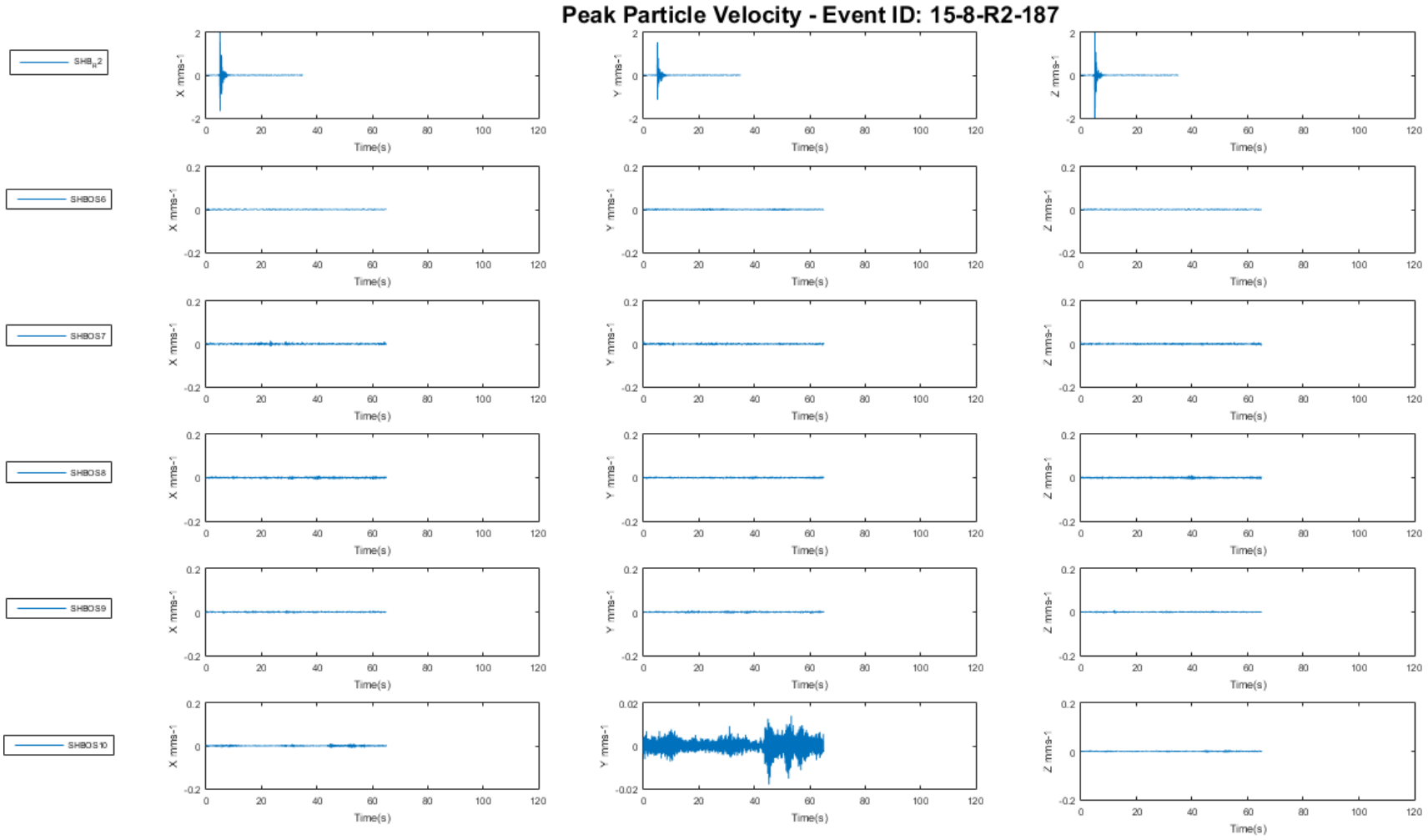


FIGURE 3.521: SHB_OS 6 - 10 15-8-R2-187

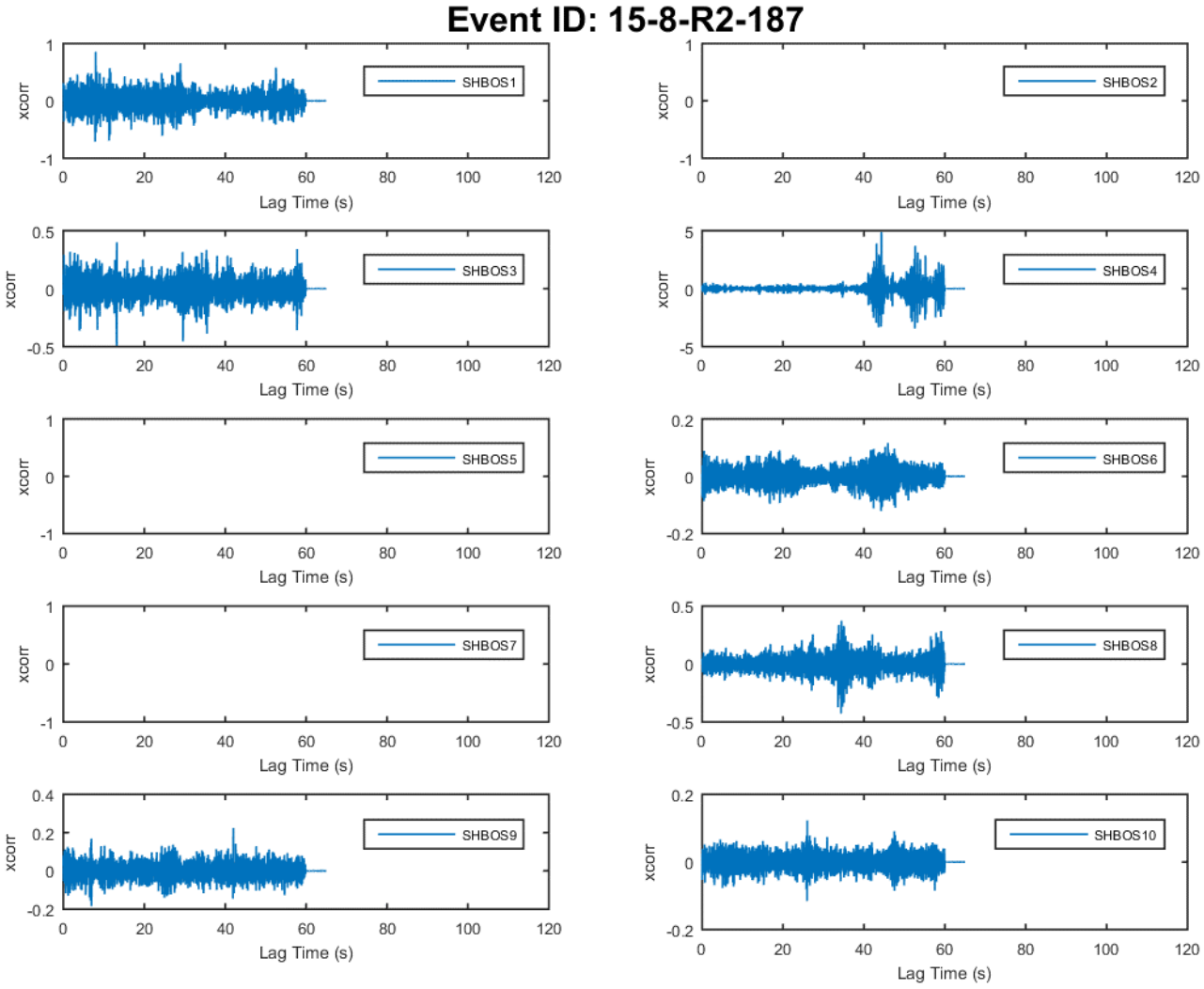


FIGURE 3.522: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-187

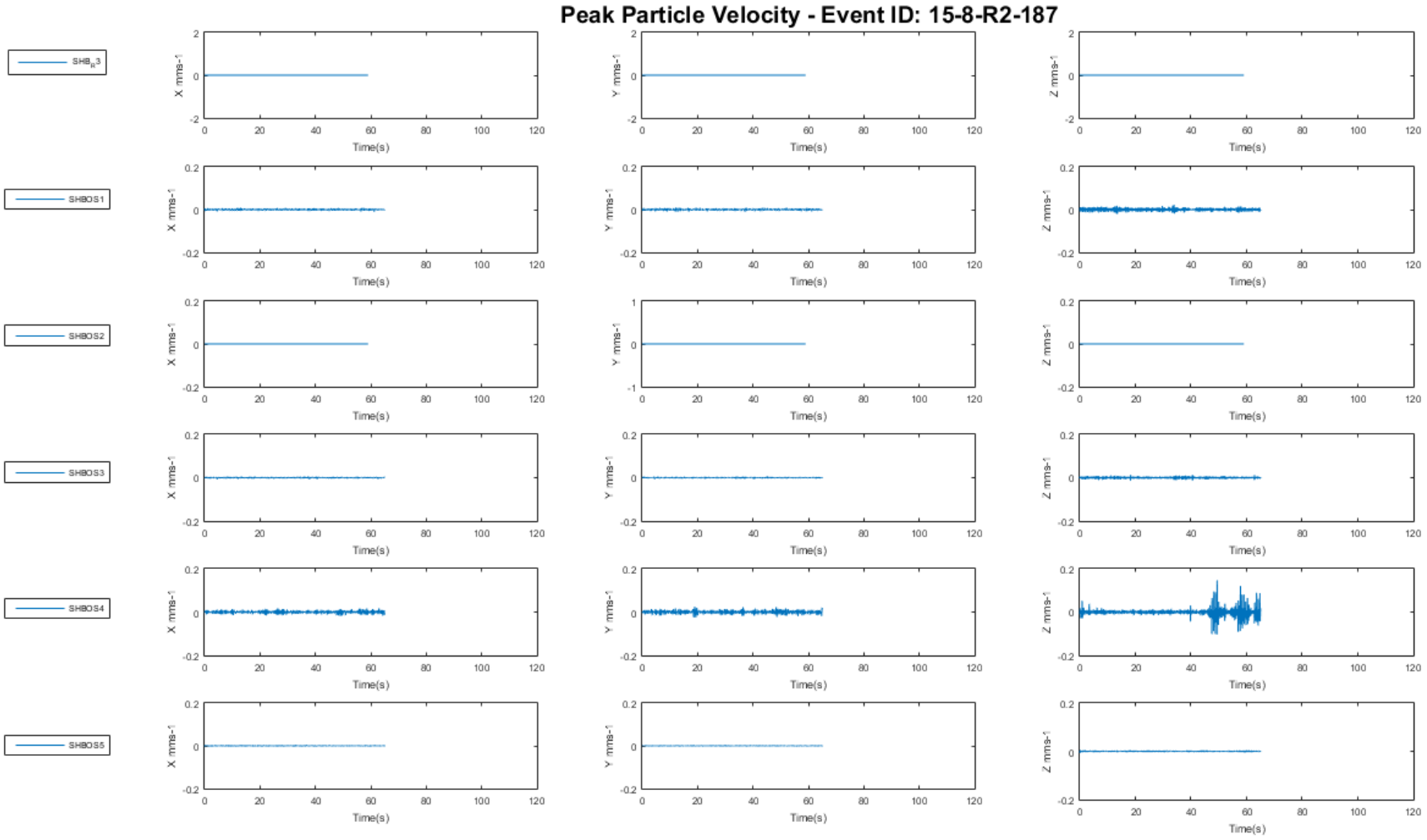


FIGURE 3.523: SHB_OS 1 - 5 15-8-R2-187

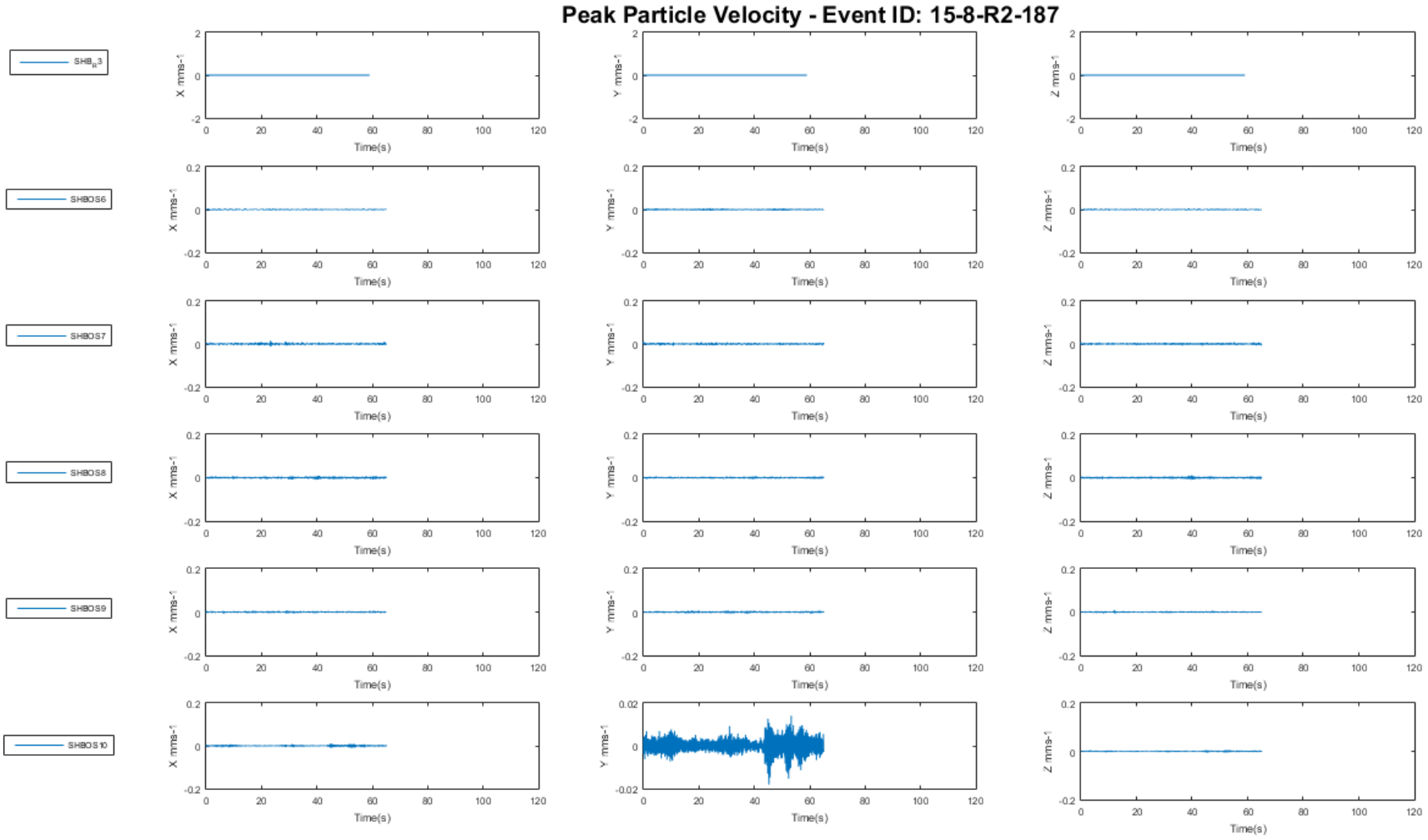


FIGURE 3.524: SHB_OS 6 - 10 15-8-R2-187

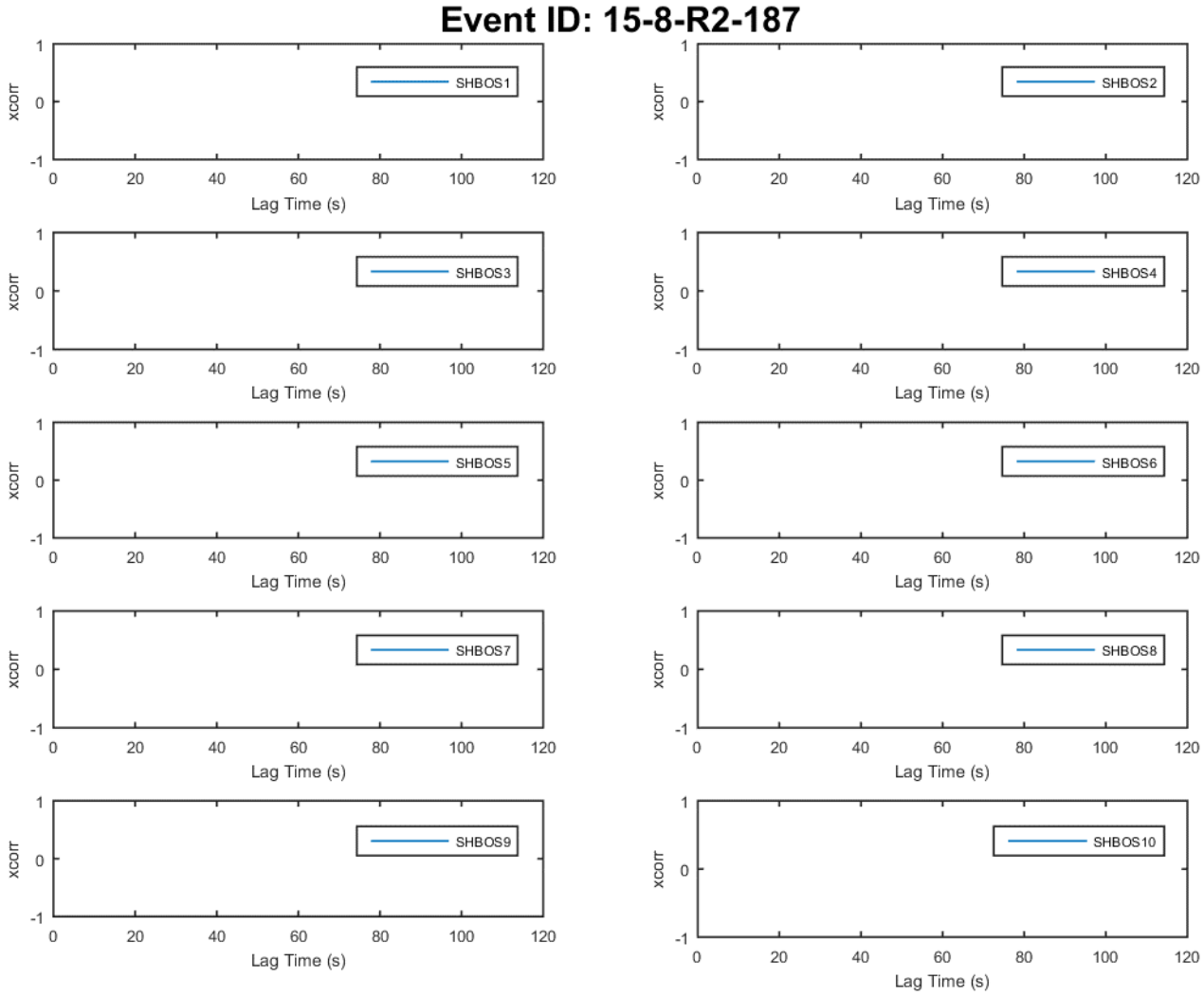


FIGURE 3.525: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-187

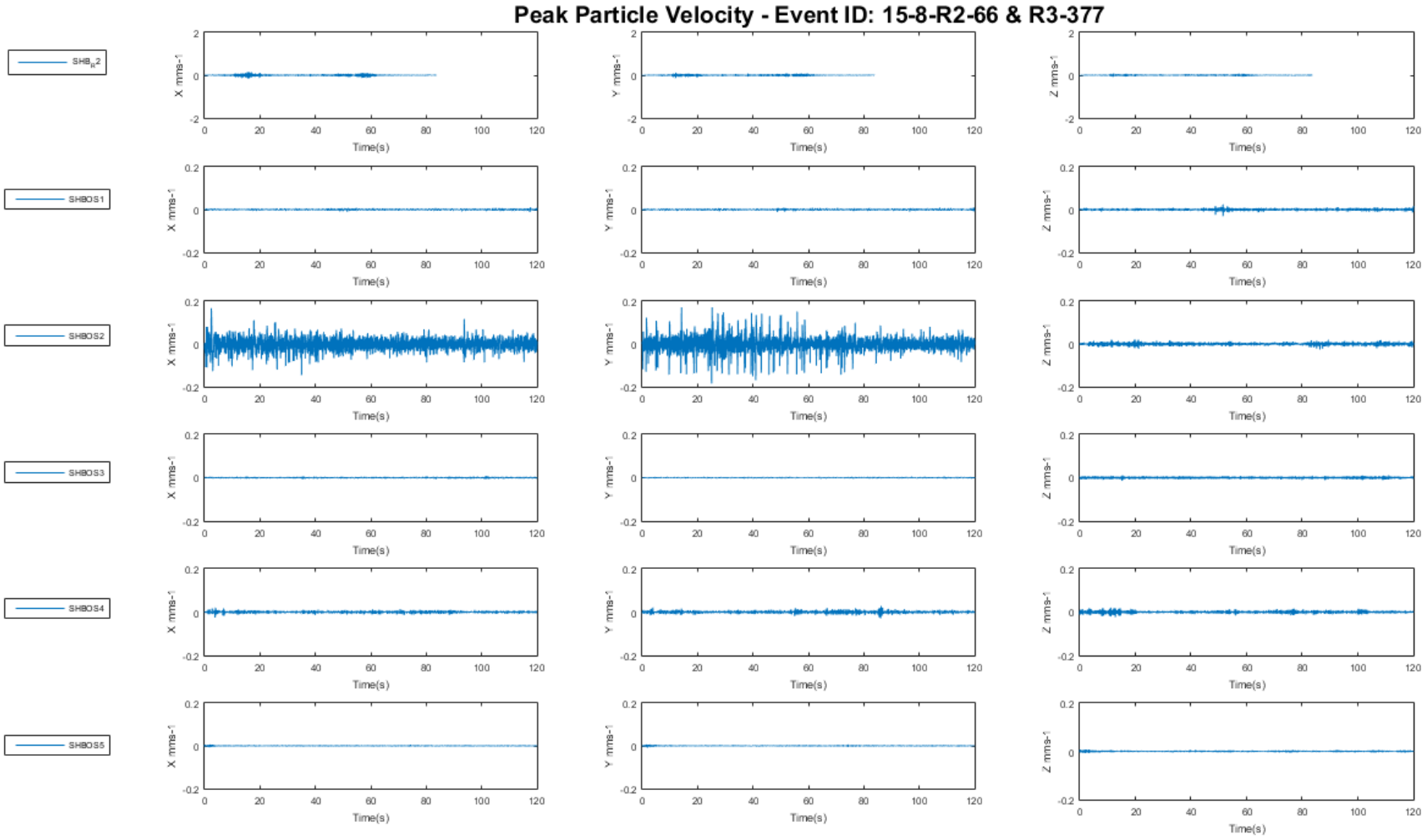


FIGURE 3.526: SHB_OS 1 - 5 15-8-R2-66 & R3-377

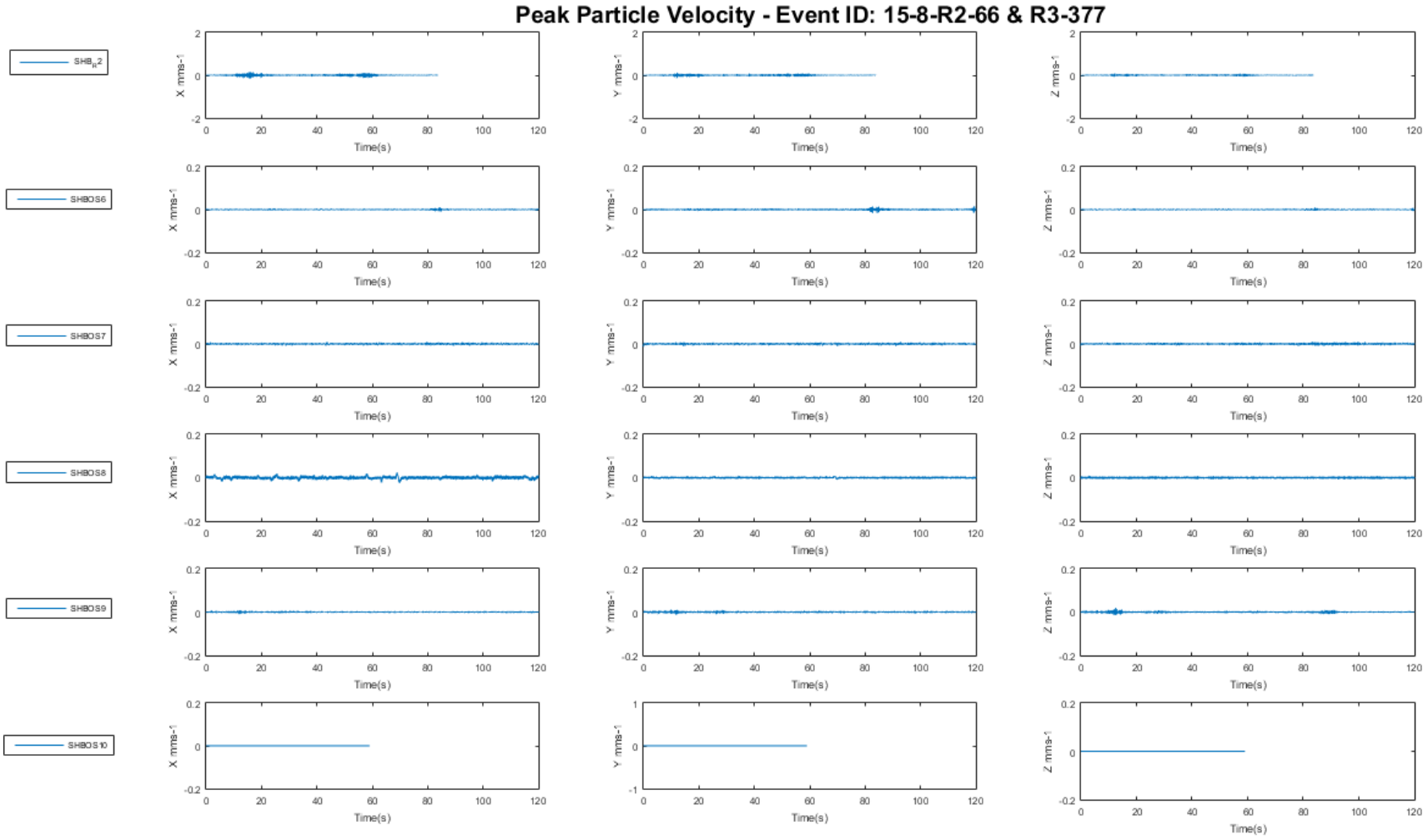


FIGURE 3.527: SHB_OS 6 - 10 15-8-R2-66 & R3-377

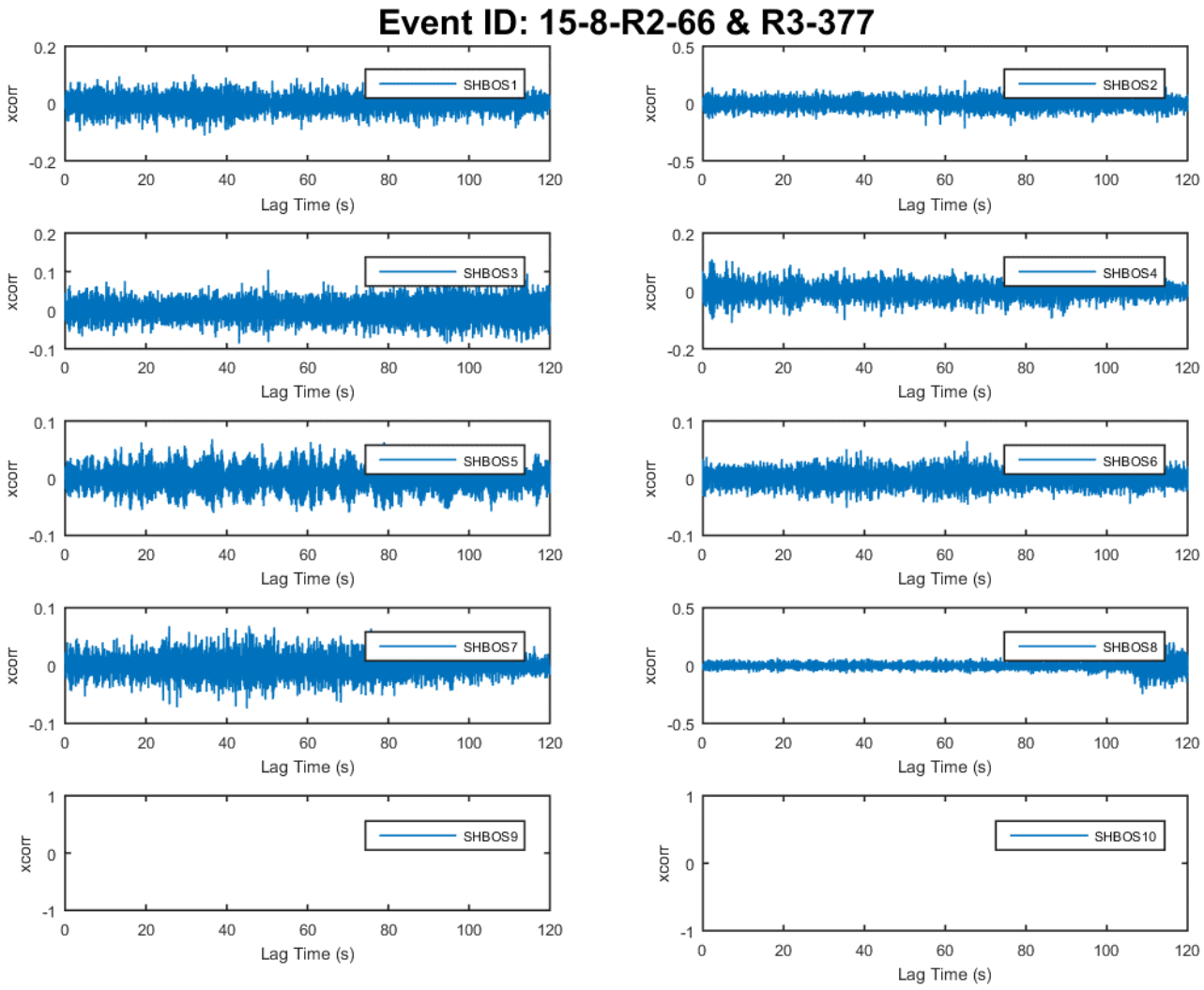


FIGURE 3.528: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-66 & R3-377

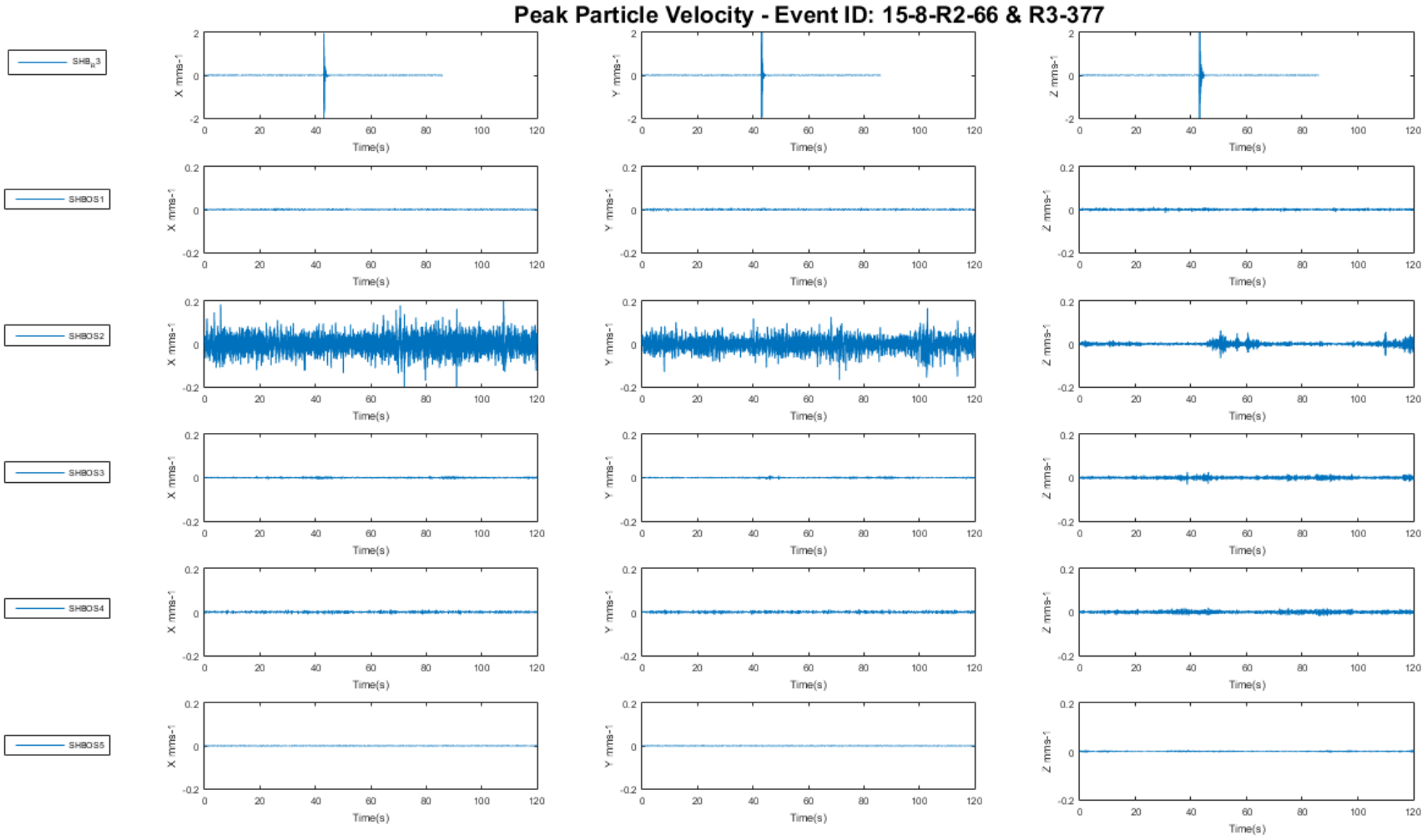


FIGURE 3.529: SHB_OS 1 - 5 15-8-R2-66 & R3-377

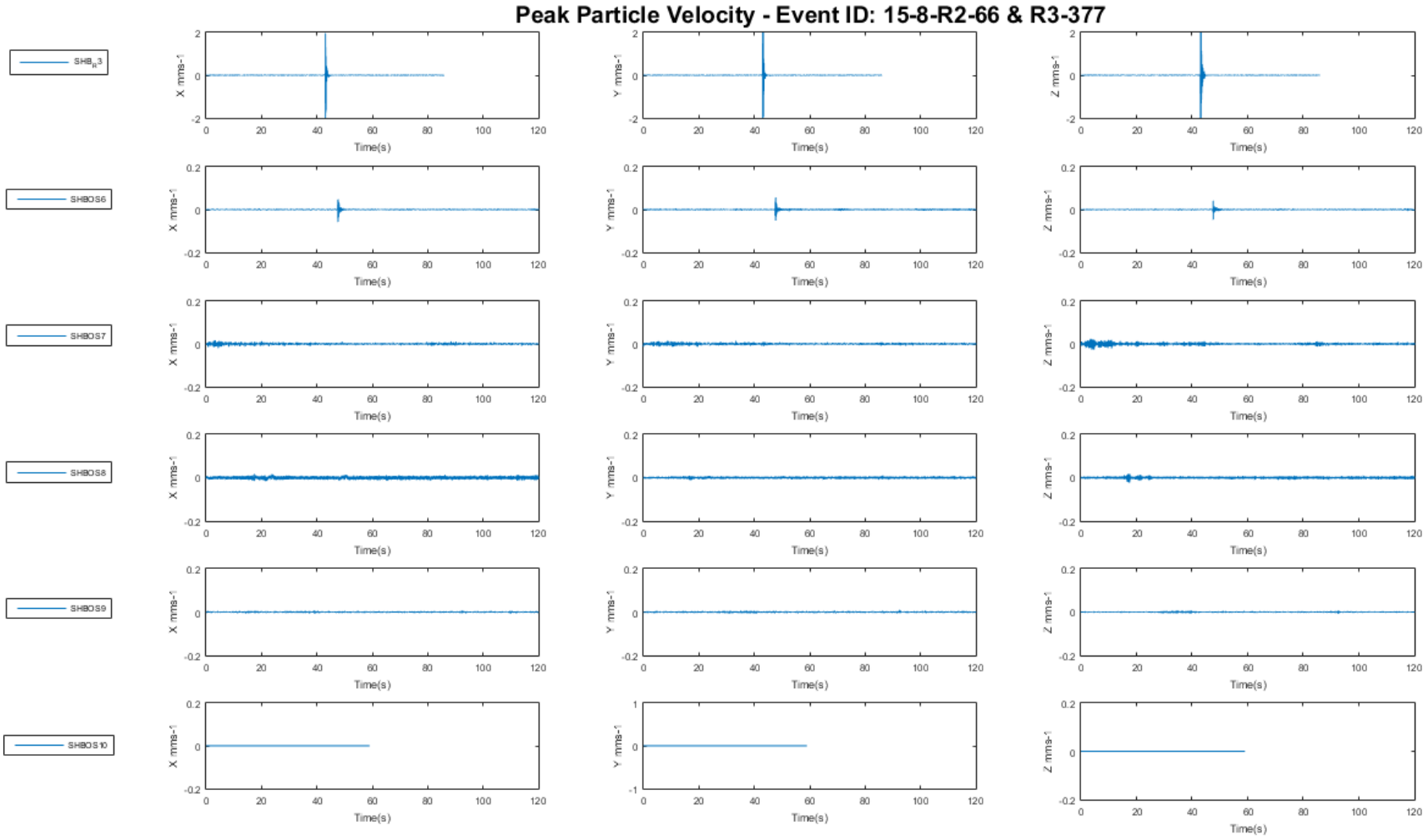


FIGURE 3.530: SHB_OS 6 - 10 15-8-R2-66 & R3-377

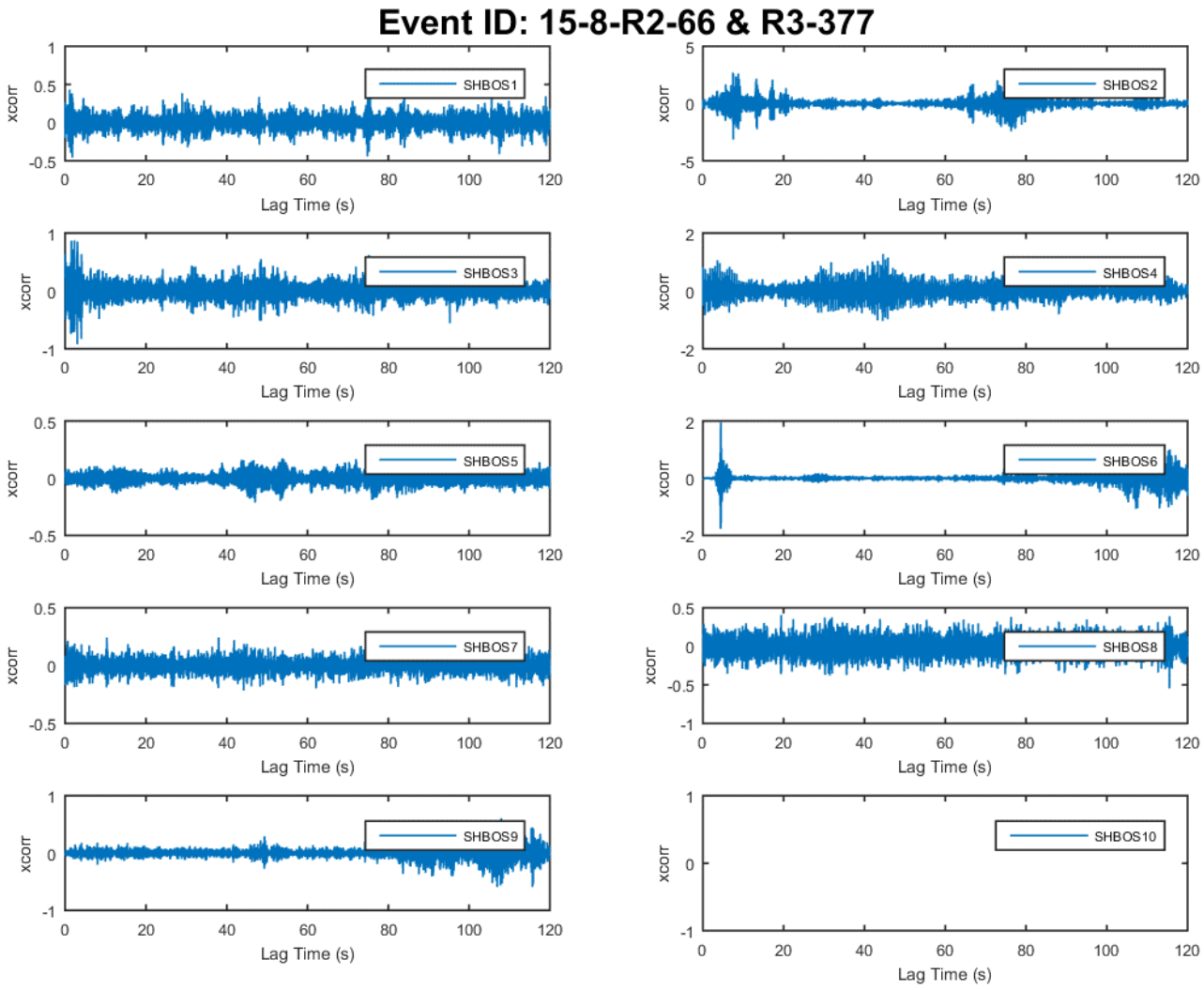


FIGURE 3.531: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-66 & R3-377

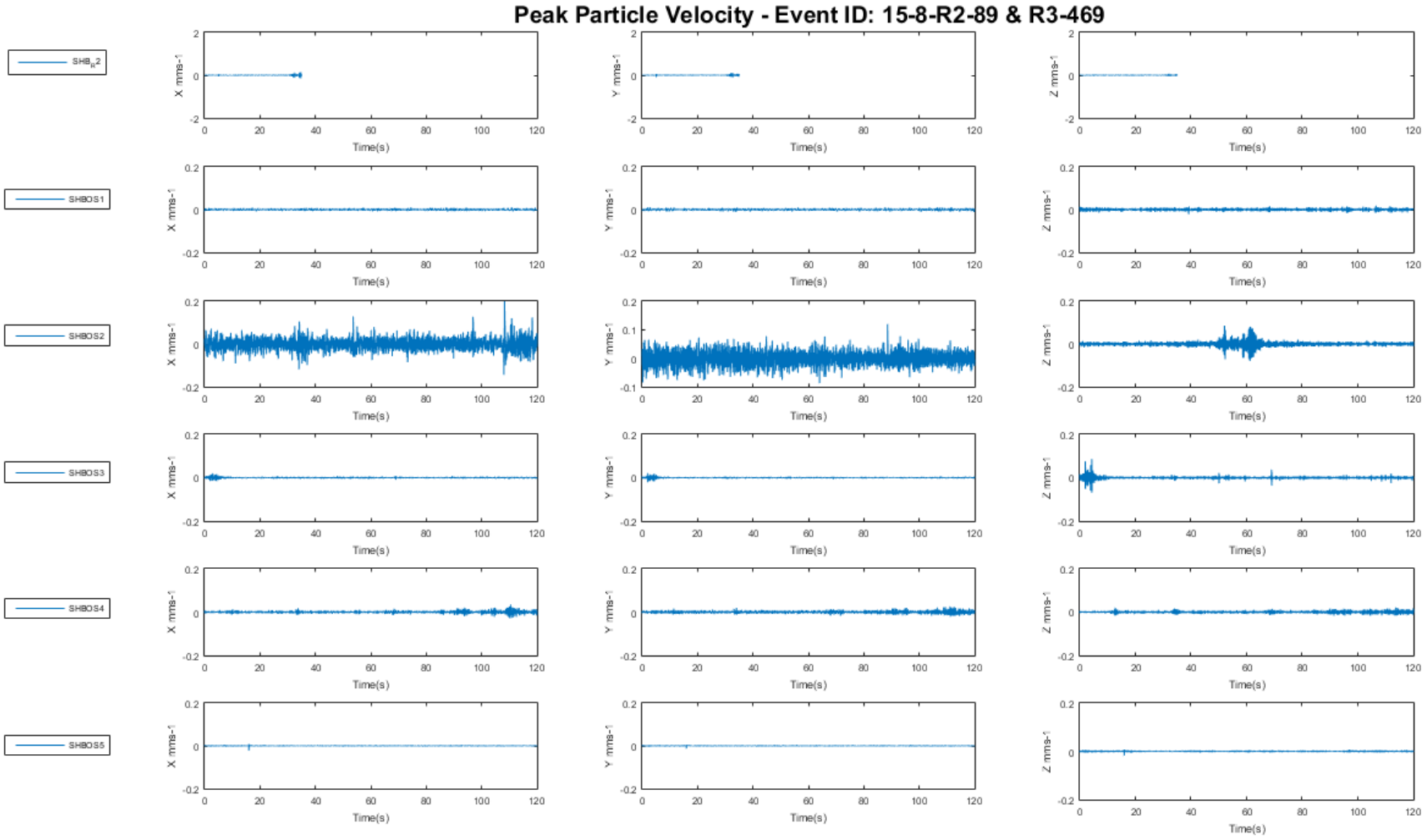


FIGURE 3.532: SHB_OS 1 - 5 15-8-R2-89 & R3-469

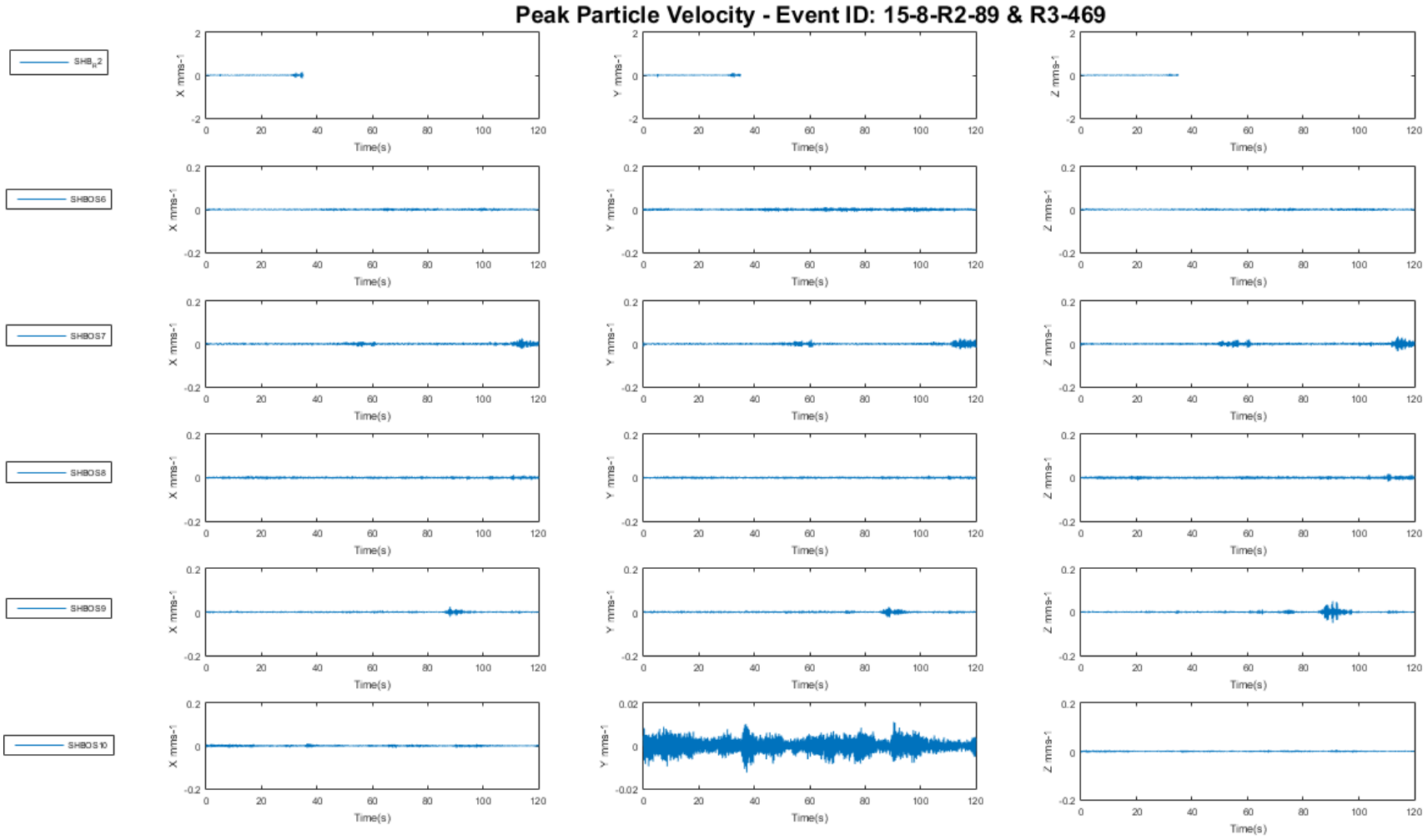


FIGURE 3.533: SHB_OS 6 - 10 15-8-R2-89 & R3-469

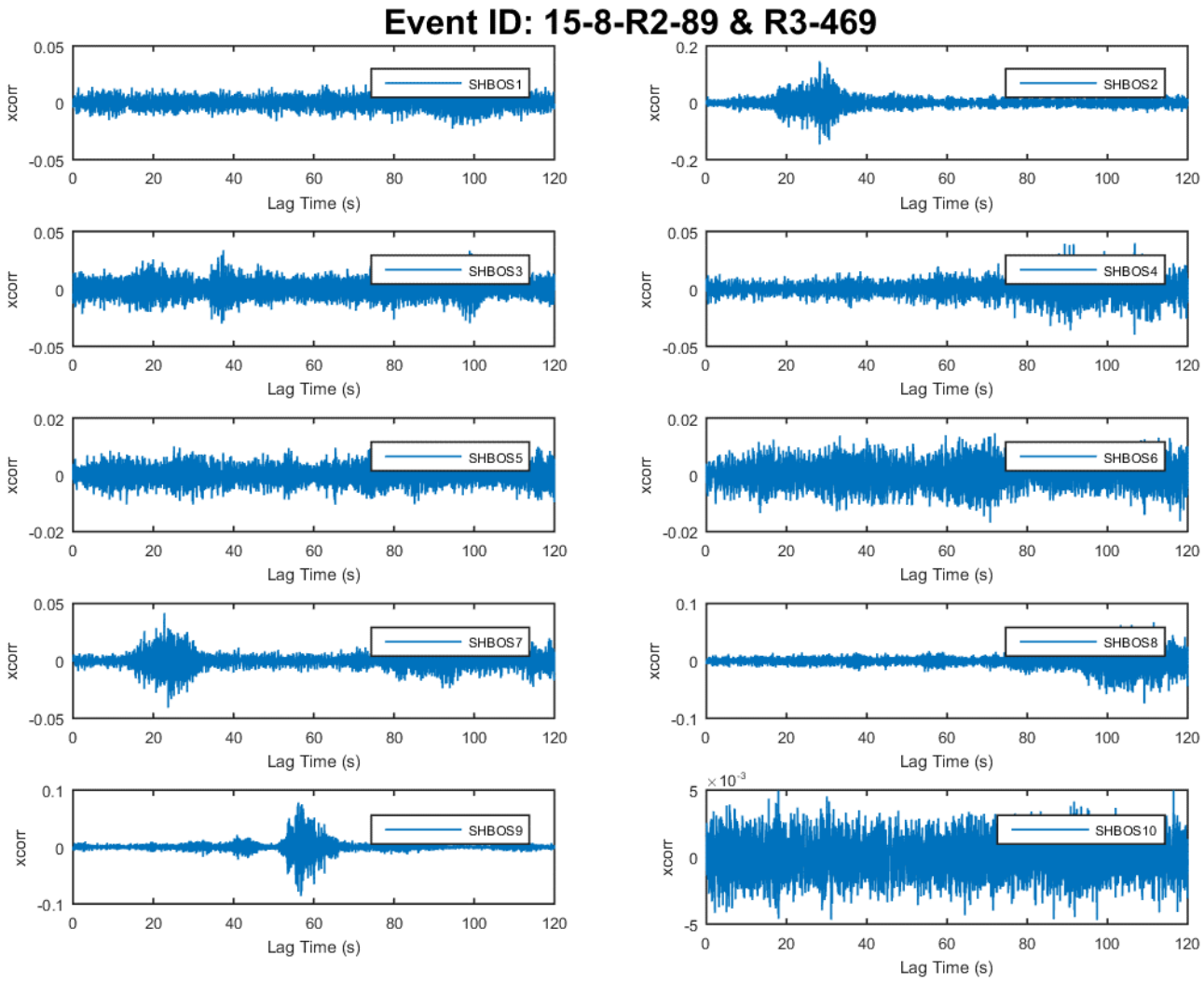


FIGURE 3.534: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-89 & R3-469

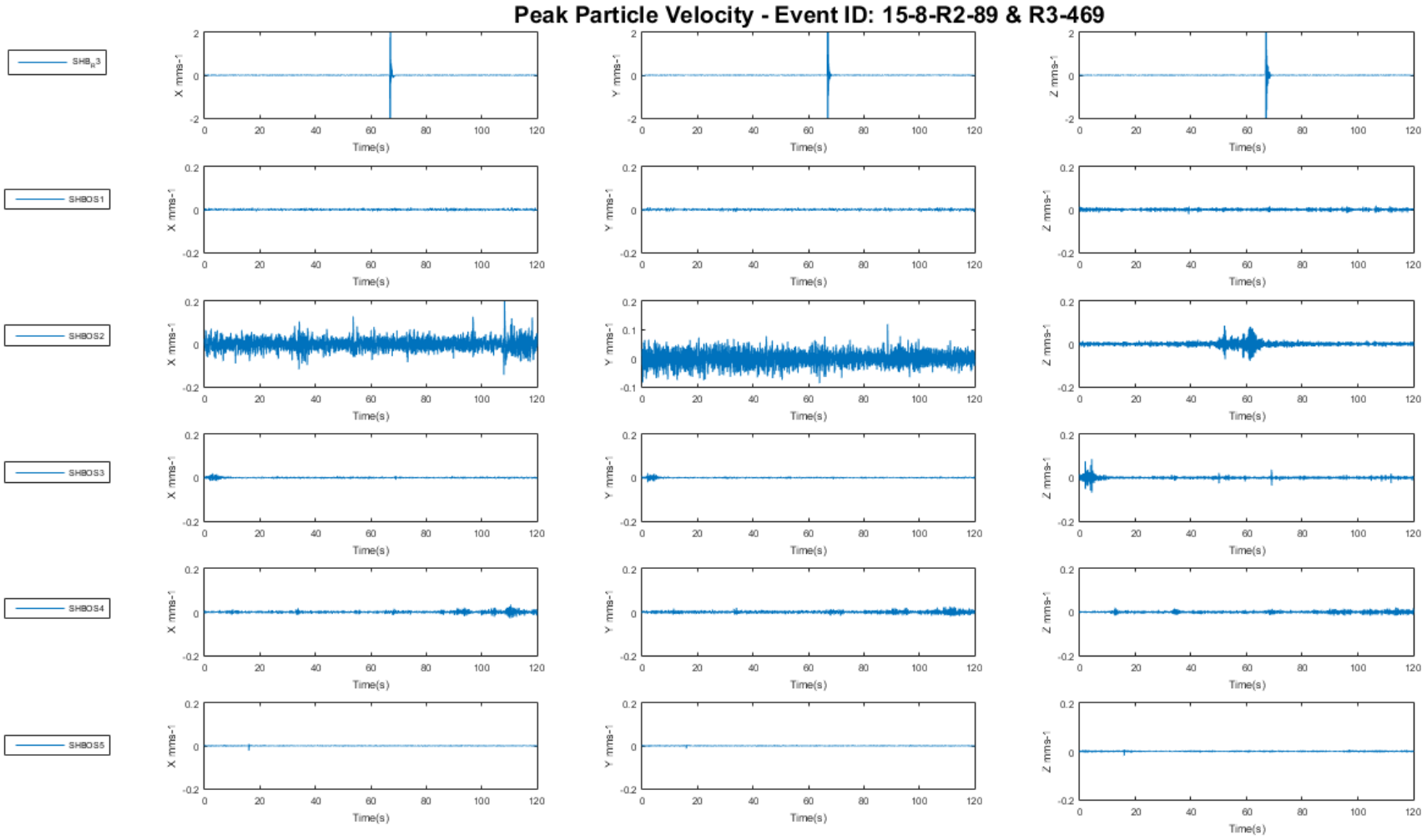


FIGURE 3.535: SHB_OS 1 - 5 15-8-R2-89 & R3-469

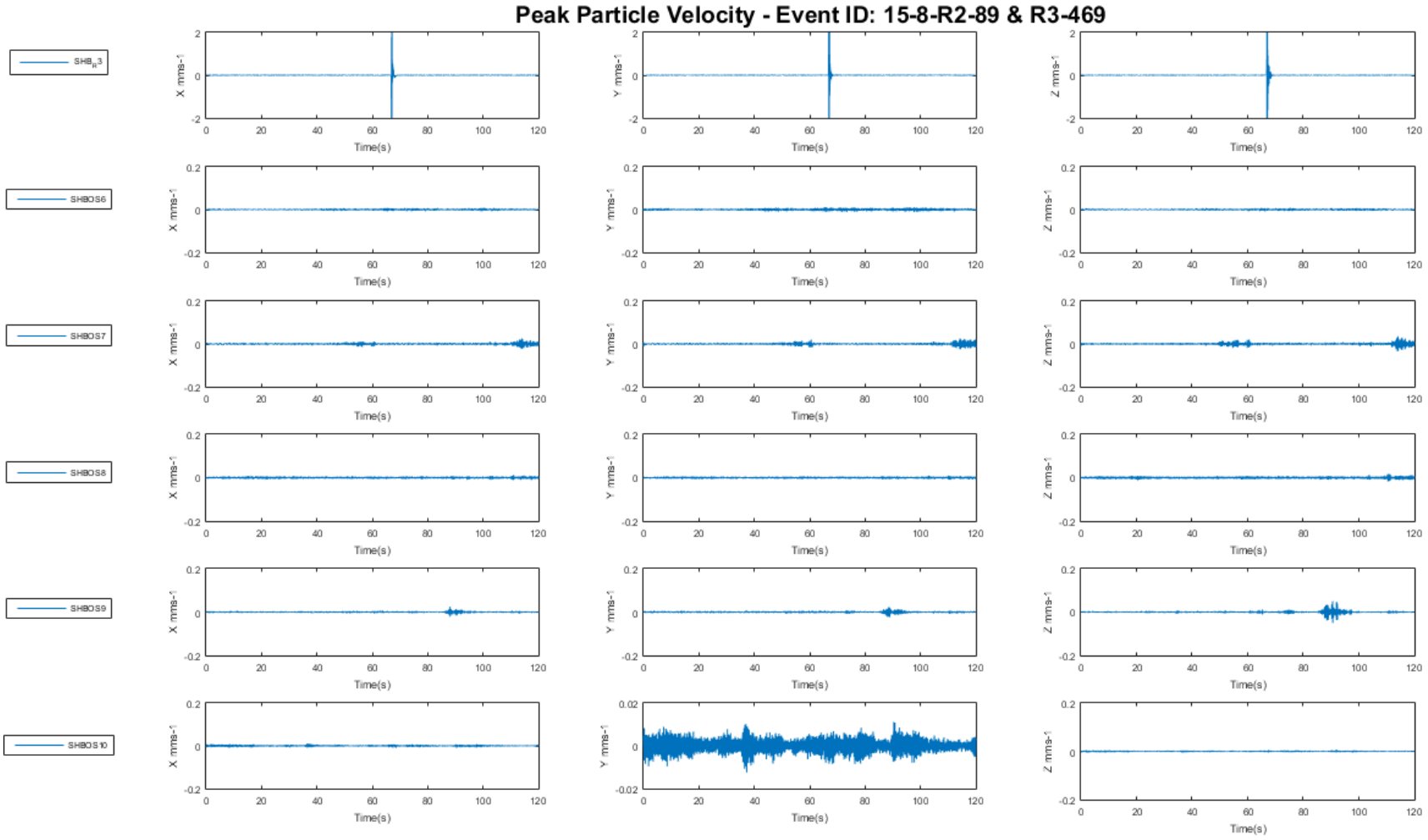


FIGURE 3.536: SHB_OS 6 - 10 15-8-R2-89 & R3-469

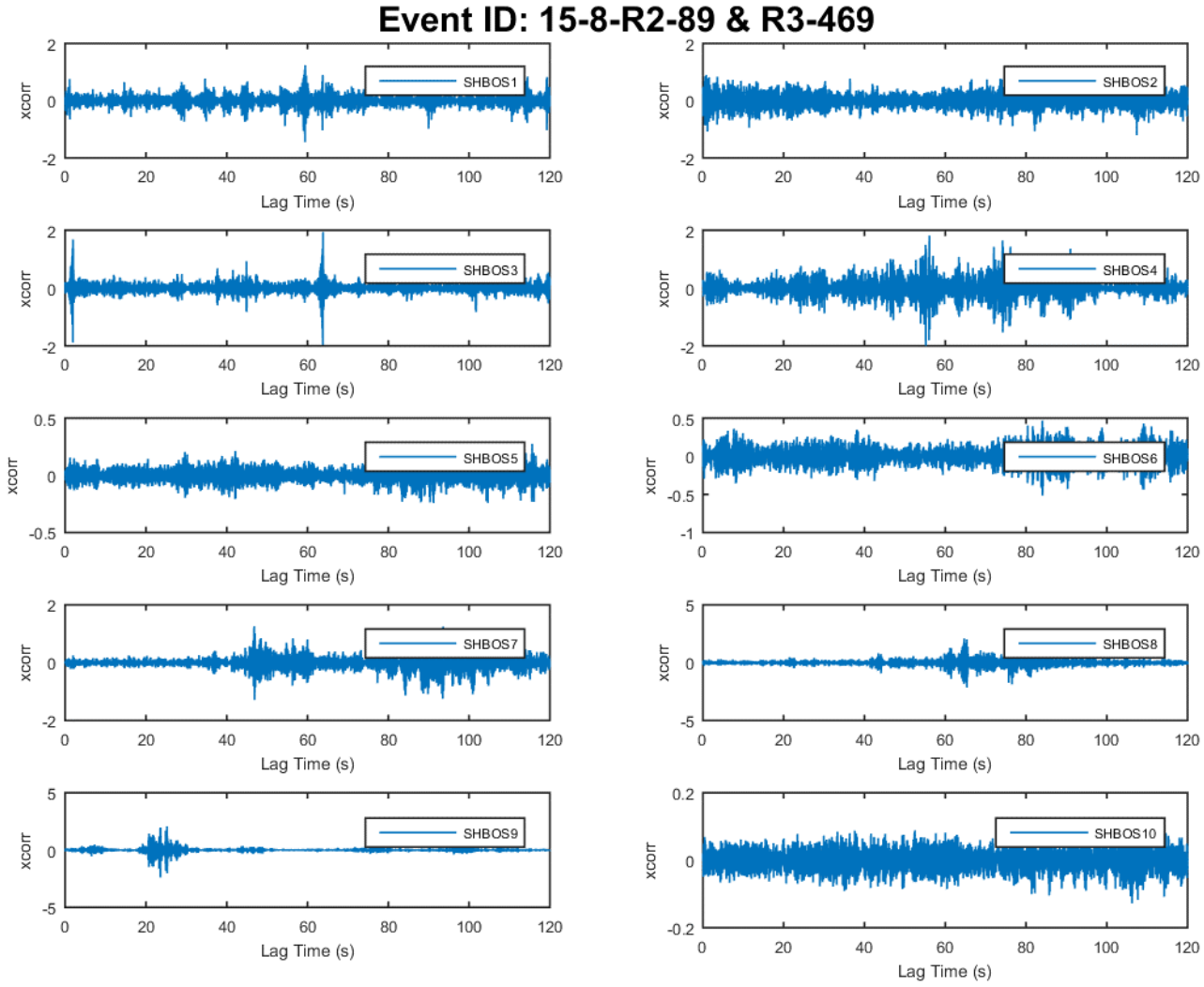


FIGURE 3.537: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-89 & R3-469

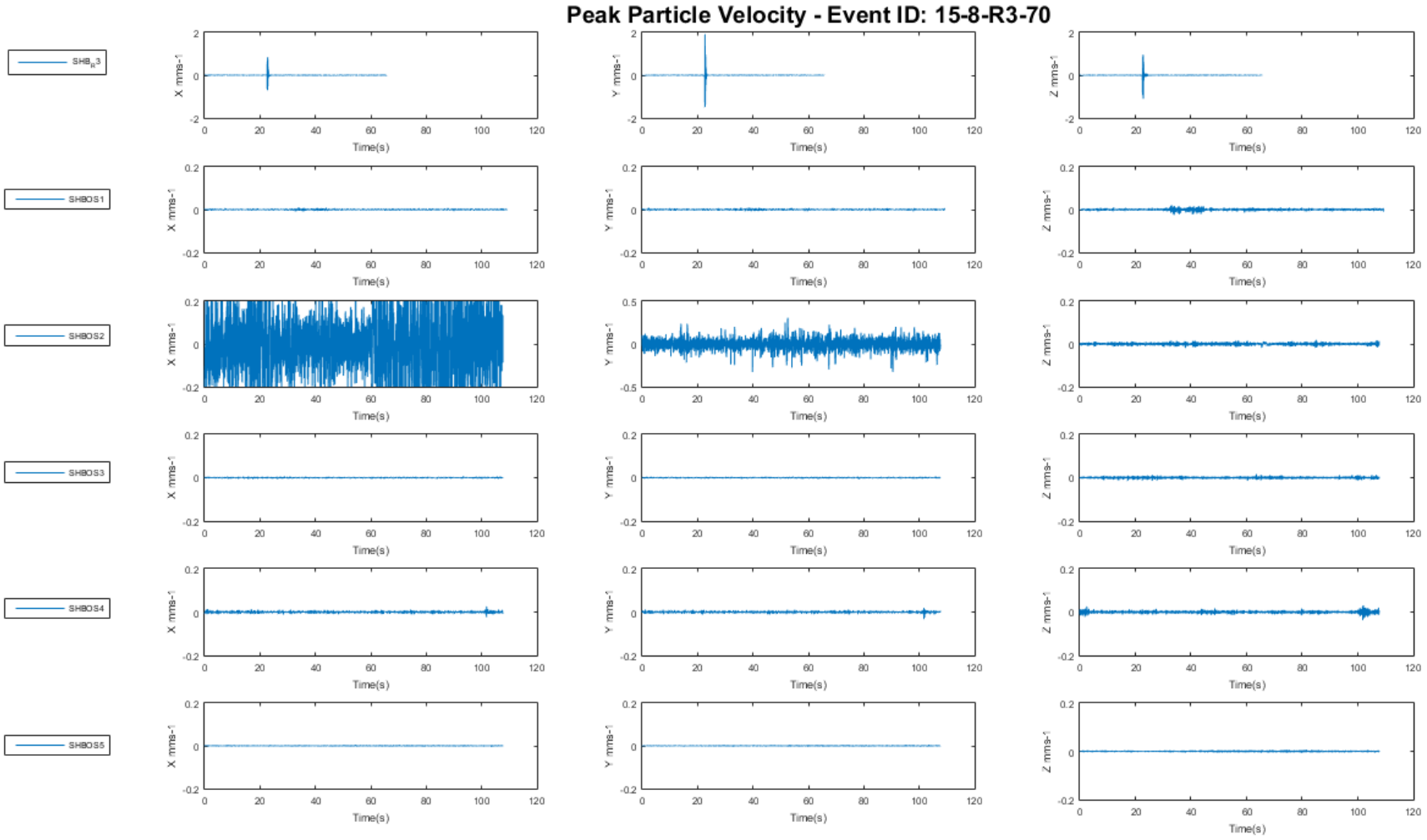


FIGURE 3.538: SHB_OS 1 - 5 15-8-R3-70

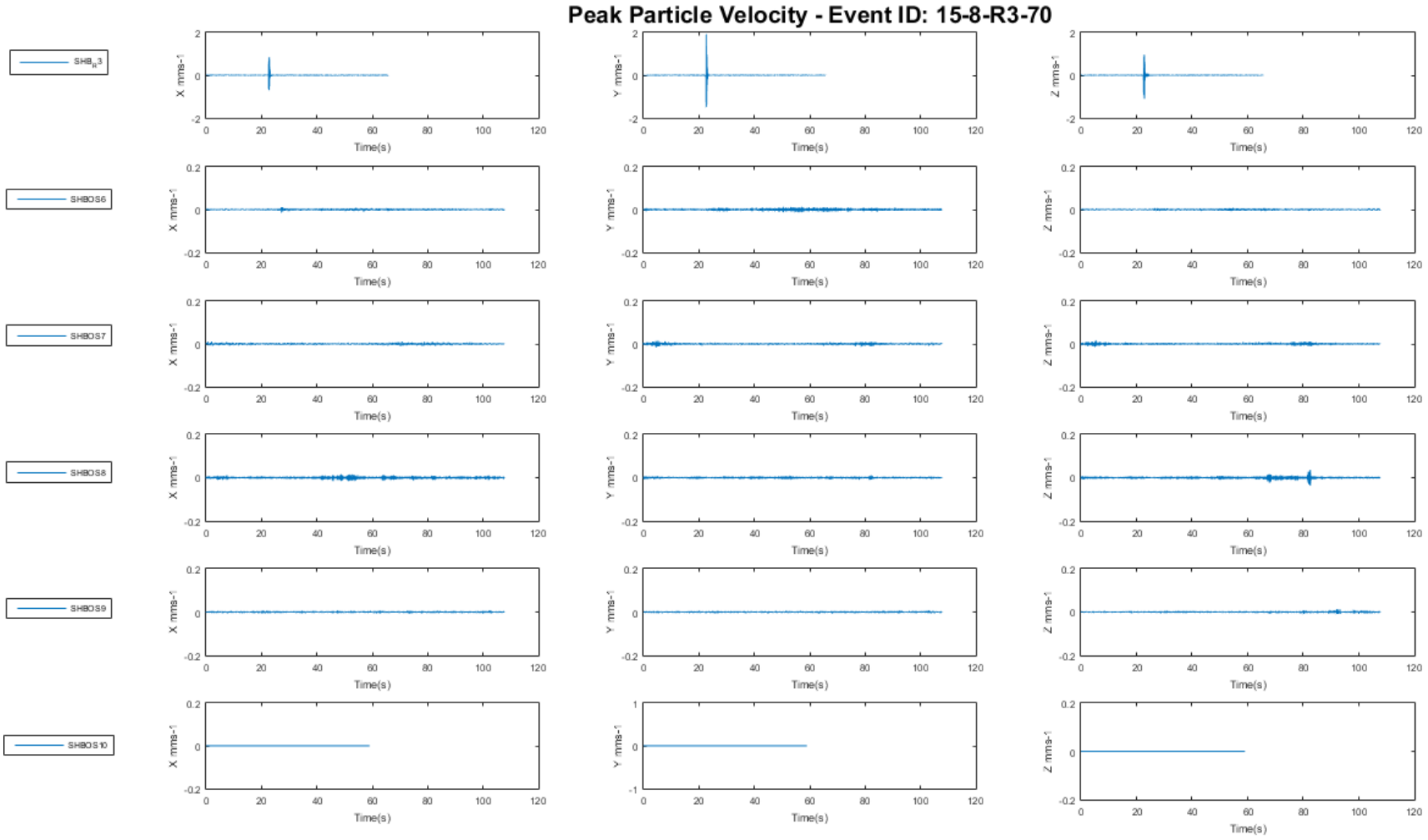


FIGURE 3.539: SHB_OS 6 - 10 15-8-R3-70

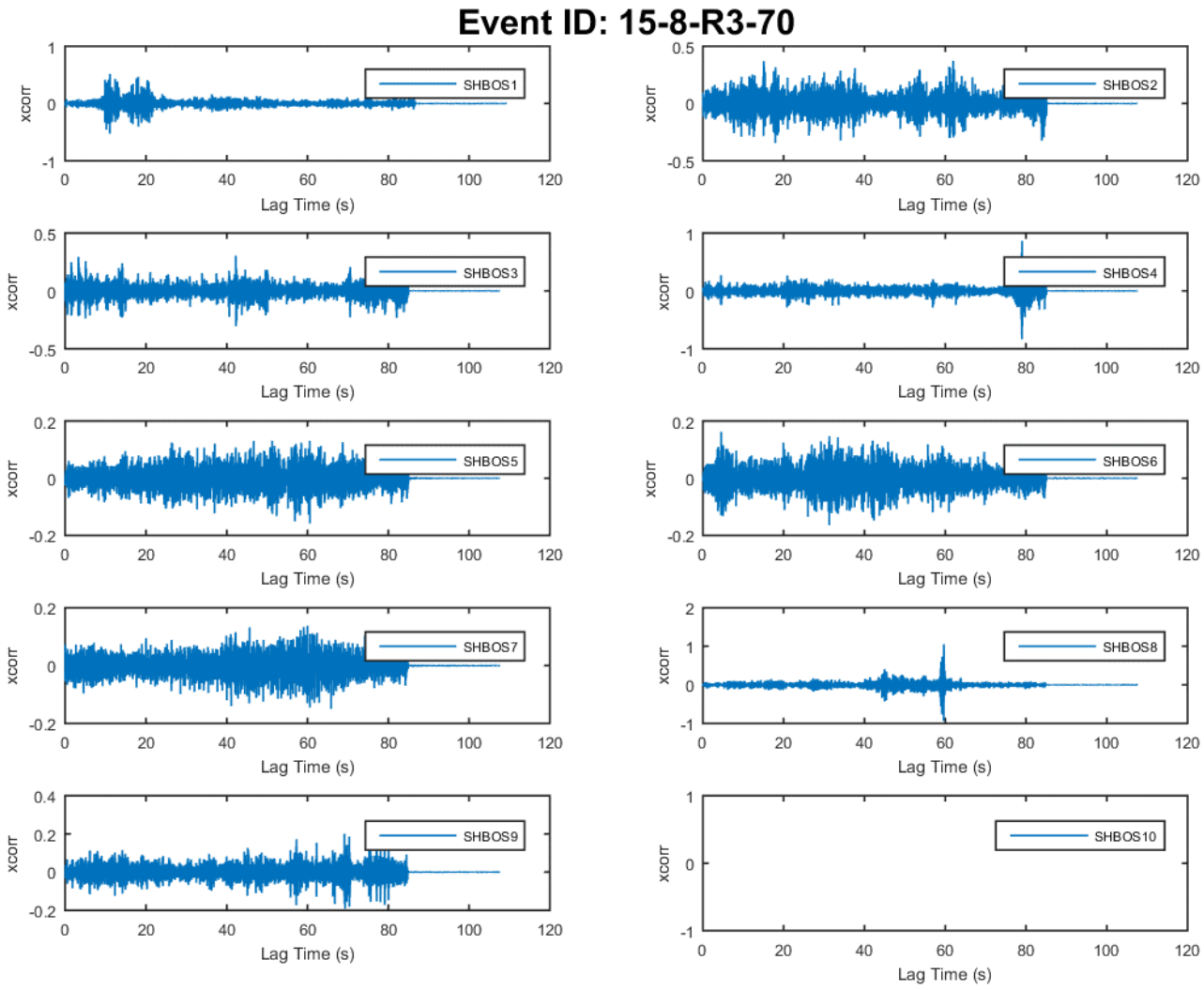


FIGURE 3.540: CROSS CORRELATION SHB_OS 1 - 10 15-8-R3-70

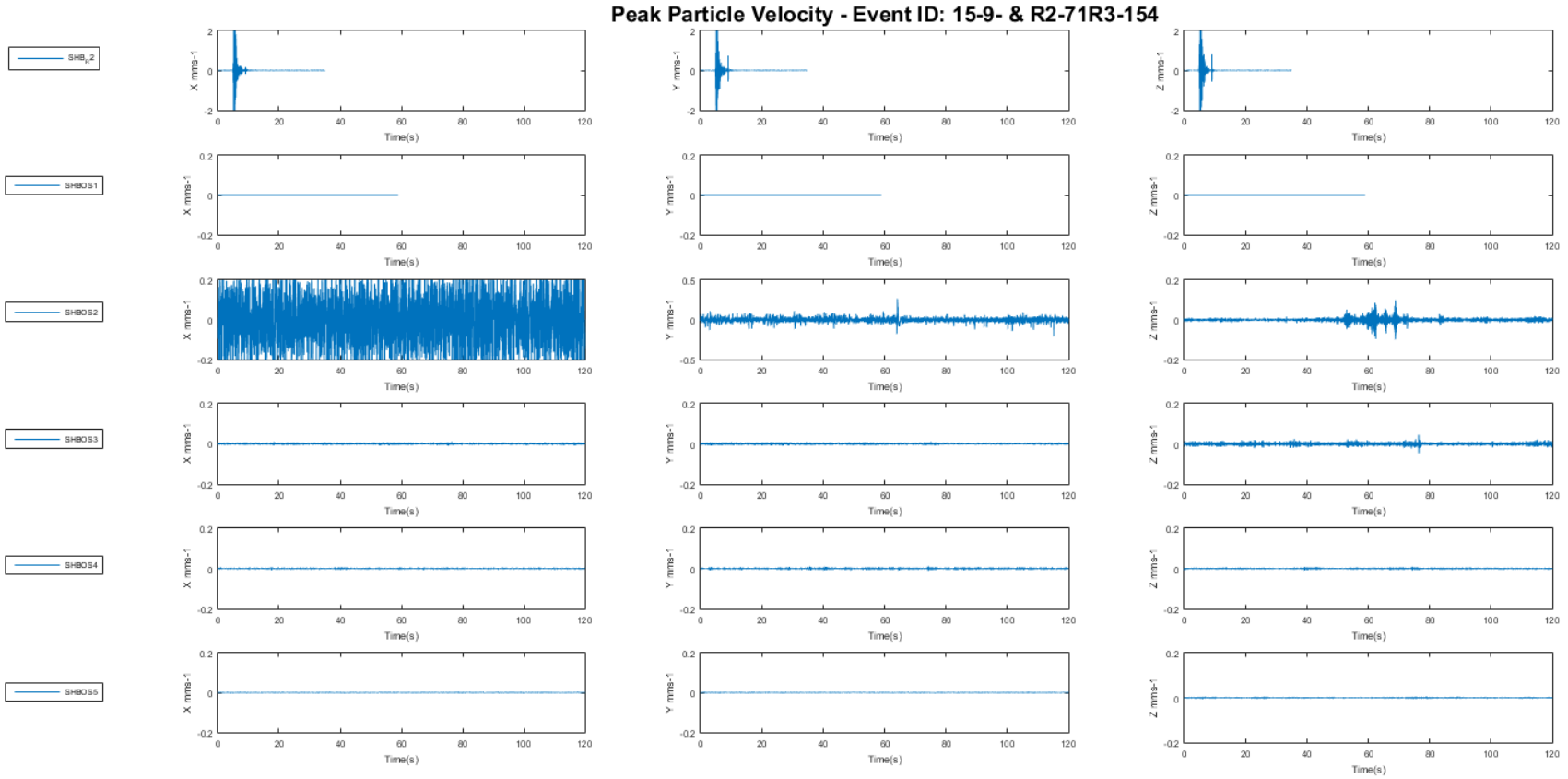


FIGURE 3.541: SHB_OS 1 - 5 15-9- & R2-71R3-154

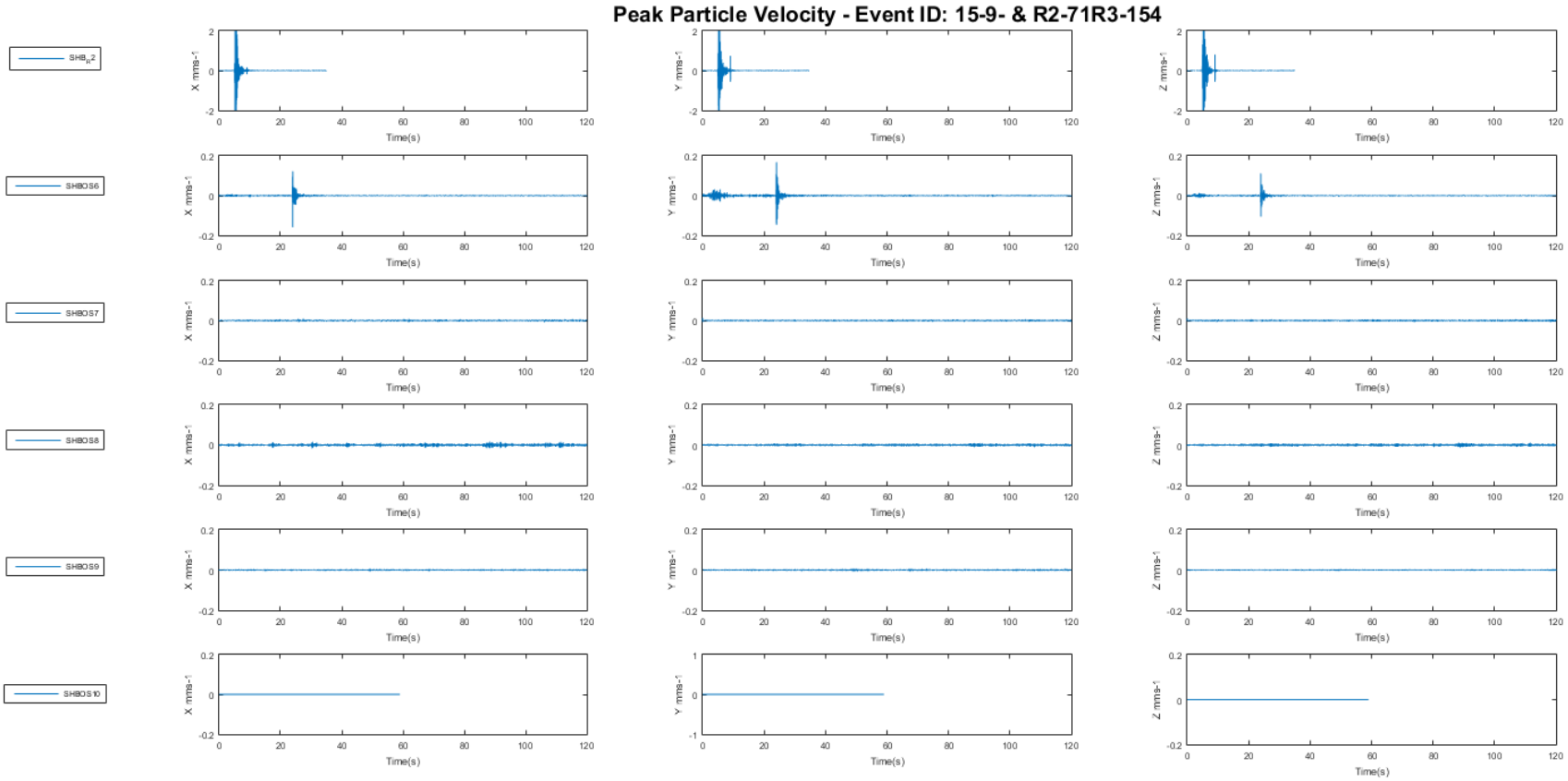


FIGURE 3.542: SHB_OS 6 - 10 15-9- & R2-71R3-154

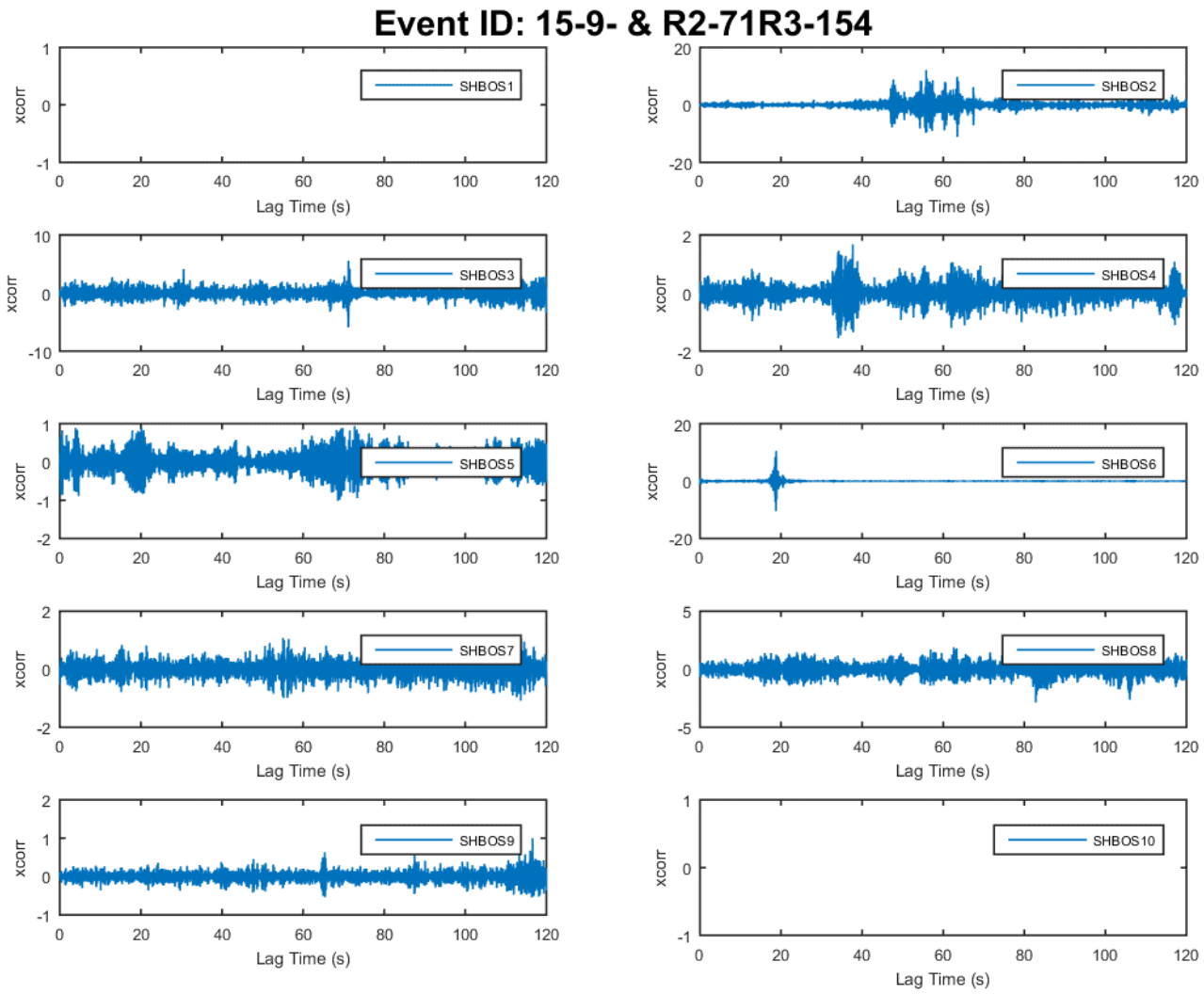


FIGURE 3.543: CROSS CORRELATION SHB_OS 1 - 10 15-9- & R2-71R3-154

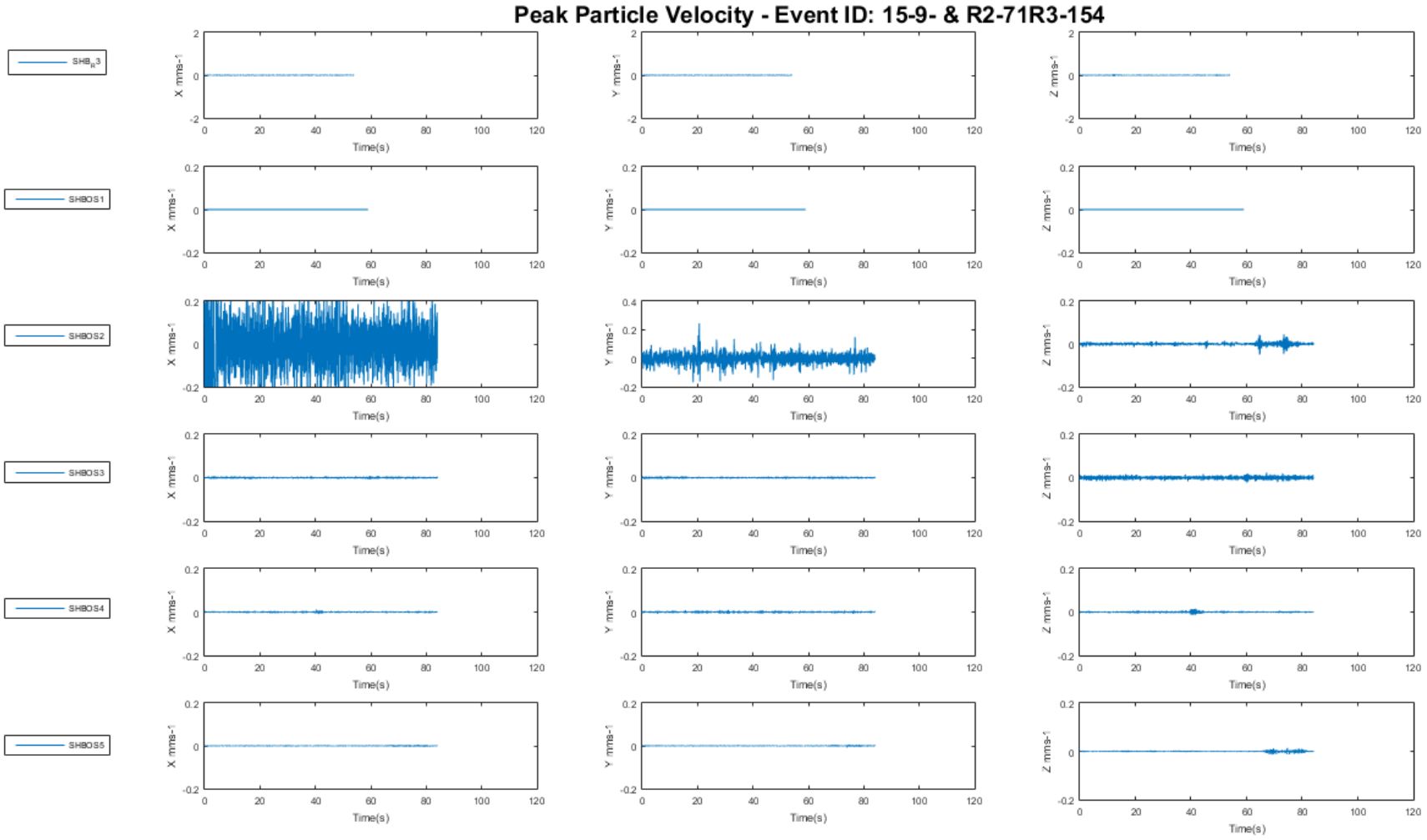


FIGURE 3.544: SHB_OS 1 - 5 15-9- & R2-71R3-154

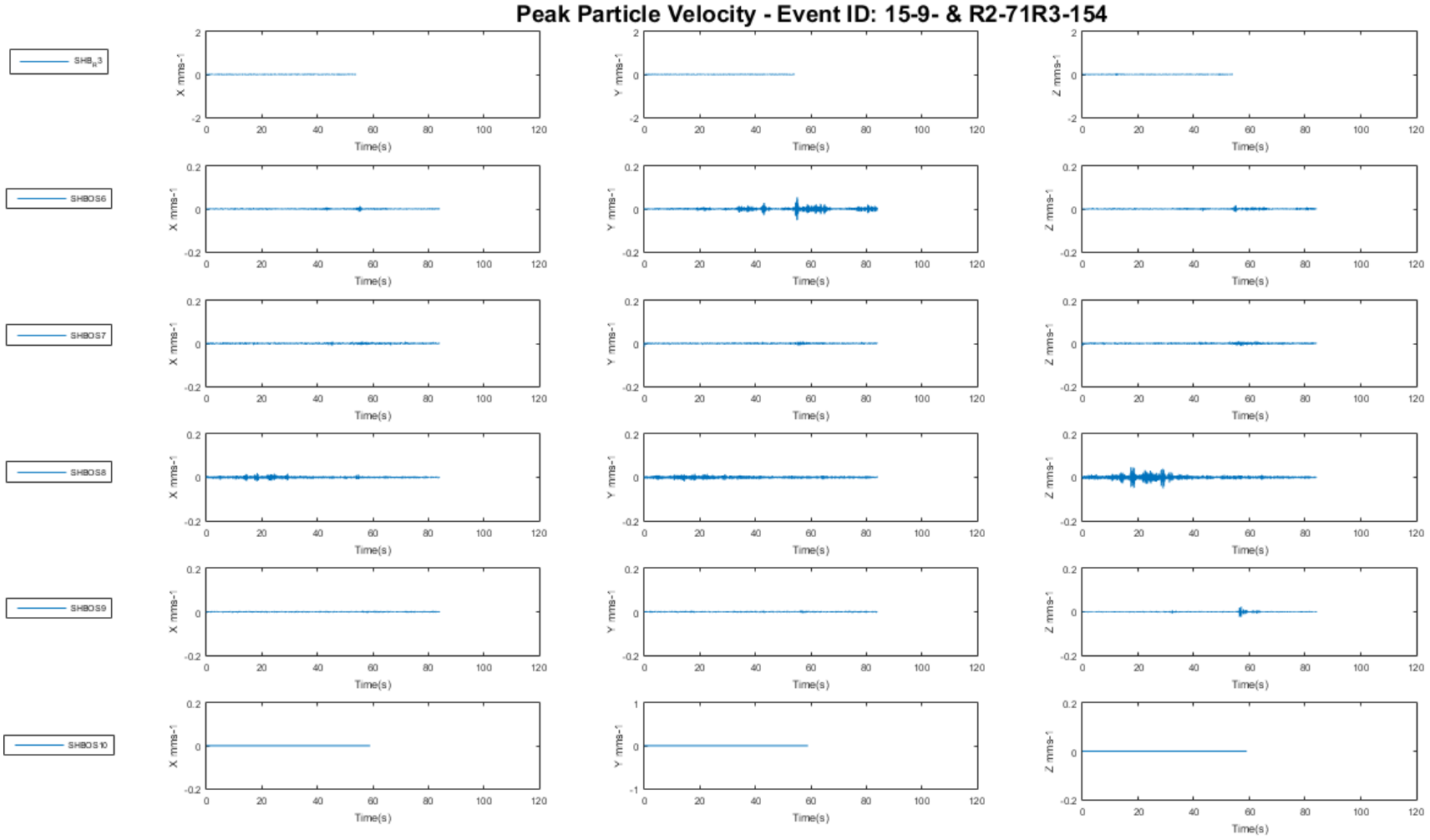


FIGURE 3.545: SHB_OS 6 - 10 15-9- & R2-71R3-154

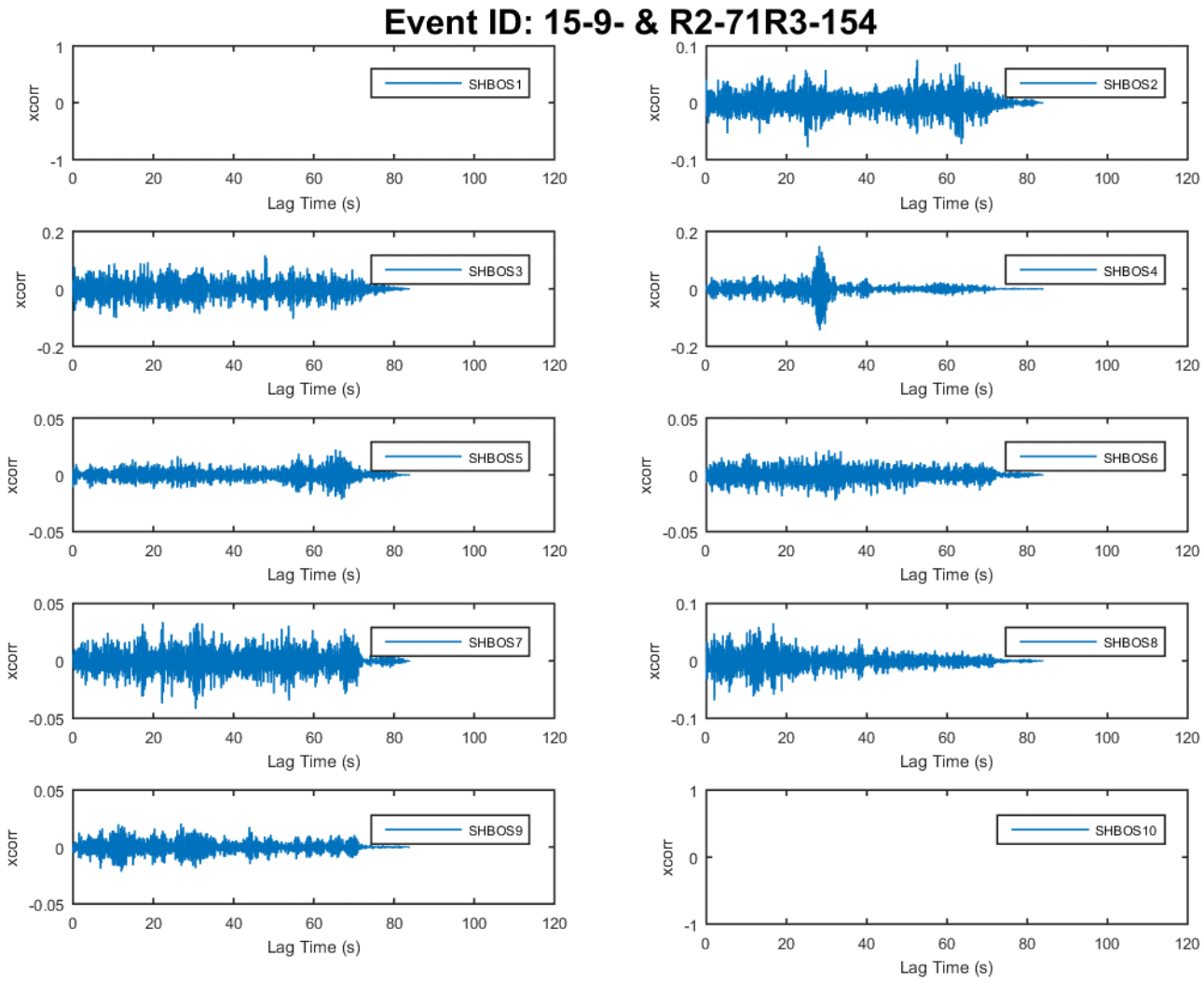


FIGURE 3.546: CROSS CORRELATION SHB_OS 1 - 10 15-9- & R2-71R3-154

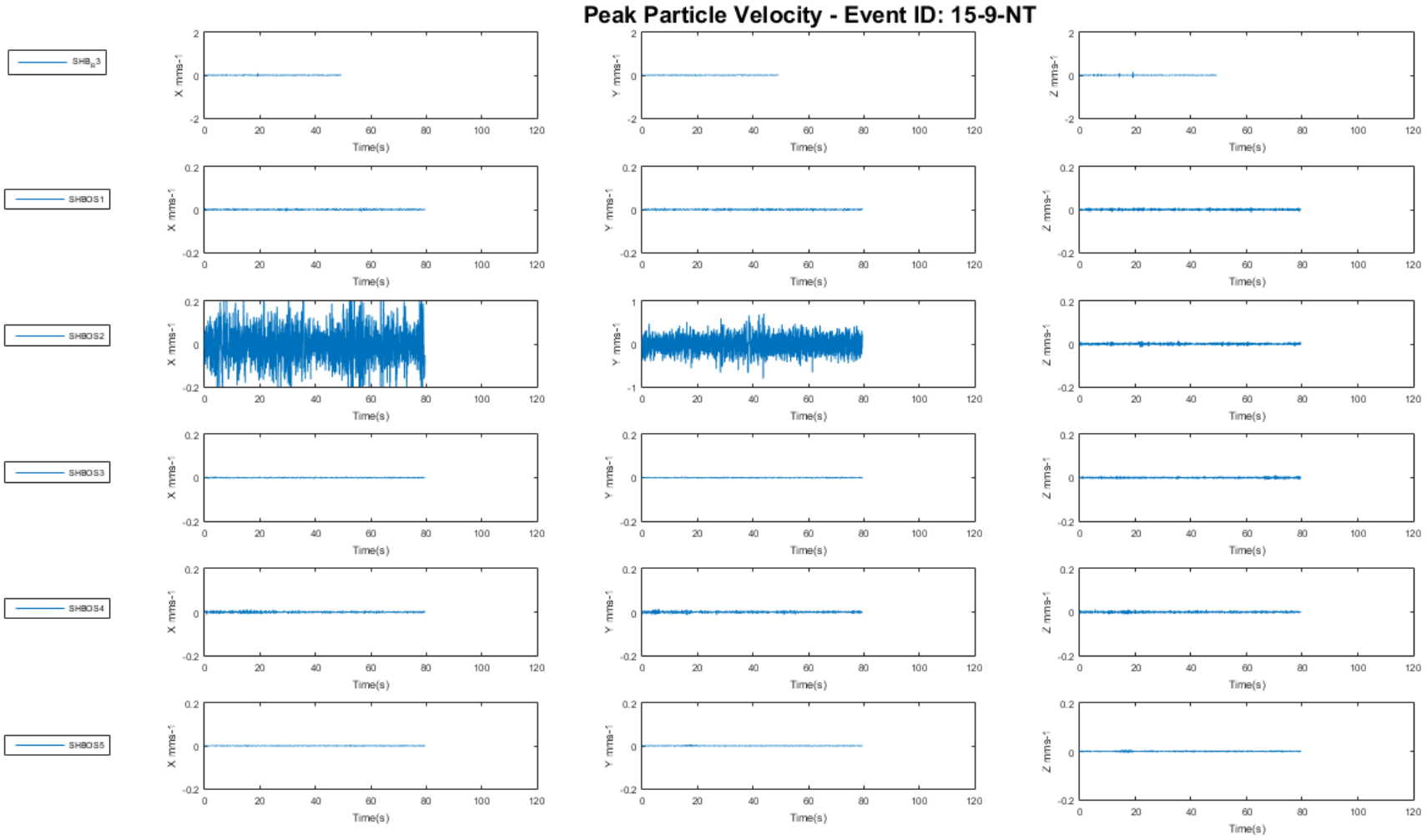


FIGURE 3.547: SHB_OS 1 - 5 15-9-NT

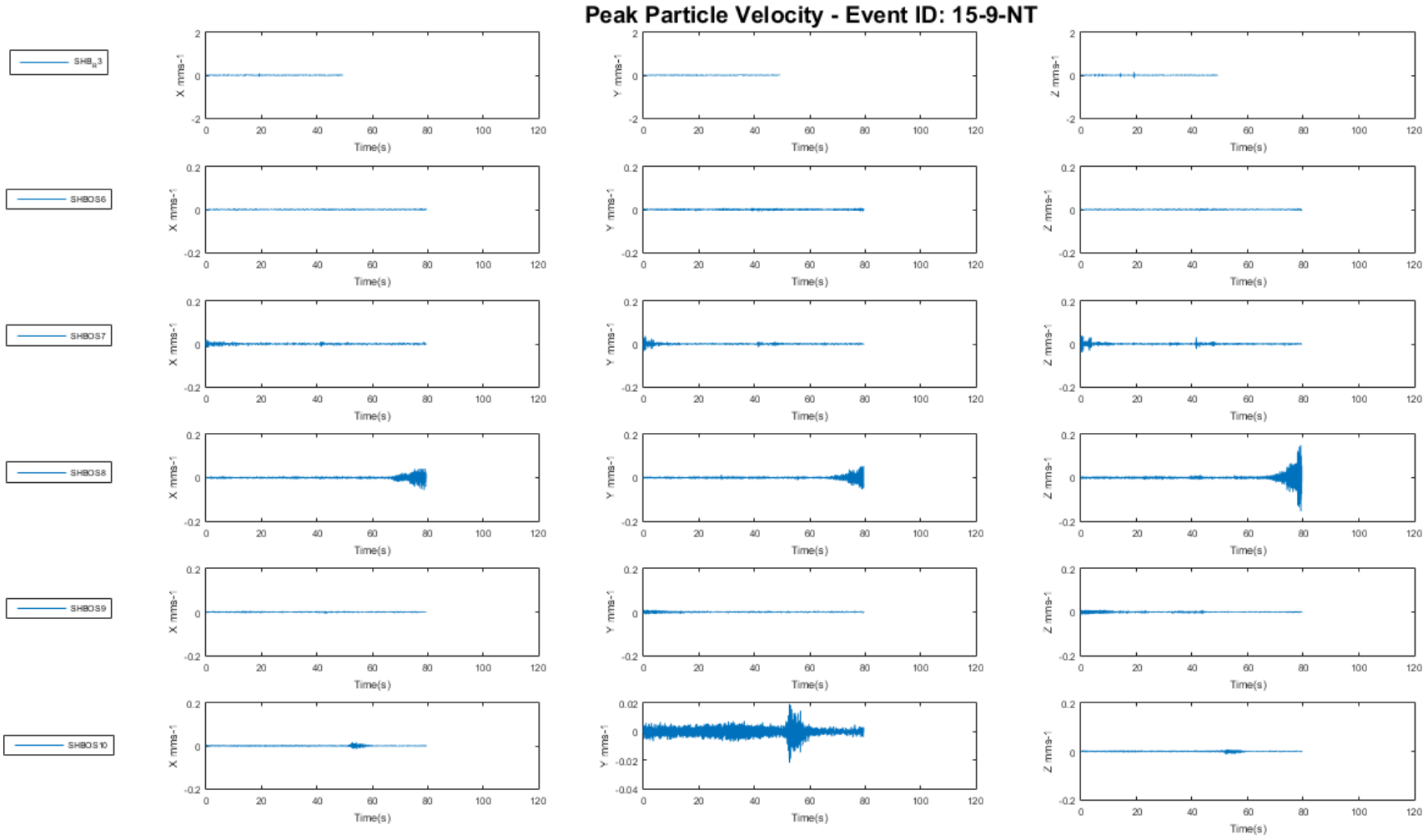


FIGURE 3.548: SHB_OS 6 - 10 15-9-NT

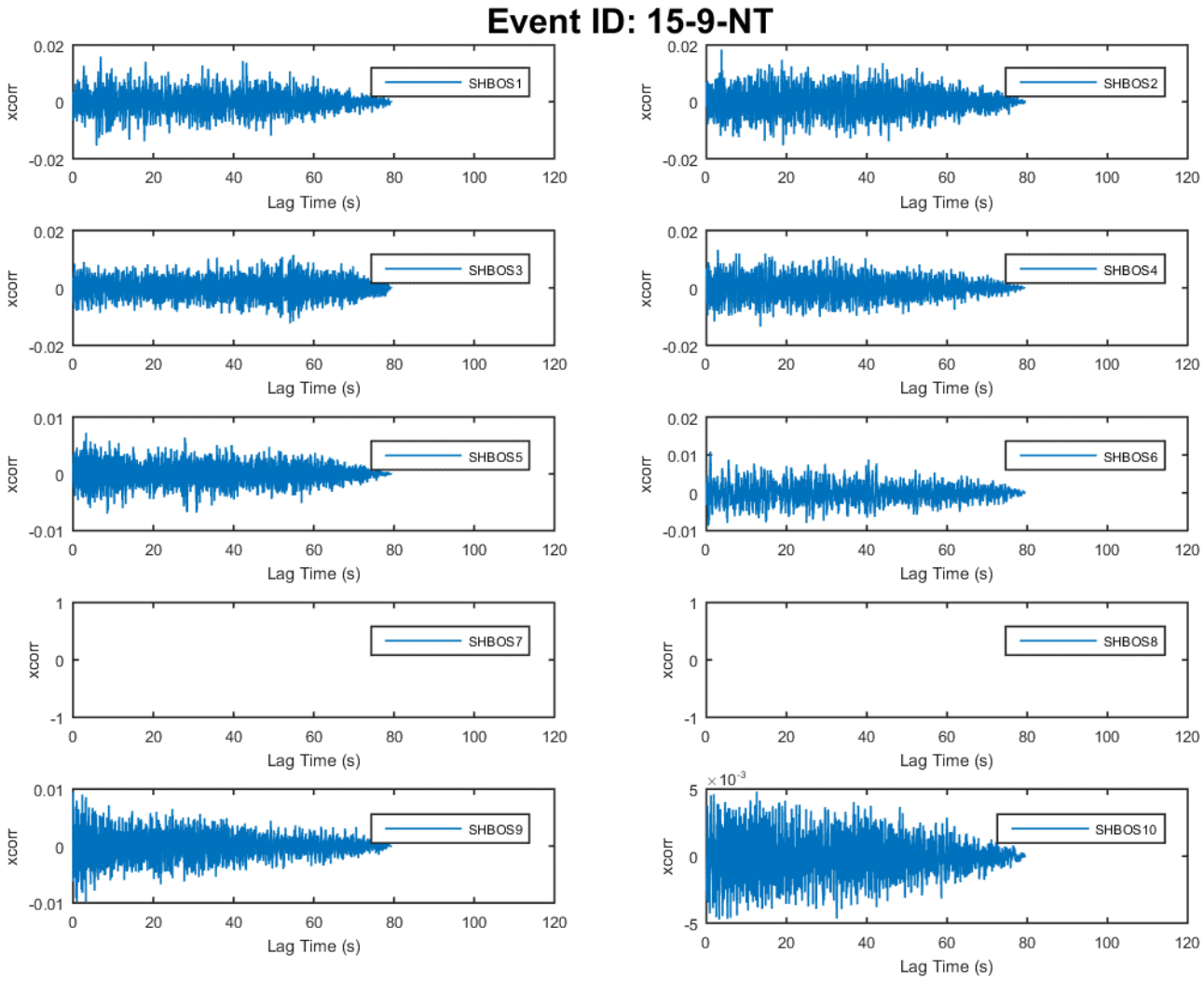


FIGURE 3.549: CROSS CORRELATION SHB_OS 1 - 10 15-9-NT

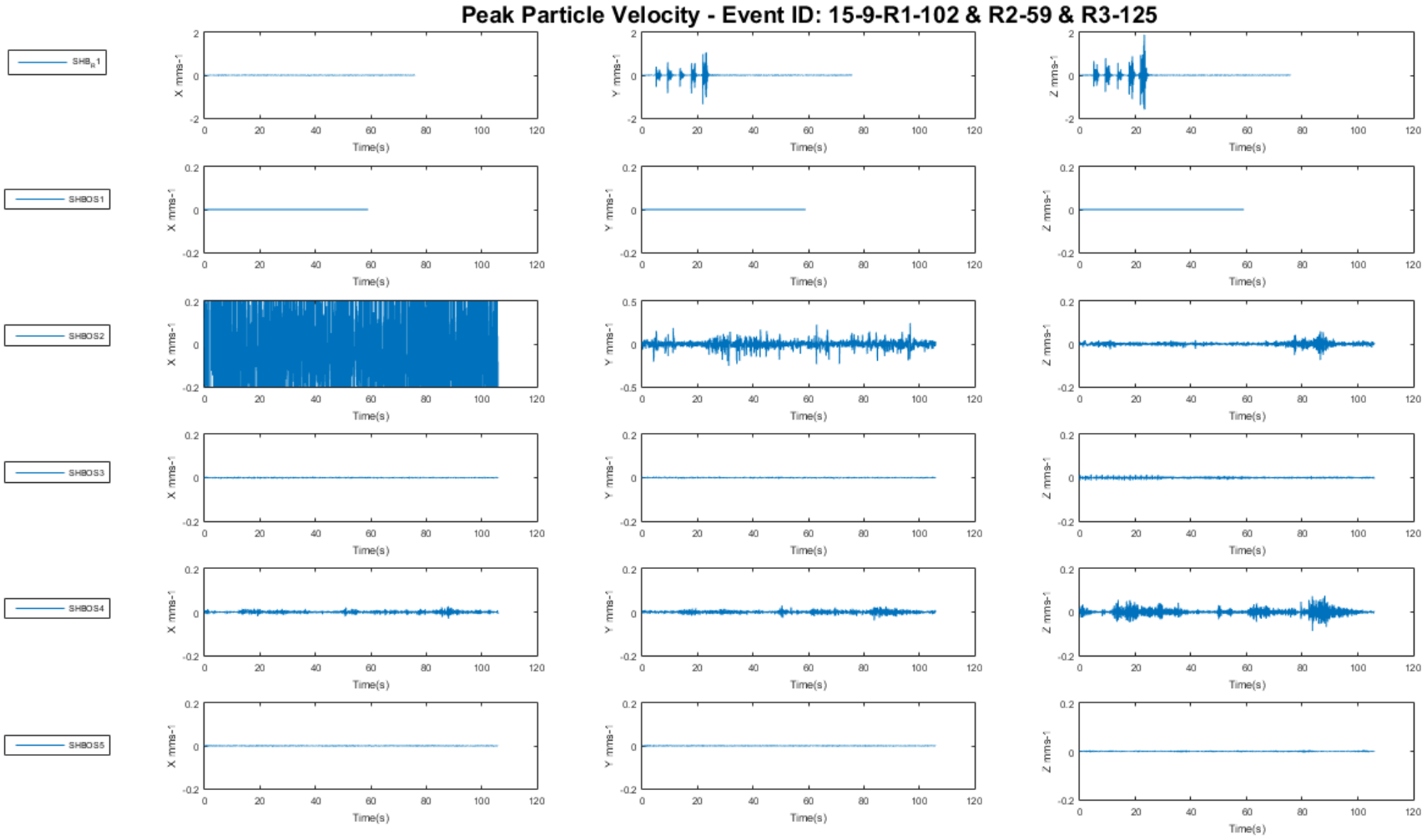


FIGURE 3.550: SHB_OS 1 - 5 15-9-R1-102 & R2-59 & R3-125

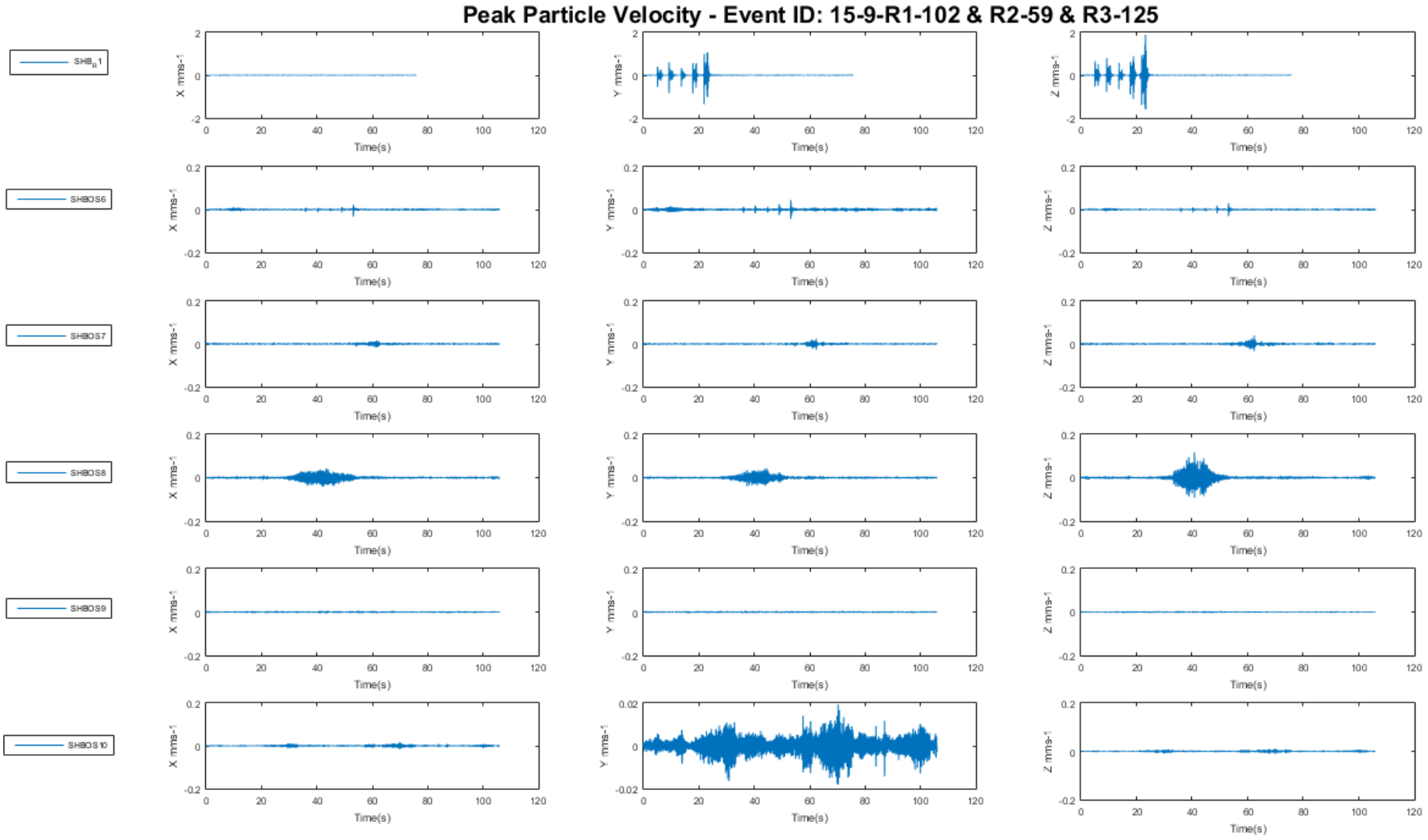


FIGURE 3.551: SHB_OS 6 - 10 15-9-R1-102 & R2-59 & R3-125

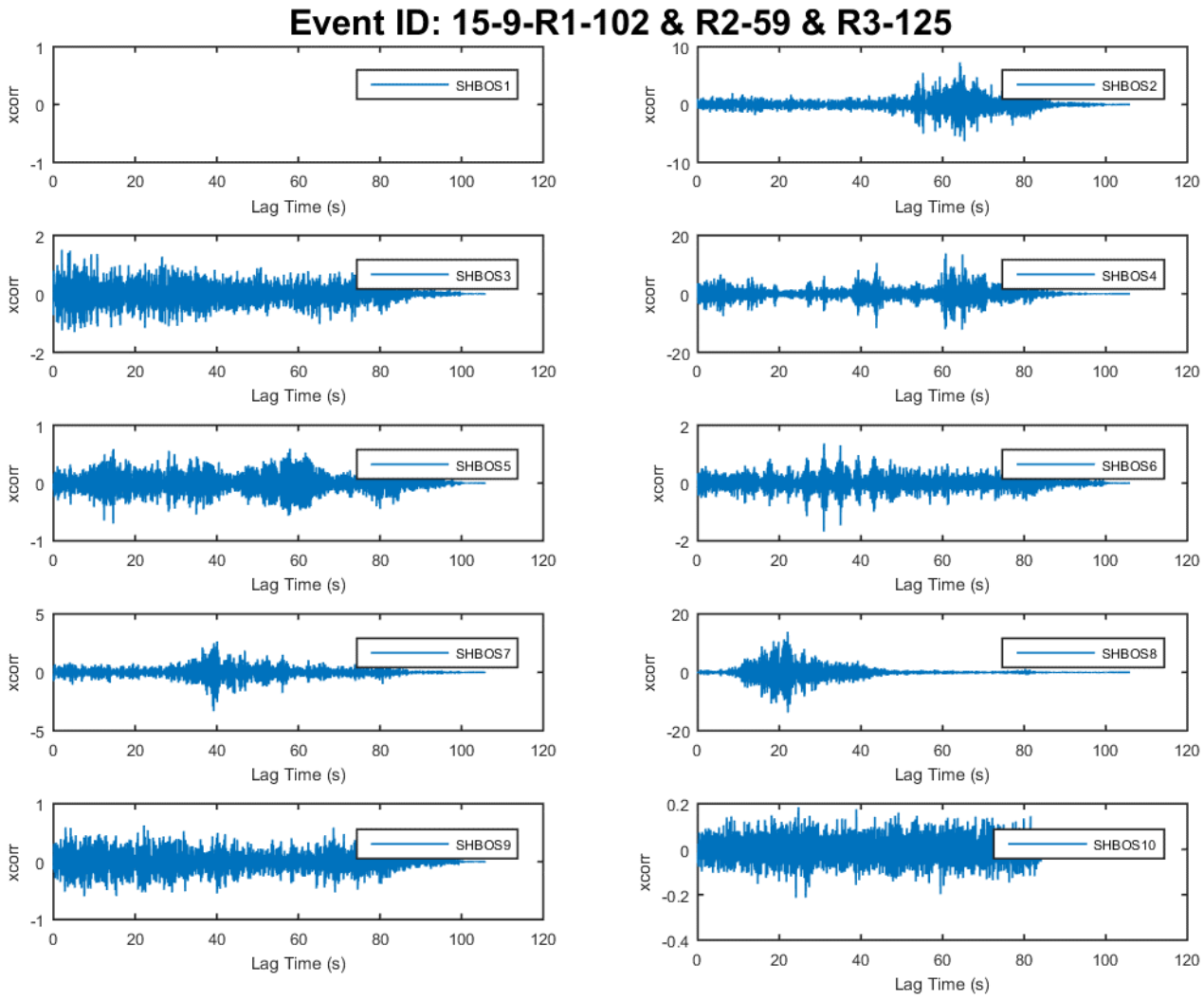


FIGURE 3.552: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-102 & R2-59 & R3-125

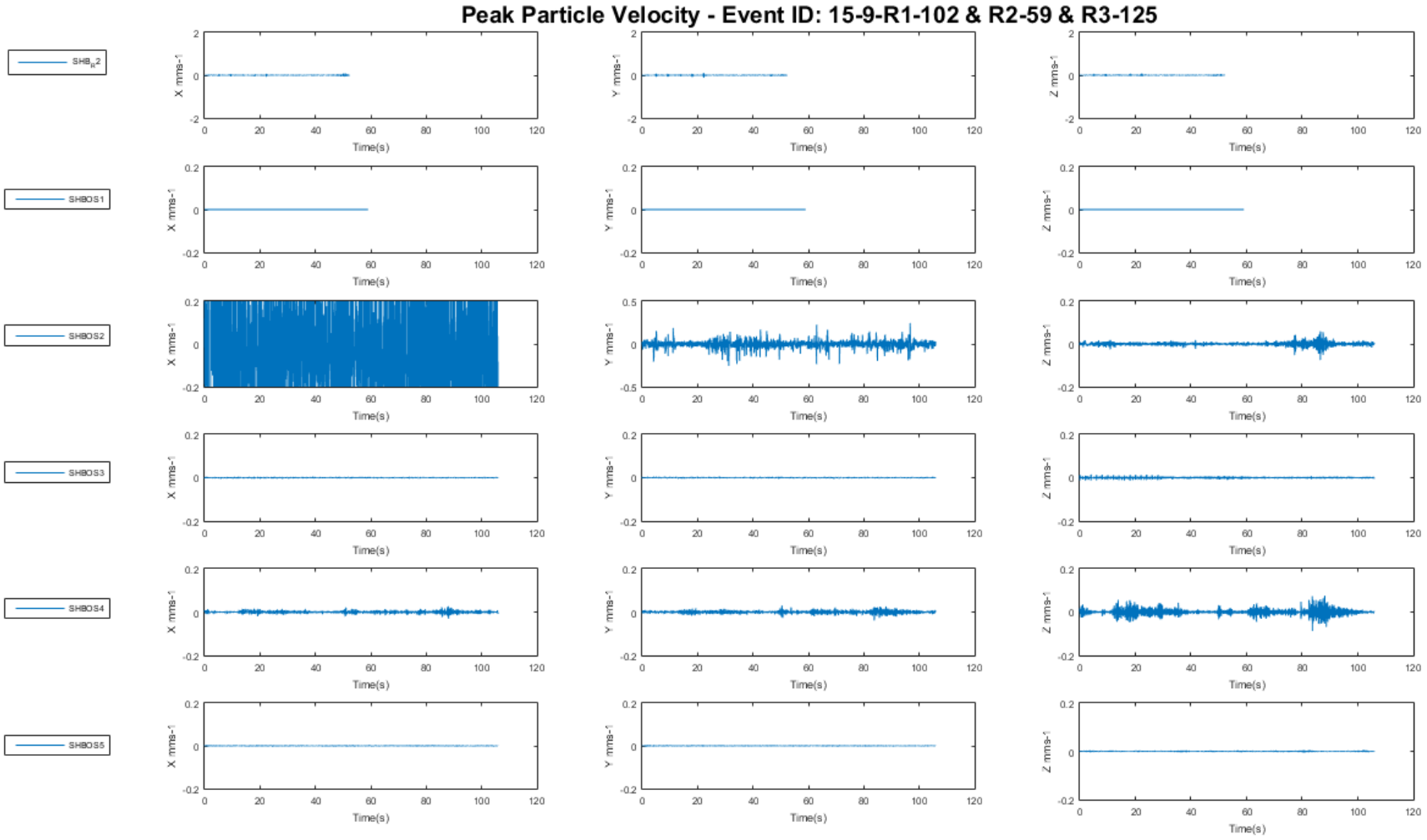


FIGURE 3.553: SHB_OS 1 - 5 15-9-R1-102 & R2-59 & R3-125

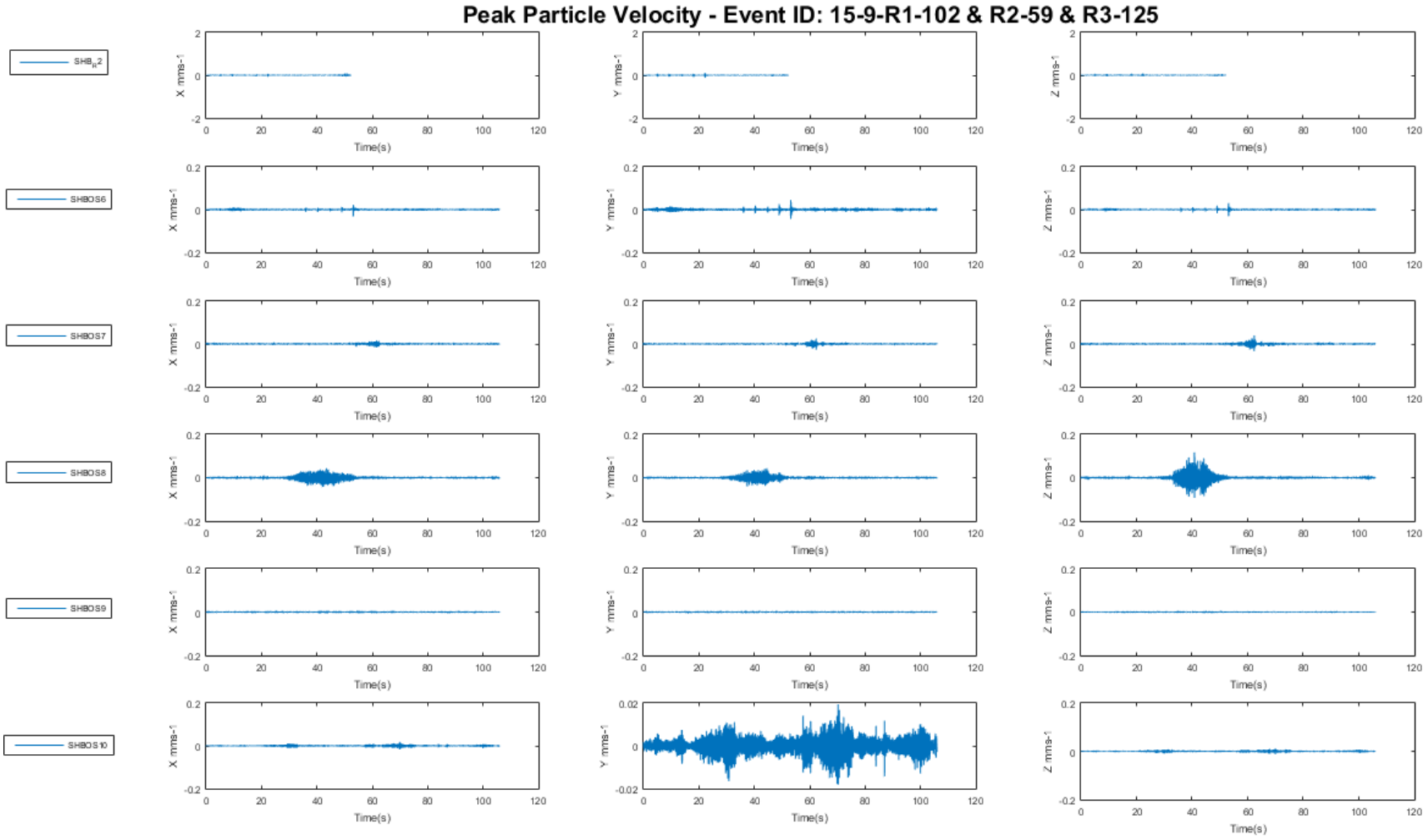


FIGURE 3.554: SHB_OS 6 - 10 15-9-R1-102 & R2-59 & R3-125

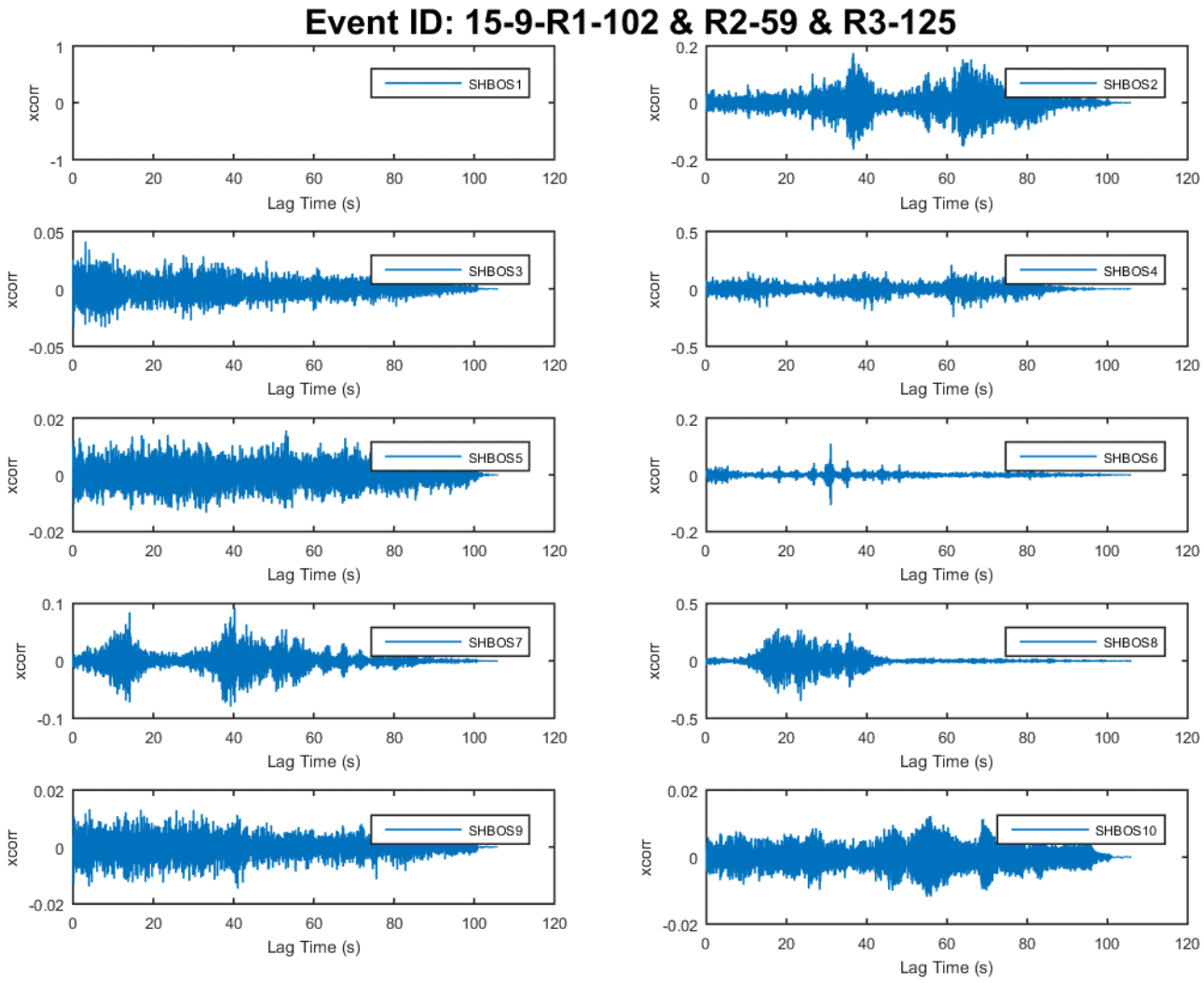


FIGURE 3.555: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-102 & R2-59 & R3-125

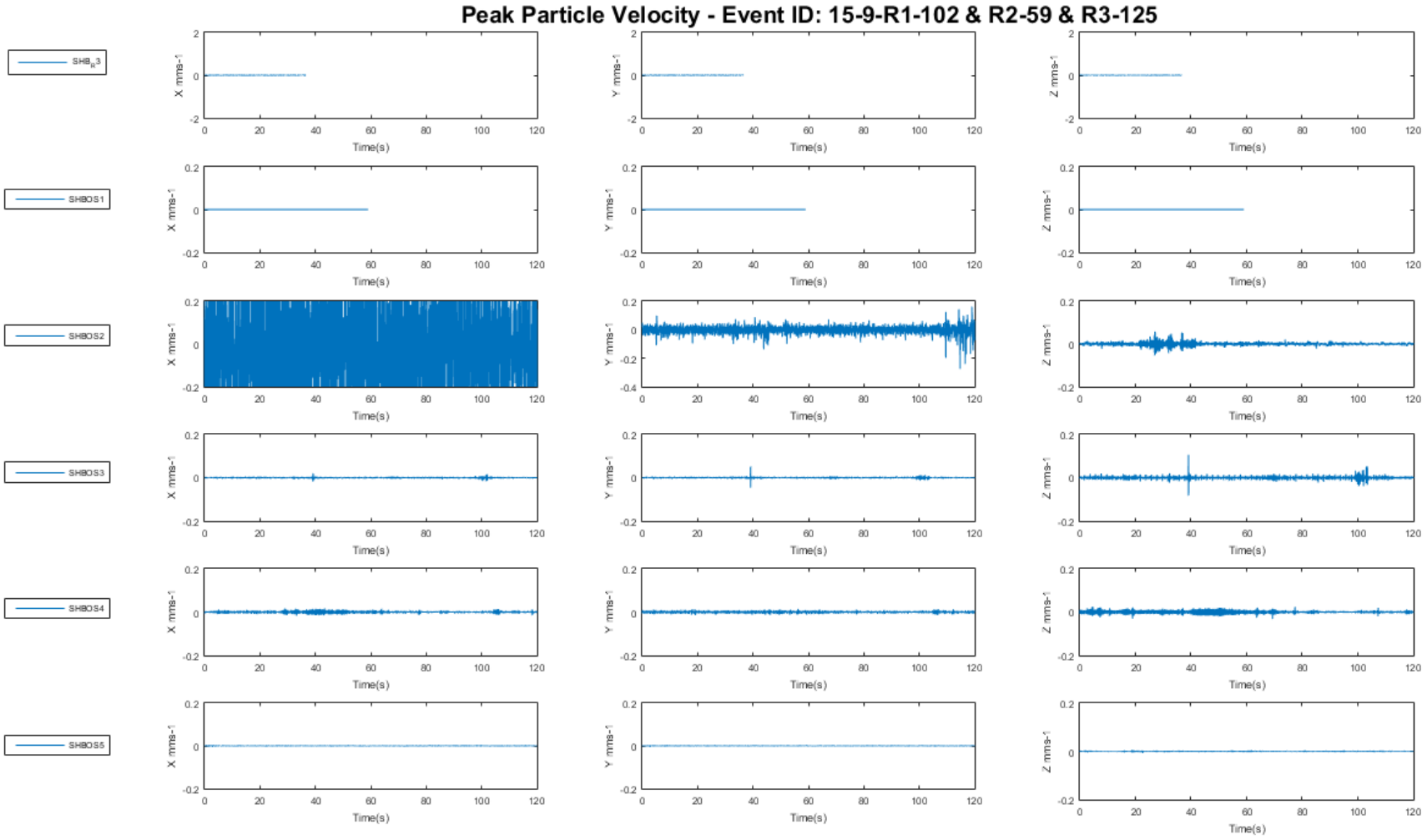


FIGURE 3.556: SHB_OS 1 - 5 15-9-R1-102 & R2-59 & R3-125

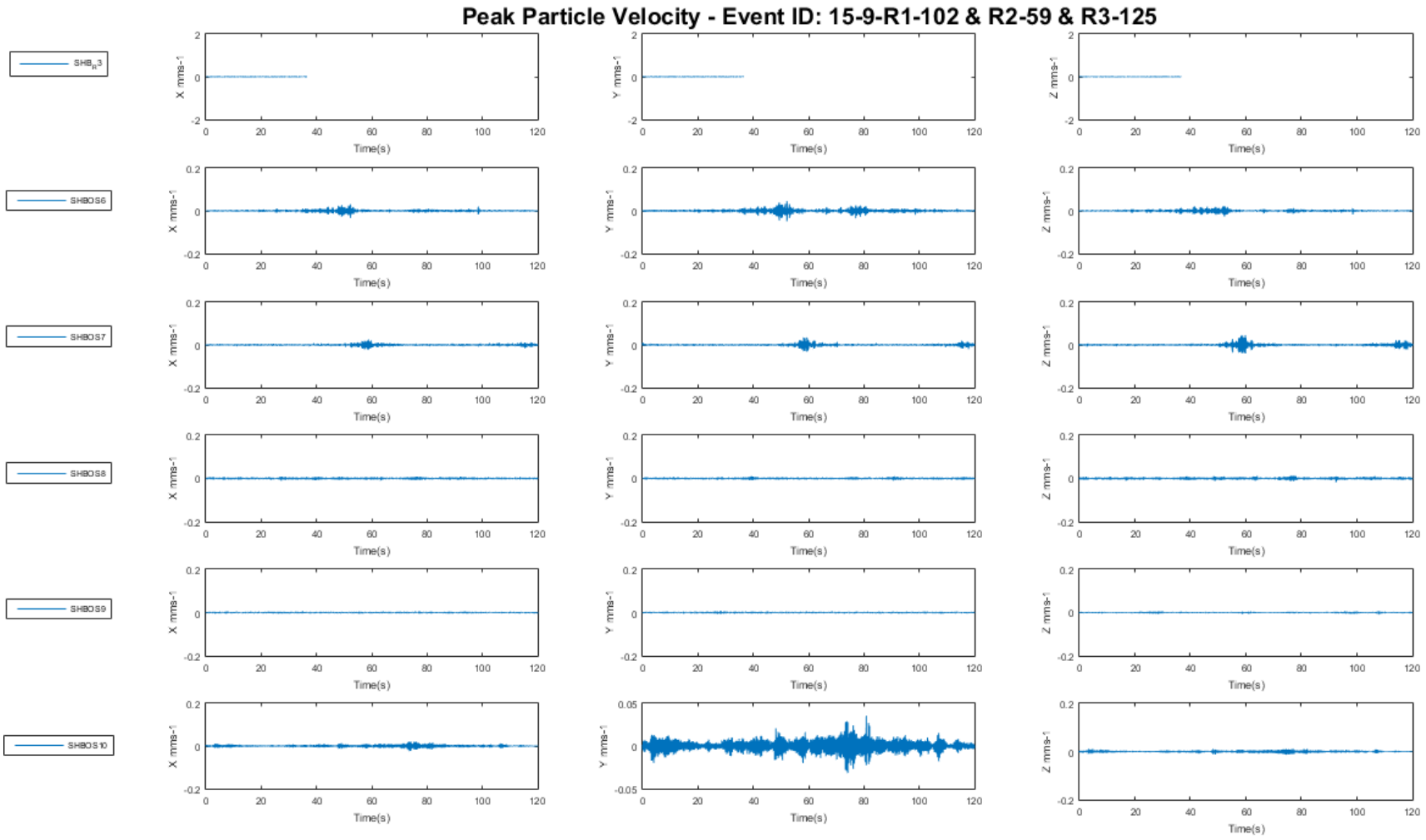


FIGURE 3.557: SHB_OS 6 - 10 15-9-R1-102 & R2-59 & R3-125

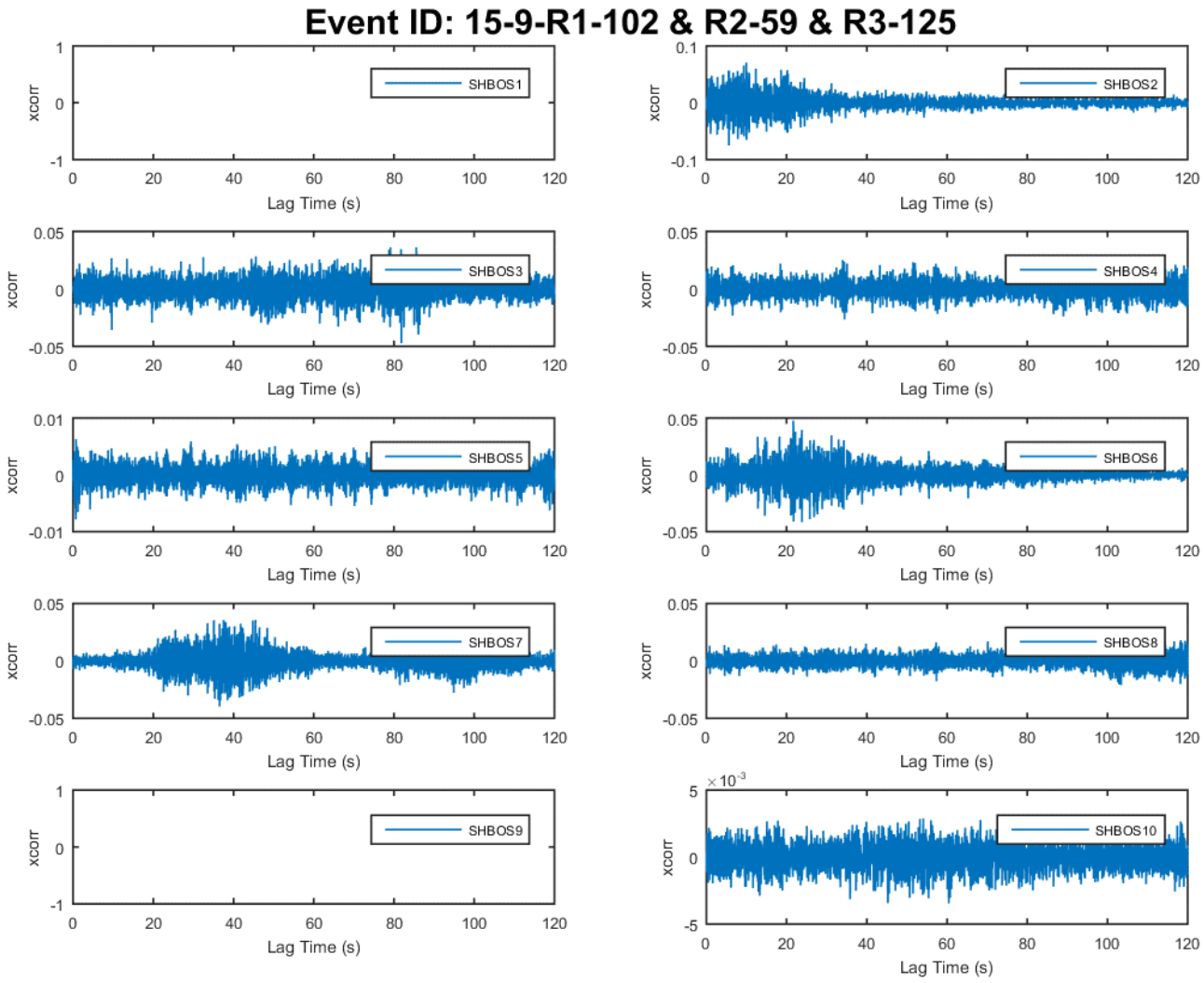


FIGURE 3.558: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-102 & R2-59 & R3-125

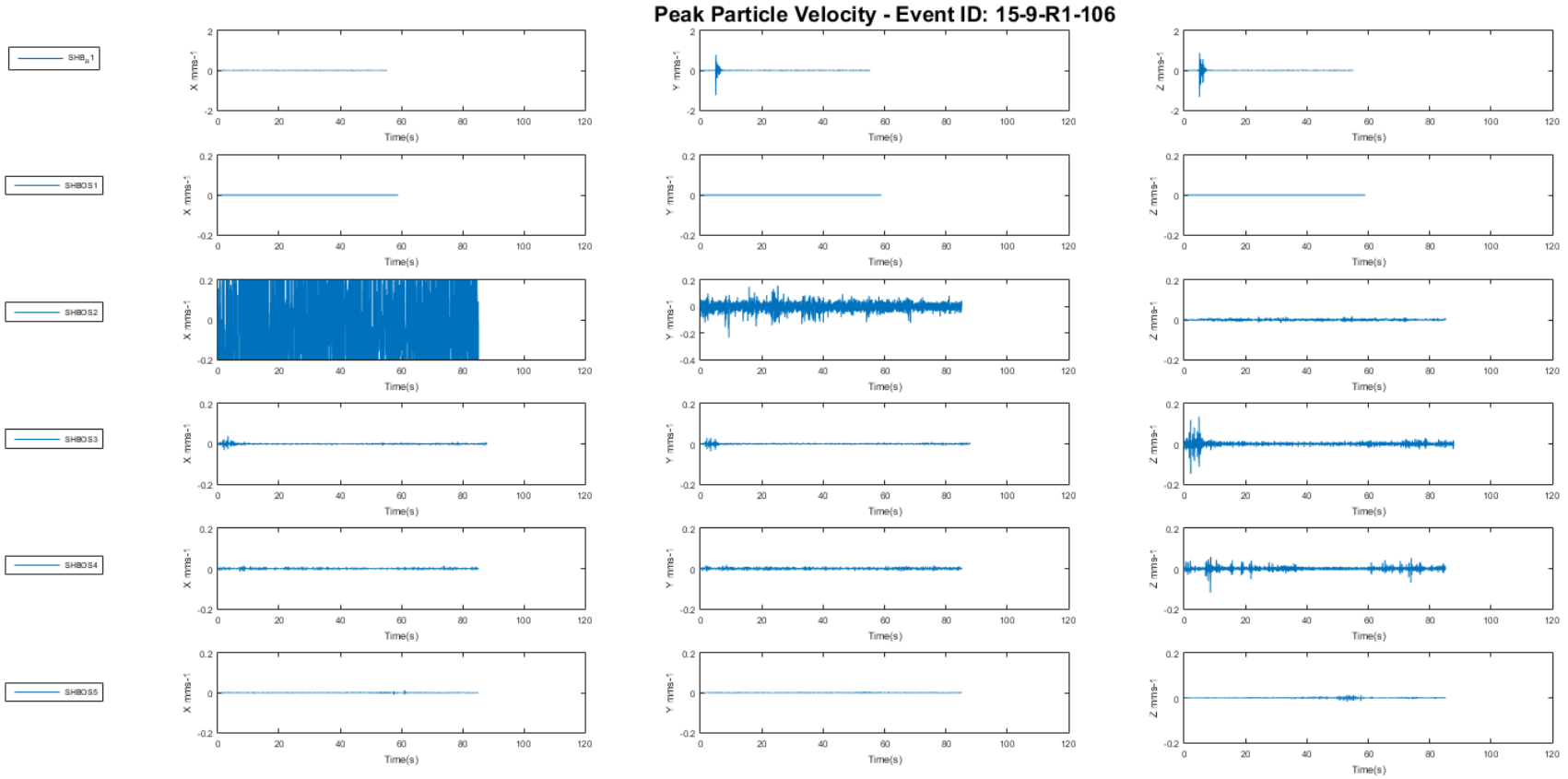


FIGURE 3.559: SHB_OS 1 - 5 15-9-R1-106

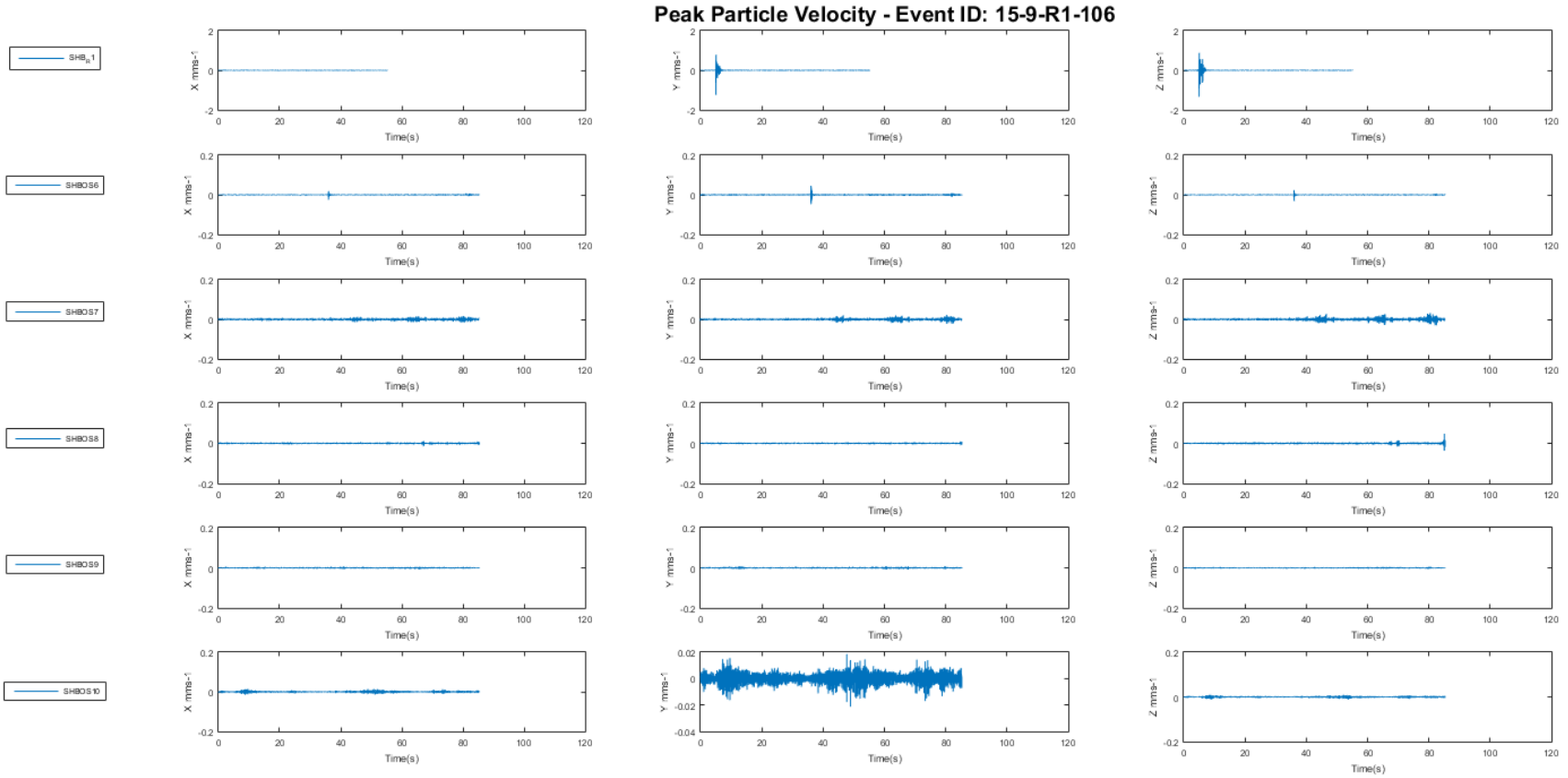


FIGURE 3.560: SHB_OS 6 - 10 15-9-R1-106

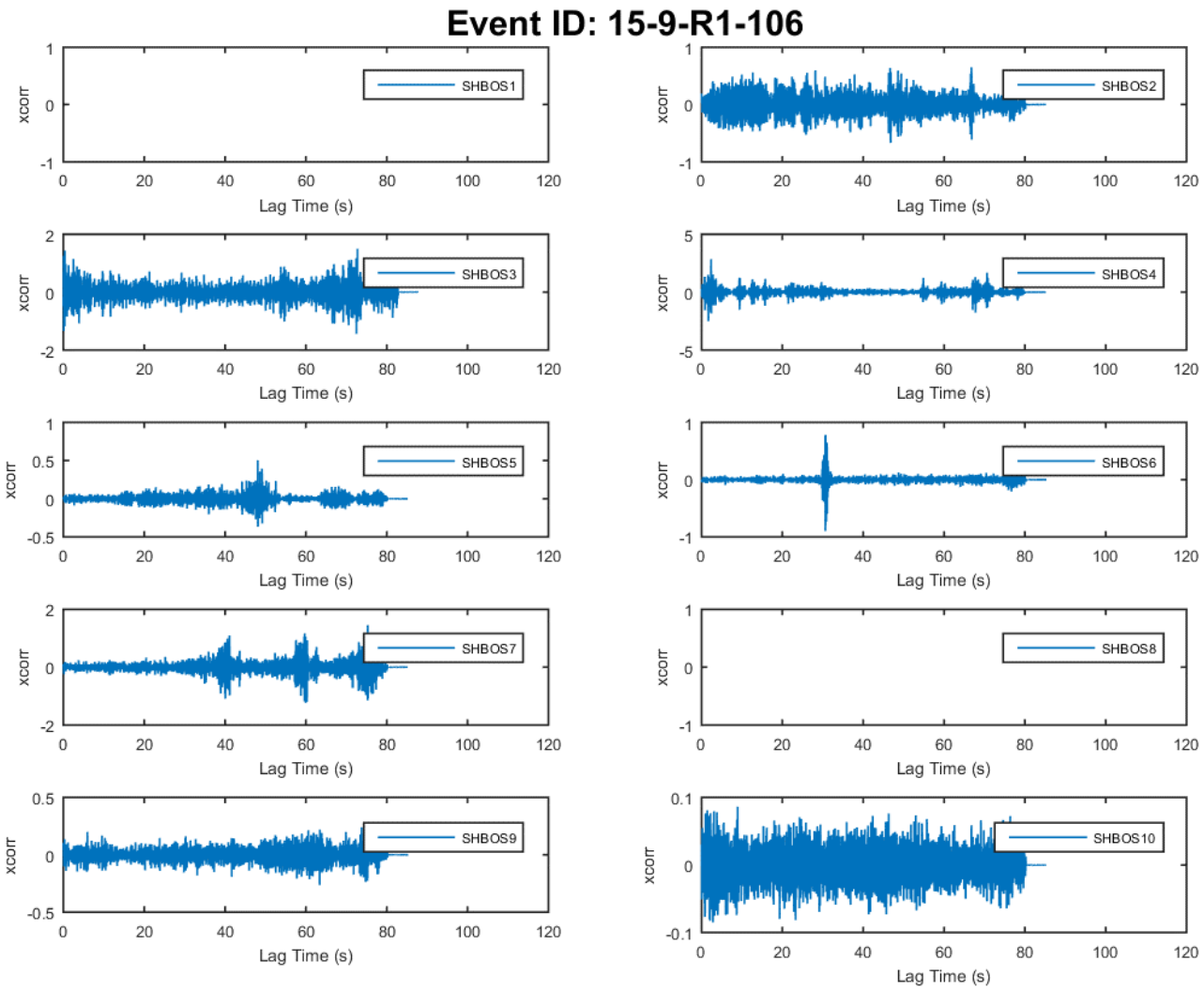


FIGURE 3.561: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-106

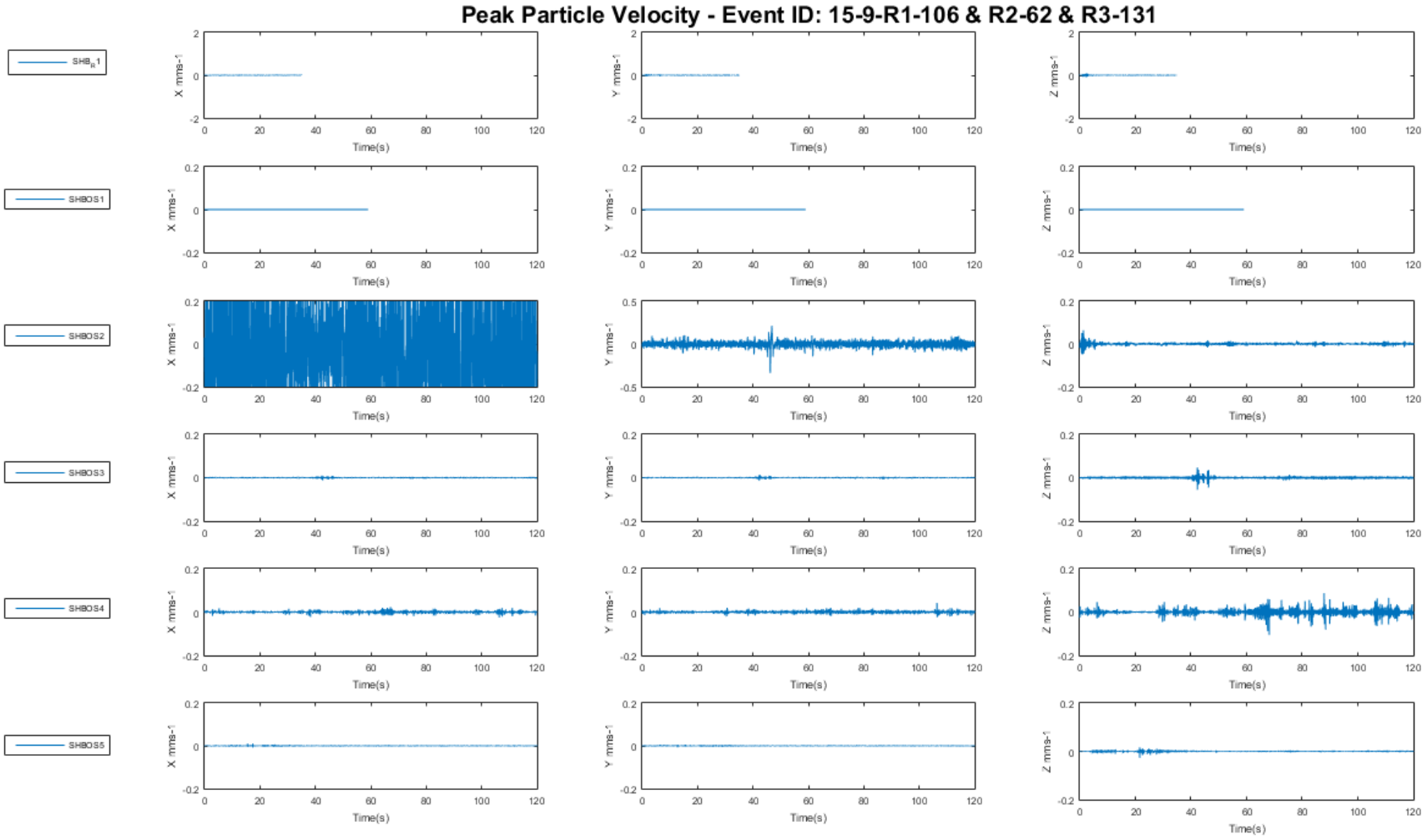


FIGURE 3.562: SHB_OS 1 - 5 15-9-R1-106 & R2-62 & R3-131

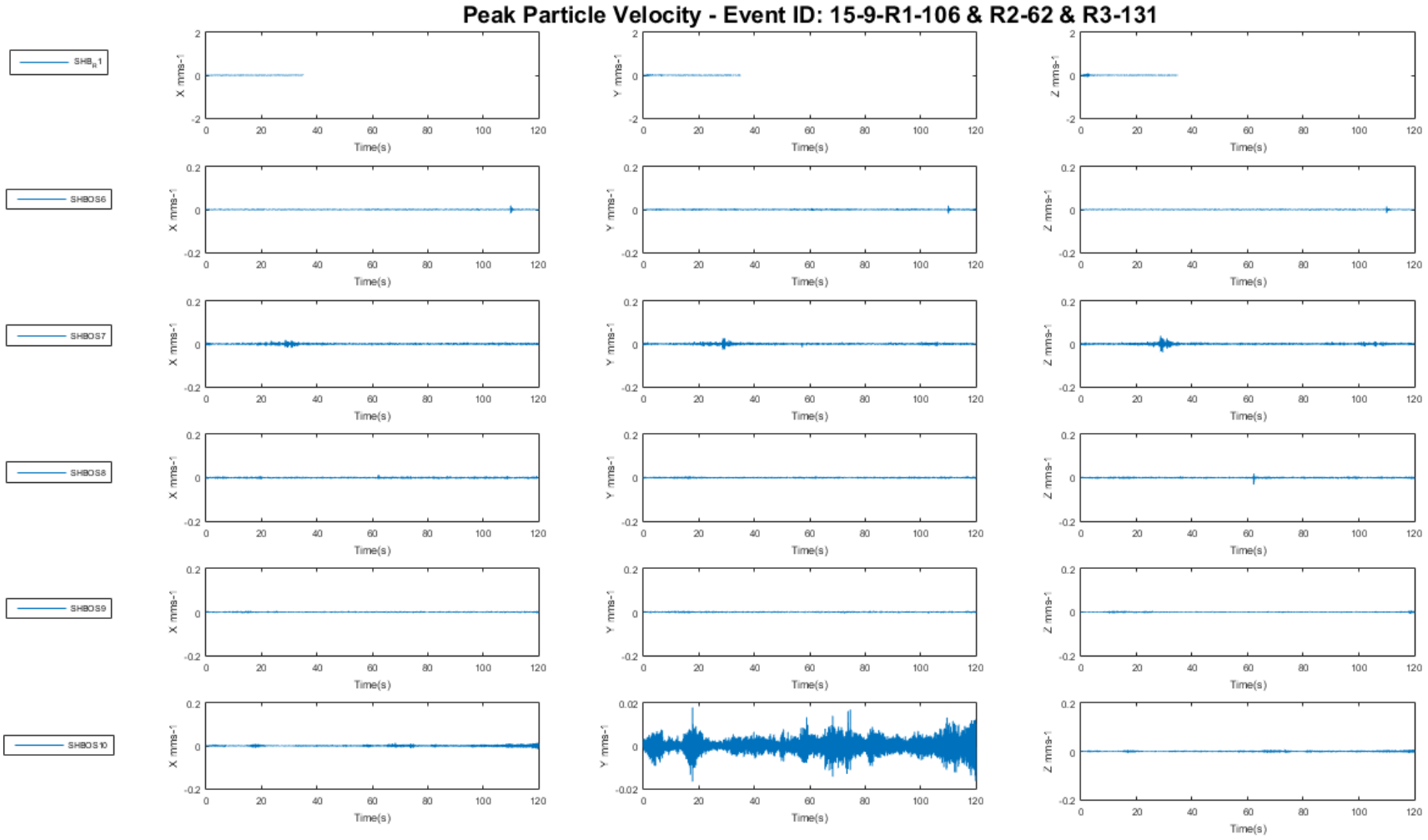


FIGURE 3.563: SHB_OS 6 - 10 15-9-R1-106 & R2-62 & R3-131

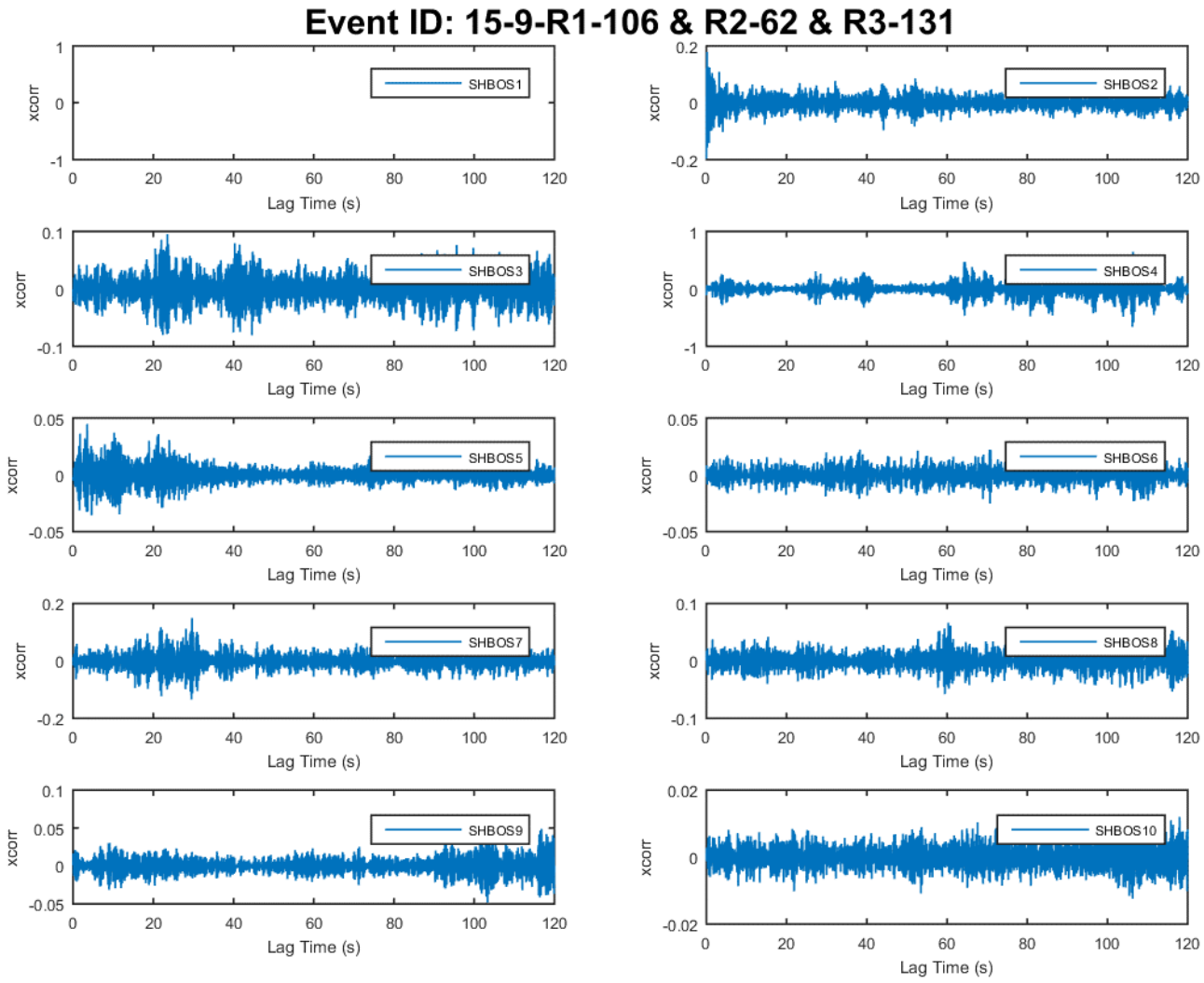


FIGURE 3.564: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-106 & R2-62 & R3-131

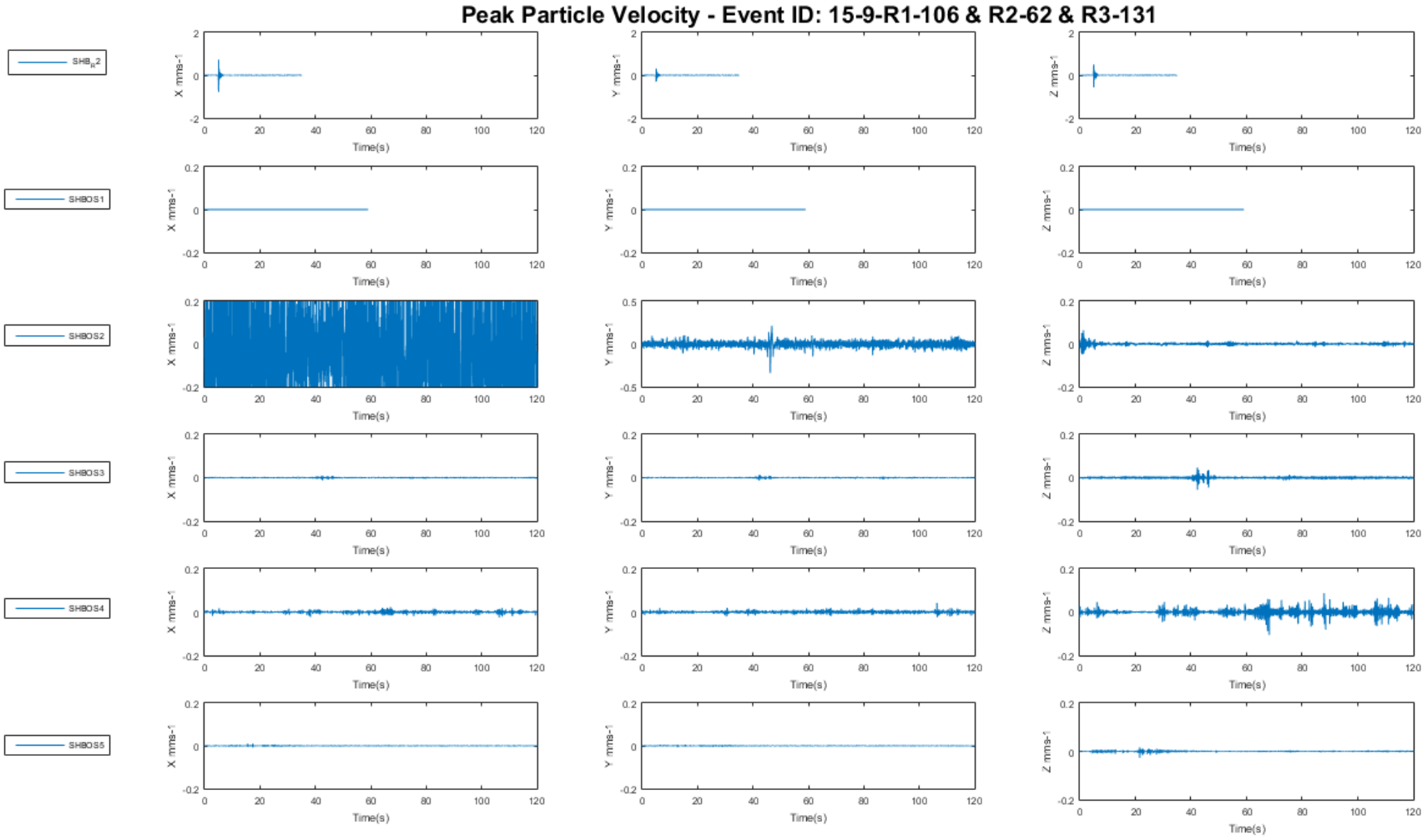


FIGURE 3.565: SHB_OS 1 - 5 15-9-R1-106 & R2-62 & R3-131

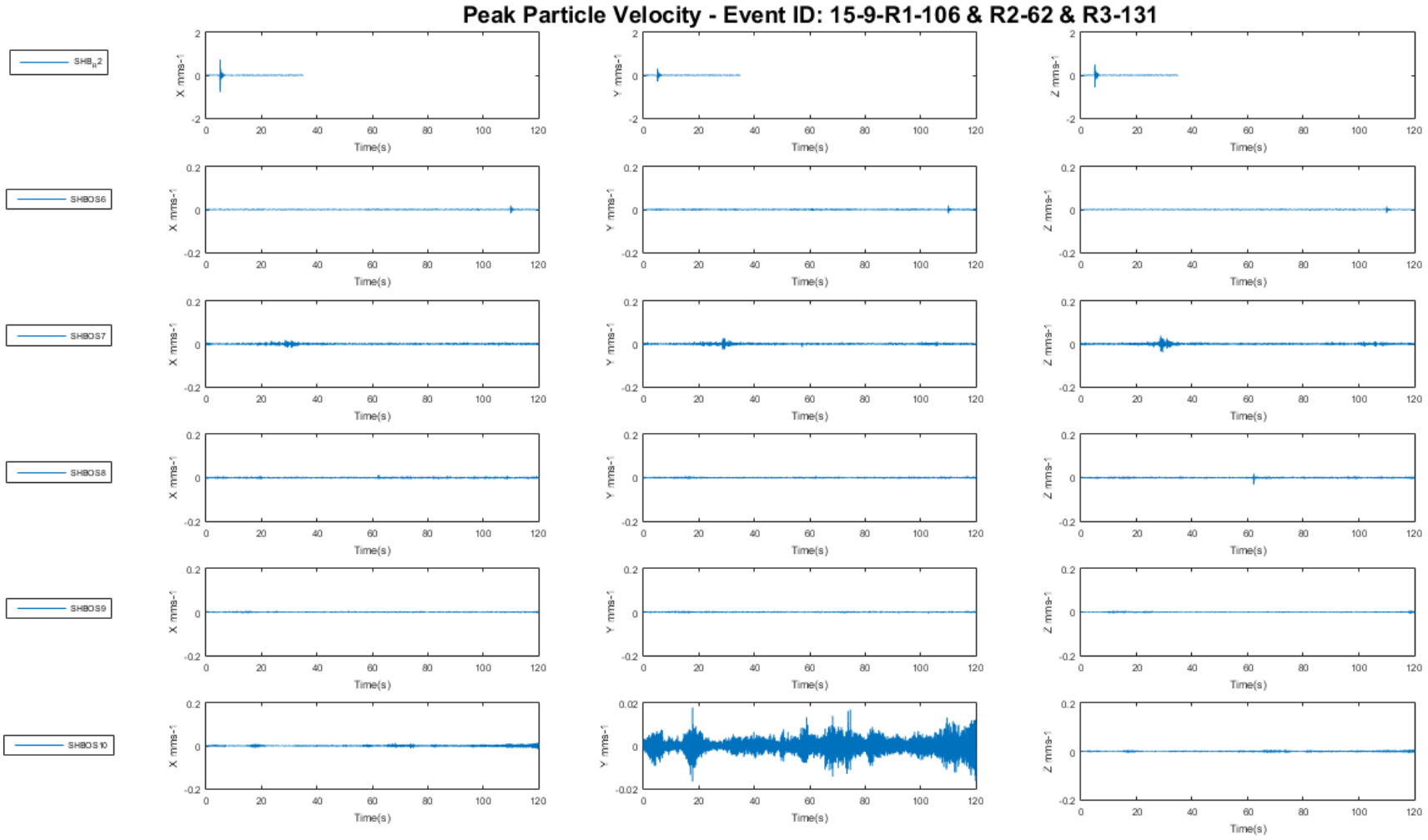


FIGURE 3.566: SHB_OS 6 - 10 15-9-R1-106 & R2-62 & R3-131

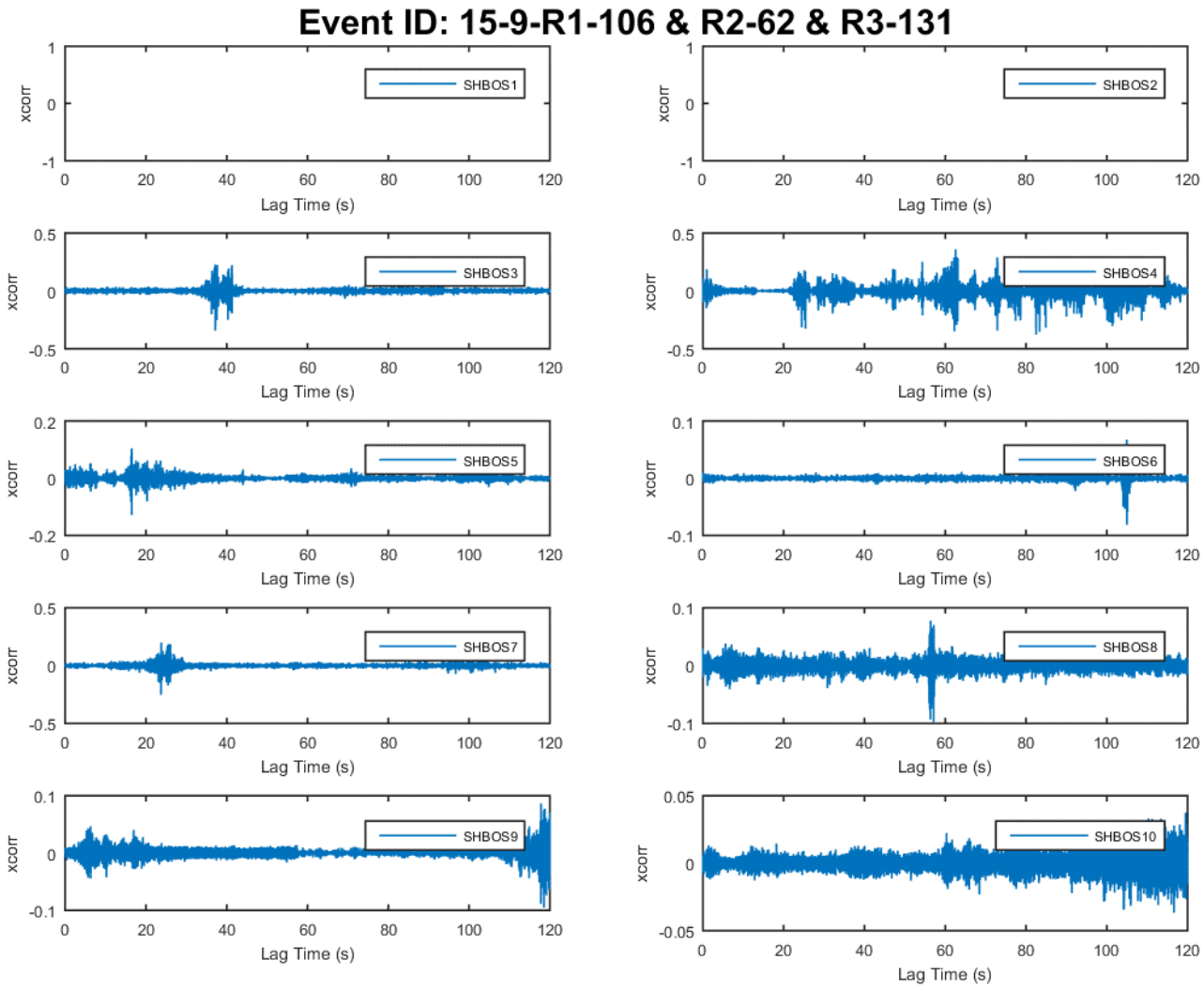


FIGURE 3.567: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-106 & R2-62 & R3-131

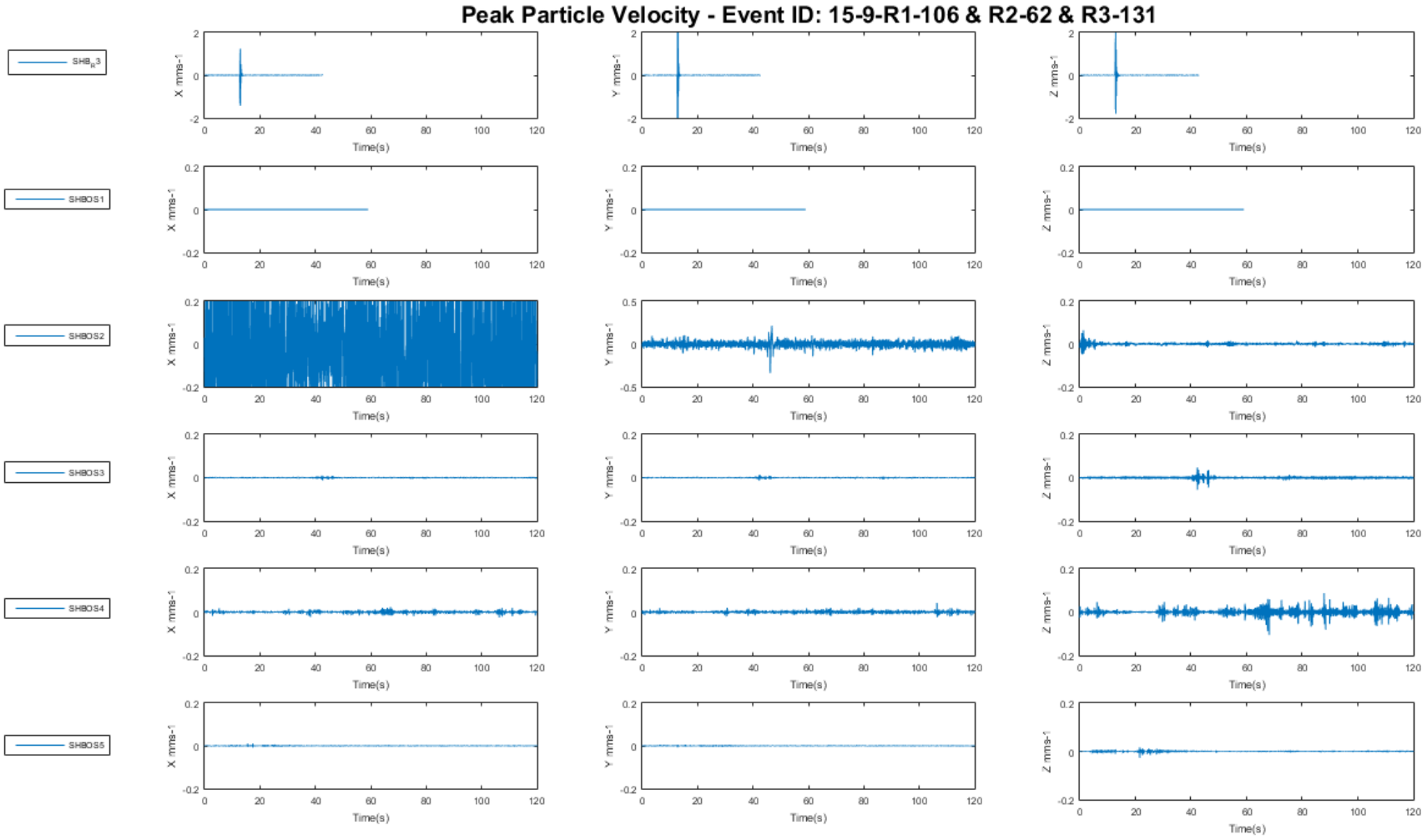


FIGURE 3.568: SHB_OS 1 - 5 15-9-R1-106 & R2-62 & R3-131

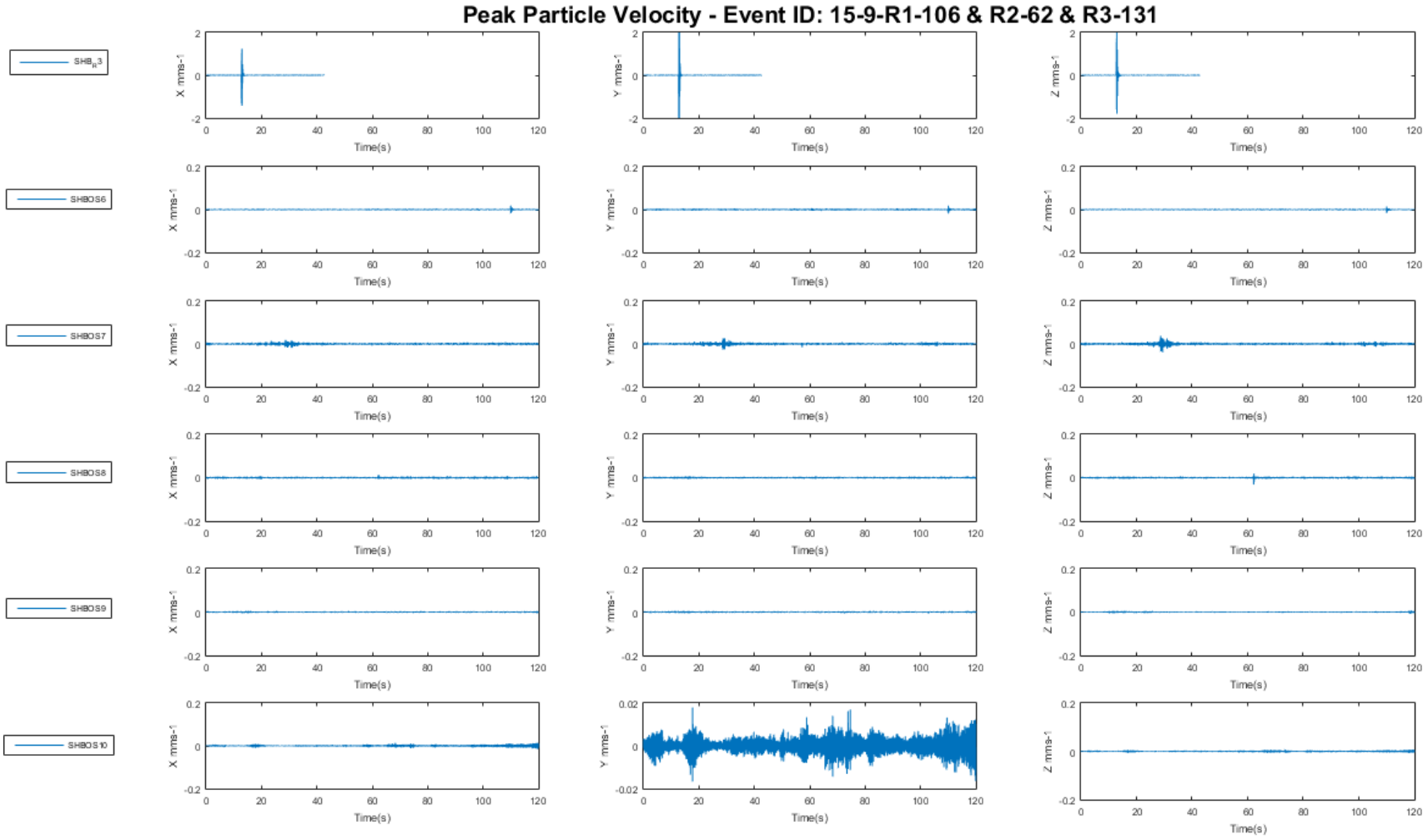


FIGURE 3.569: SHB_OS 6 - 10 15-9-R1-106 & R2-62 & R3-131

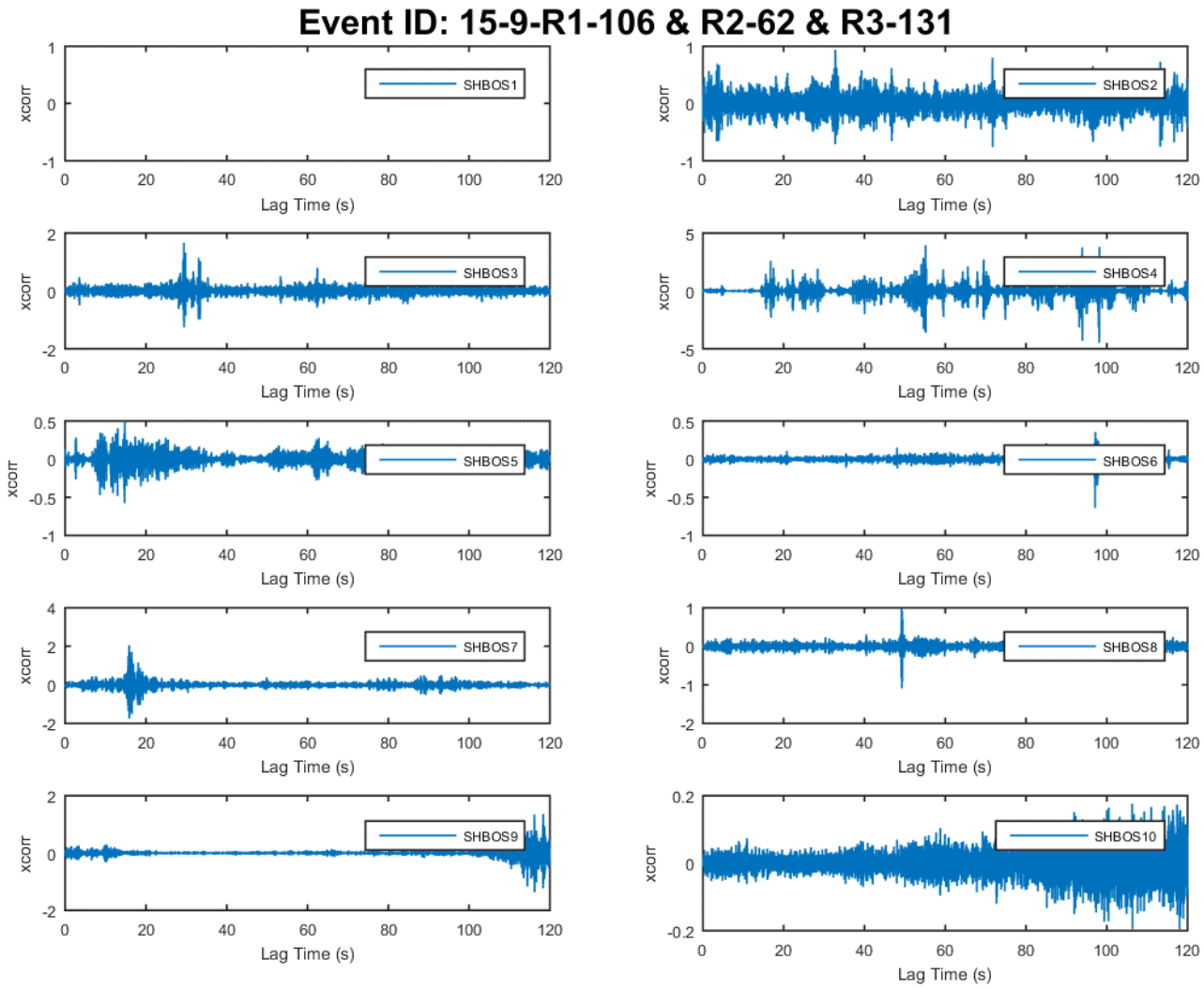


FIGURE 3.570: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-106 & R2-62 & R3-131

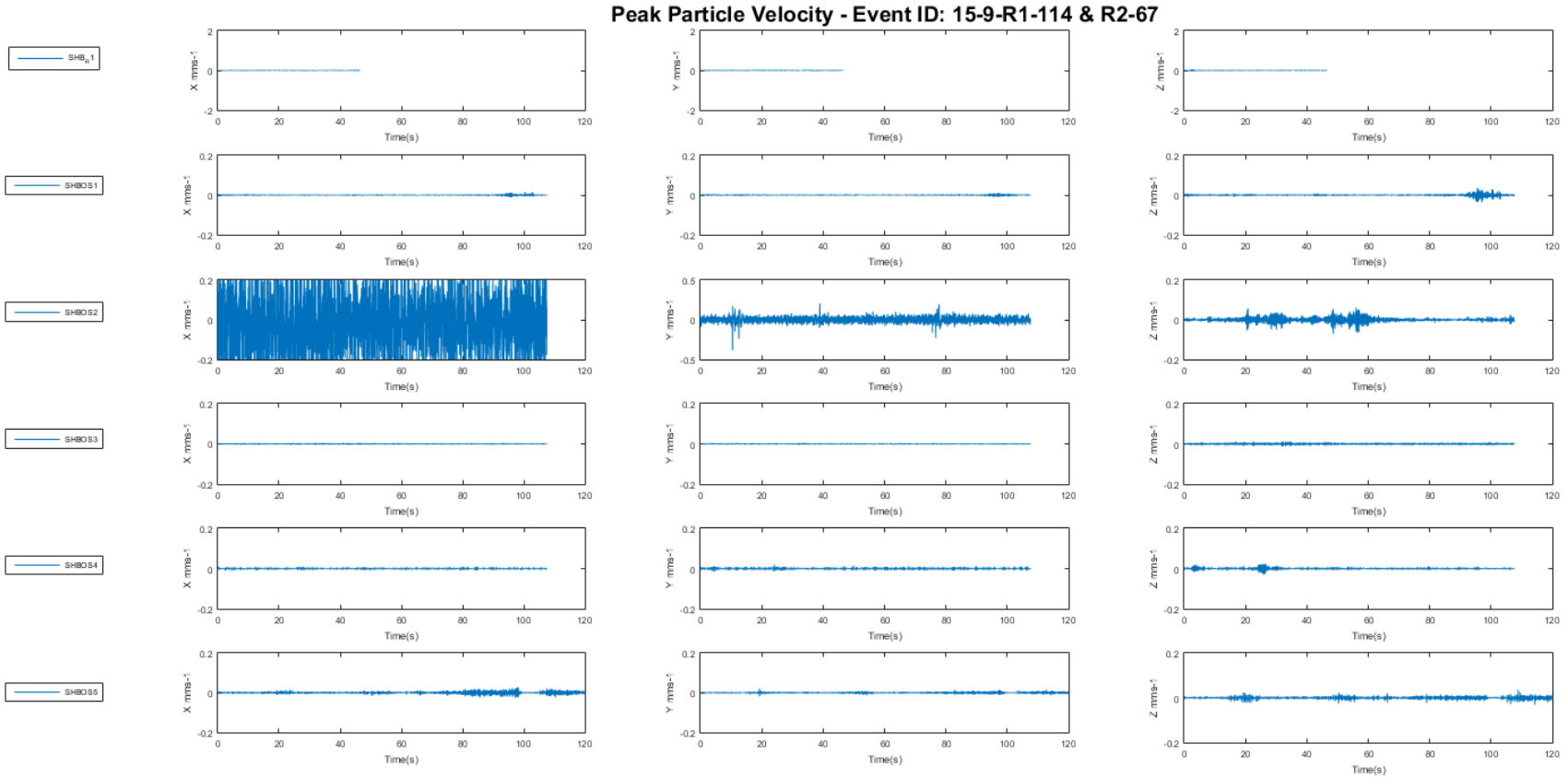


FIGURE 3.571: SHB_OS 1 - 5 15-9-R1-114 & R2-67

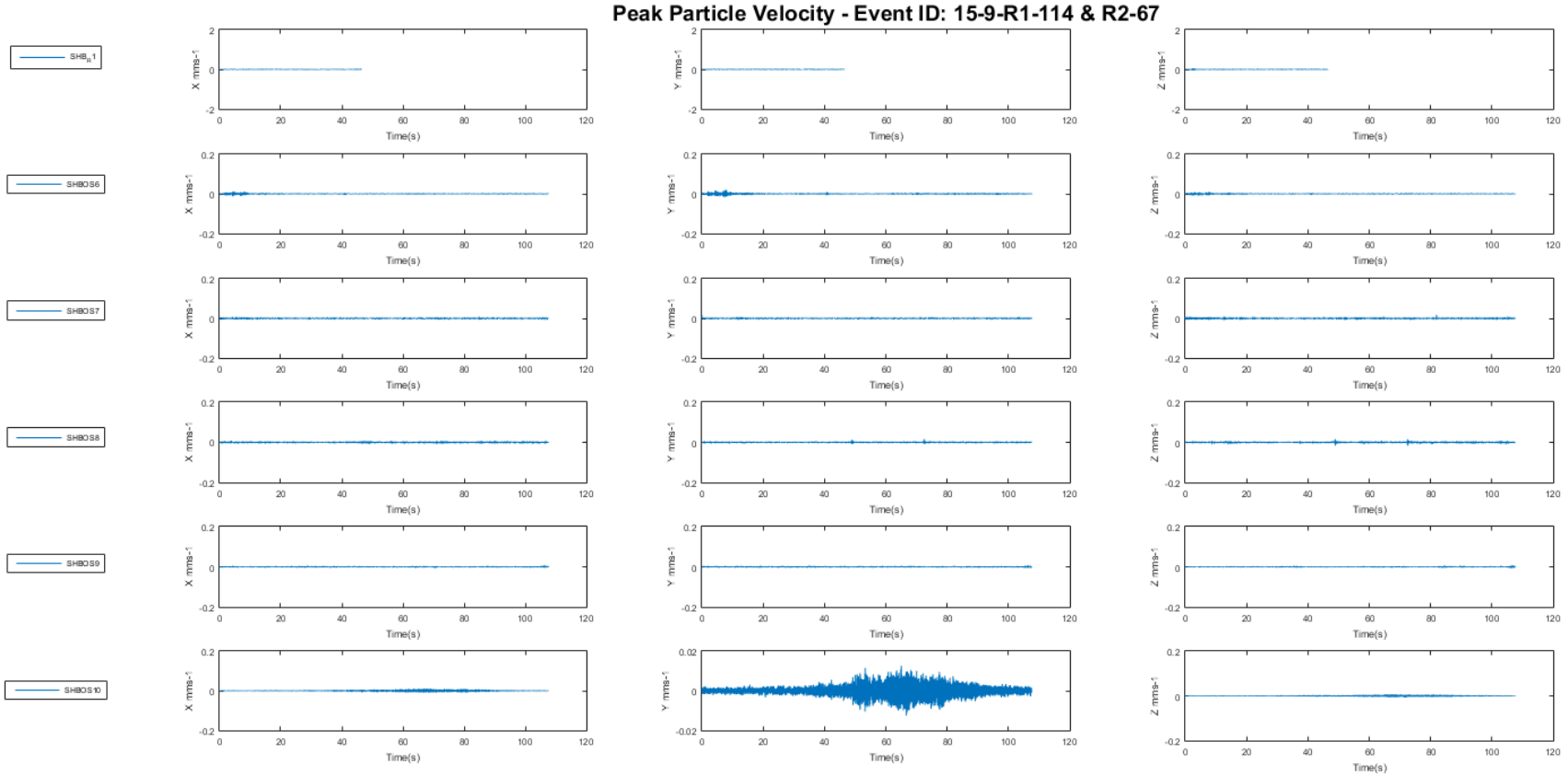


FIGURE 3.572: SHB_OS 6 - 10 15-9-R1-114 & R2-67

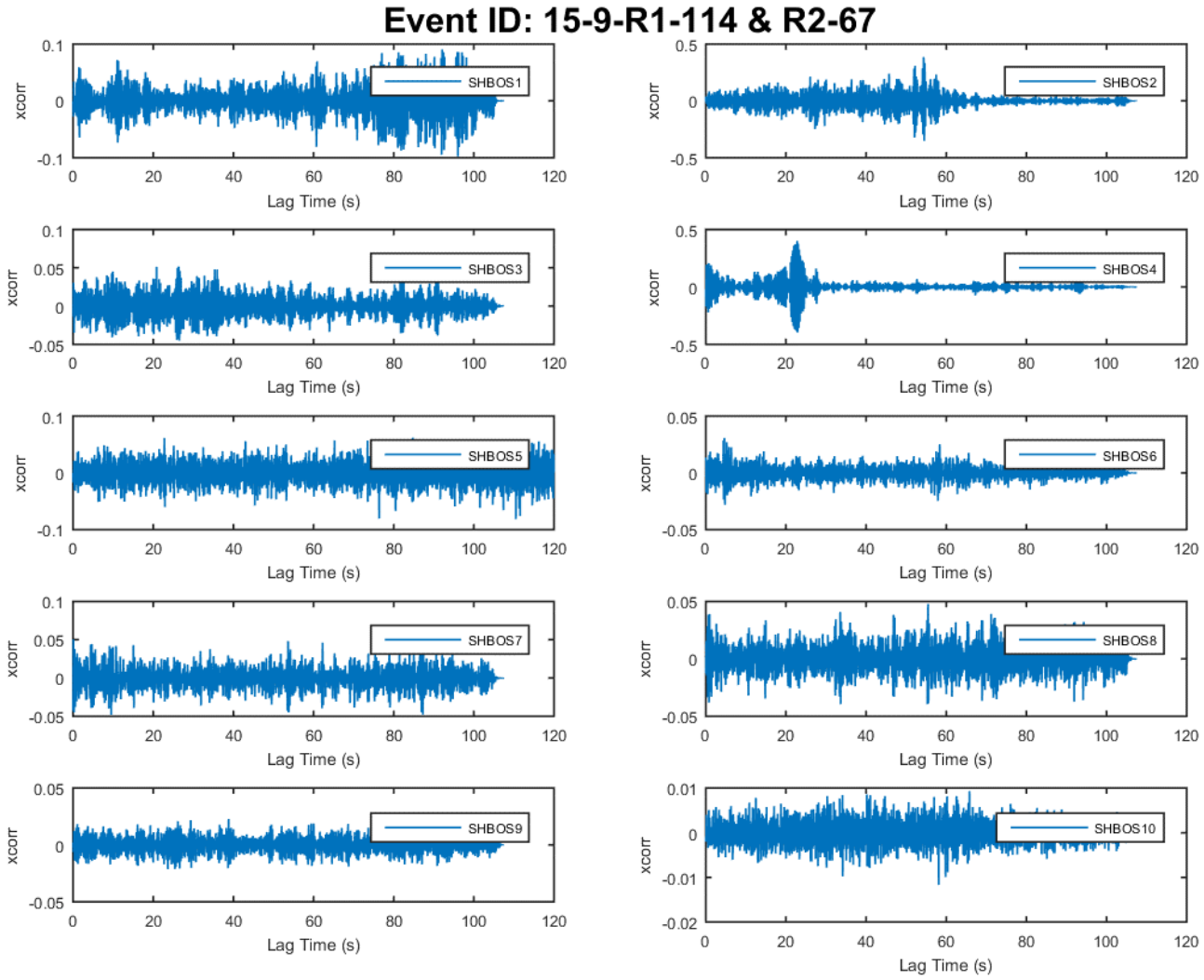


FIGURE 3.573: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-114 & R2-67

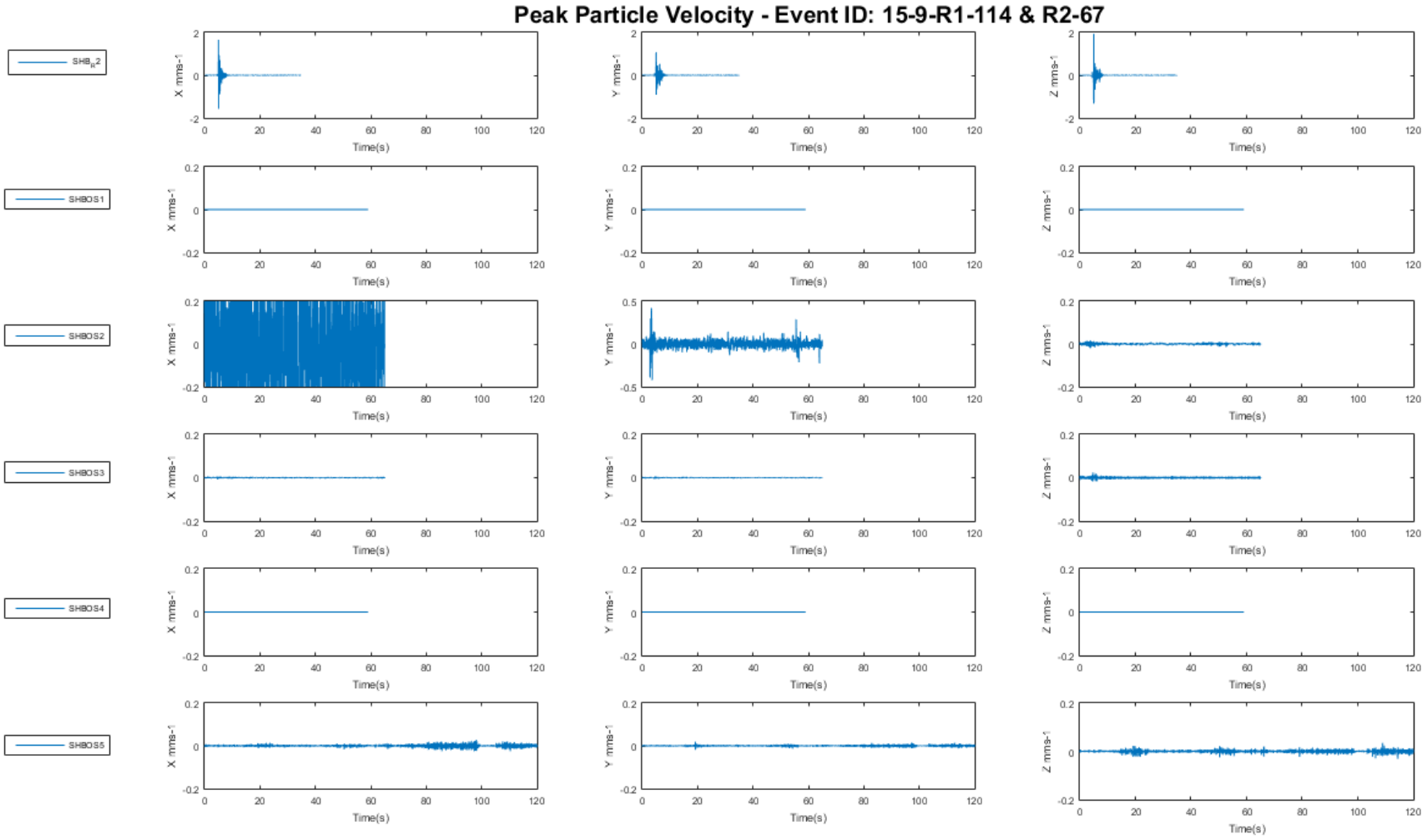


FIGURE 3.574: SHB_OS 1 - 5 15-9-R1-114 & R2-67

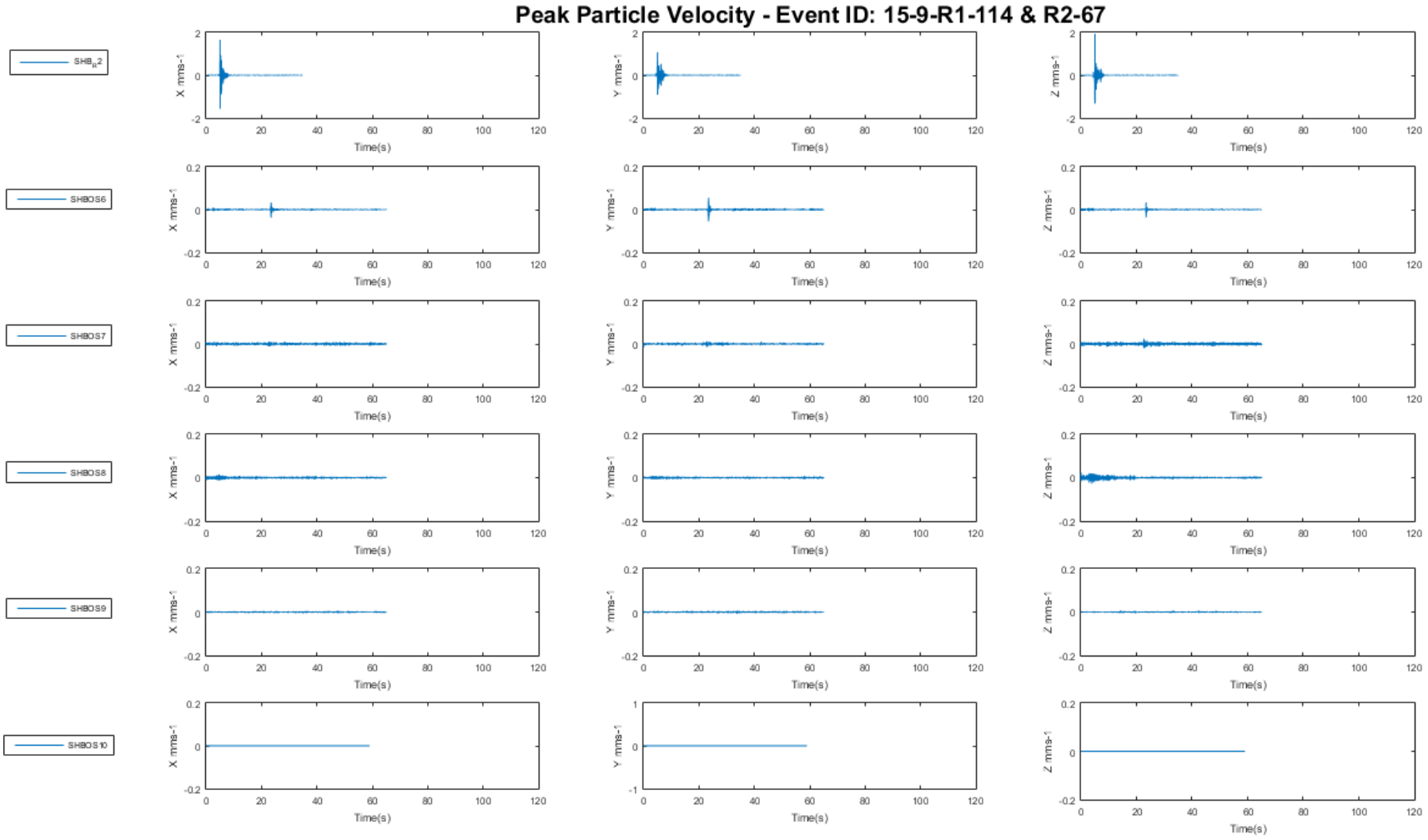


FIGURE 3.575: SHB_OS 6 - 10 15-9-R1-114 & R2-67

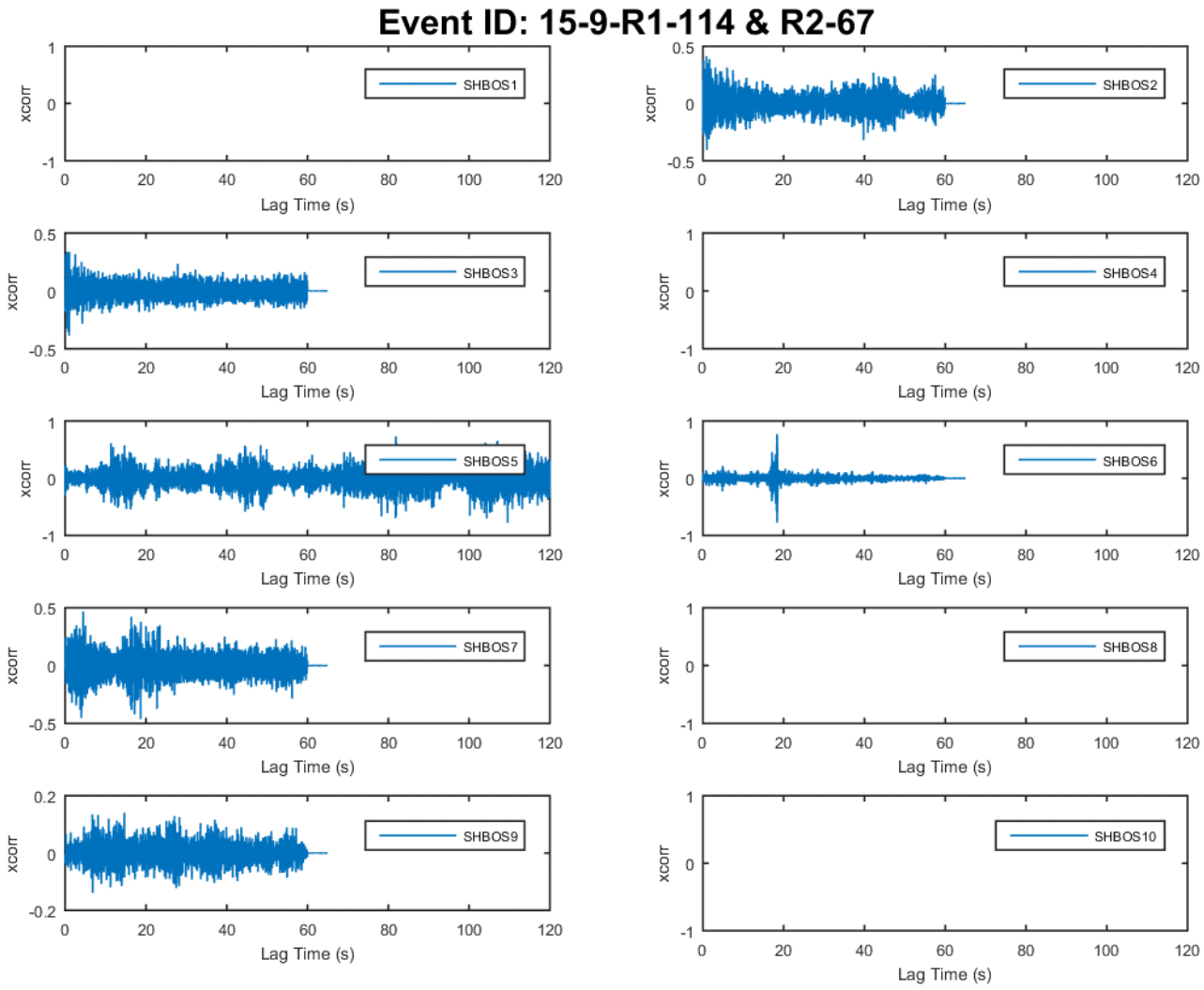


FIGURE 3.576: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-114 & R2-67

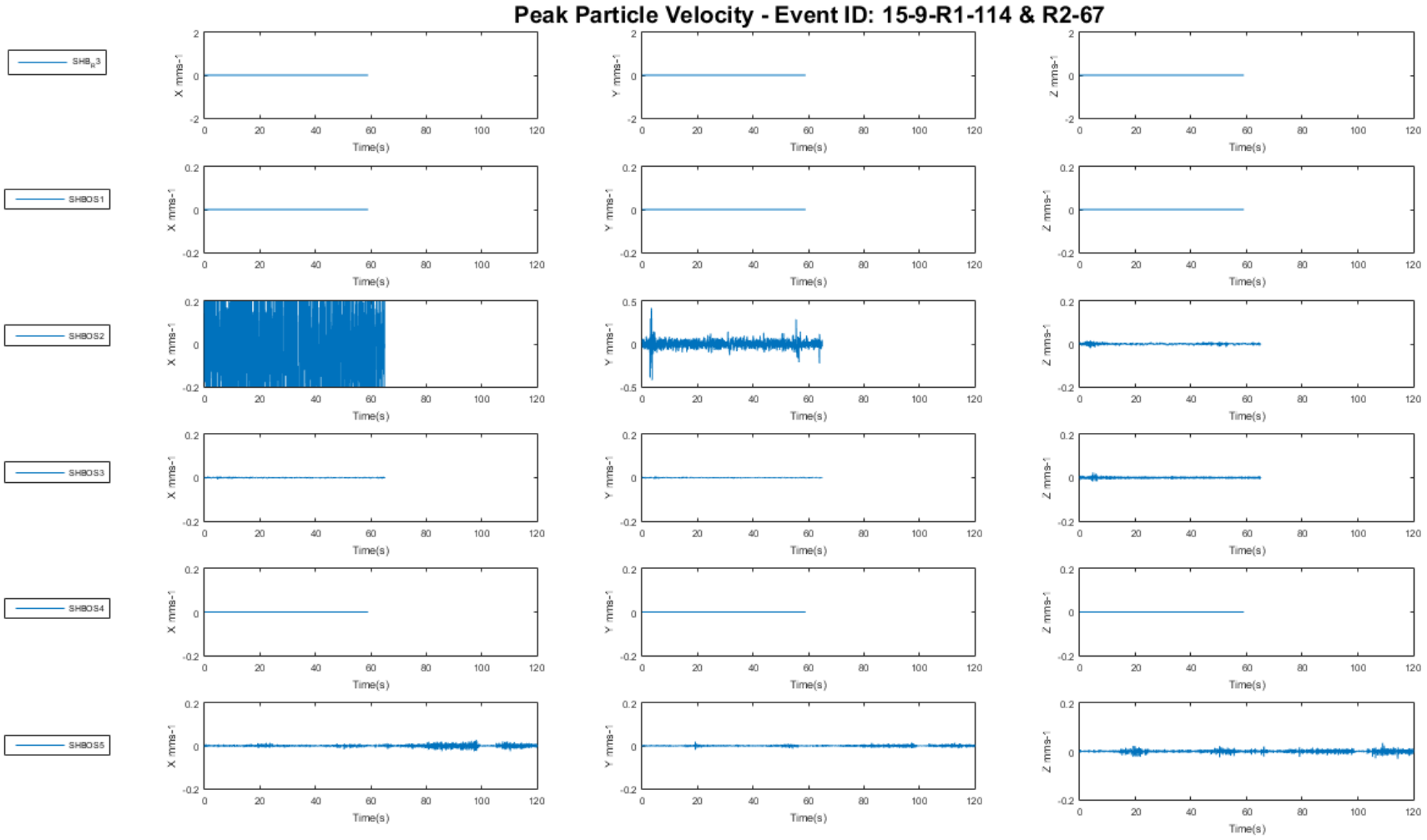


FIGURE 3.577: SHB_OS 1 - 5 15-9-R1-114 & R2-67

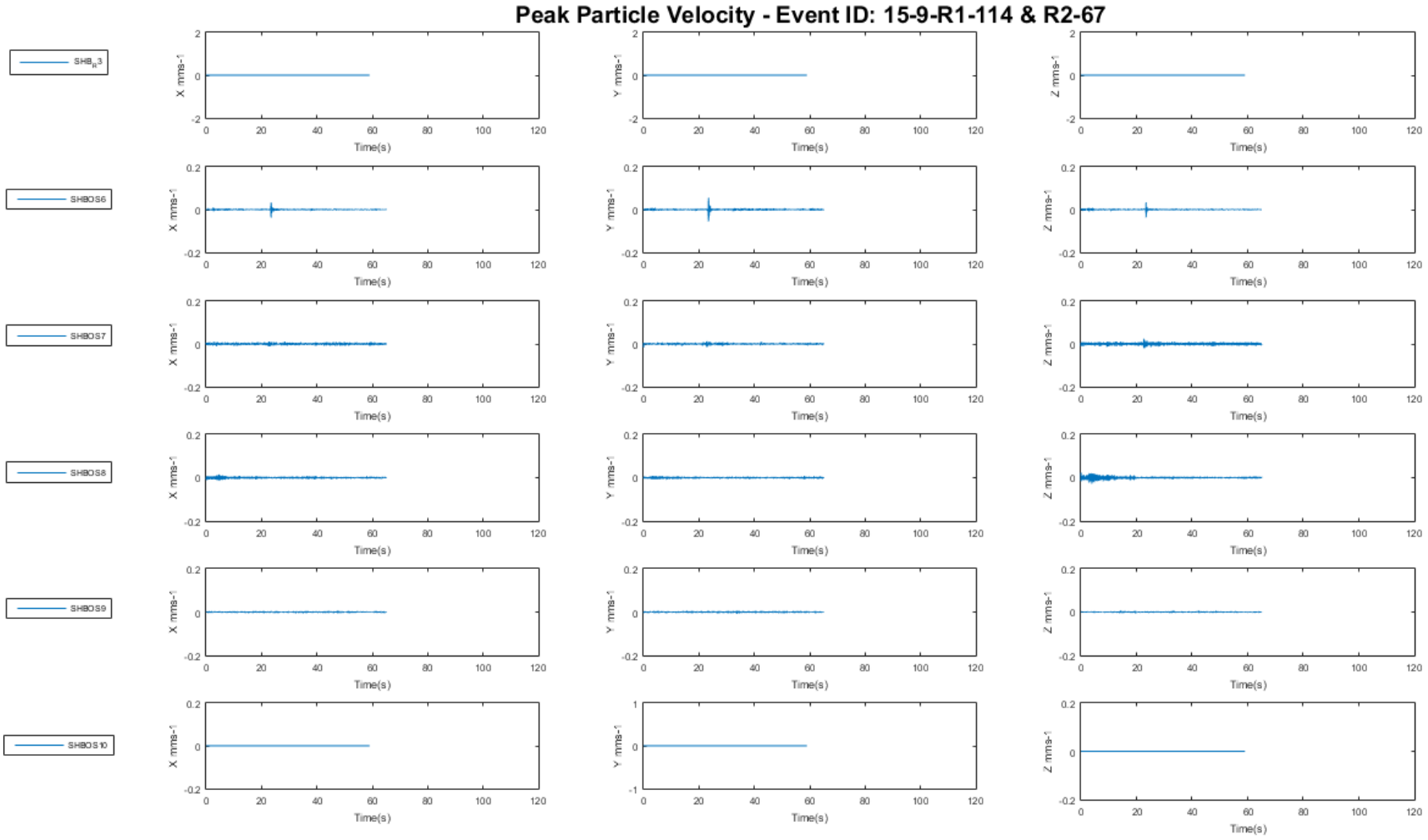


FIGURE 3.578: SHB_OS 6 - 10 15-9-R1-114 & R2-67

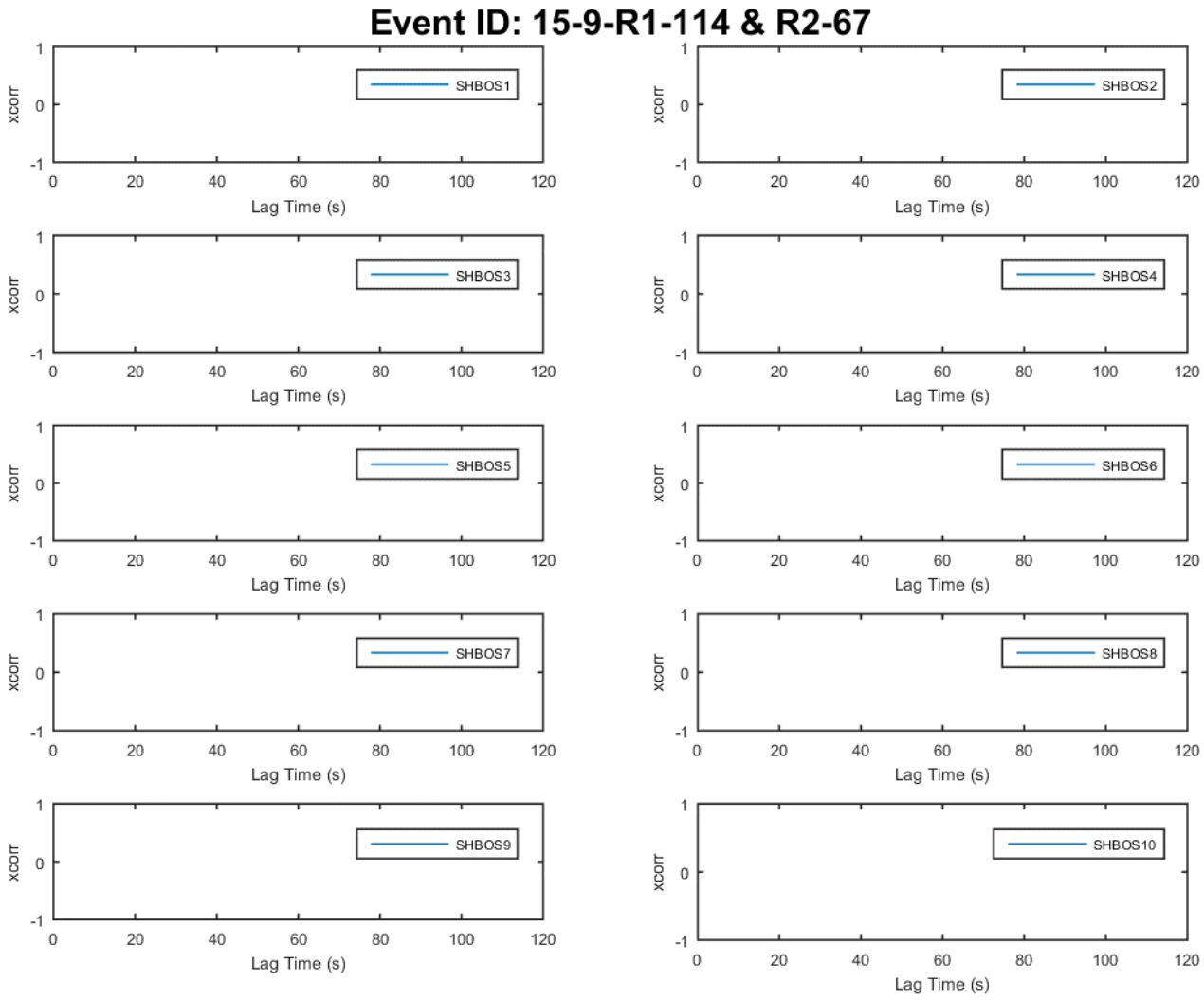


FIGURE 3.579: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-114 & R2-67

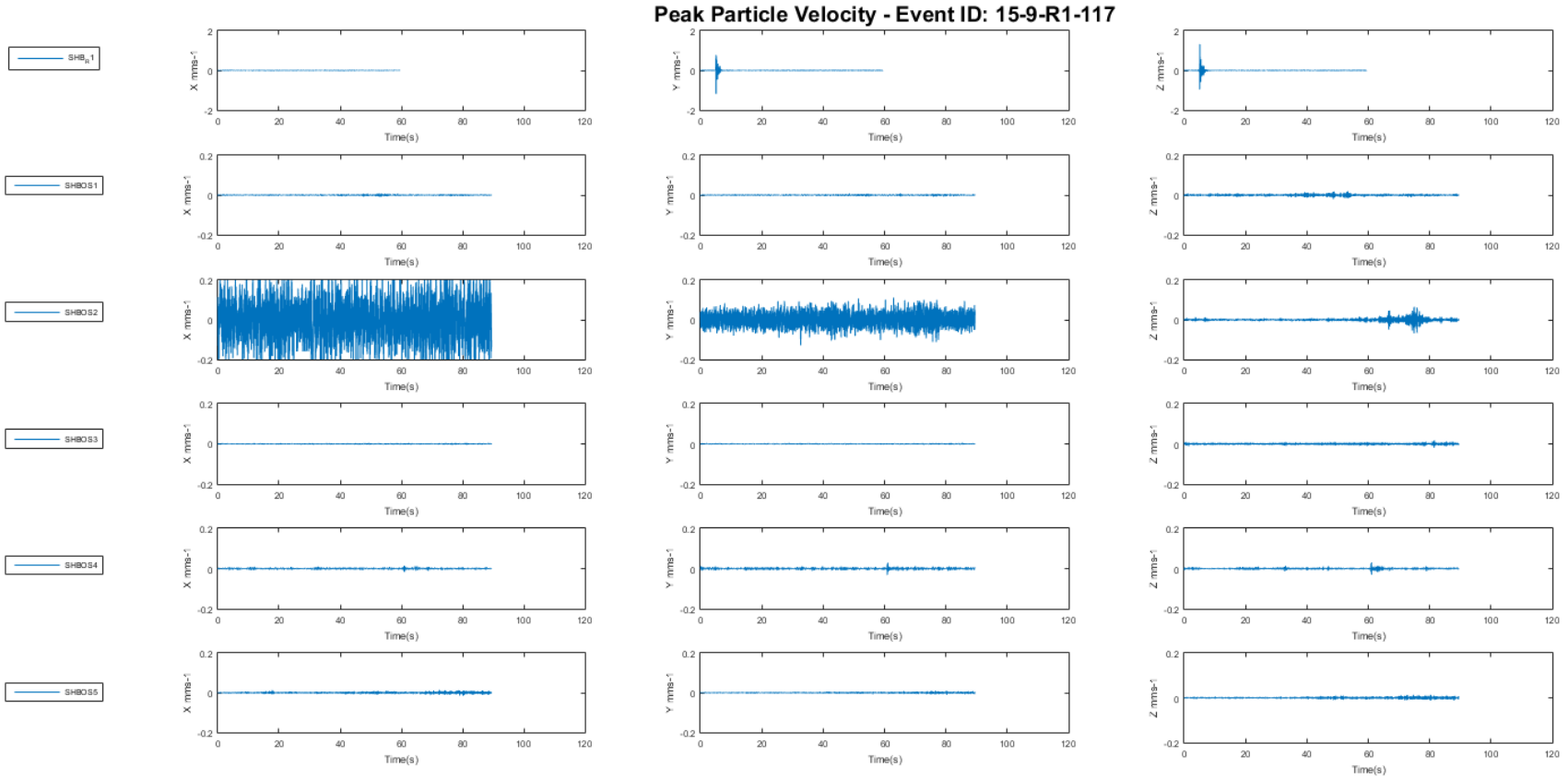


FIGURE 3.580: SHB_OS 1 - 5 15-9-R1-117

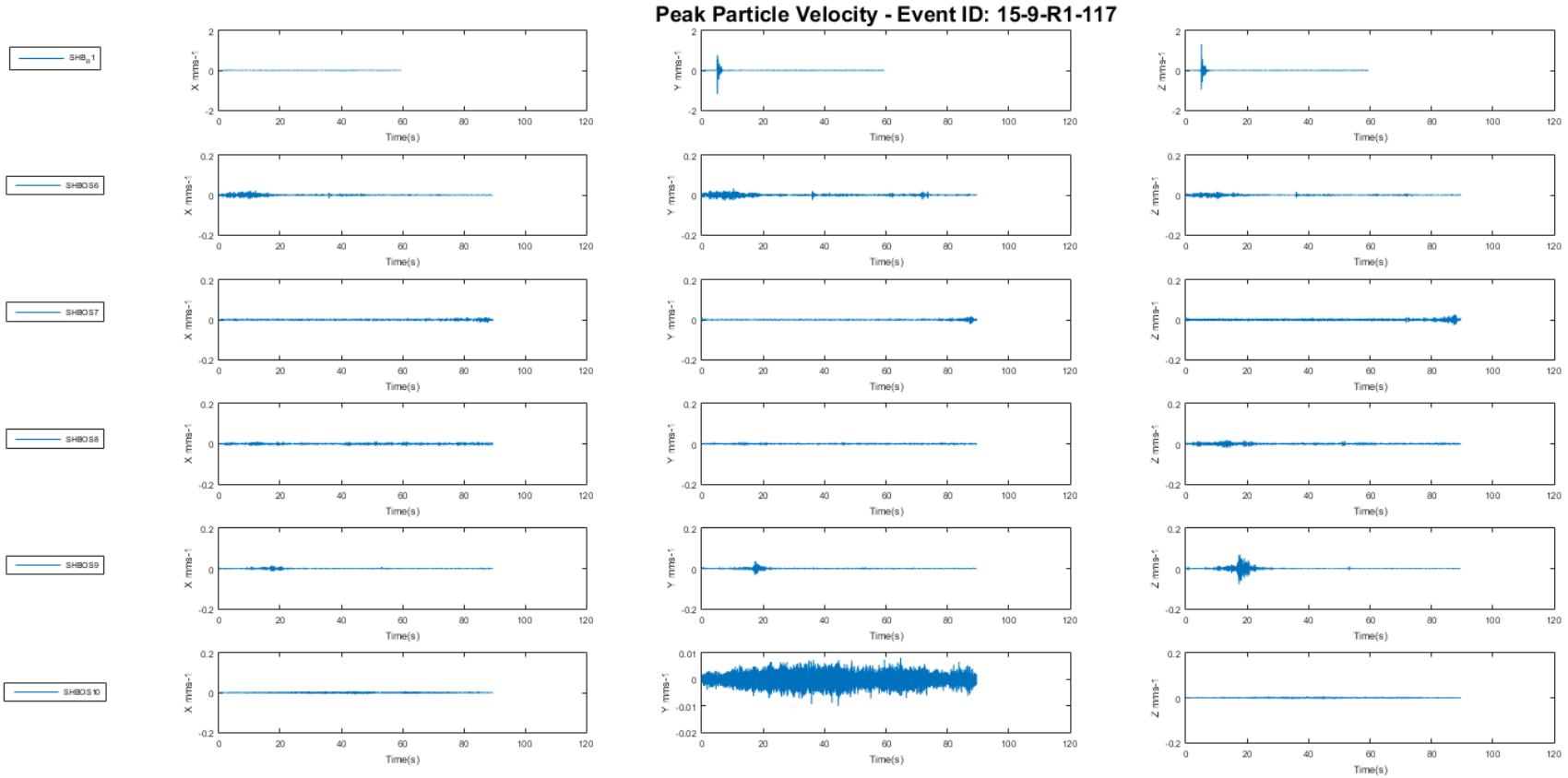


FIGURE 3.581: SHB_OS 6 - 10 15-9-R1-117

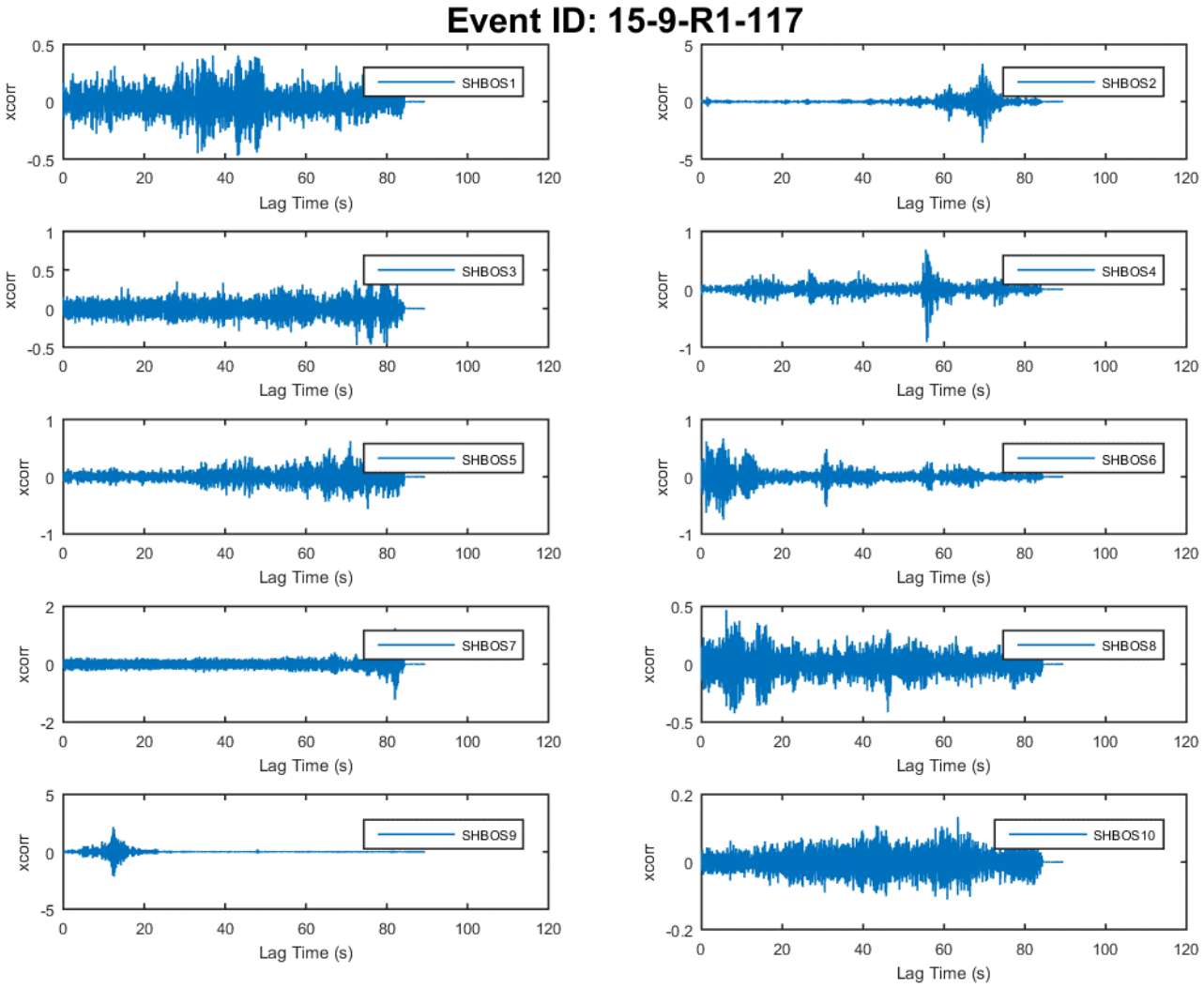


FIGURE 3.582: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-117

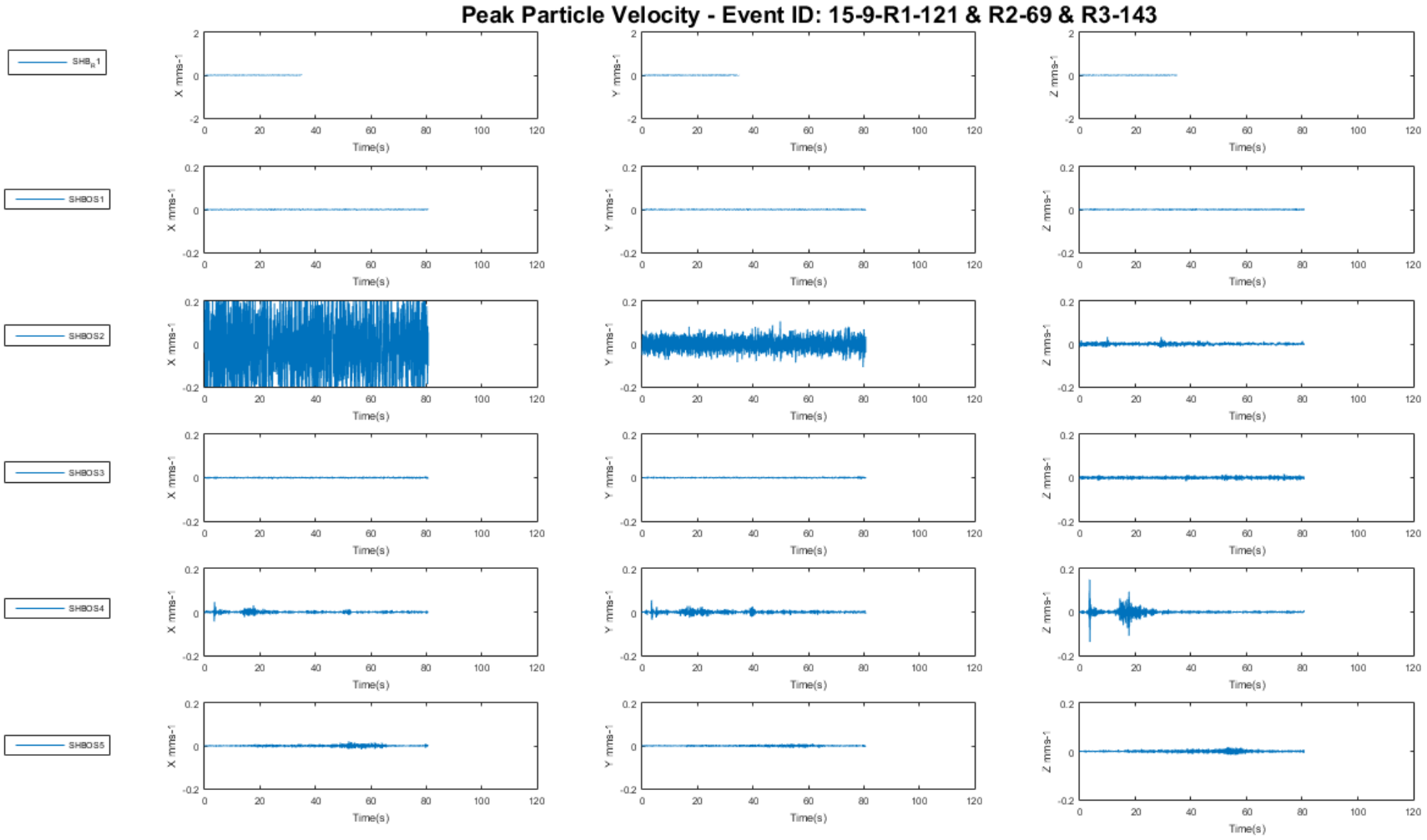


FIGURE 3.583: SHB_OS 1 - 5 15-9-R1-121 & R2-69 & R3-143

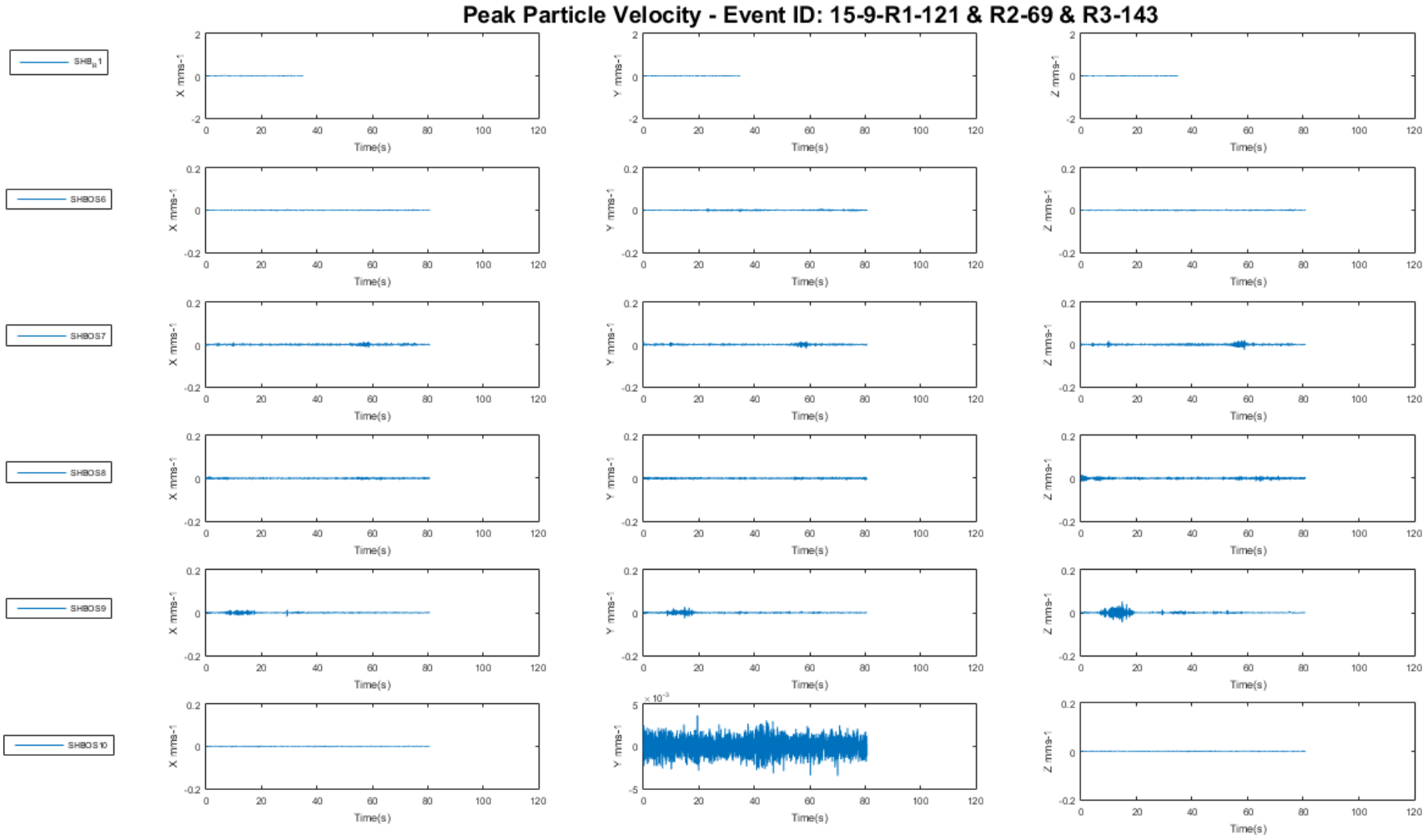


FIGURE 3.584: SHB_OS 6 - 10 15-9-R1-121 & R2-69 & R3-143

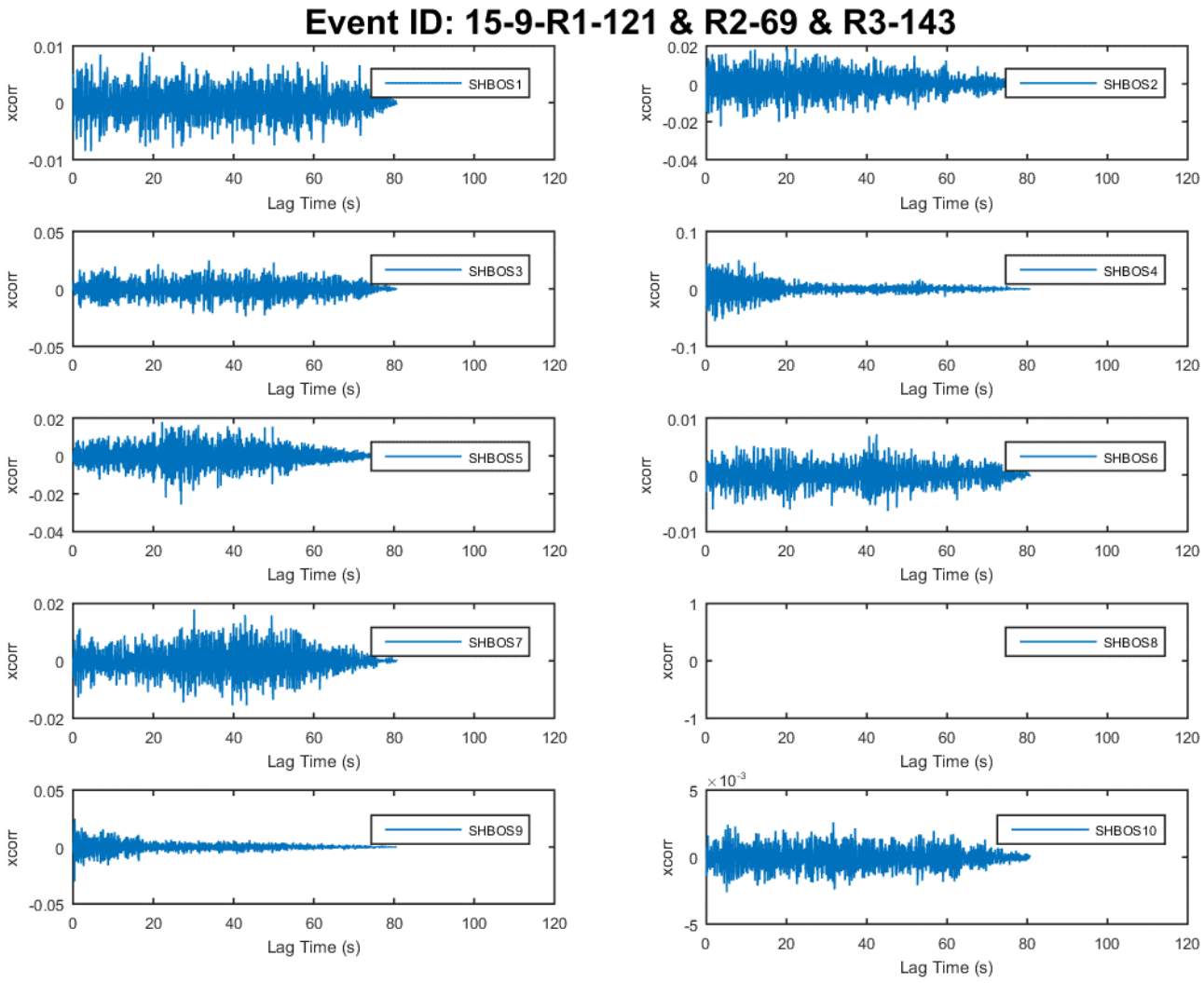


FIGURE 3.585: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-121 & R2-69 & R3-143

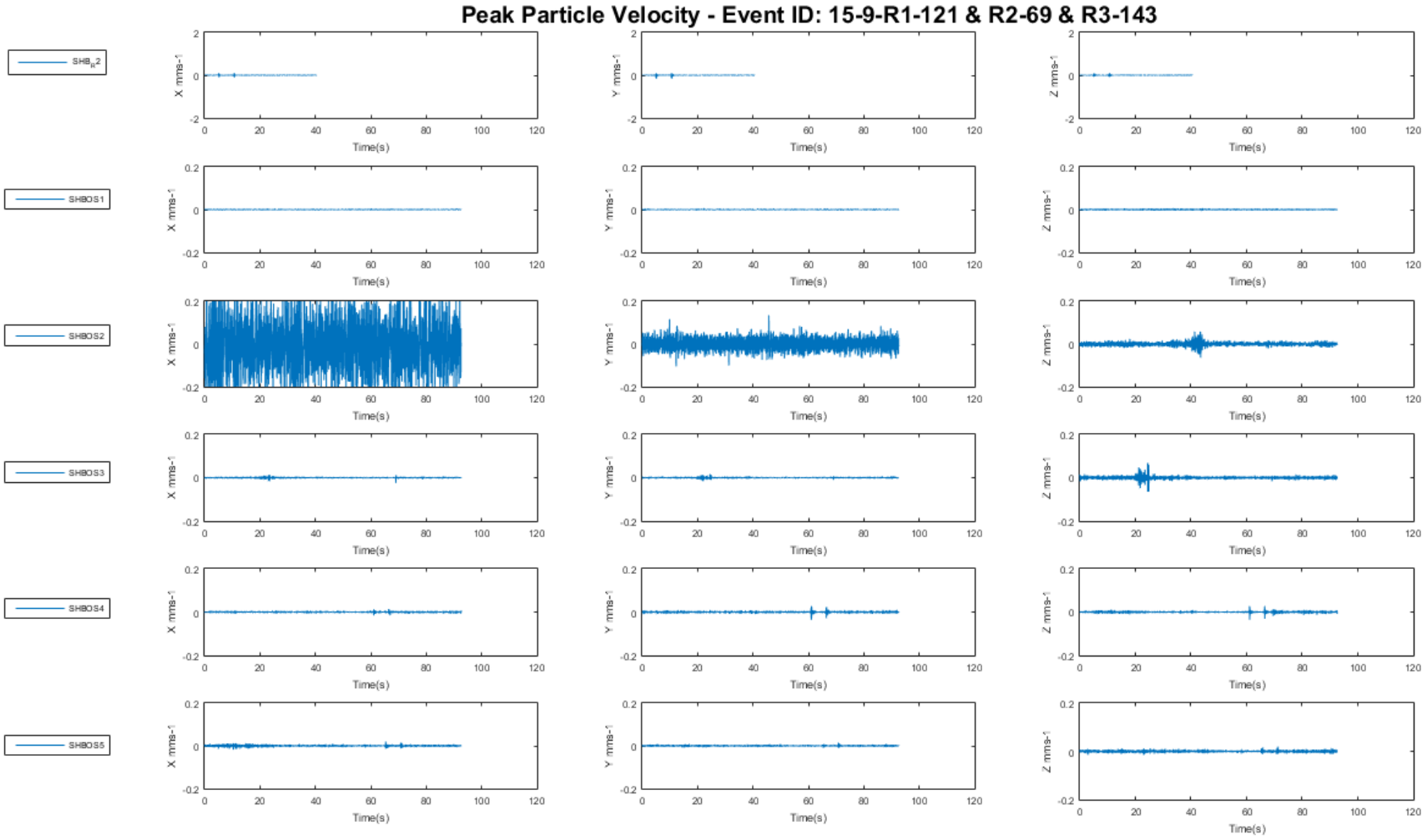


FIGURE 3.586: SHB_OS 1 - 5 15-9-R1-121 & R2-69 & R3-143

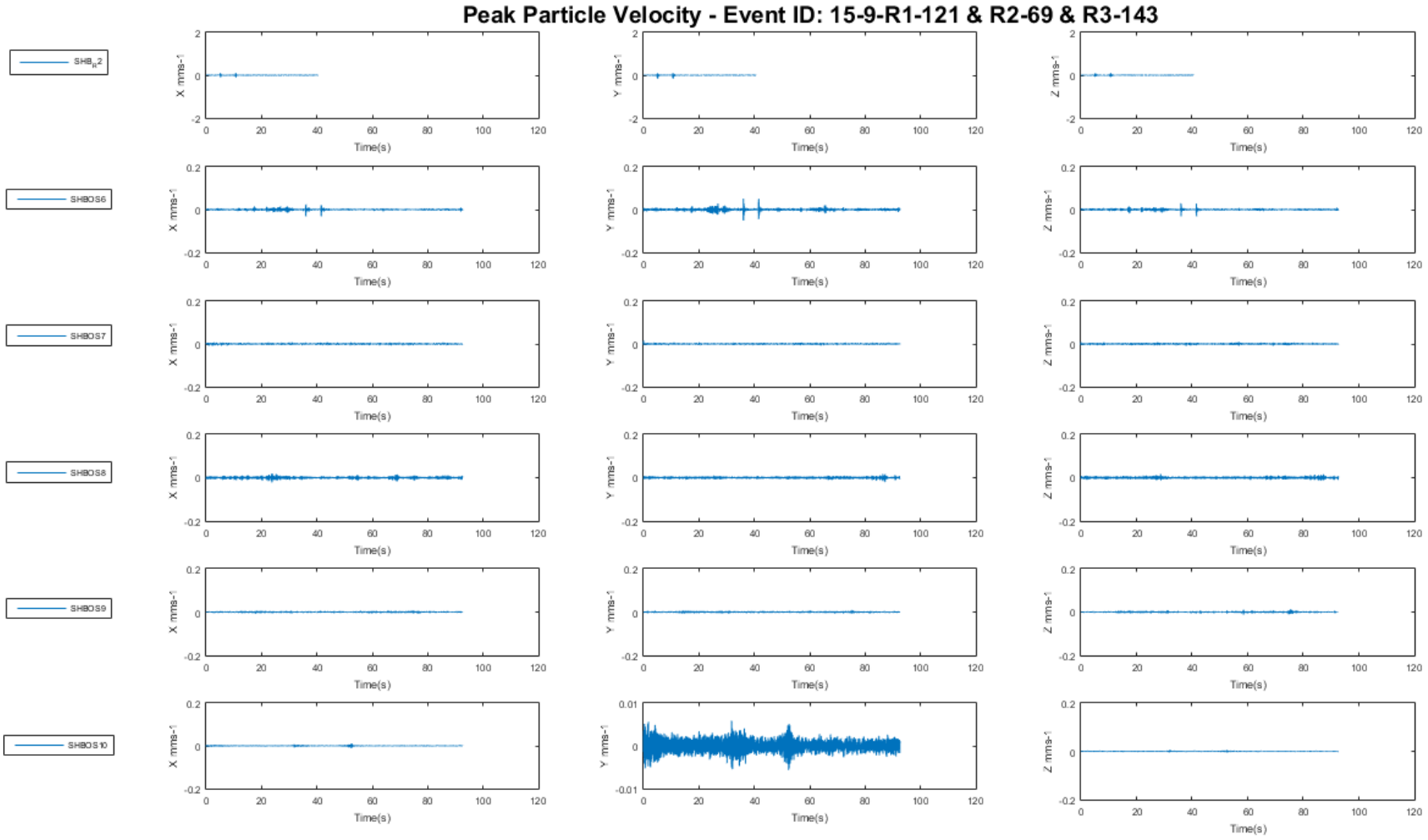


FIGURE 3.587: SHB_OS 6 - 10 15-9-R1-121 & R2-69 & R3-143

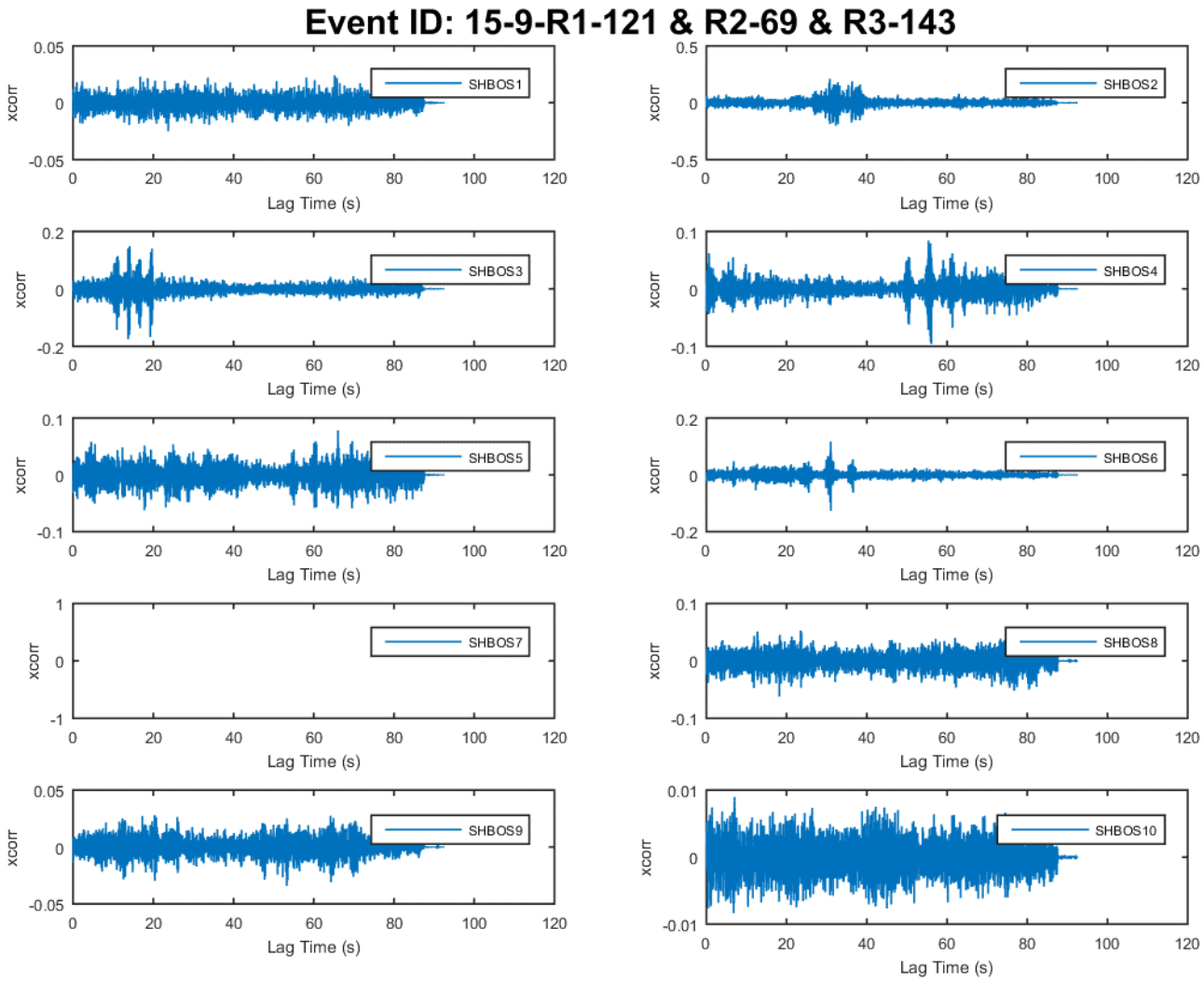


FIGURE 3.588: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-121 & R2-69 & R3-143

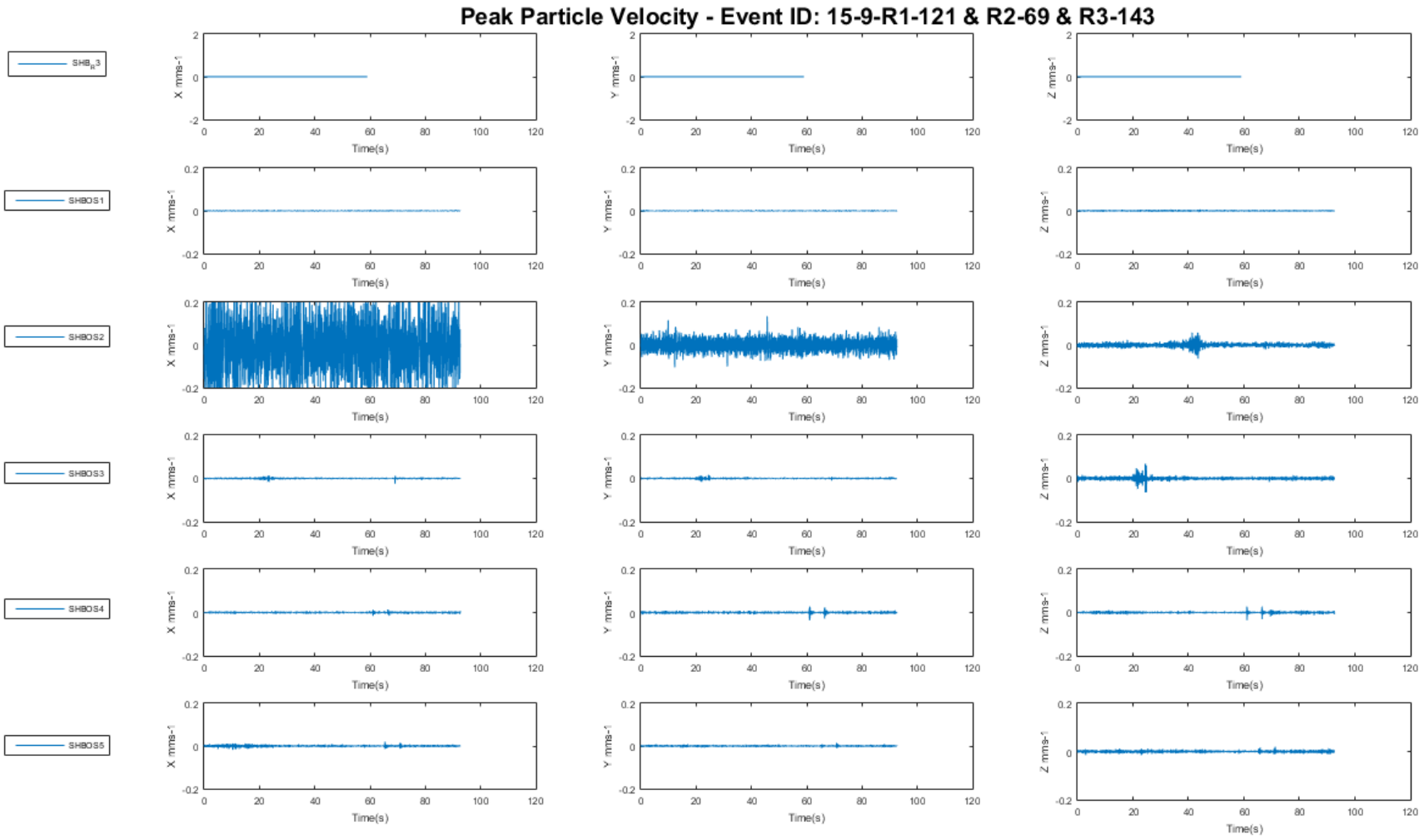


FIGURE 3.589: SHB_OS 1 - 5 15-9-R1-121 & R2-69 & R3-143

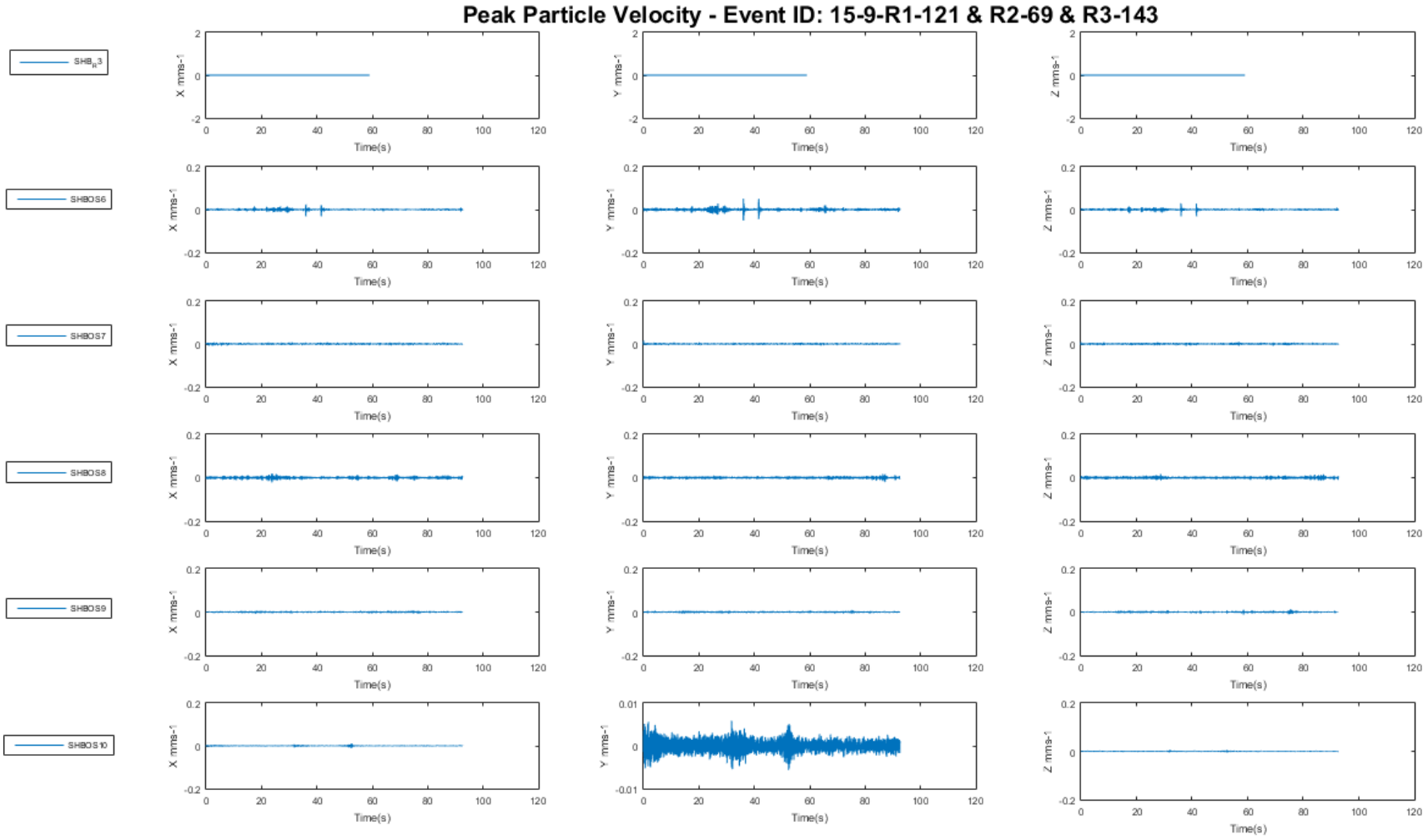


FIGURE 3.590: SHB_OS 6 - 10 15-9-R1-121 & R2-69 & R3-143

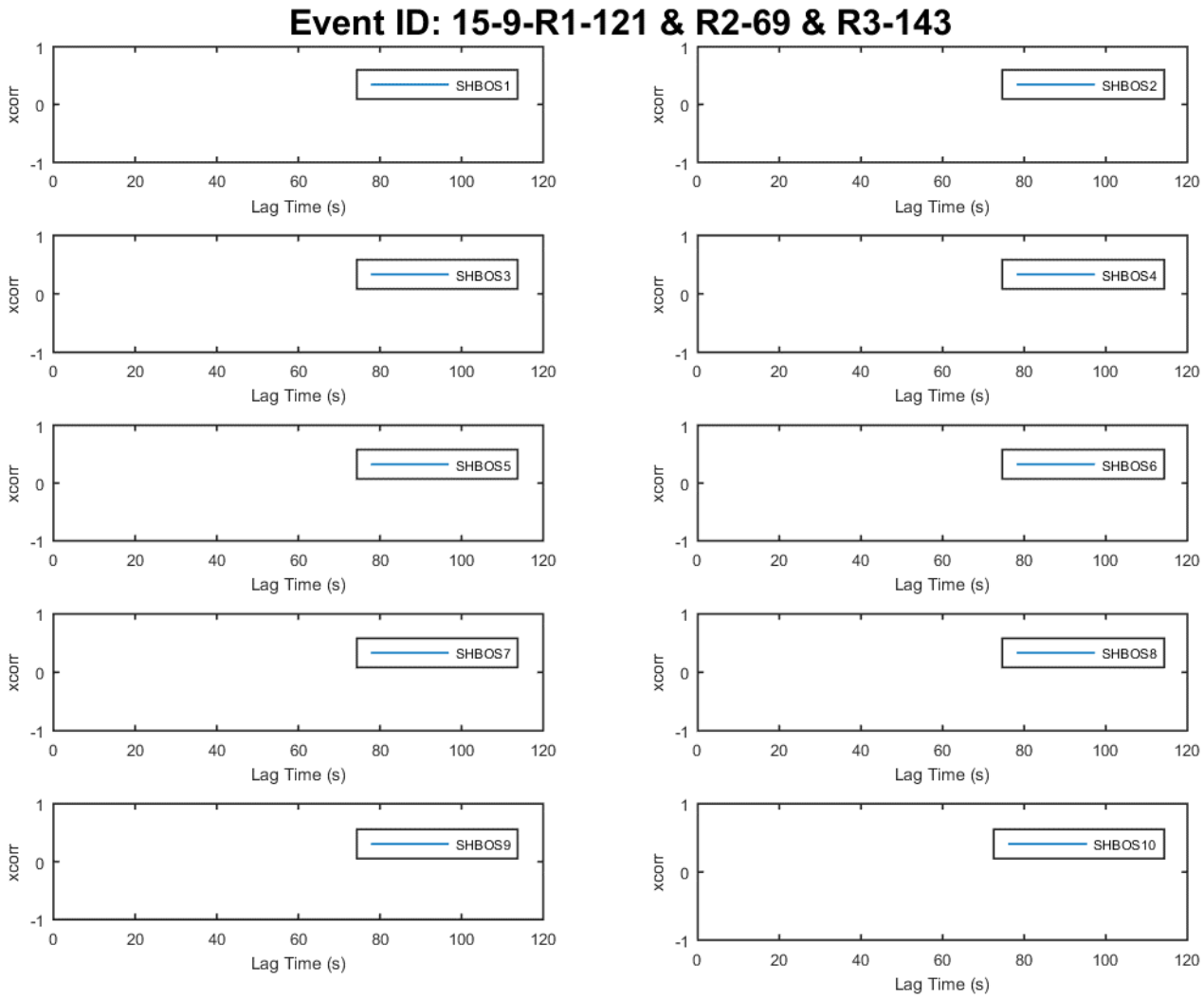


FIGURE 3.591: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-121 & R2-69 & R3-143

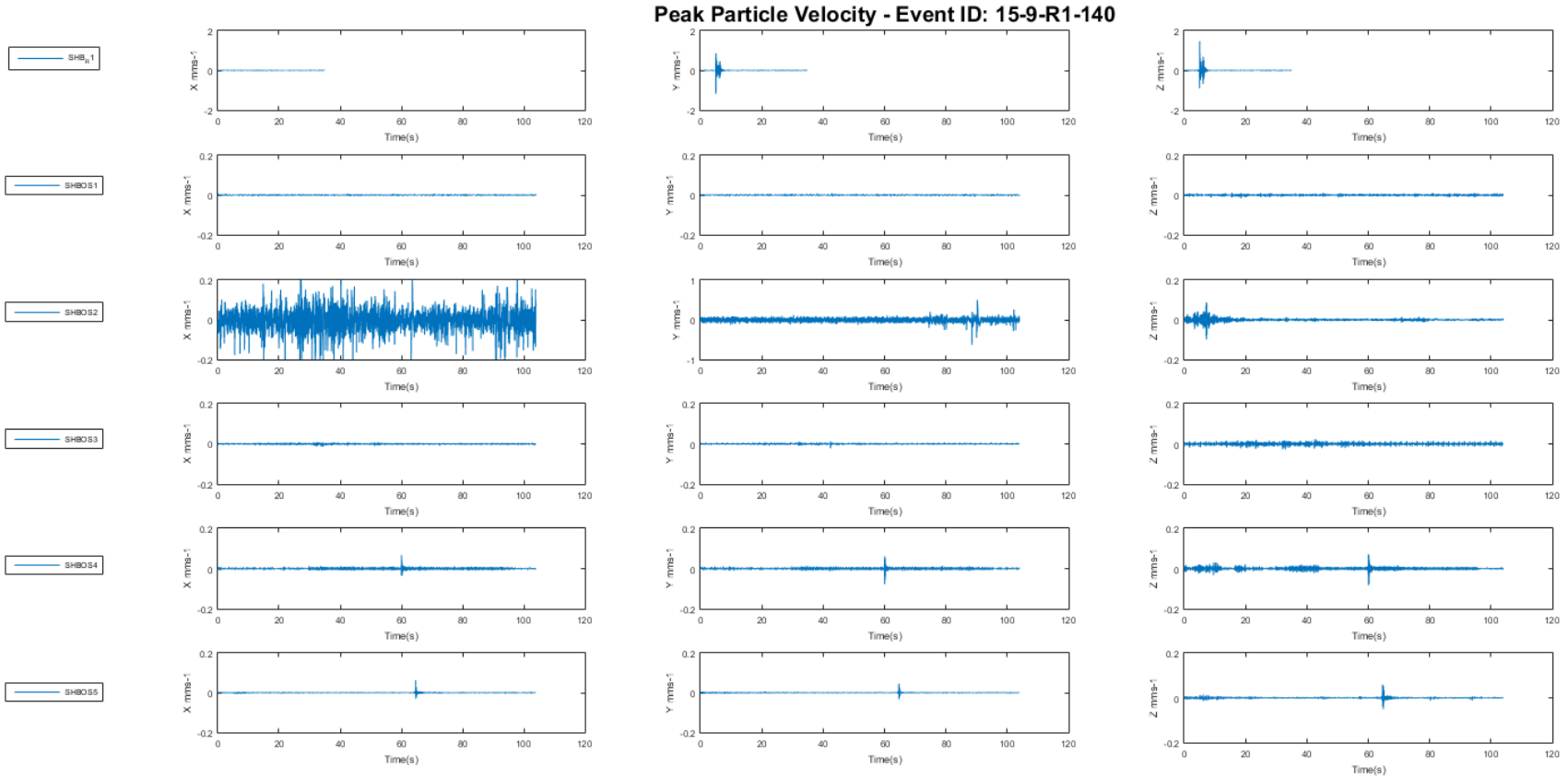


FIGURE 3.592: SHB_OS 1 - 5 15-9-R1-140

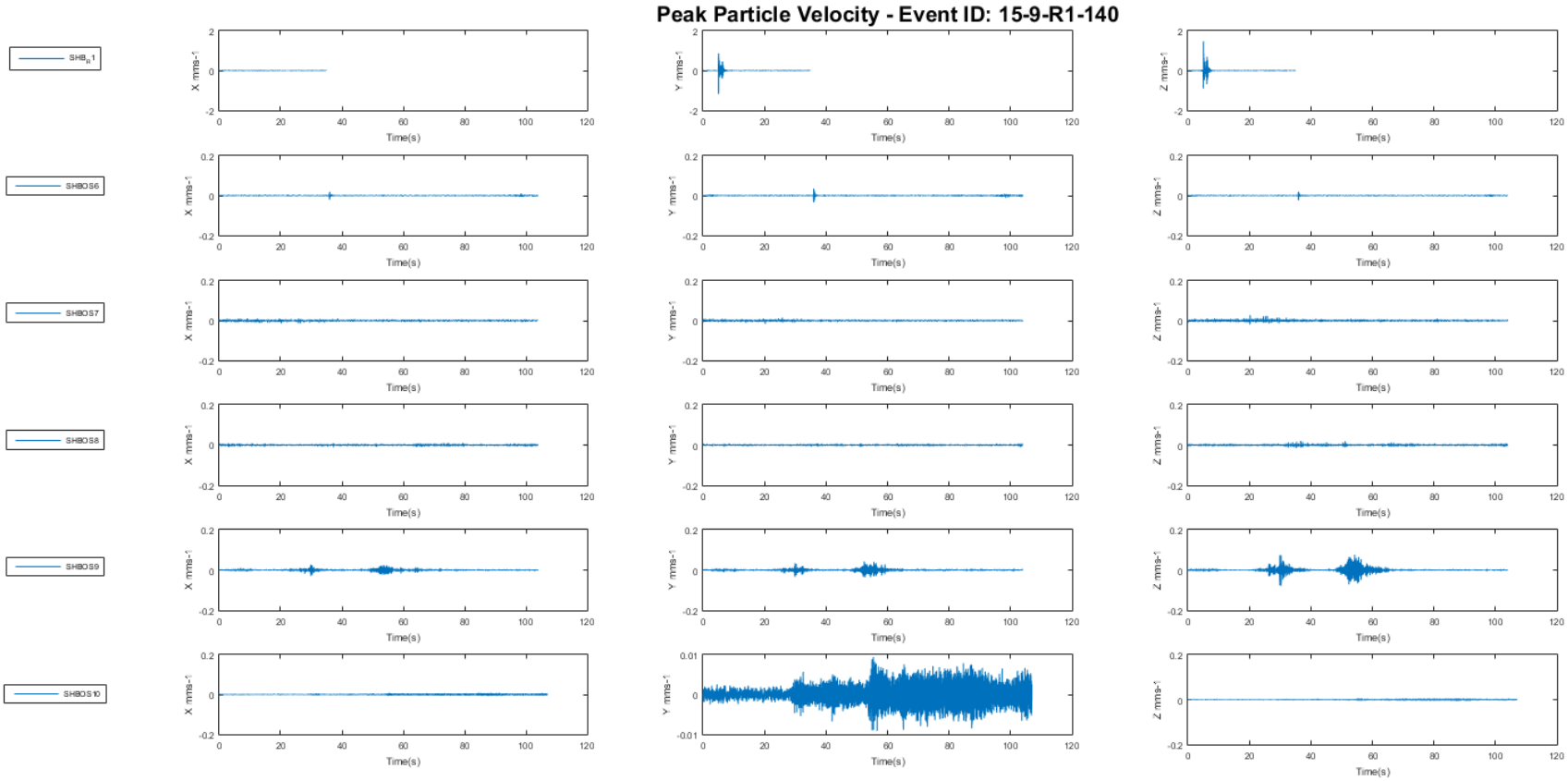


FIGURE 3.593: SHB_OS 6 - 10 15-9-R1-140

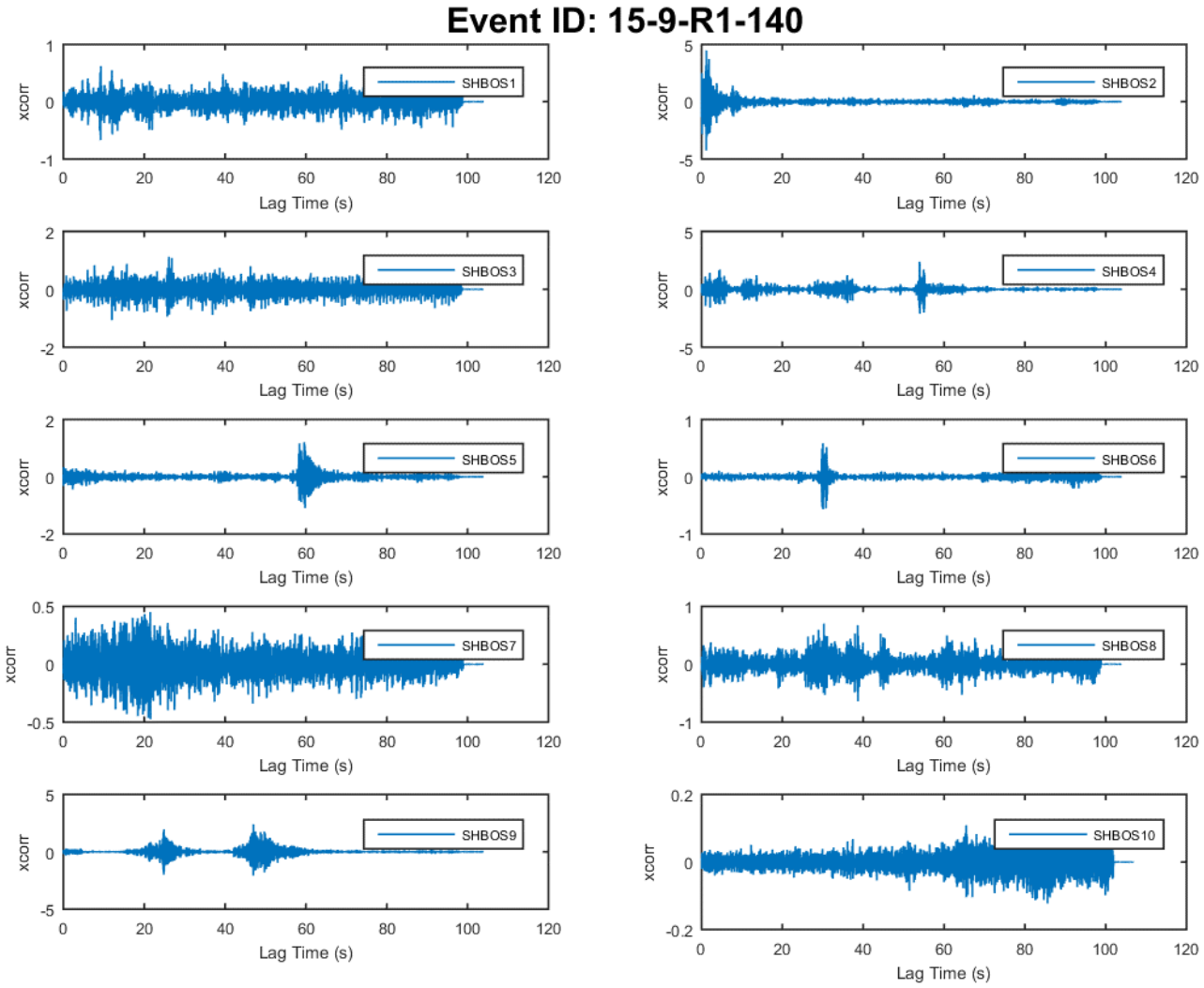


FIGURE 3.594: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-140

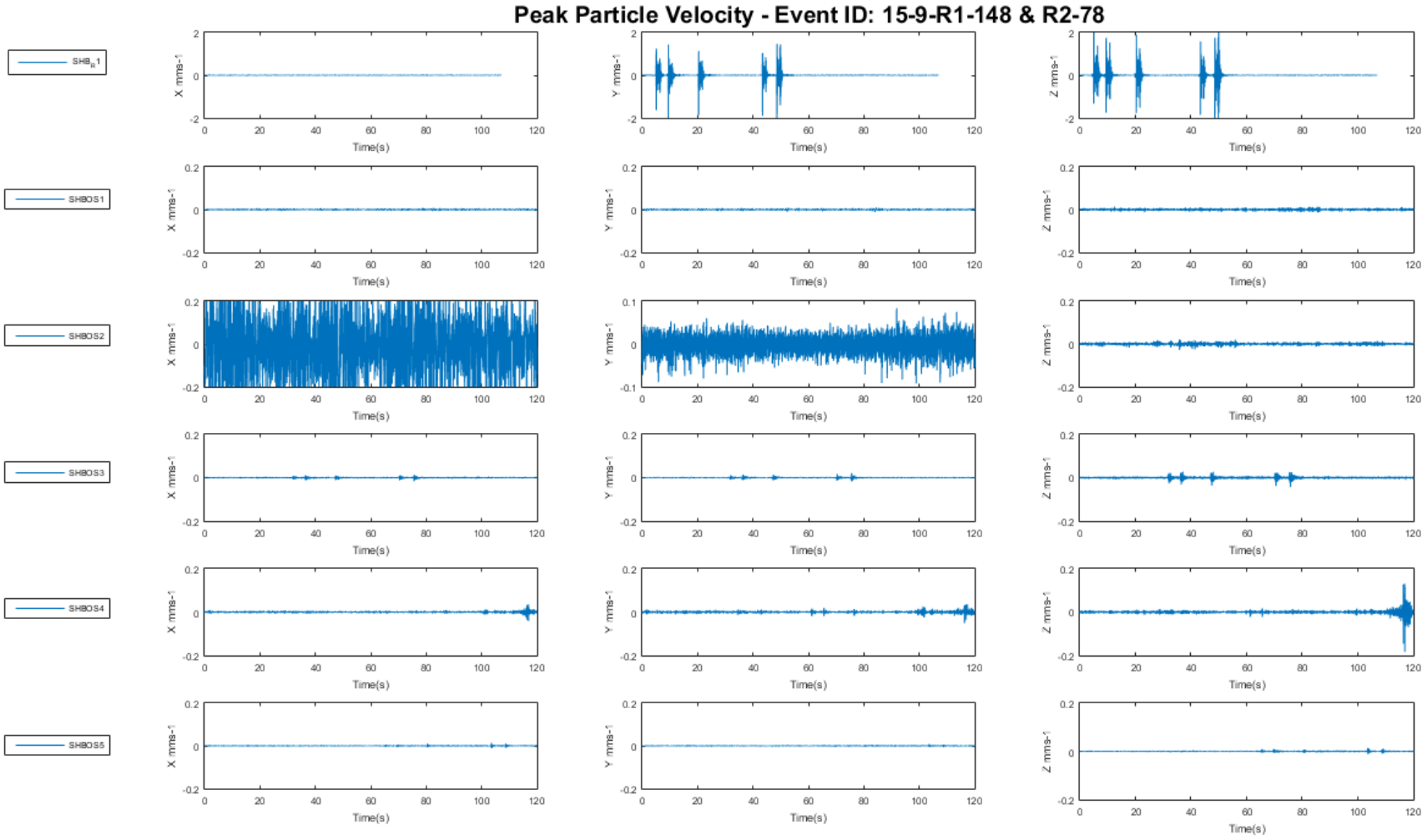


FIGURE 3.595: SHB_OS 1 - 5 15-9-R1-148 & R2-78

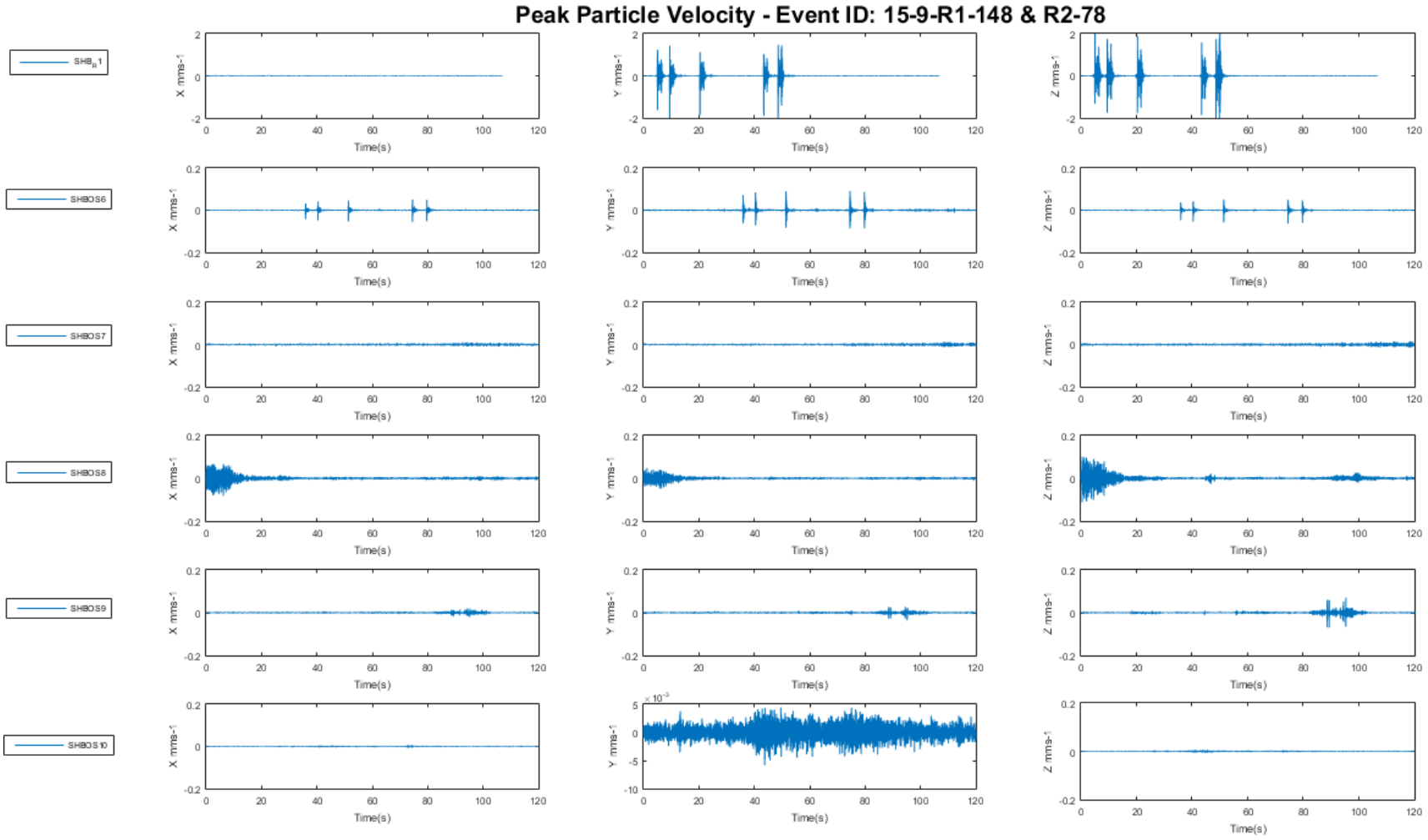


FIGURE 3.596: SHB_OS 6 - 10 15-9-R1-148 & R2-78

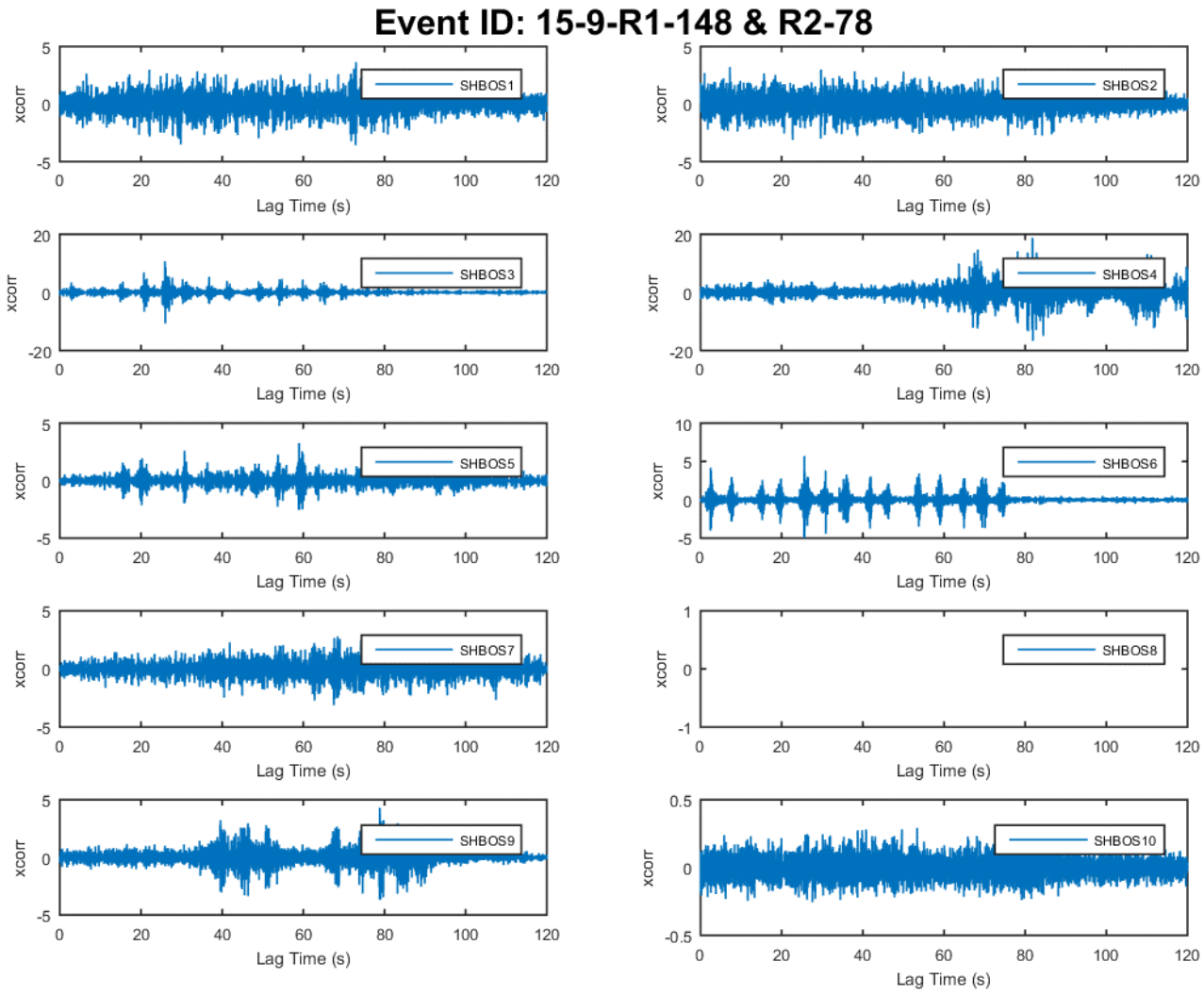


FIGURE 3.597: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-148 & R2-78

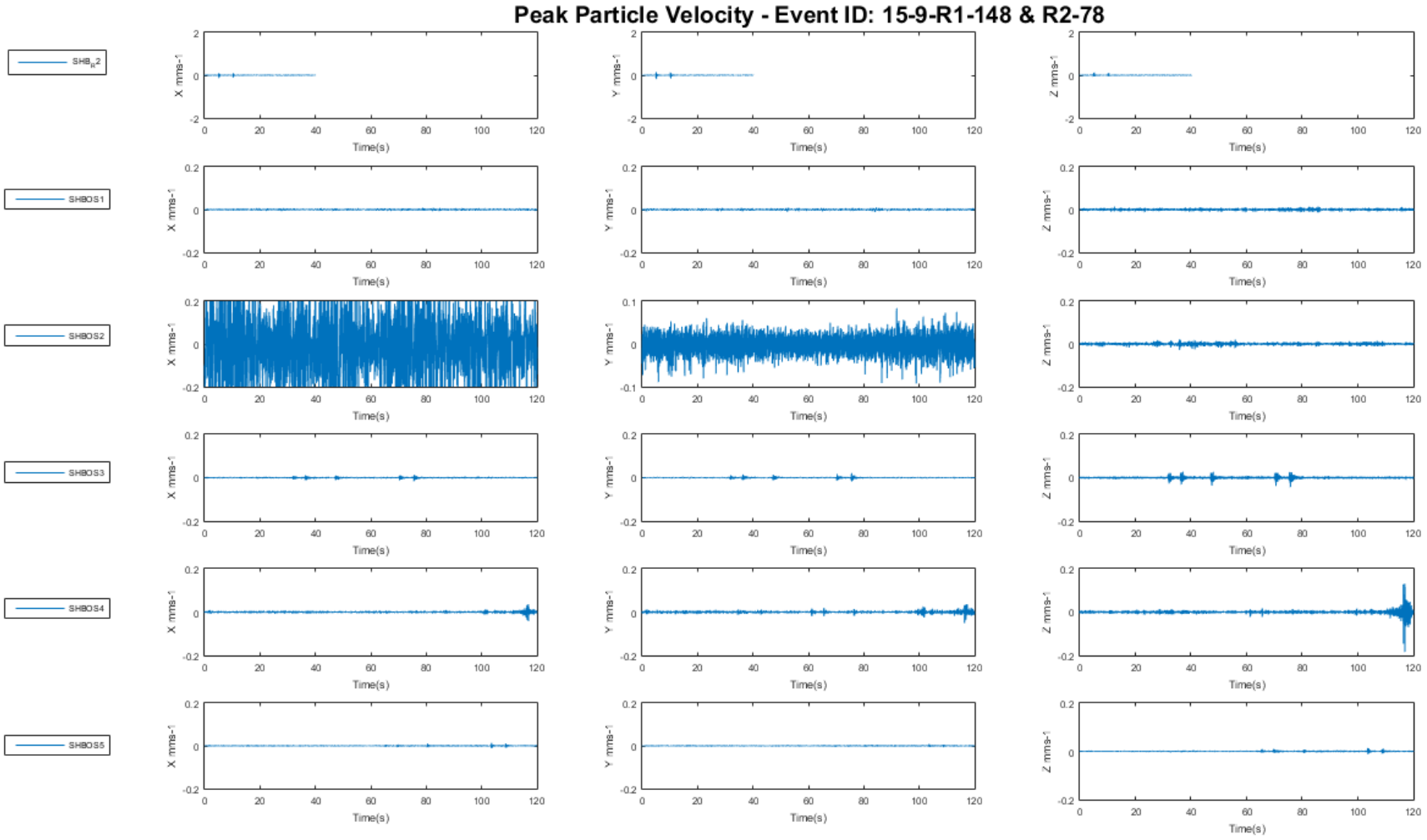


FIGURE 3.598: SHB_OS 1 - 5 15-9-R1-148 & R2-78

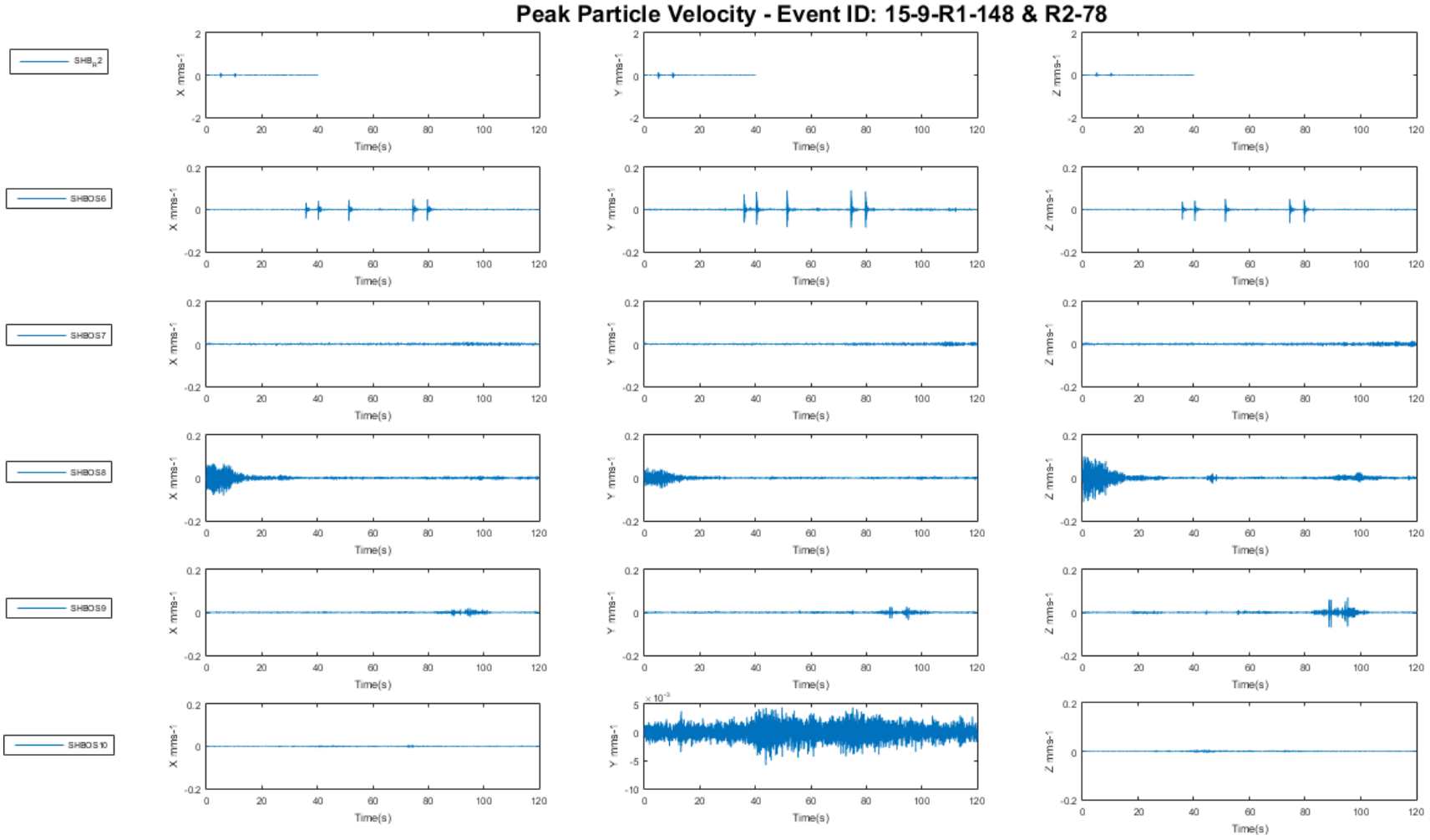


FIGURE 3.599: SHB_OS 6 - 10 15-9-R1-148 & R2-78

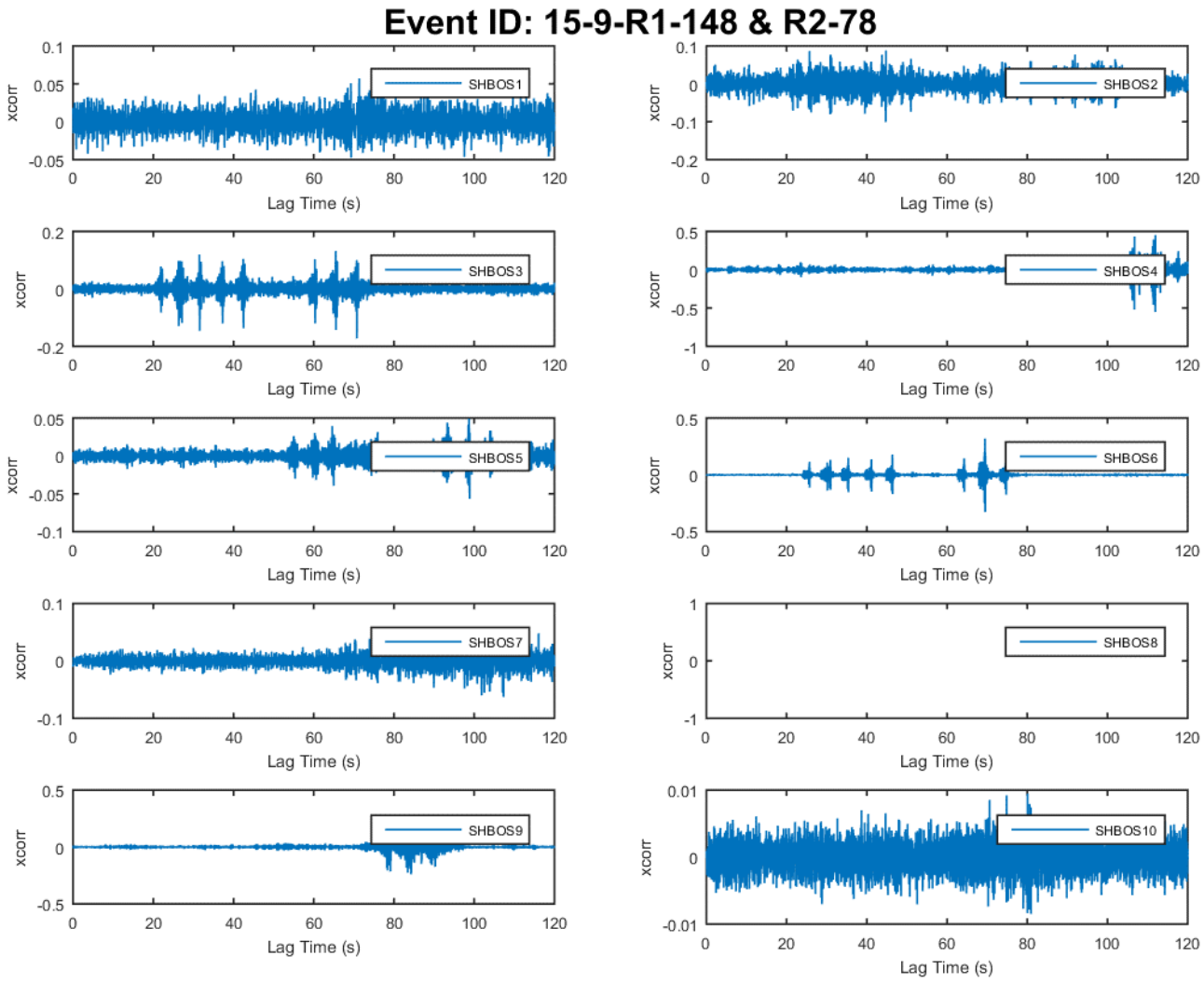


FIGURE 3.600: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-148 & R2-78

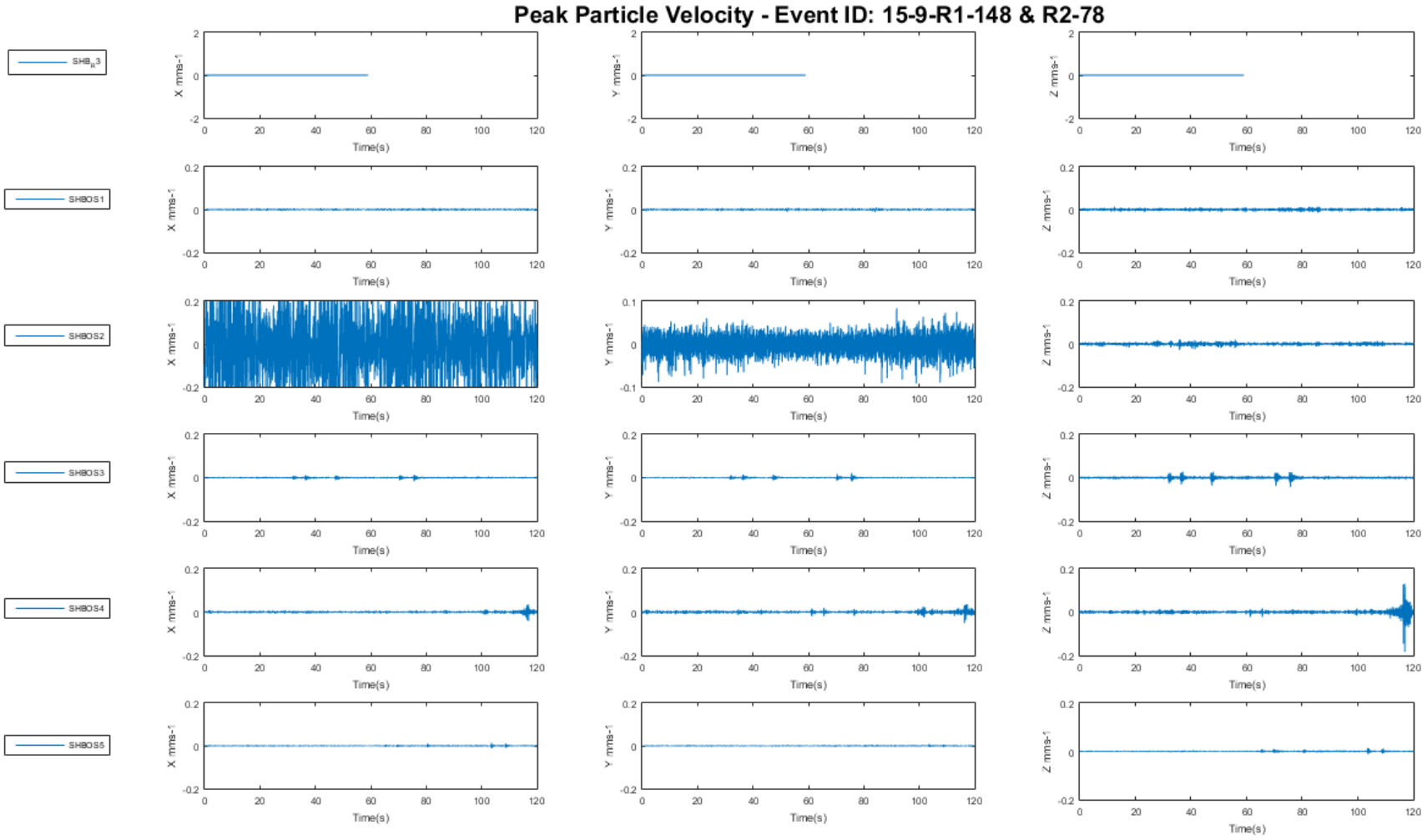


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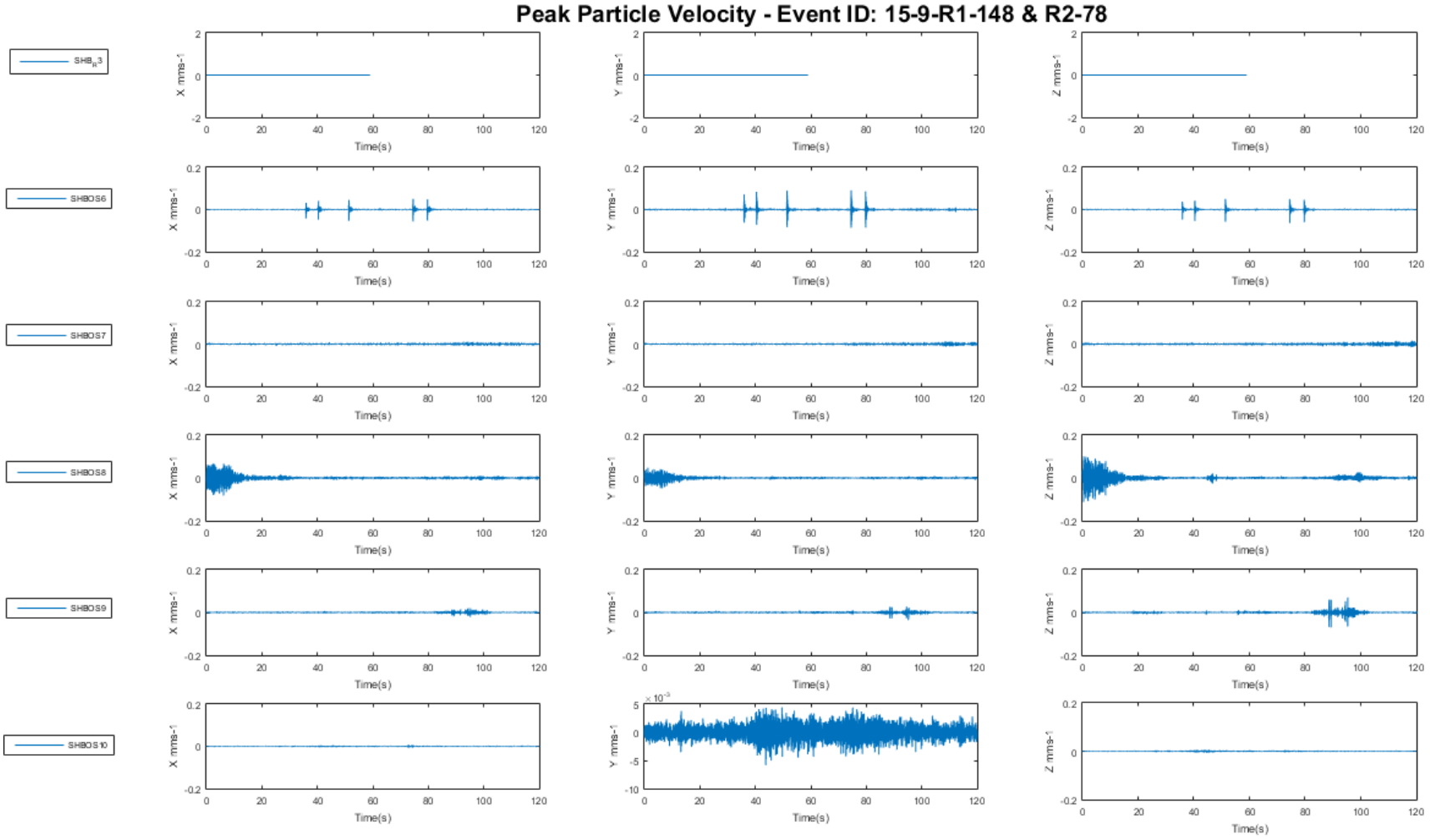


FIGURE 3.602: SHB_OS 6 - 10 15-9-R1-148 & R2-78

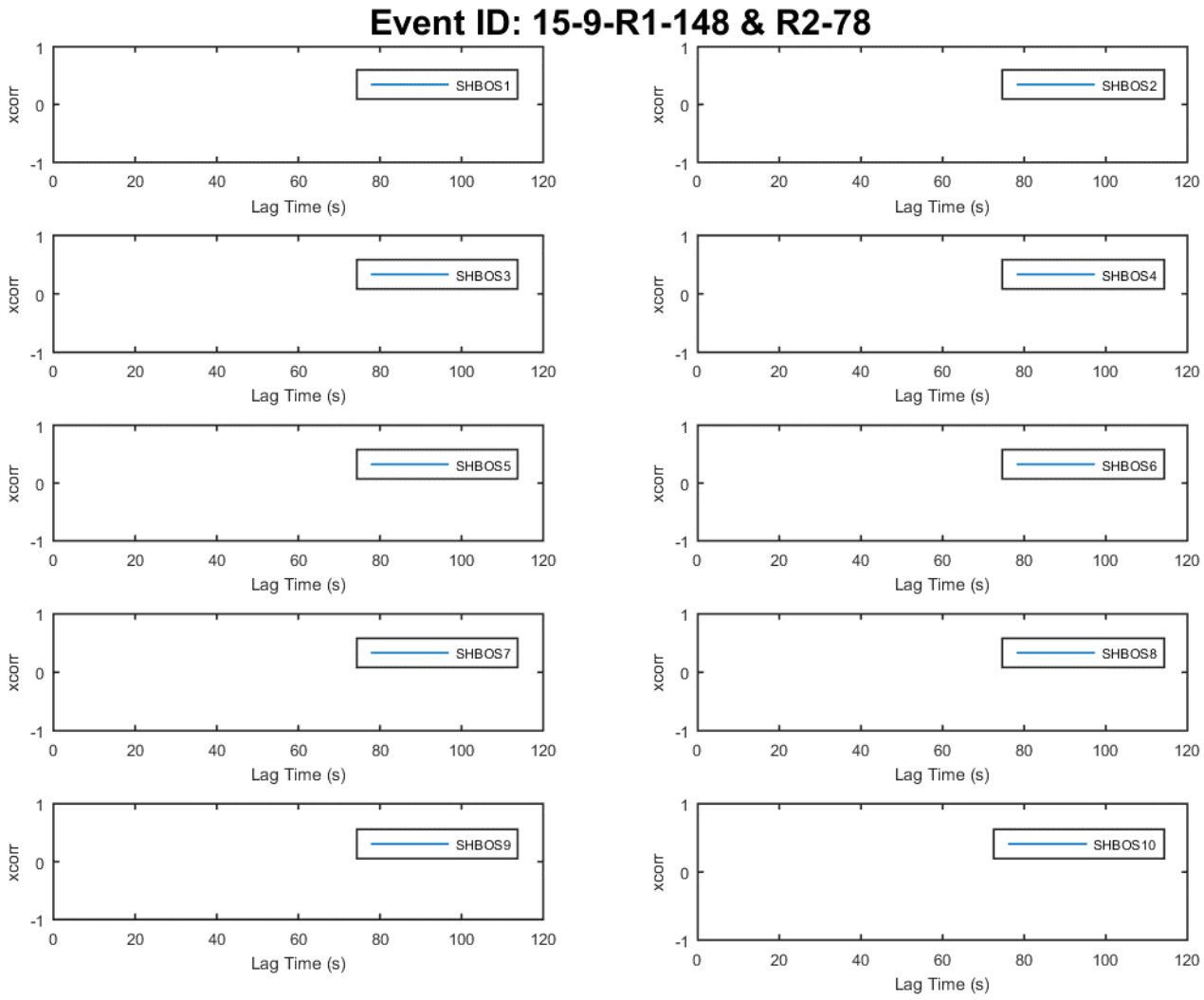


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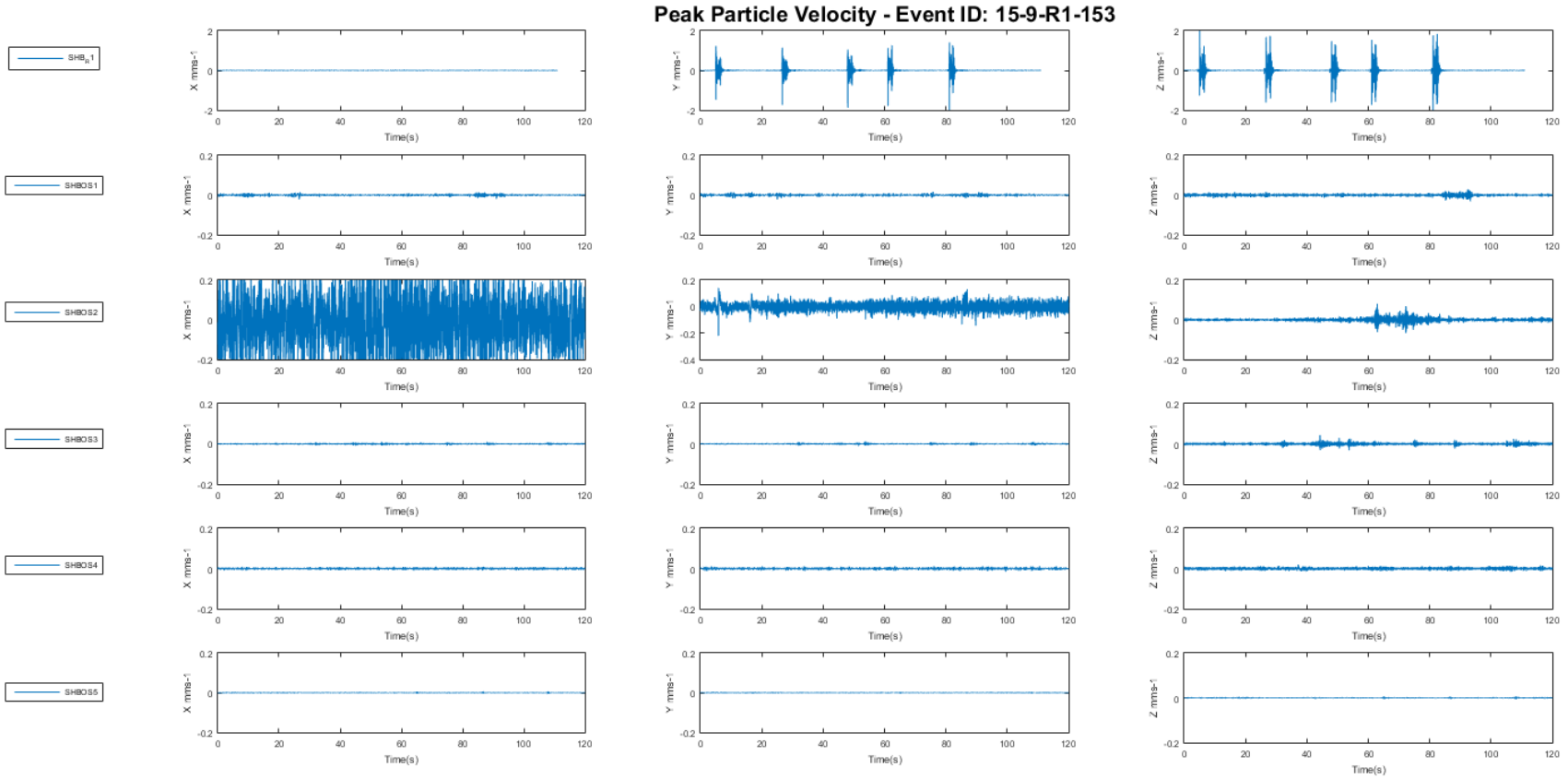


FIGURE 3.604: SHB_OS 1 - 5 15-9-R1-153

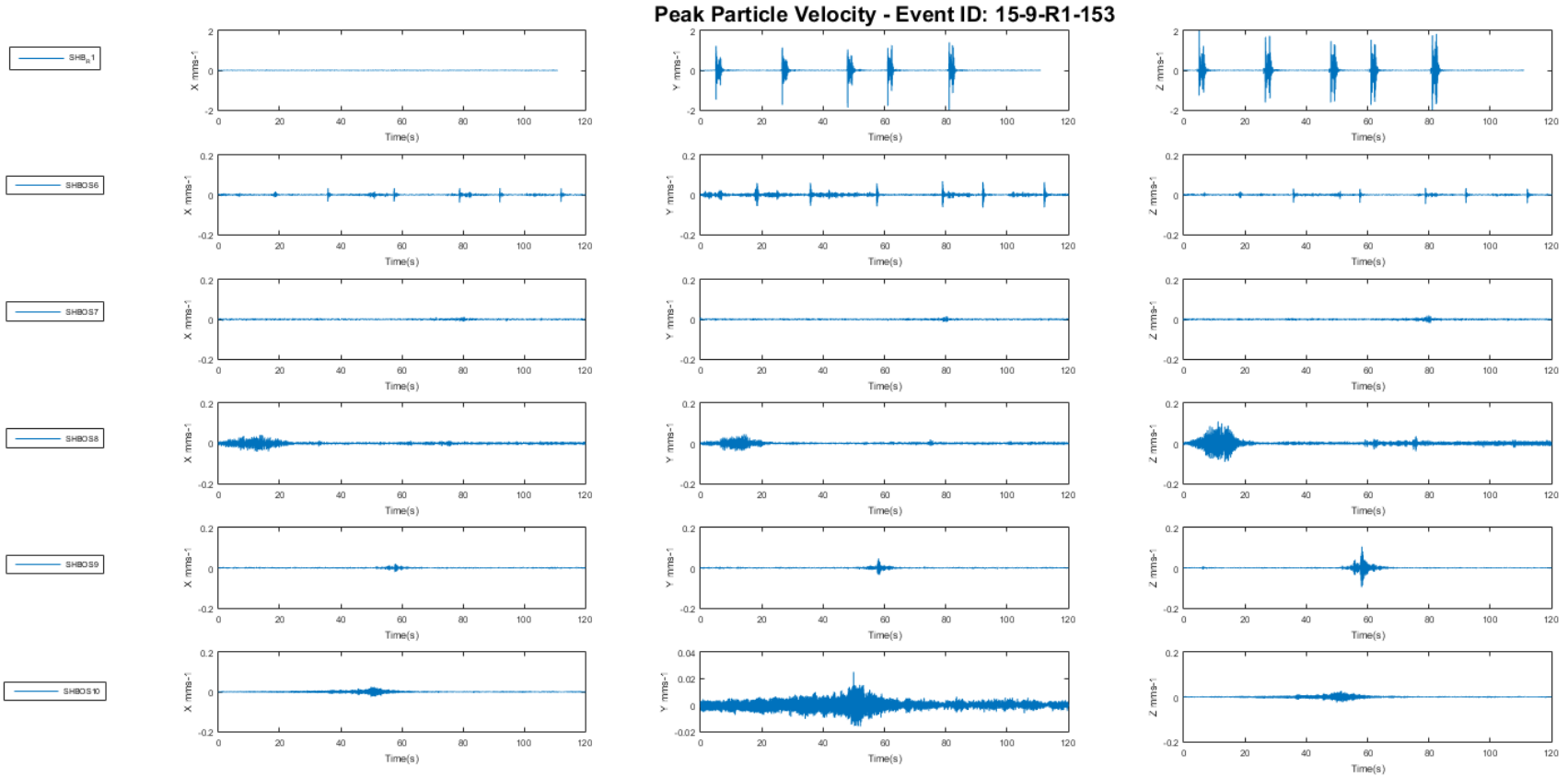


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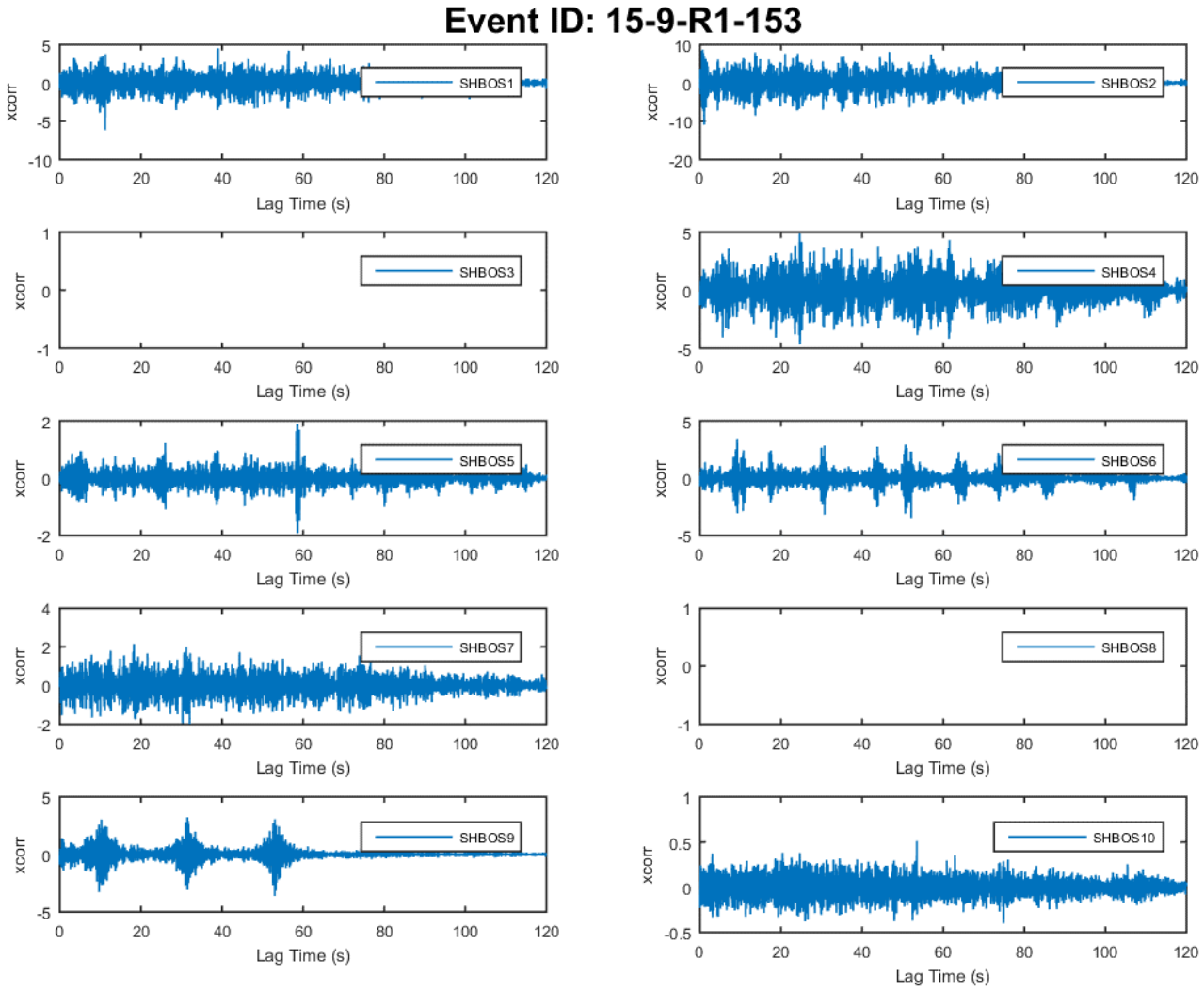


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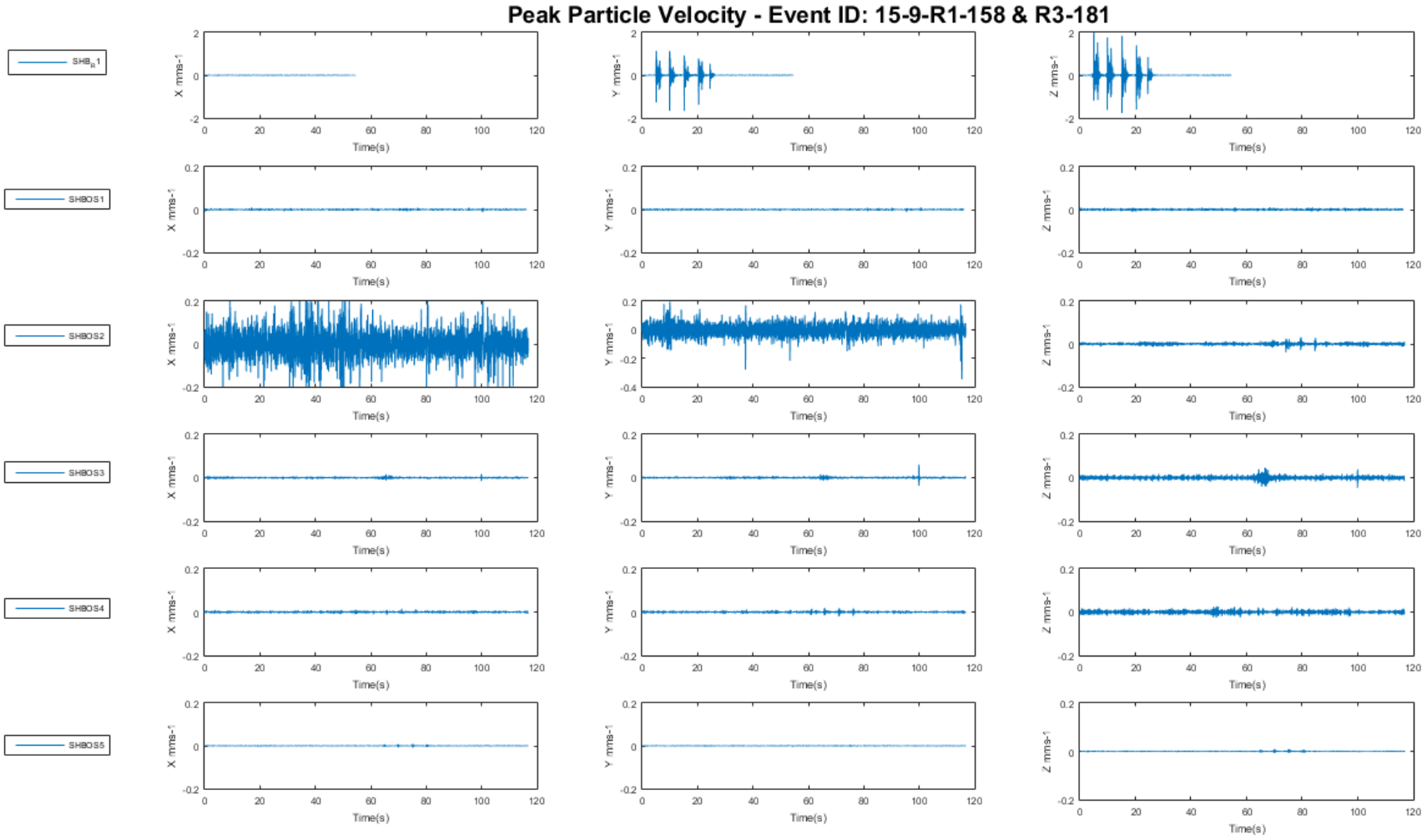


FIGURE 3.607: SHB_OS 1 - 5 15-9-R1-158 & R3-181

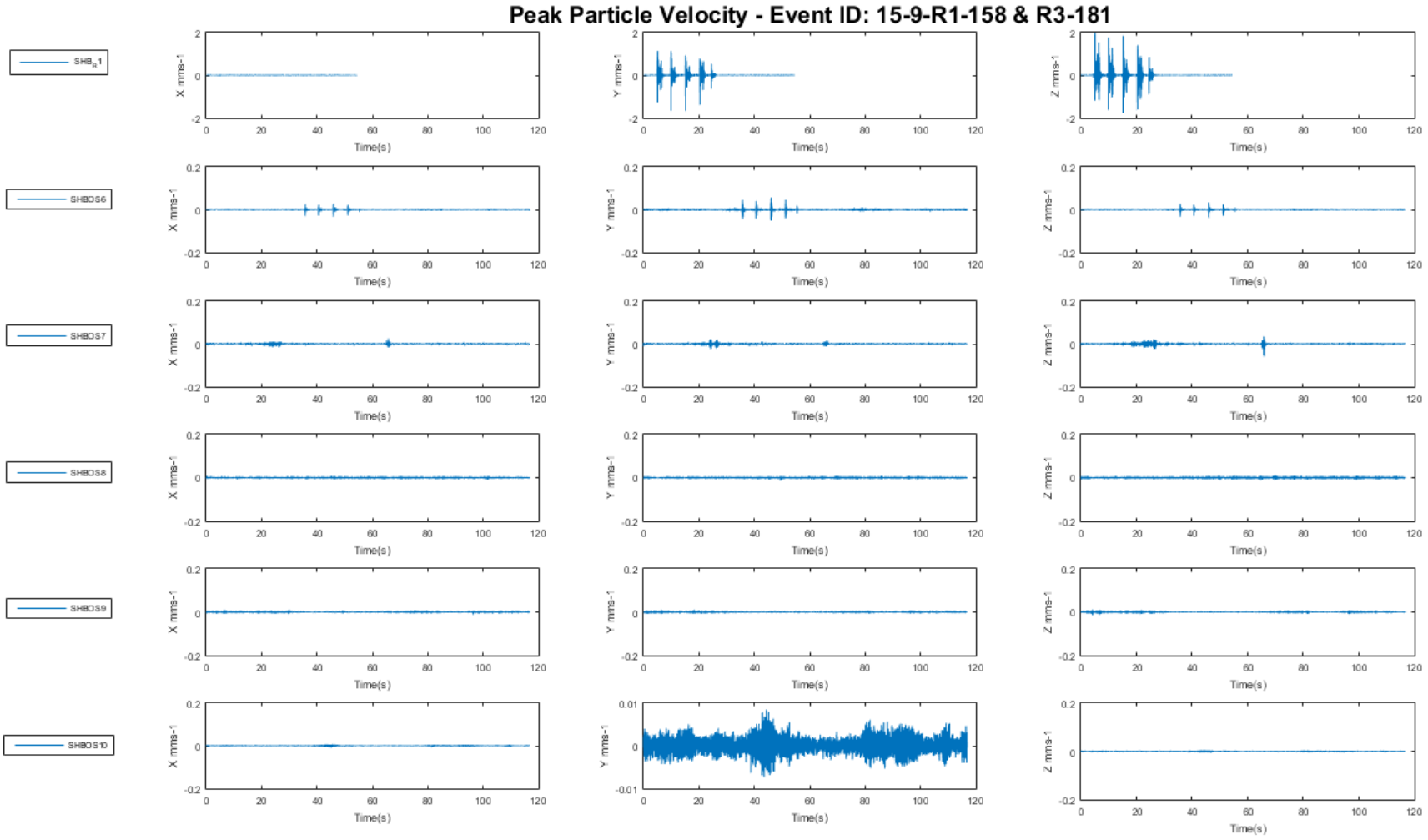


FIGURE 3.608: SHB_OS 6 - 10 15-9-R1-158 & R3-181

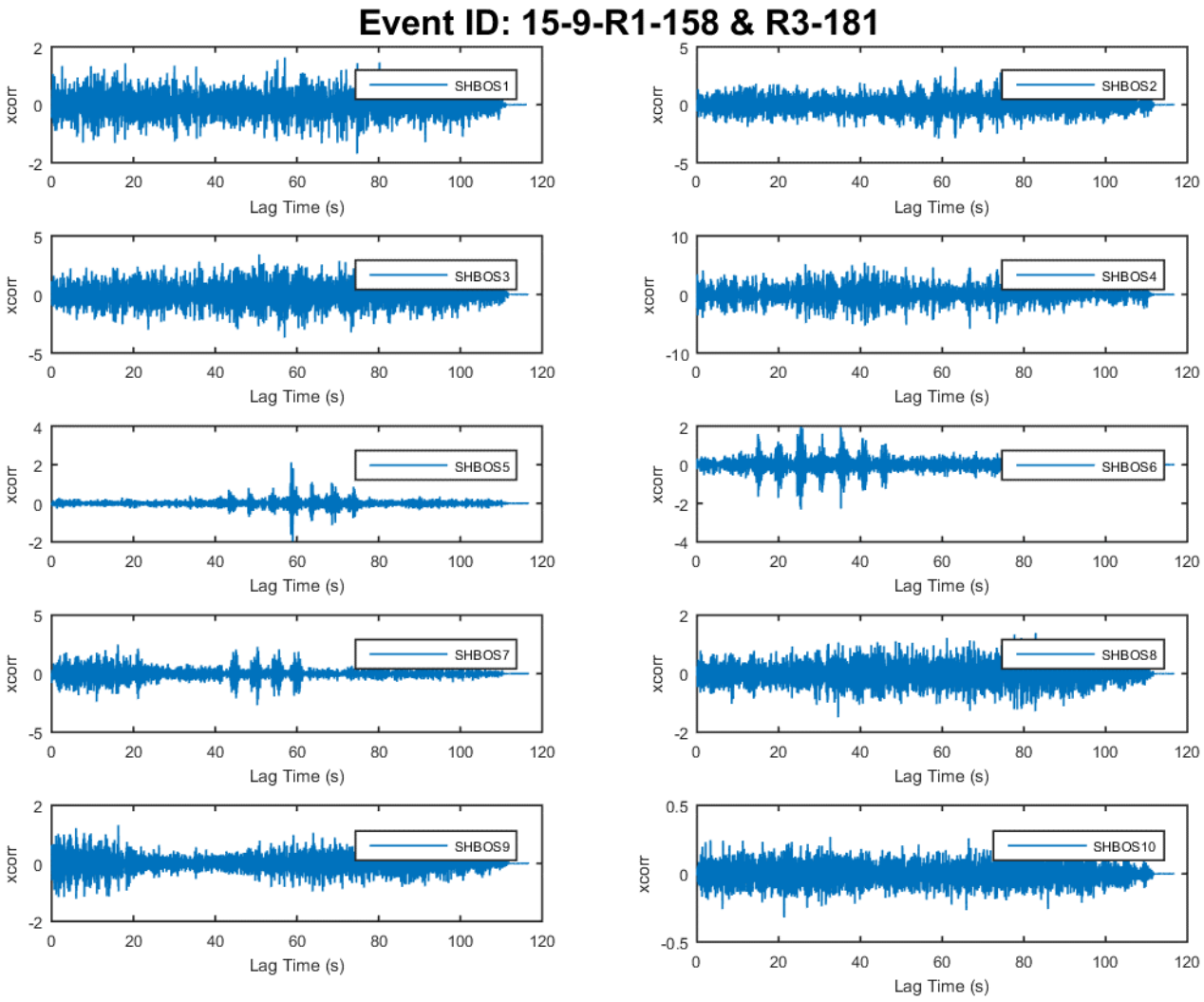


FIGURE 3.609: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-158 & R3-181

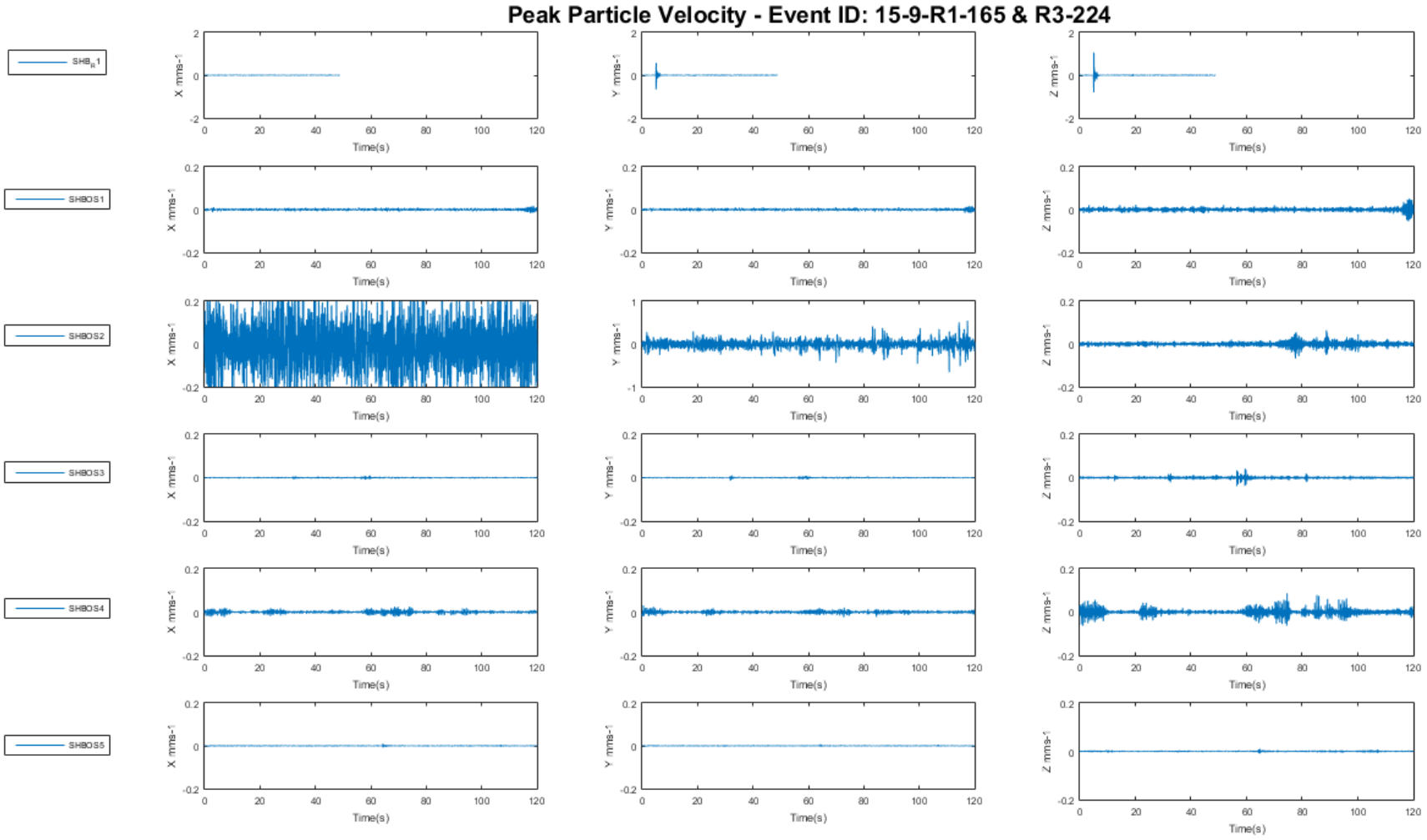


FIGURE 3.610: SHB_OS 1 - 5 15-9-R1-165 & R3-224

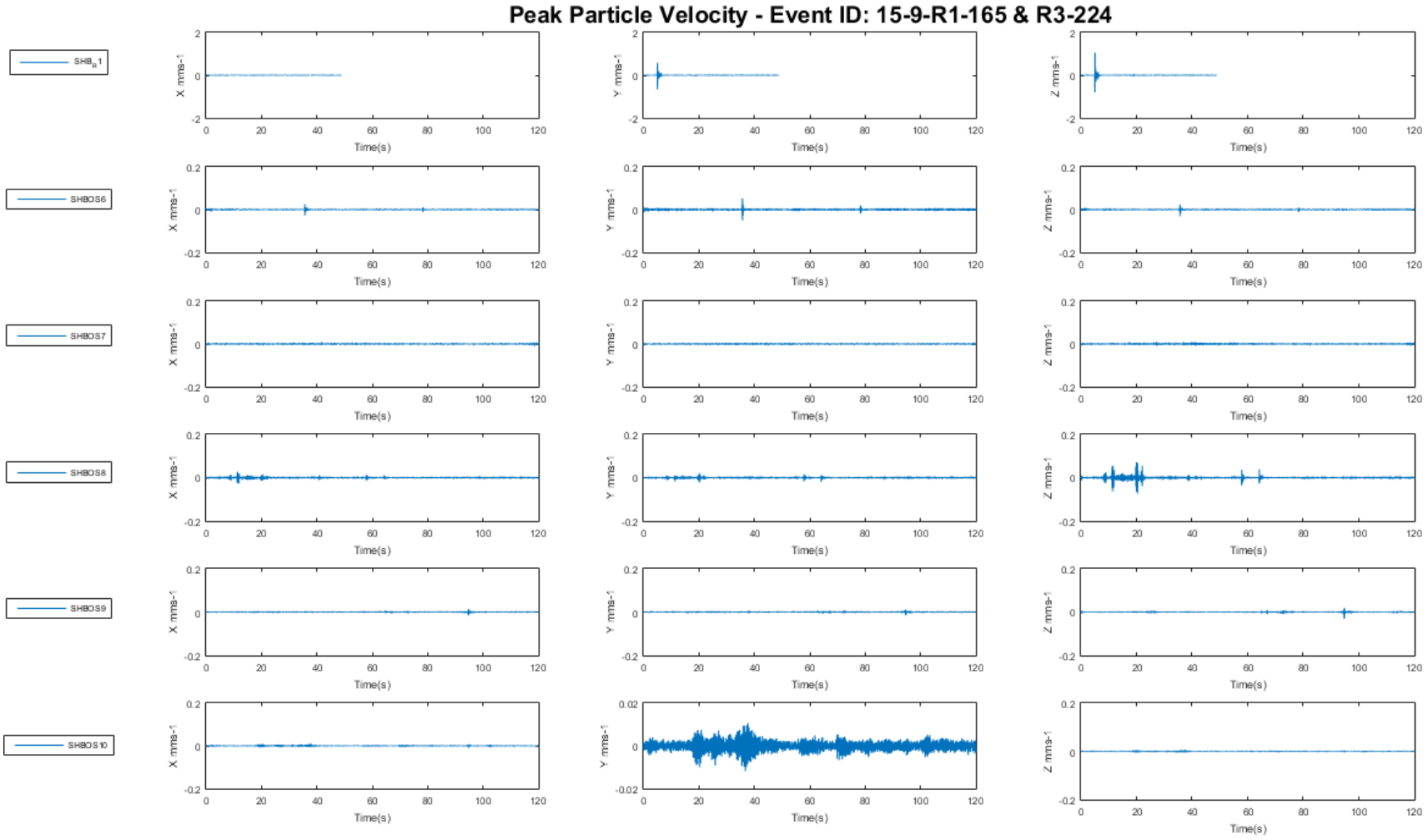


FIGURE 3.611: SHB_OS 6 - 10 15-9-R1-165 & R3-224

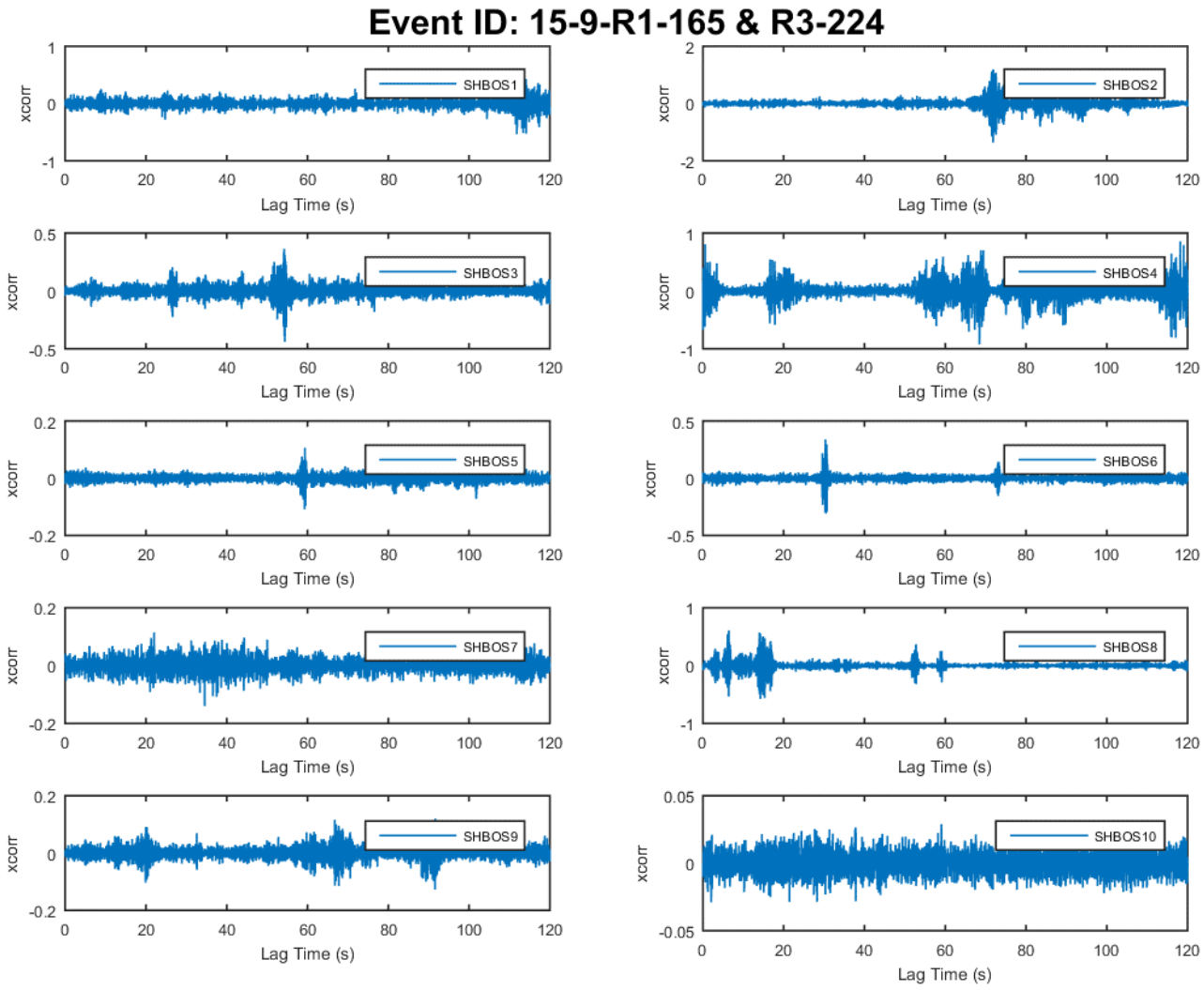


FIGURE 3.612: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-165 & R3-224

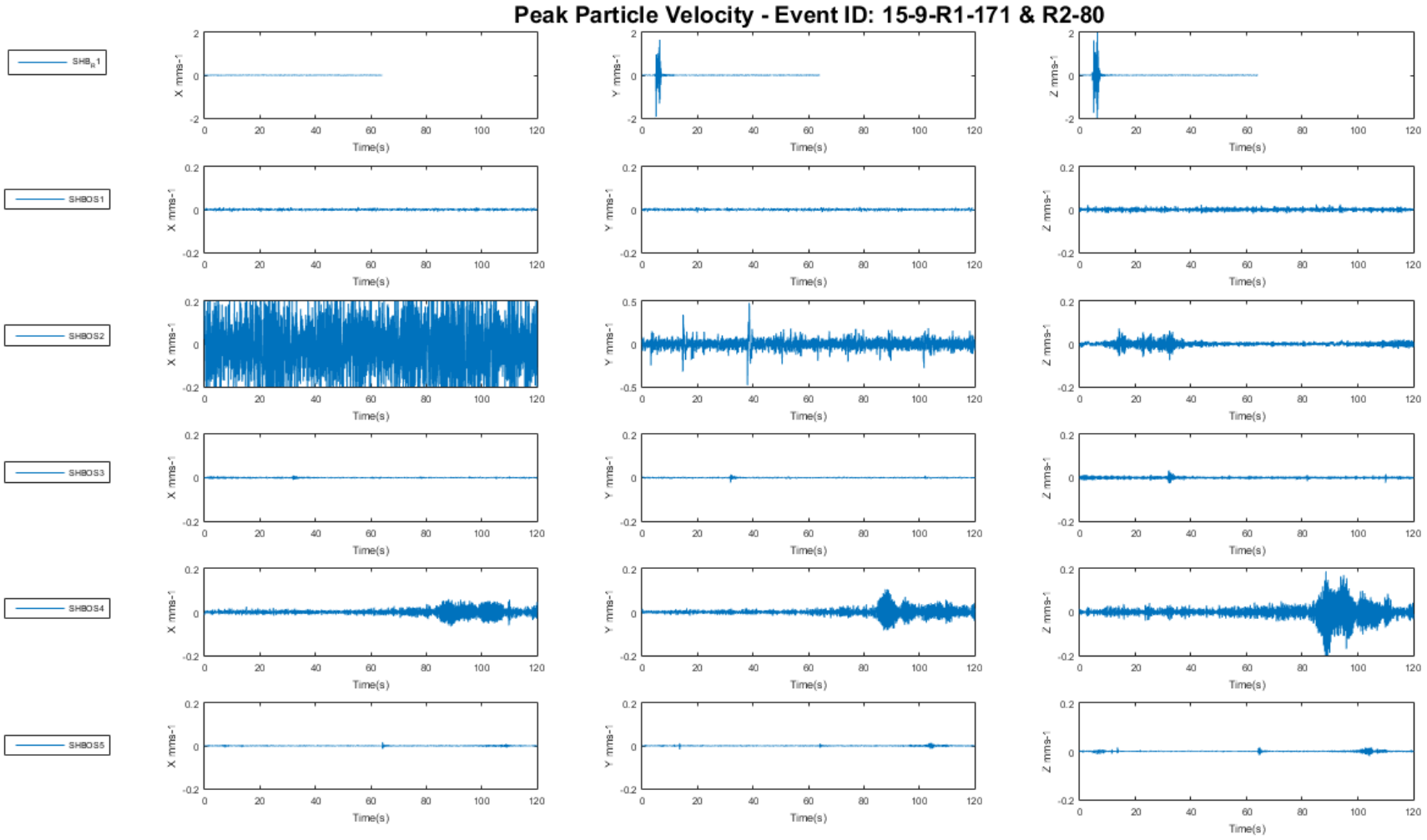


FIGURE 3.613: SHB_OS 1 - 5 15-9-R1-171 & R2-80

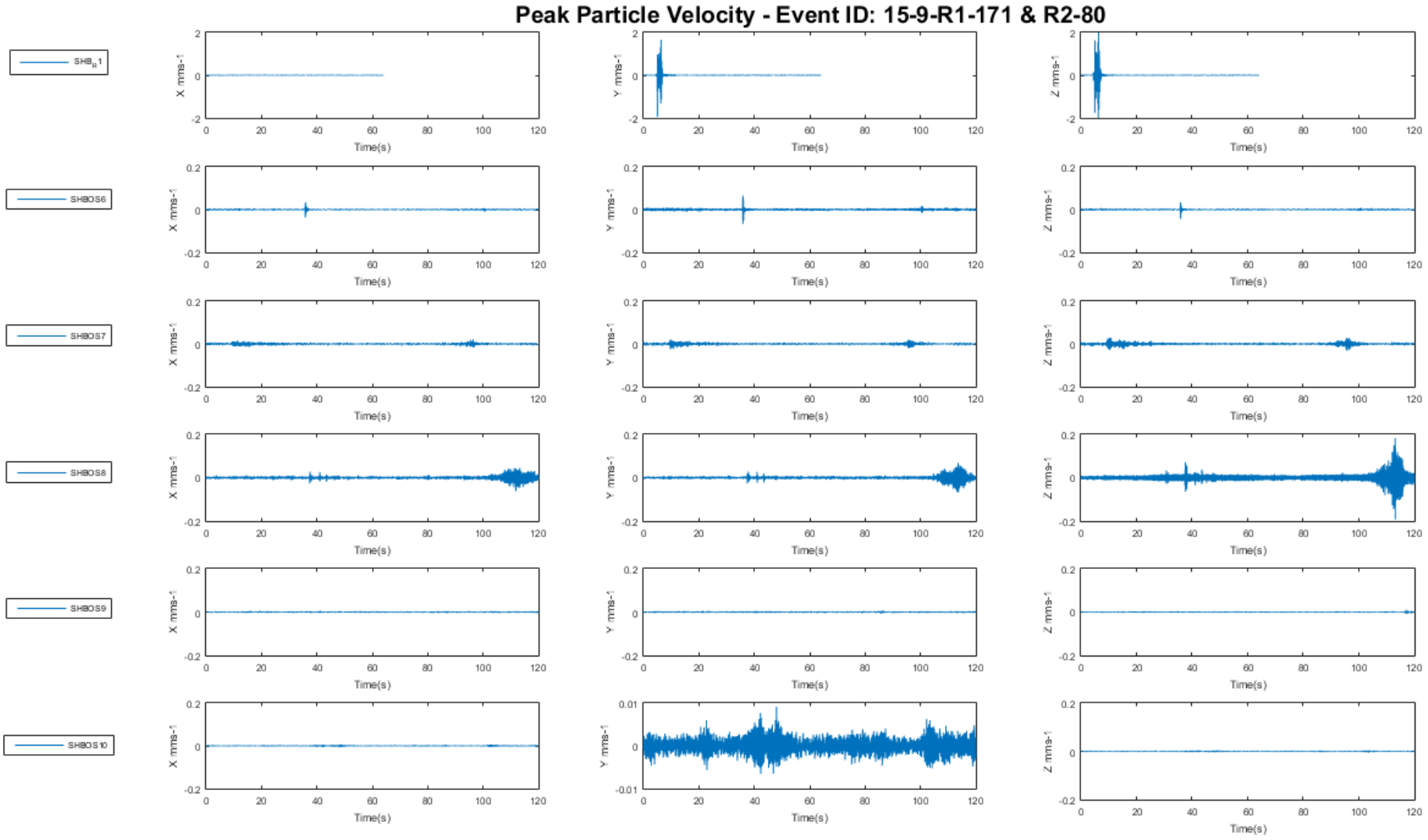


FIGURE 3.614: SHB_OS 6 - 10 15-9-R1-171 & R2-80

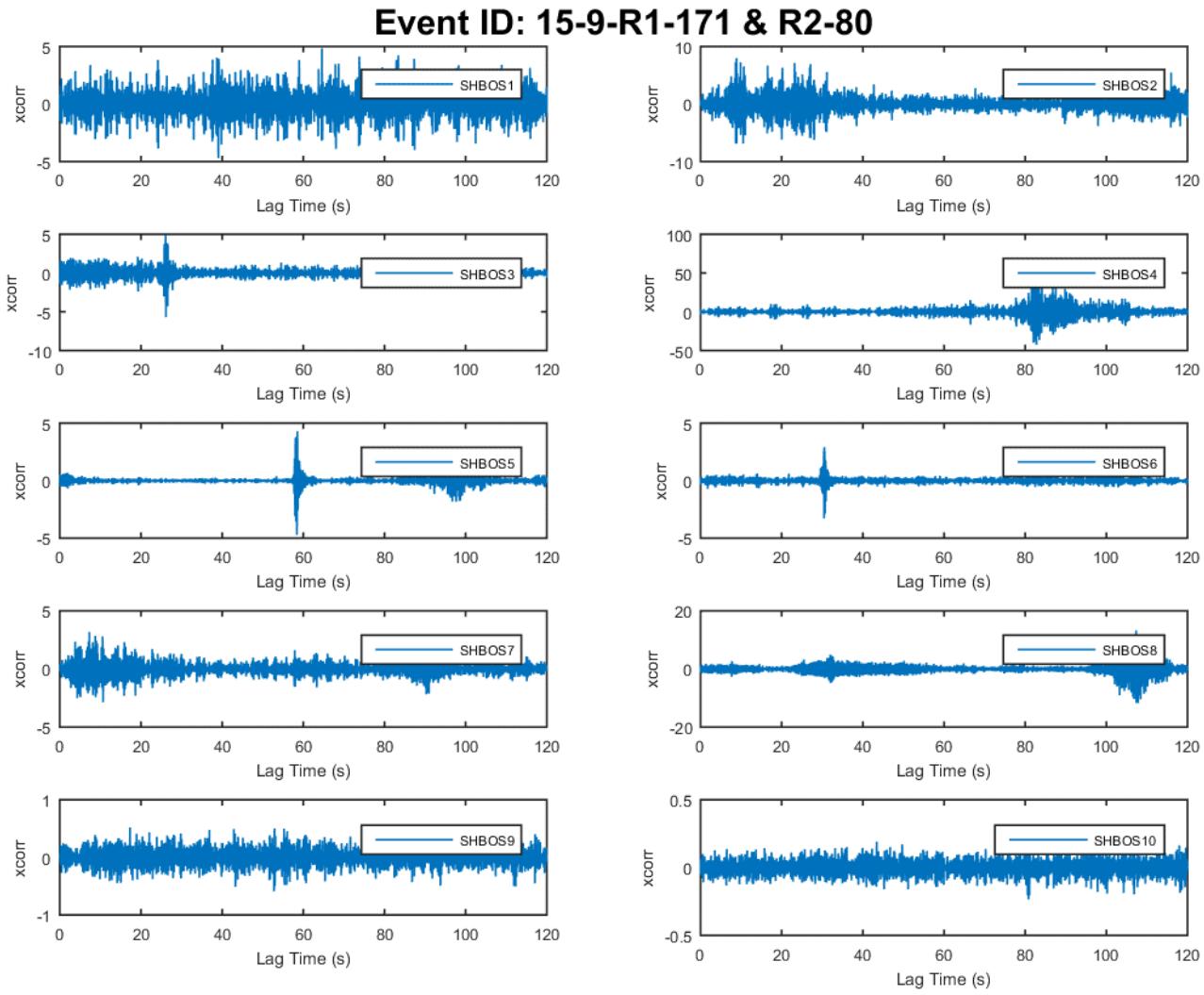


FIGURE 3.615: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-171 & R2-80

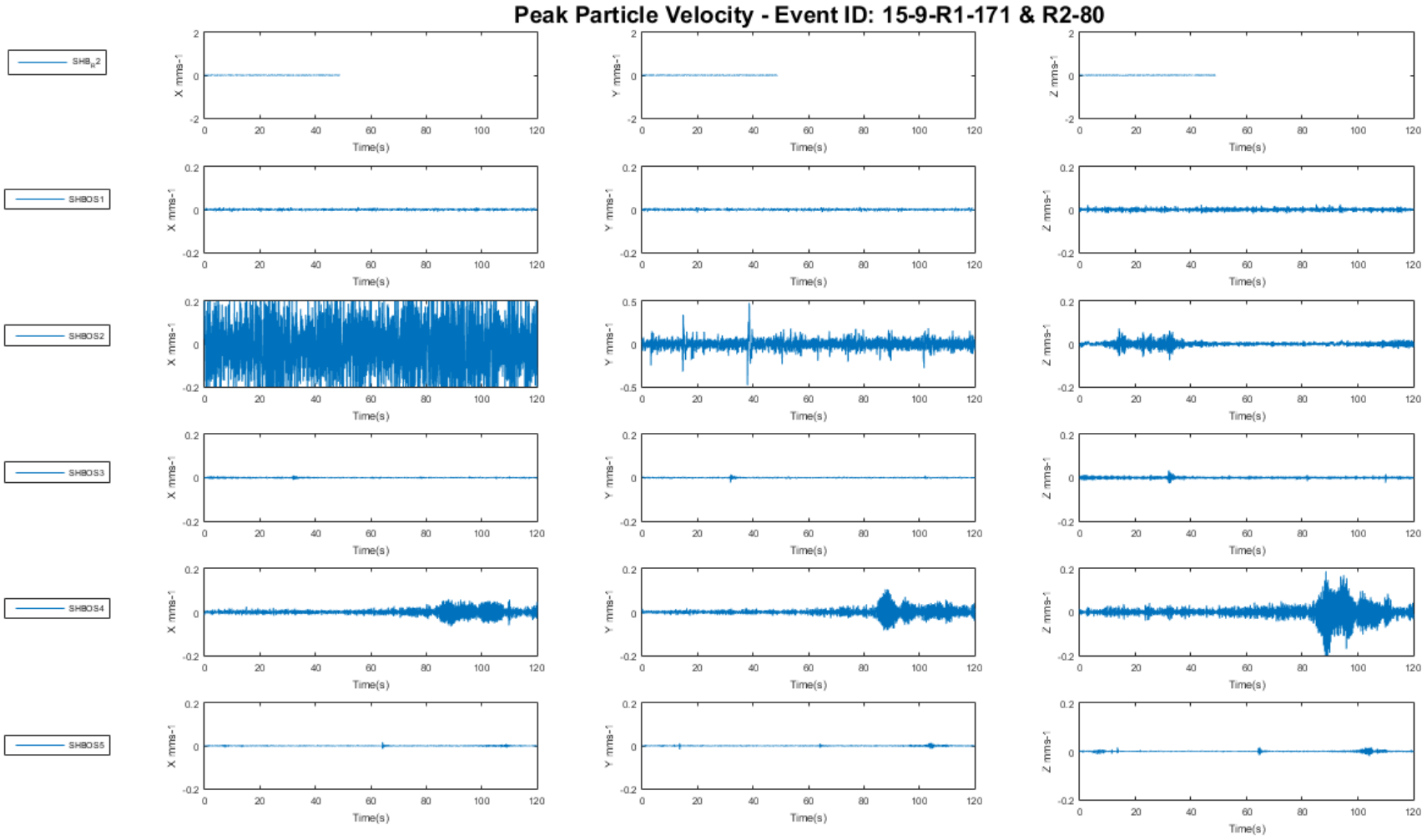


FIGURE 3.616: SHB_OS 1 - 5 15-9-R1-171 & R2-80

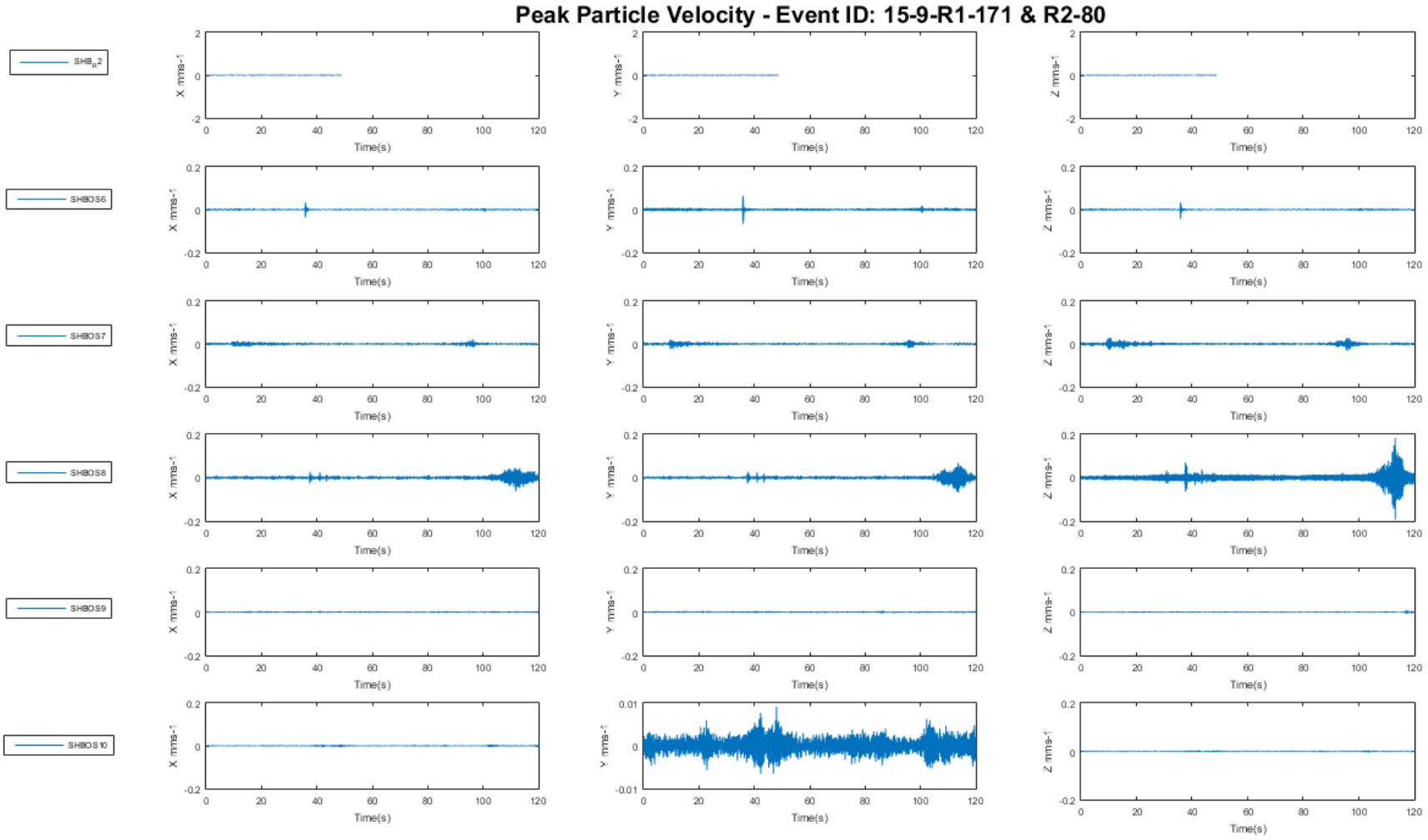


FIGURE 3.617: SHB_OS 6 - 10 15-9-R1-171 & R2-80

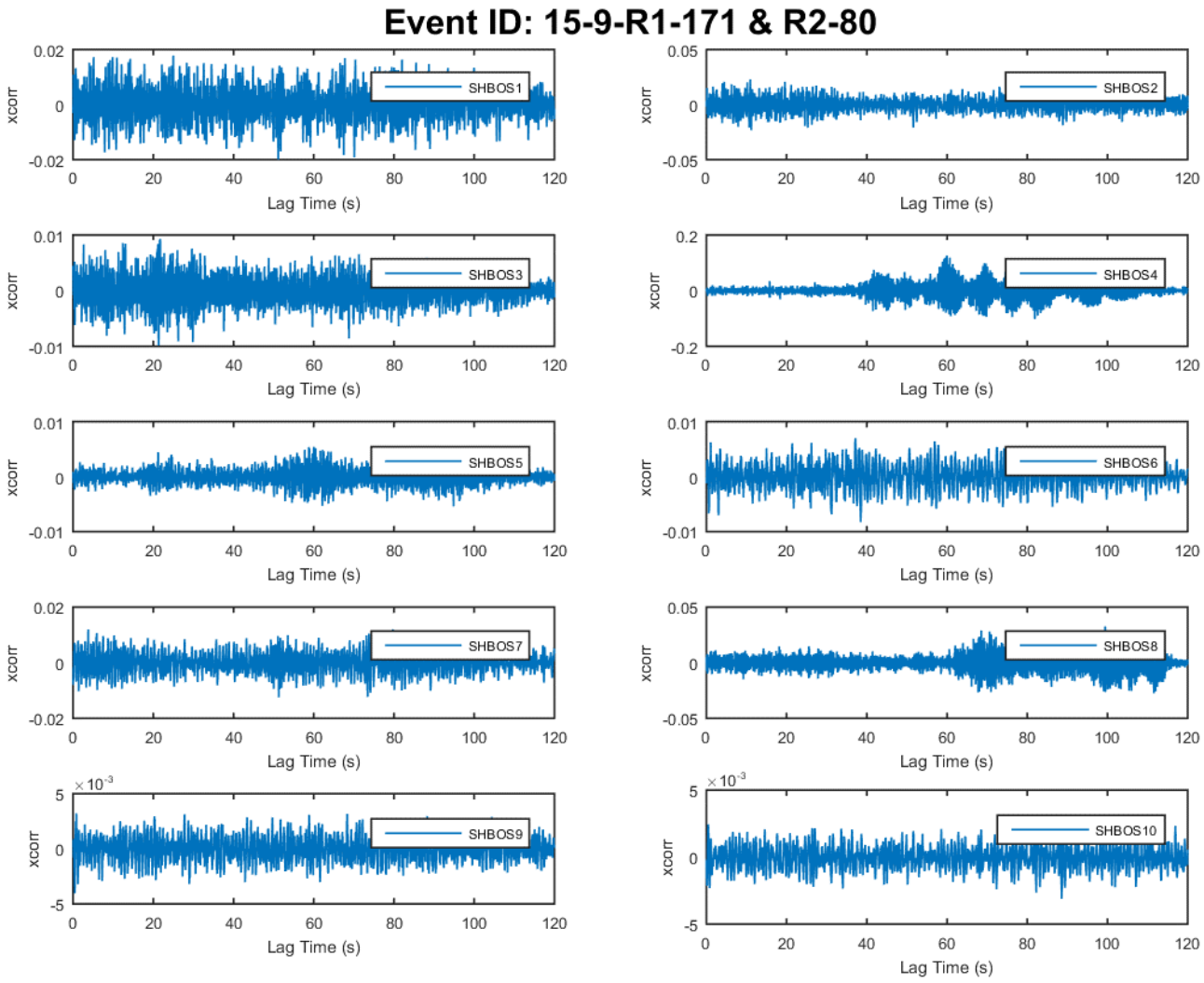


FIGURE 3.618: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-171 & R2-80

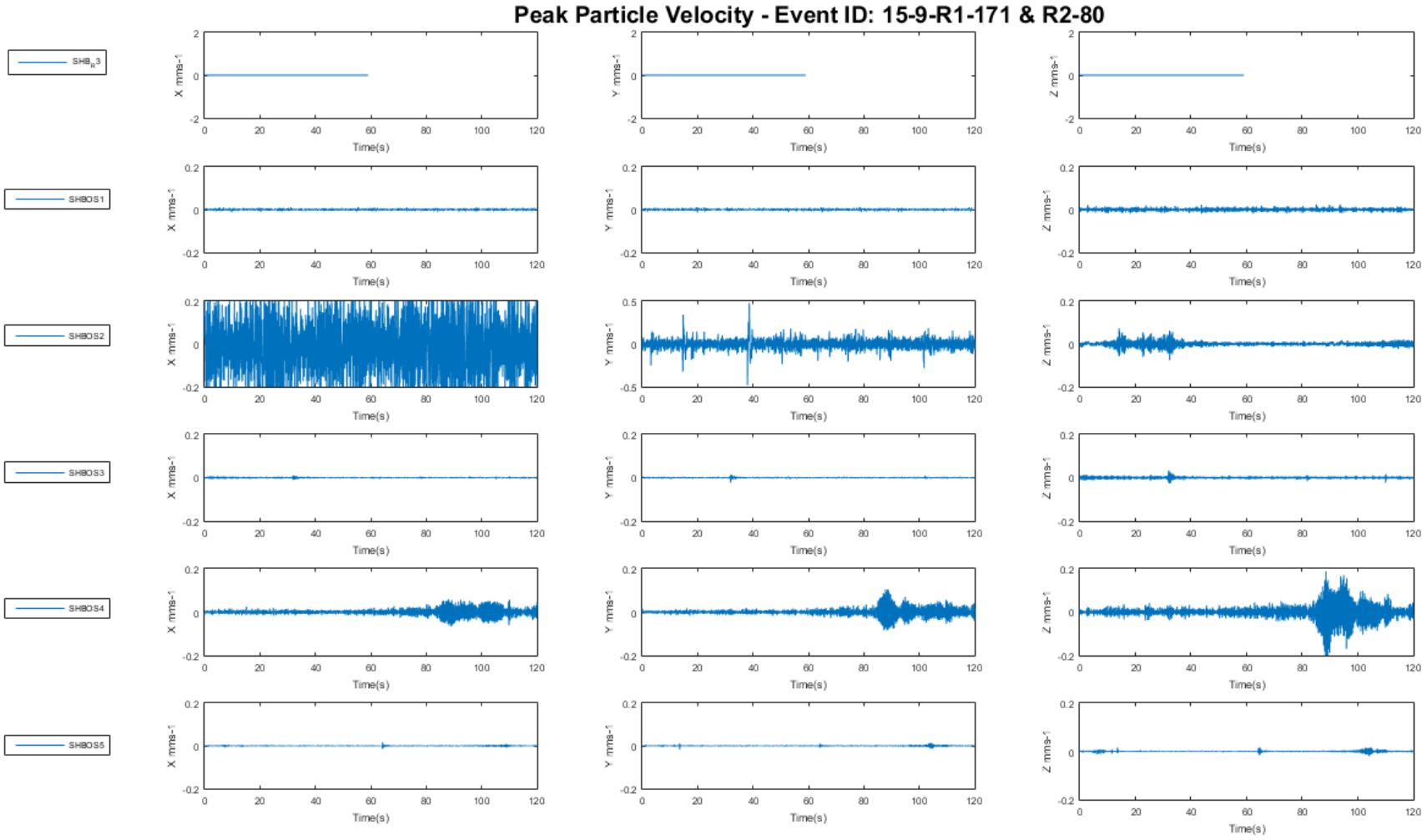


FIGURE 3.619: SHB_OS 1 - 5 15-9-R1-171 & R2-80

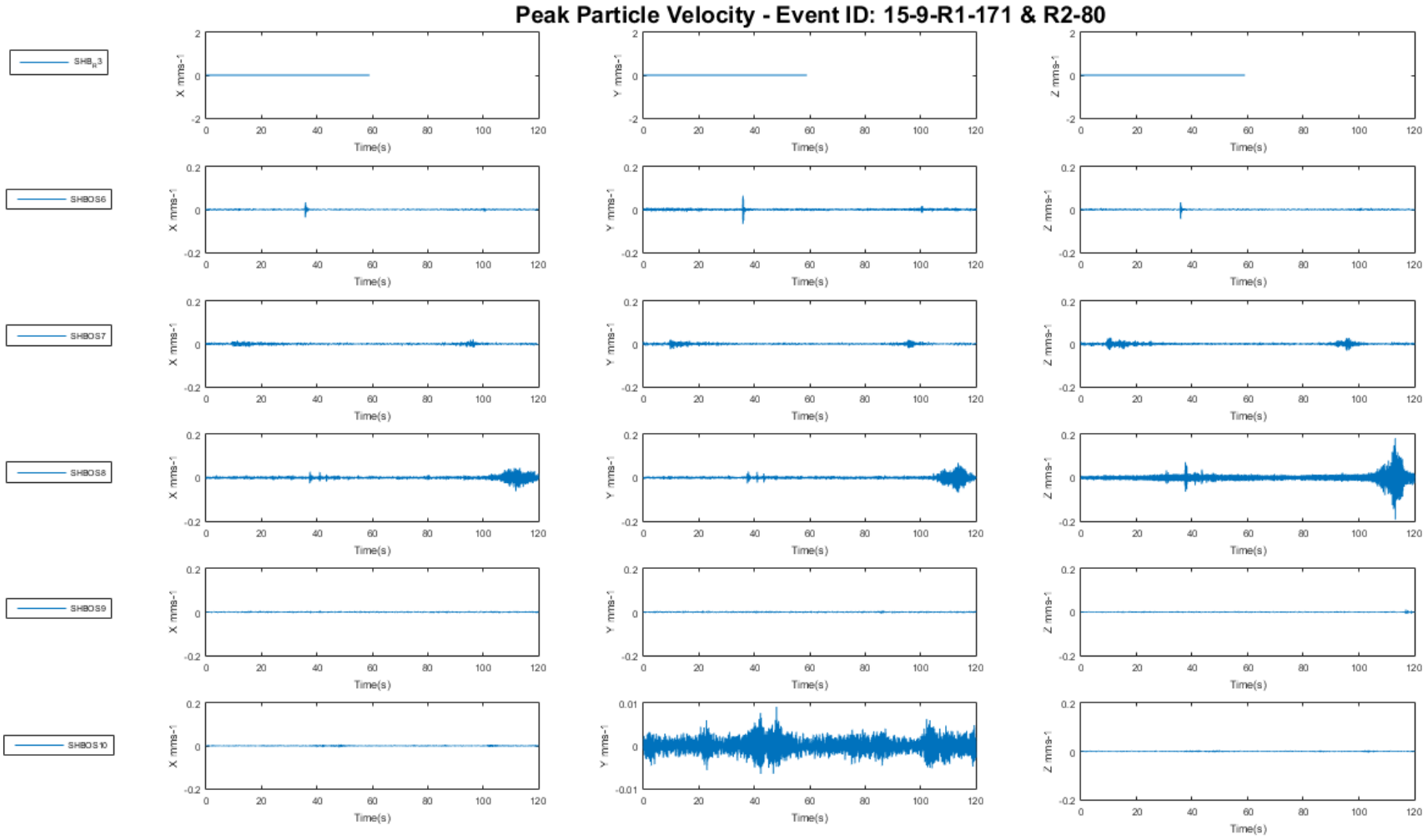


FIGURE 3.620: SHB_OS 6 - 10 15-9-R1-171 & R2-80

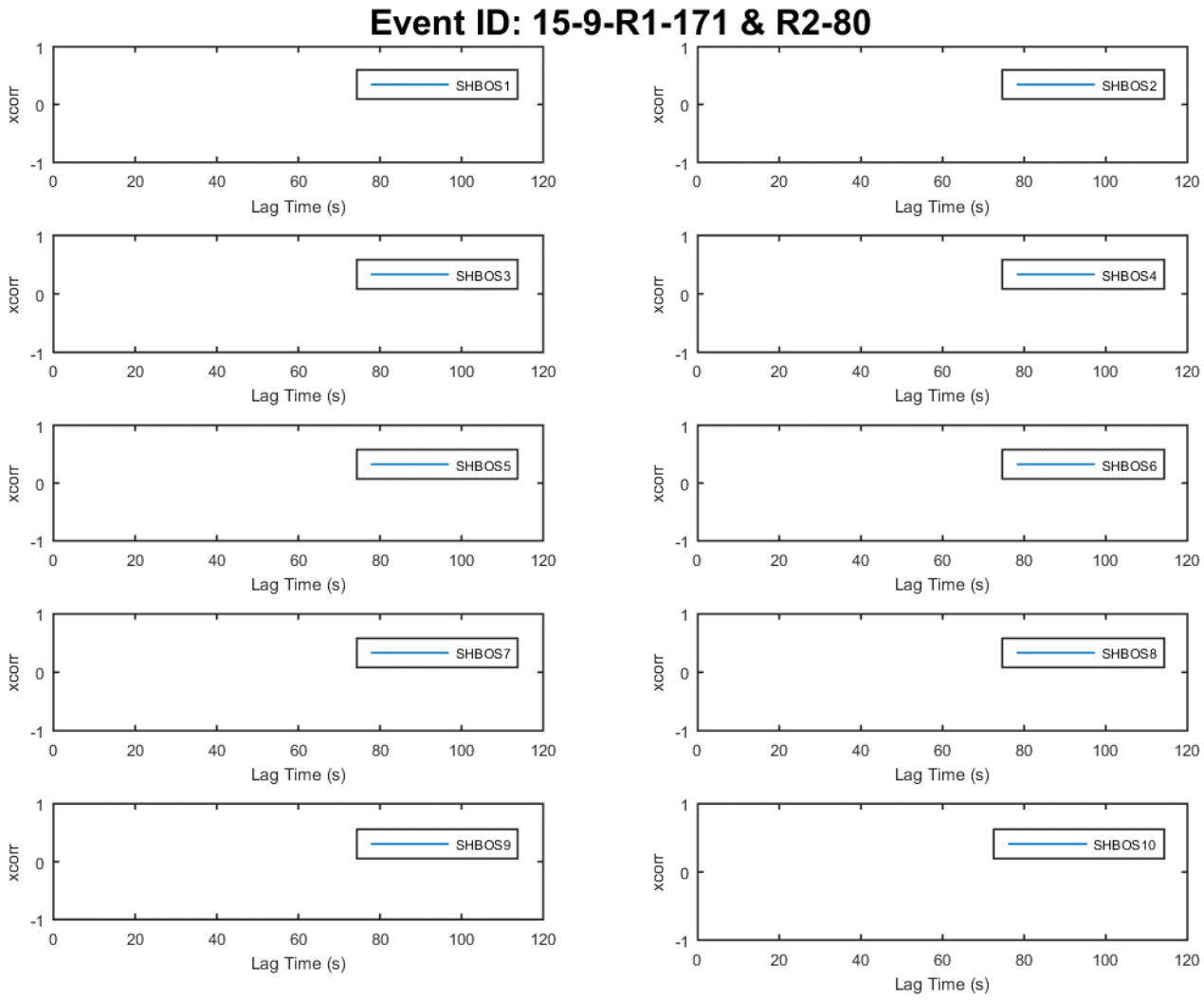


FIGURE 3.621: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-171 & R2-80

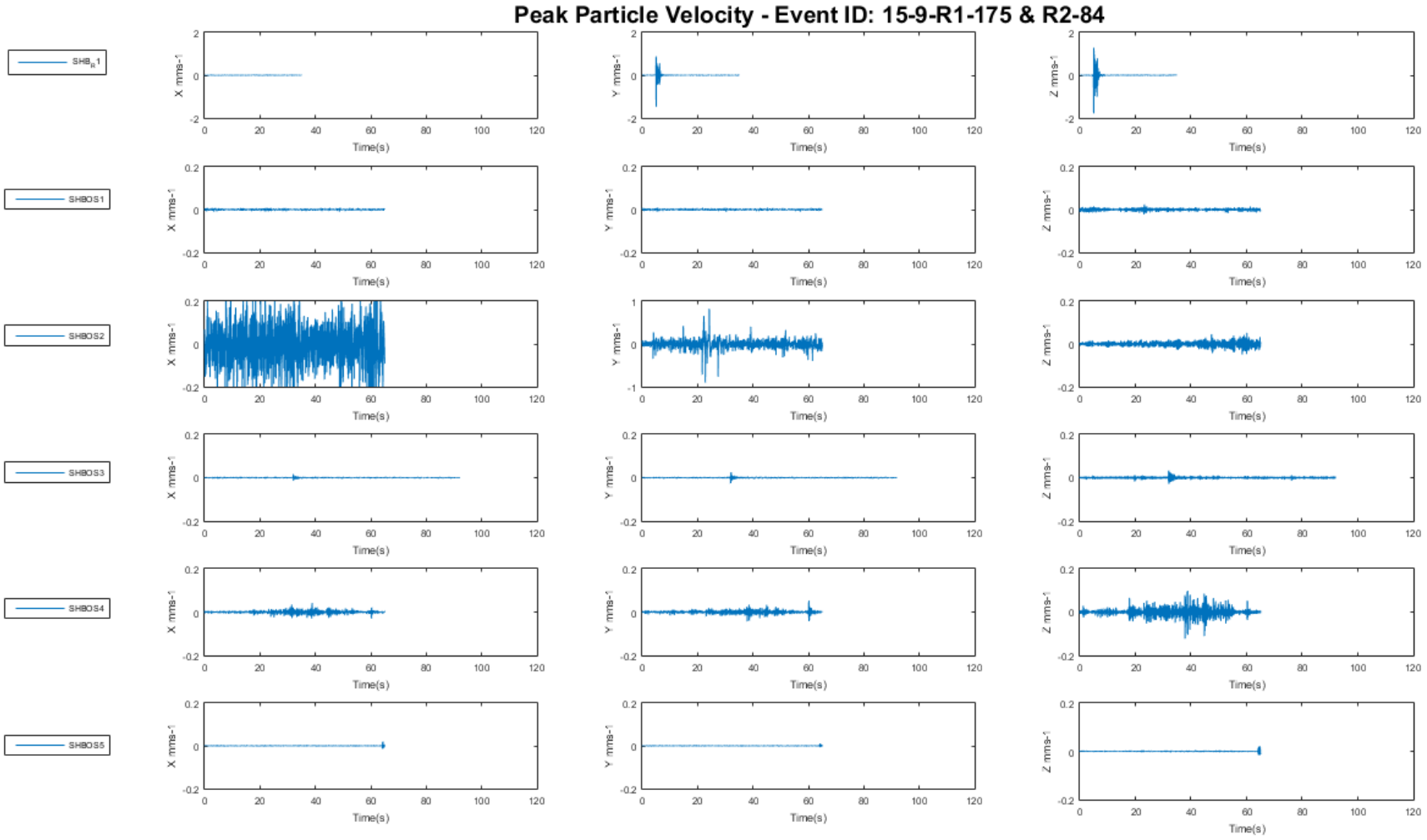


FIGURE 3.622: SHB_OS 1 - 5 15-9-R1-175 & R2-84

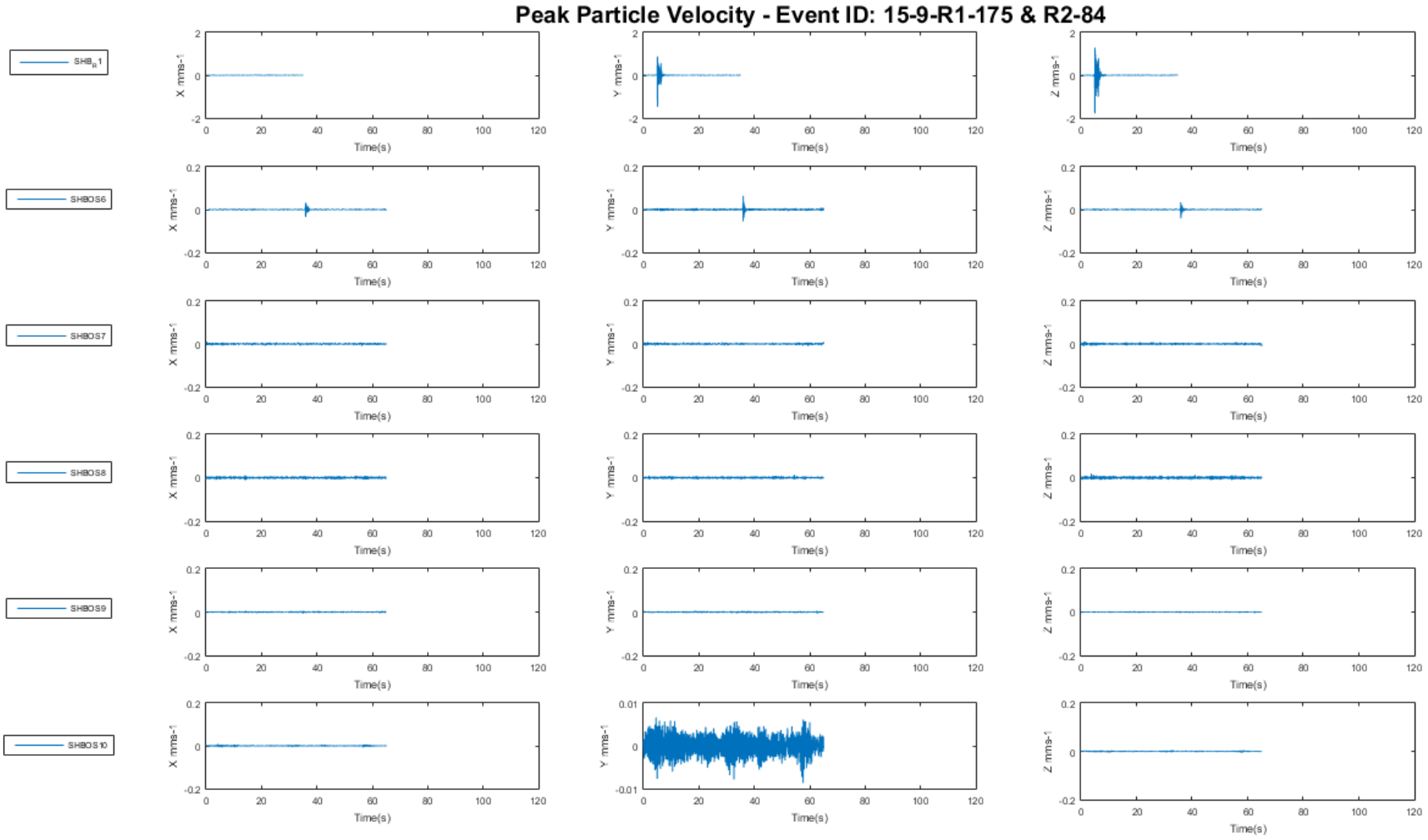


FIGURE 3.623: SHB_OS 6 - 10 15-9-R1-175 & R2-84

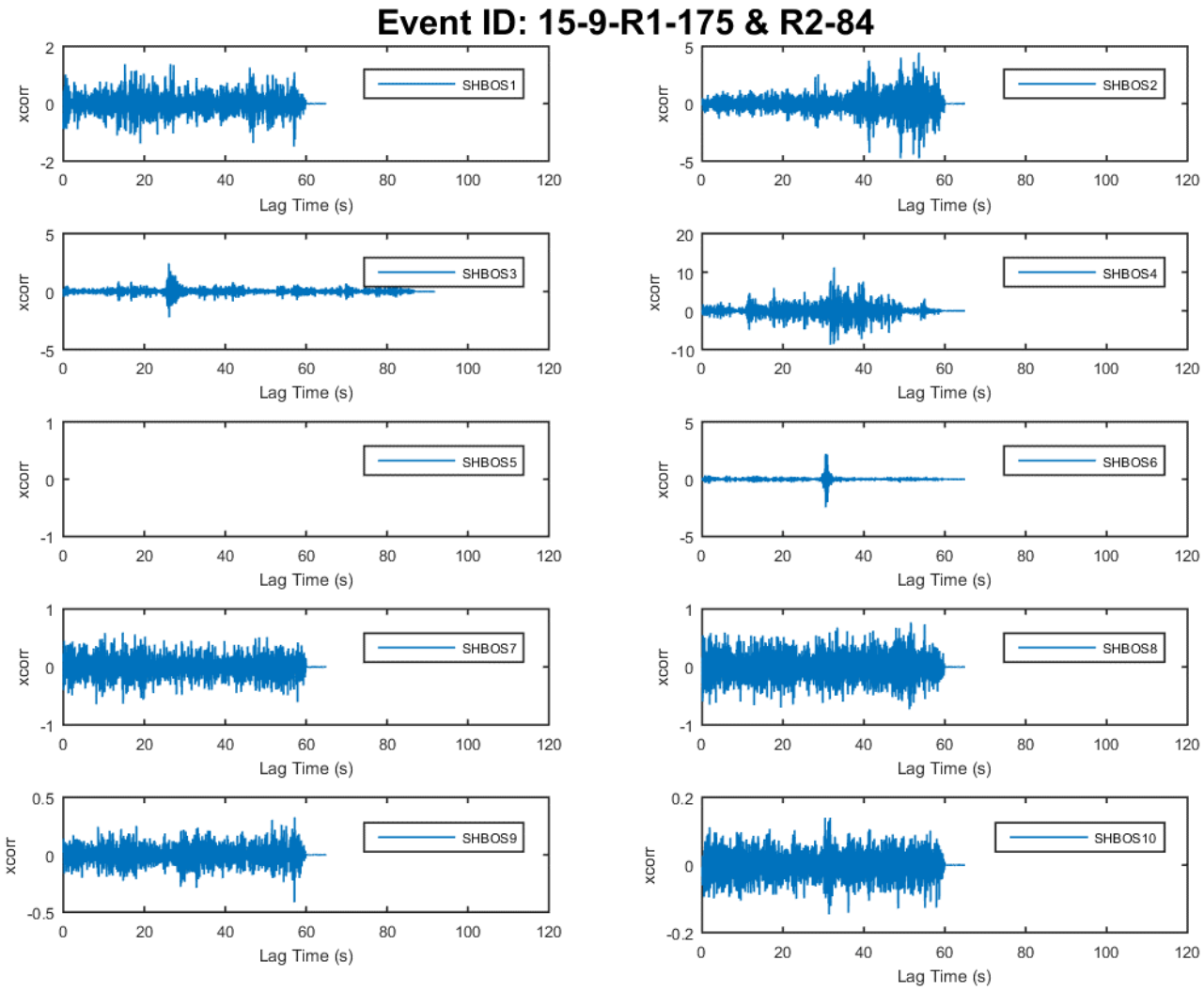


FIGURE 3.624: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-175 & R2-84

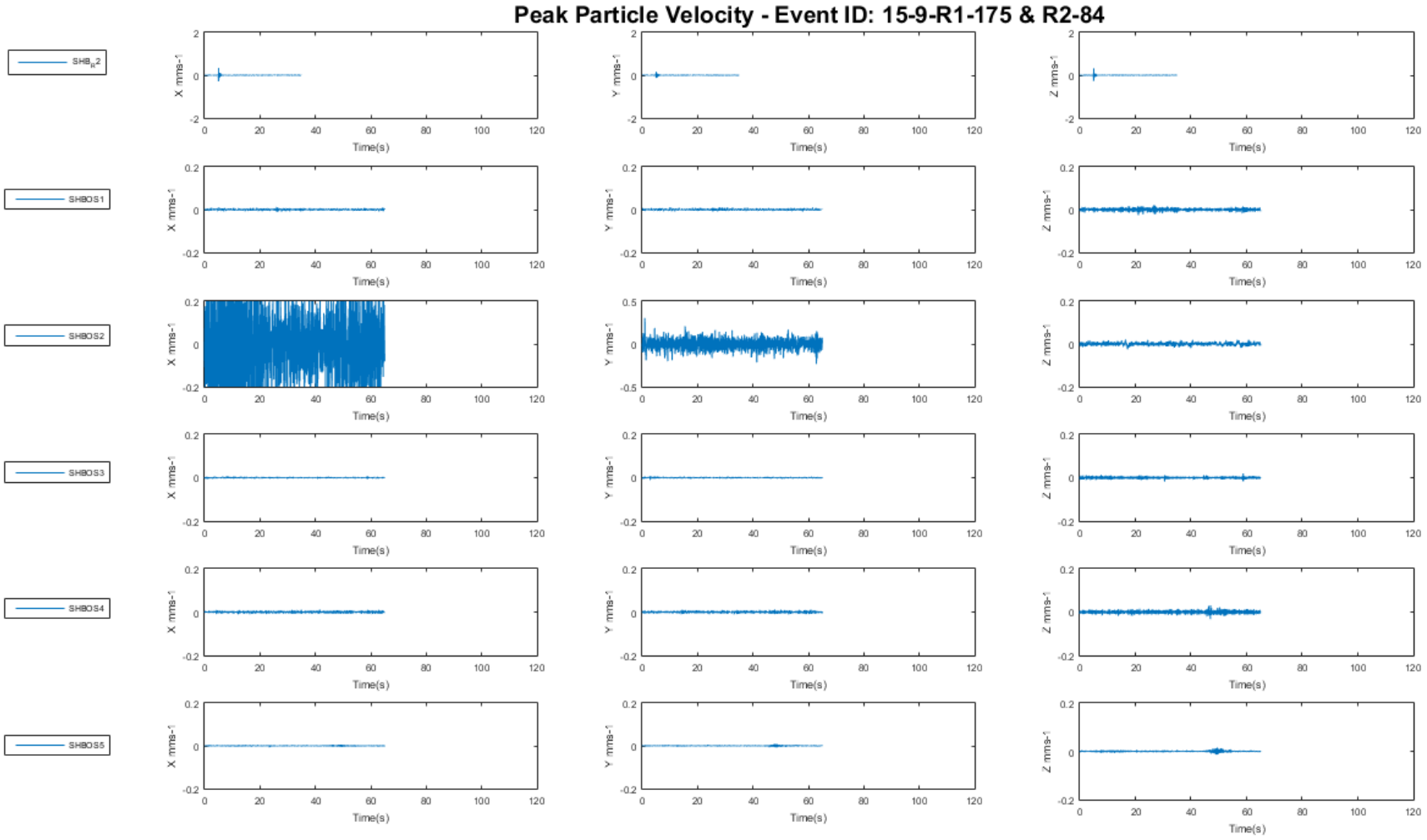


FIGURE 3.625: SHB_OS 1 - 5 15-9-R1-175 & R2-84

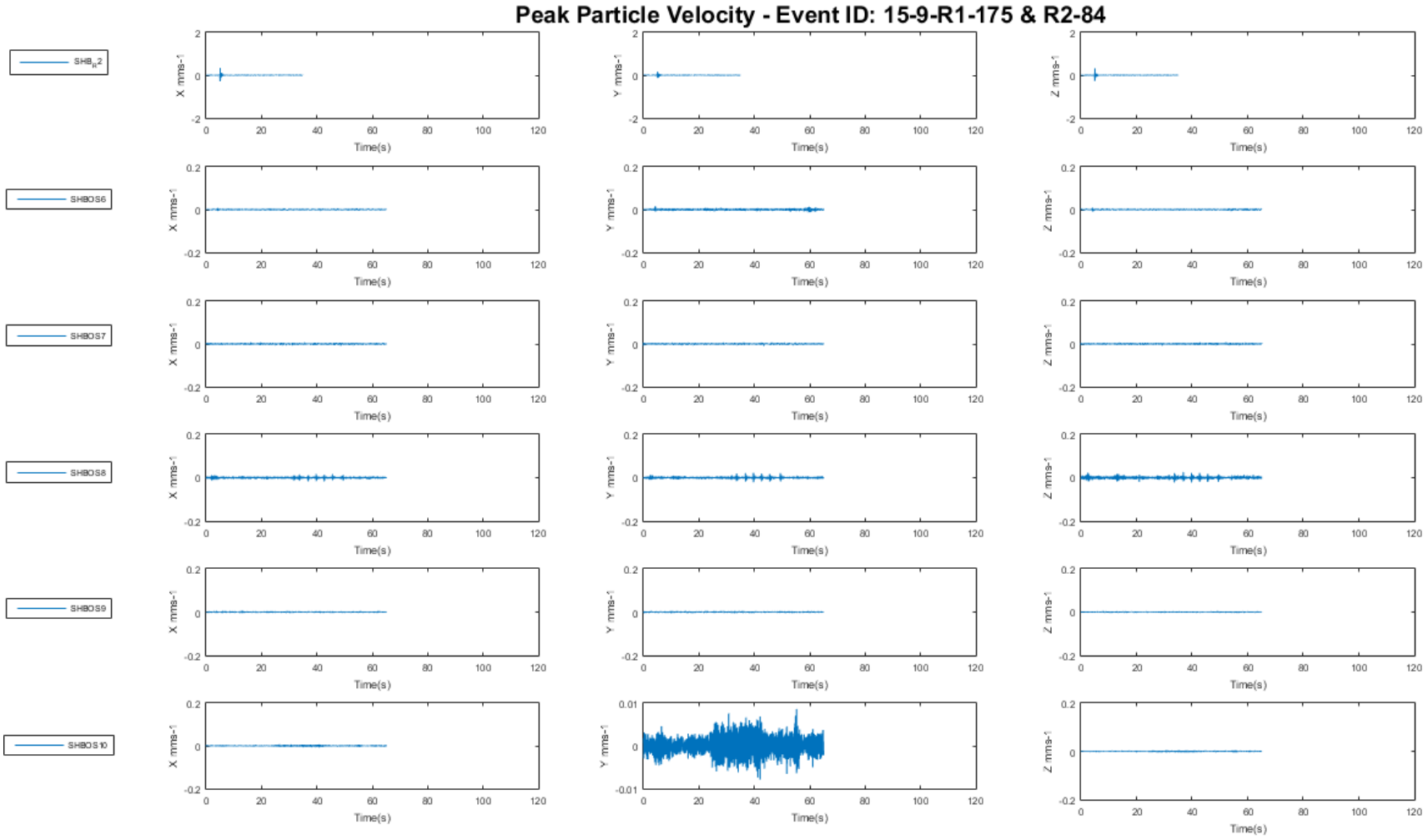


FIGURE 3.626: SHB_OS 6 - 10 15-9-R1-175 & R2-84

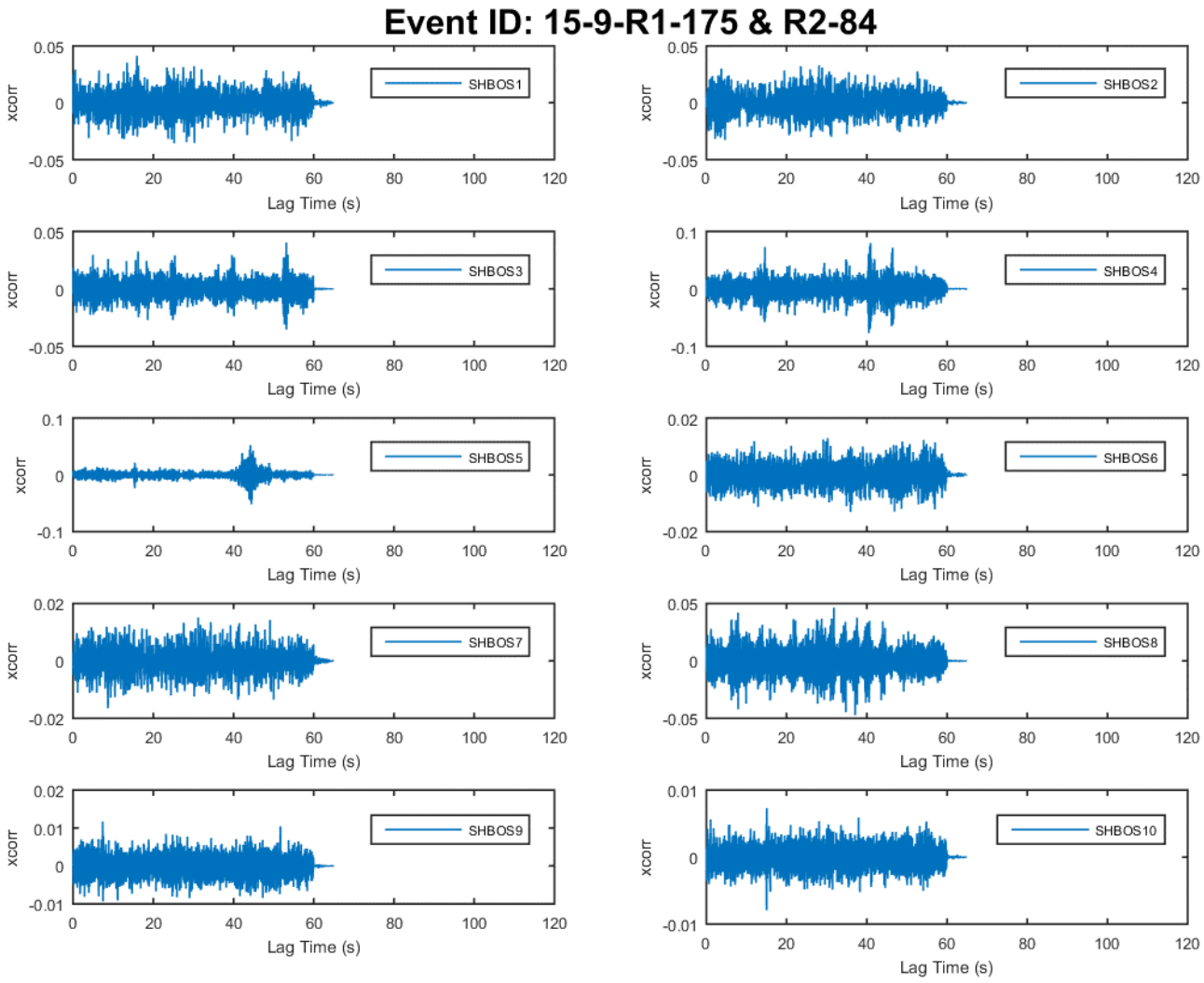


FIGURE 3.627: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-175 & R2-84

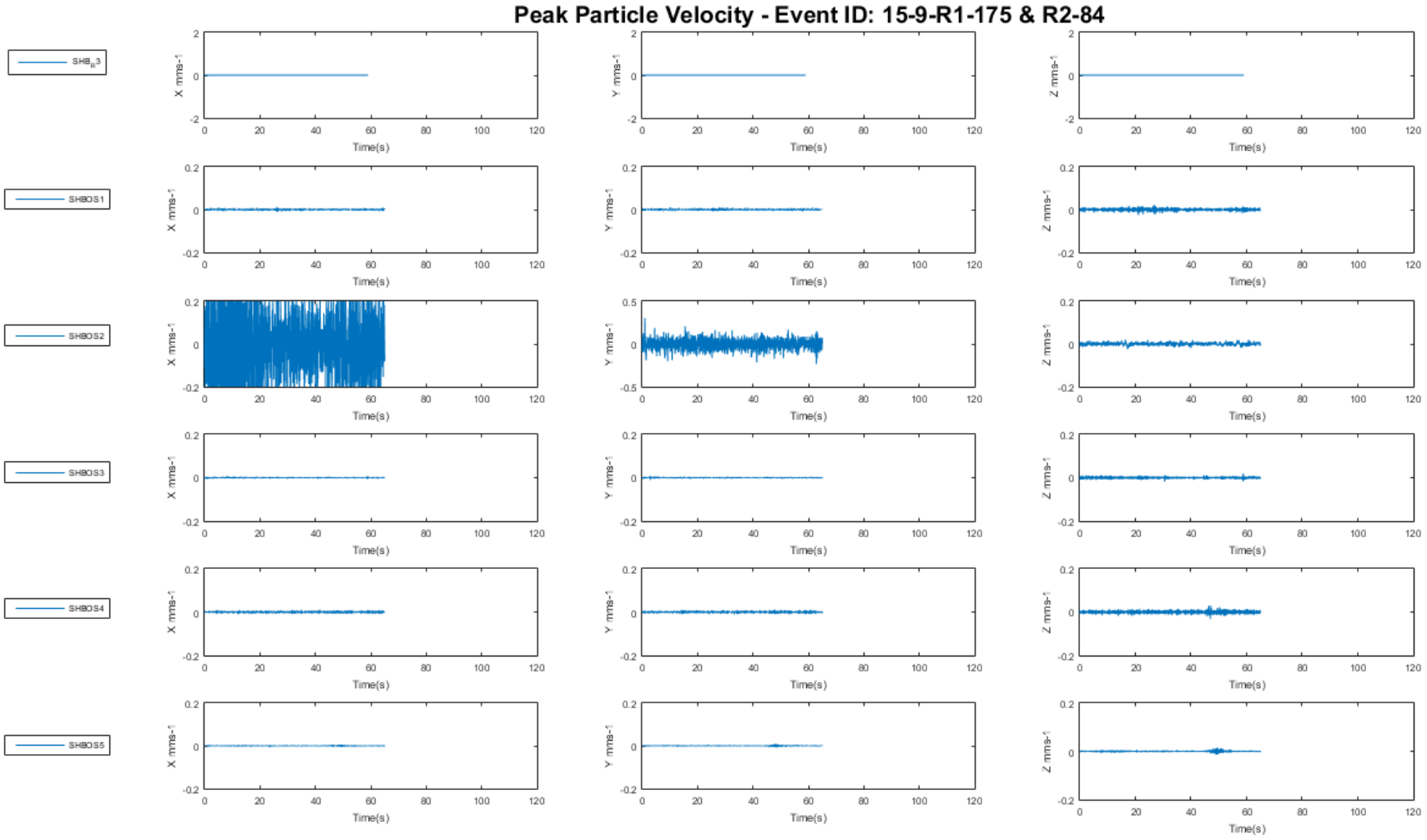


FIGURE 3.628: SHB_OS 1 - 5 15-9-R1-175 & R2-84

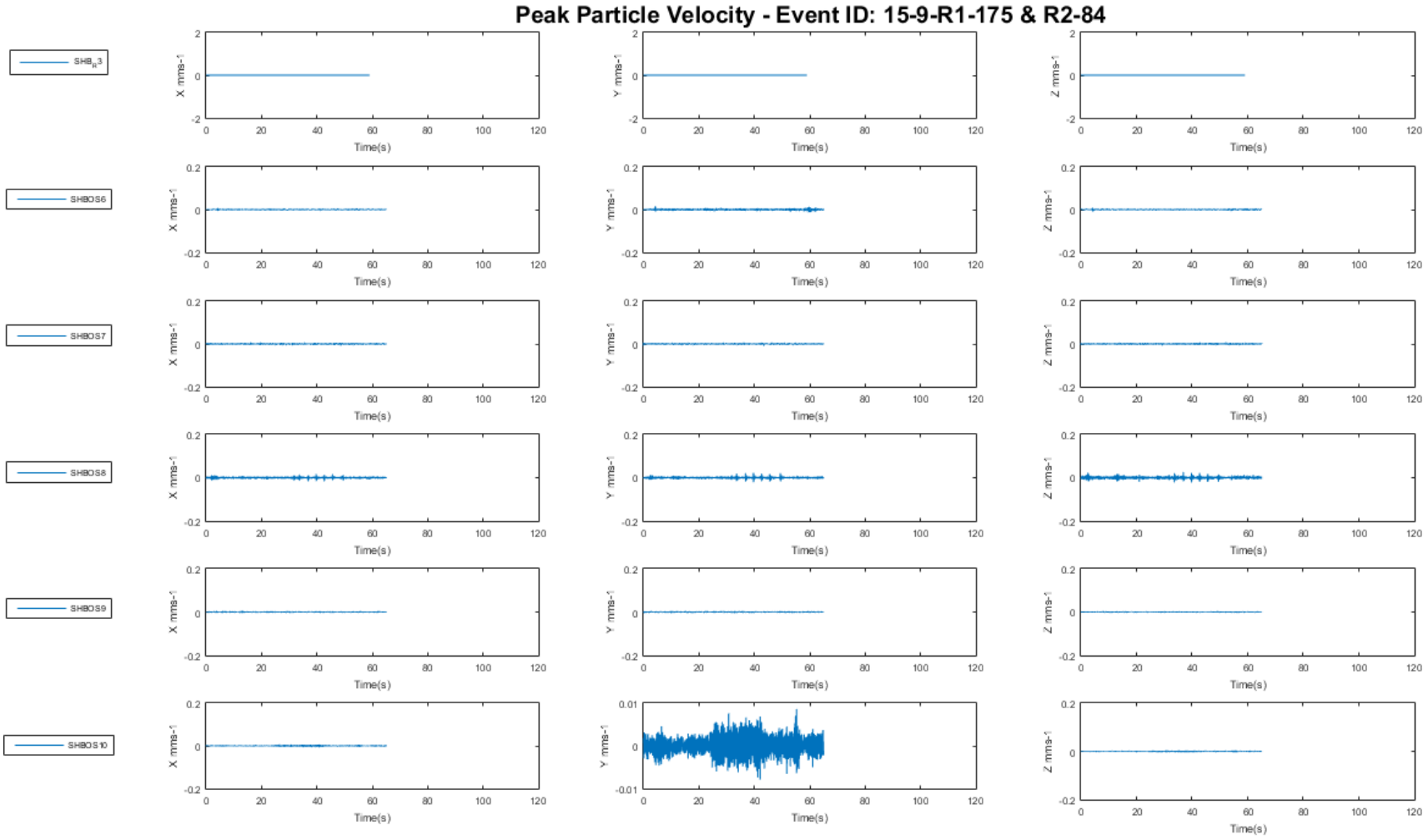


FIGURE 3.629: SHB_OS 6 - 10 15-9-R1-175 & R2-84

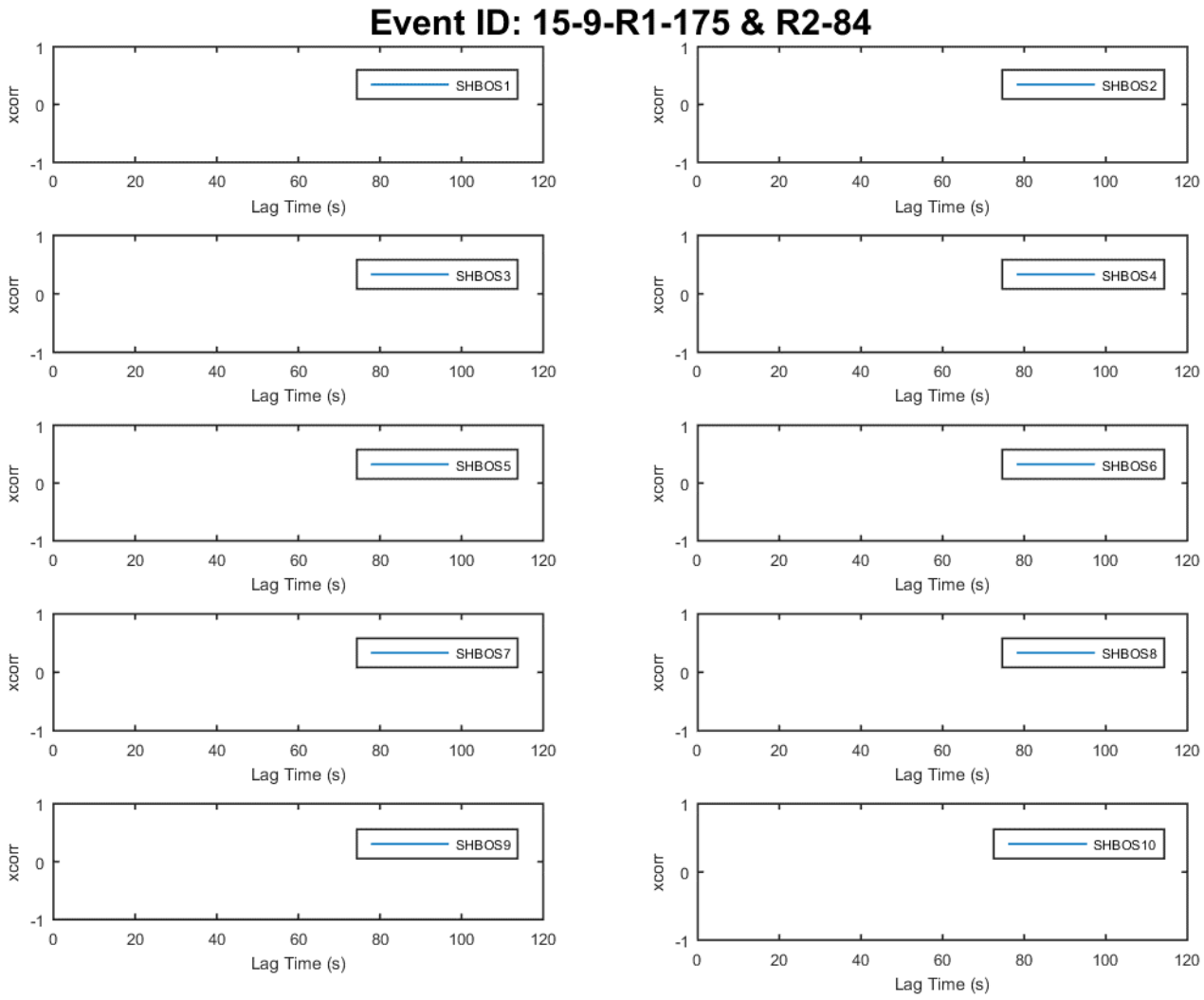


FIGURE 3.630: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-175 & R2-84

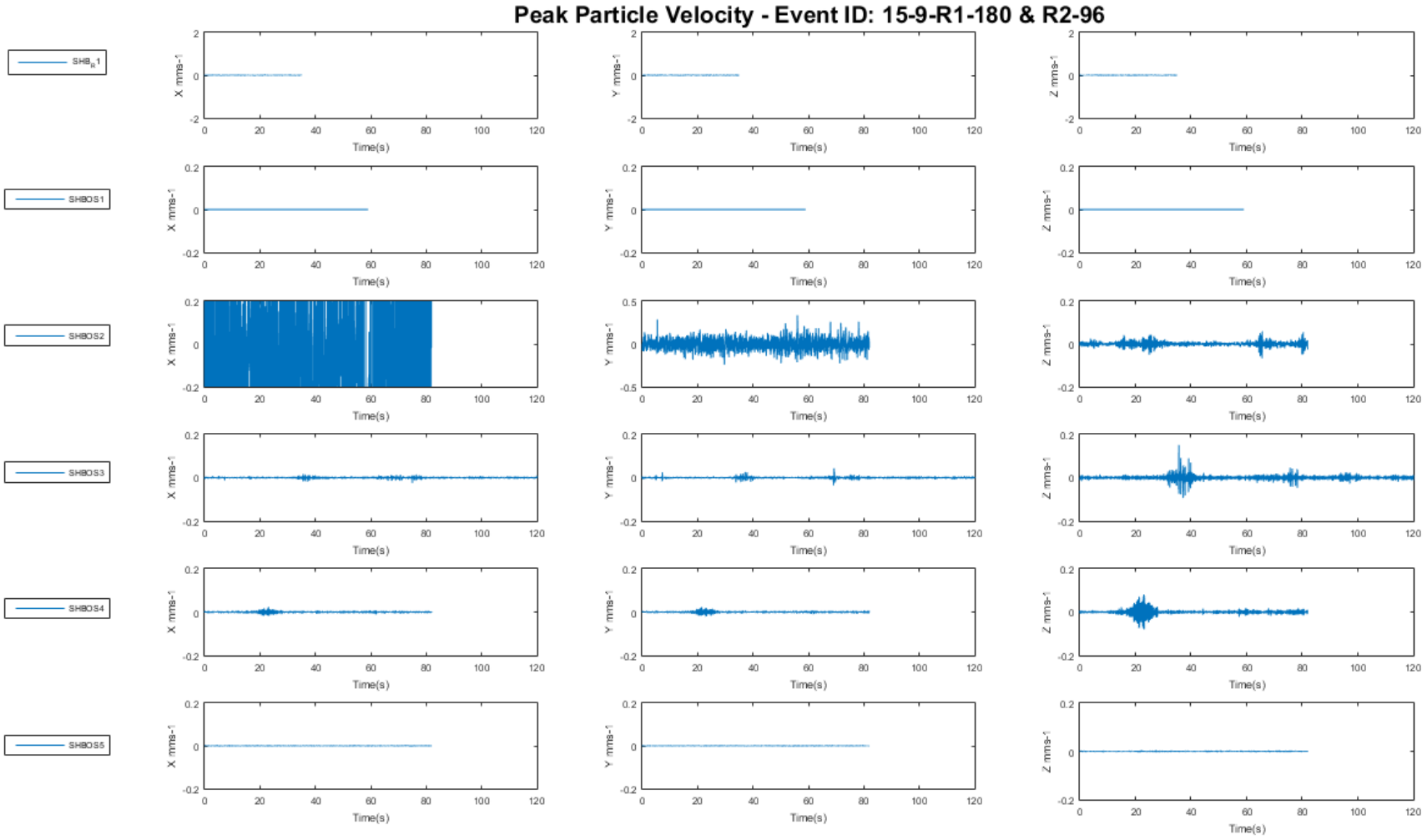


FIGURE 3.631: SHB_OS 1 - 5 15-9-R1-180 & R2-96

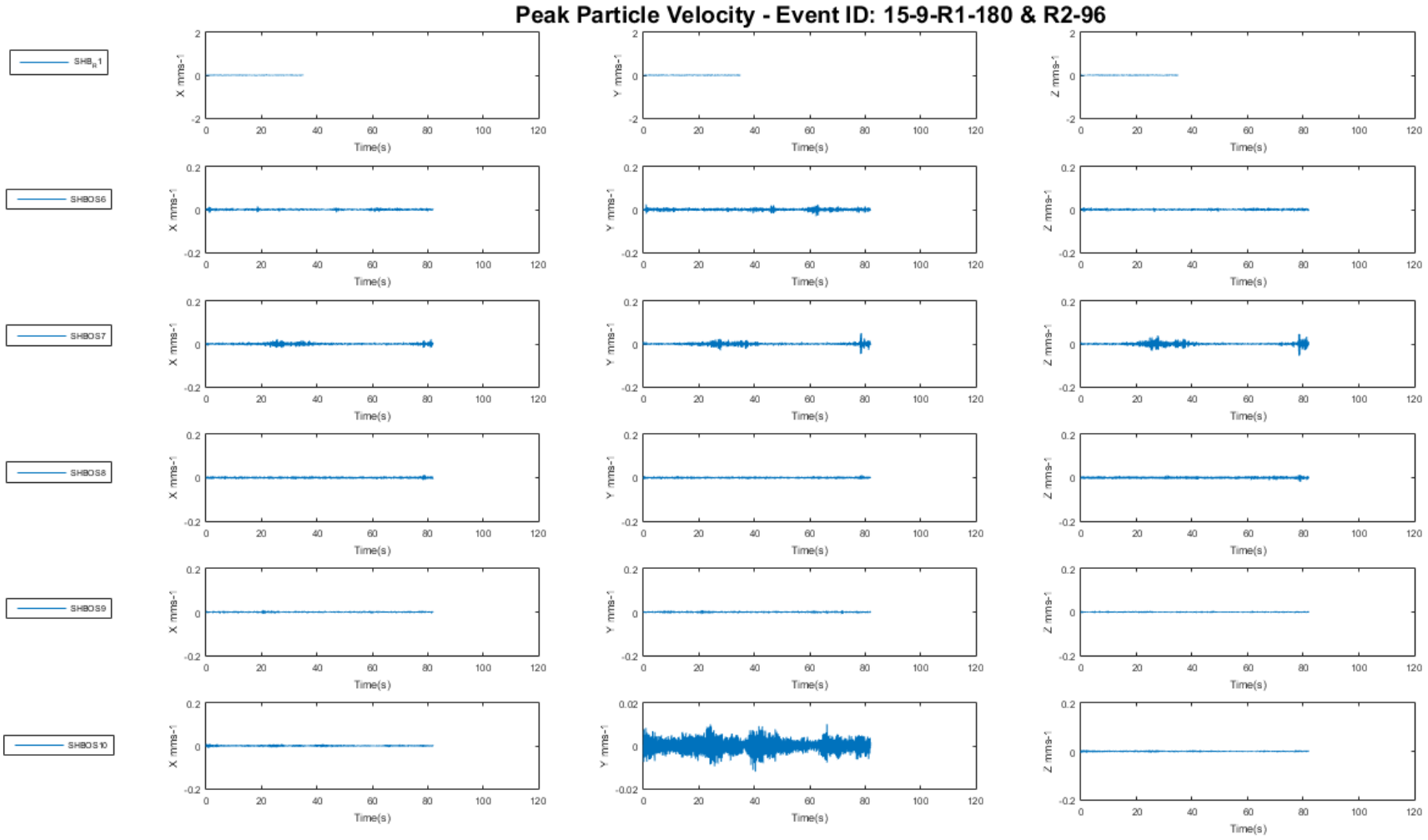


FIGURE 3.632: SHB_OS 6 - 10 15-9-R1-180 & R2-96

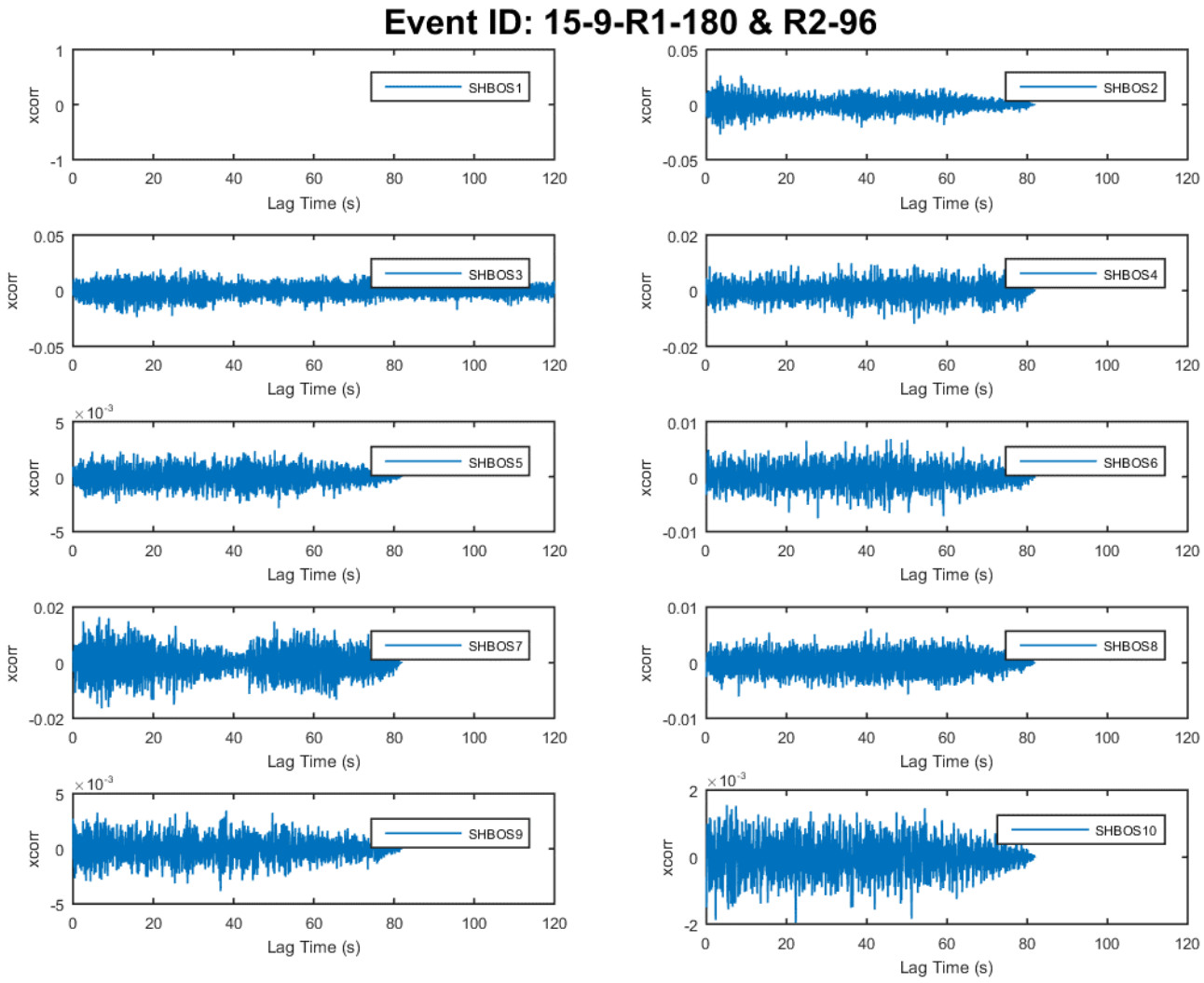


FIGURE 3.633: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-180 & R2-96

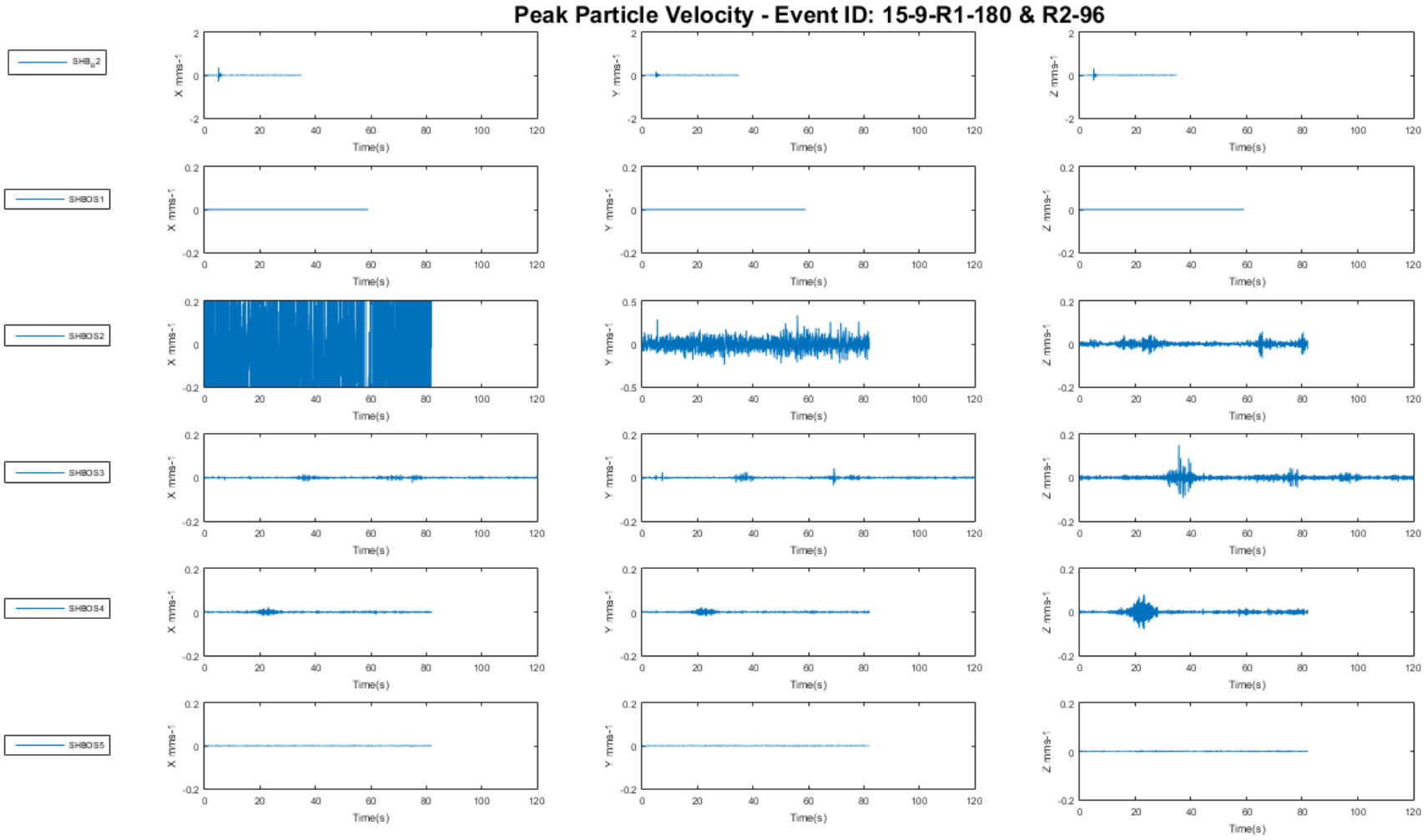


FIGURE 3.634: SHB_OS 1 - 5 15-9-R1-180 & R2-96

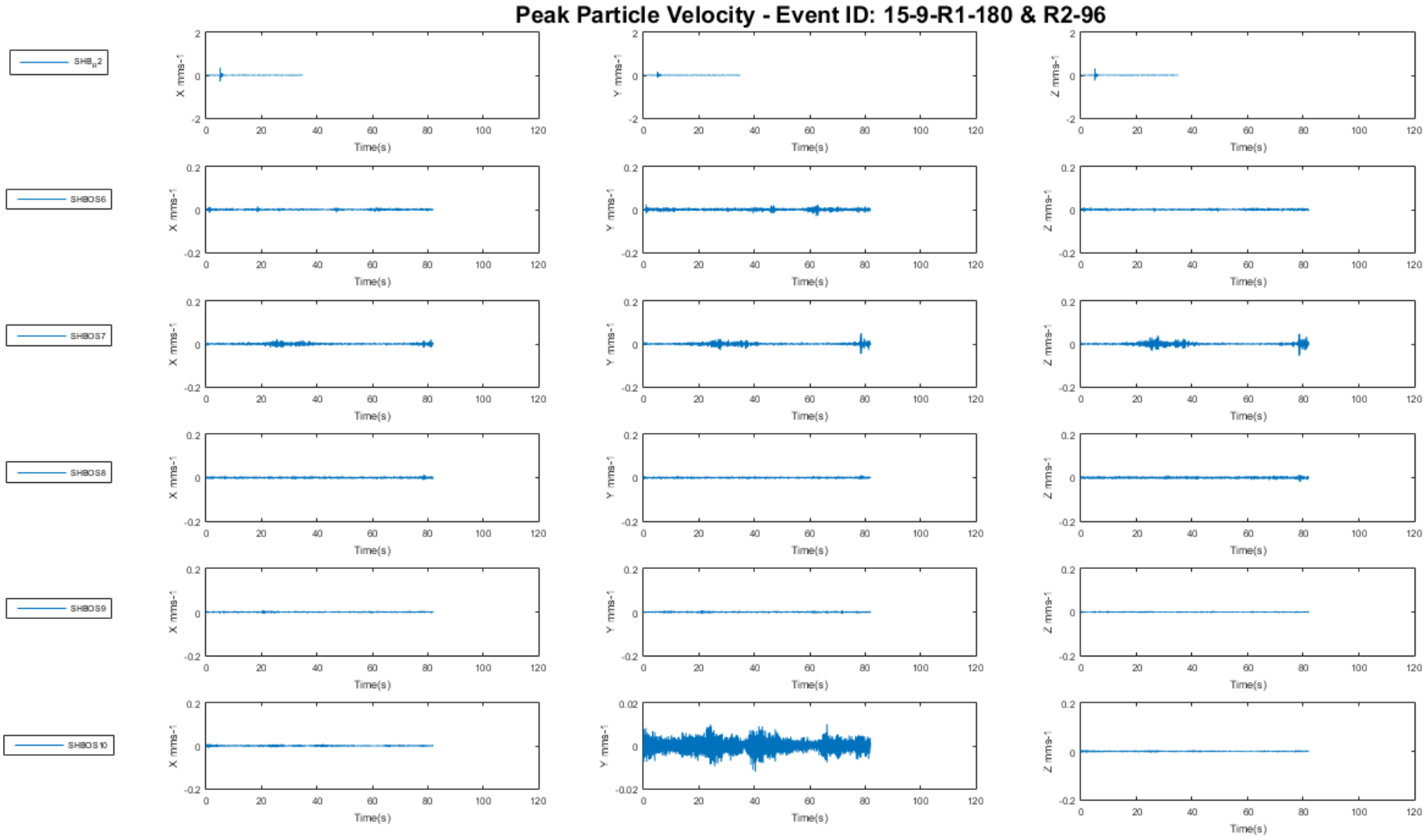


FIGURE 3.635: SHB_OS 6 - 10 15-9-R1-180 & R2-96

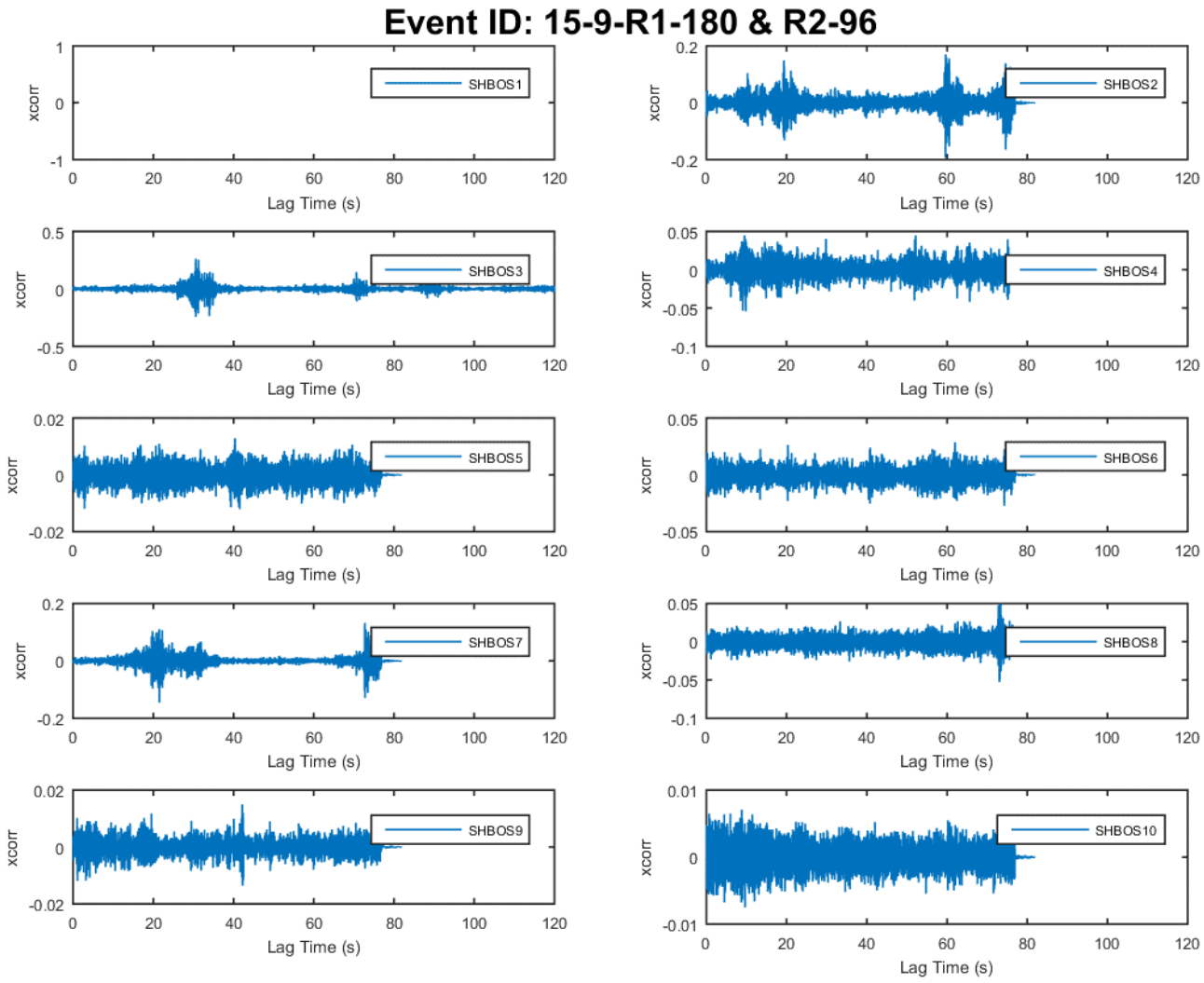


FIGURE 3.636: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-180 & R2-96

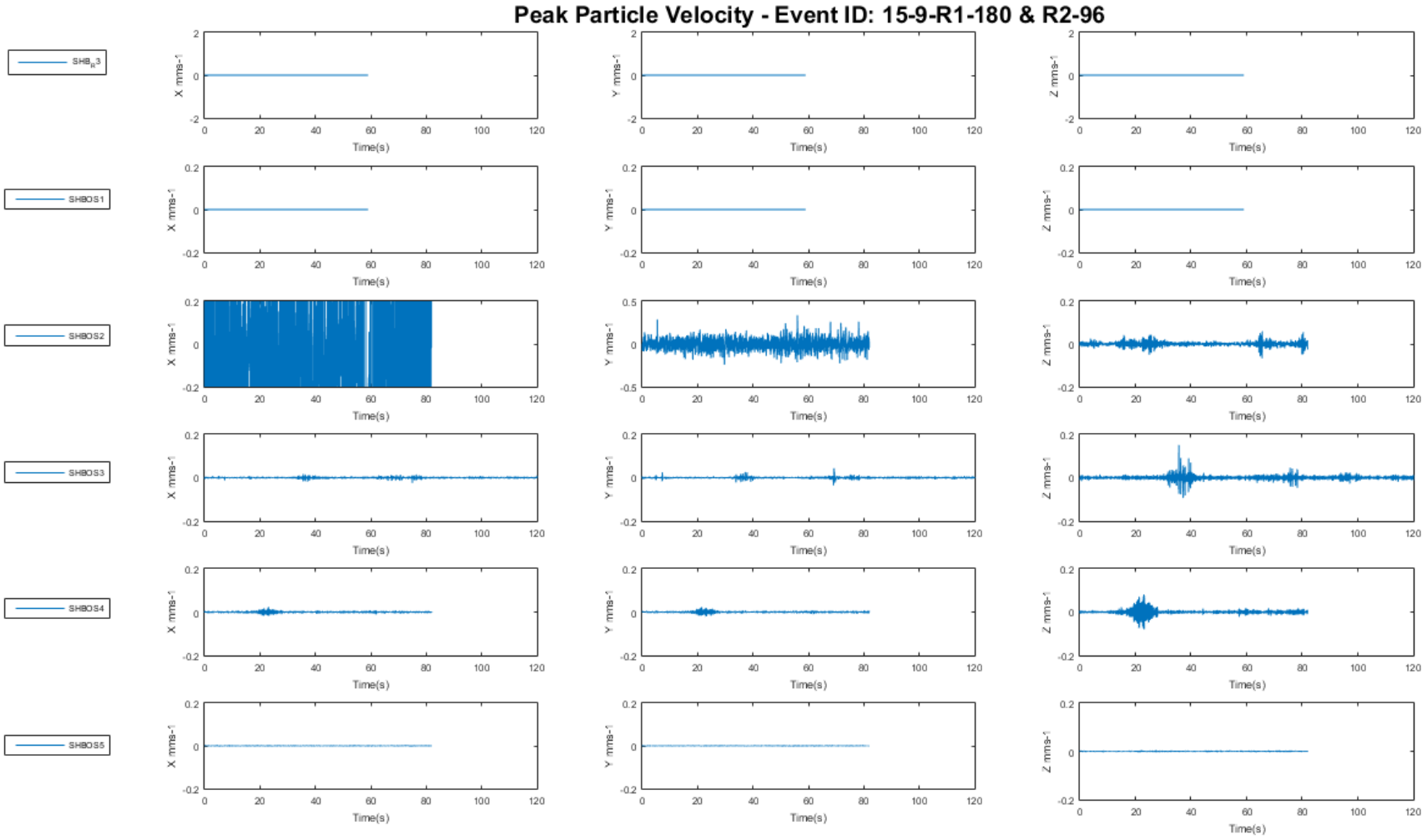


FIGURE 3.637: SHB_OS 1 - 5 15-9-R1-180 & R2-96

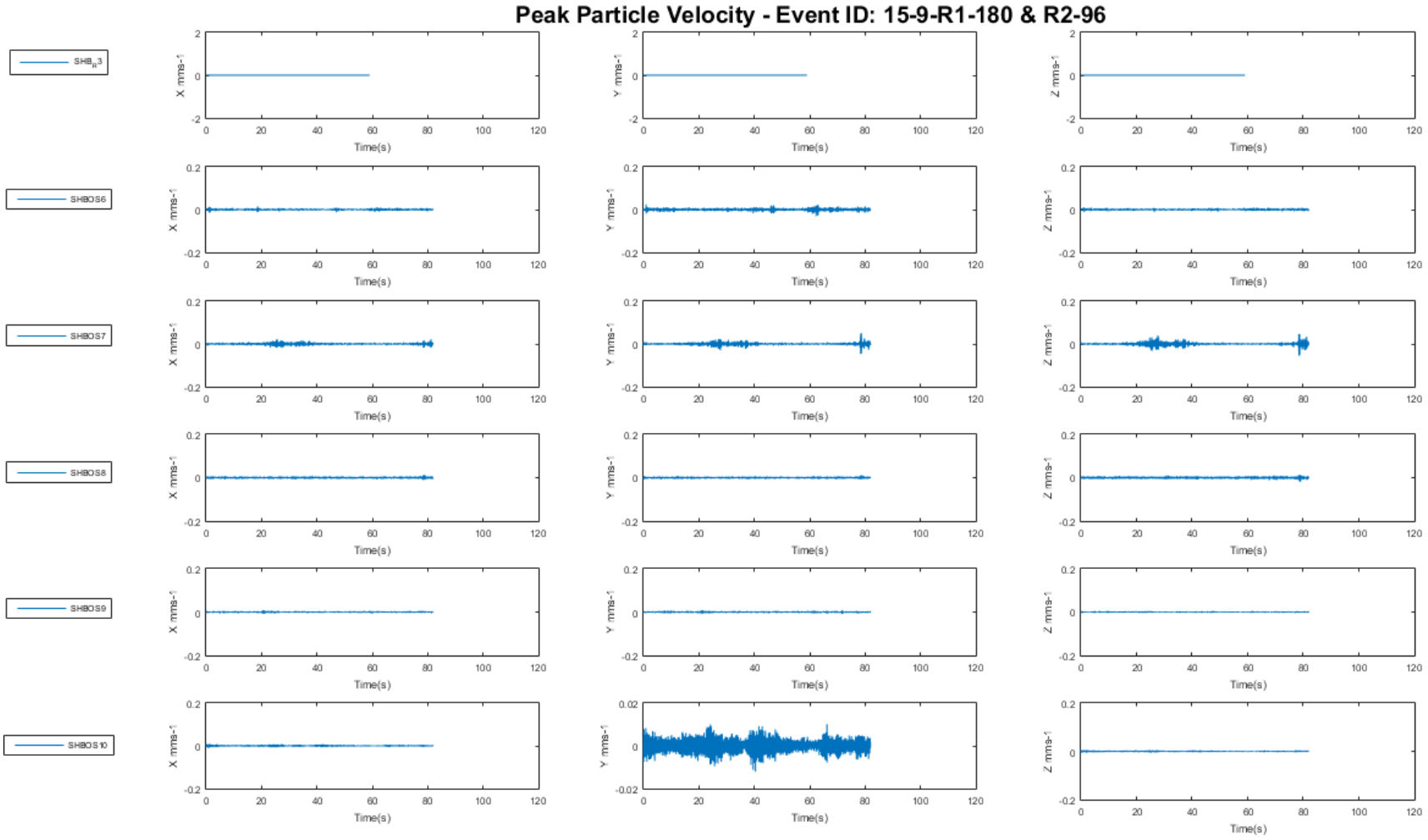


FIGURE 3.638: SHB_OS 6 - 10 15-9-R1-180 & R2-96

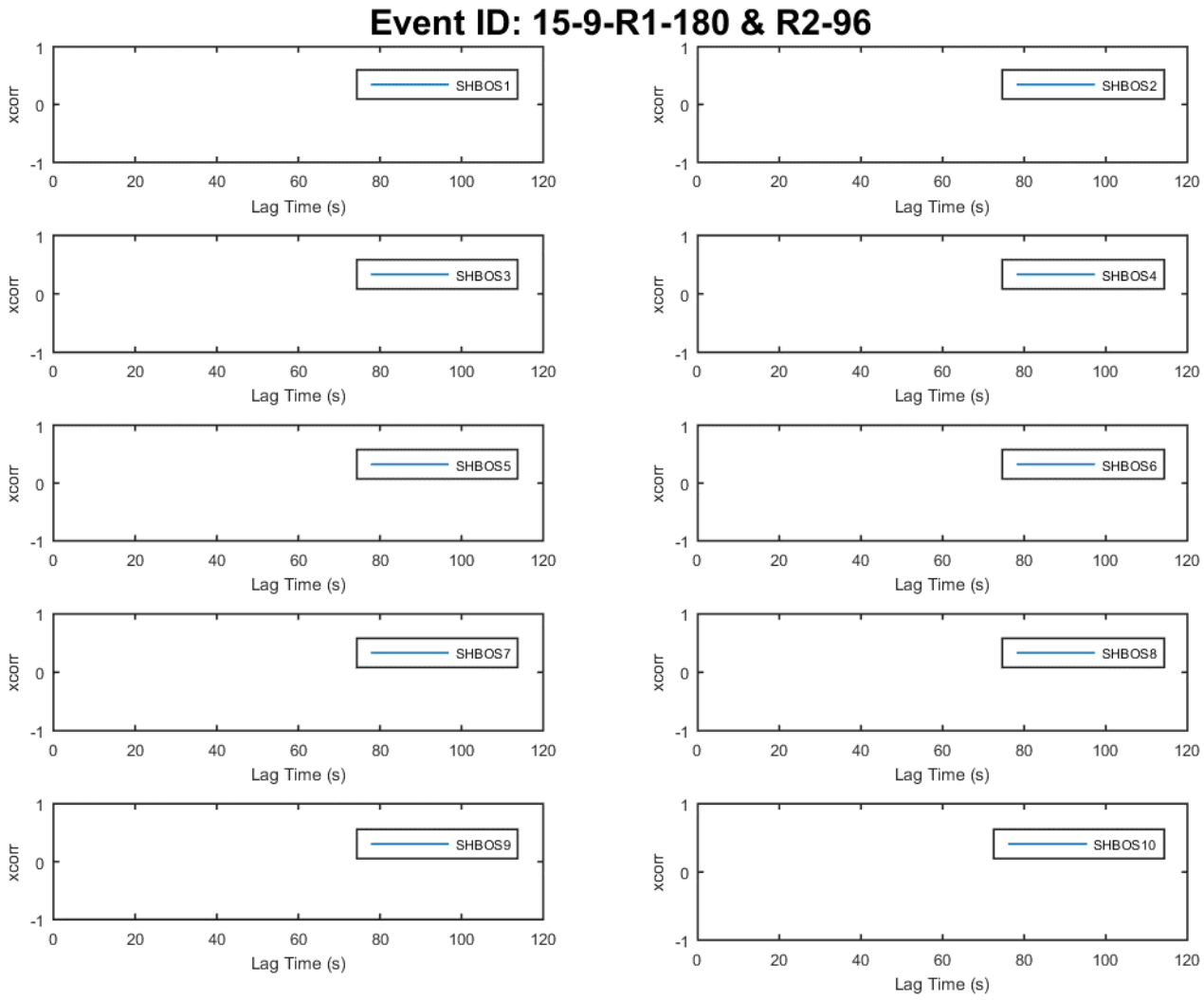


FIGURE 3.639: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-180 & R2-96

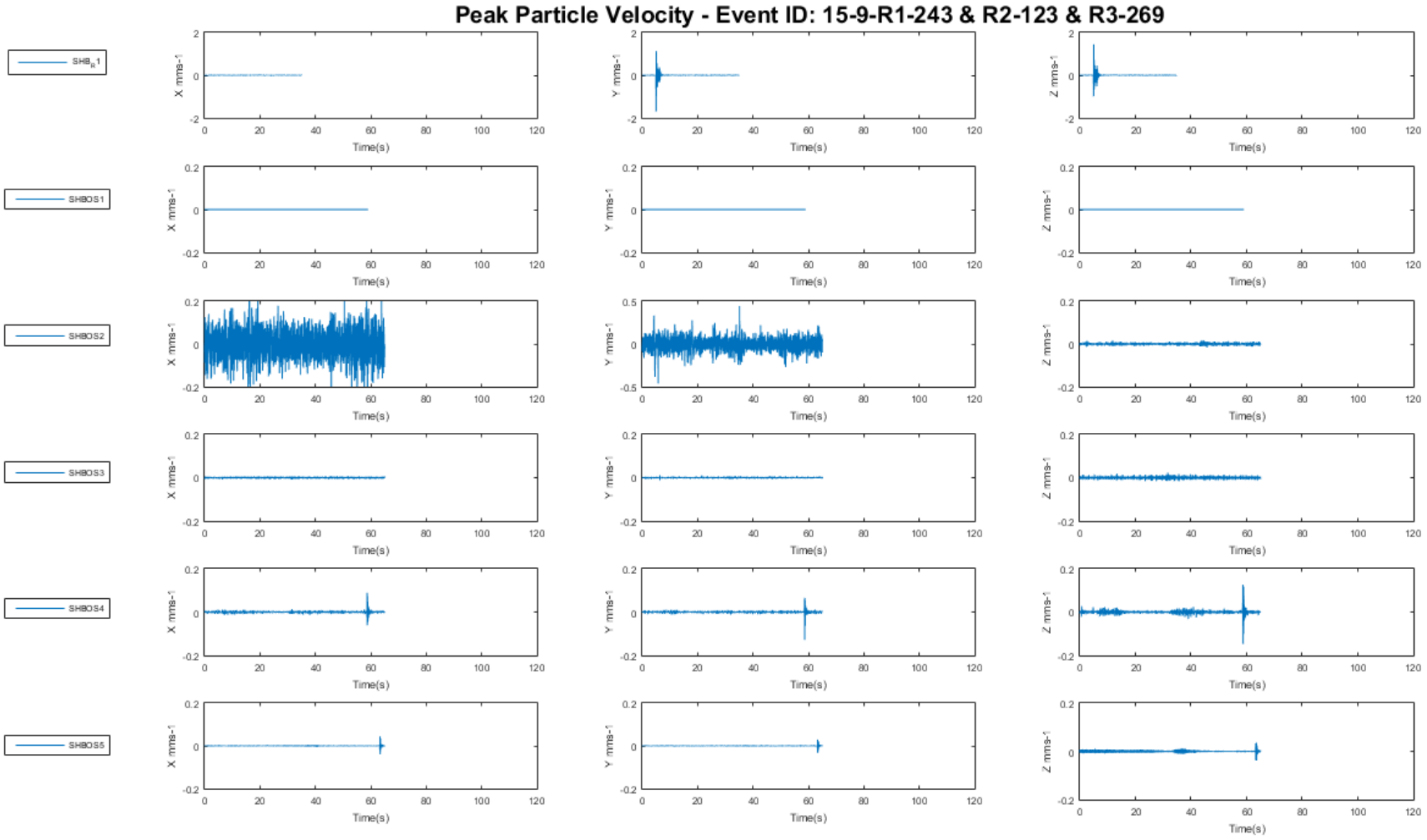


FIGURE 3.640: SHB_OS 1 - 5 15-9-R1-243 & R2-123 & R3-269

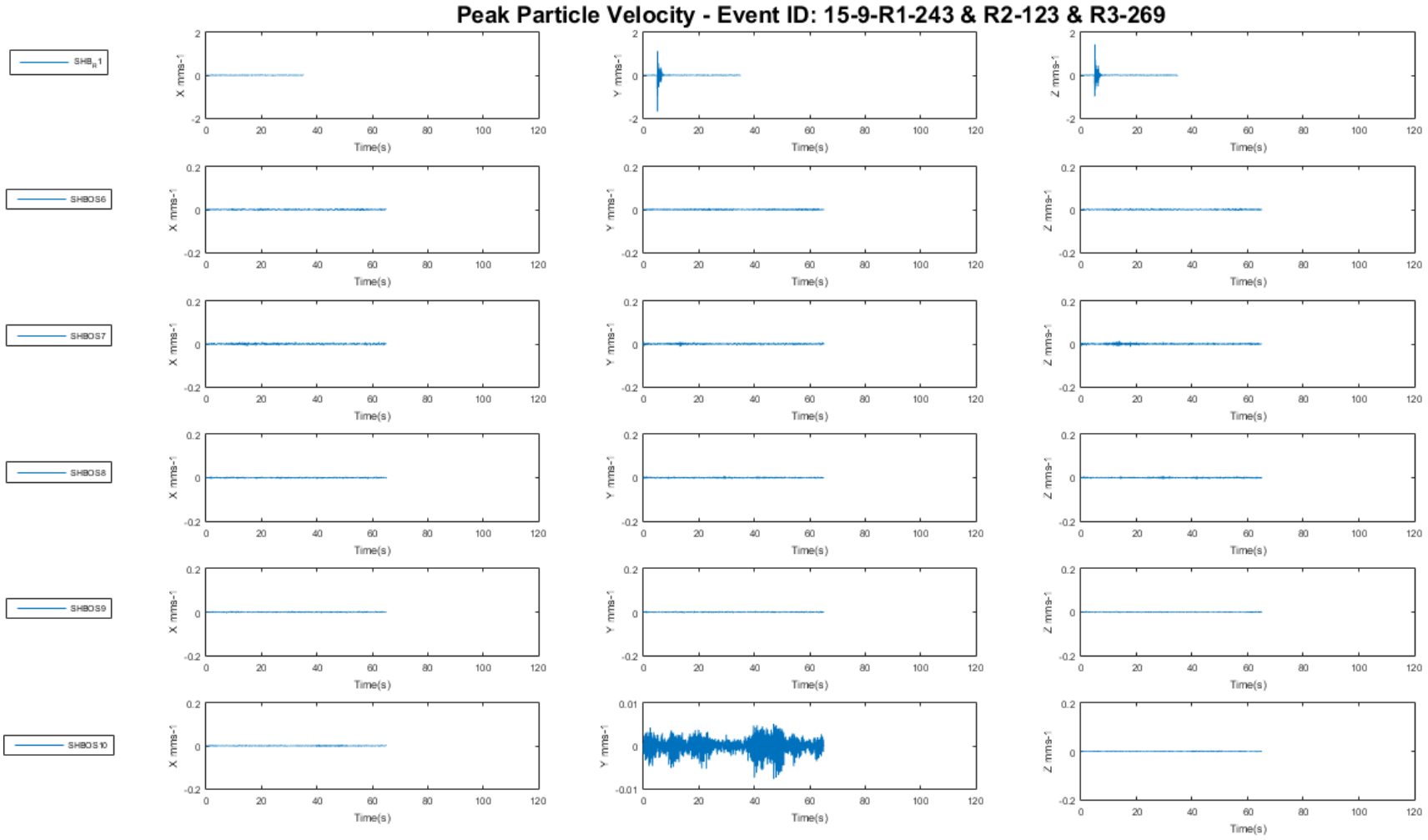


FIGURE 3.641: SHB_OS 6 - 10 15-9-R1-243 & R2-123 & R3-269

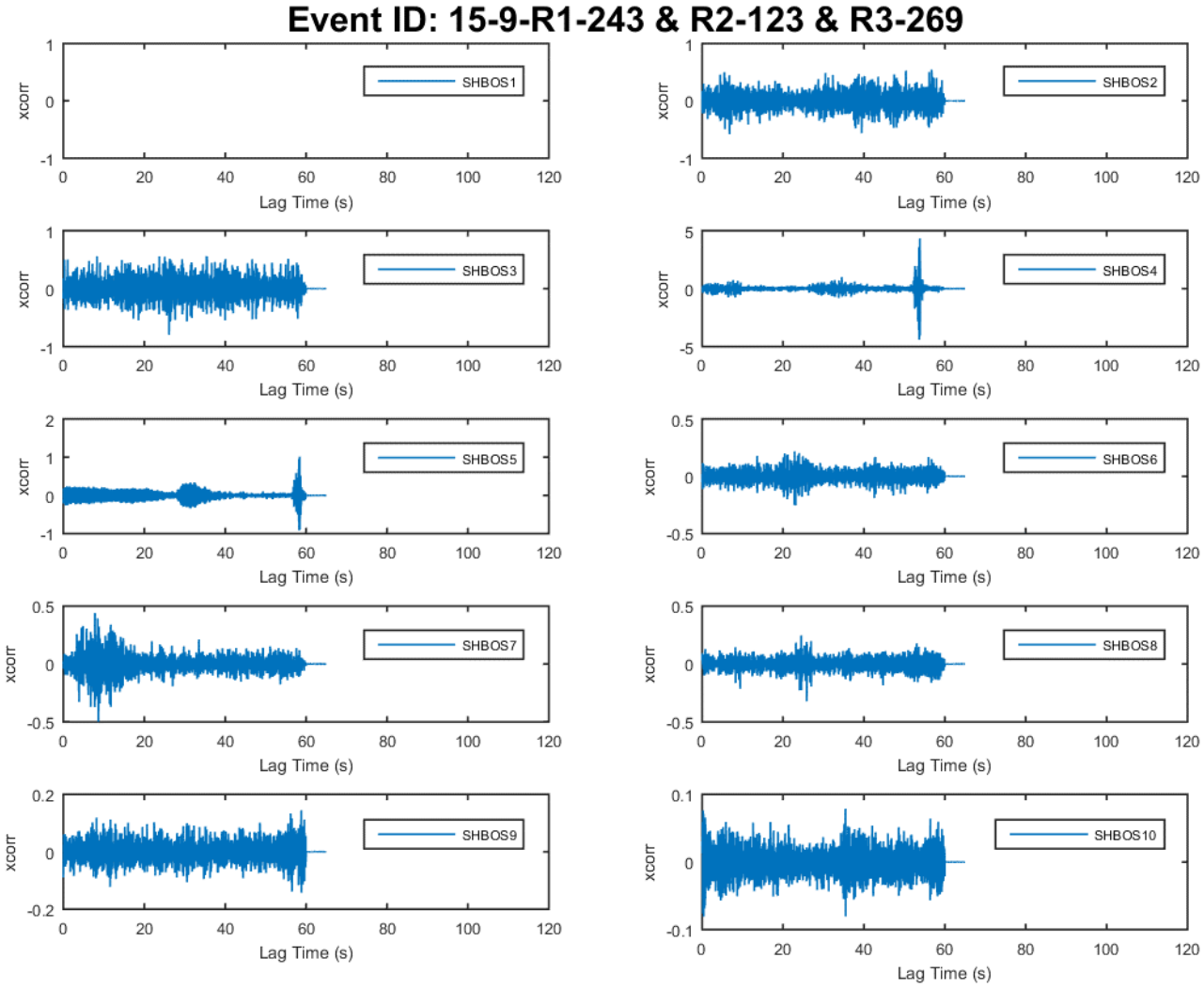


FIGURE 3.642: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-243 & R2-123 & R3-269

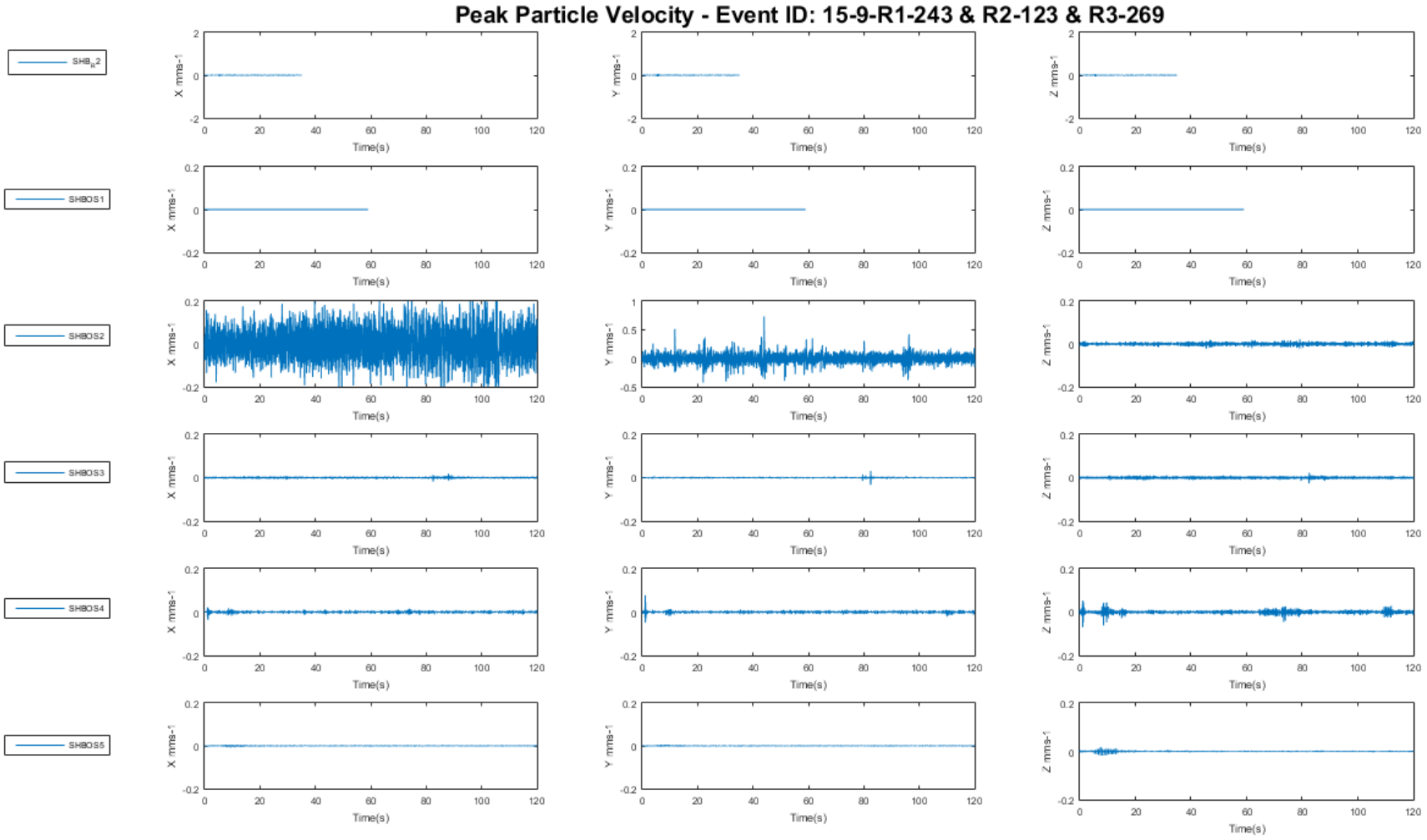


FIGURE 3.643: SHB_OS 1 - 5 15-9-R1-243 & R2-123 & R3-269

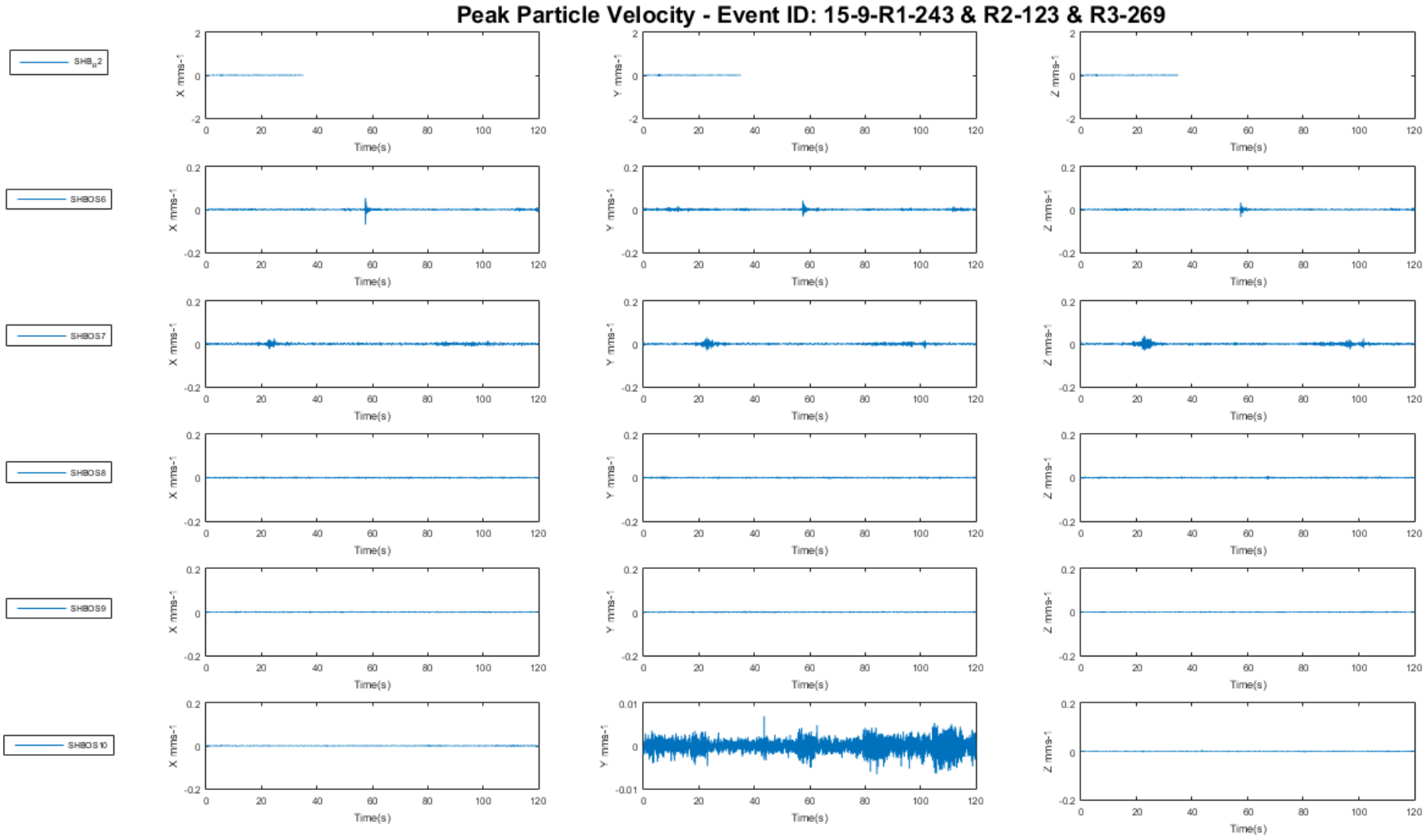


FIGURE 3.644: SHB_OS 6 - 10 15-9-R1-243 & R2-123 & R3-269

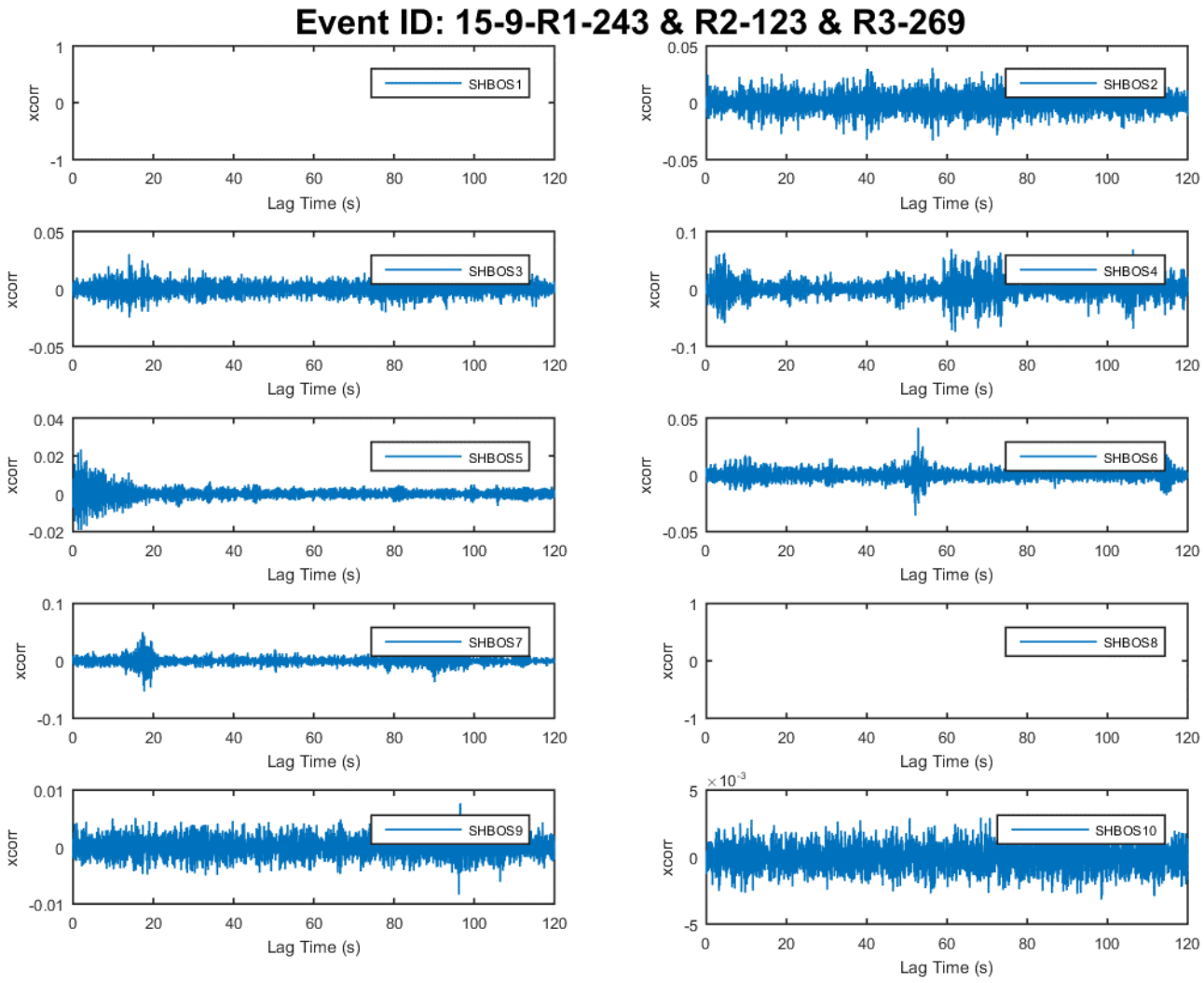


FIGURE 3.645: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-243 & R2-123 & R3-269

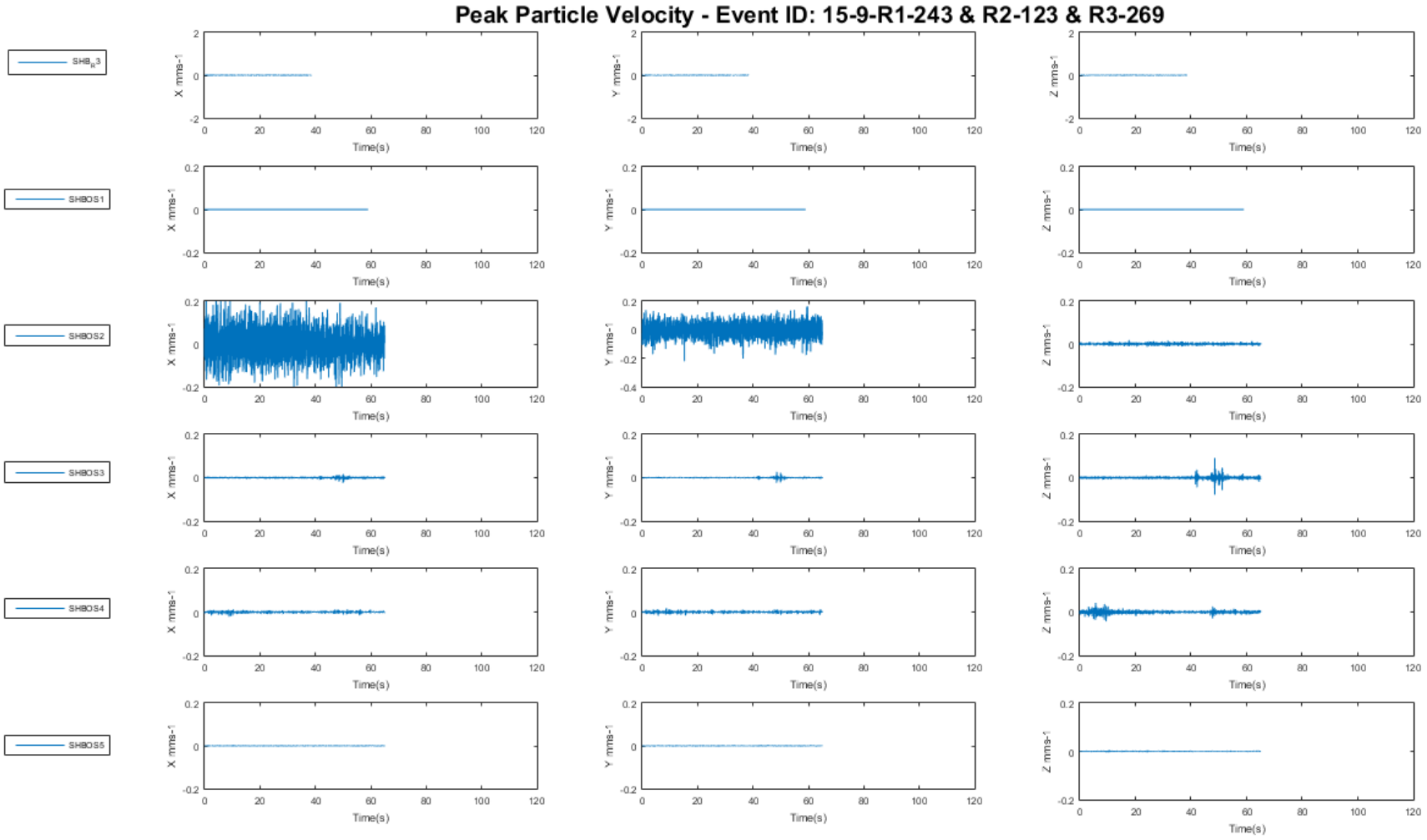


FIGURE 3.646: SHB_OS 1 - 5 15-9-R1-243 & R2-123 & R3-269

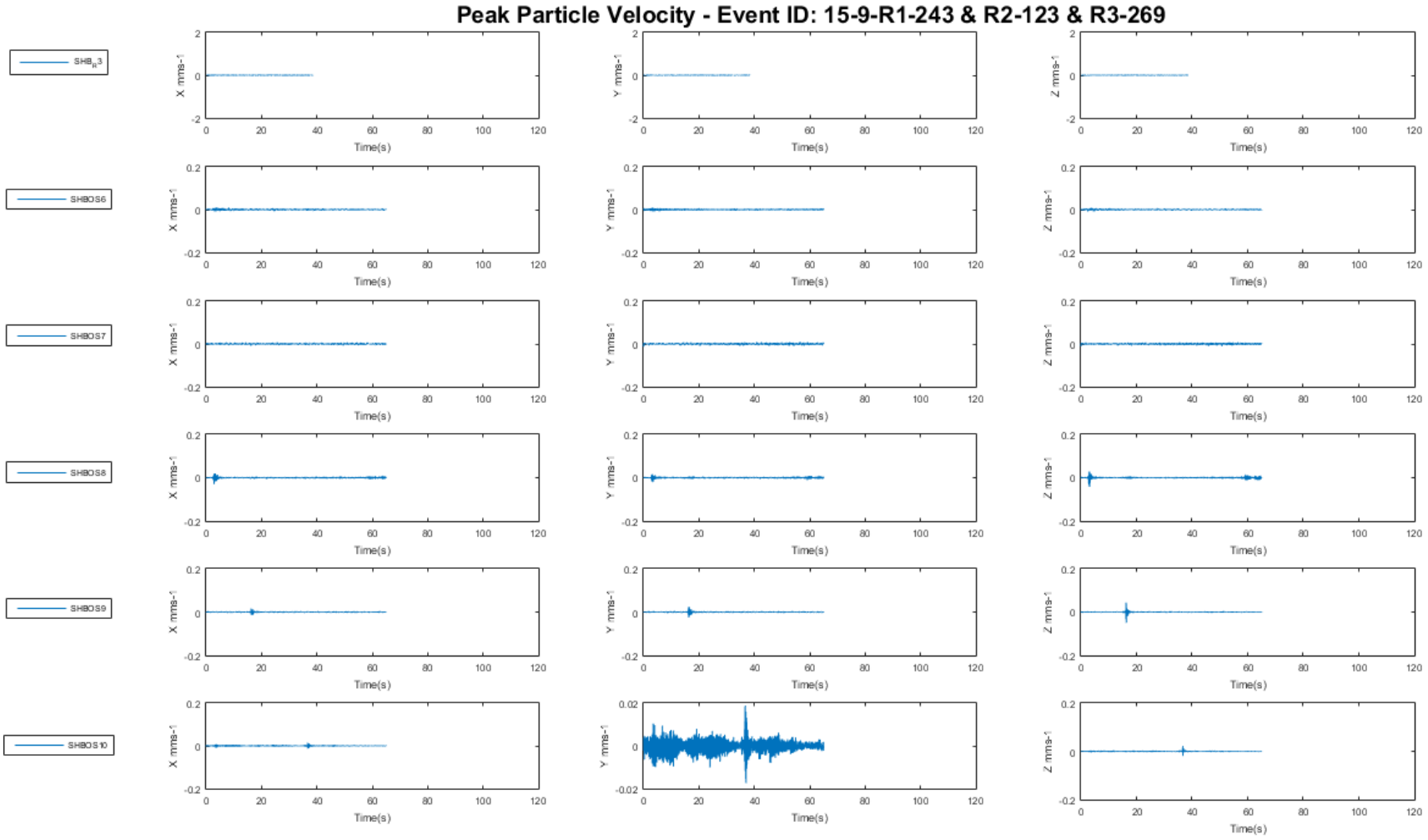


FIGURE 3.647: SHB_OS 6 - 10 15-9-R1-243 & R2-123 & R3-269

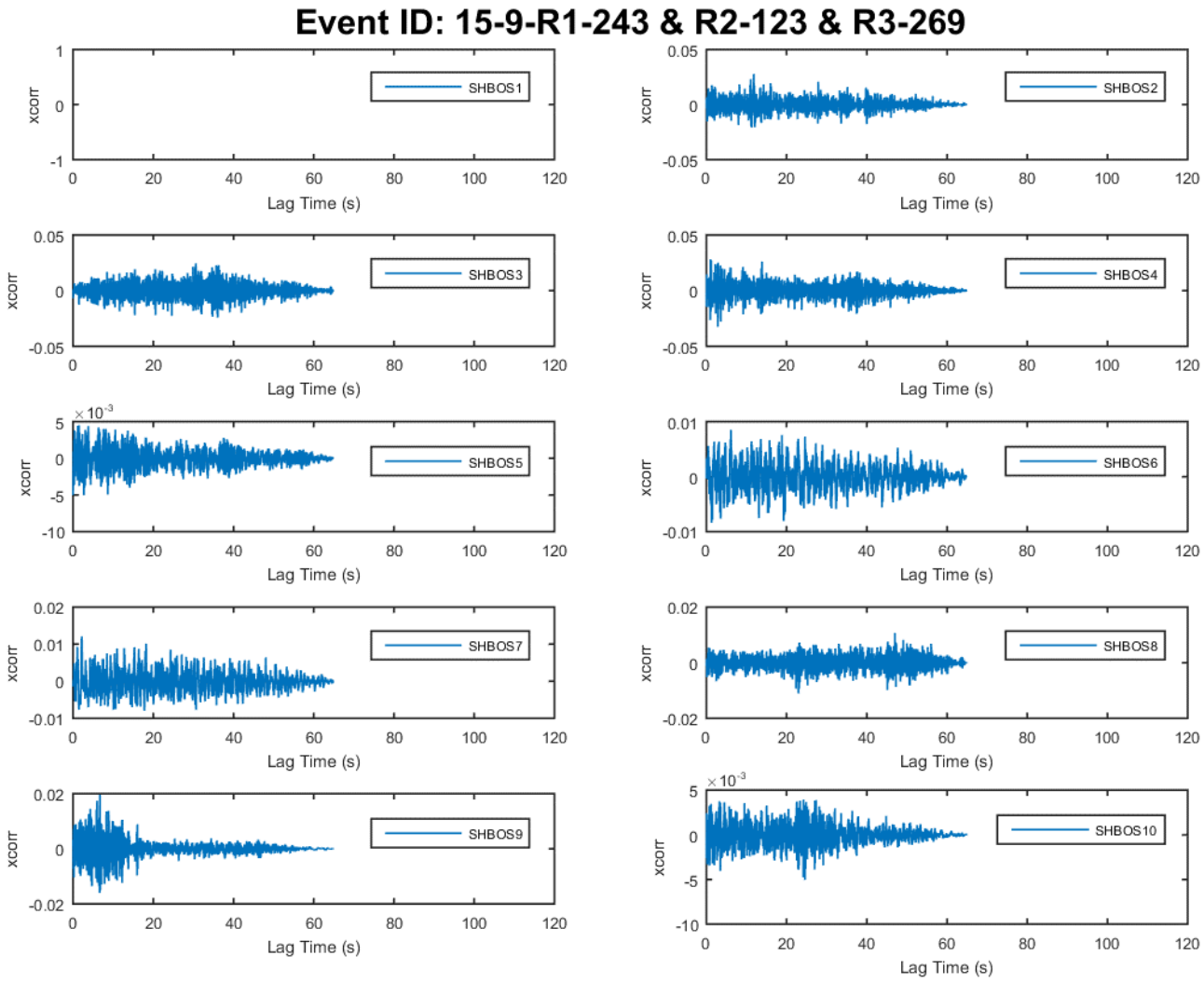


FIGURE 3.648: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-243 & R2-123 & R3-269

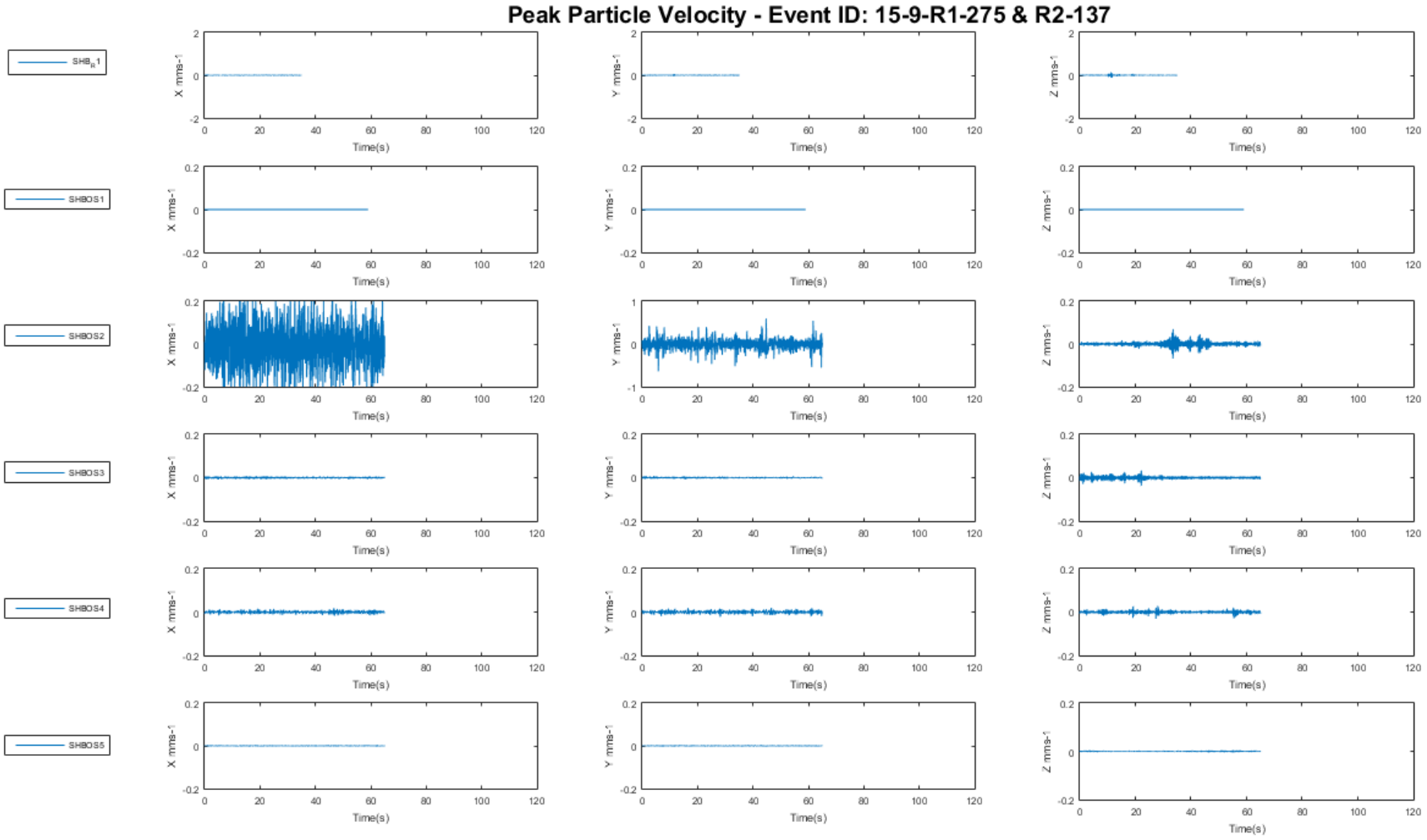


FIGURE 3.649: SHB_OS 1 - 5 15-9-R1-275 & R2-137

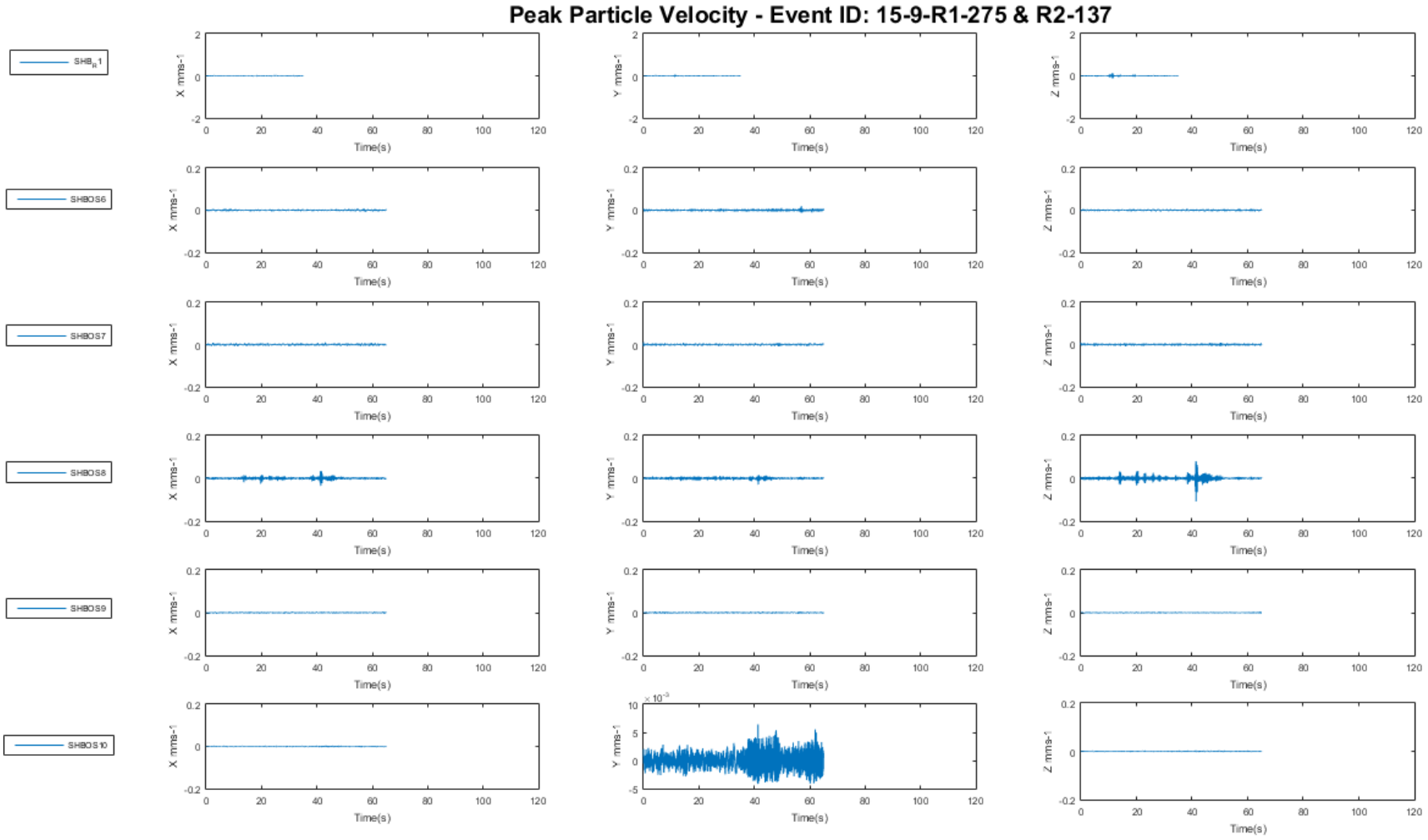


FIGURE 3.650: SHB_OS 6 - 10 15-9-R1-275 & R2-137

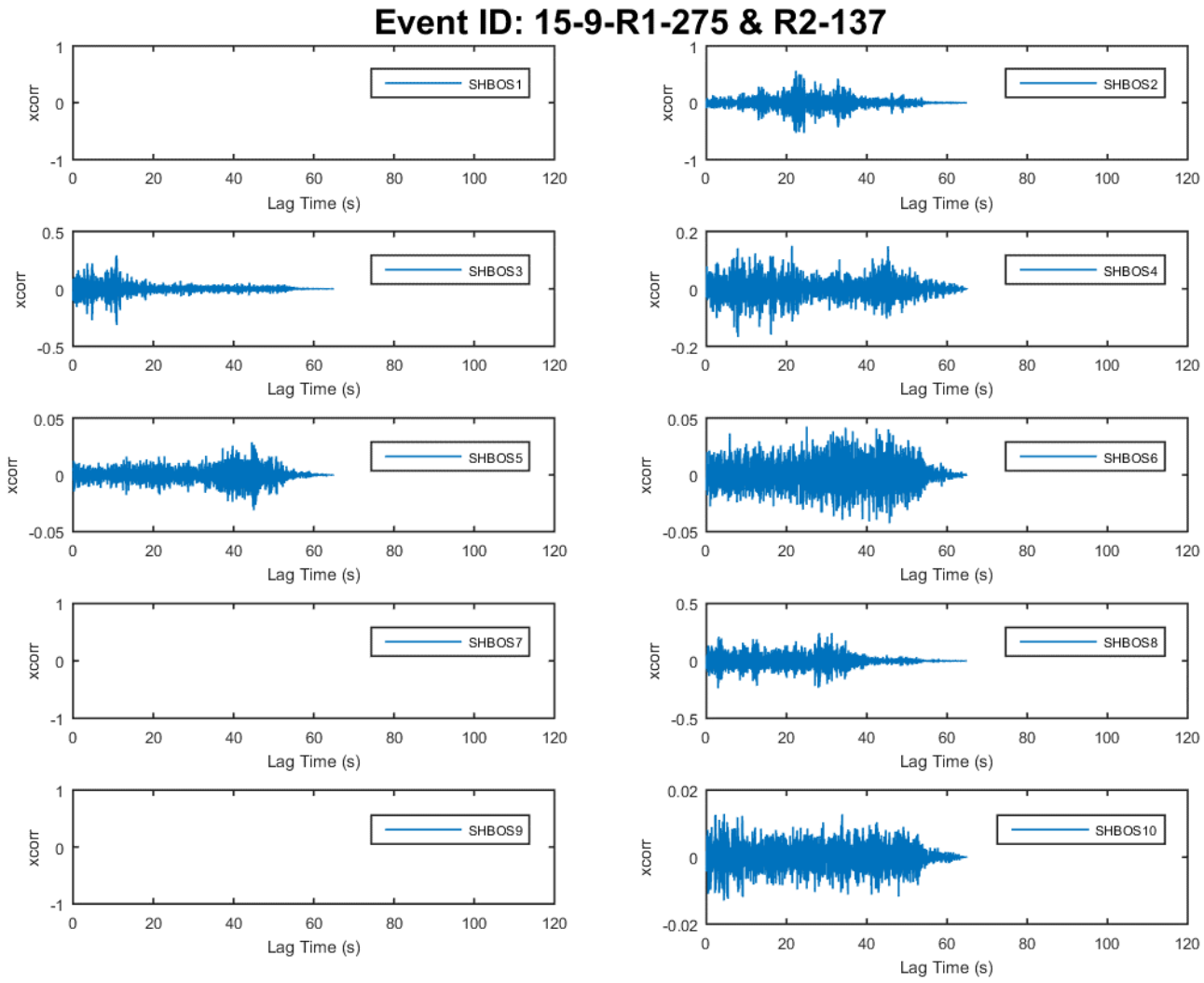


FIGURE 3.651: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-275 & R2-137

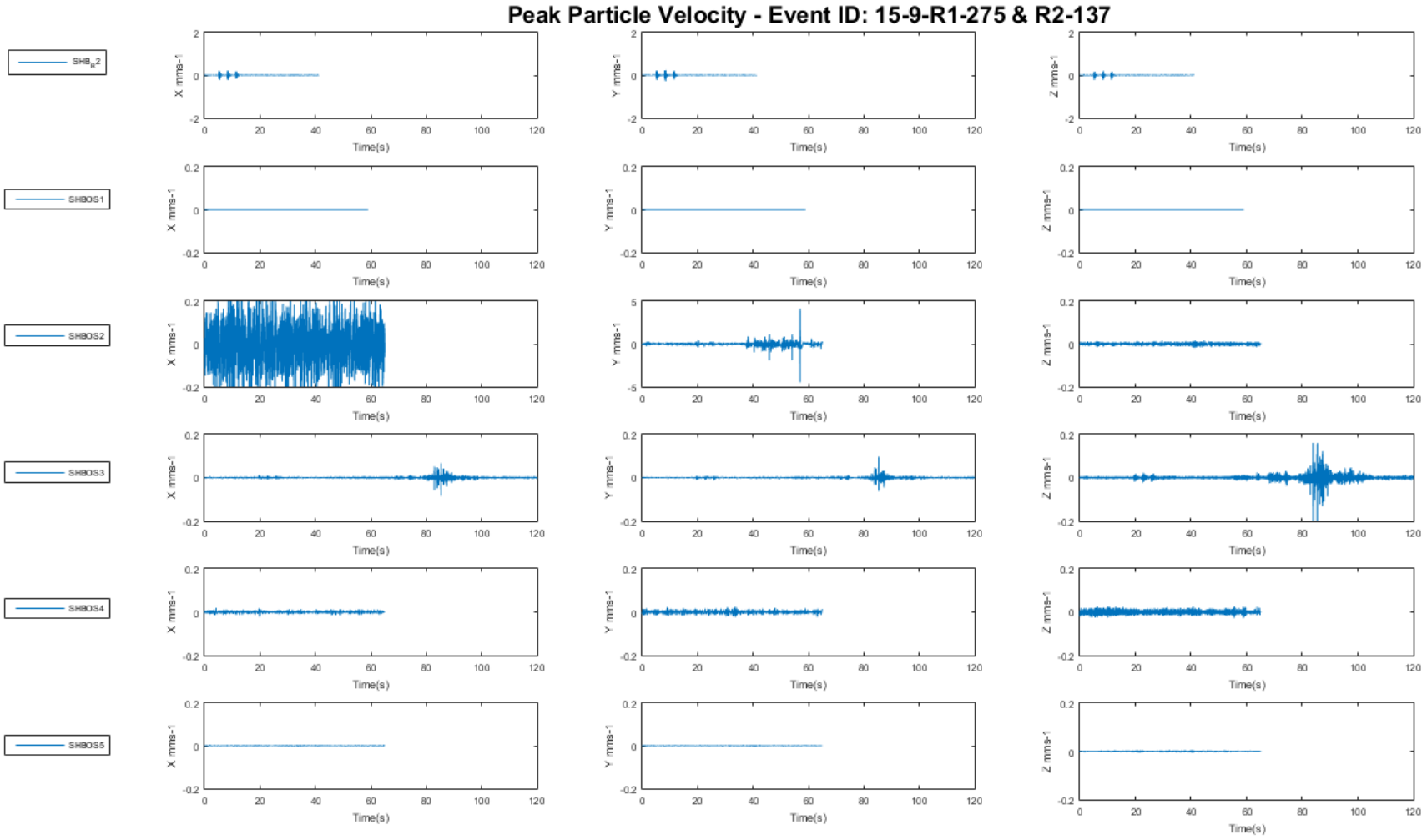


FIGURE 3.652: SHB_OS 1 - 5 15-9-R1-275 & R2-137

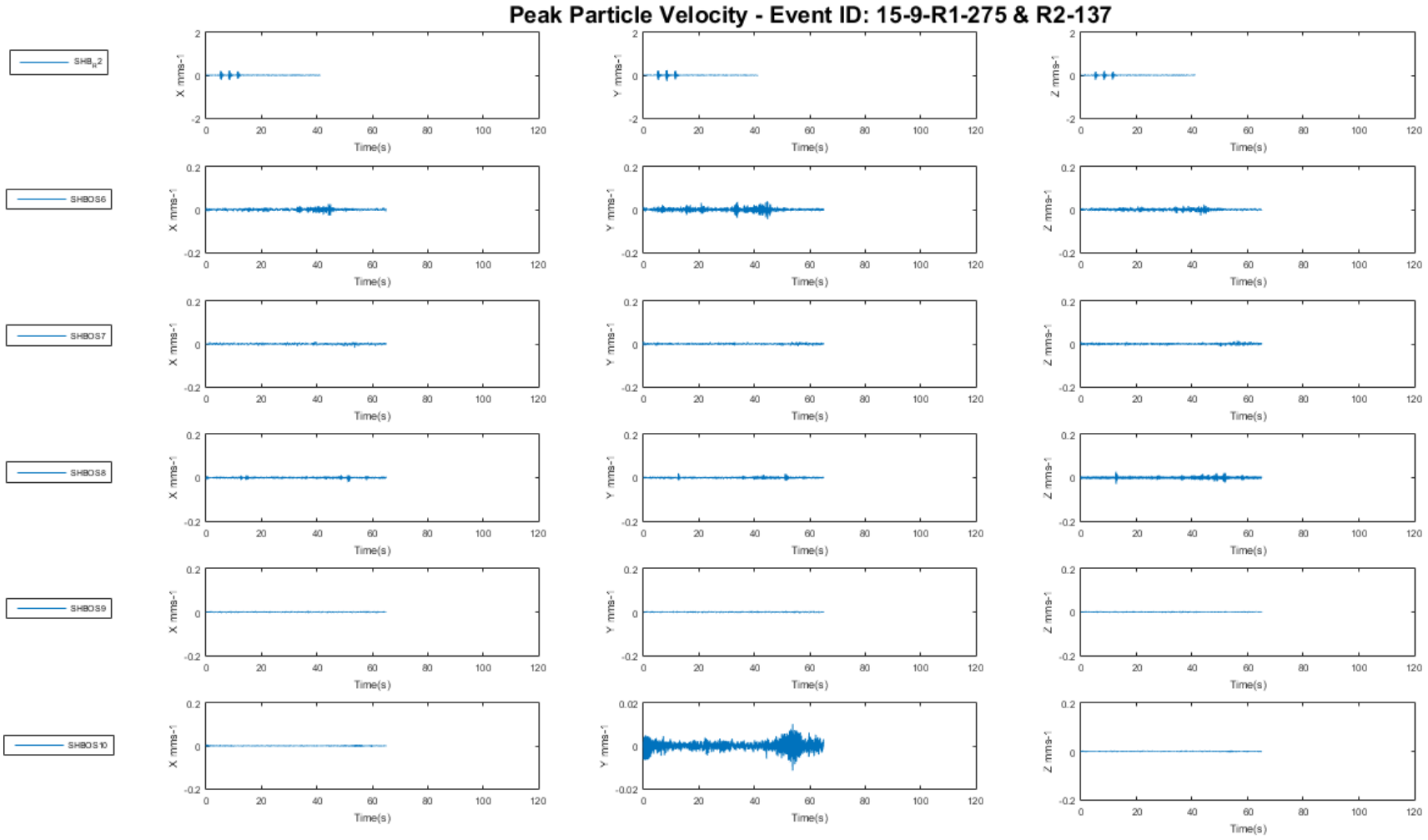


FIGURE 3.653: SHB_OS 6 - 10 15-9-R1-275 & R2-137

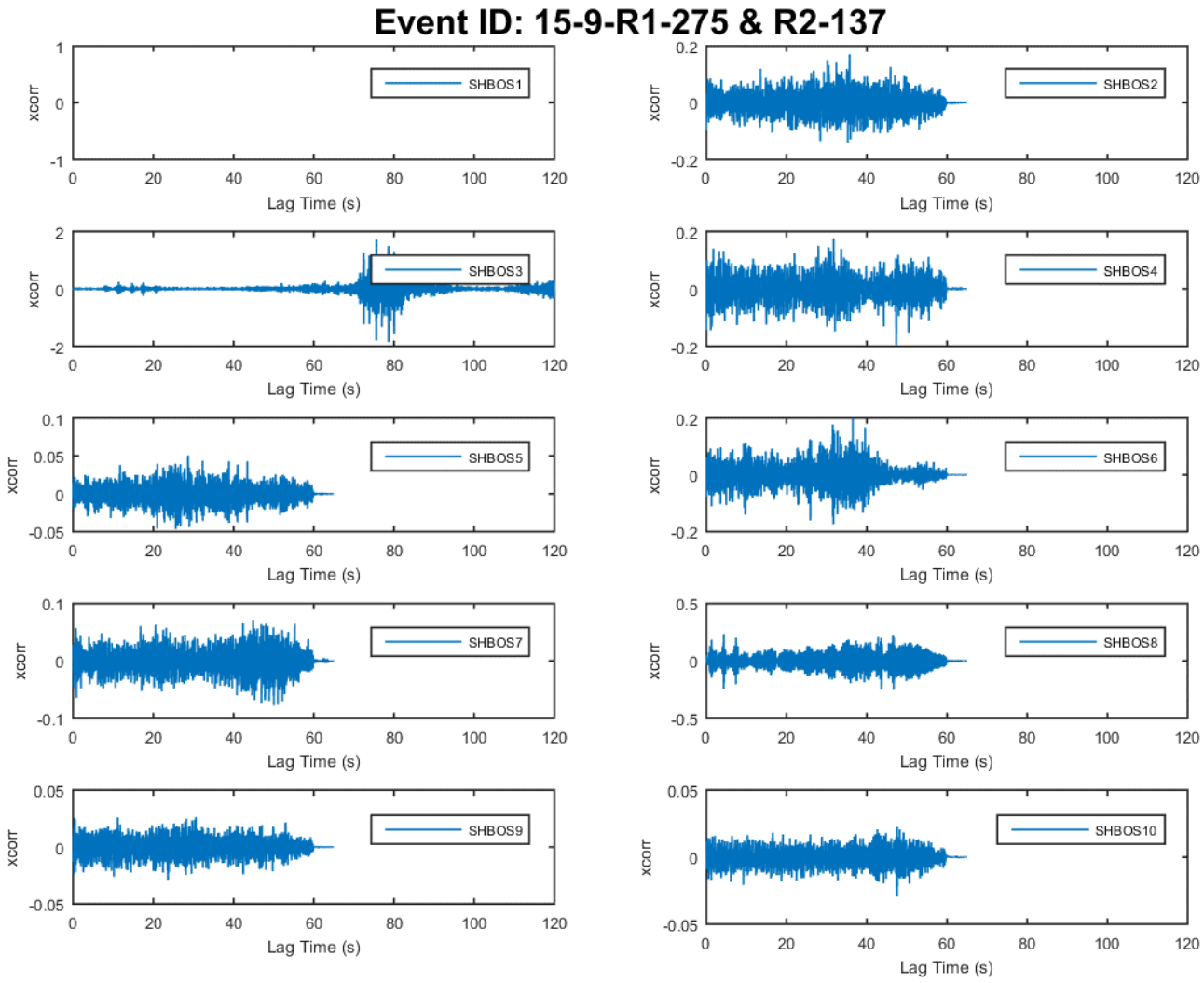


FIGURE 3.654: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-275 & R2-137

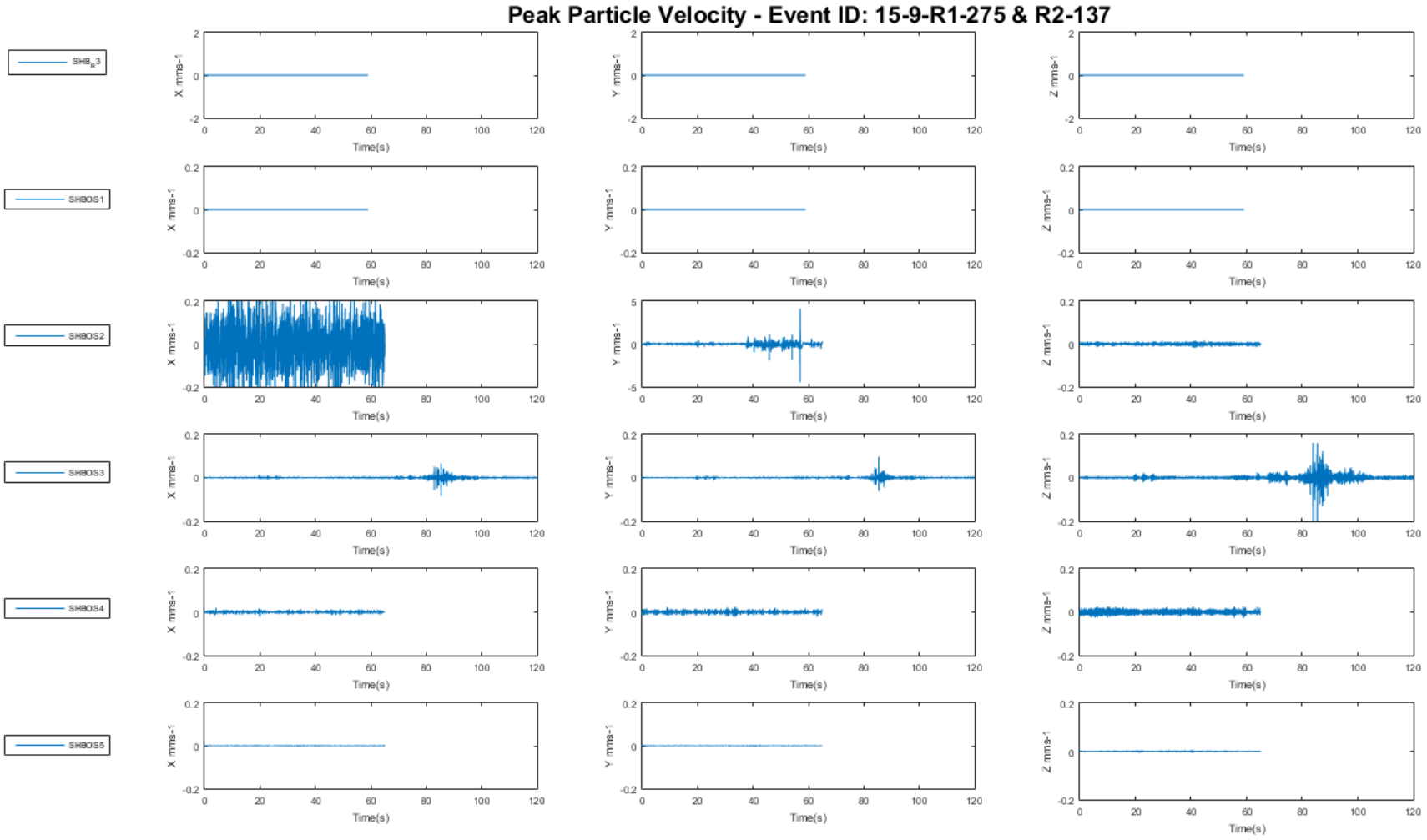


FIGURE 3.655: SHB_OS 1 - 5 15-9-R1-275 & R2-137

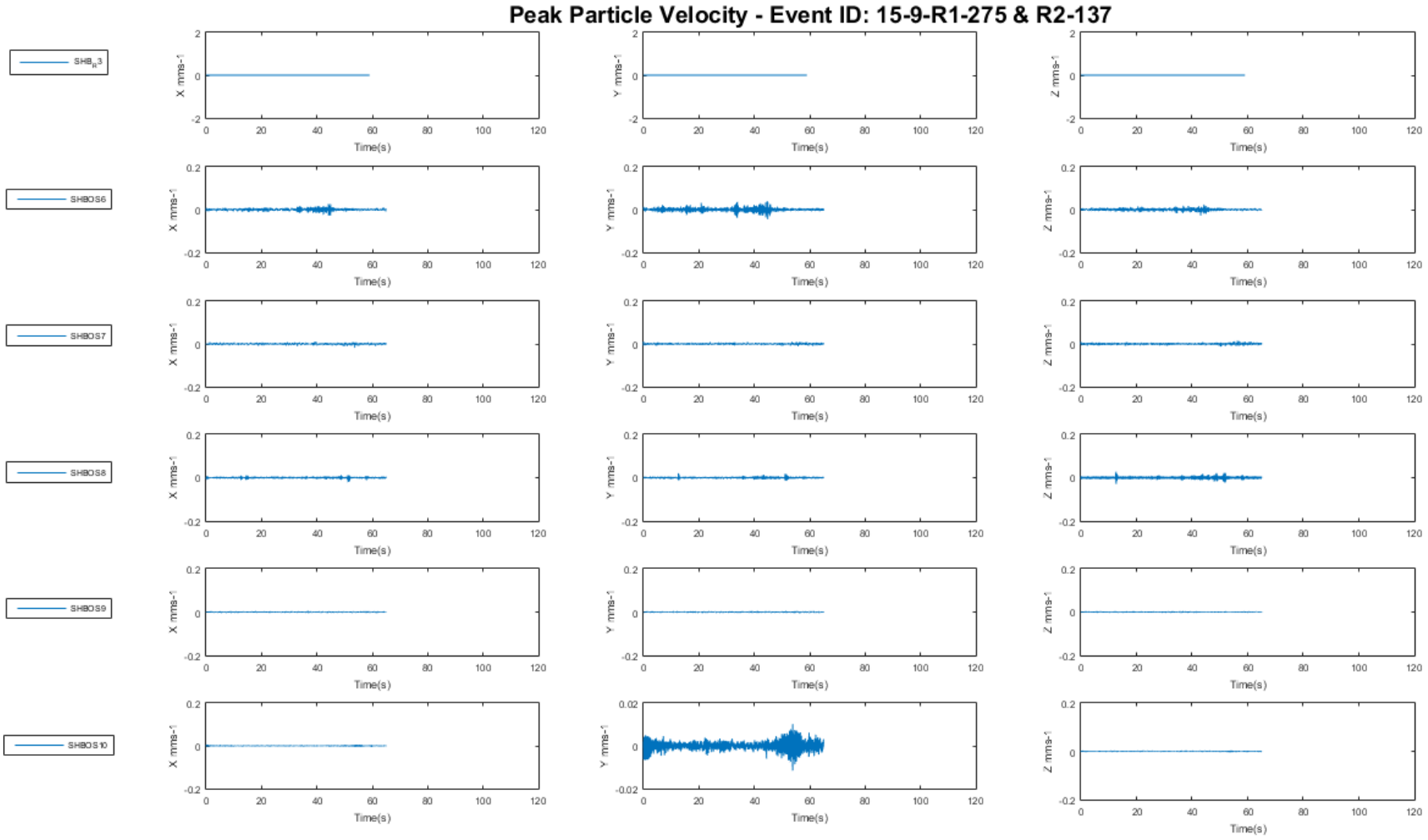


FIGURE 3.656: SHB_OS 6 - 10 15-9-R1-275 & R2-137

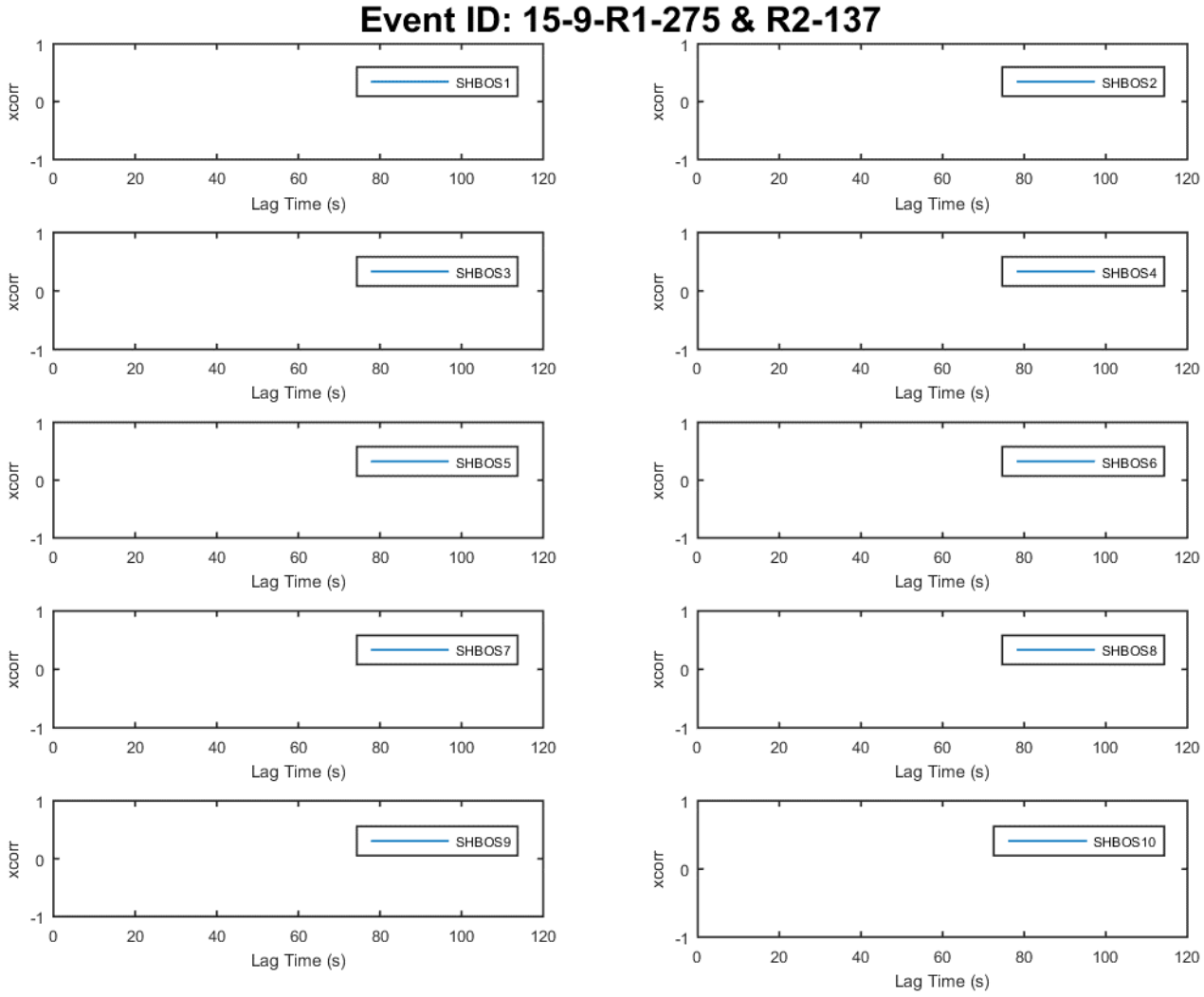


FIGURE 3.657: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-275 & R2-137

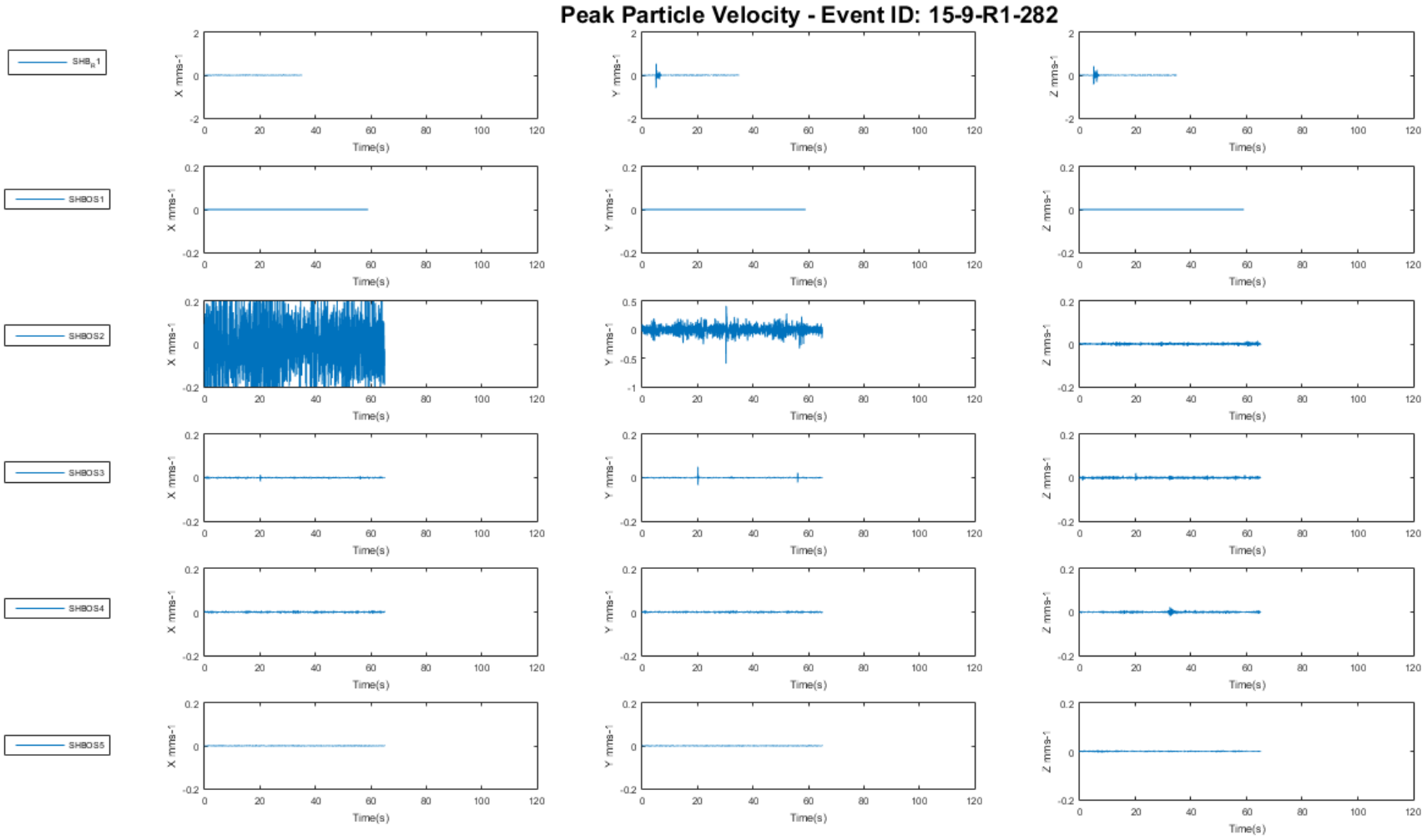


FIGURE 3.658: SHB_OS 1 - 5 15-9-R1-282

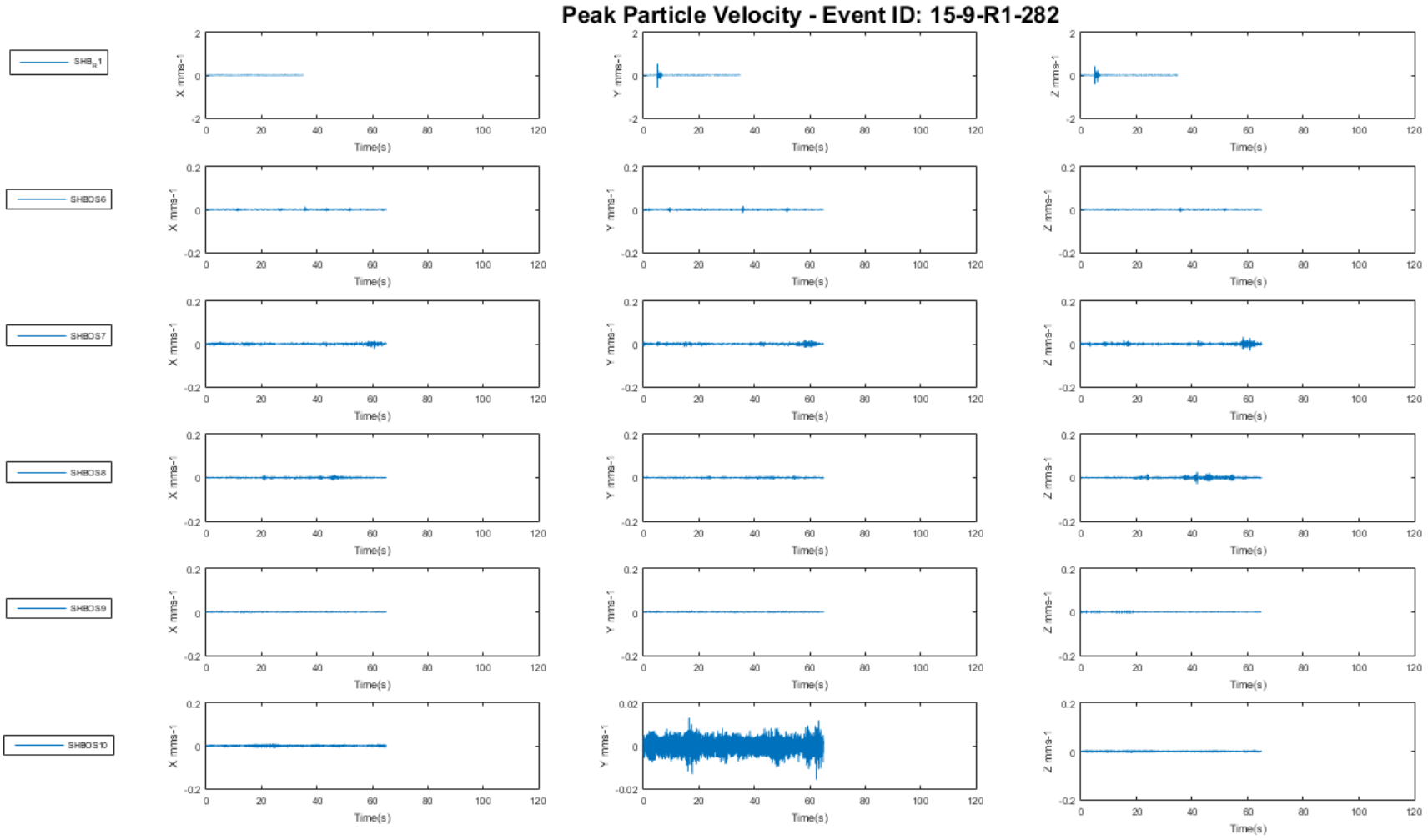


FIGURE 3.659: SHB_OS 6 - 10 15-9-R1-282

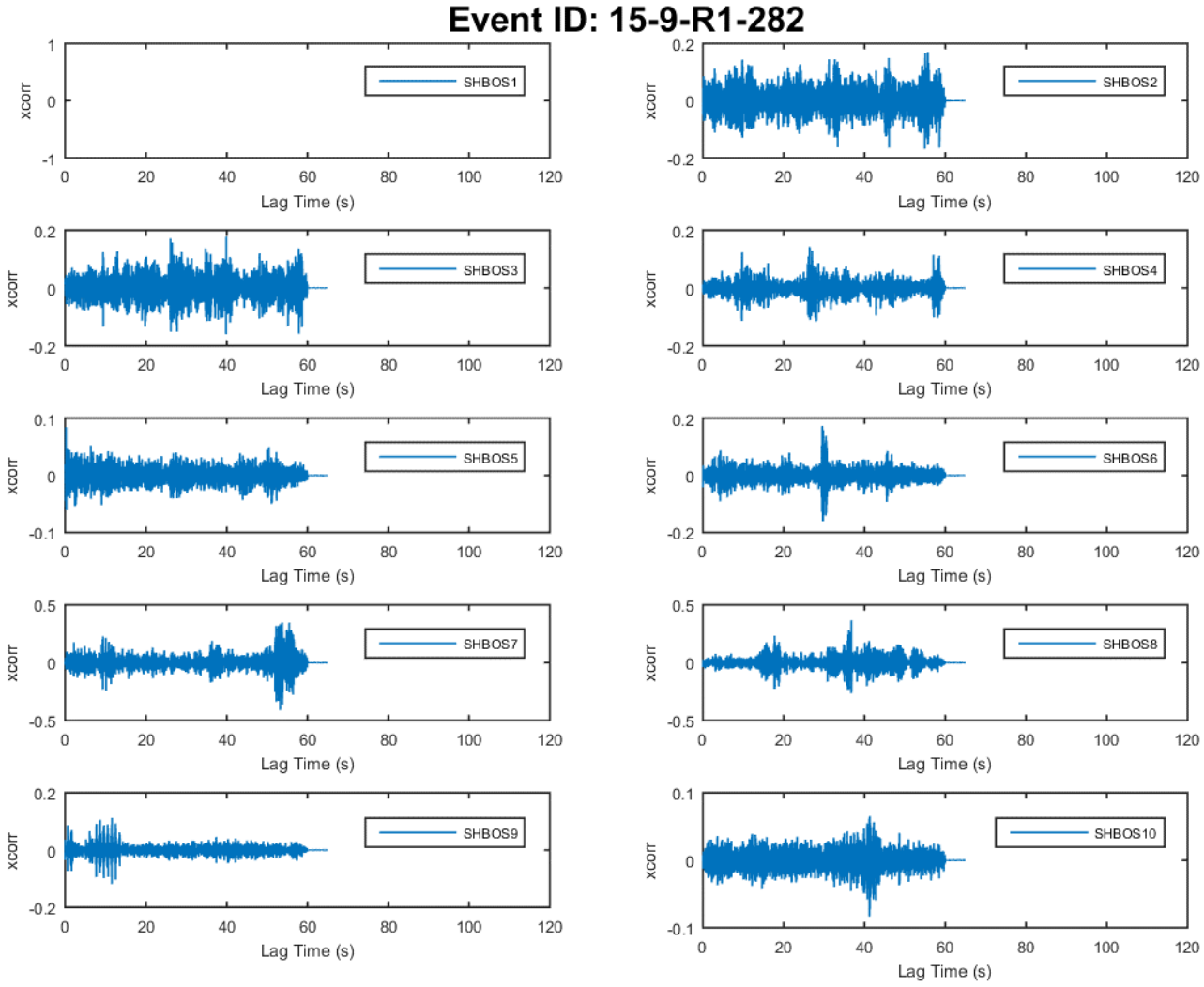


FIGURE 3.660: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-282

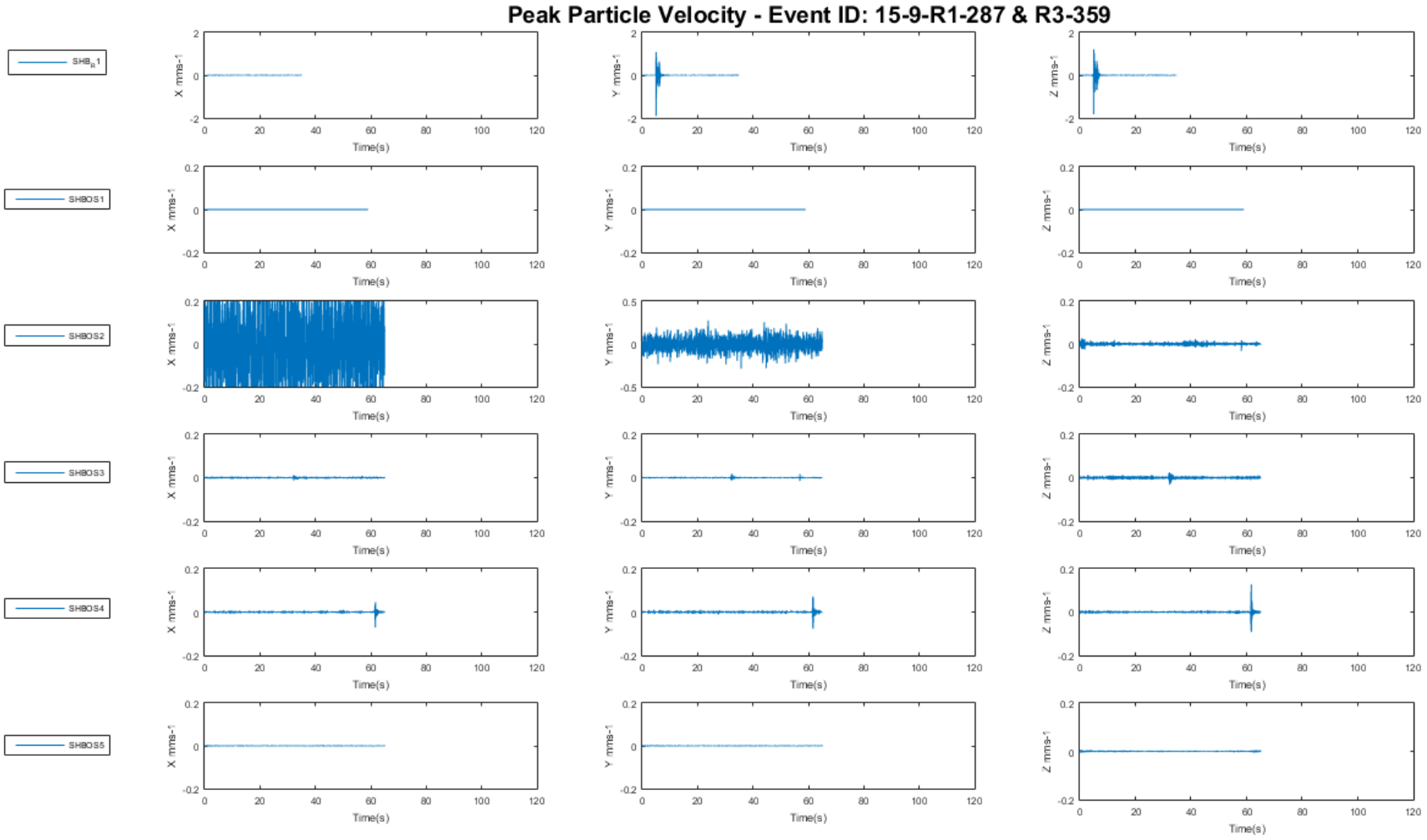


FIGURE 3.661: SHB_OS 1 - 5 15-9-R1-287 & R3-359

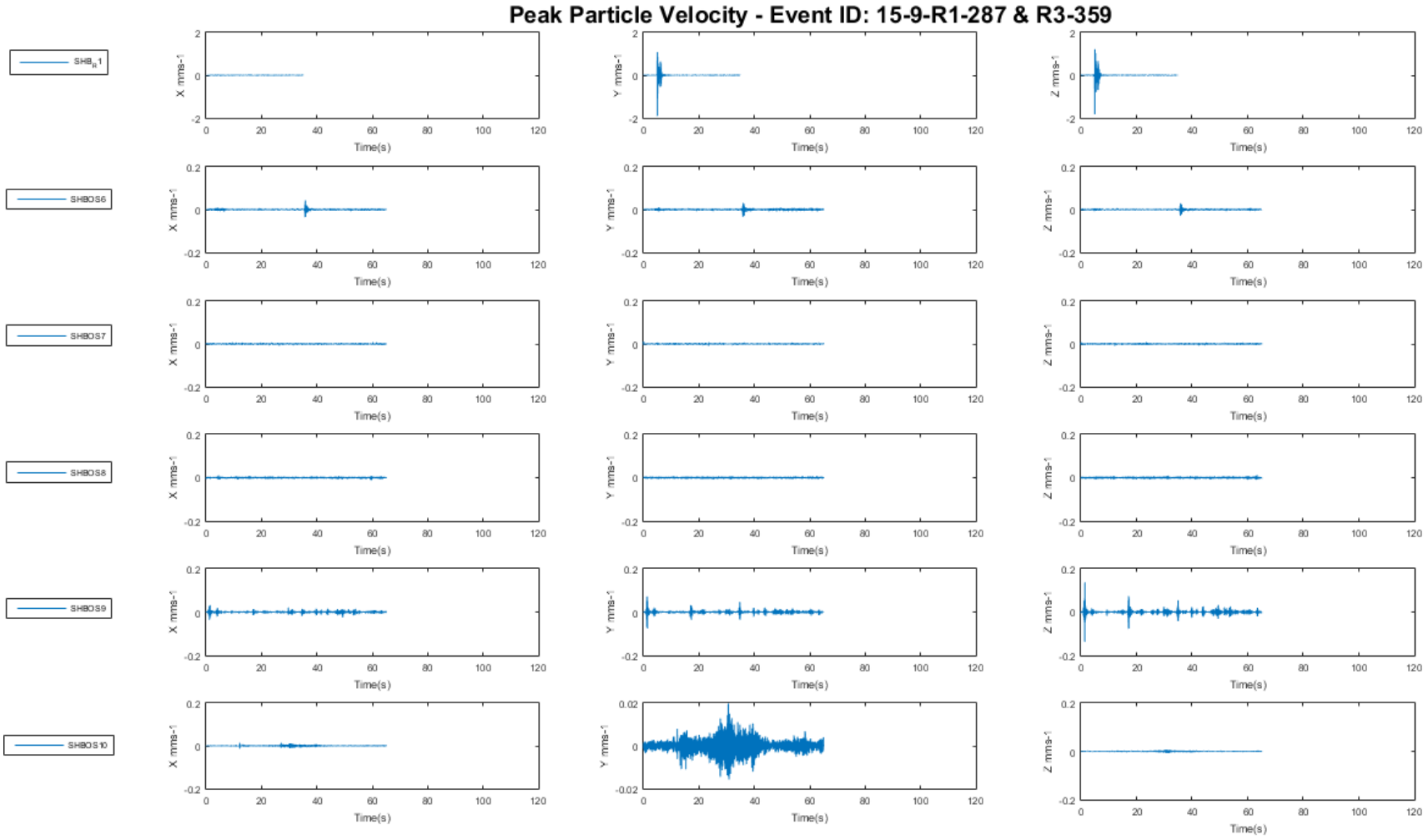


FIGURE 3.662: SHB_OS 6 - 10 15-9-R1-287 & R3-359

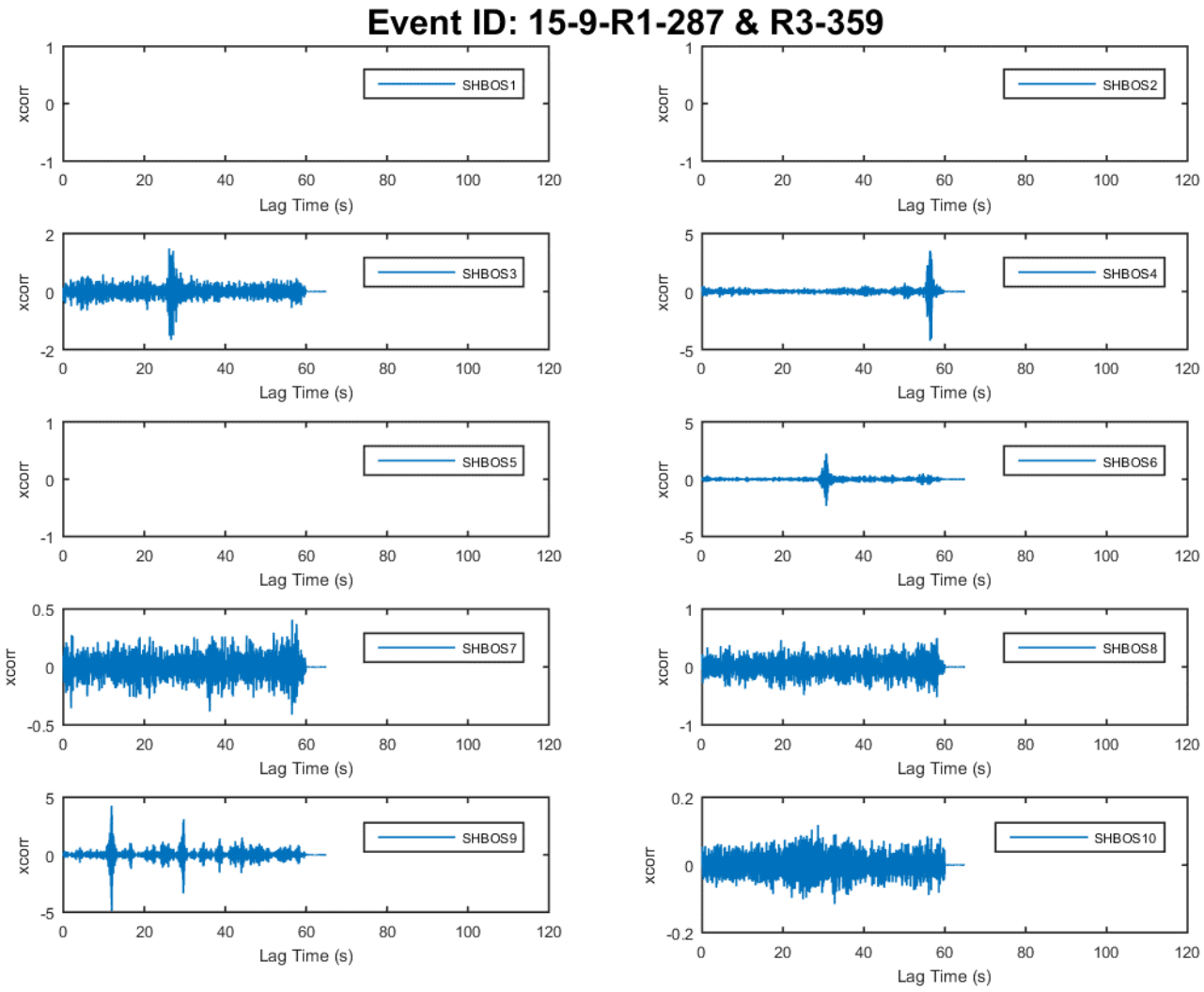


FIGURE 3.663: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-287 & R3-359

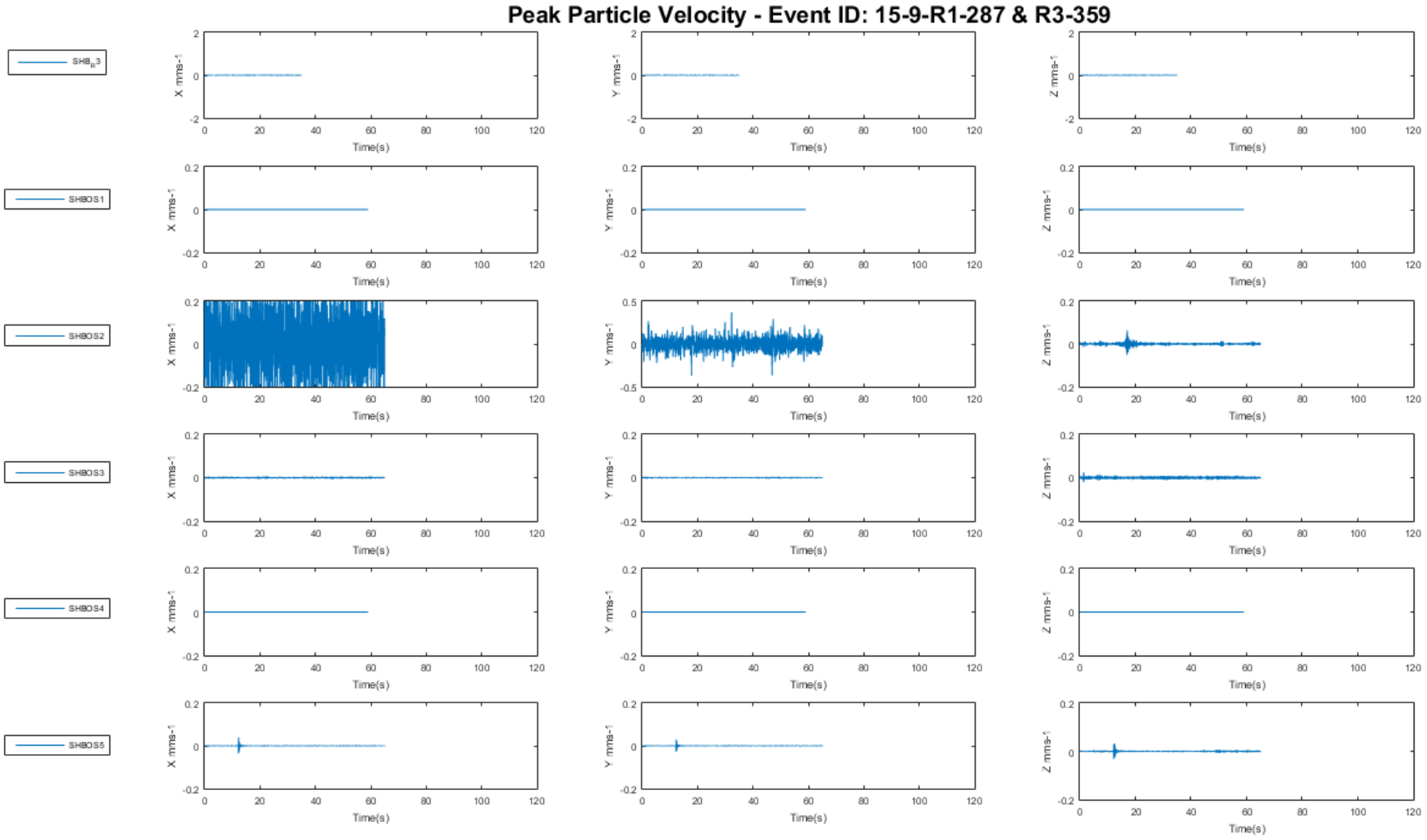


FIGURE 3.664: SHB_OS 1 - 5 15-9-R1-287 & R3-359

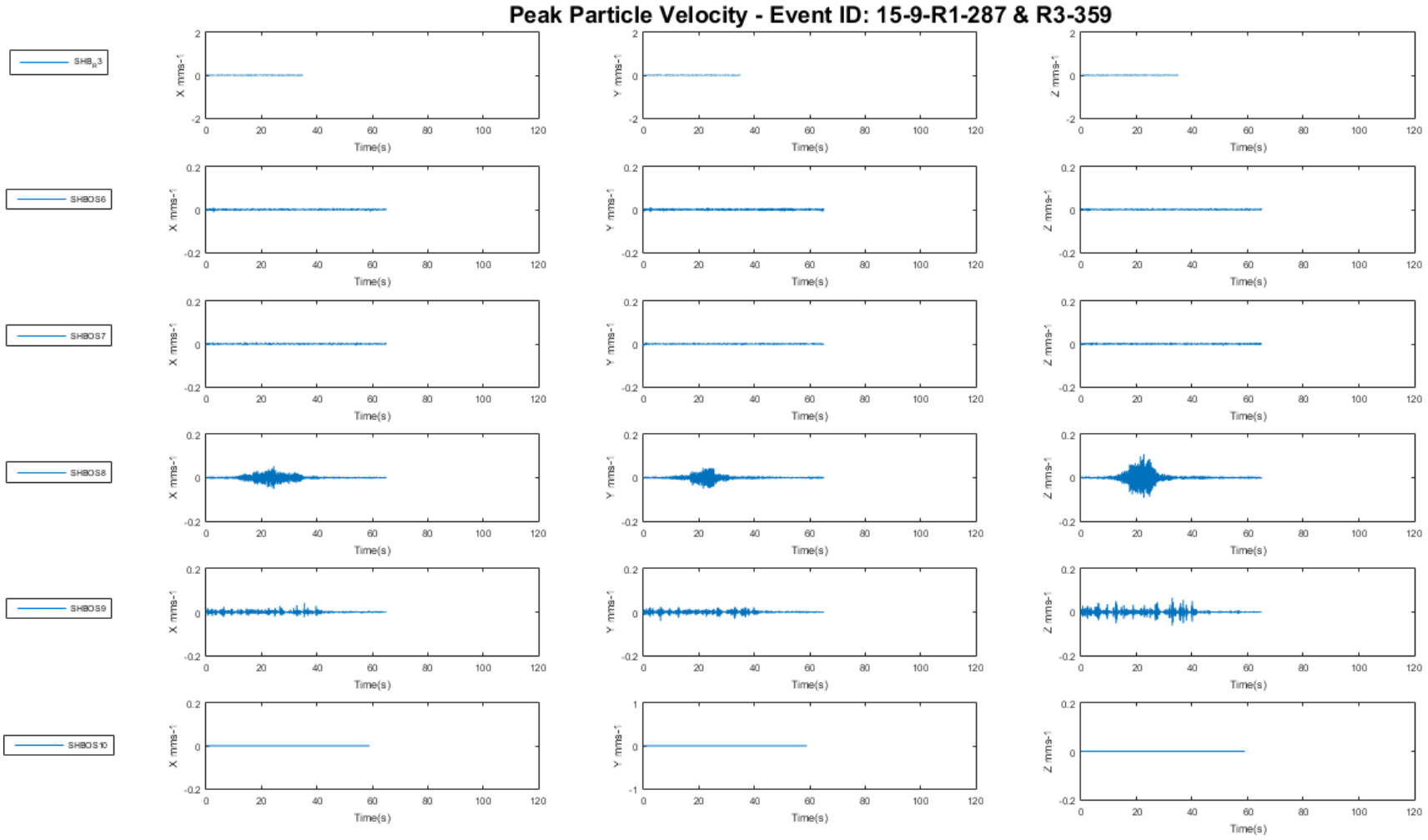


FIGURE 3.665: SHB_OS 6 - 10 15-9-R1-287 & R3-359

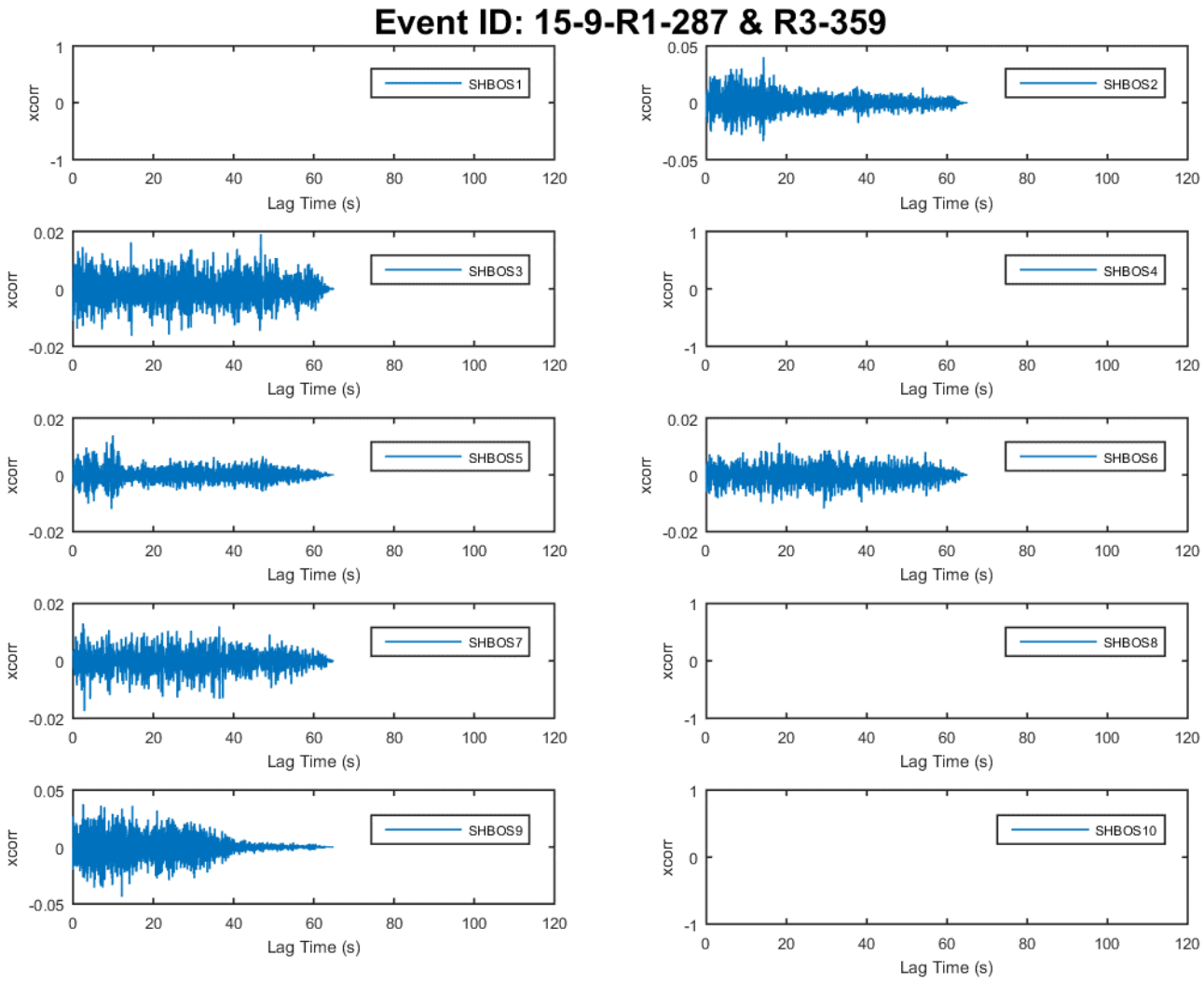


FIGURE 3.666: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-287 & R3-359

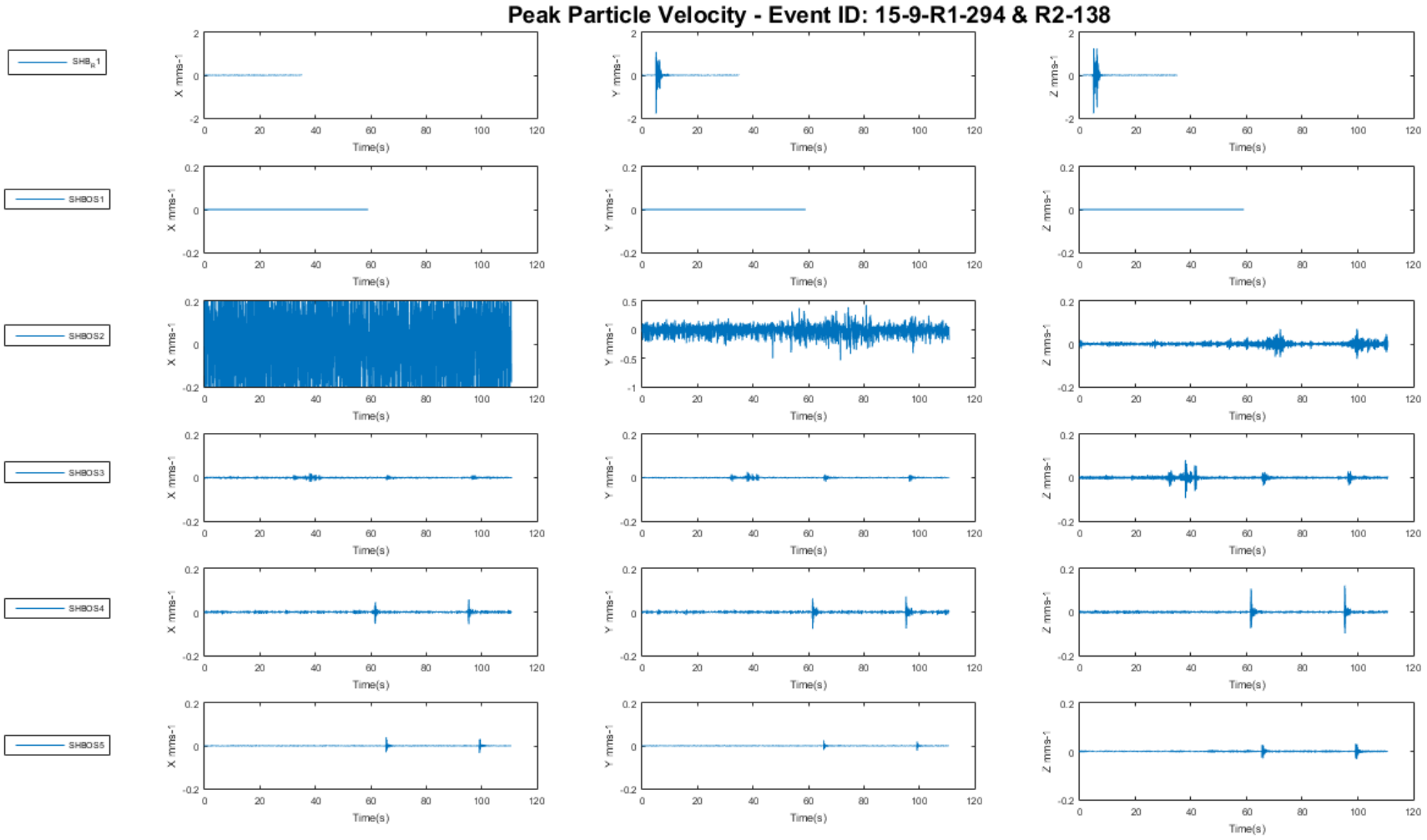


FIGURE 3.667: SHB_OS 1 - 5 15-9-R1-294 & R2-138

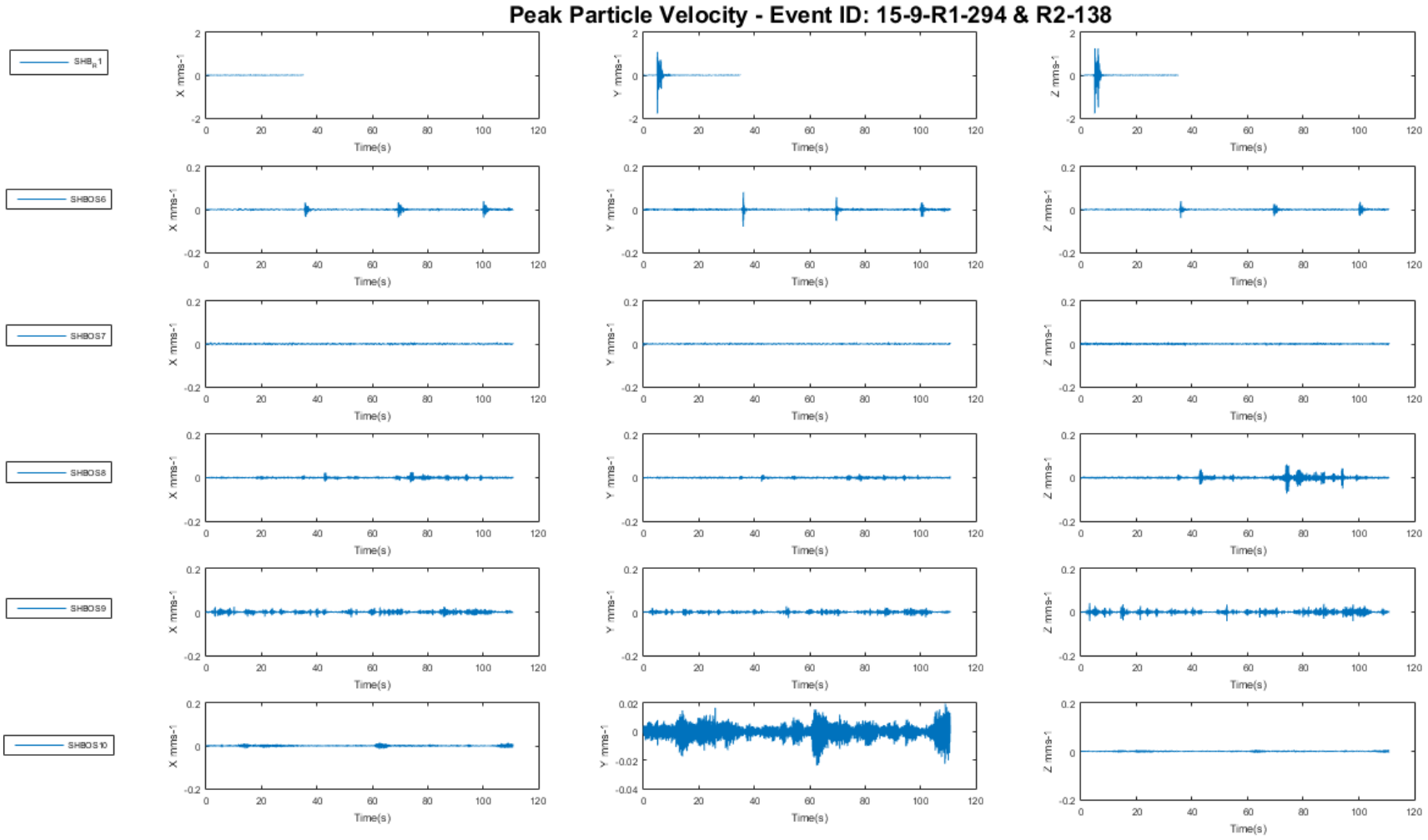


FIGURE 3.668: SHB_OS 6 - 10 15-9-R1-294 & R2-138

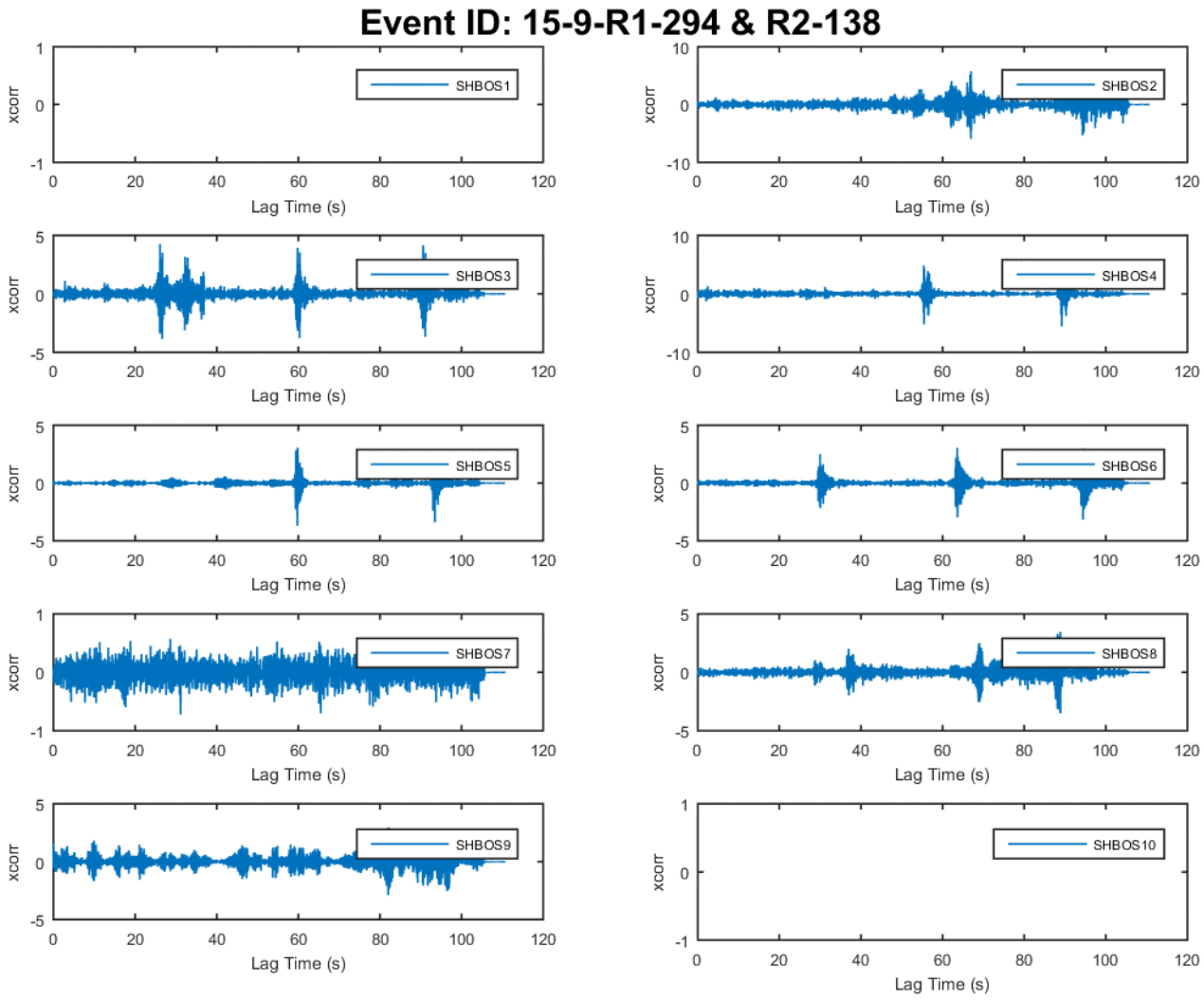


FIGURE 3.669: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-294 & R2-138

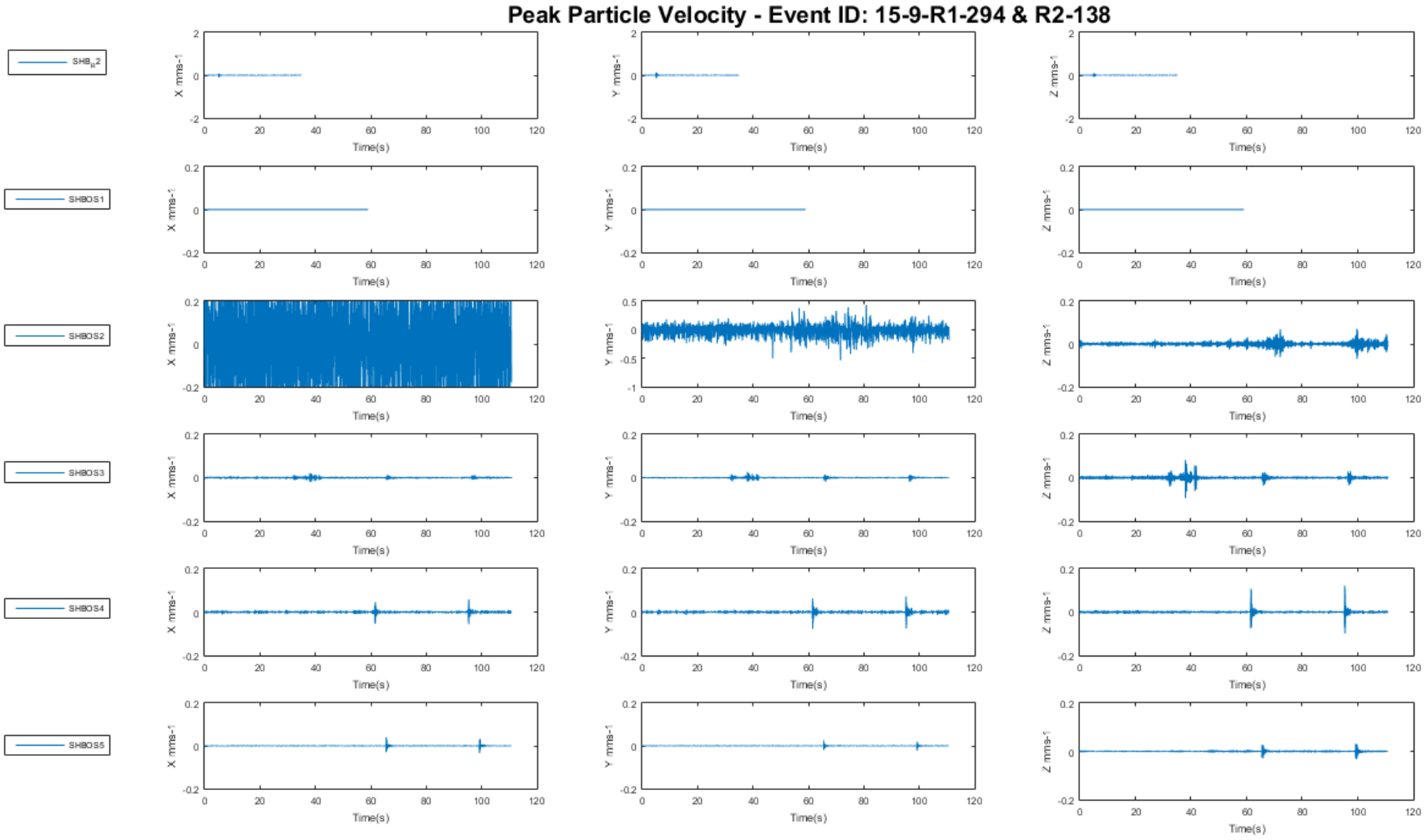


FIGURE 3.670: SHB_OS 1 - 5 15-9-R1-294 & R2-138

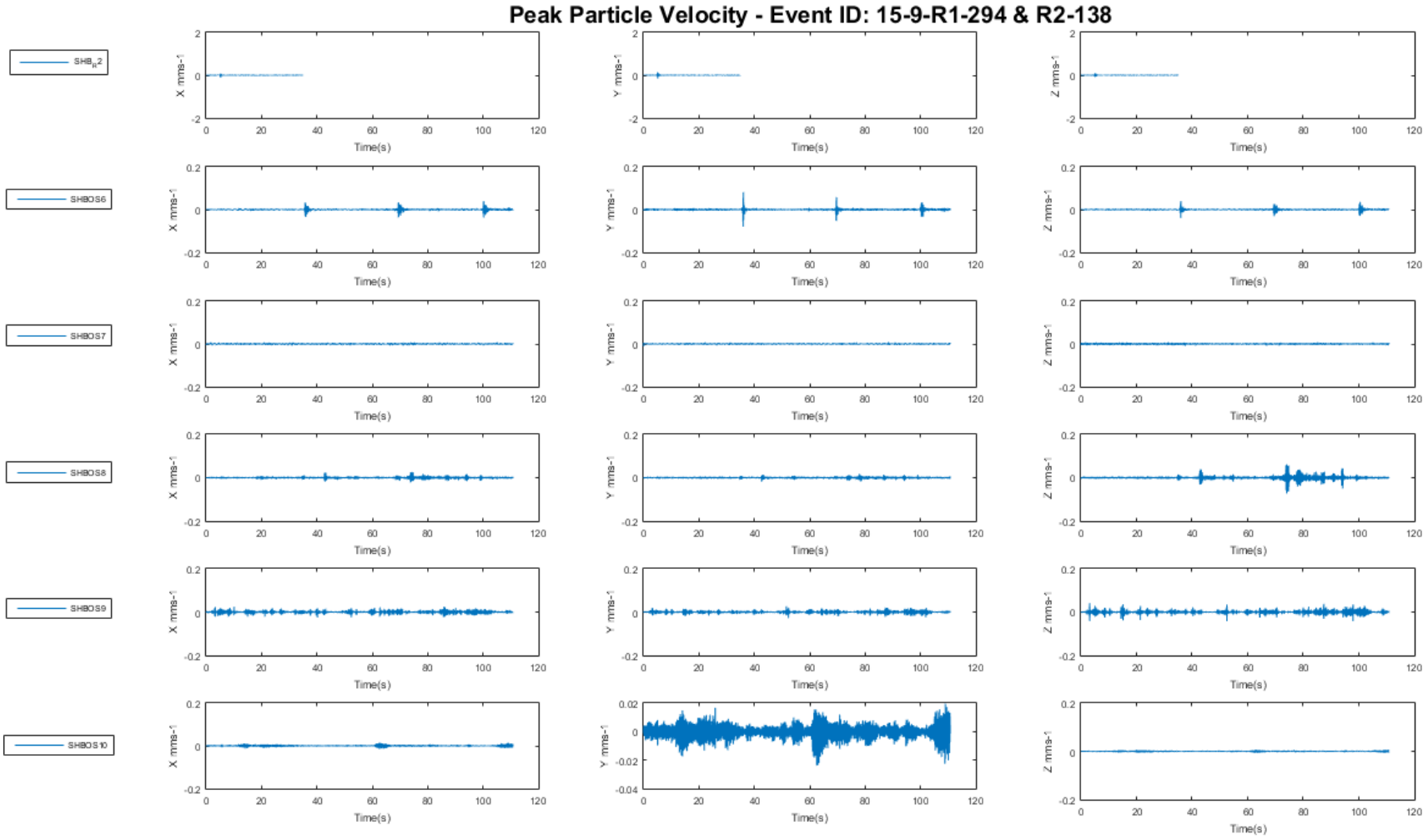


FIGURE 3.671: SHB_OS 6 - 10 15-9-R1-294 & R2-138

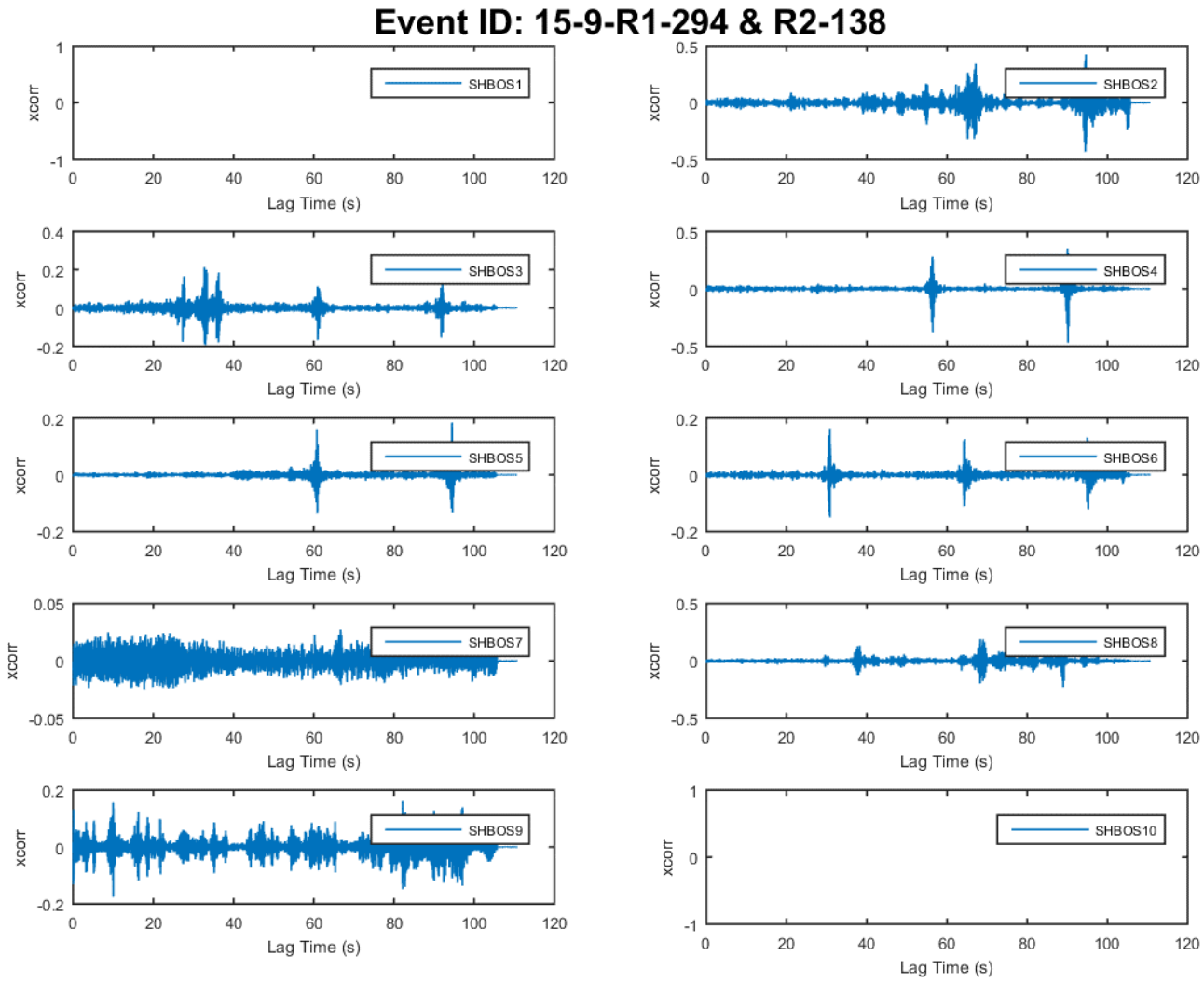


FIGURE 3.672: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-294 & R2-138

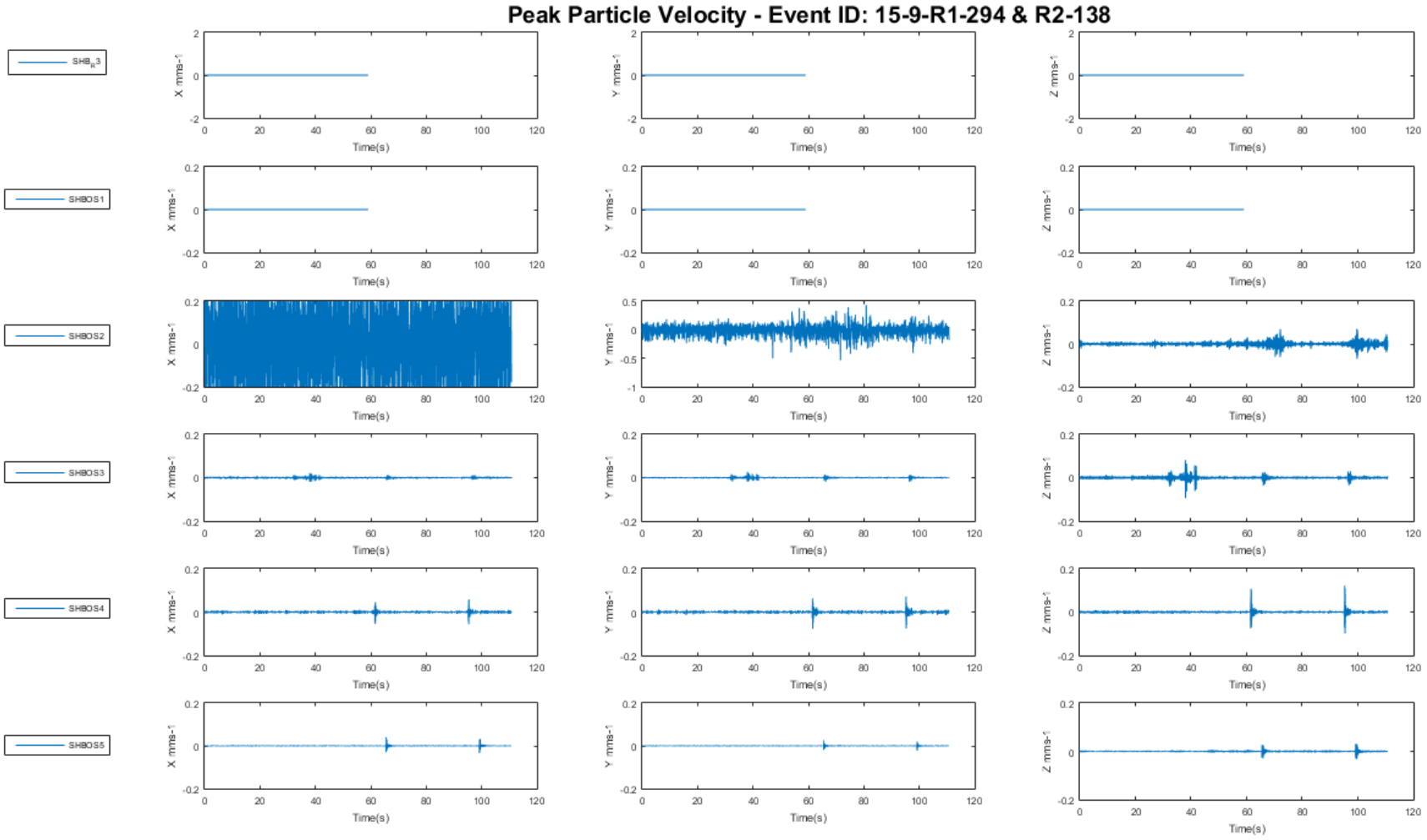


FIGURE 3.673: SHB_OS 1 - 5 15-9-R1-294 & R2-138

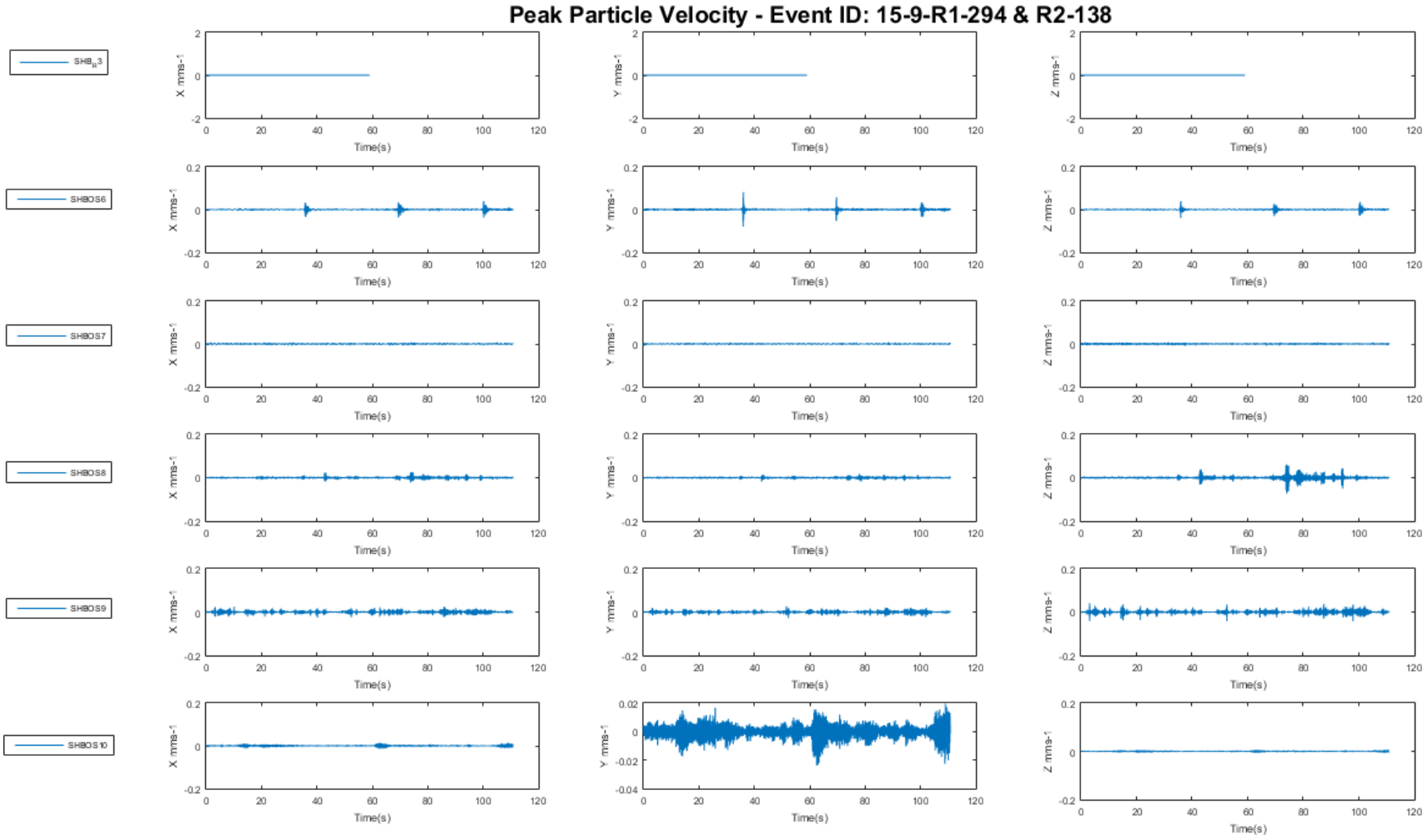


FIGURE 3.674: SHB_OS 6 - 10 15-9-R1-294 & R2-138

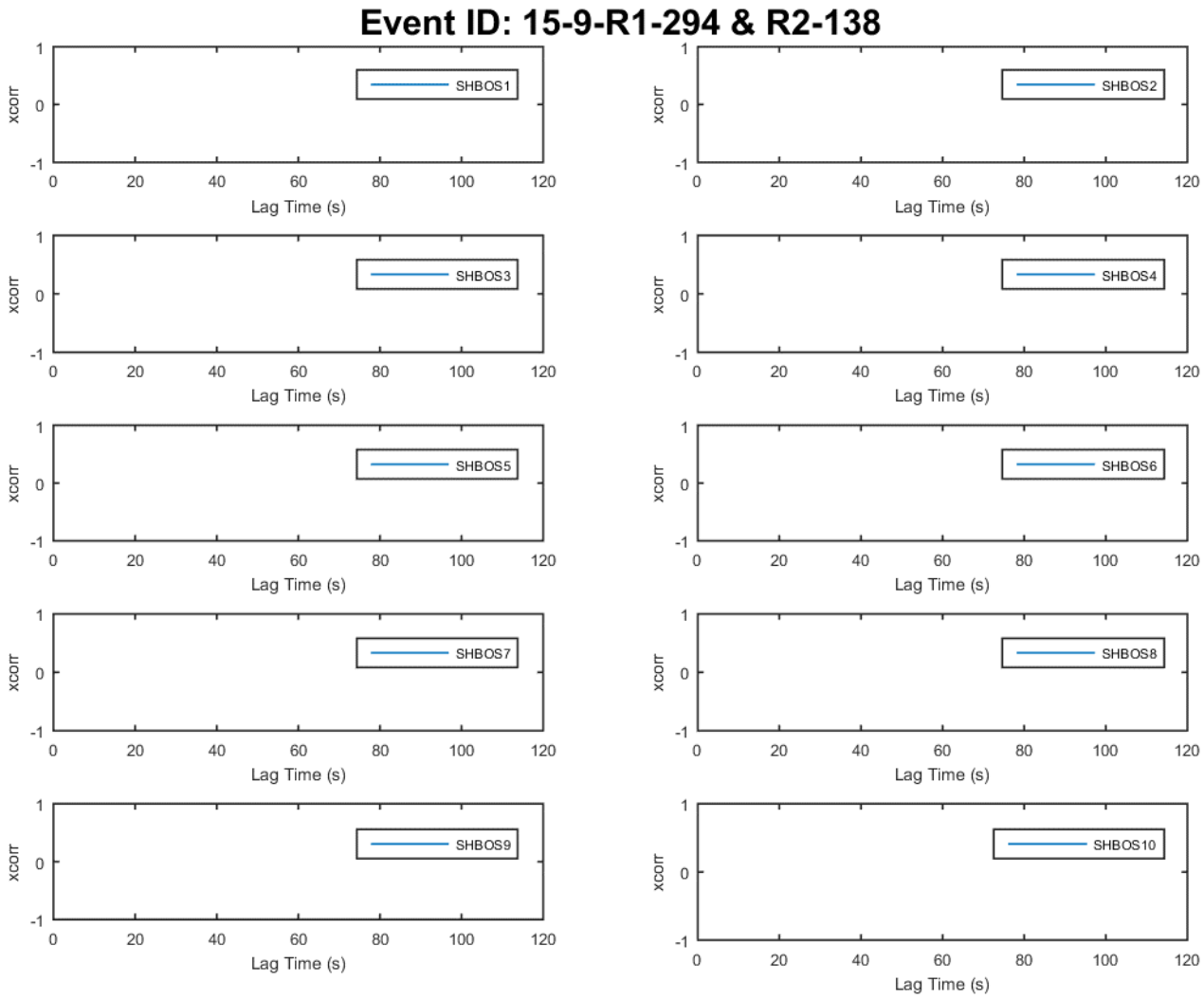


FIGURE 3.675: CROSS CORRELATION SHB_OS 1 - 10 15-9-R1-294 & R2-138

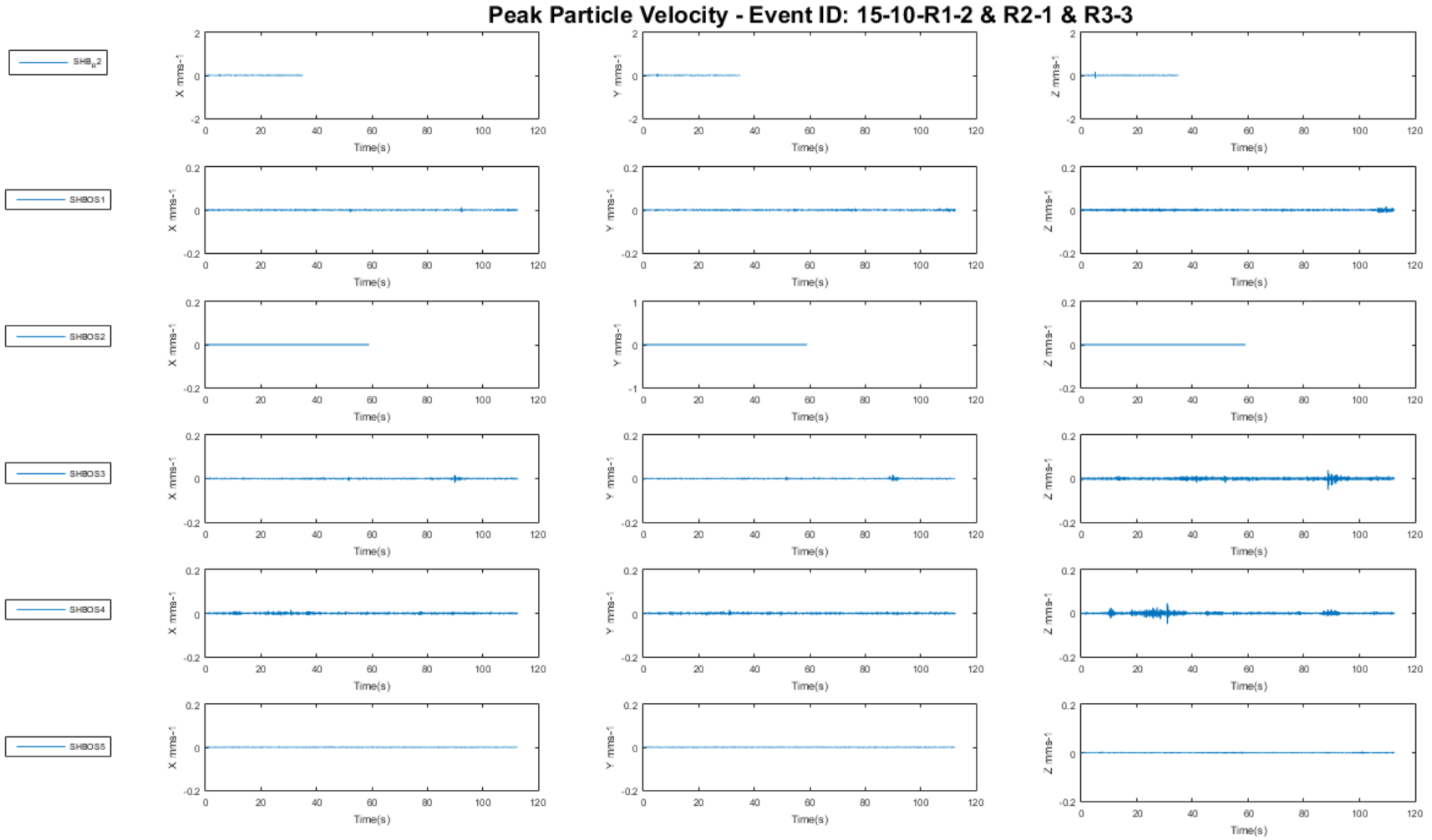


FIGURE 3.676: SHB_OS 1 - 5 15-10-R1-2 & R2-1 & R3-3

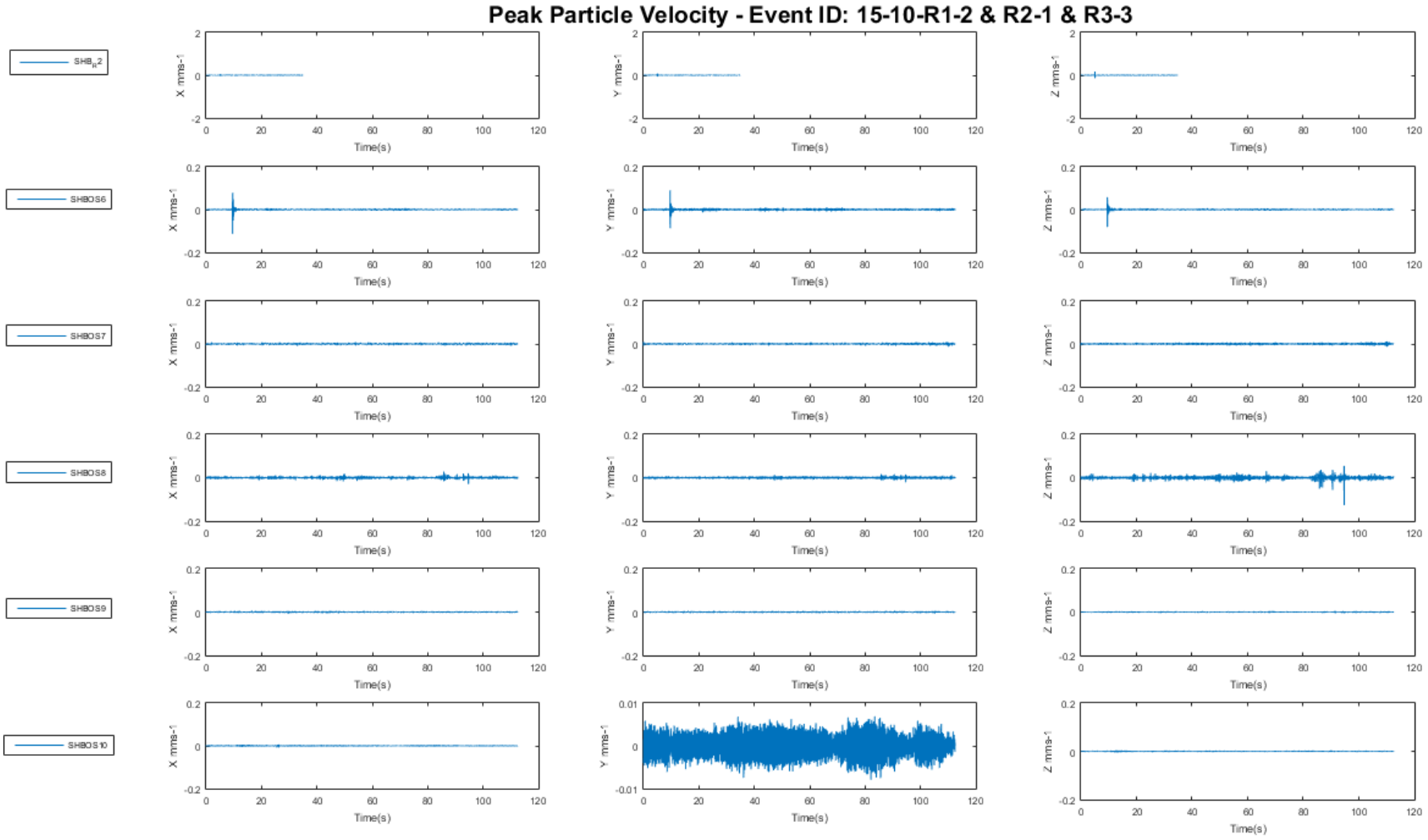


FIGURE 3.677: SHB_OS 6 - 10 15-10-R1-2 & R2-1 & R3-3

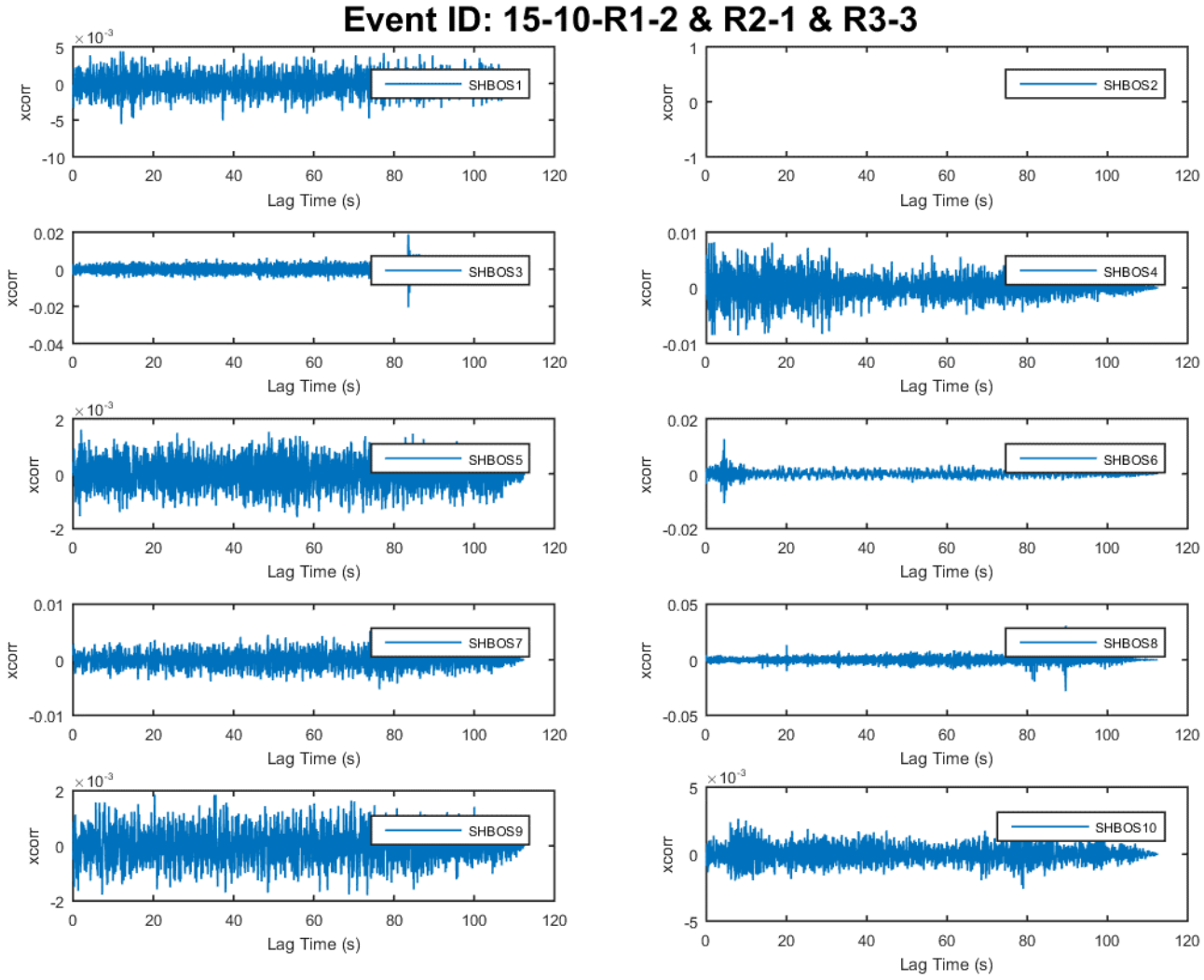


FIGURE 3.678: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-2 & R2-1 & R3-3

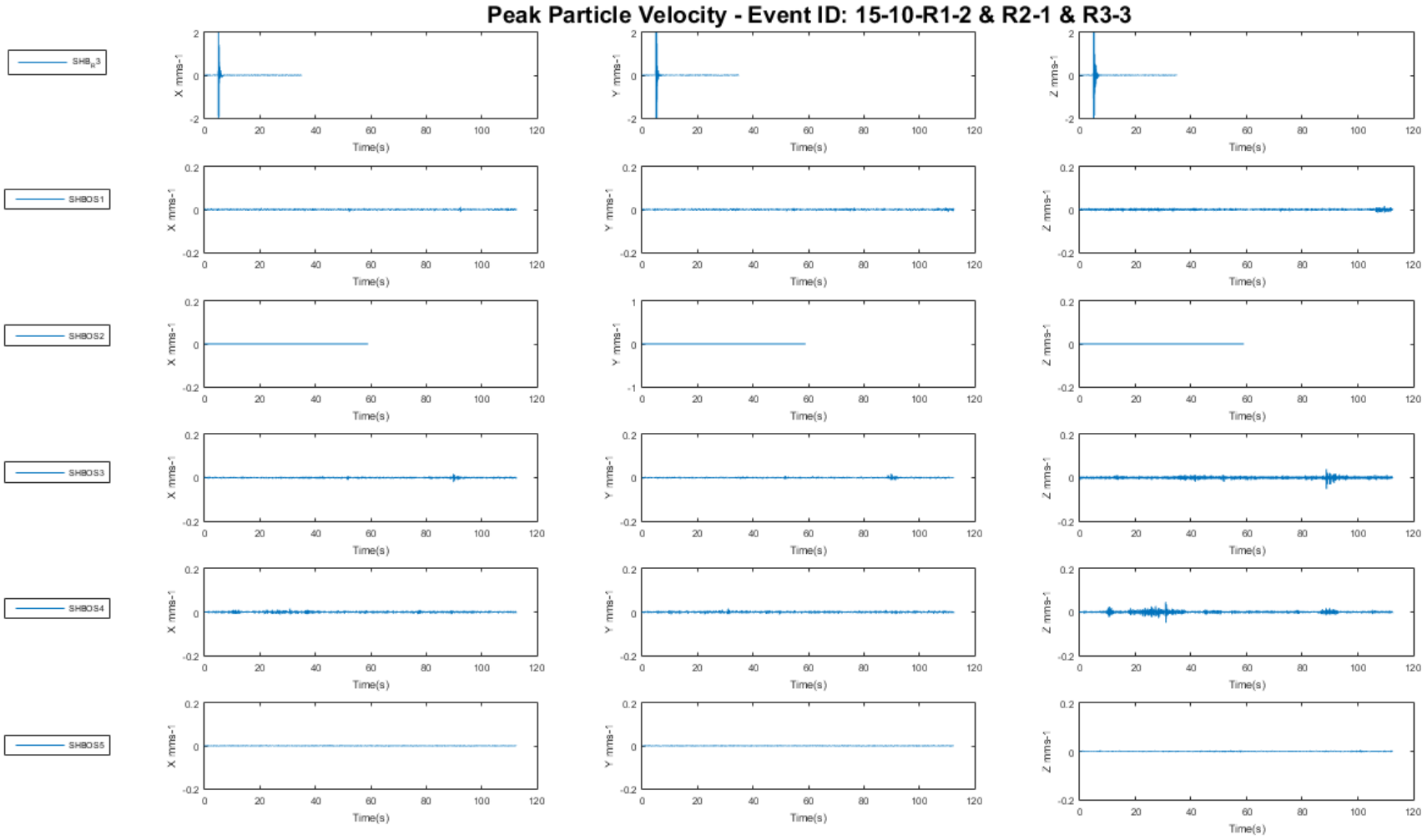


FIGURE 3.679: SHB_OS 1 - 5 15-10-R1-2 & R2-1 & R3-3

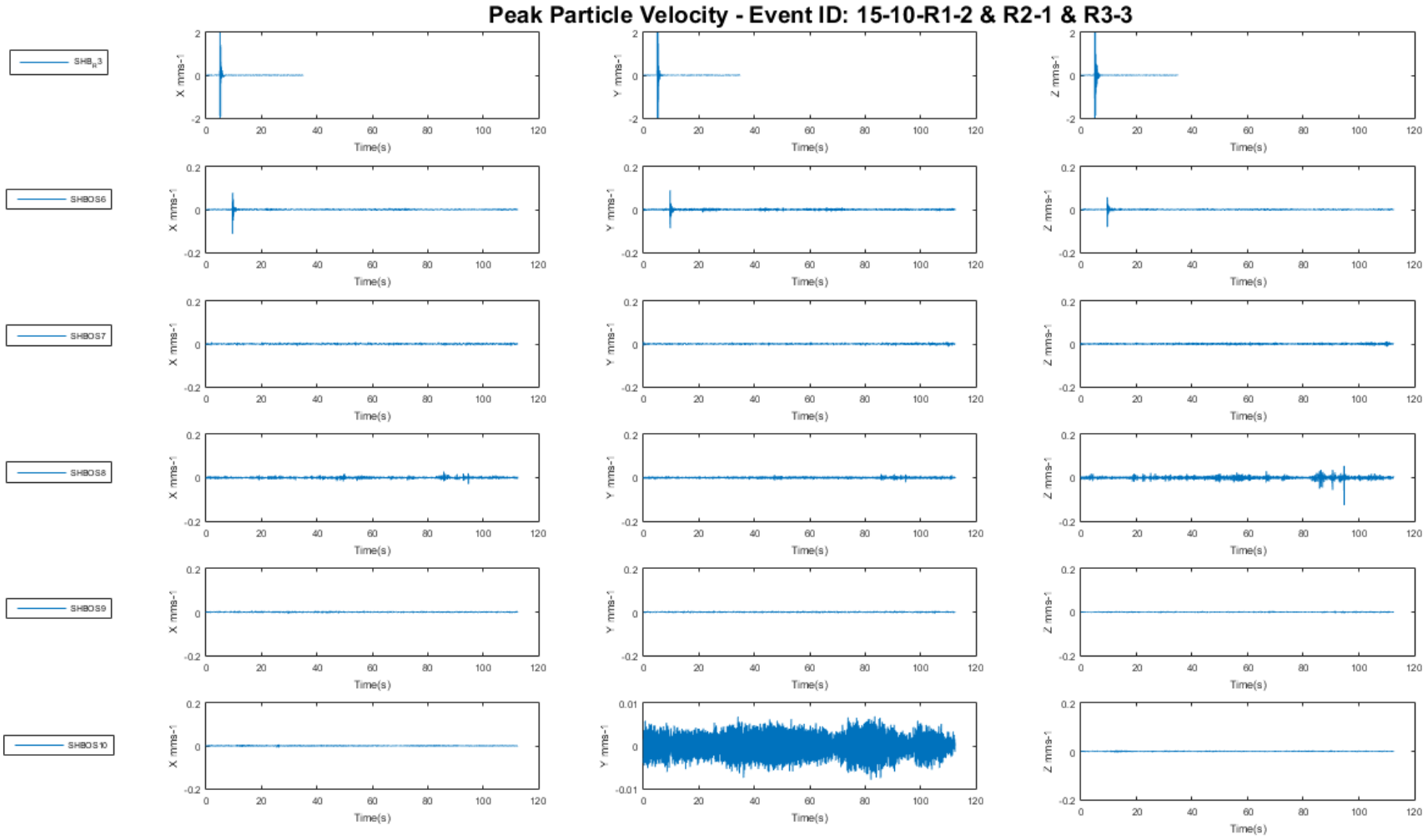


FIGURE 3.680: SHB_OS 6 - 10 15-10-R1-2 & R2-1 & R3-3

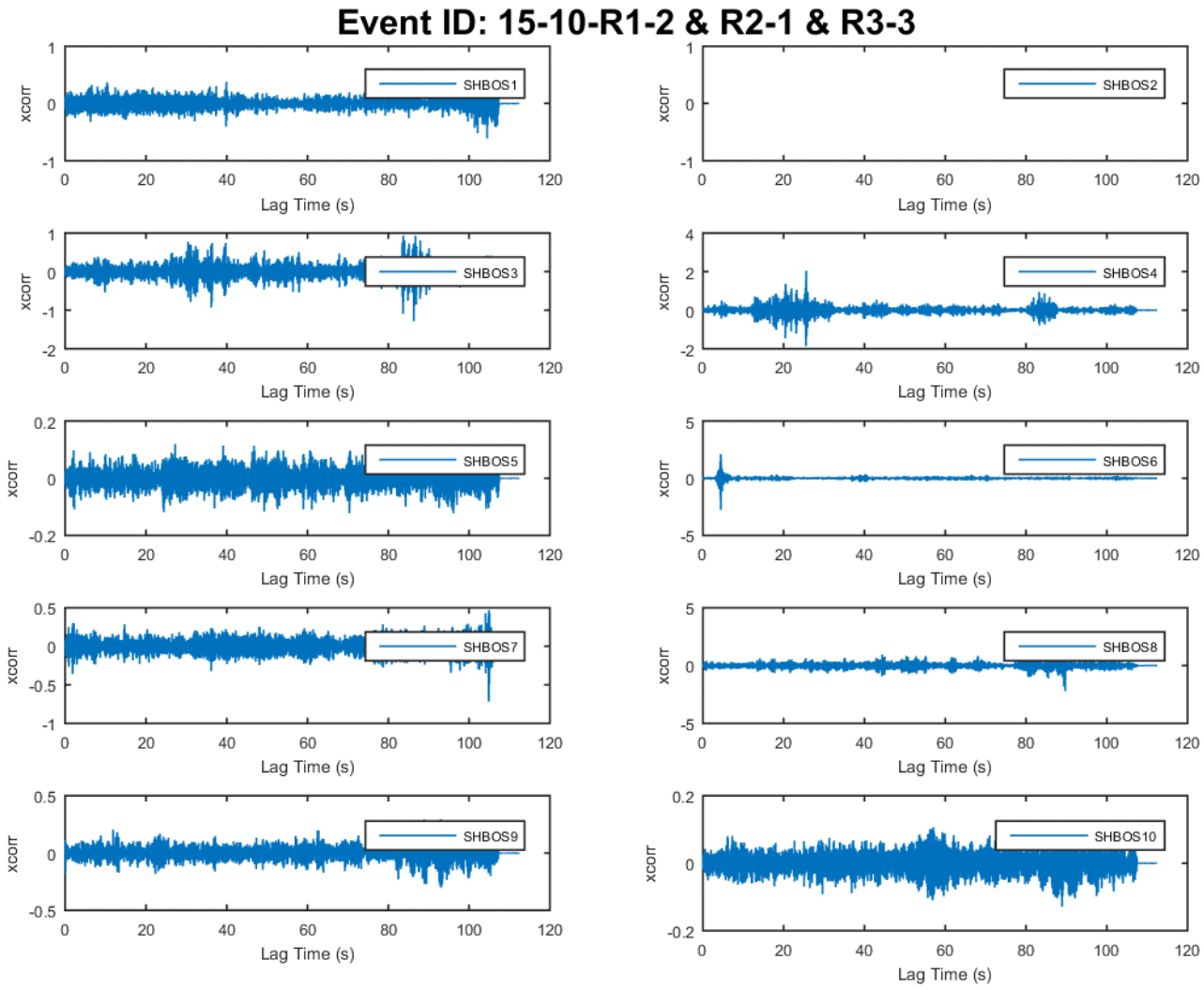


FIGURE 3.681: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-2 & R2-1 & R3-3

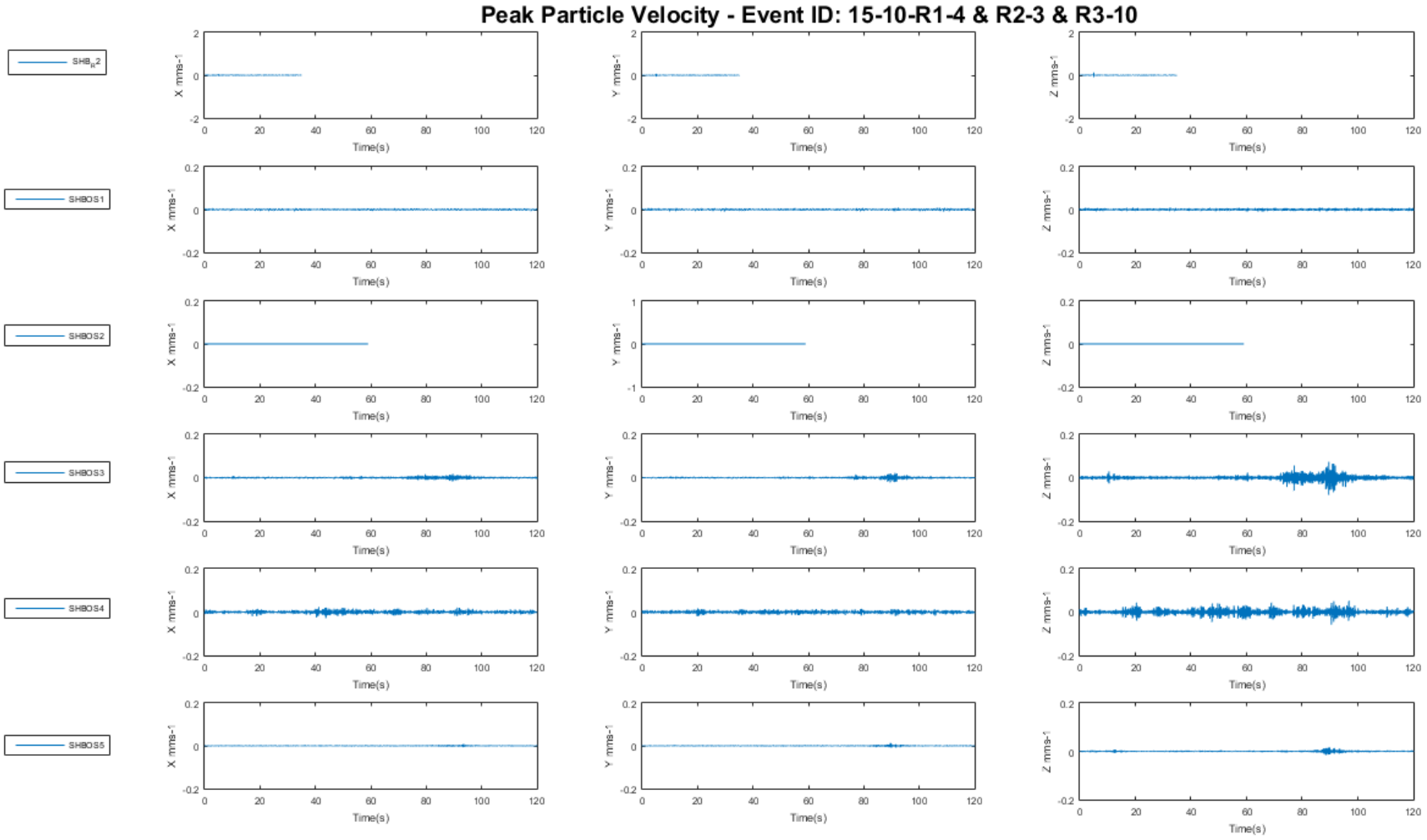


FIGURE 3.682: SHB_OS 1 - 5 15-10-R1-4 & R2-3 & R3-10

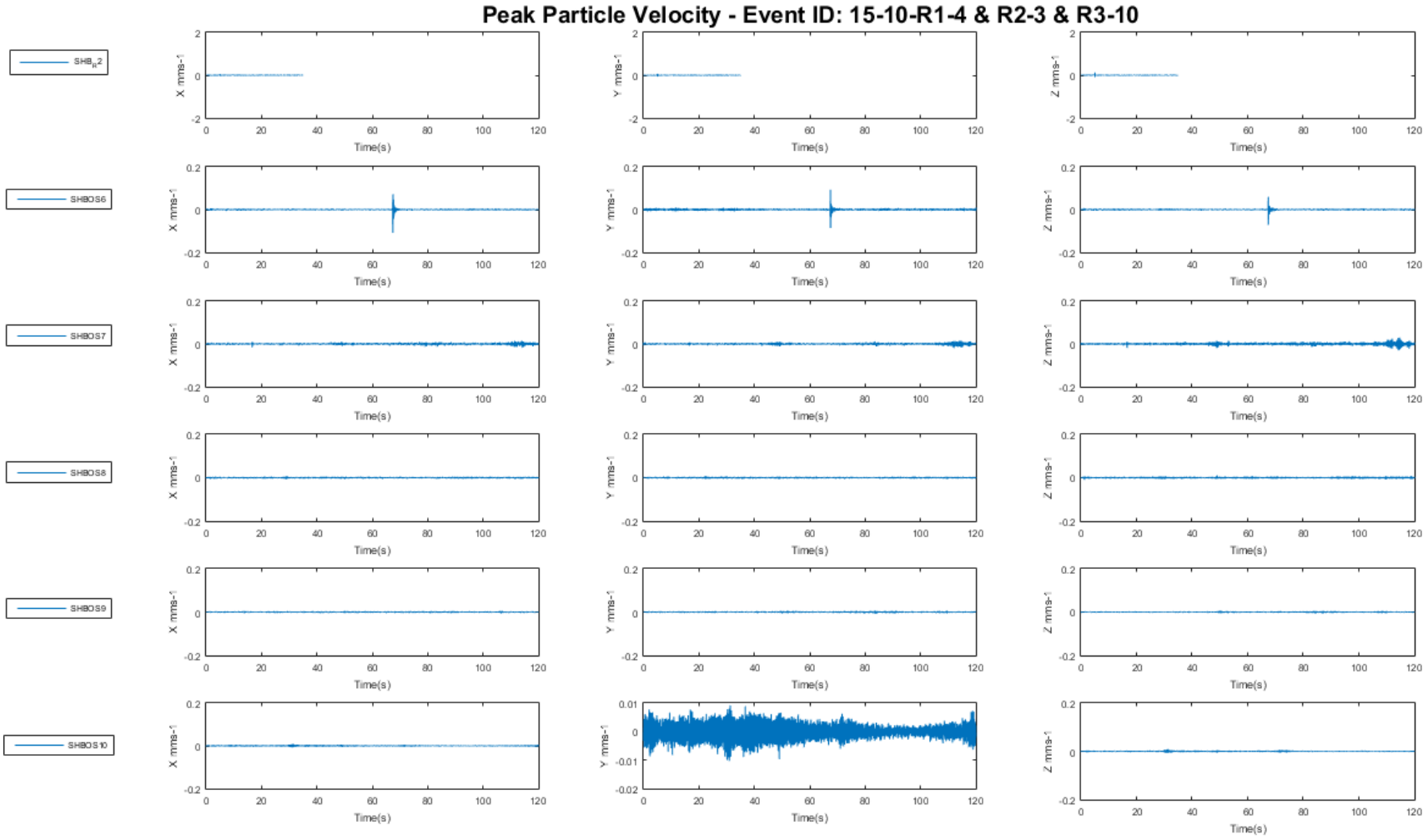


FIGURE 3.683: SHB_OS 6 - 10 15-10-R1-4 & R2-3 & R3-10

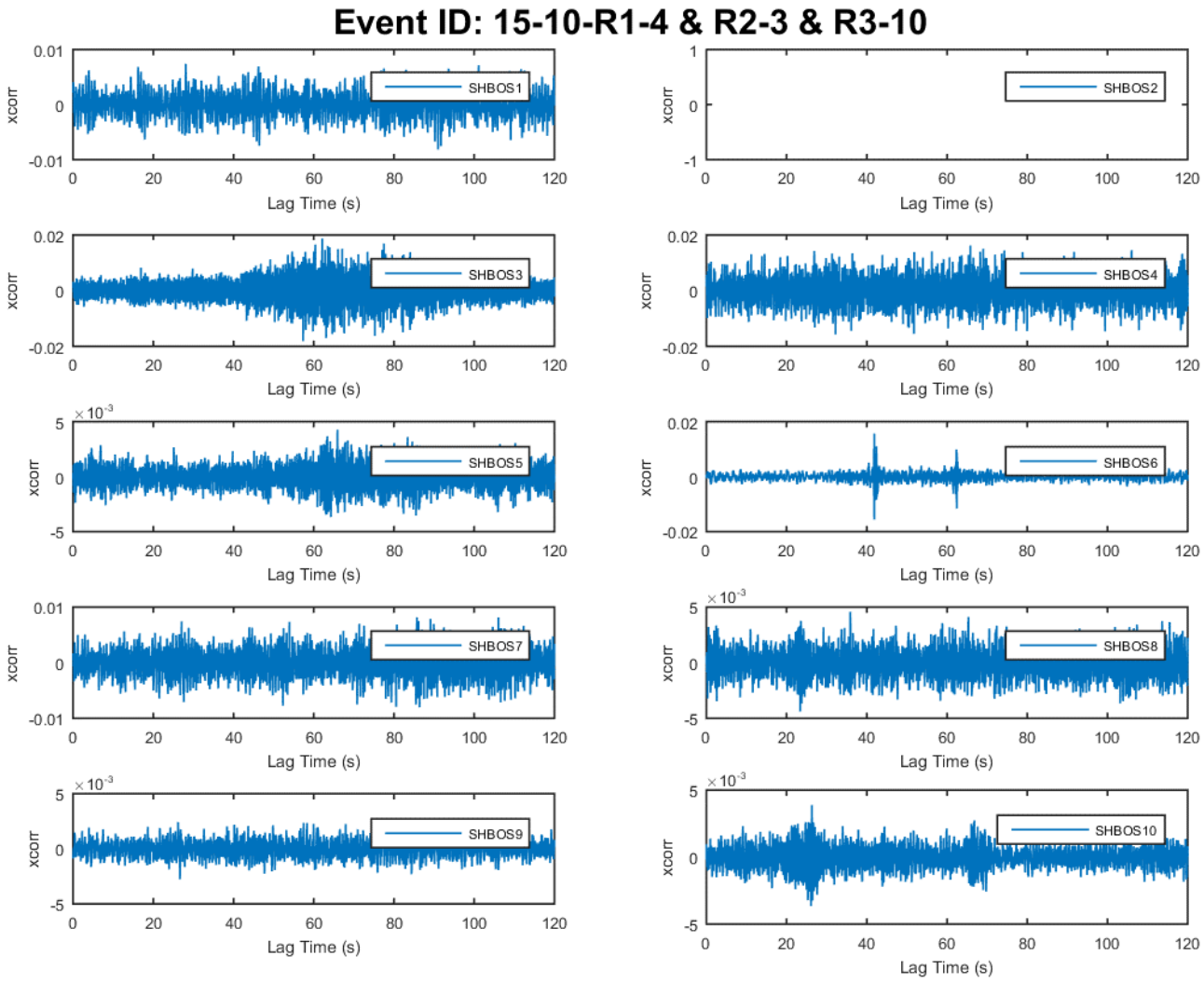


FIGURE 3.684: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-4 & R2-3 & R3-10

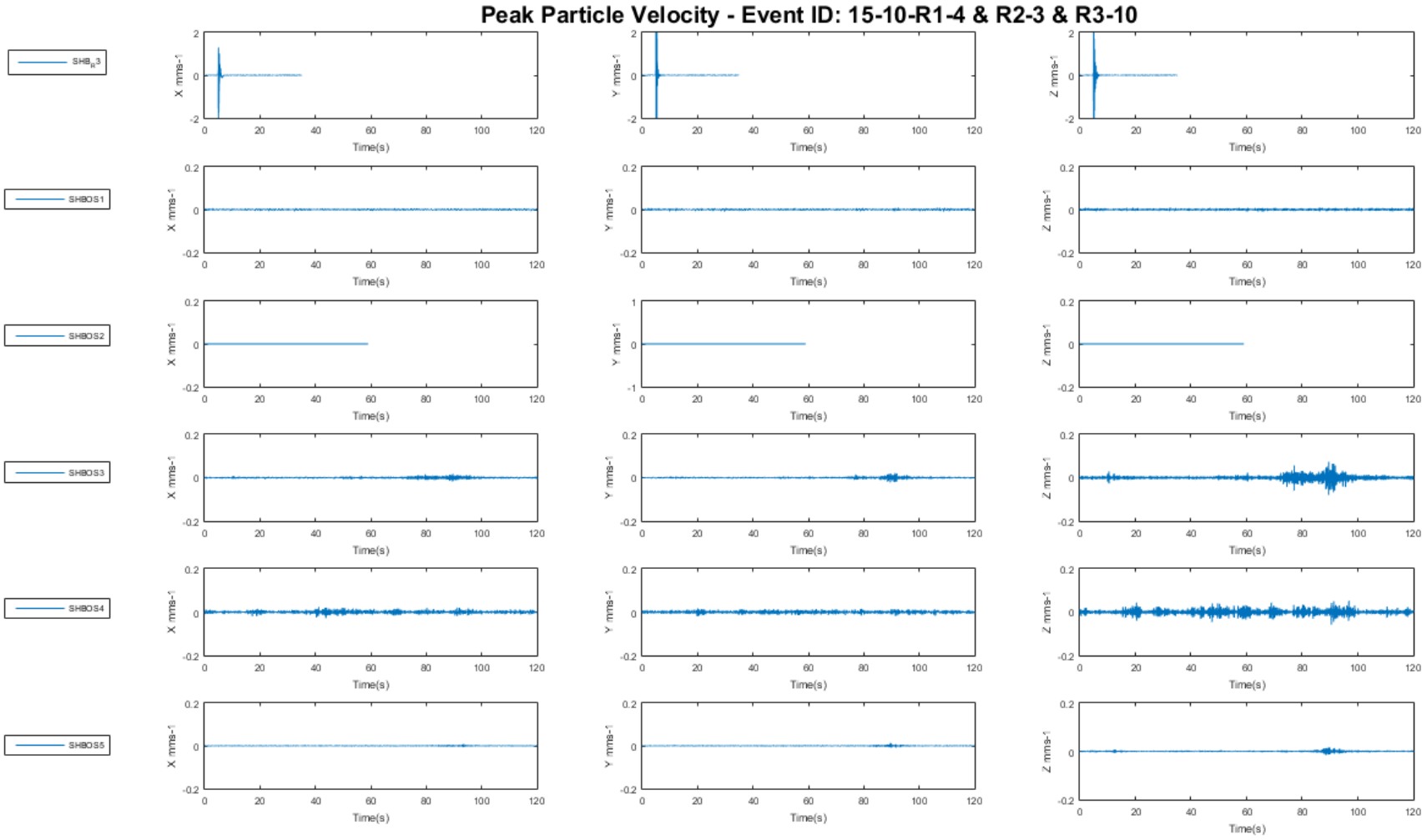


FIGURE 3.685: SHB_OS 1 - 5 15-10-R1-4 & R2-3 & R3-10

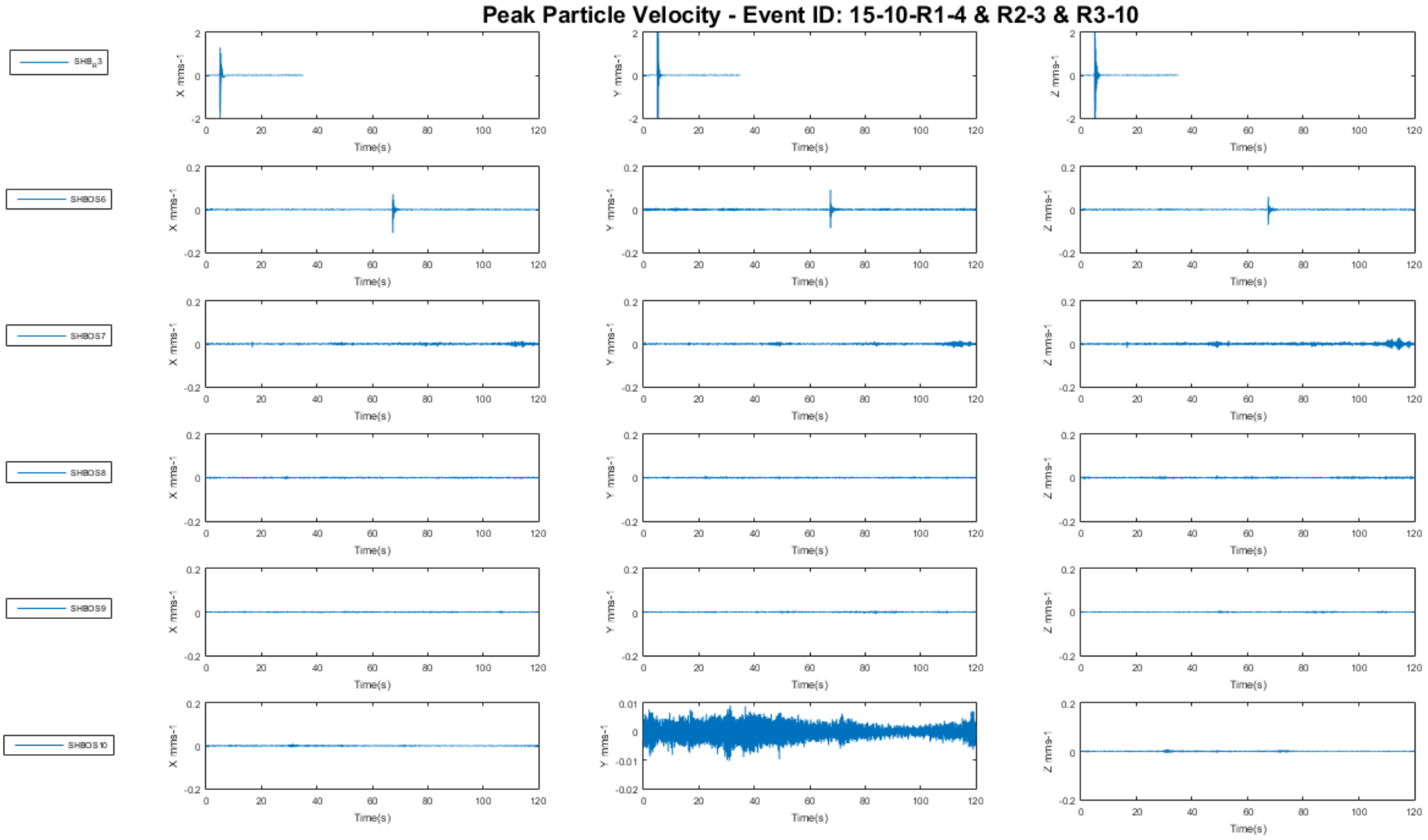


FIGURE 3.686: SHB_OS 6 - 10 15-10-R1-4 & R2-3 & R3-10

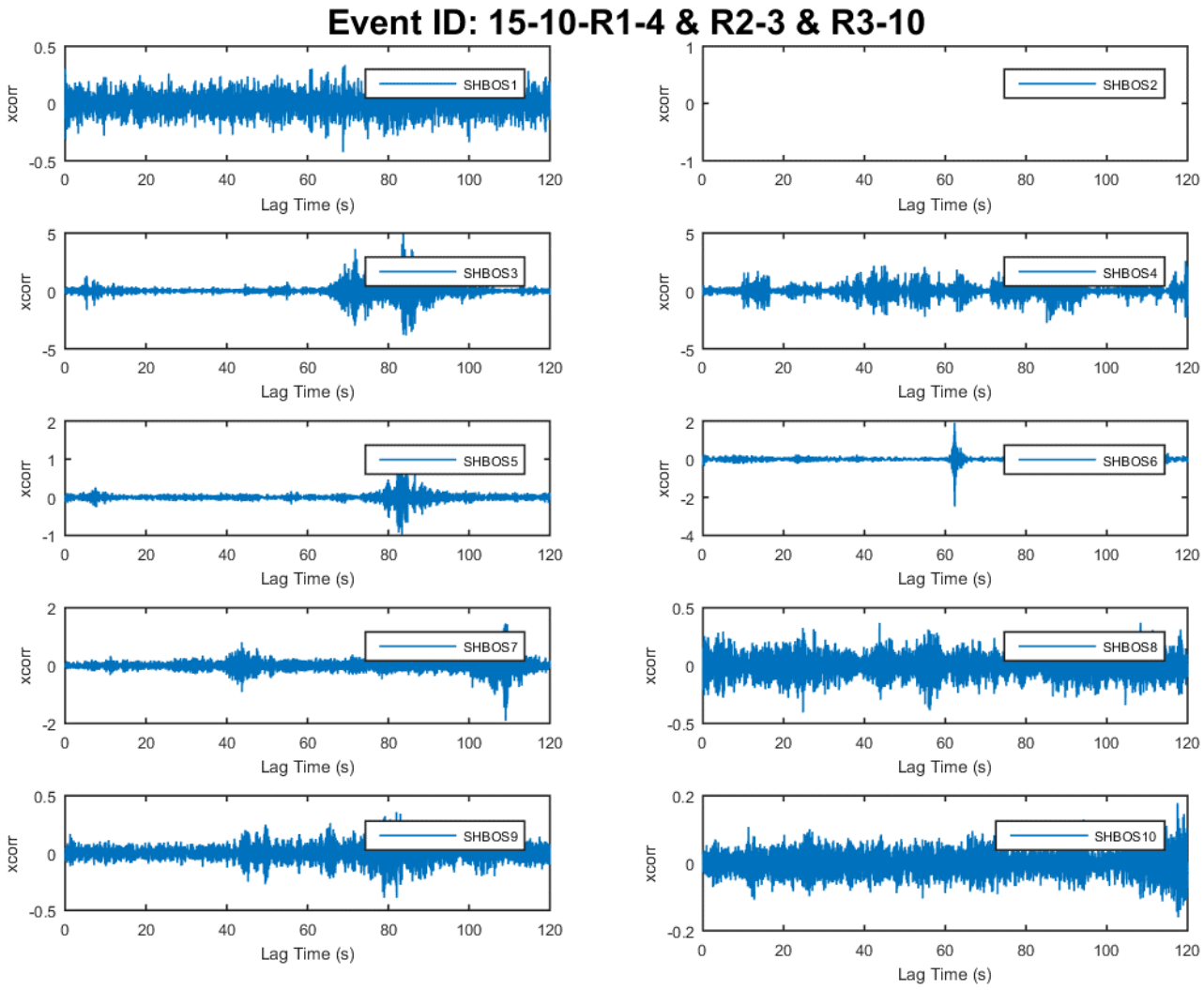


FIGURE 3.687: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-4 & R2-3 & R3-10

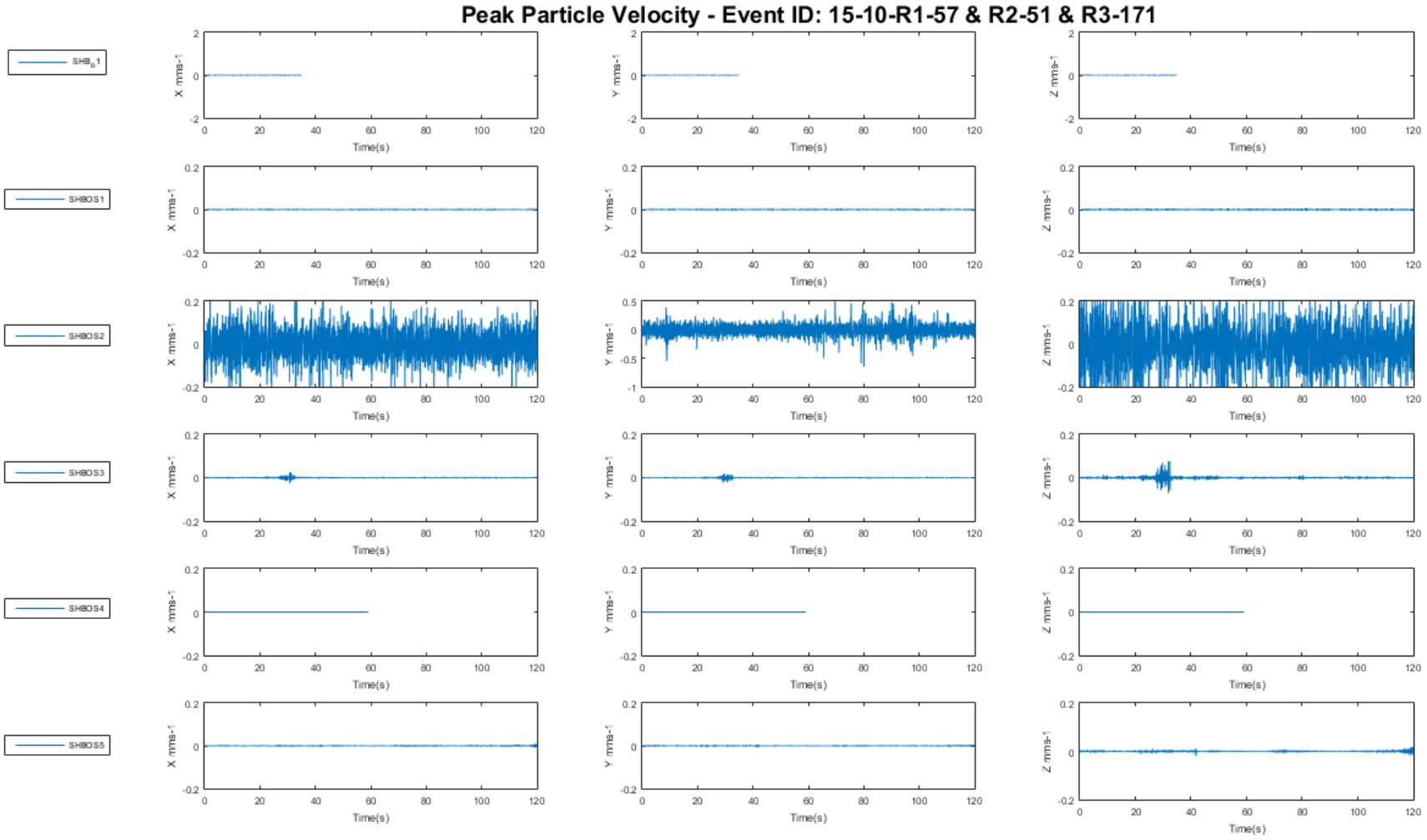


FIGURE 3.688: SHB_OS 1 - 5 15-10-R1-57 & R2-51 & R3-171

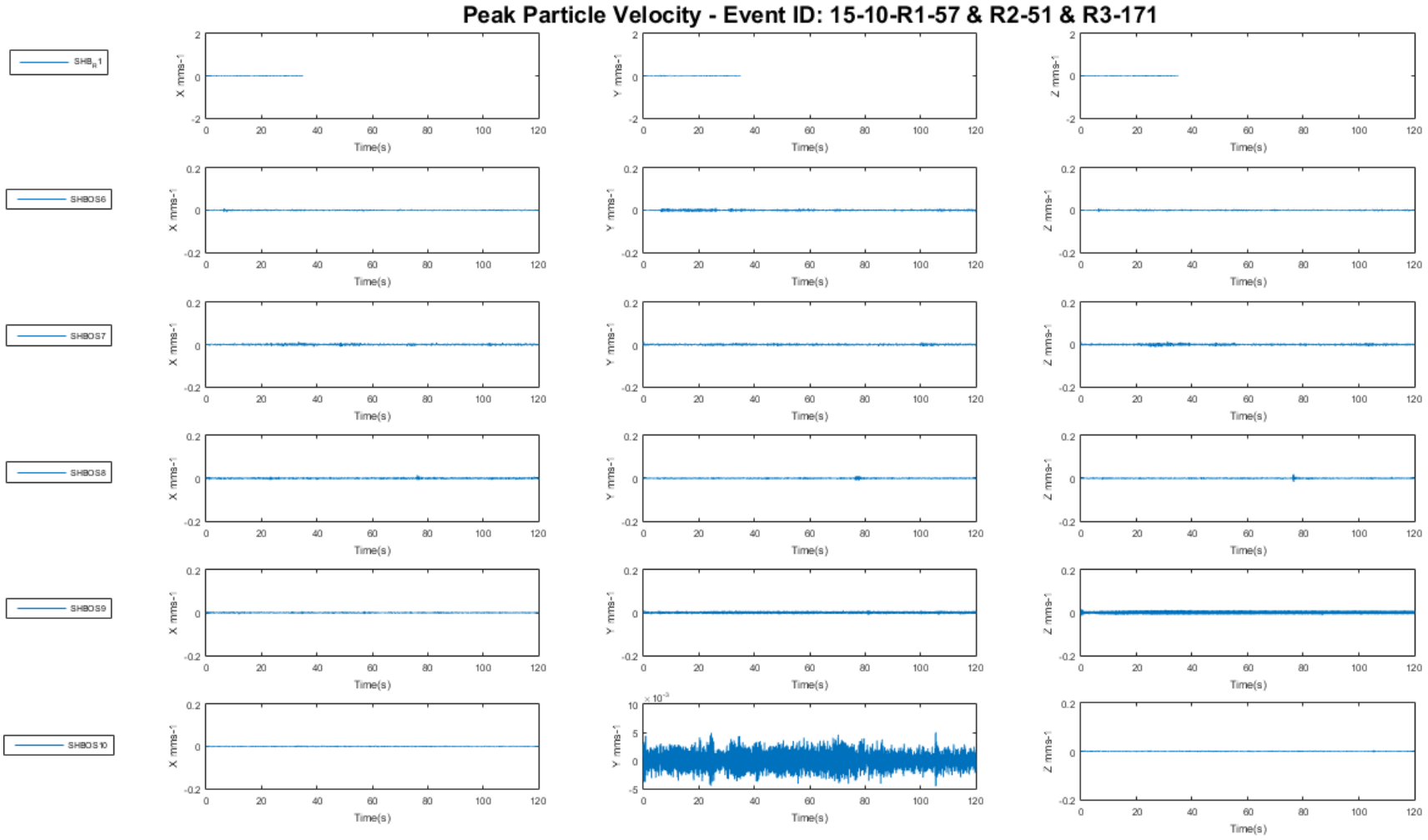


FIGURE 3.689: SHB_OS 6 - 10 15-10-R1-57 & R2-51 & R3-171

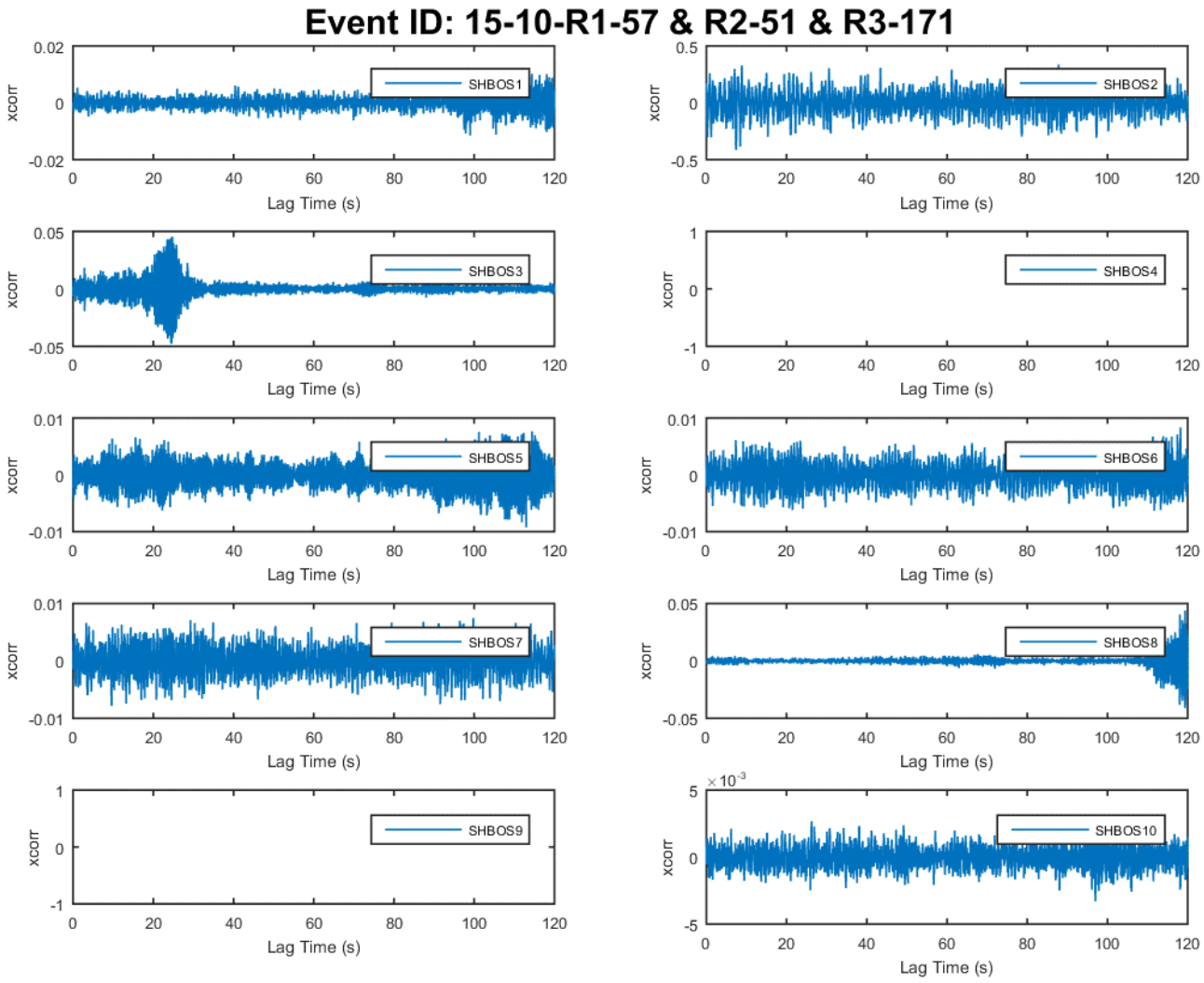


FIGURE 3.690: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-57 & R2-51 & R3-171

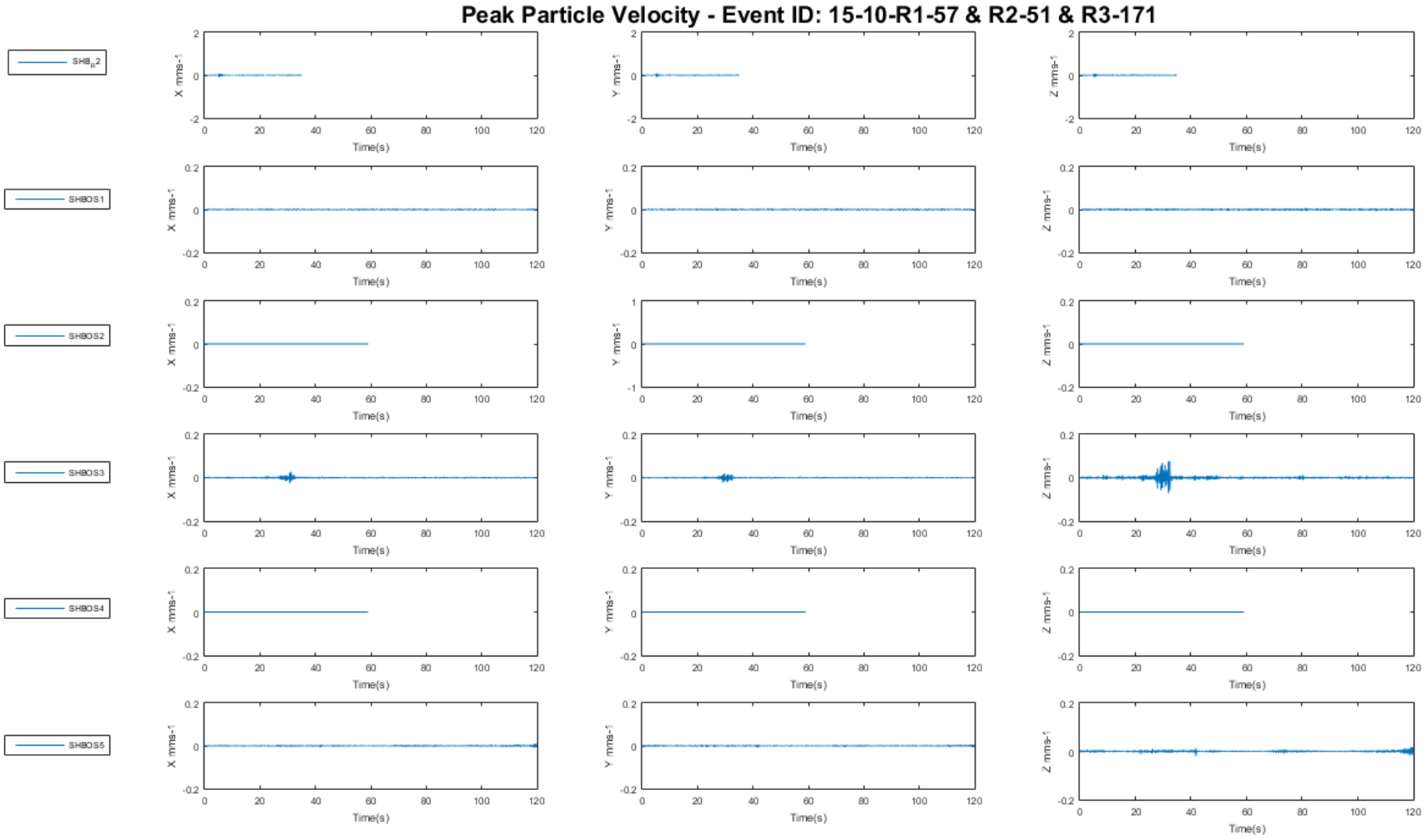


FIGURE 3.691: SHB_OS 1 - 5 15-10-R1-57 & R2-51 & R3-171

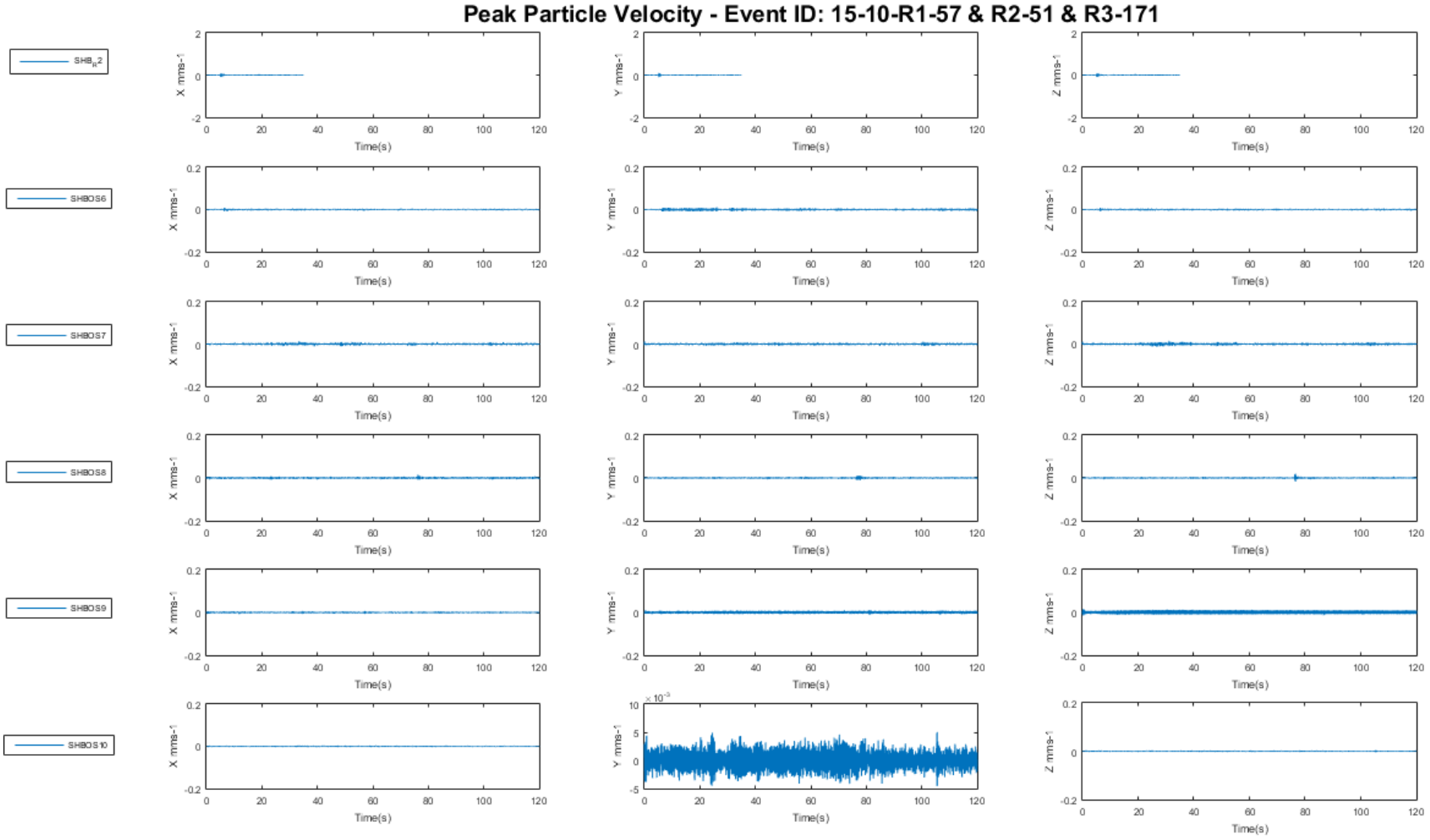


FIGURE 3.692: SHB_OS 6 - 10 15-10-R1-57 & R2-51 & R3-171

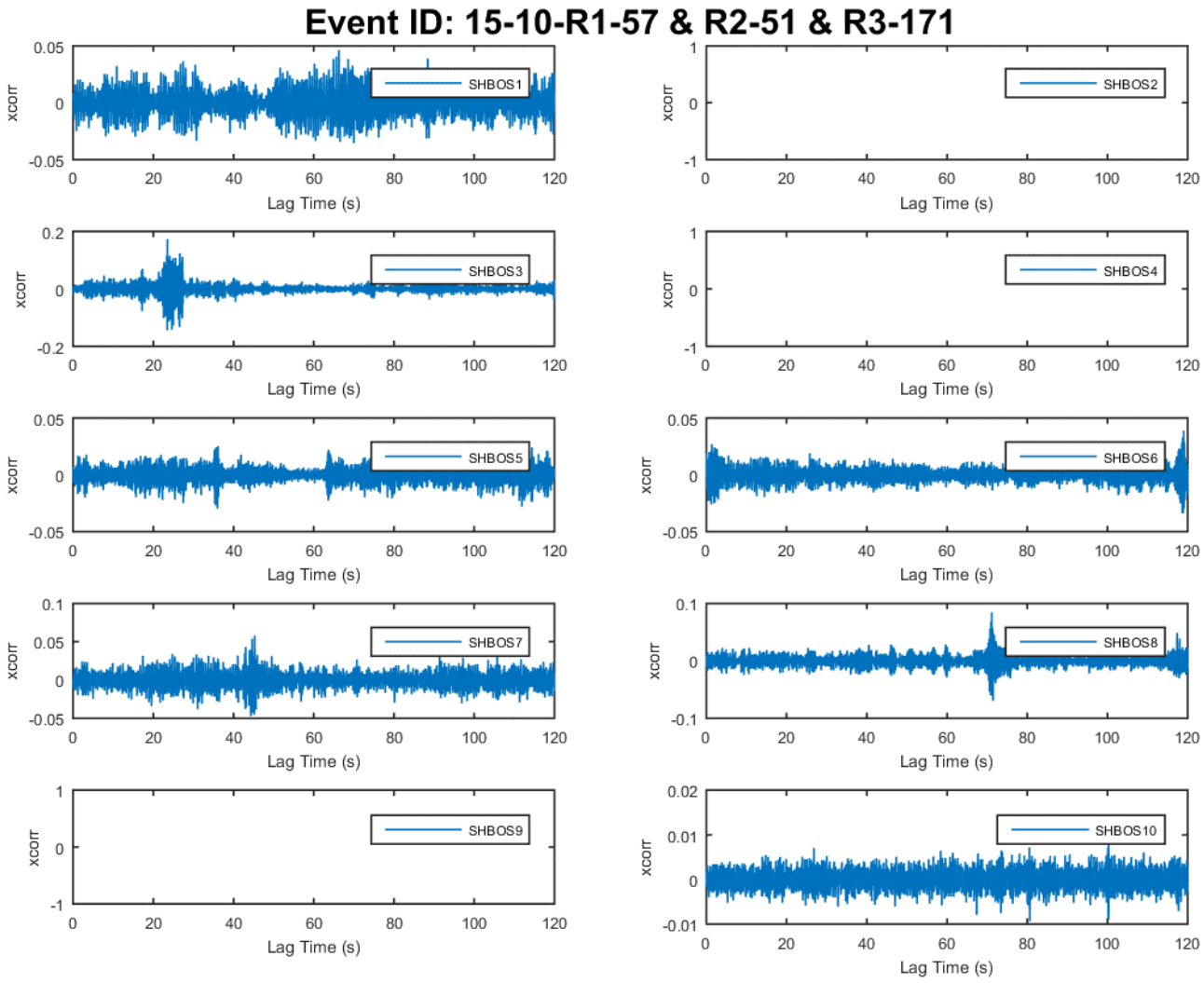


FIGURE 3.693: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-57 & R2-51 & R3-171

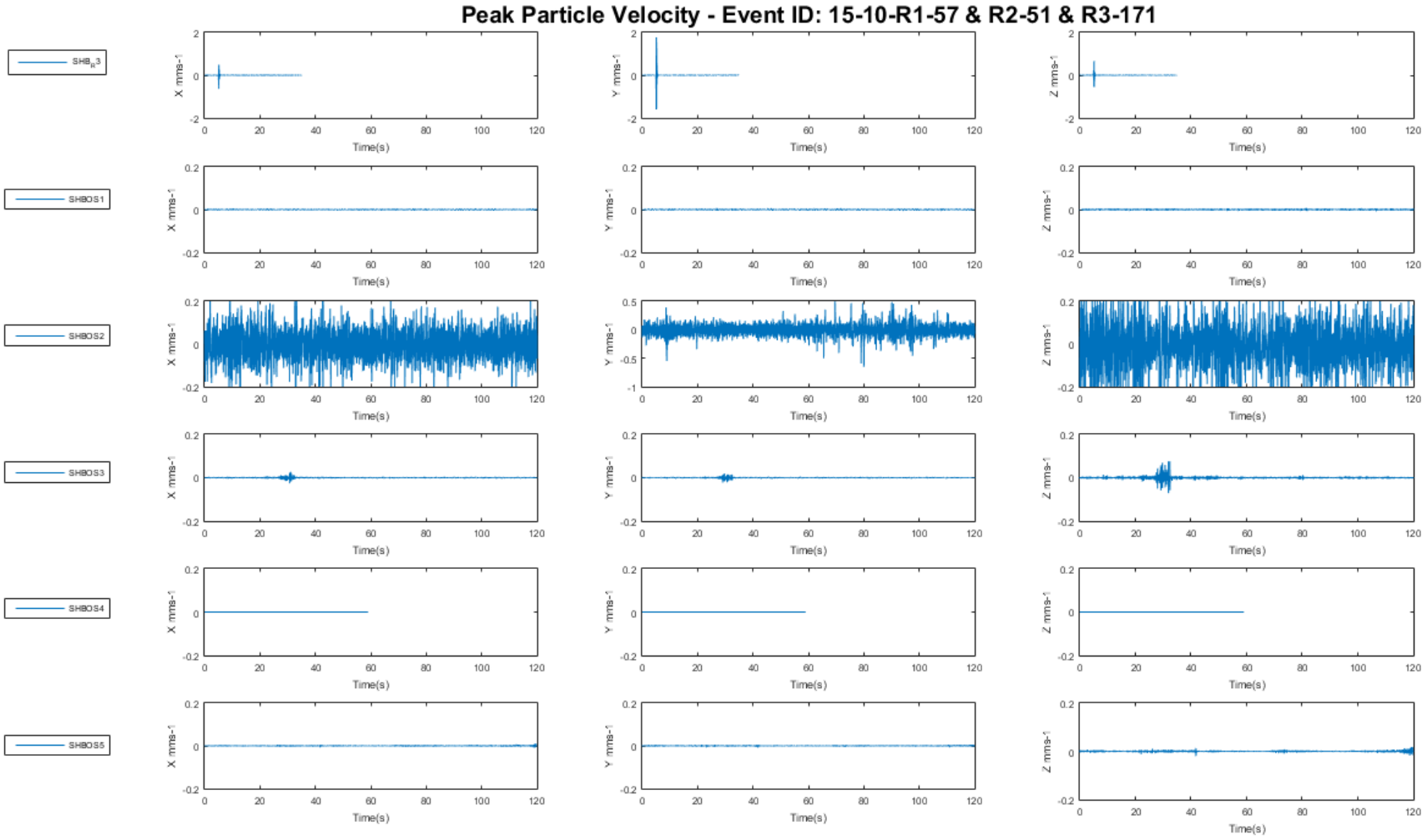


FIGURE 3.694: SHB_OS 1 - 5 15-10-R1-57 & R2-51 & R3-171

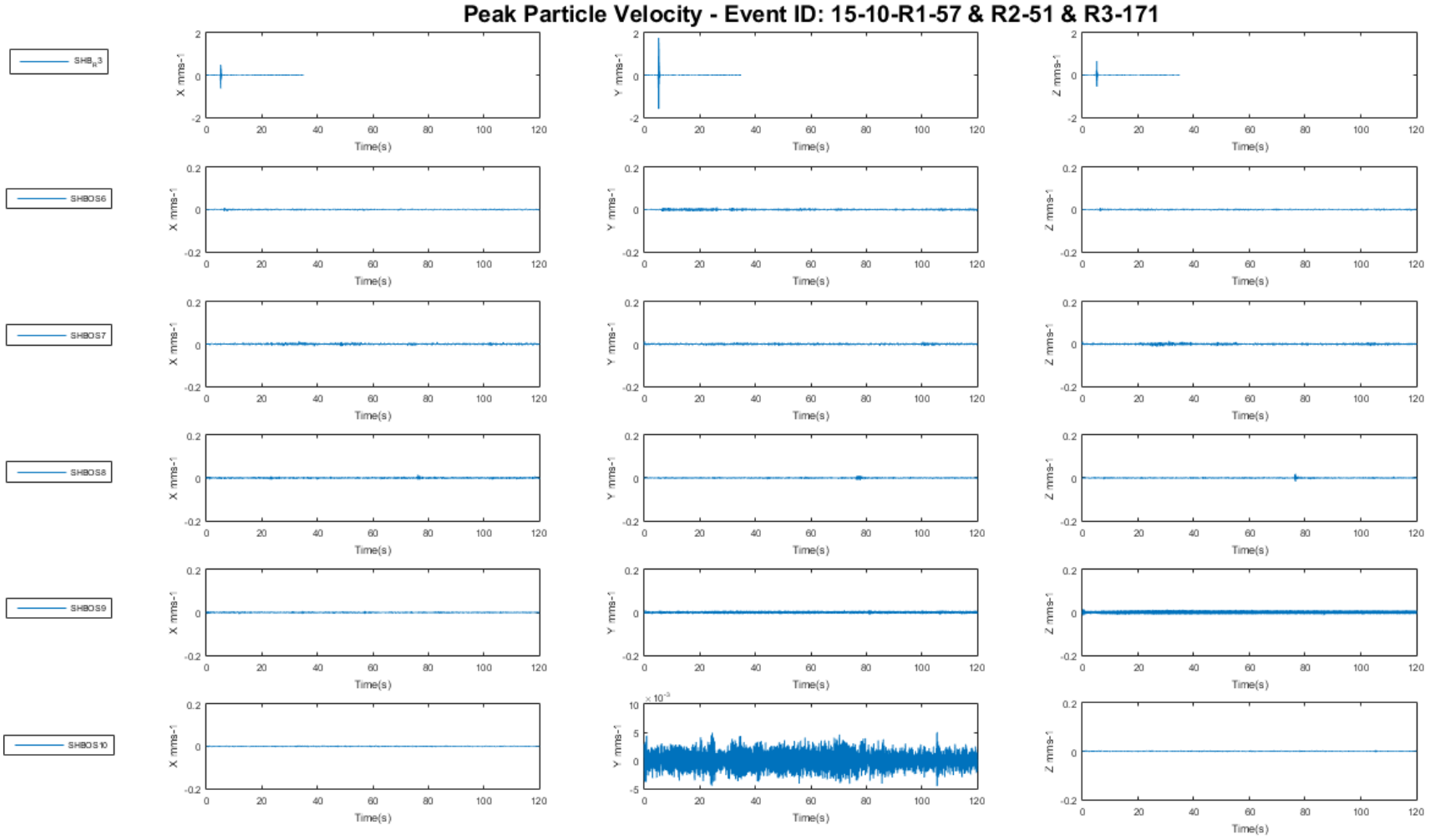


FIGURE 3.695: SHB_OS 6 - 10 15-10-R1-57 & R2-51 & R3-171

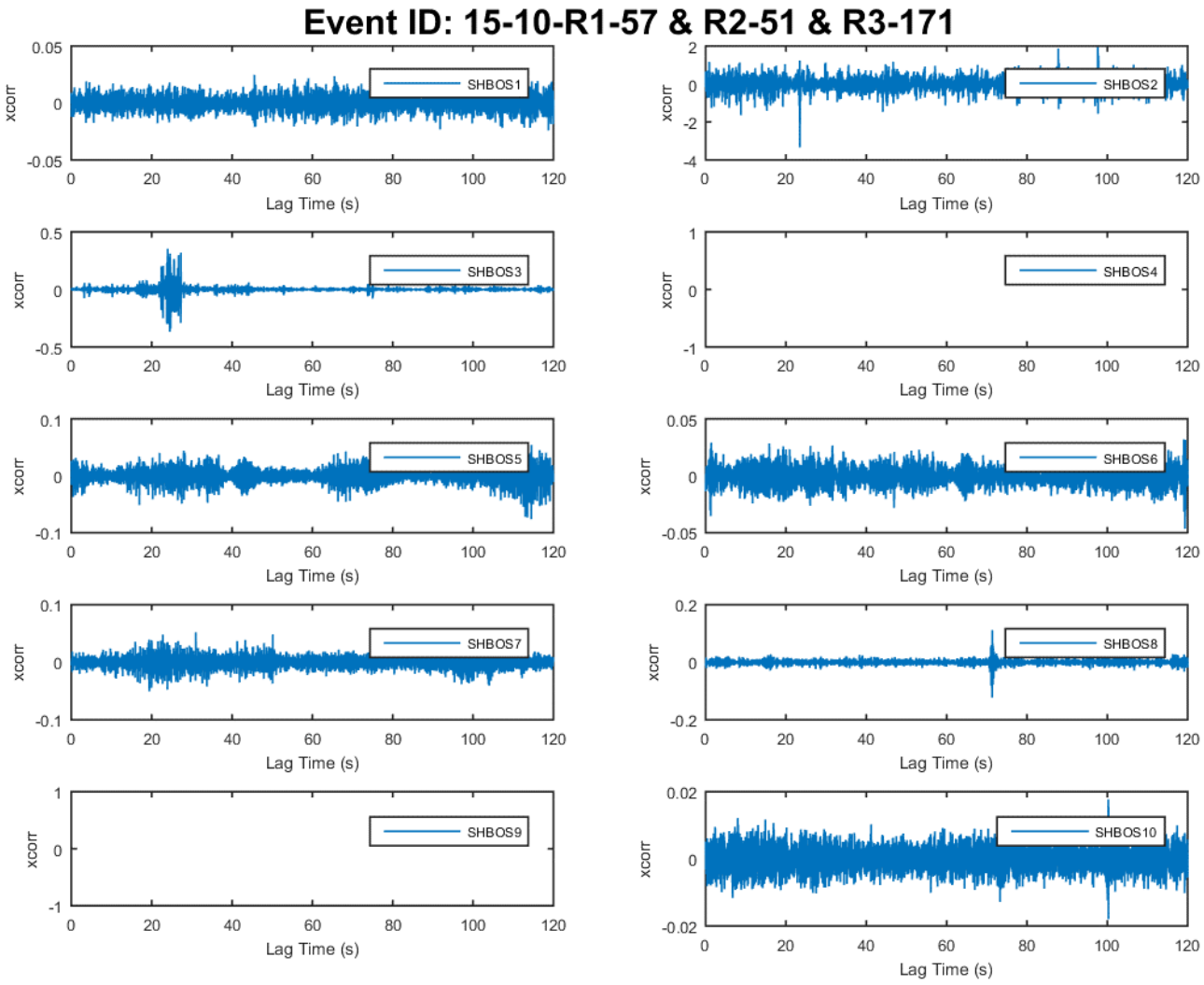


FIGURE 3.696: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-57 & R2-51 & R3-171

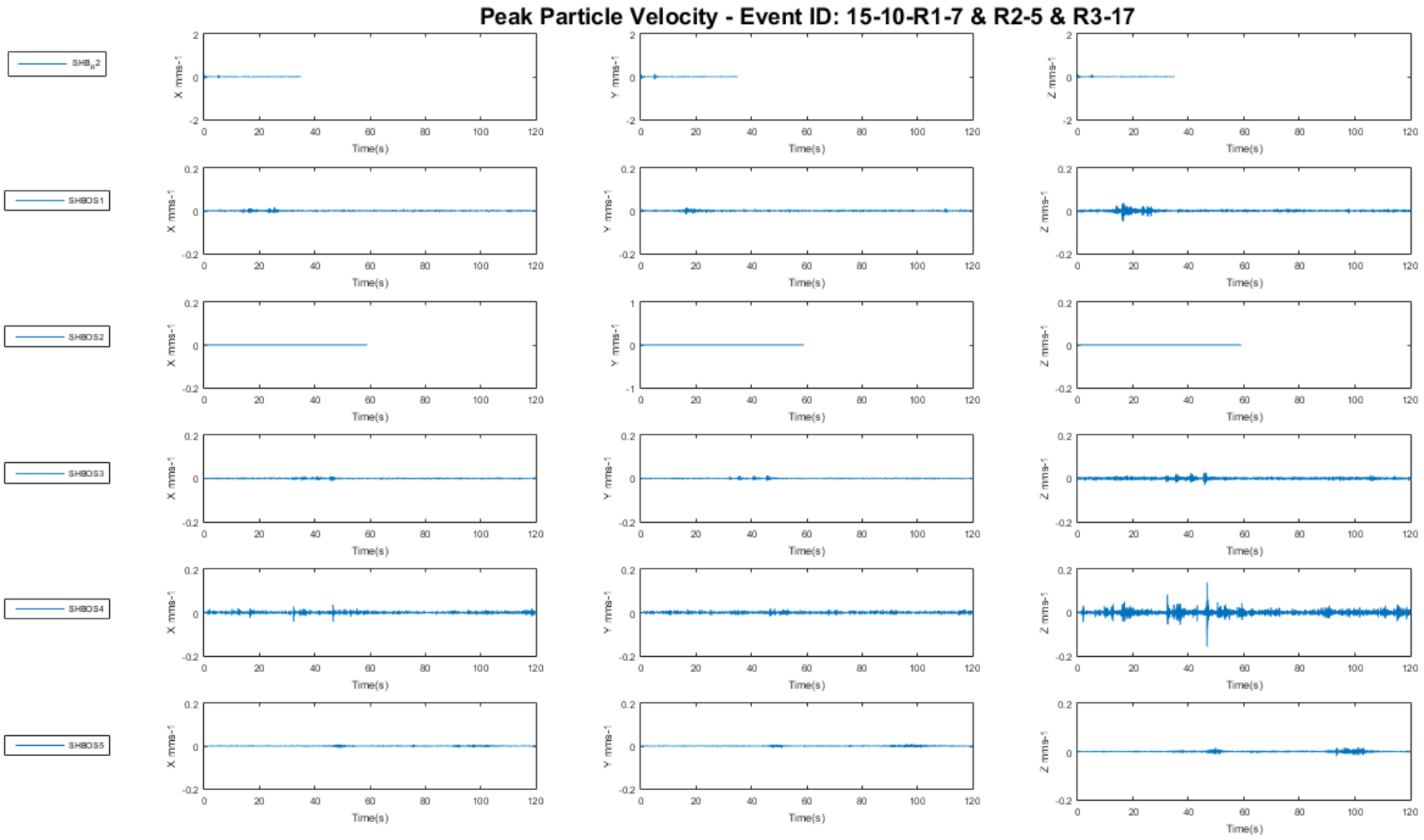


FIGURE 3.697: SHB_OS 1 - 5 15-10-R1-7 & R2-5 & R3-17

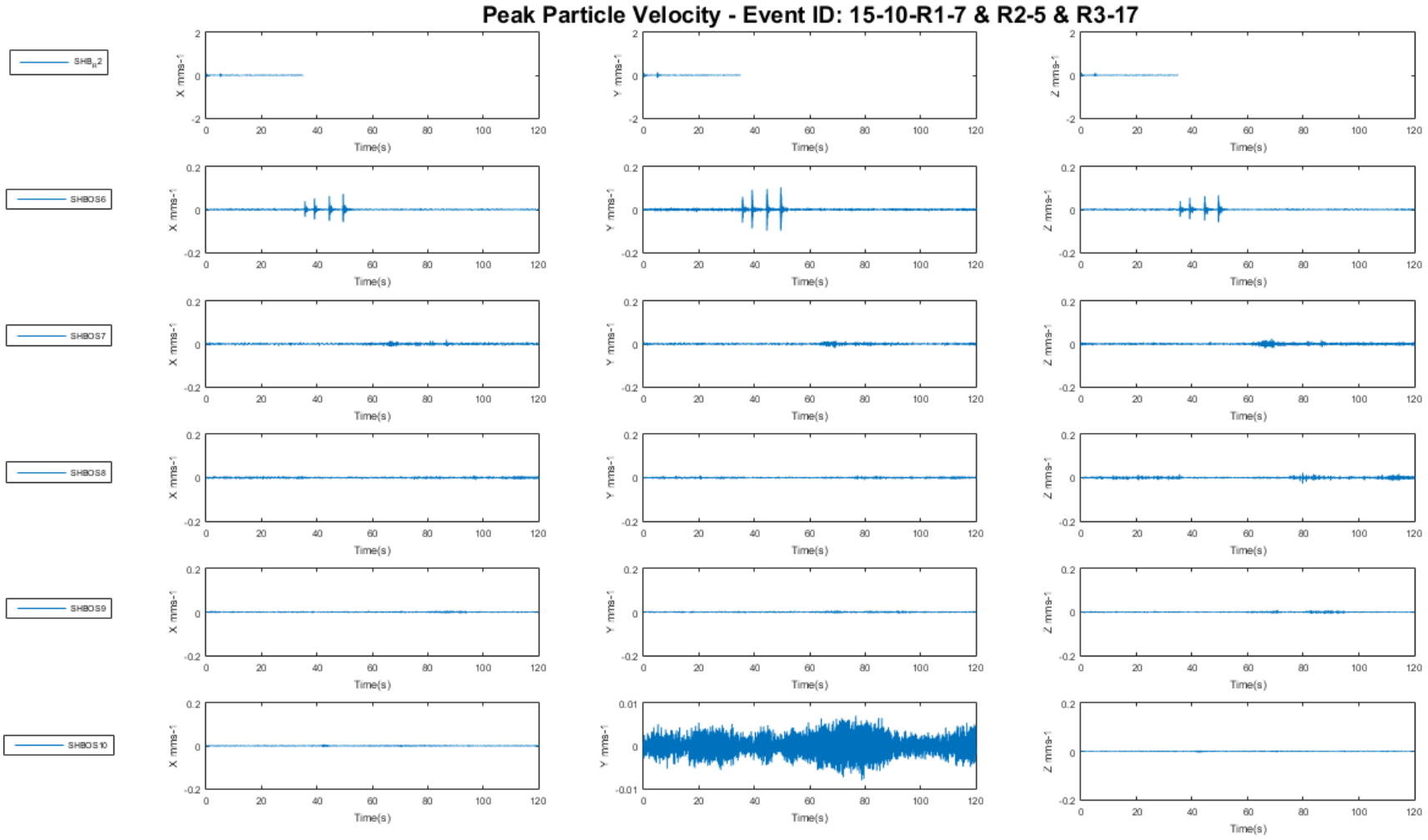


FIGURE 3.698: SHB_OS 6 - 10 15-10-R1-7 & R2-5 & R3-17

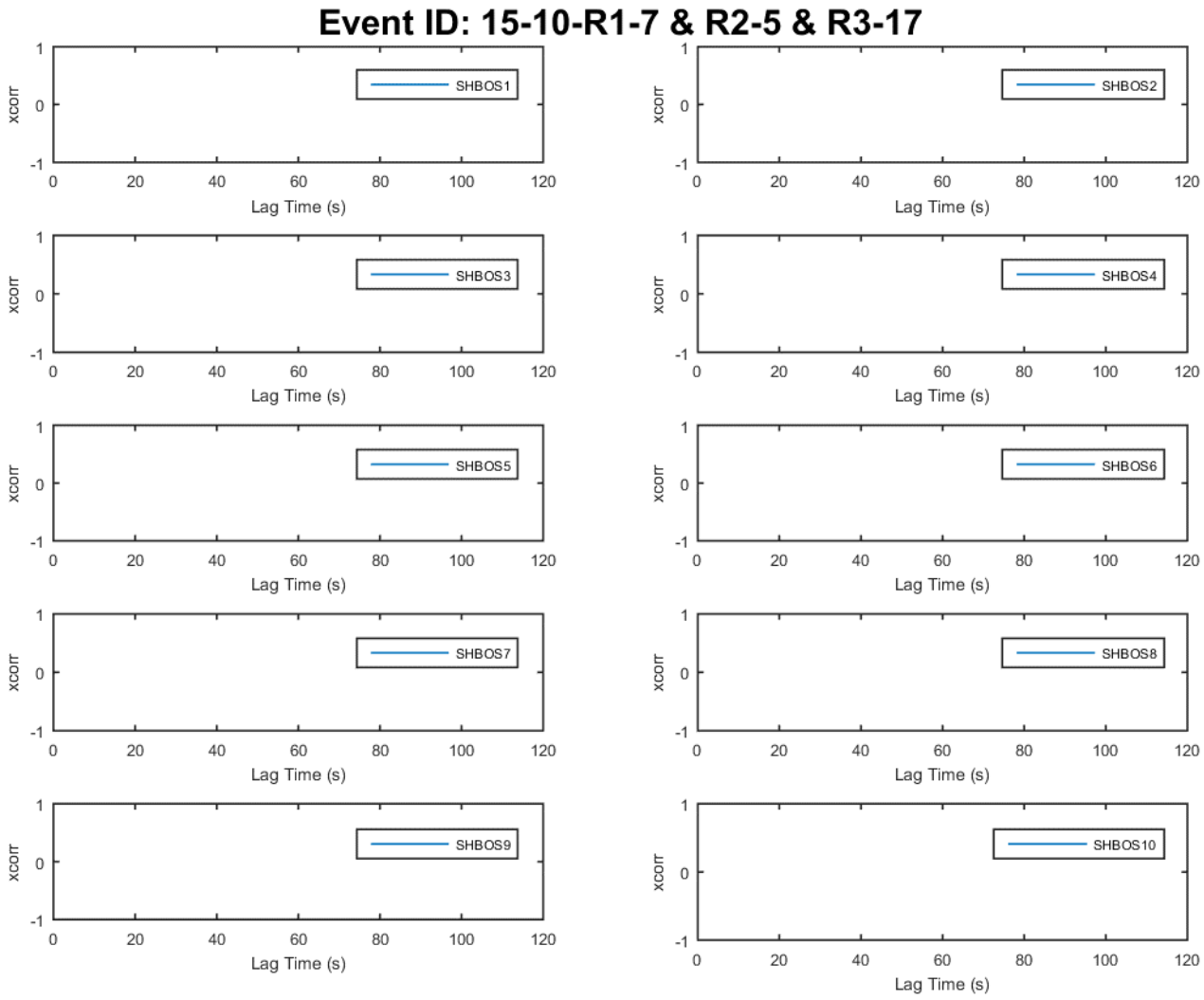


FIGURE 3.699: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-7 & R2-5 & R3-17

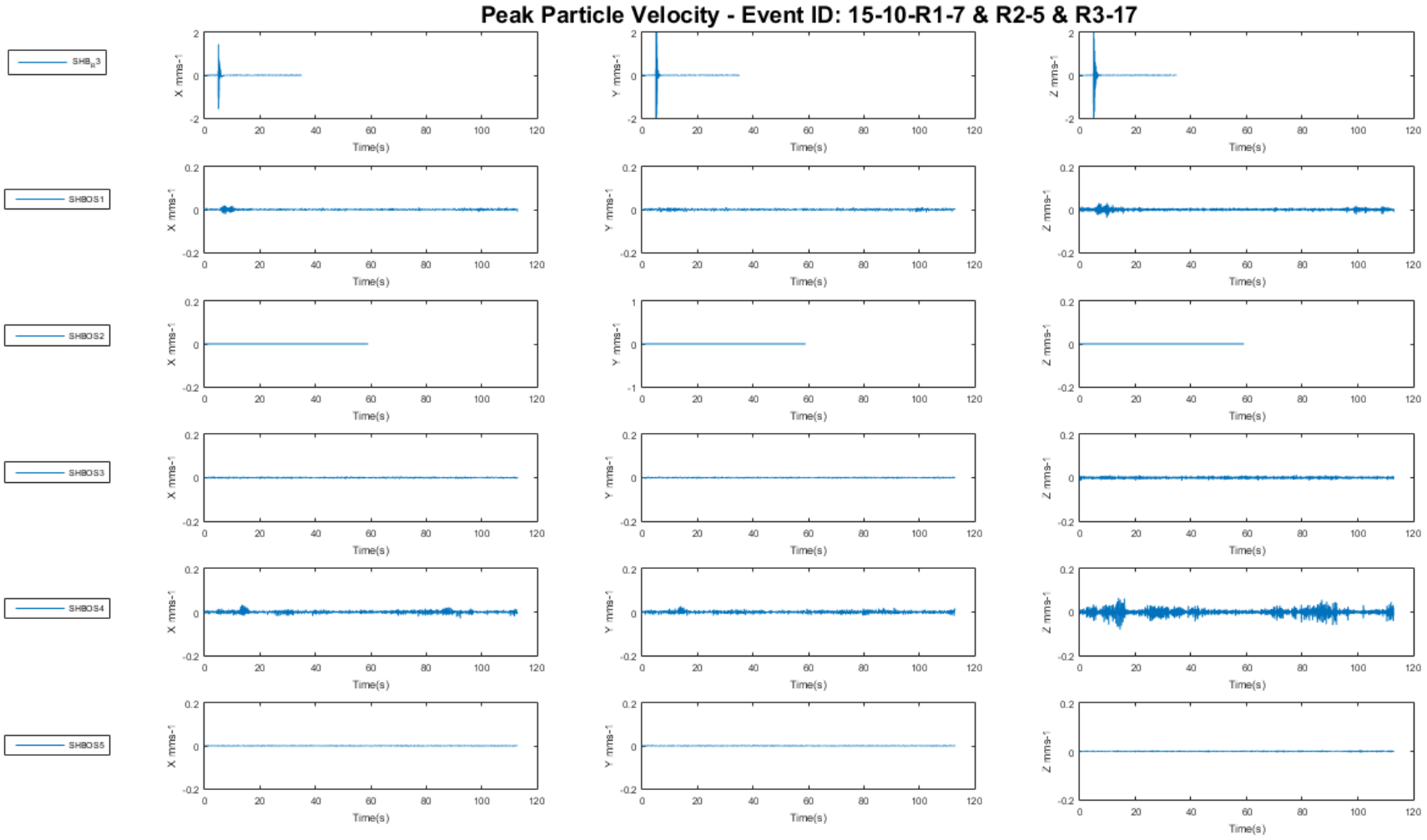


FIGURE 3.700: SHB_OS 1 - 5 15-10-R1-7 & R2-5 & R3-17

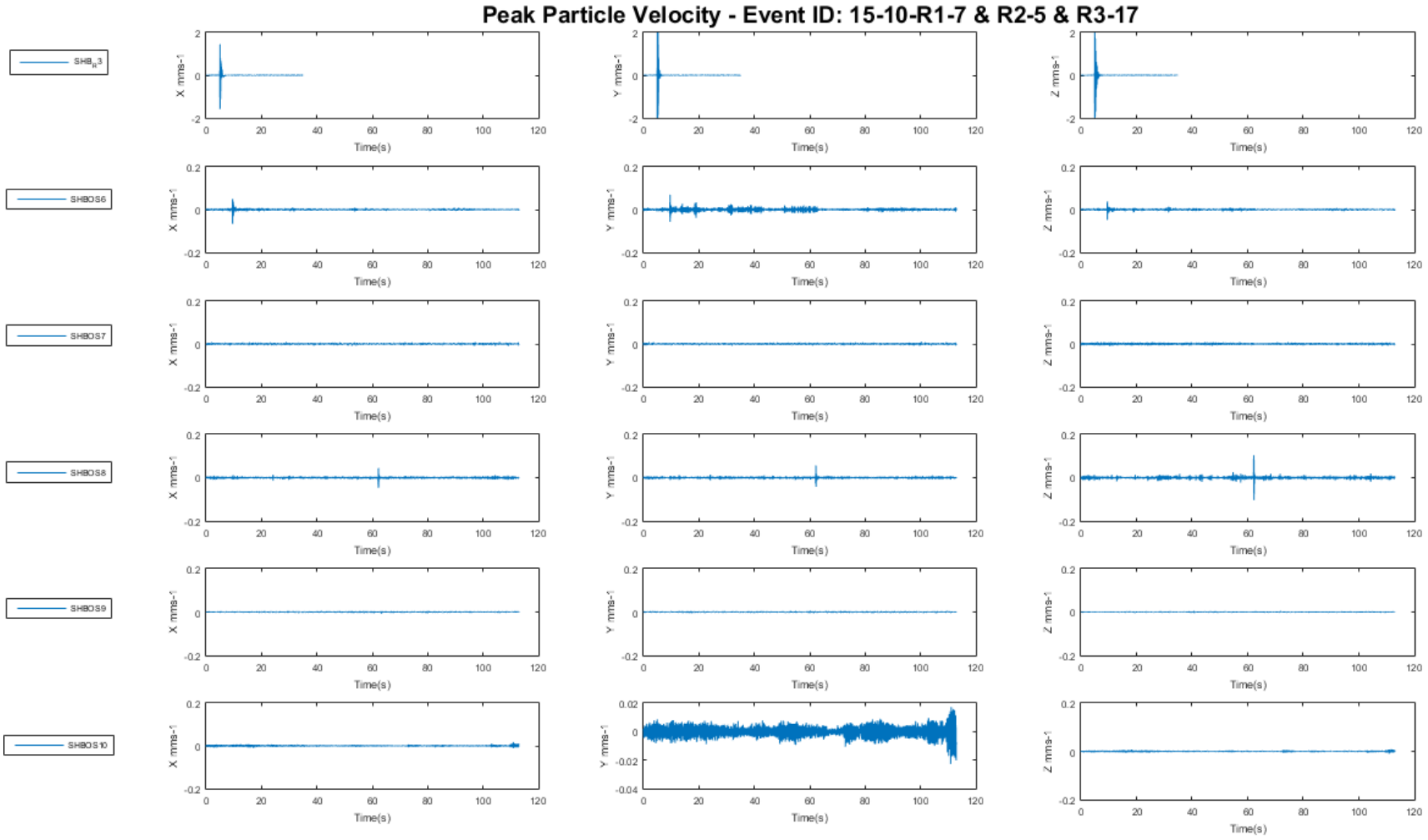


FIGURE 3.701: SHB_OS 6 - 10 15-10-R1-7 & R2-5 & R3-17

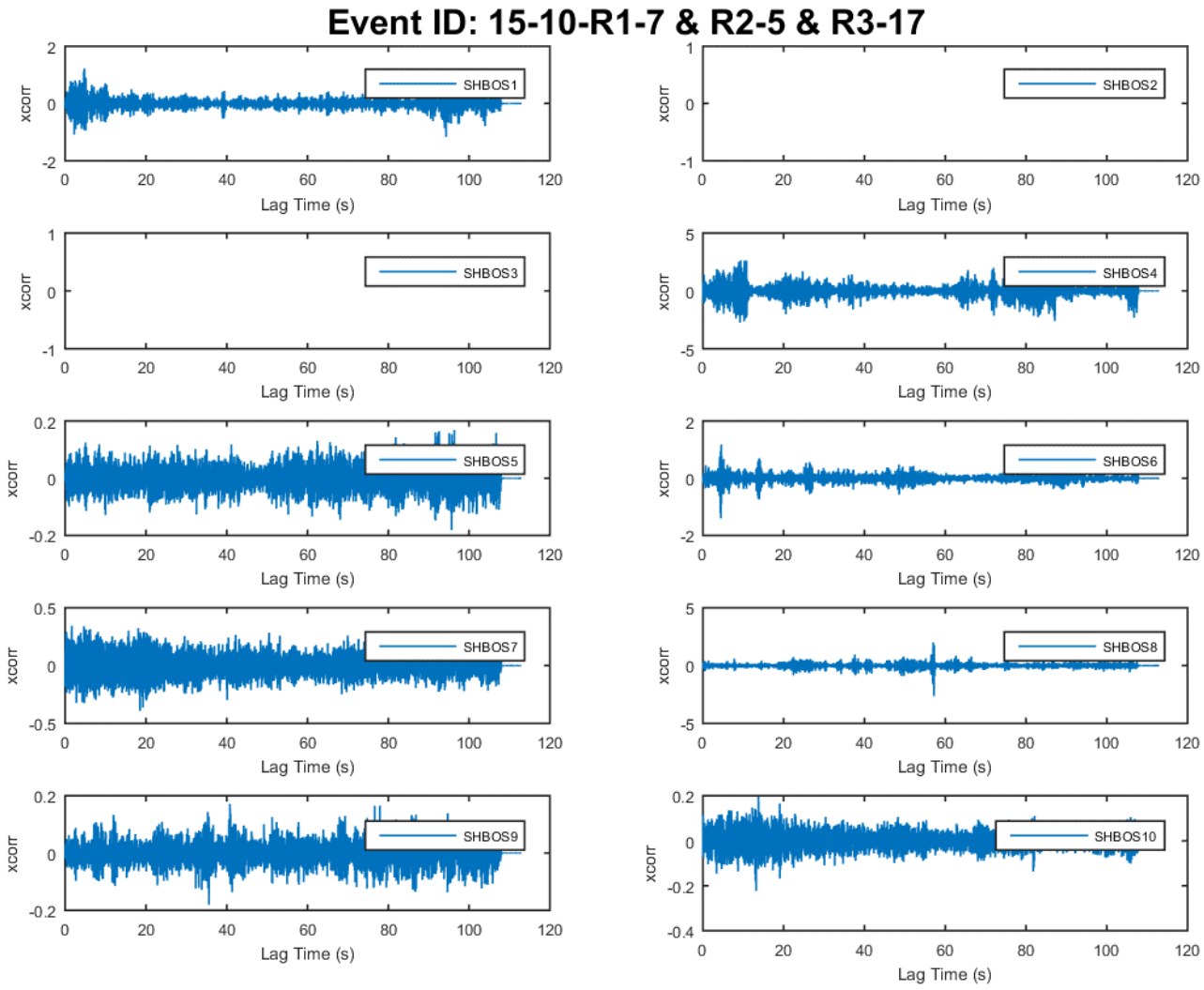


FIGURE 3.702: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-7 & R2-5 & R3-17

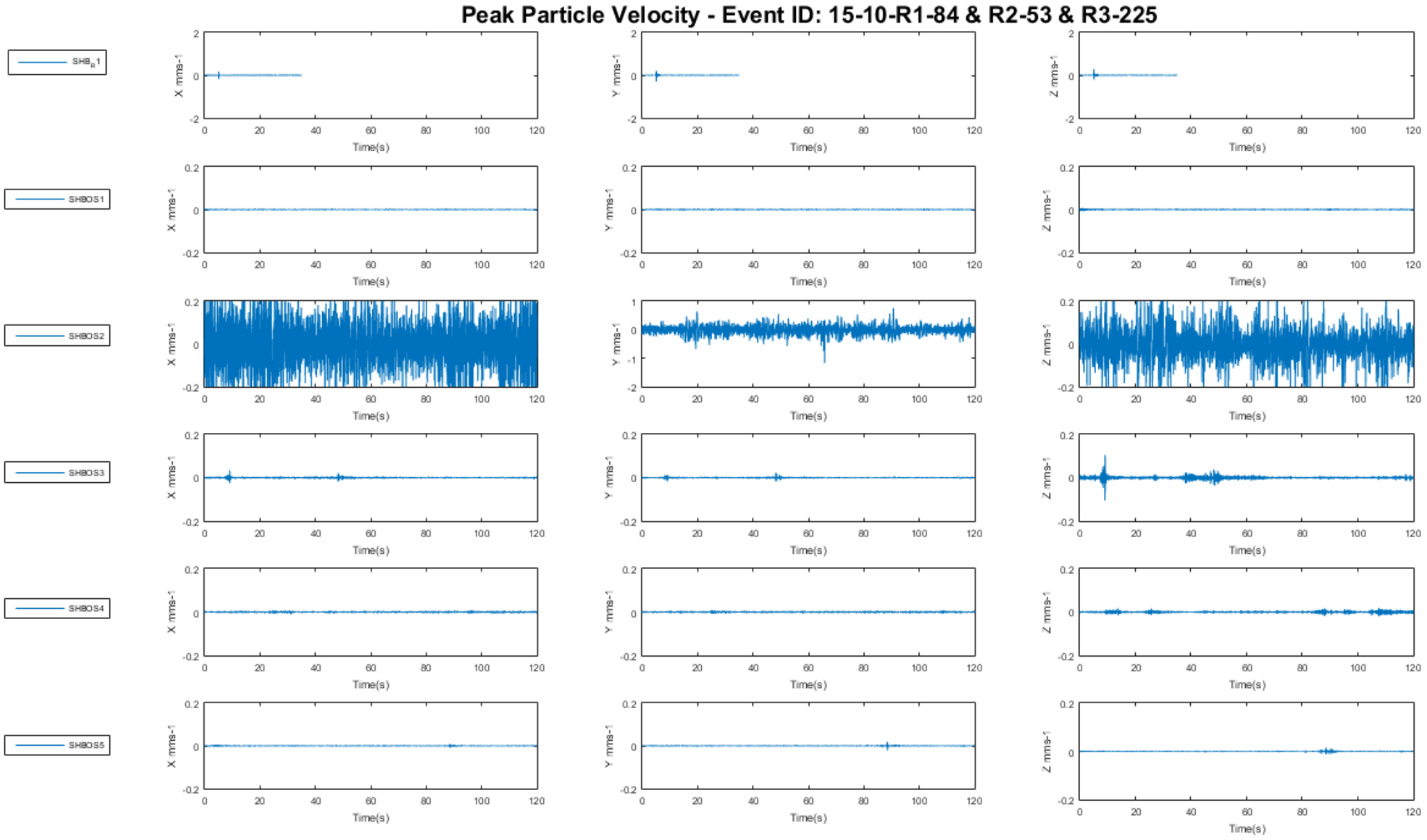


FIGURE 3.703: SHB_OS 1 - 5 15-10-R1-84 & R2-53 & R3-225

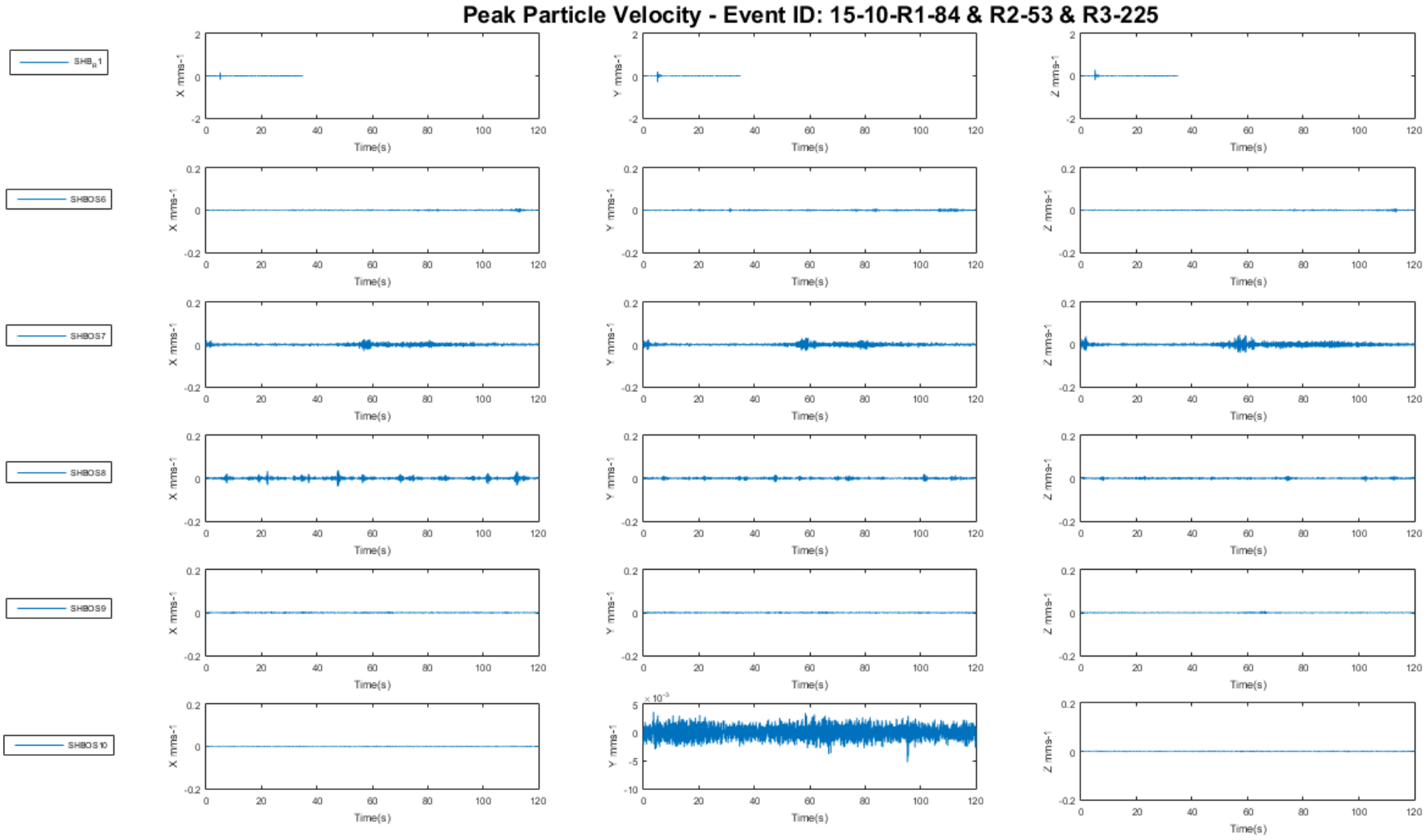


FIGURE 3.704: SHB_OS 6 - 10 15-10-R1-84 & R2-53 & R3-225

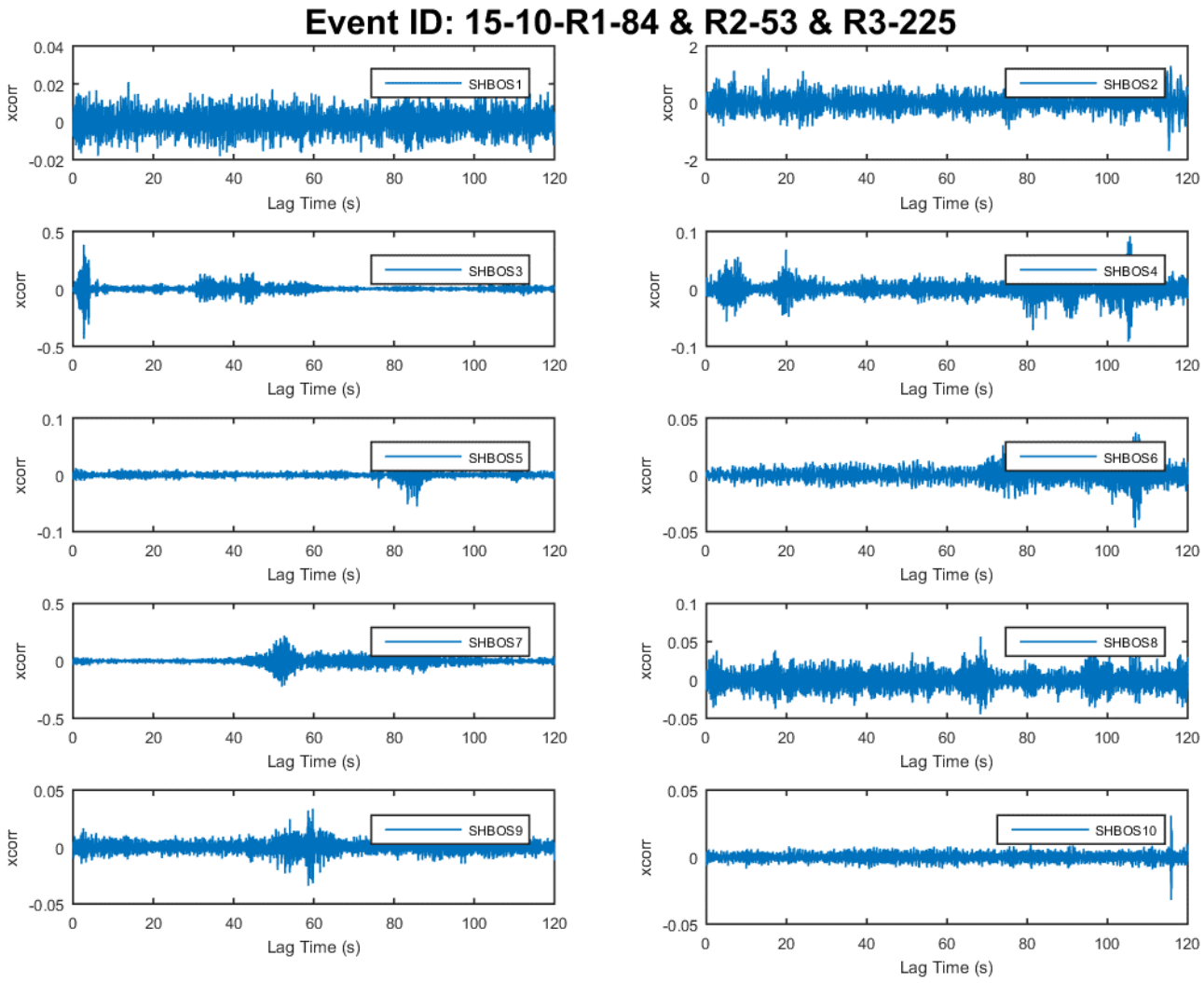


FIGURE 3.705: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-84 & R2-53 & R3-225

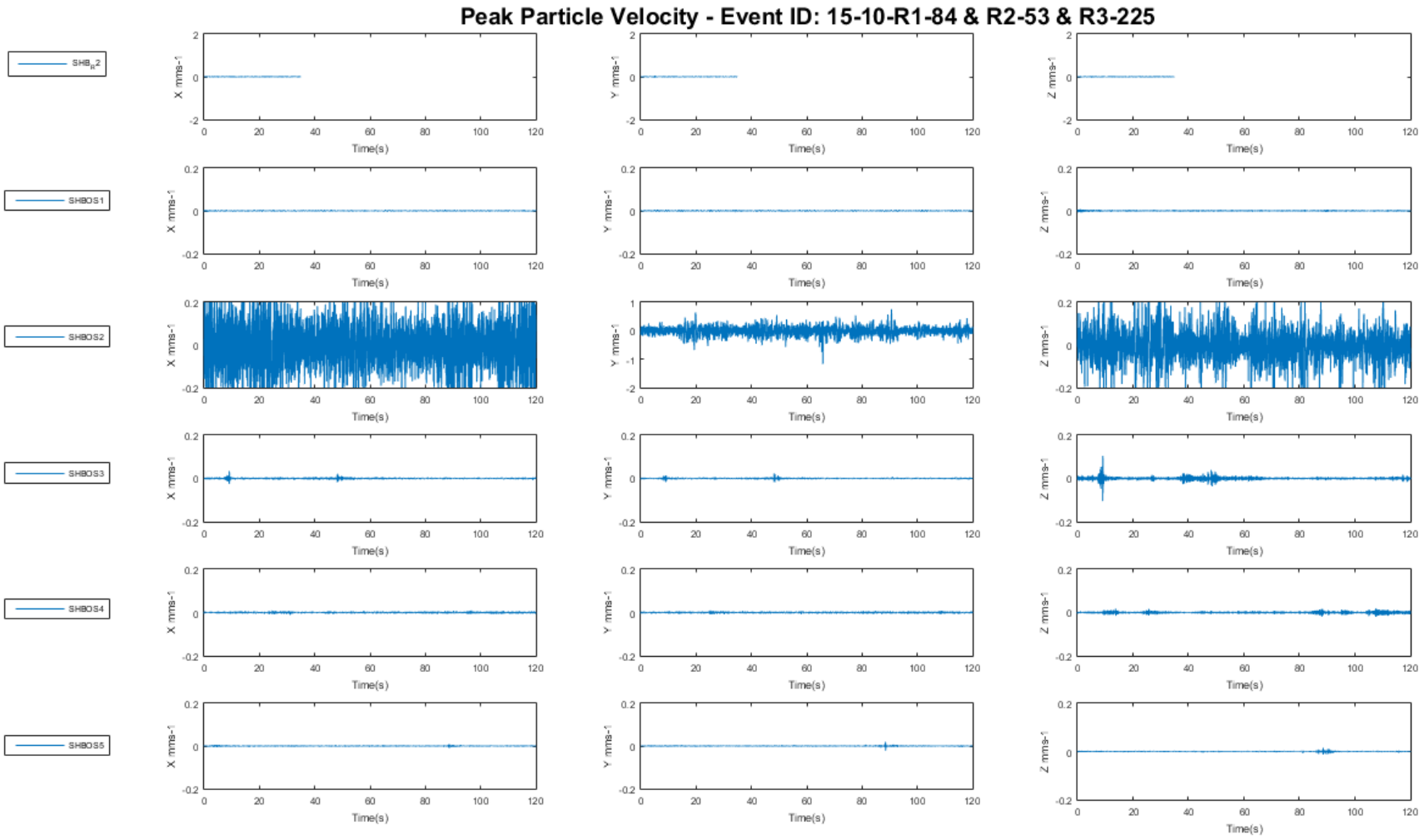


FIGURE 3.706: SHB_OS 1 - 5 15-10-R1-84 & R2-53 & R3-225

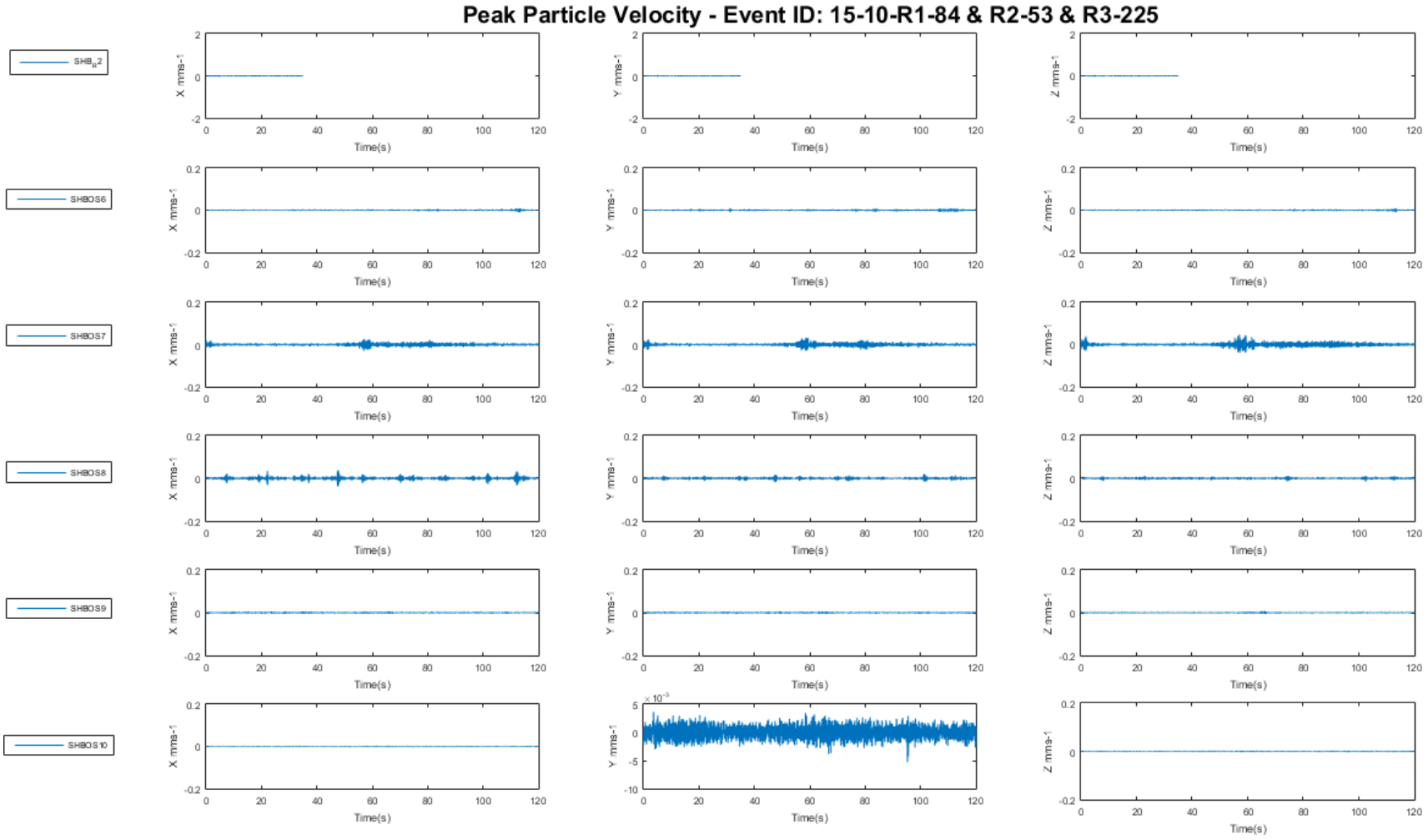


FIGURE 3.707: SHB_OS 6 - 10 15-10-R1-84 & R2-53 & R3-225

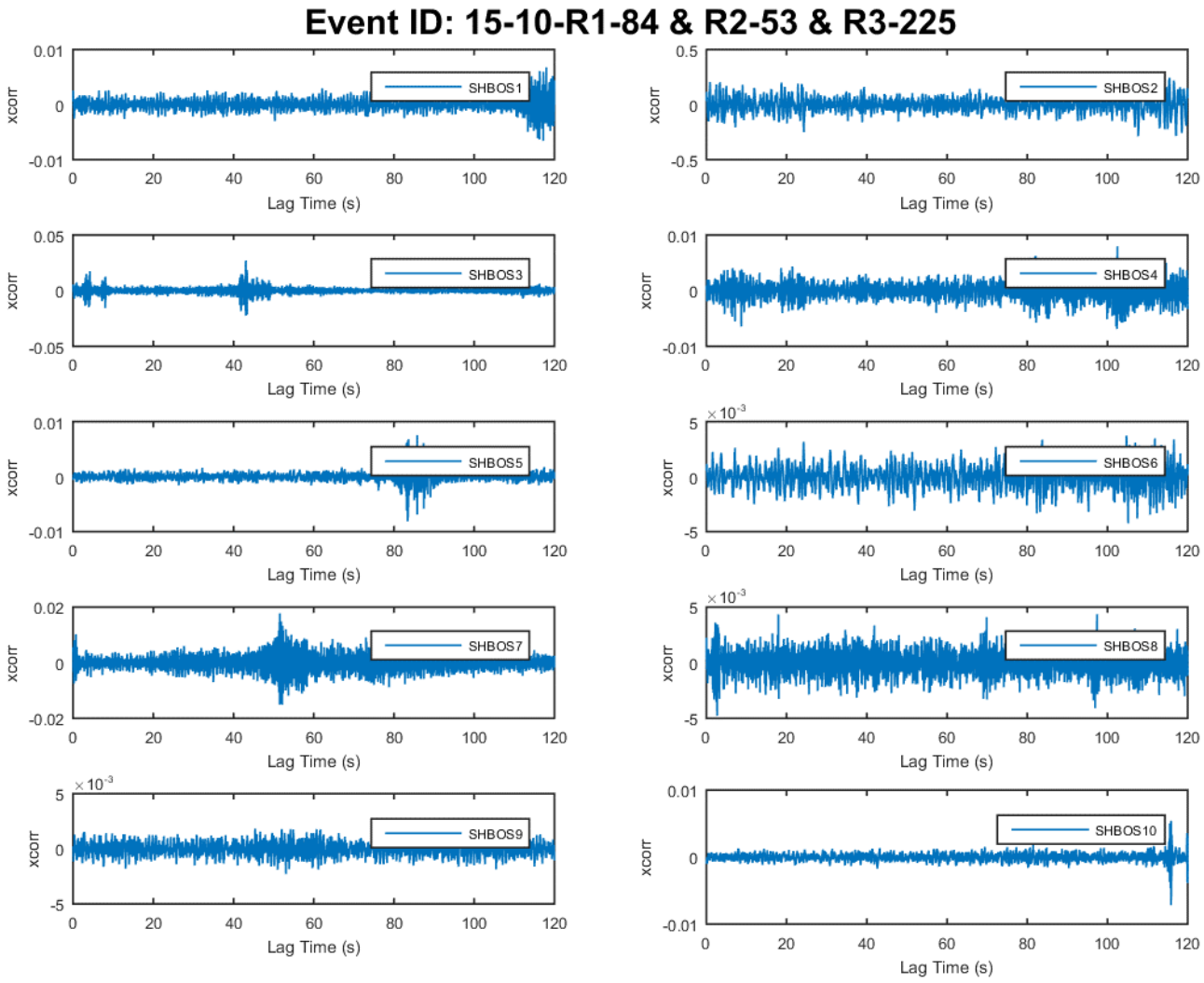


FIGURE 3.708: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-84 & R2-53 & R3-225

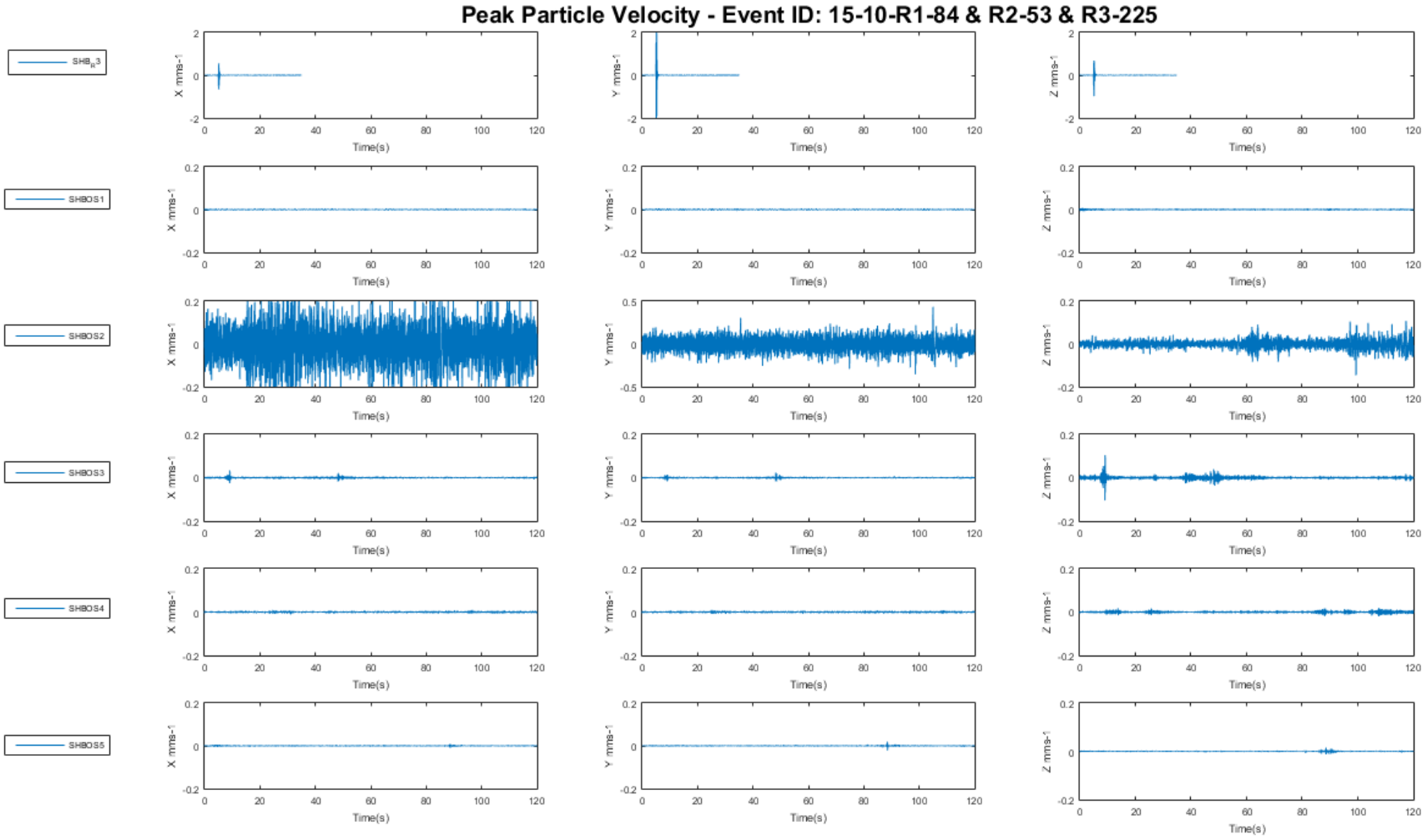


FIGURE 3.709: SHB_OS 1 - 5 15-10-R1-84 & R2-53 & R3-225

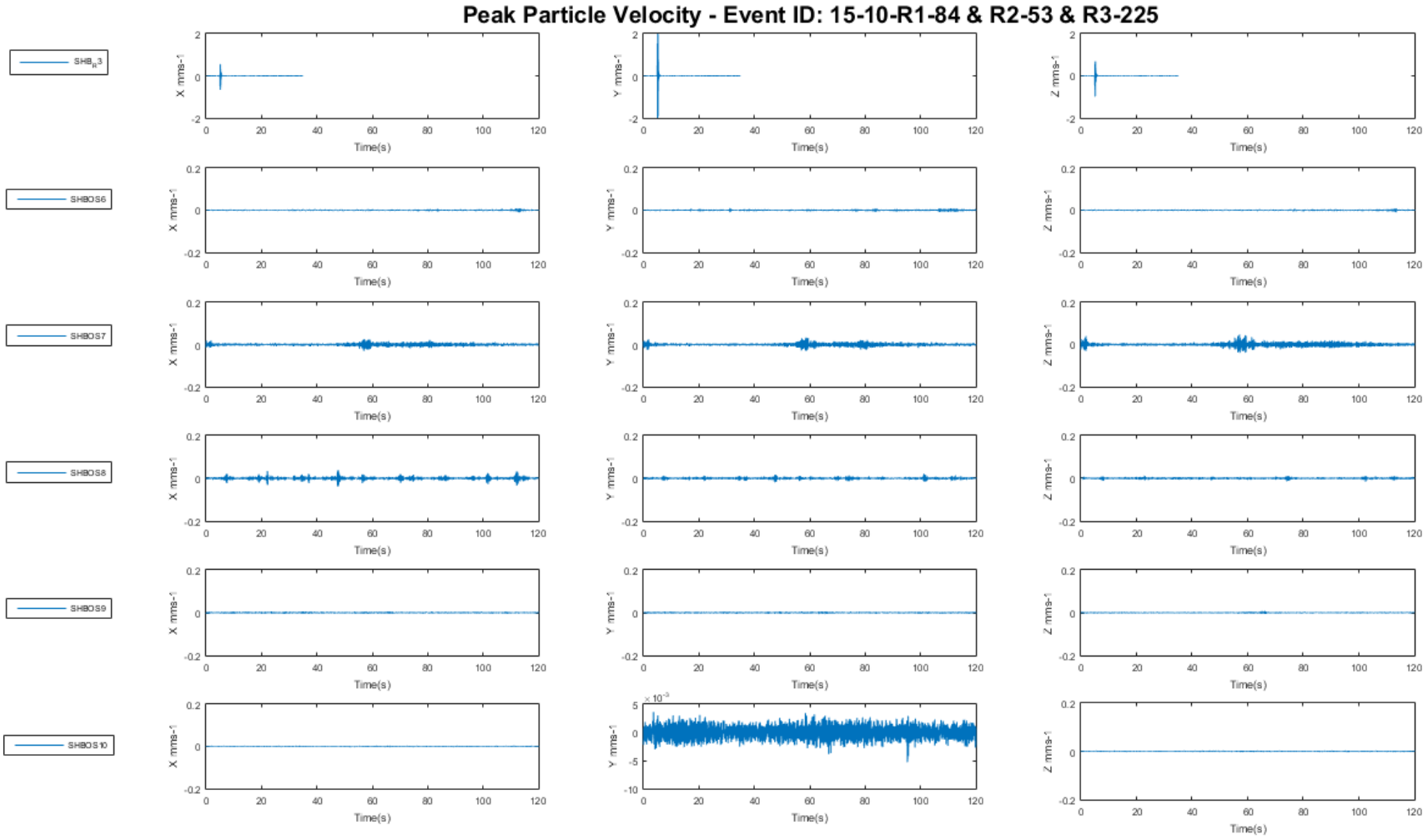


FIGURE 3.710: SHB_OS 6 - 10 15-10-R1-84 & R2-53 & R3-225

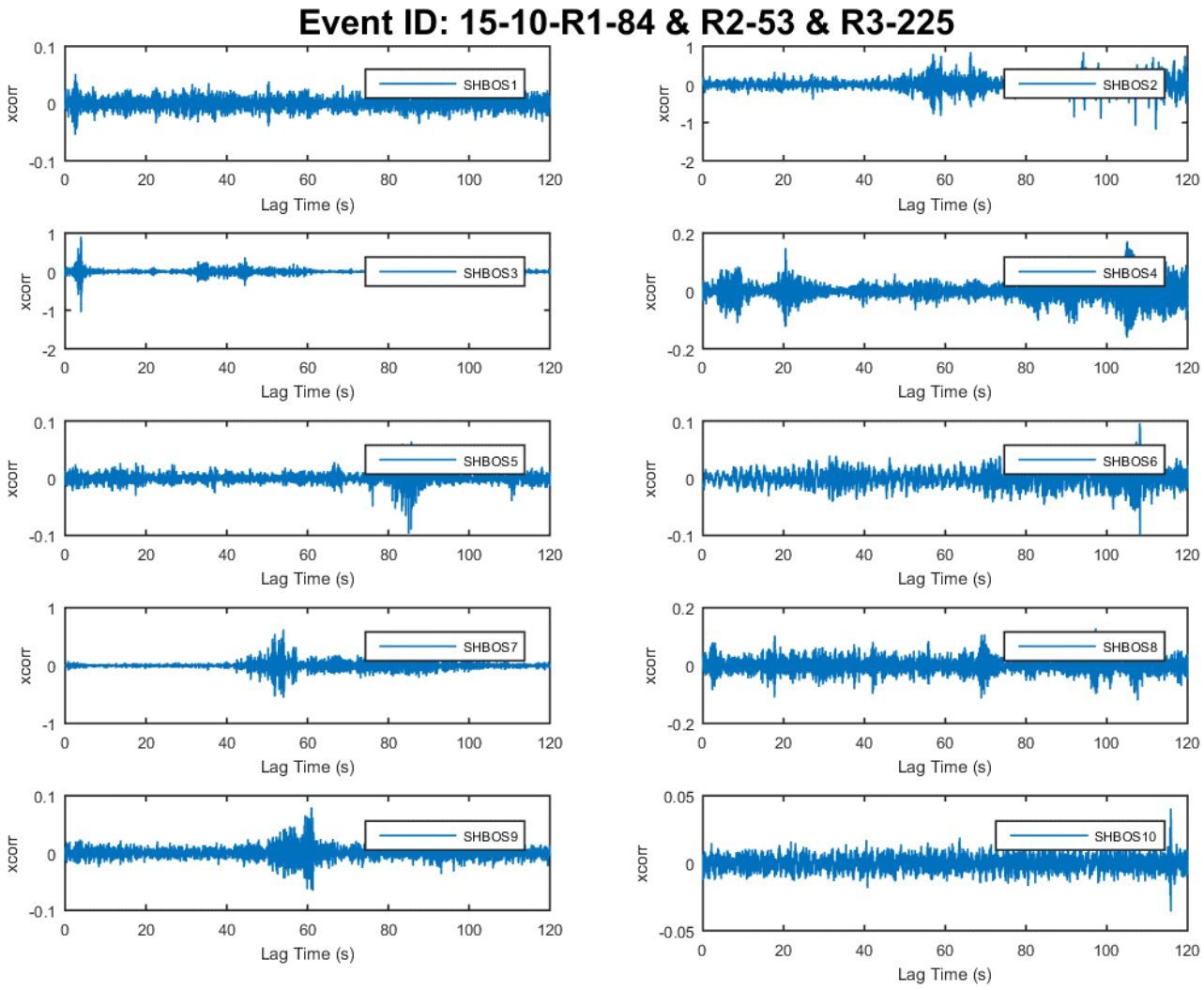


FIGURE 3.711: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-84 & R2-53 & R3-225

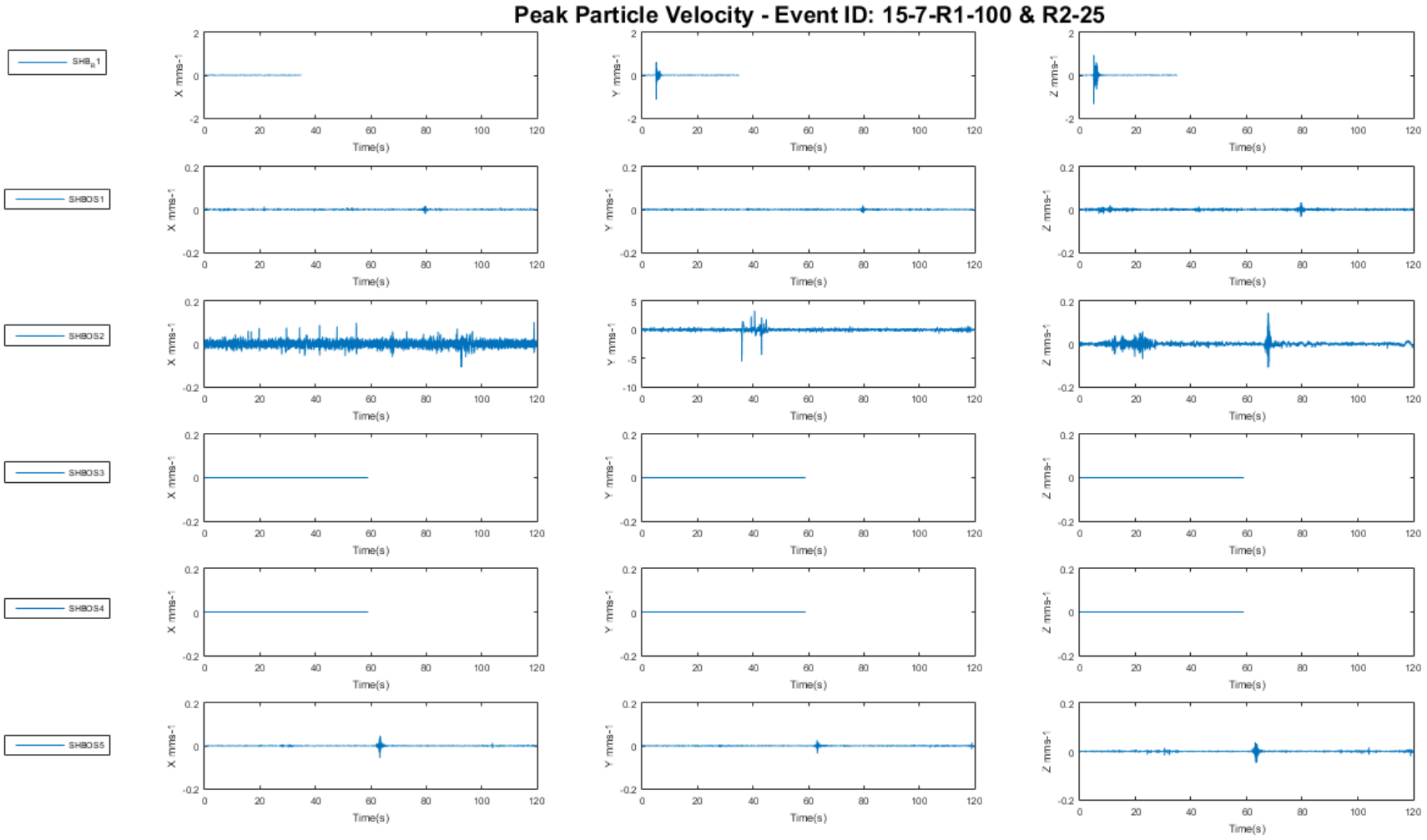


FIGURE 3.712: SHB_OS 1 - 5 15-7-R1-100 & R2-25

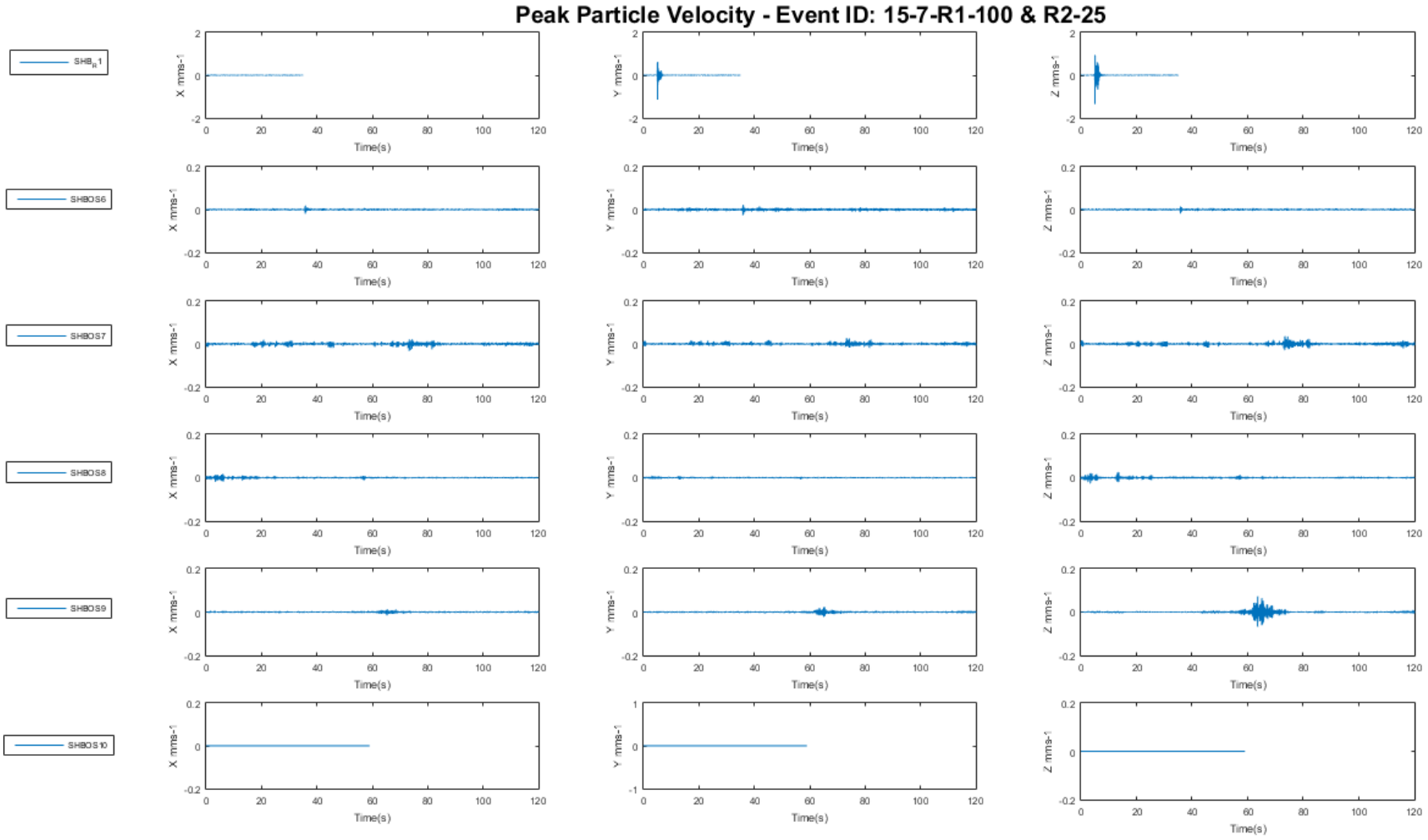


FIGURE 3.713: SHB_OS 6 - 10 15-7-R1-100 & R2-25

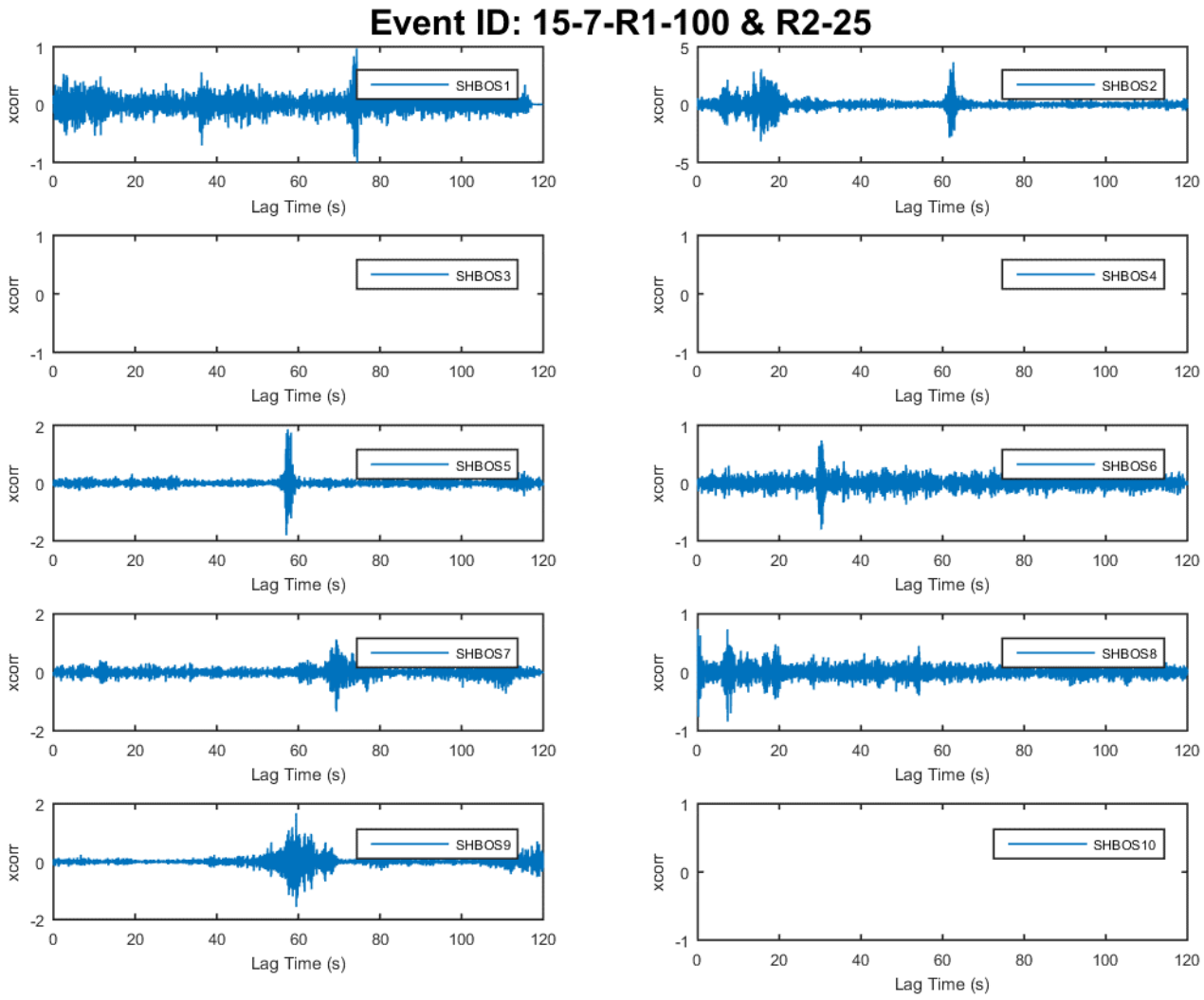


FIGURE 3.714: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-100 & R2-25

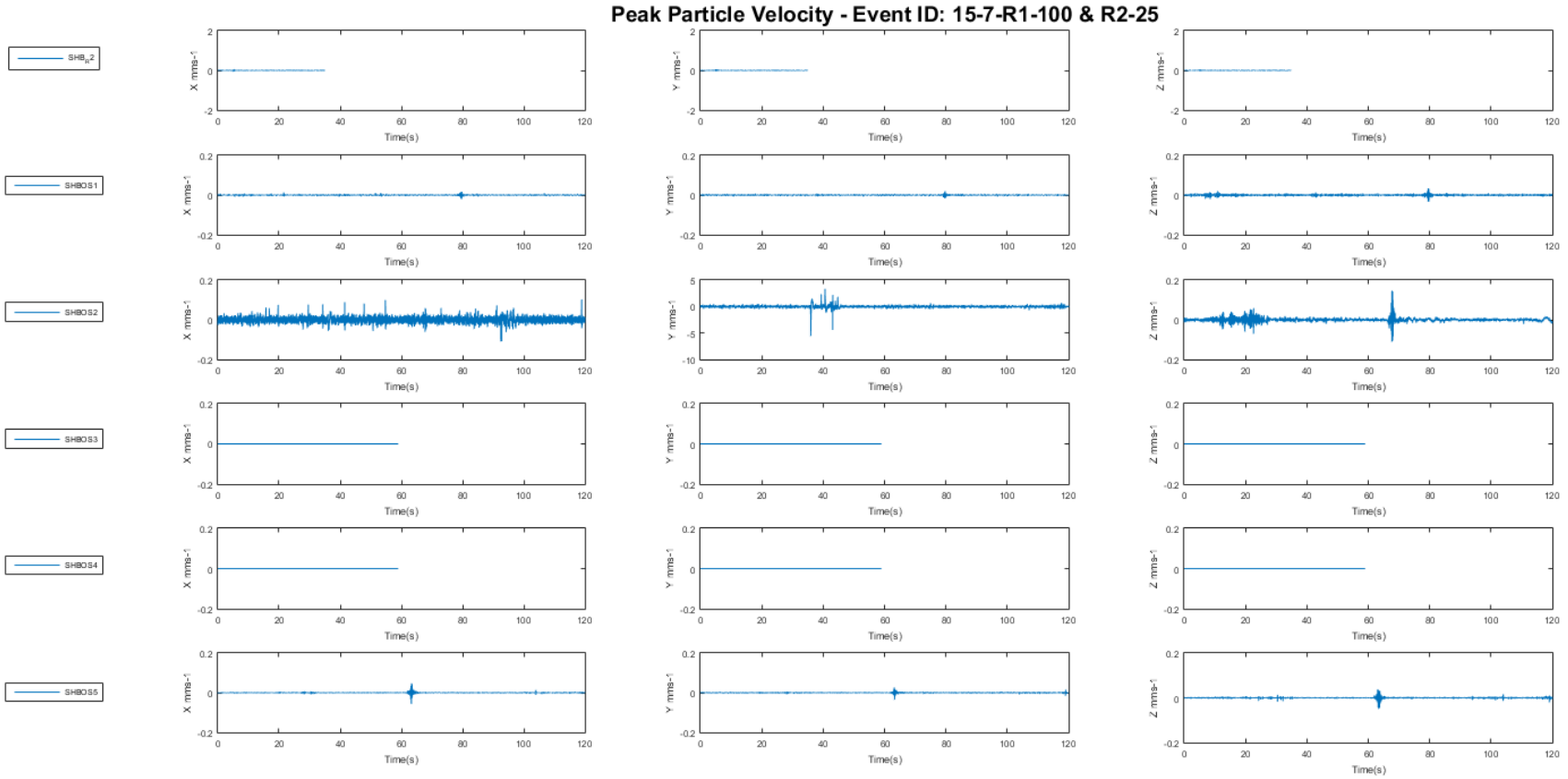
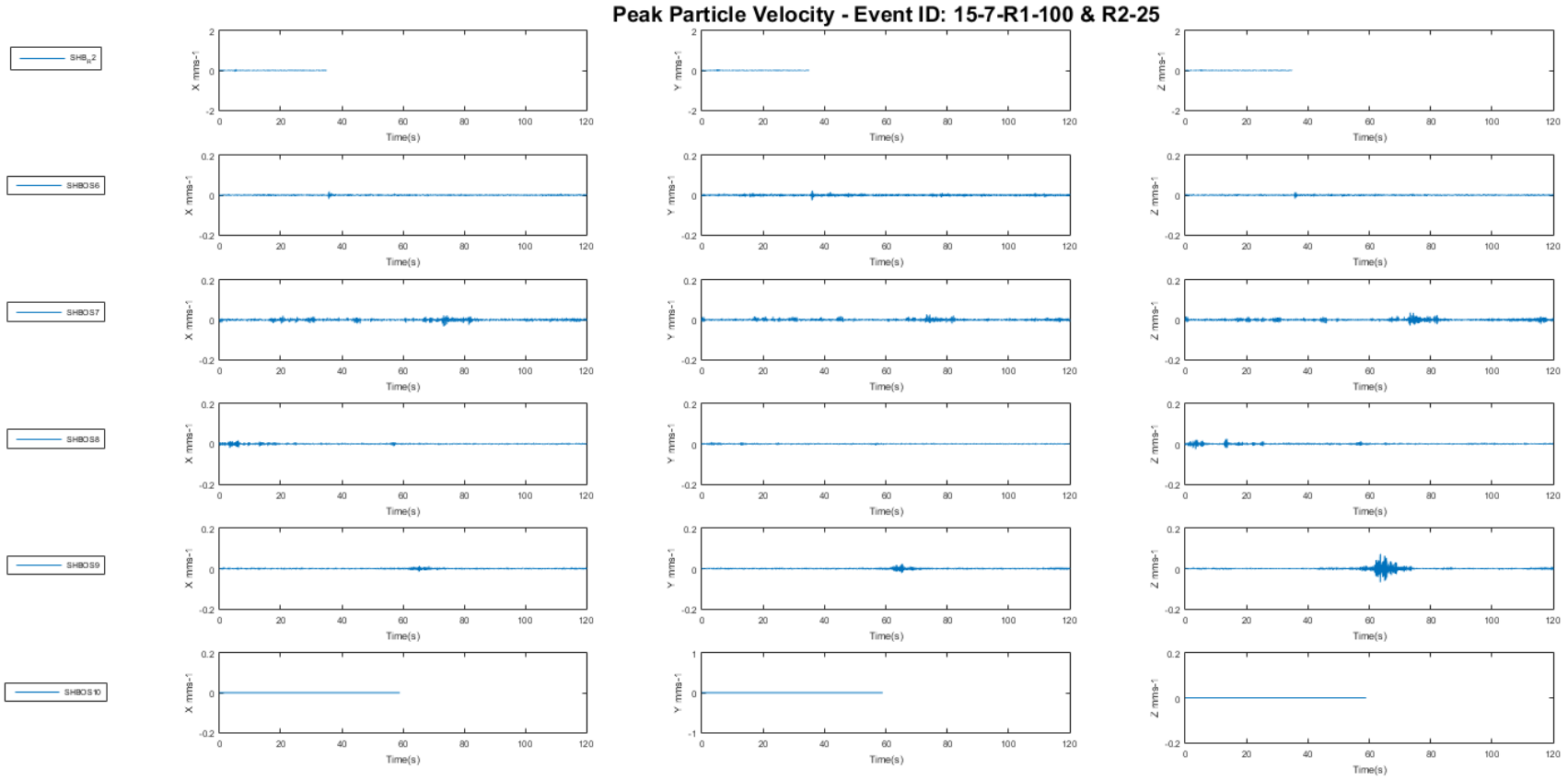


FIGURE 3.715: SHB_OS 1 - 5 15-7-R1-100 & R2-25

FIGURE 3.716: SHB_OS 6 - 10 15-7-R1-100 & R2-25



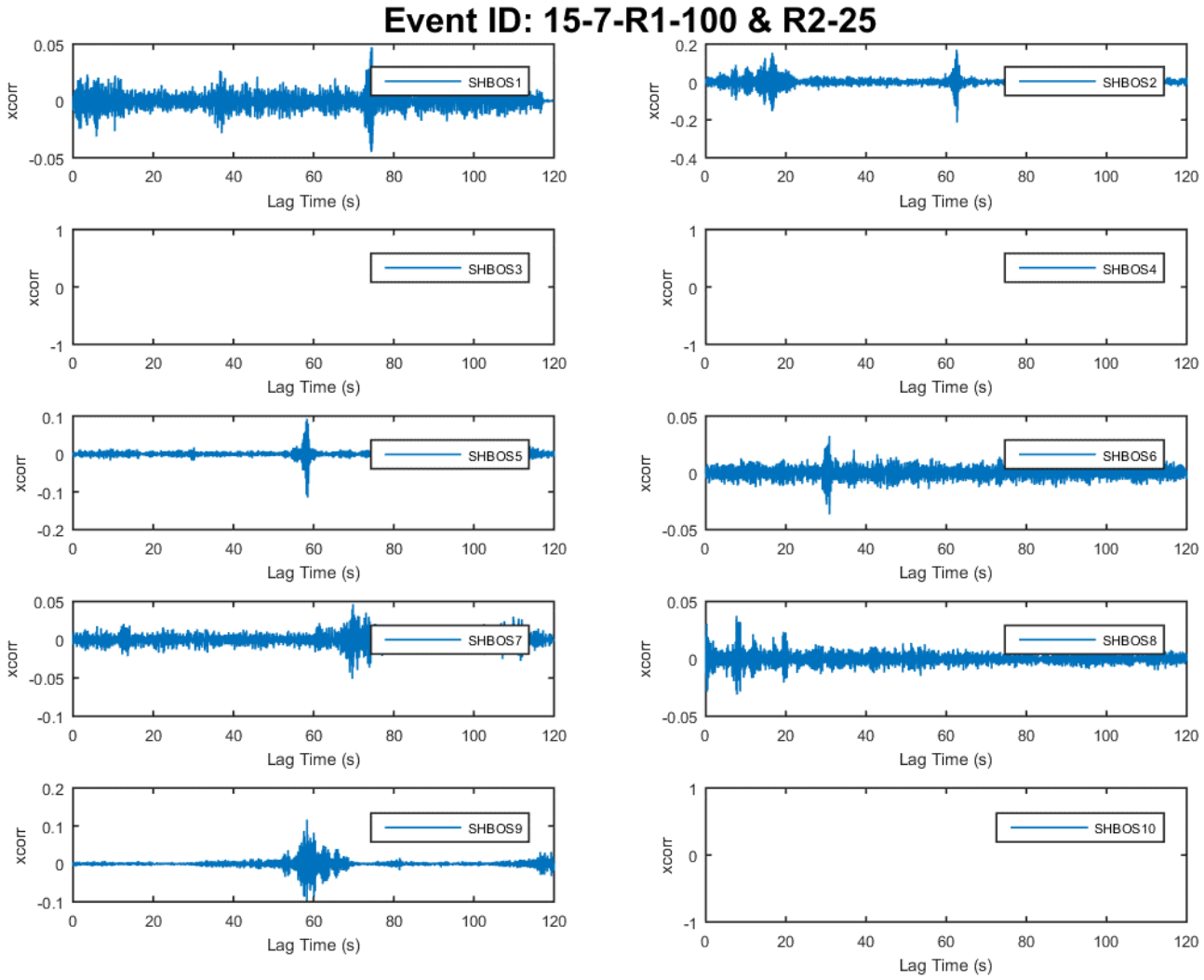


FIGURE 3.717: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-100 & R2-25

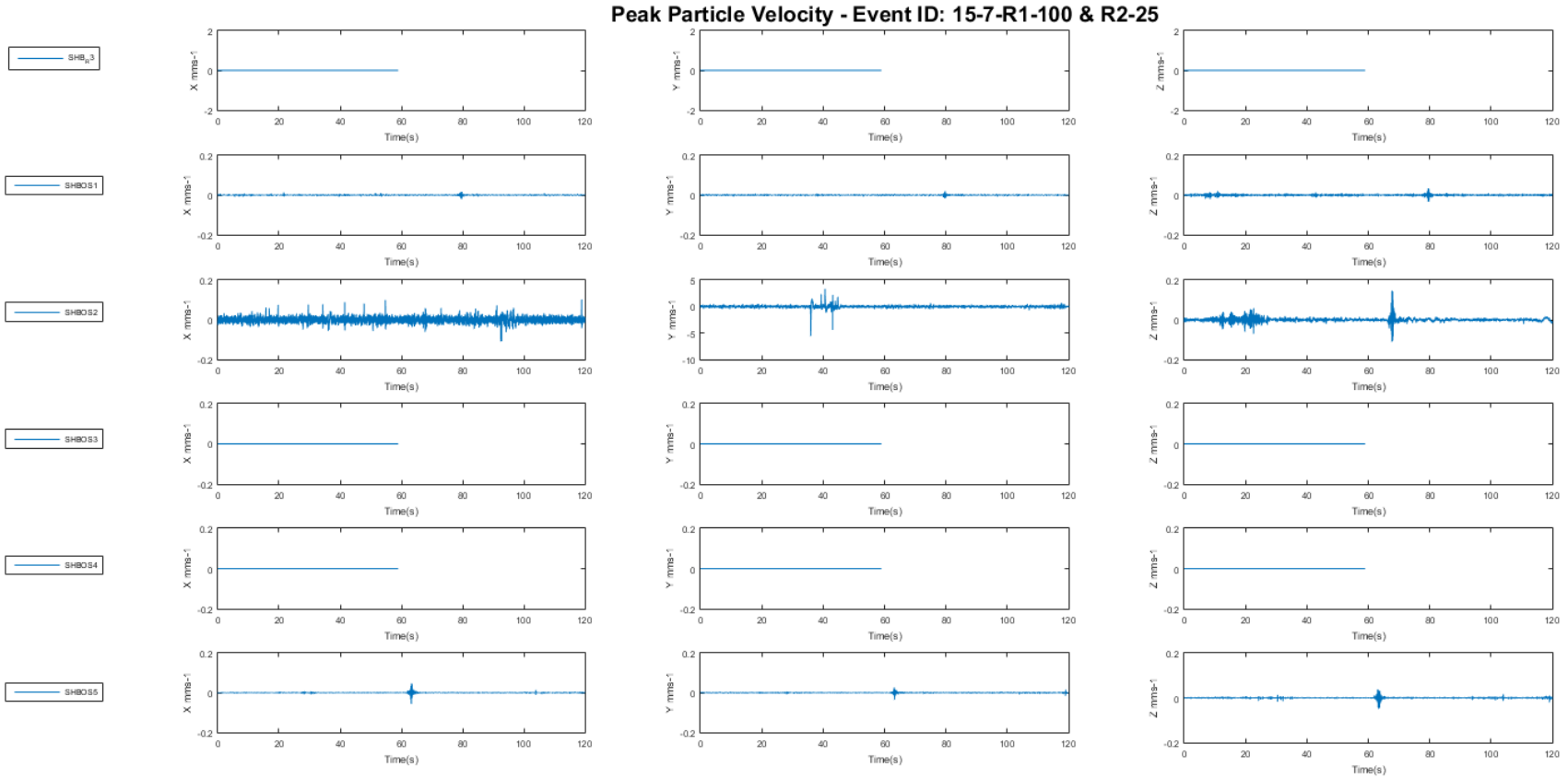
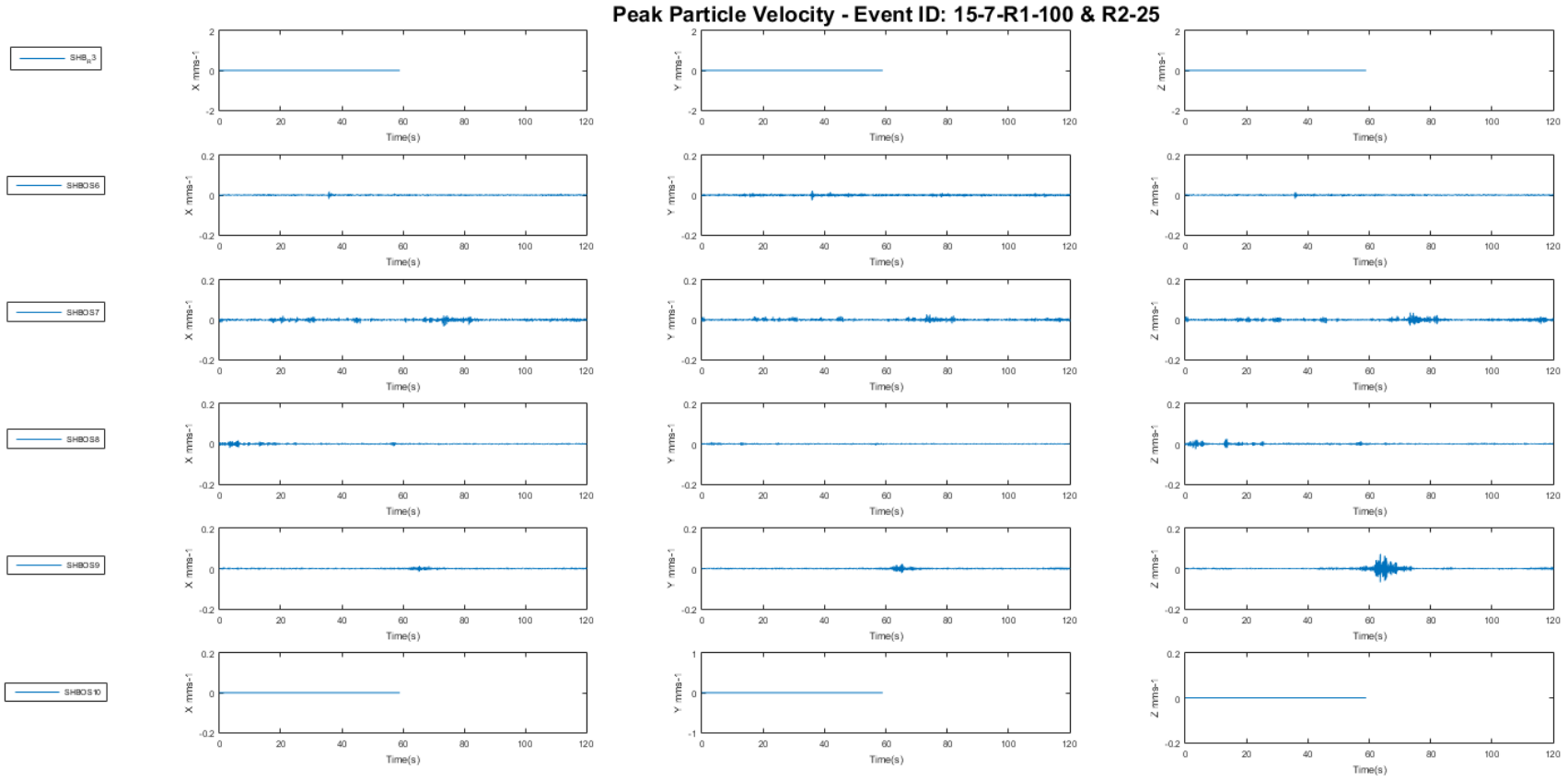


FIGURE 3.718: SHB_OS 1 - 5 15-7-R1-100 & R2-25

FIGURE 3.719: SHB_OS 6 - 10 15-7-R1-100 & R2-25



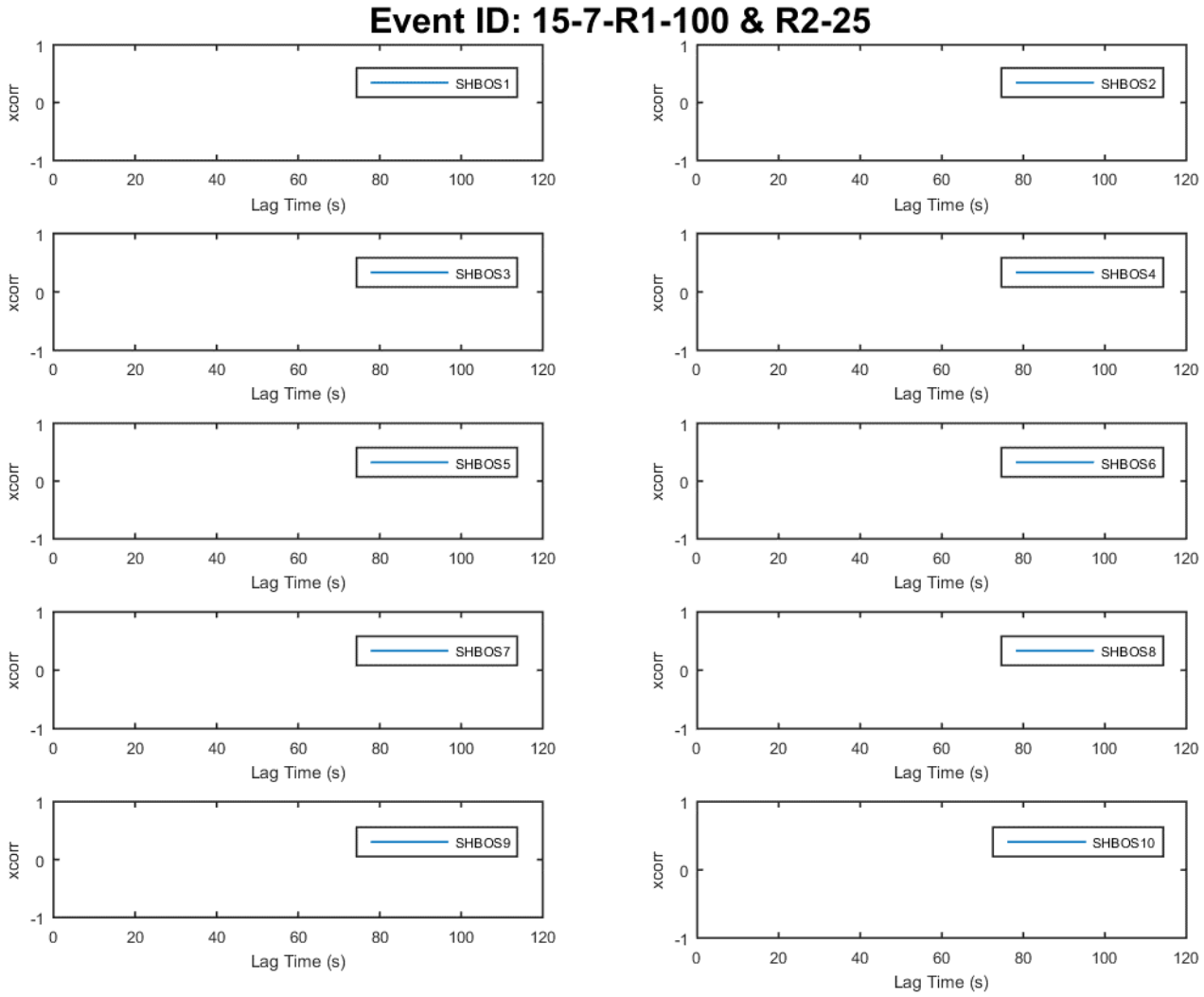


FIGURE 3.720: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-100 & R2-25

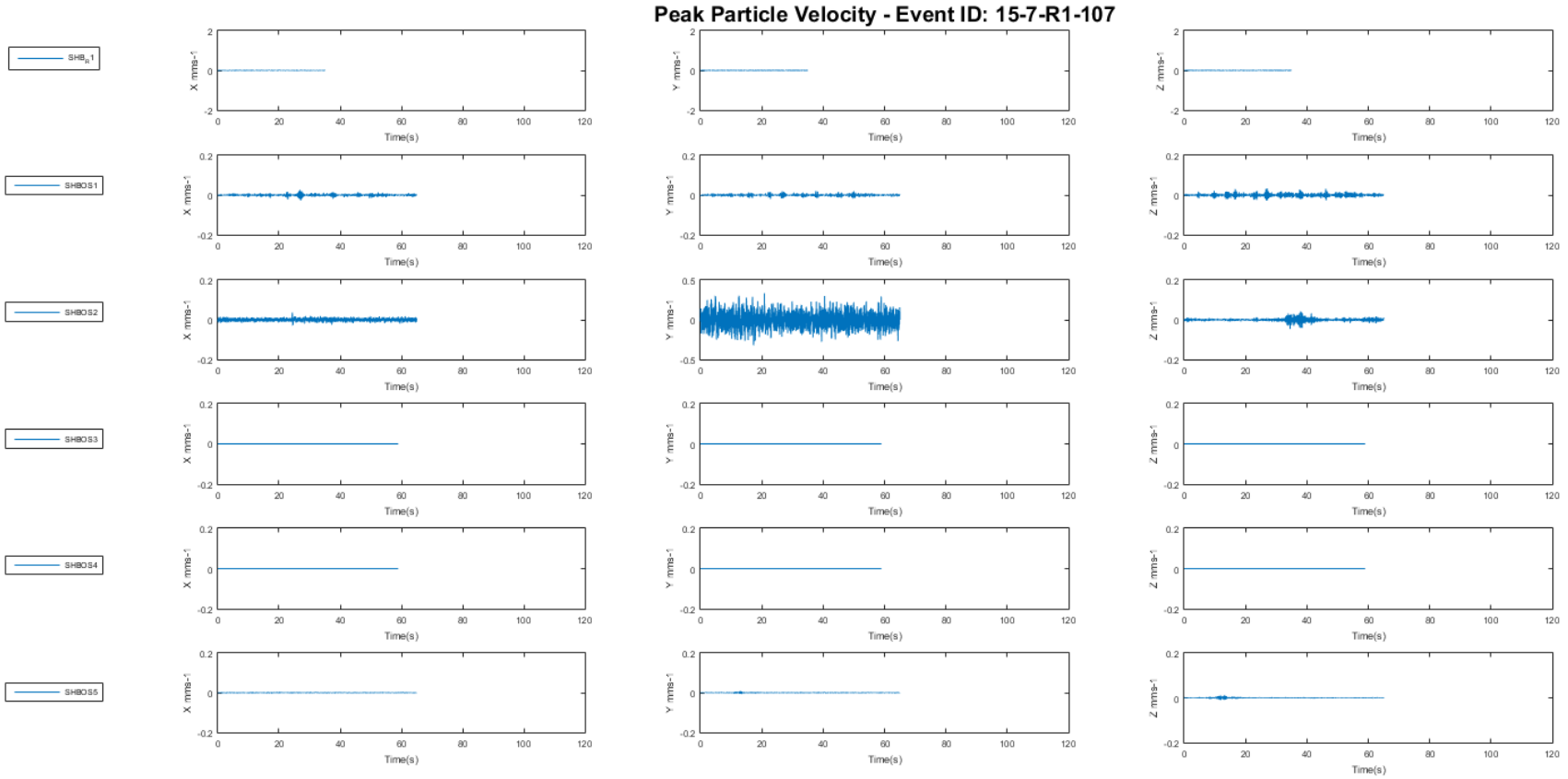
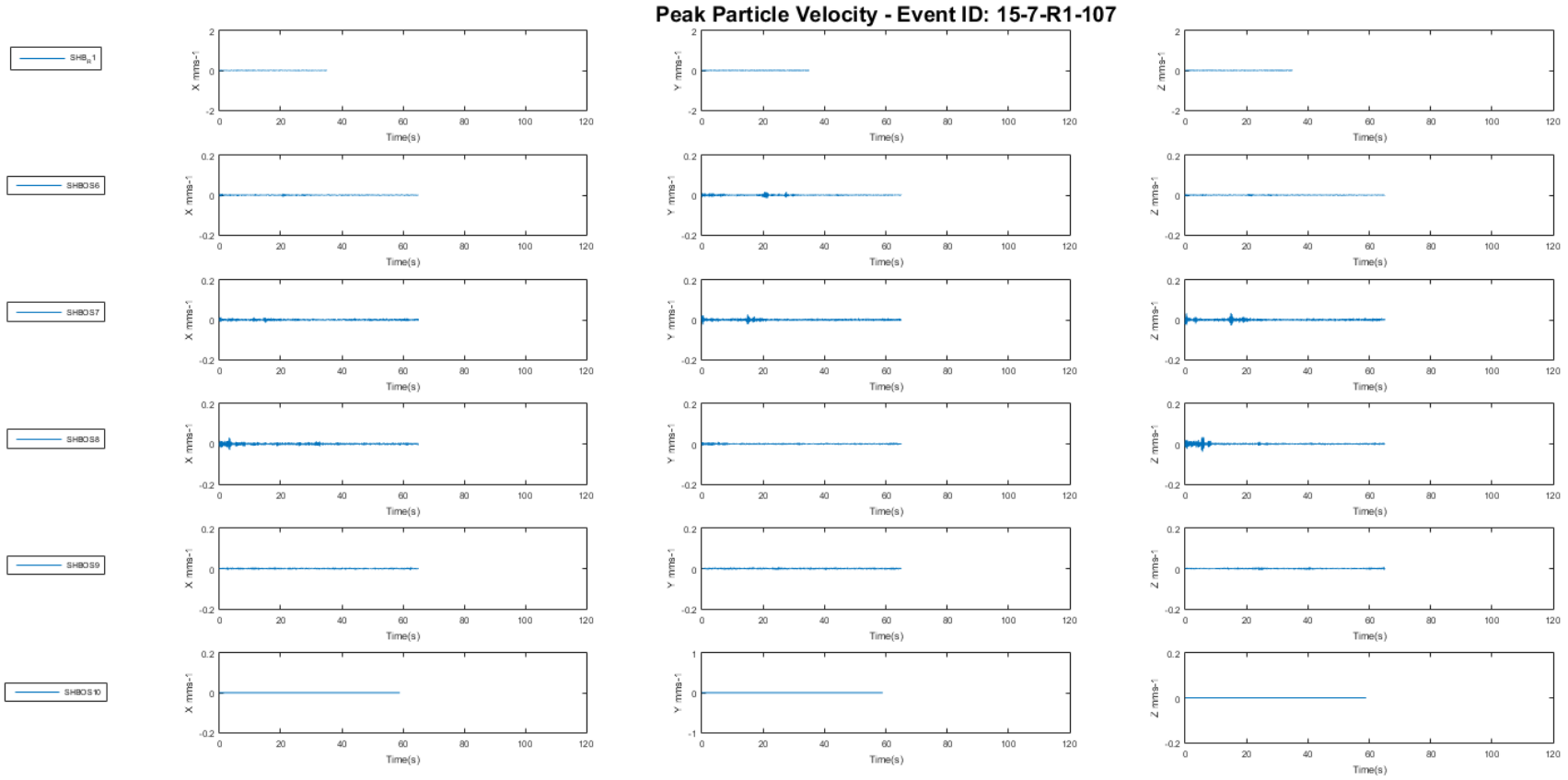


FIGURE 3.721: SHB_OS 1 - 5 15-7-R1-107

FIGURE 3.722: SHB_OS 6 - 10 15-7-R1-107



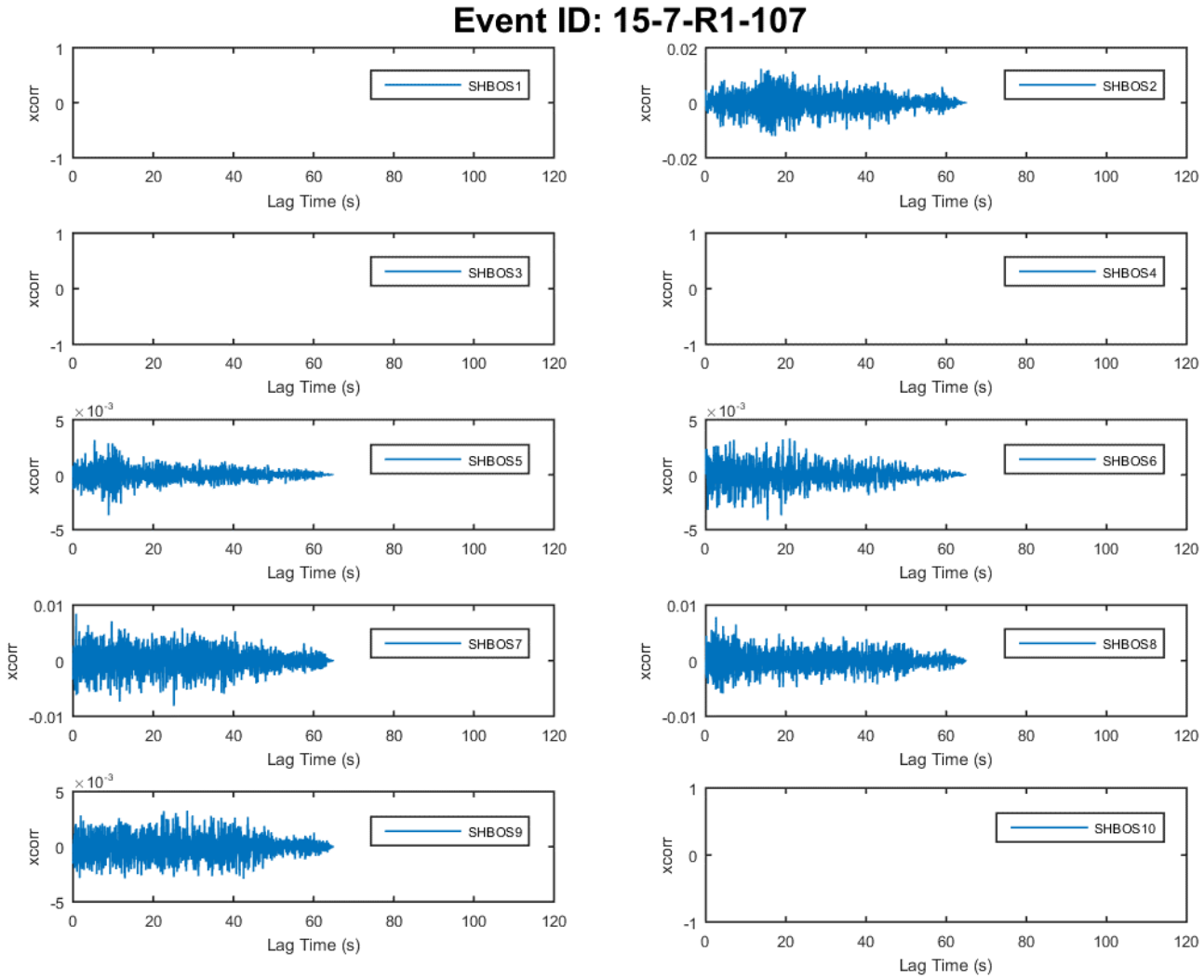


FIGURE 3.723: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-107

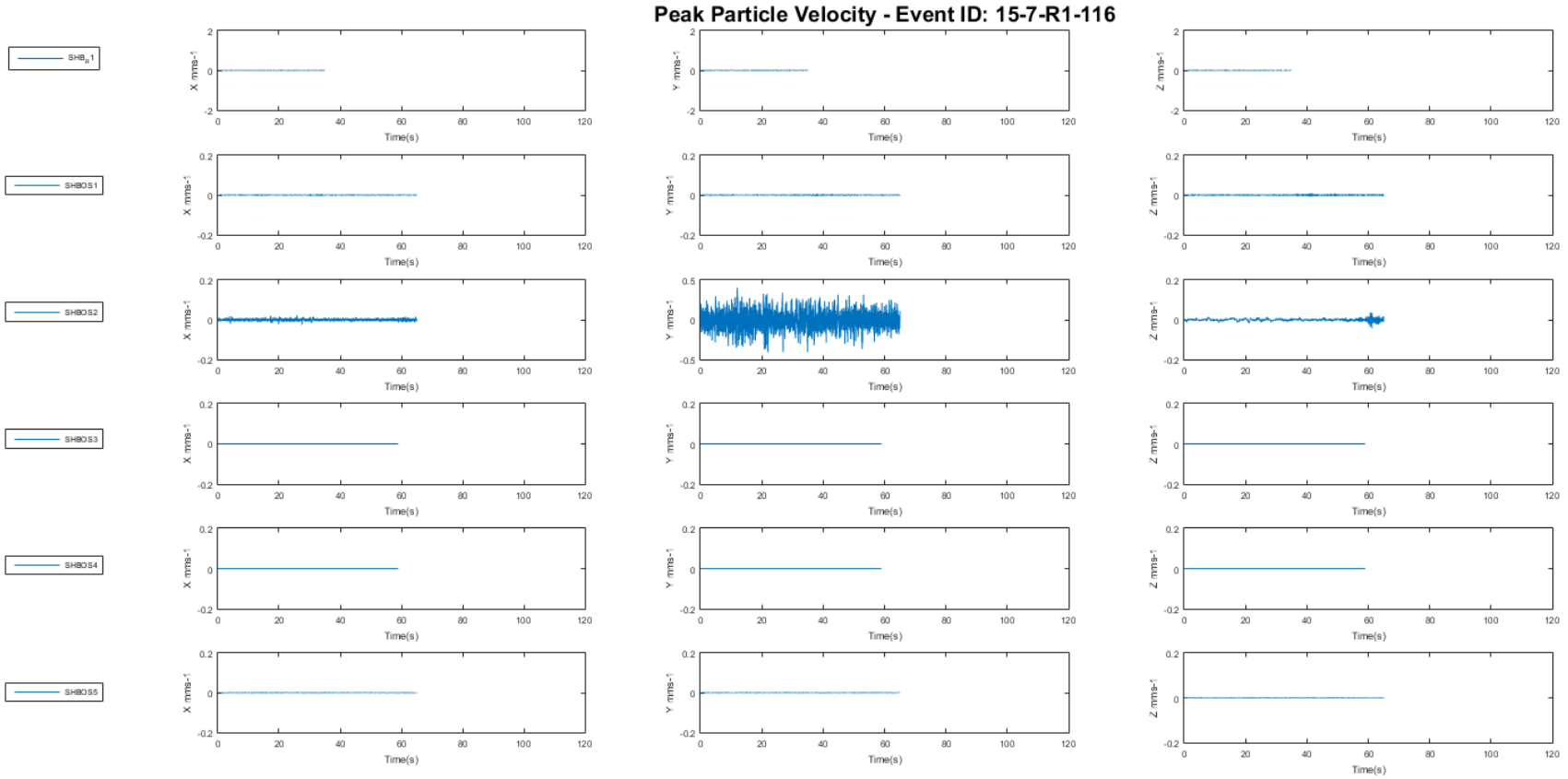
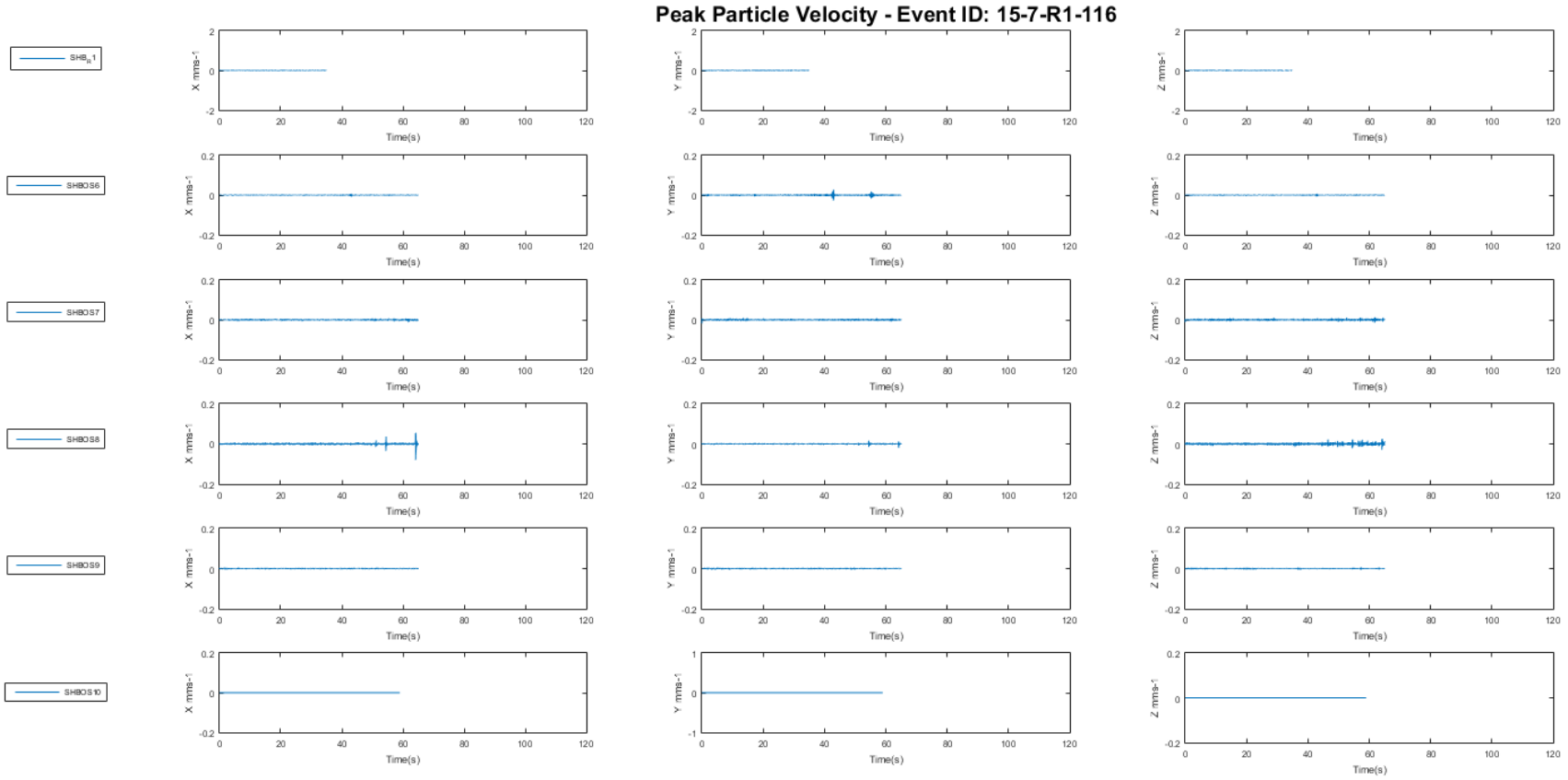


FIGURE 3.724: SHB_OS 1 - 5 15-7-R1-116

FIGURE 3.725: SHB_OS 6 - 10 15-7-R1-116



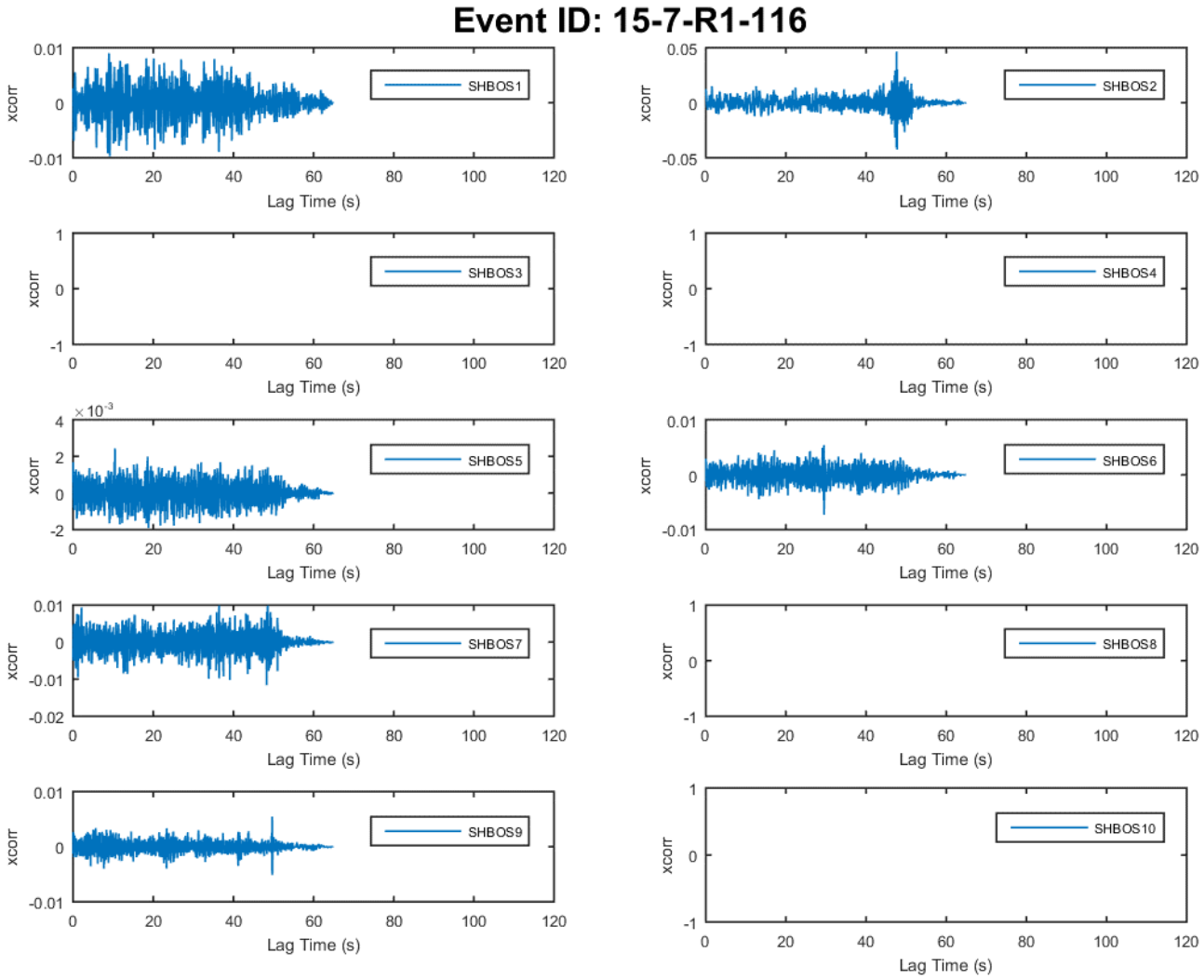


FIGURE 3.726: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-116

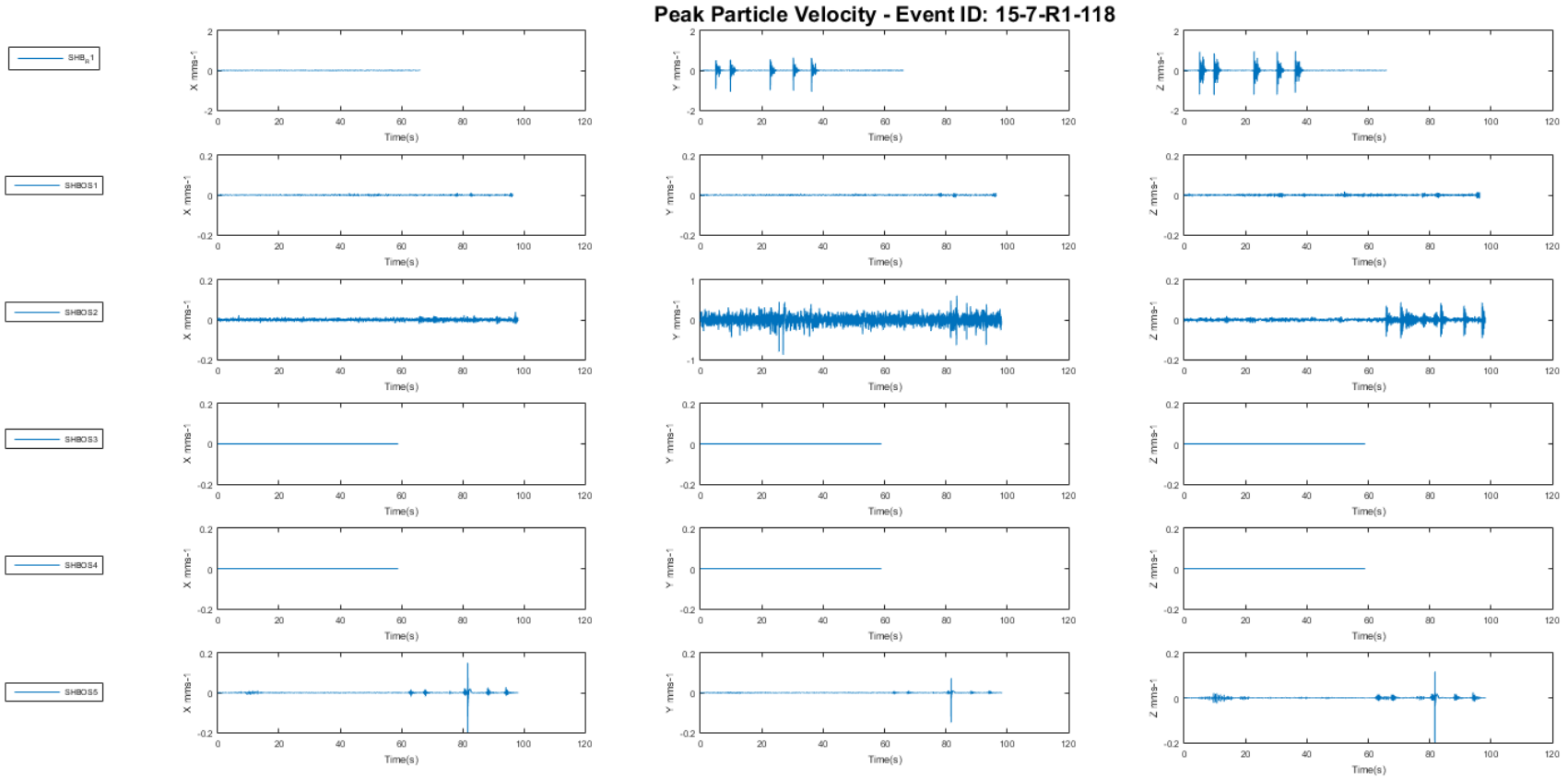
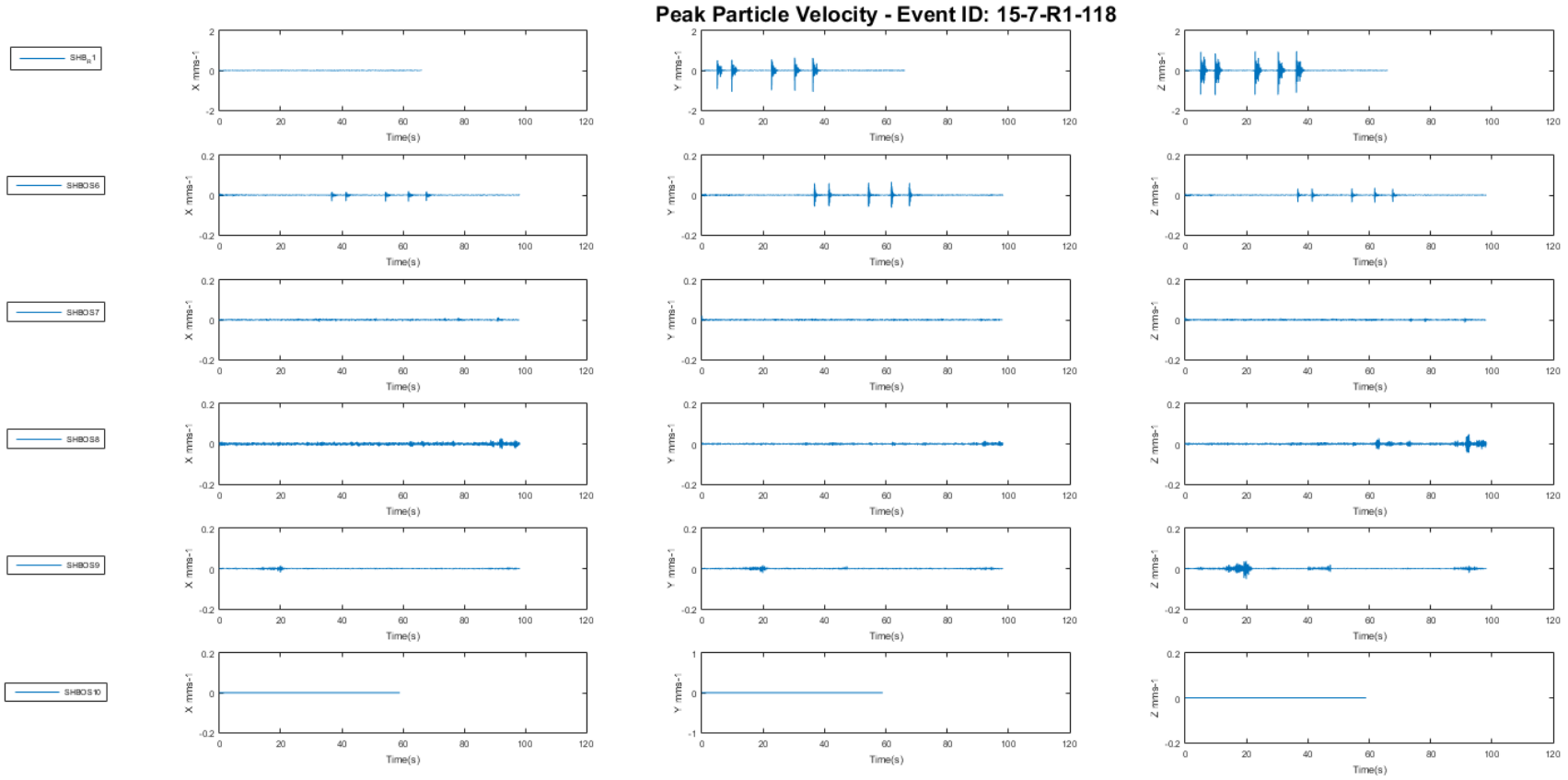


FIGURE 3.727: SHB_OS 1 - 5 15-7-R1-118

FIGURE 3.728: SHB_OS 6 - 10 15-7-R1-118



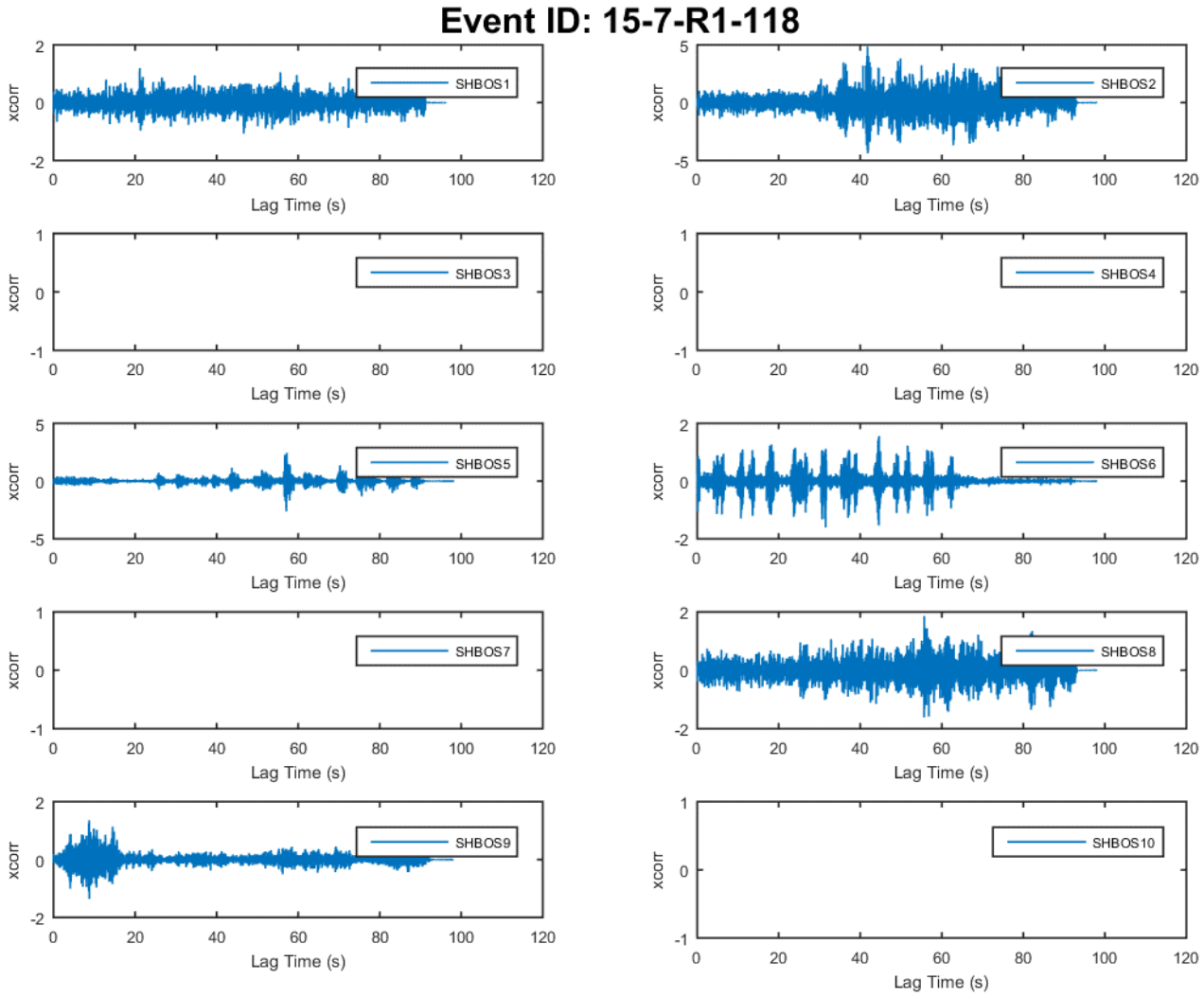


FIGURE 3.729: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-118

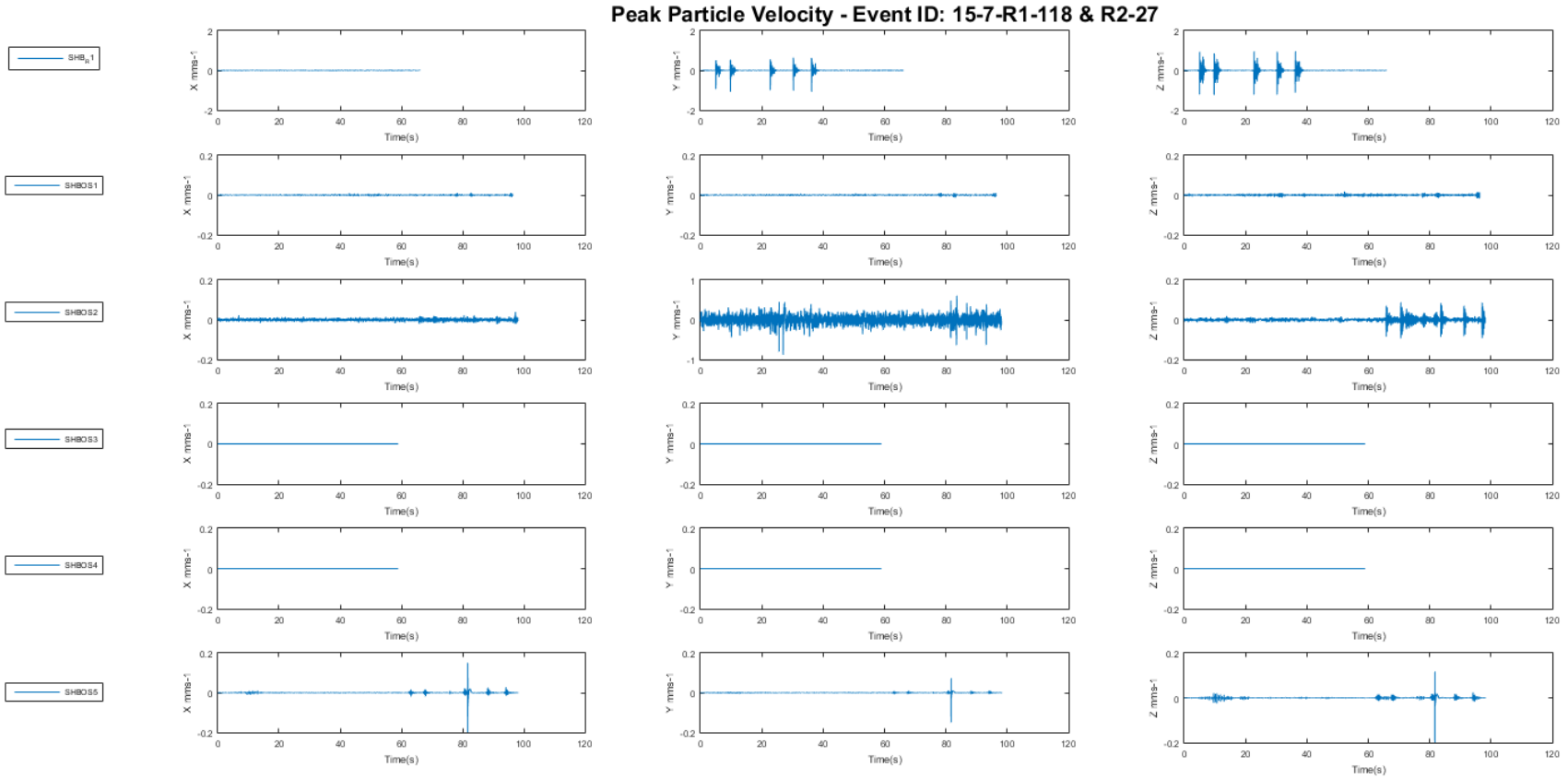
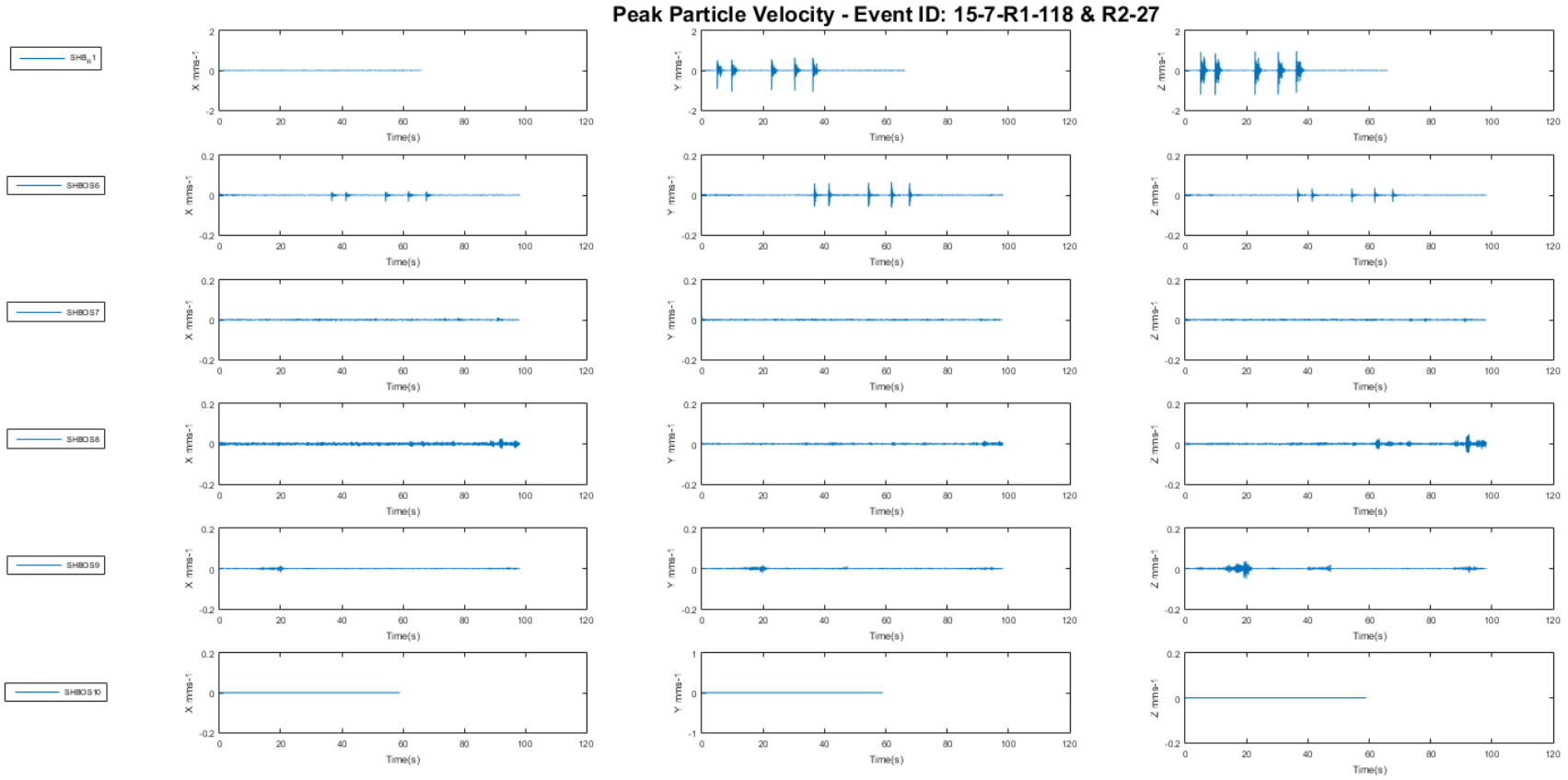


FIGURE 3.730: SHB_OS 1 - 5 15-7-R1-118 & R2-27

FIGURE 3.731: SHB_OS 6 - 10 15-7-R1-118 & R2-27



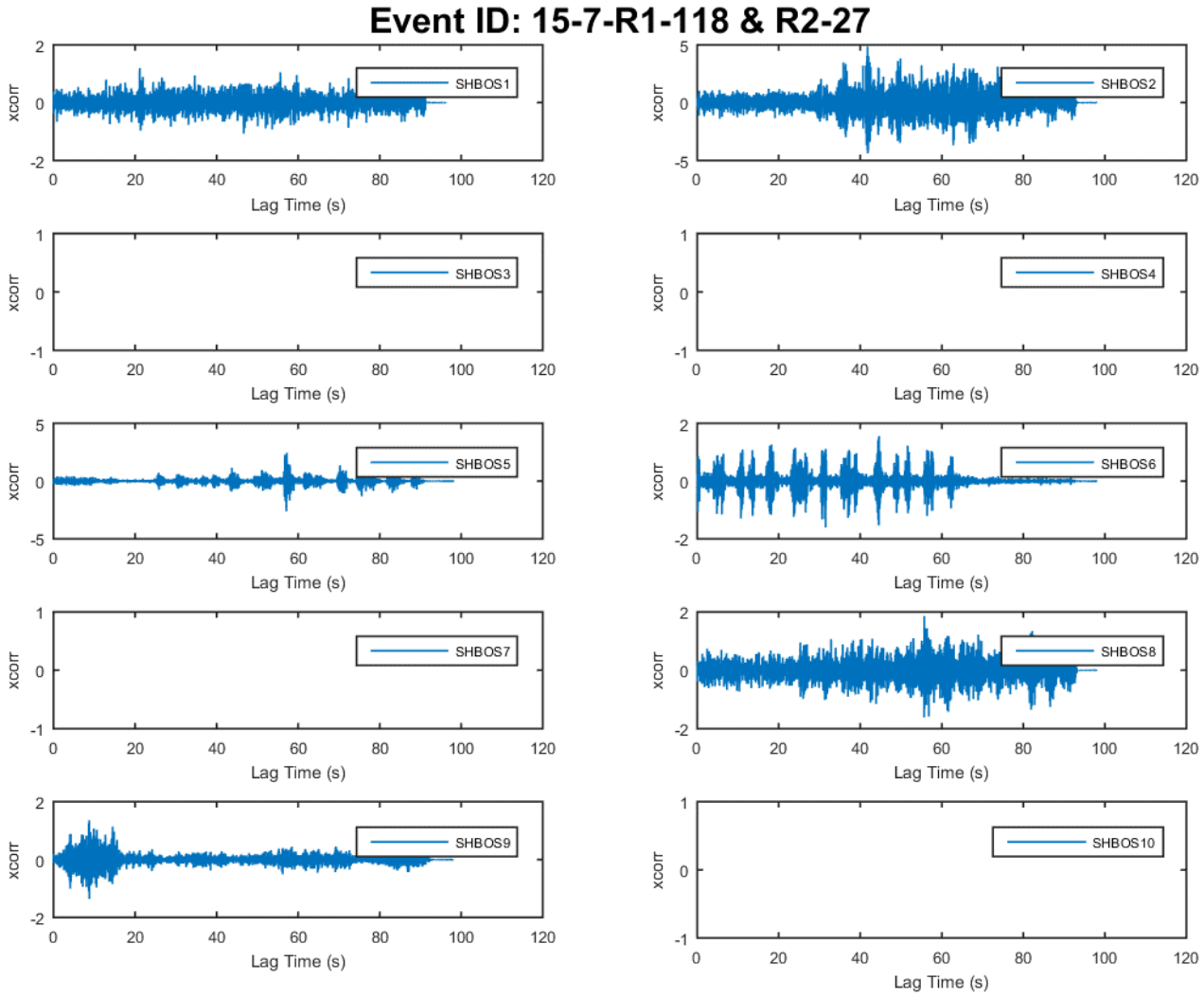


FIGURE 3.732: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-118 & R2-27

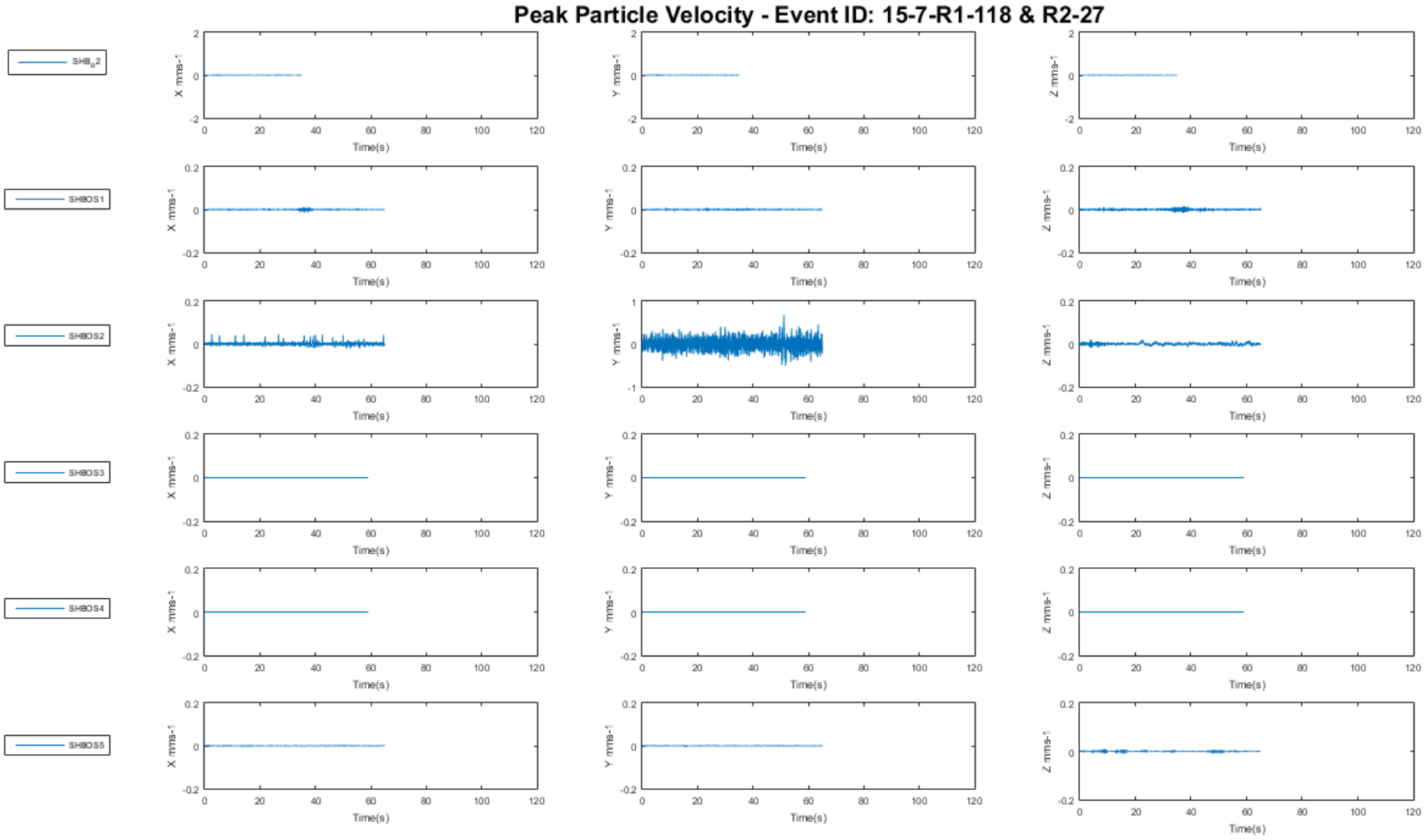


FIGURE 3.733: SHB_OS 1 - 5 15-7-R1-118 & R2-27

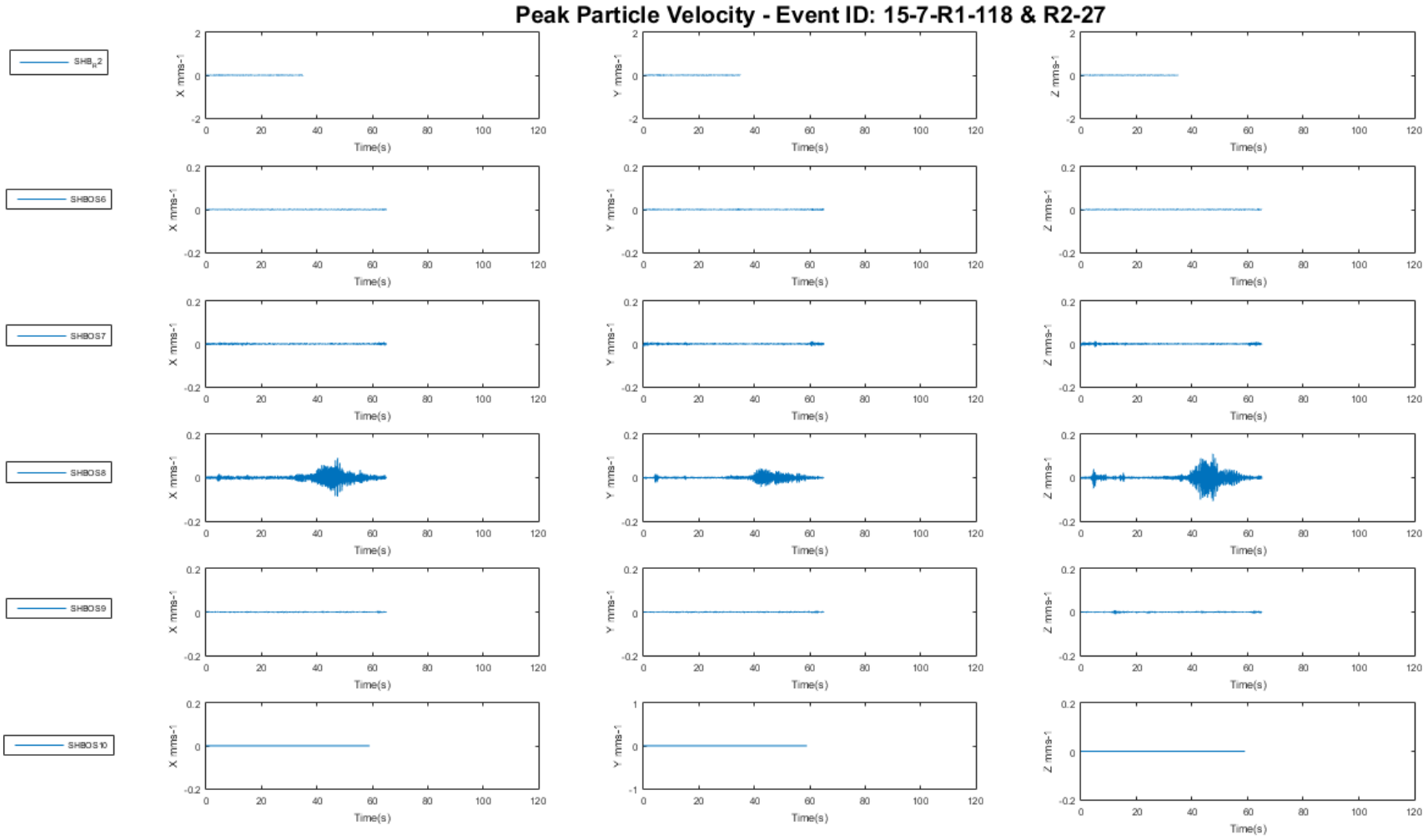


FIGURE 3.734: SHB_OS 6 - 10 15-7-R1-118 & R2-27

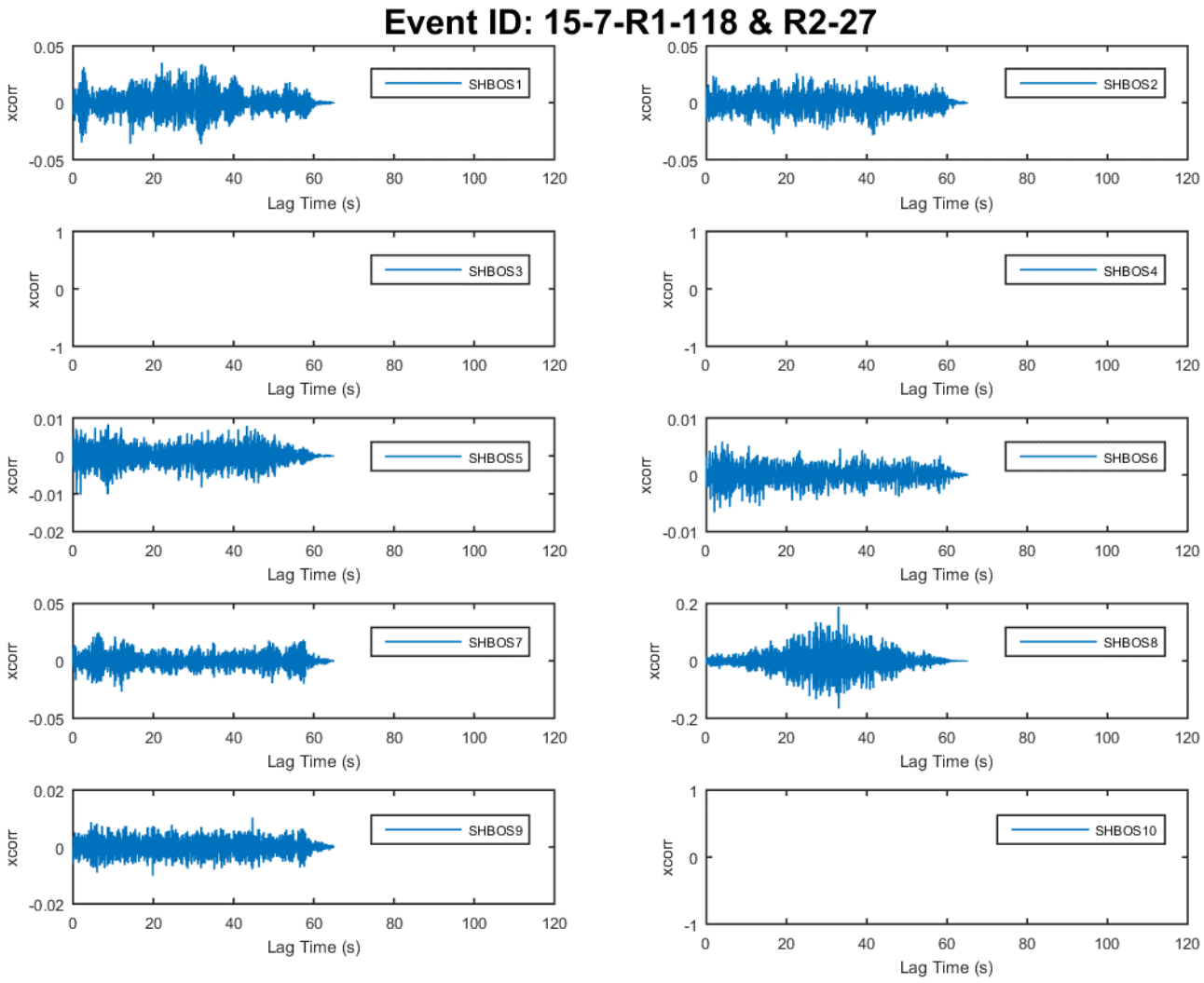


FIGURE 3.735: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-118 & R2-27

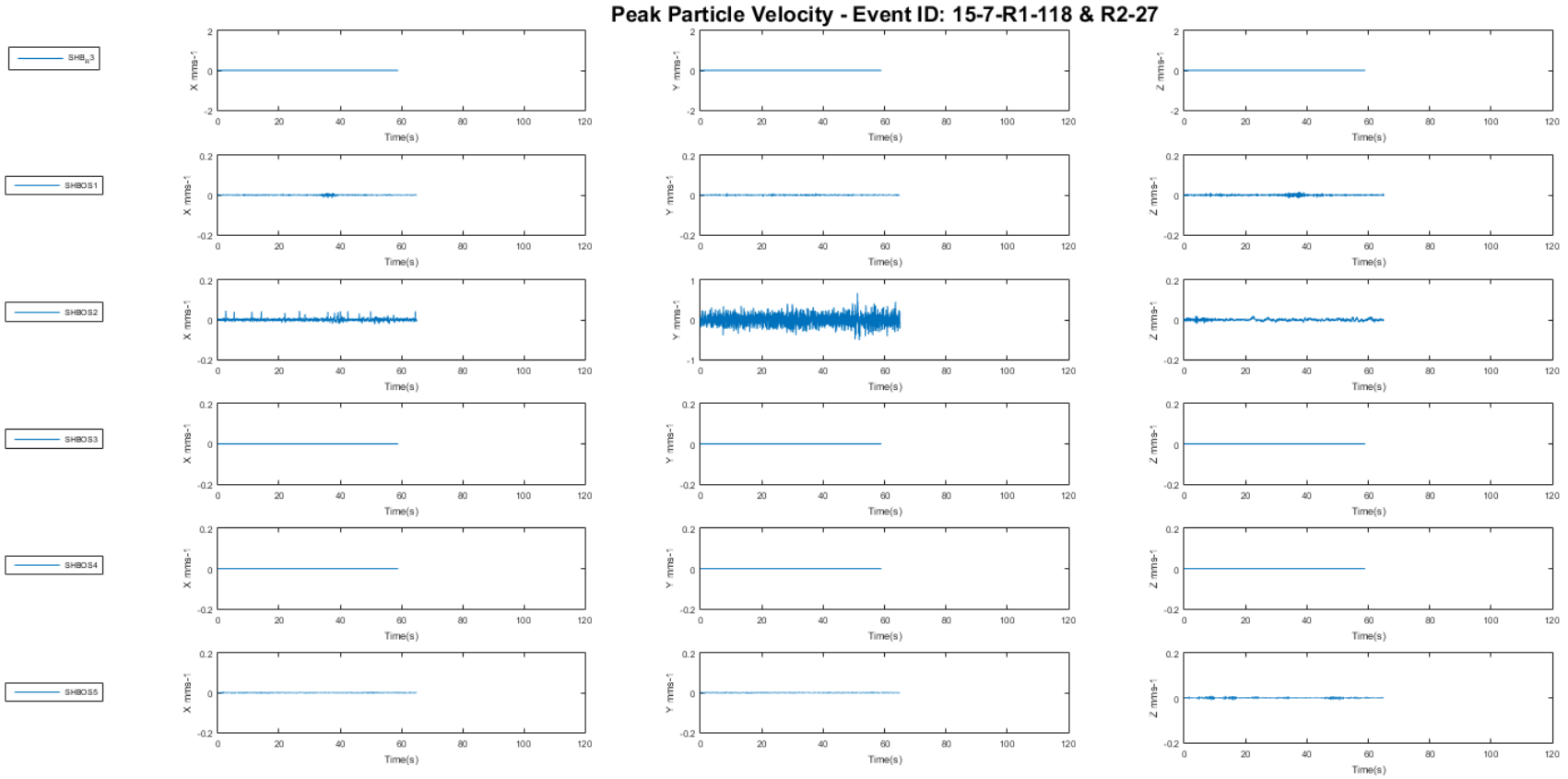
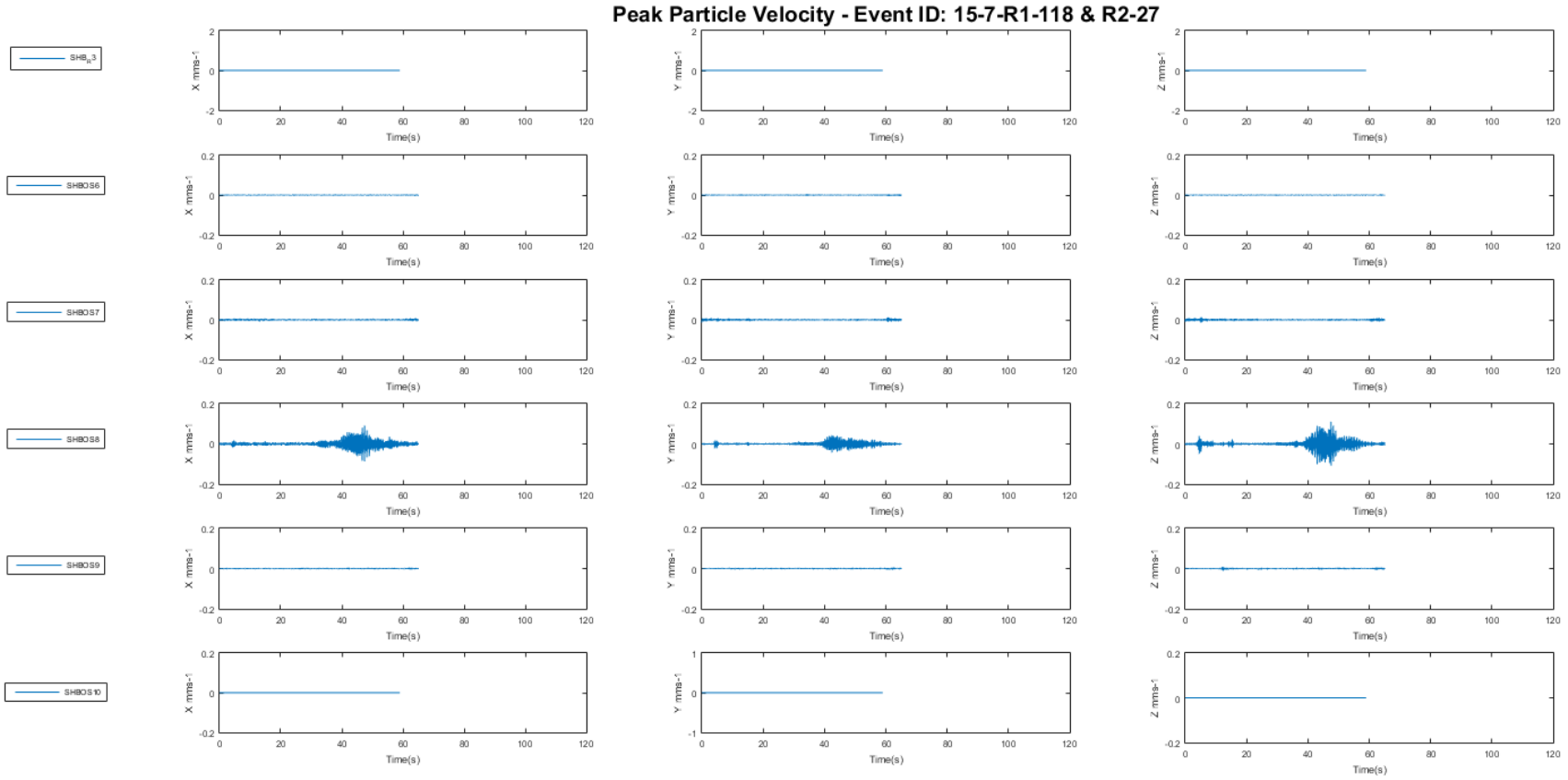


FIGURE 3.736: SHB_OS 1 - 5 15-7-R1-118 & R2-27

FIGURE 3.737: SHB_OS 6 - 10 15-7-R1-118 & R2-27



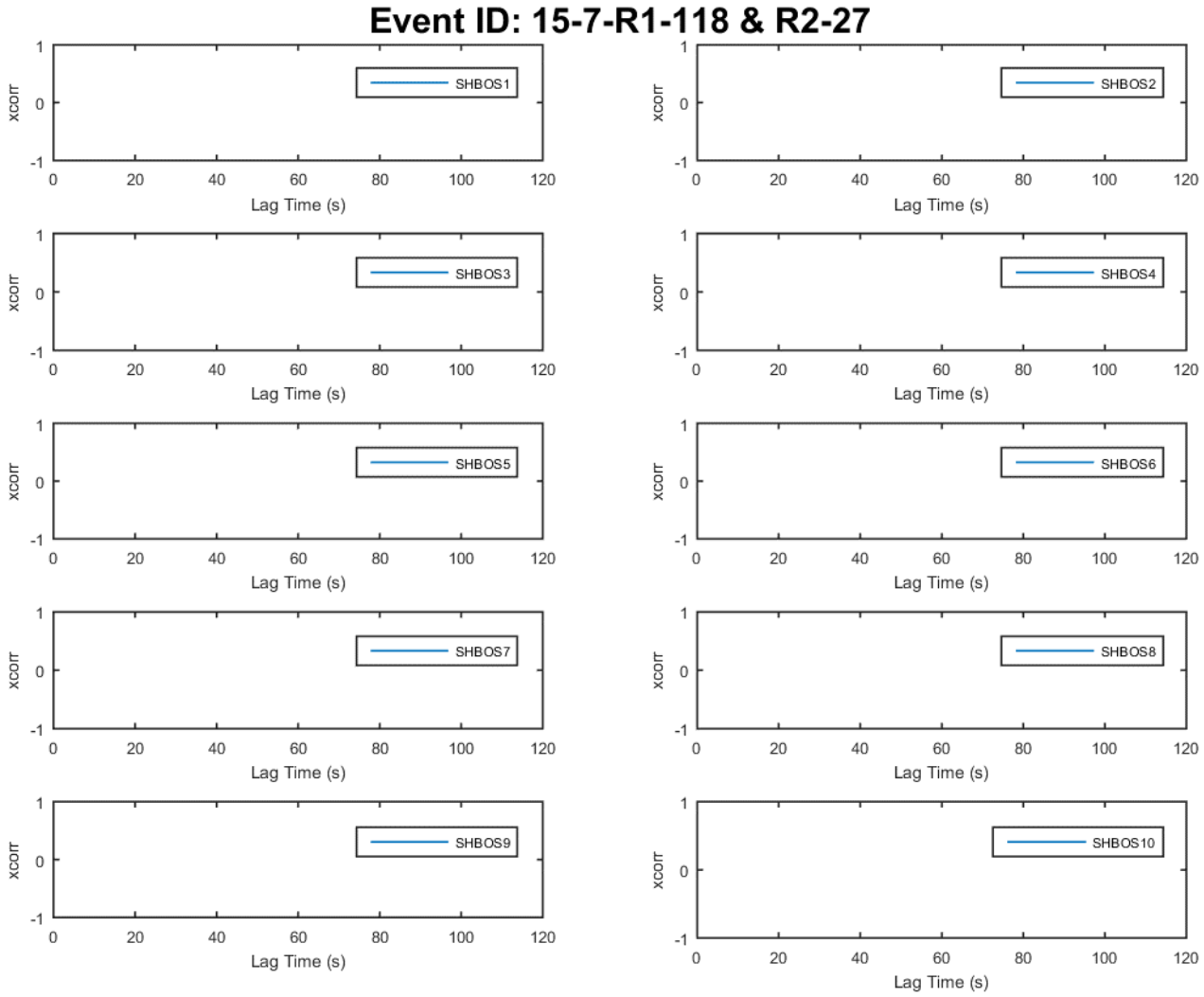


FIGURE 3.738: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-118 & R2-27

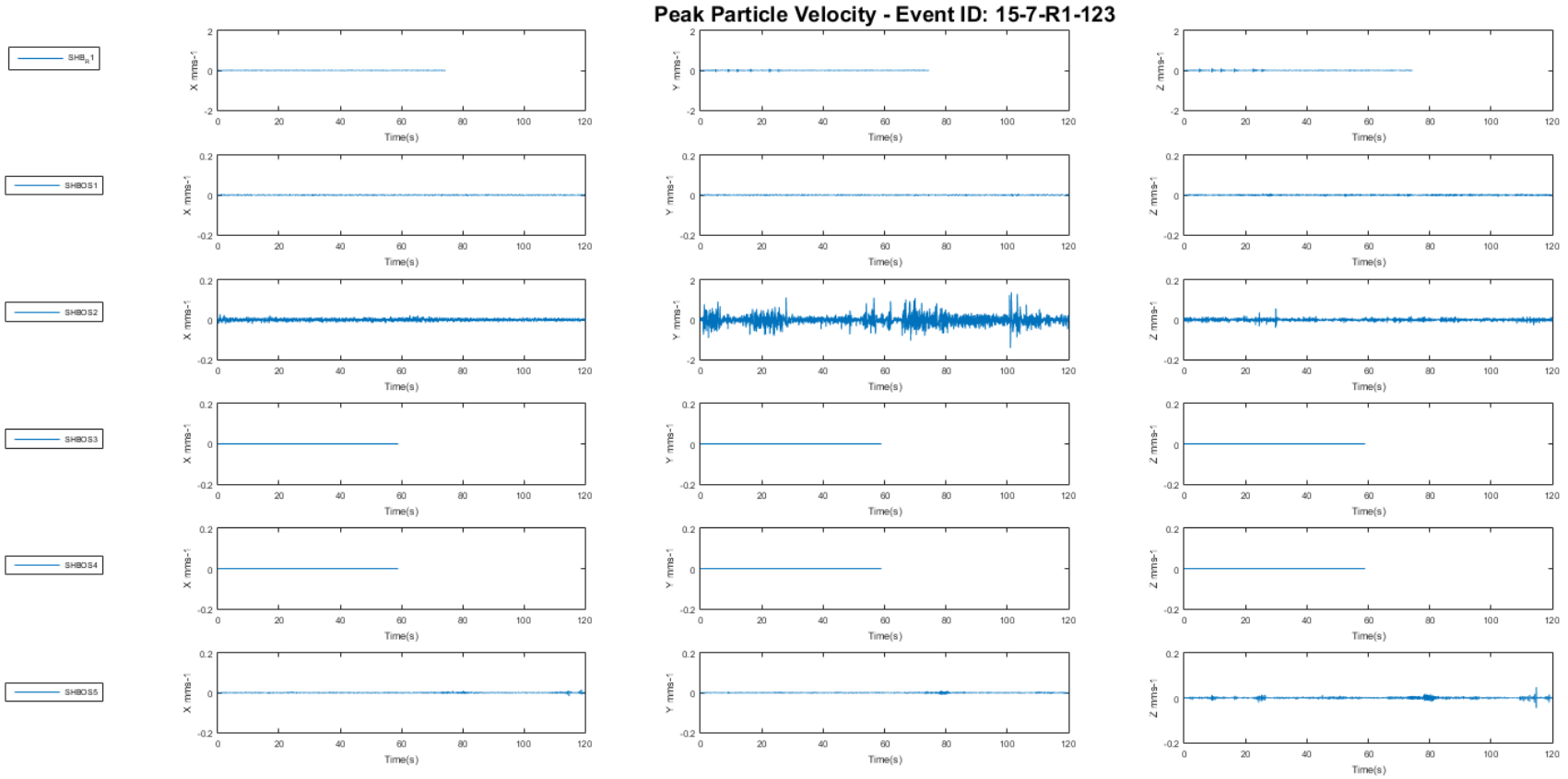
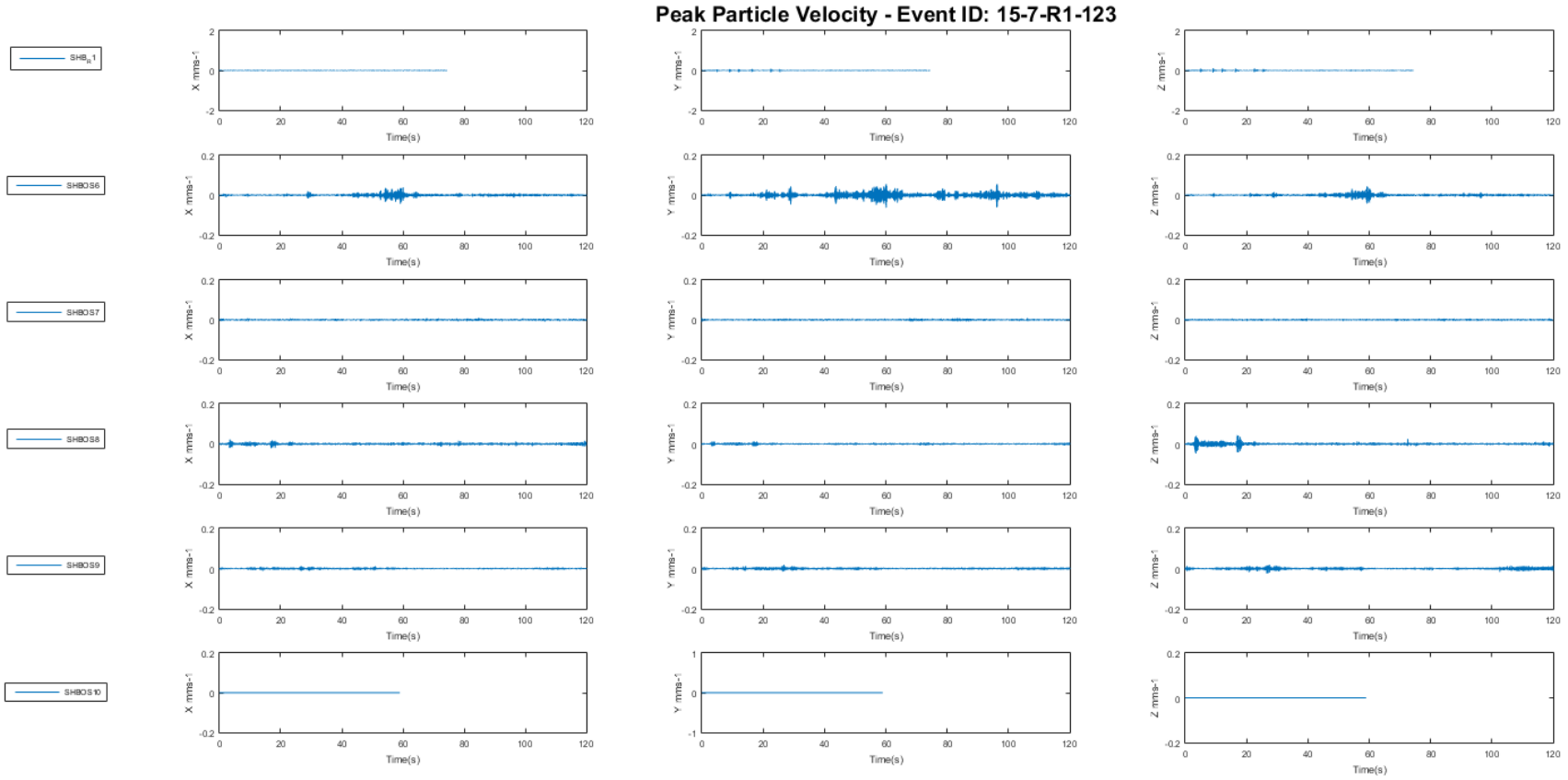


FIGURE 3.739: SHB_OS 1 - 5 15-7-R1-123

FIGURE 3.740: SHB_OS 6 - 10 15-7-R1-123



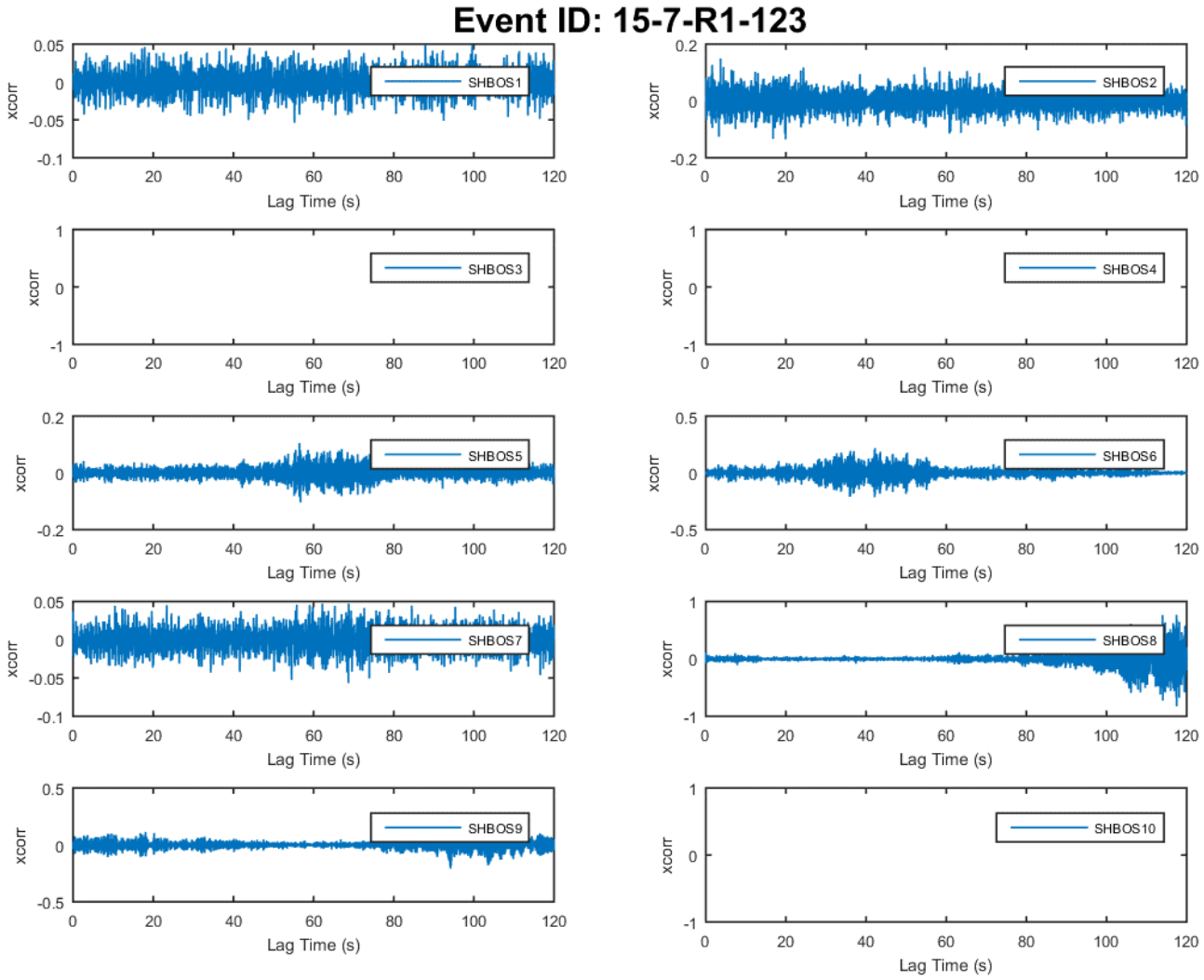


FIGURE 3.741: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-123

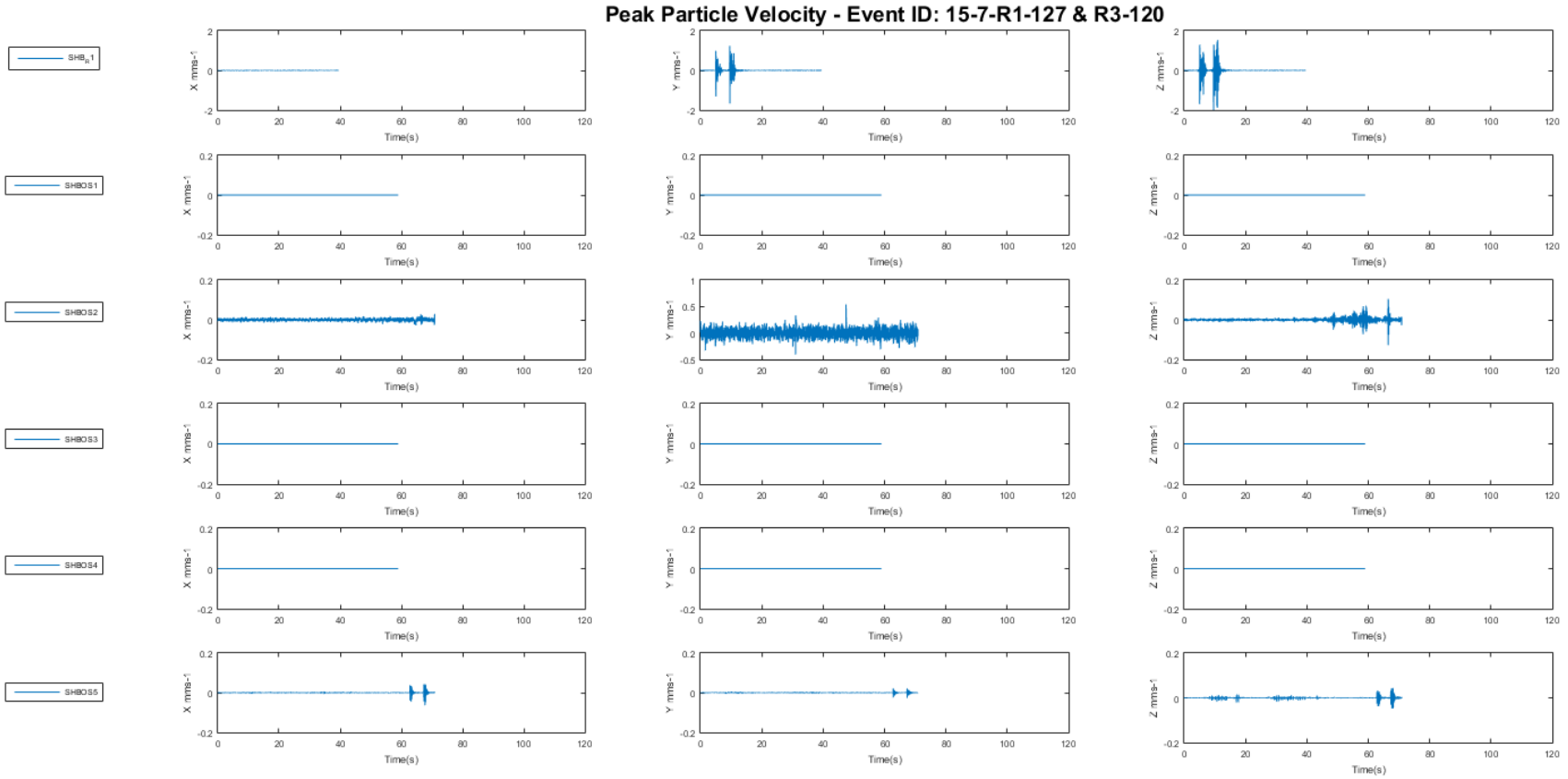
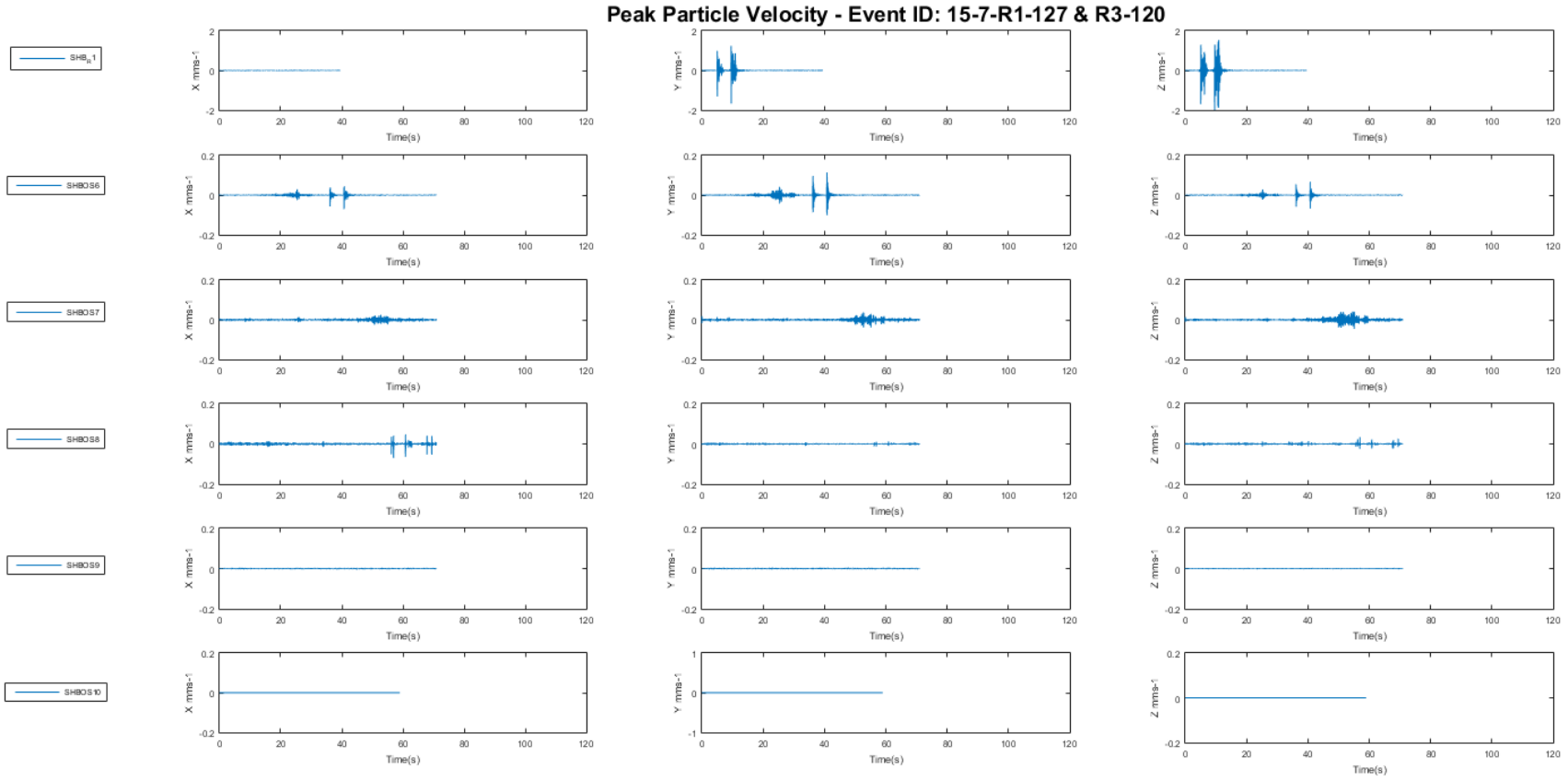


FIGURE 3.742: SHB_OS 1 - 5 15-7-R1-127 & R3-120

FIGURE 3.743: SHB_OS 6 - 10 15-7-R1-127 & R3-120



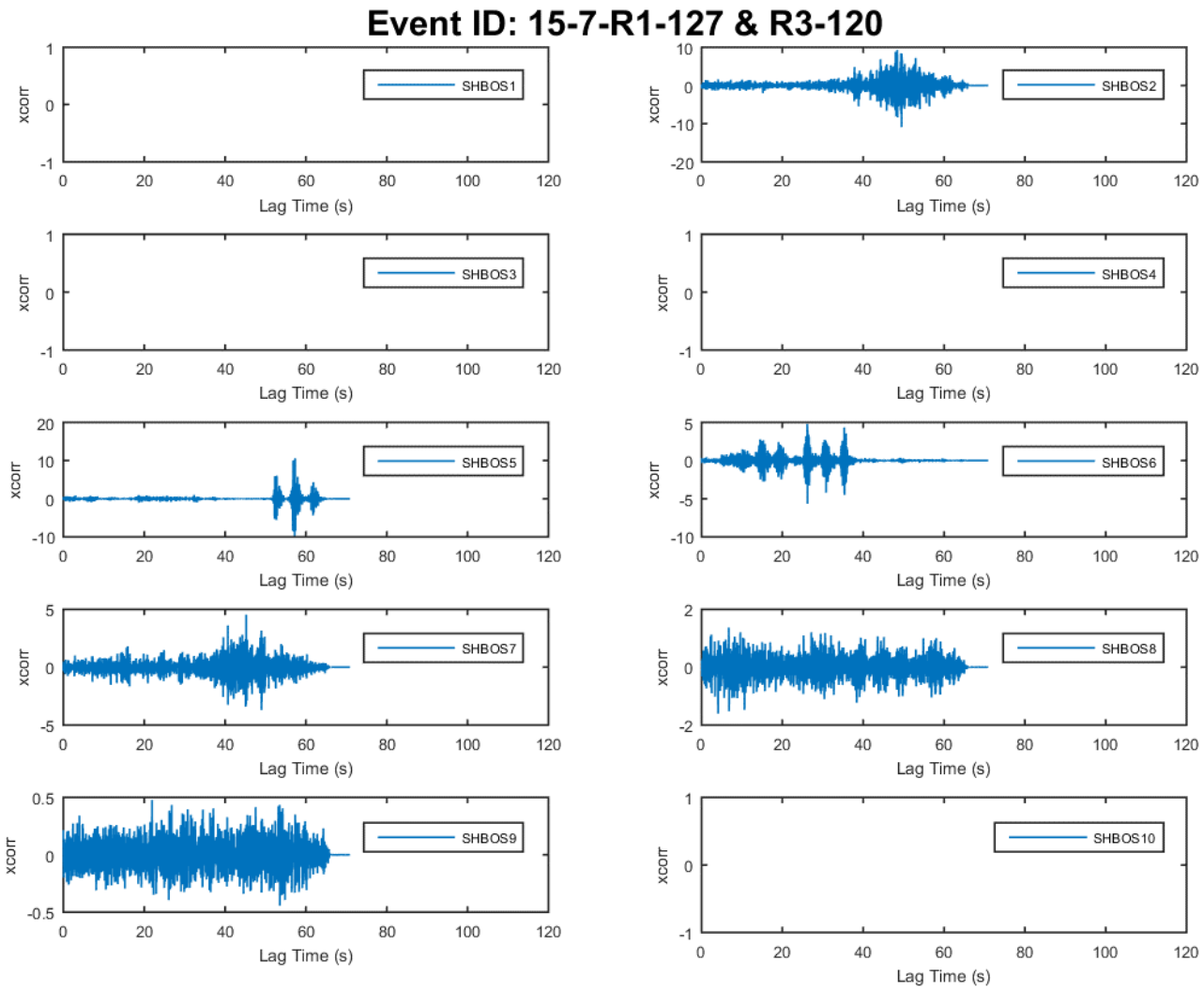


FIGURE 3.744: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-127 & R3-120

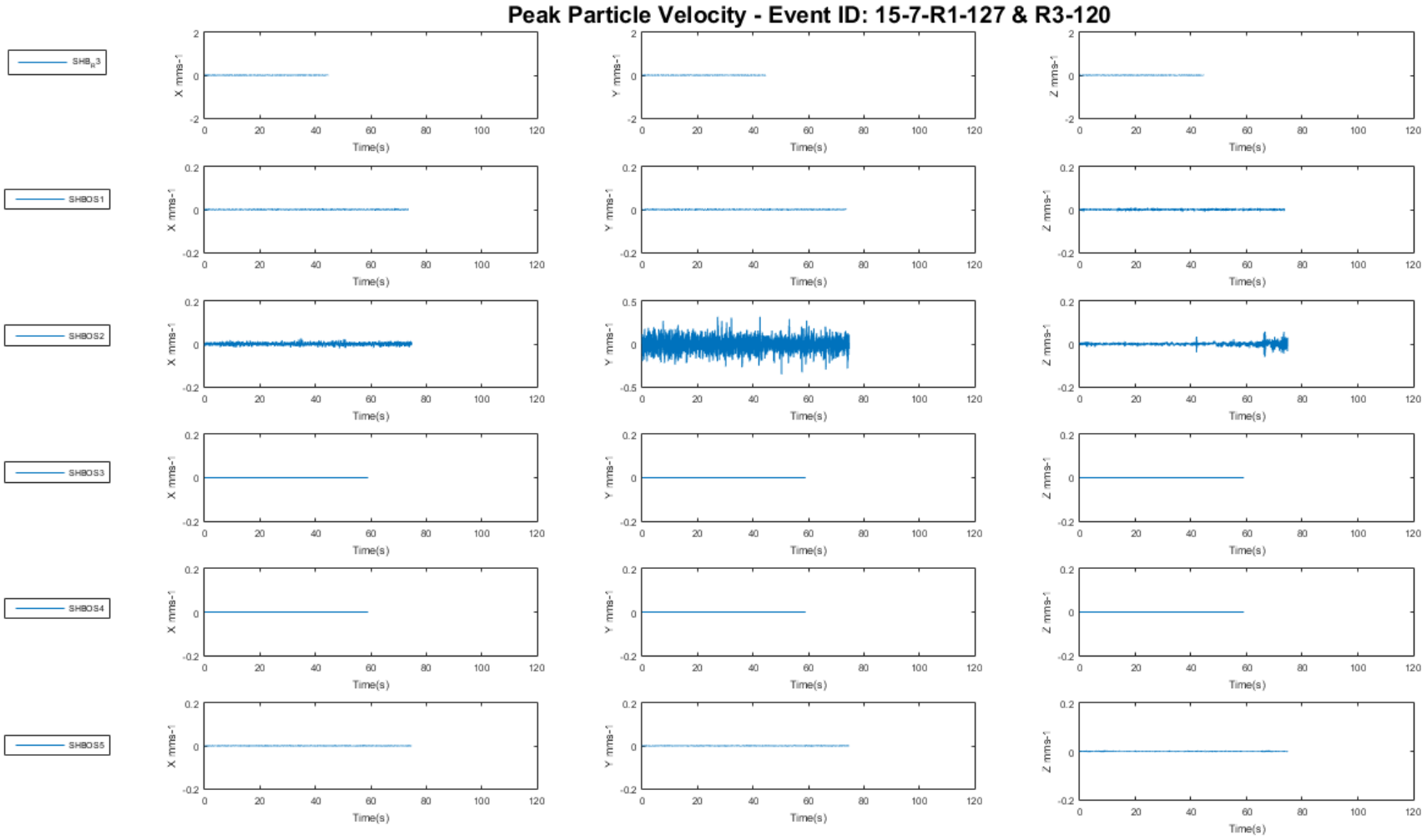


FIGURE 3.745: SHB_OS 1 - 5 15-7-R1-127 & R3-120

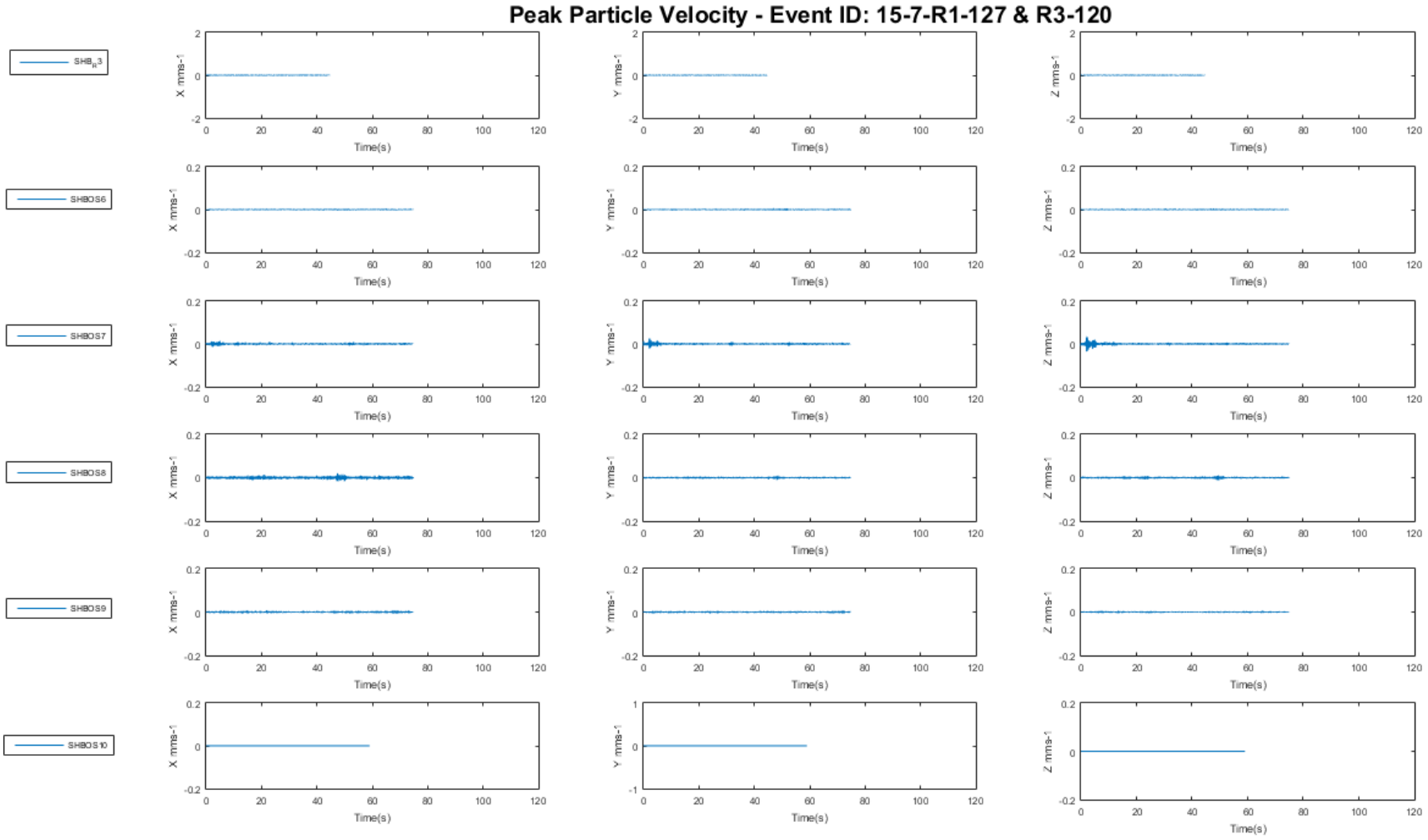


FIGURE 3.746: SHB_OS 6 - 10 15-7-R1-127 & R3-120

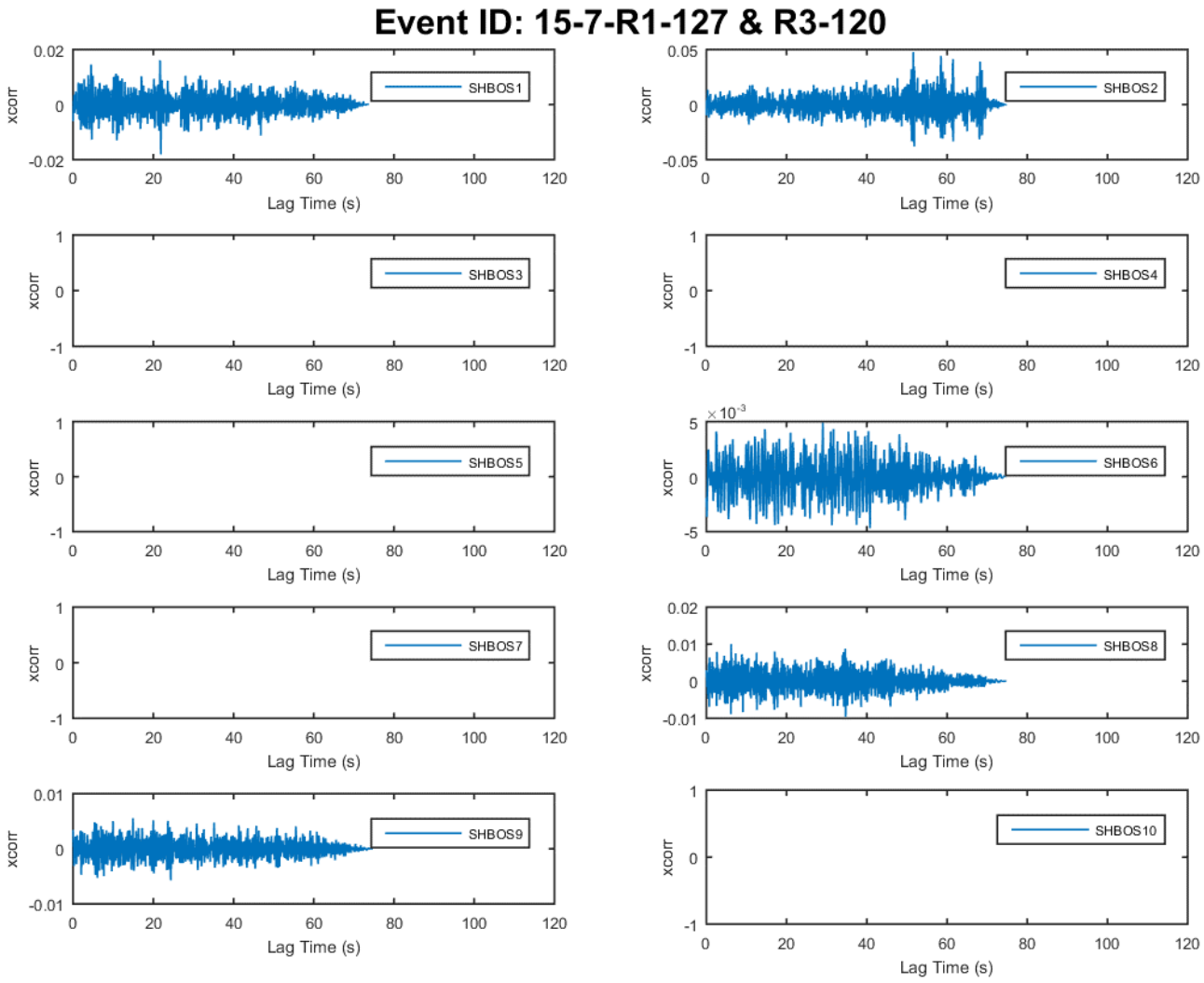


FIGURE 3.747: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-127 & R3-120

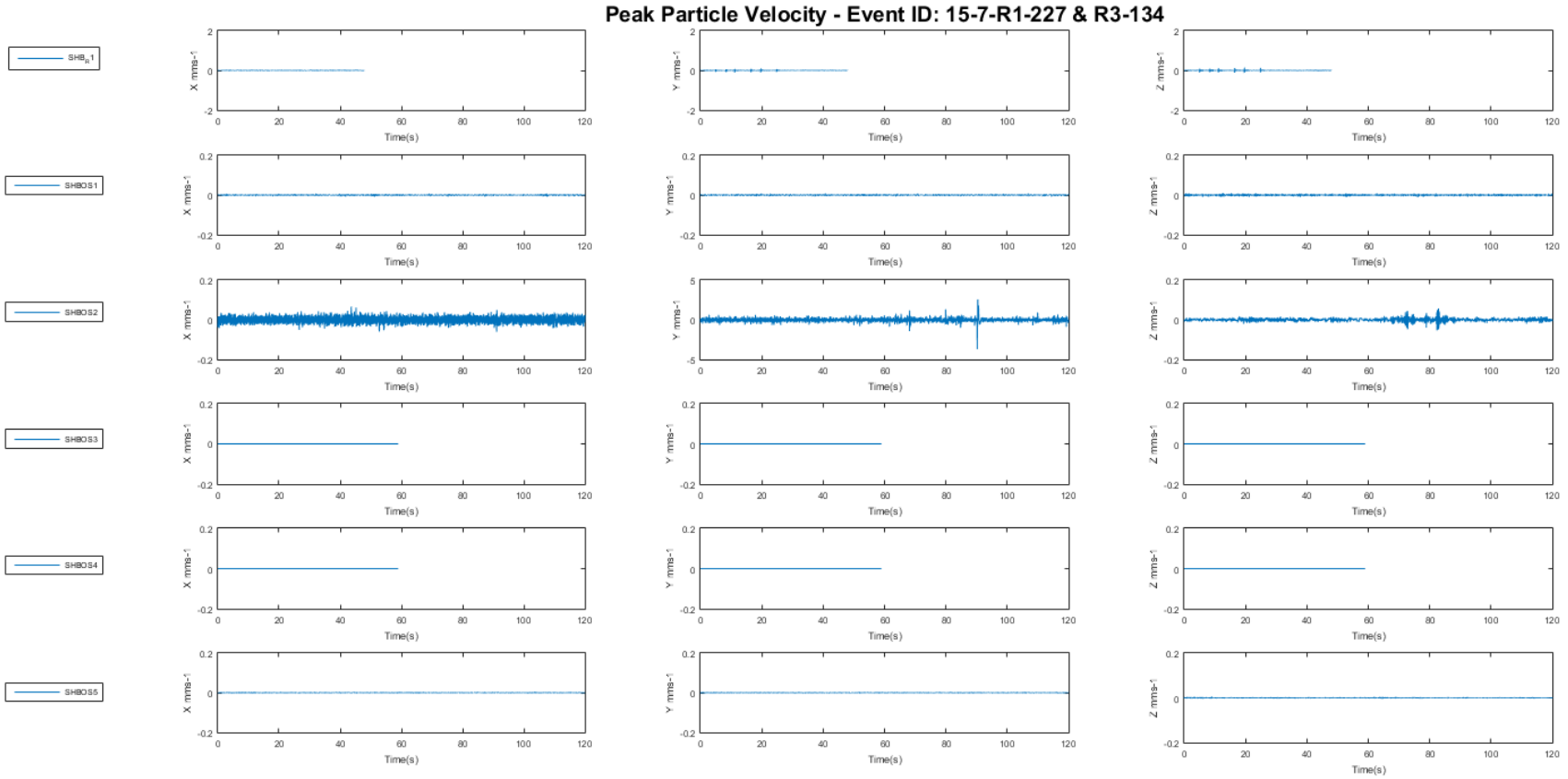
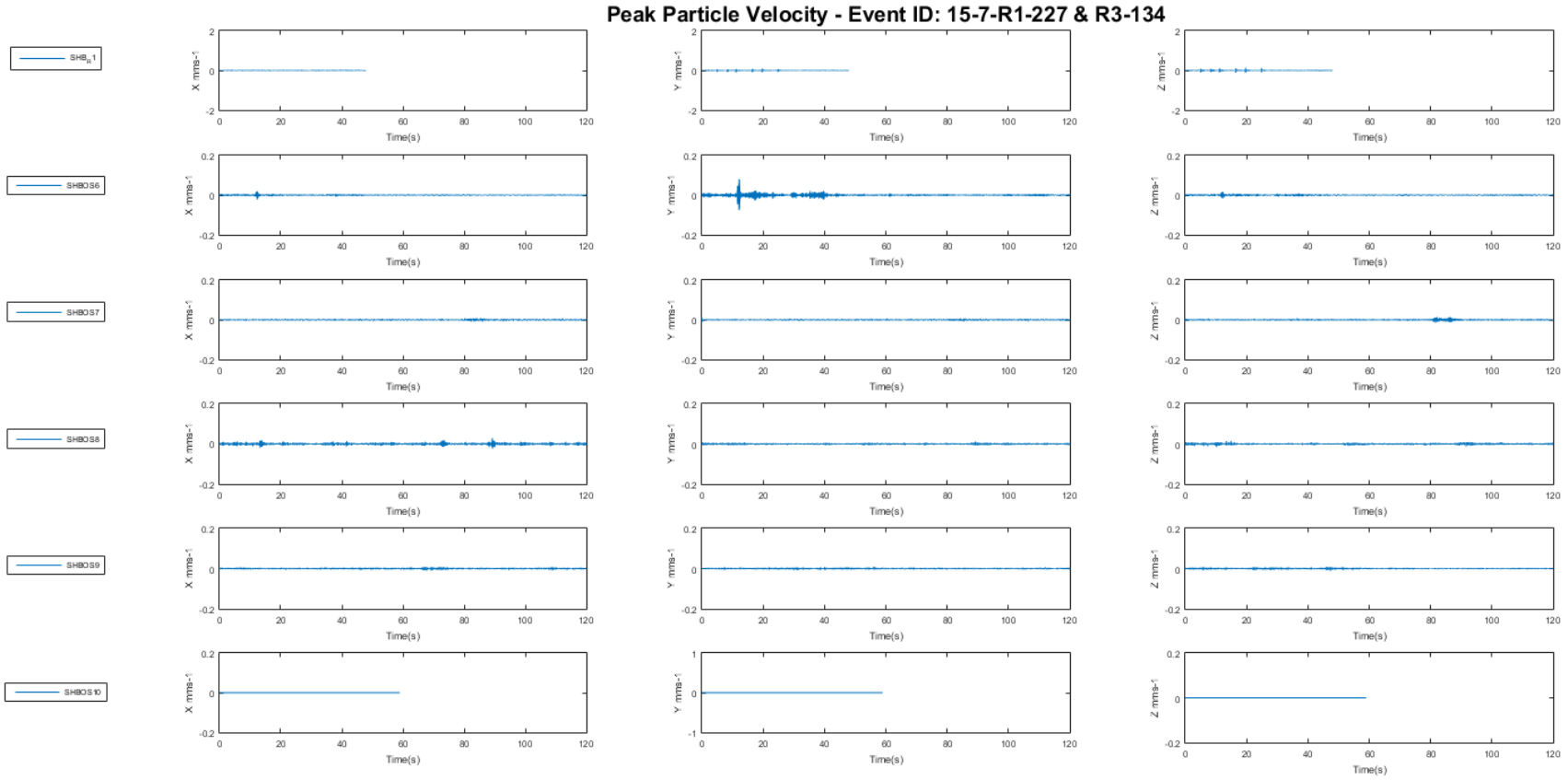


FIGURE 3.748: SHB_OS 1 - 5 15-7-R1-227 & R3-134

FIGURE 3.749: SHB_OS 6 - 10 15-7-R1-227 & R3-134



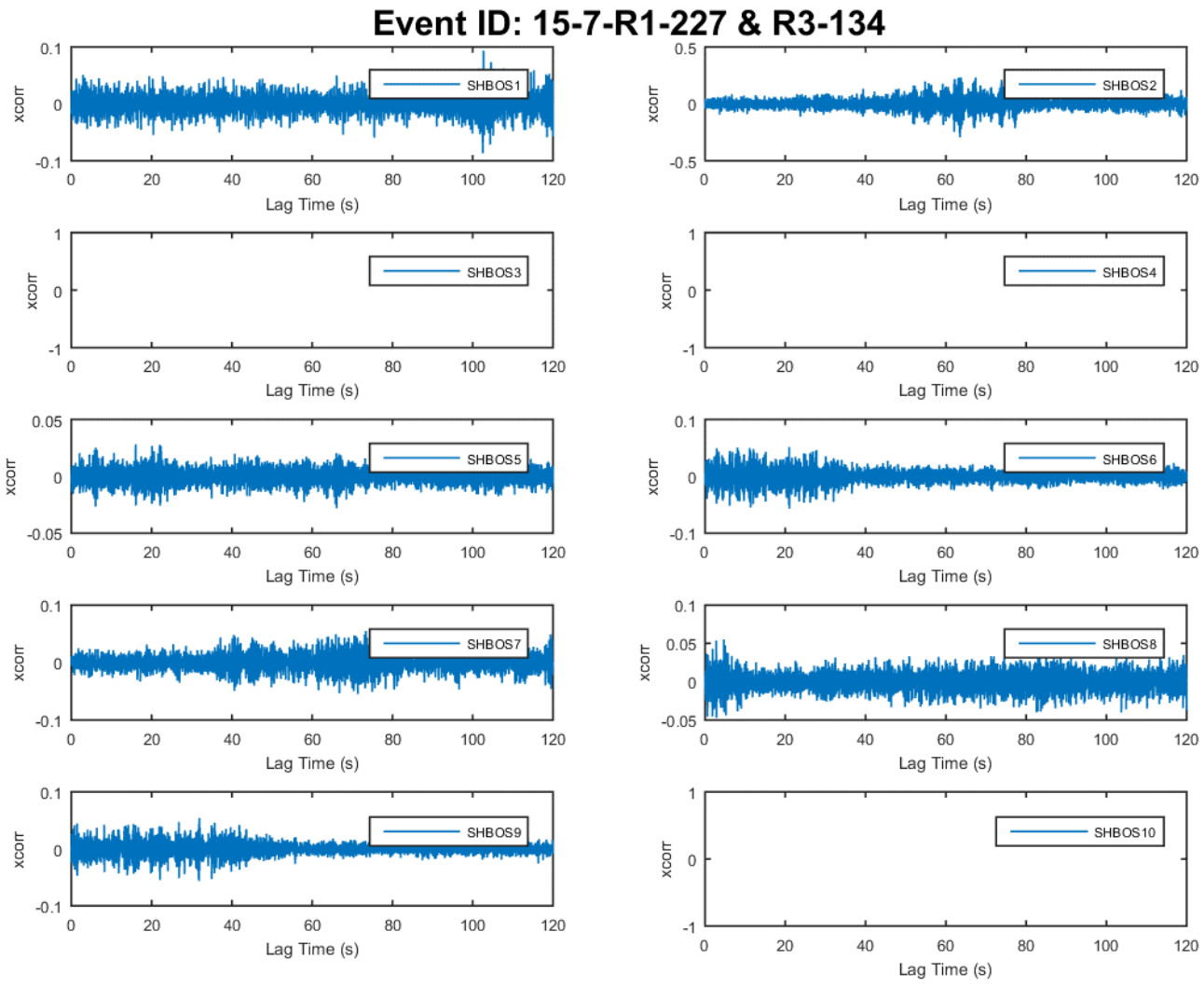


FIGURE 3.750: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-227 & R3-134

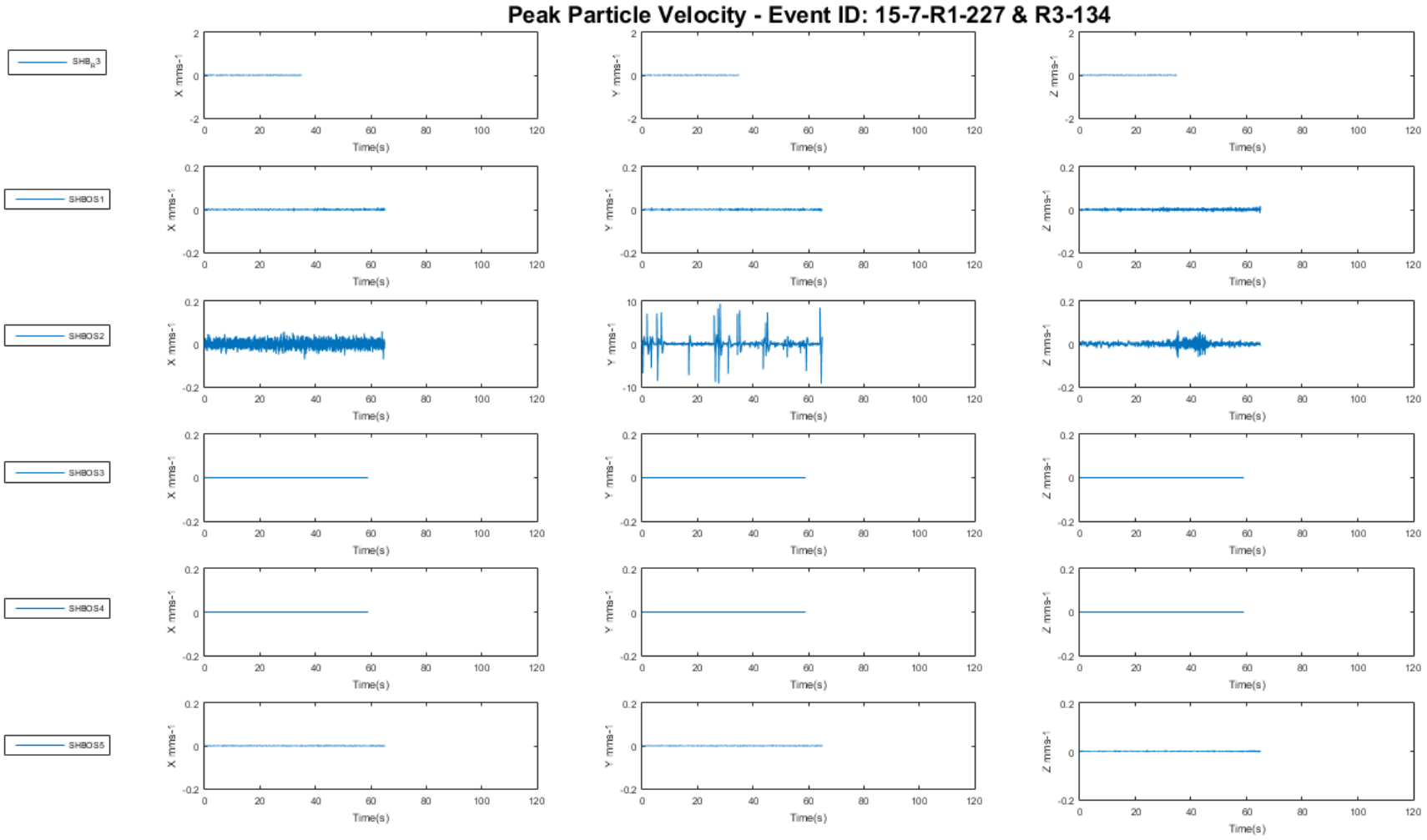


FIGURE 3.751: SHB_OS 1 - 5 15-7-R1-227 & R3-134

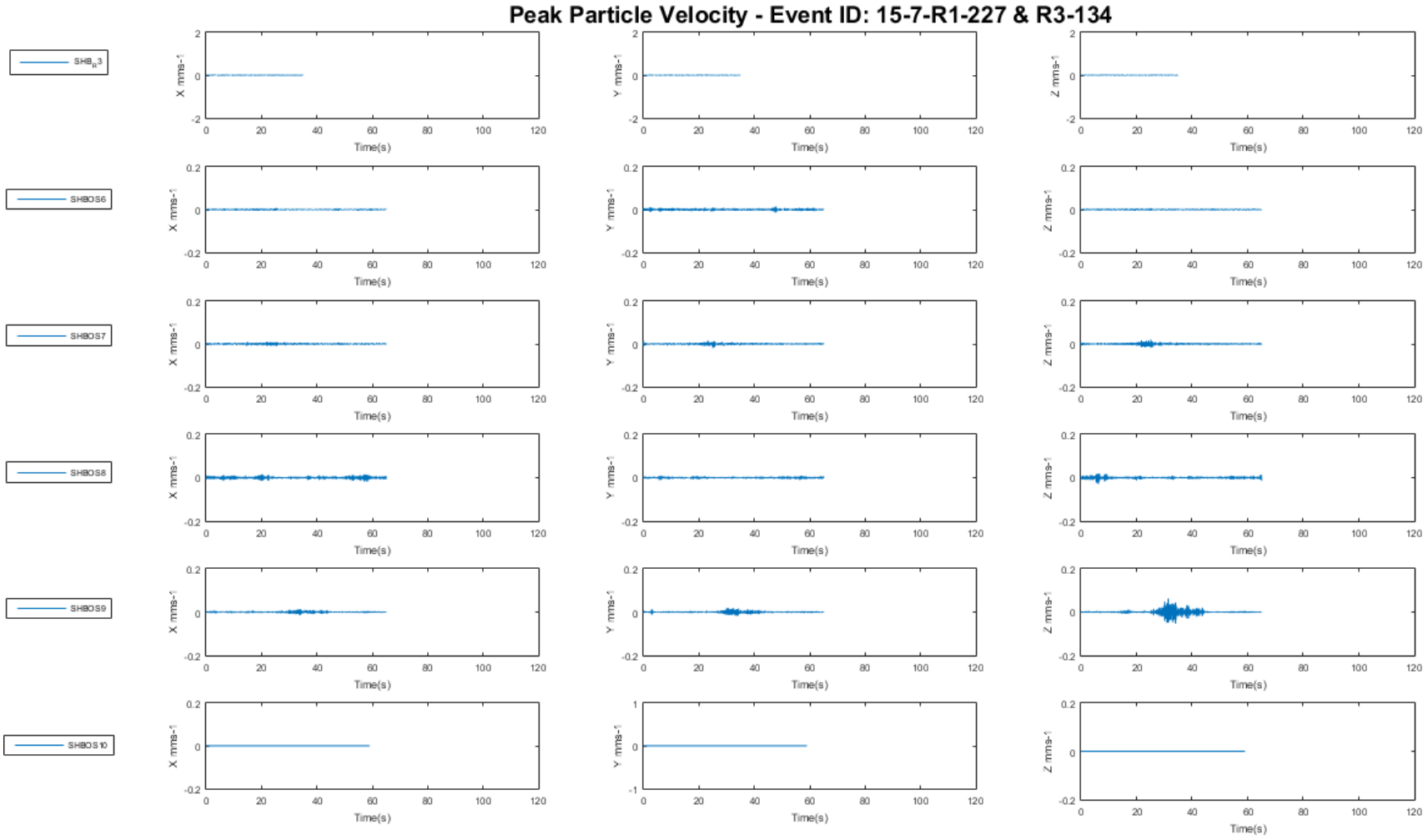


FIGURE 3.752: SHB_OS 6 - 10 15-7-R1-227 & R3-134

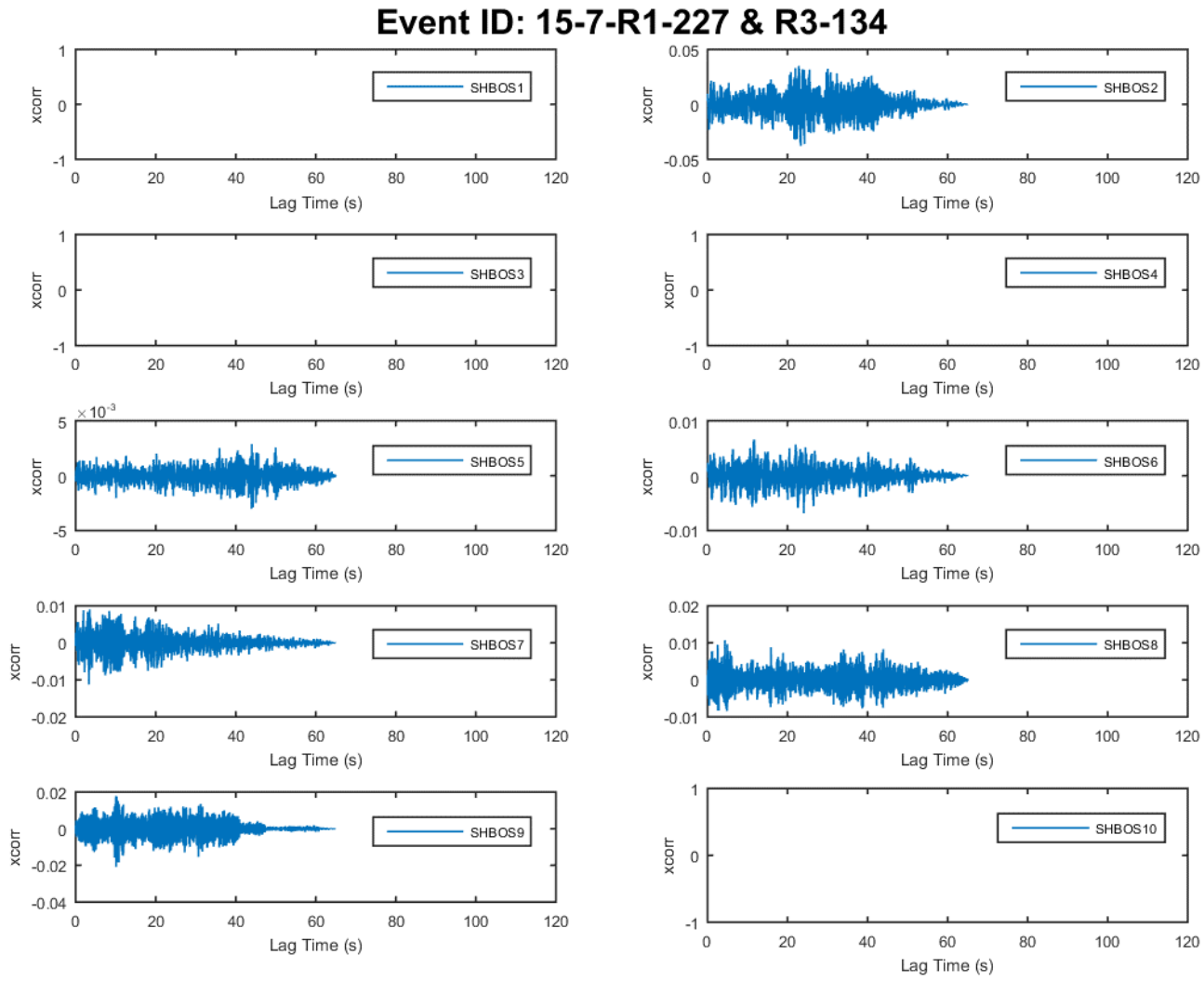


FIGURE 3.753: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-227 & R3-134

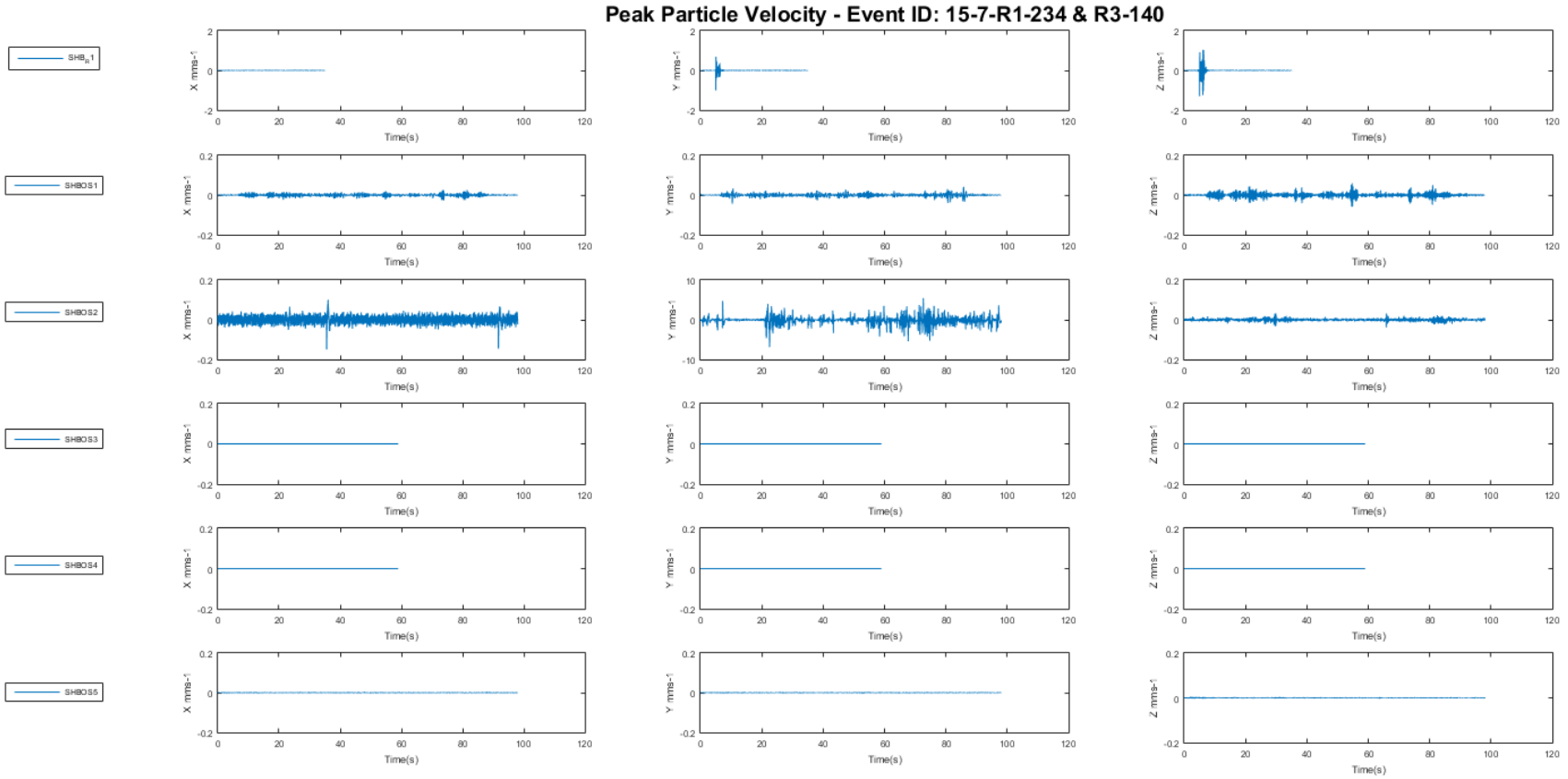
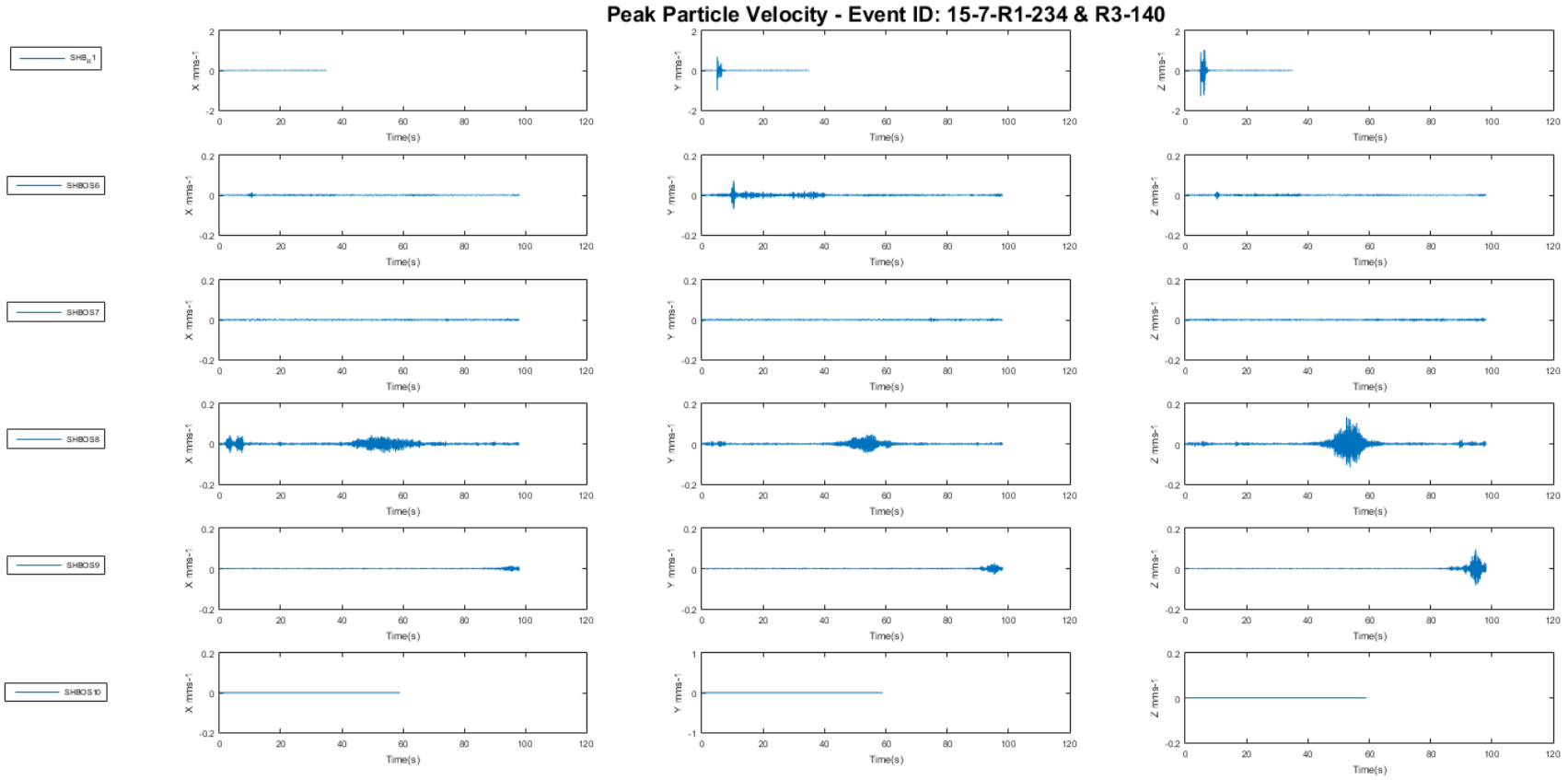


FIGURE 3.754: SHB_OS 1 - 5 15-7-R1-234 & R3-140

FIGURE 3.755: SHB_OS 6 - 10 15-7-R1-234 & R3-140



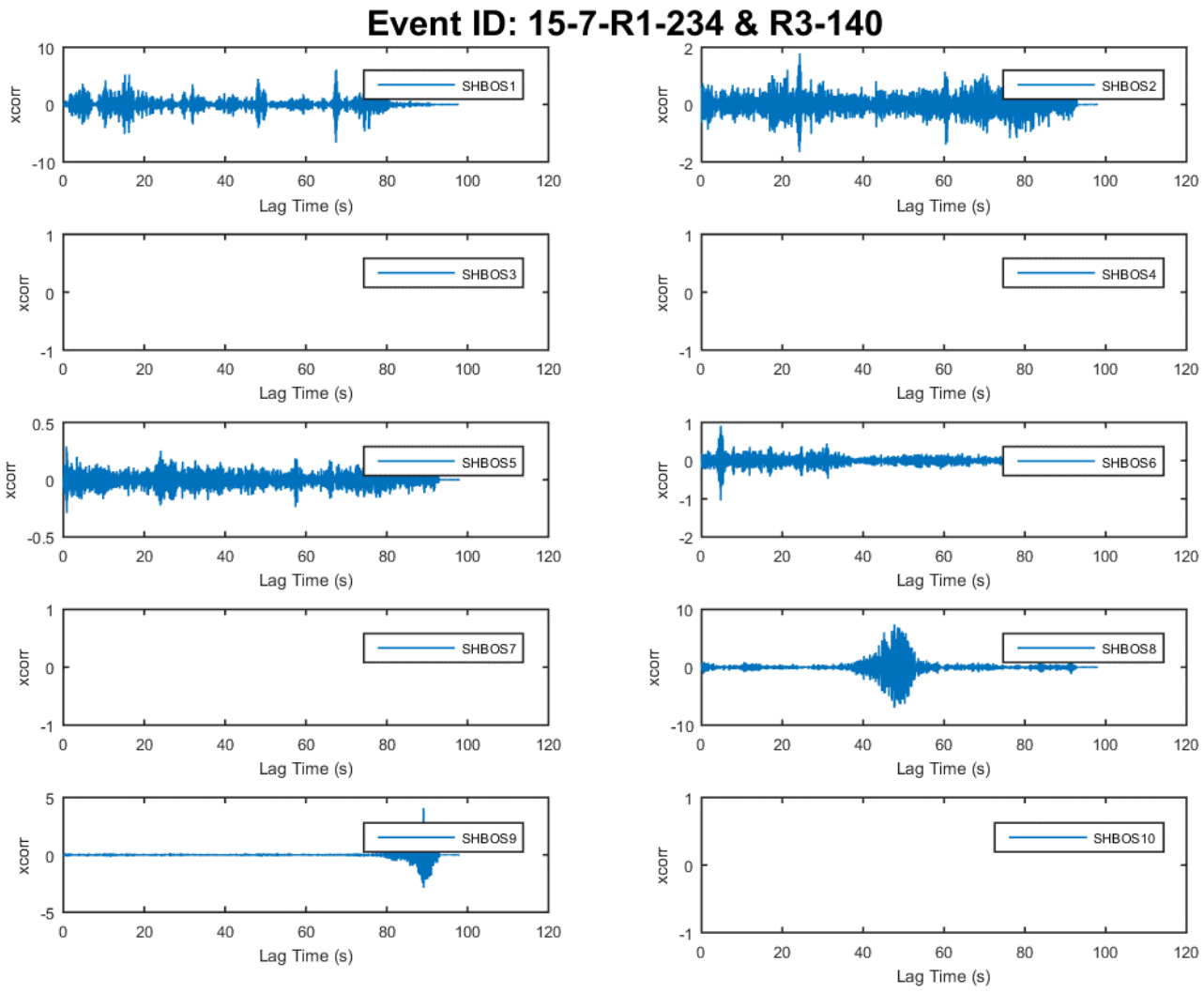


FIGURE 3.756: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-234 & R3-140

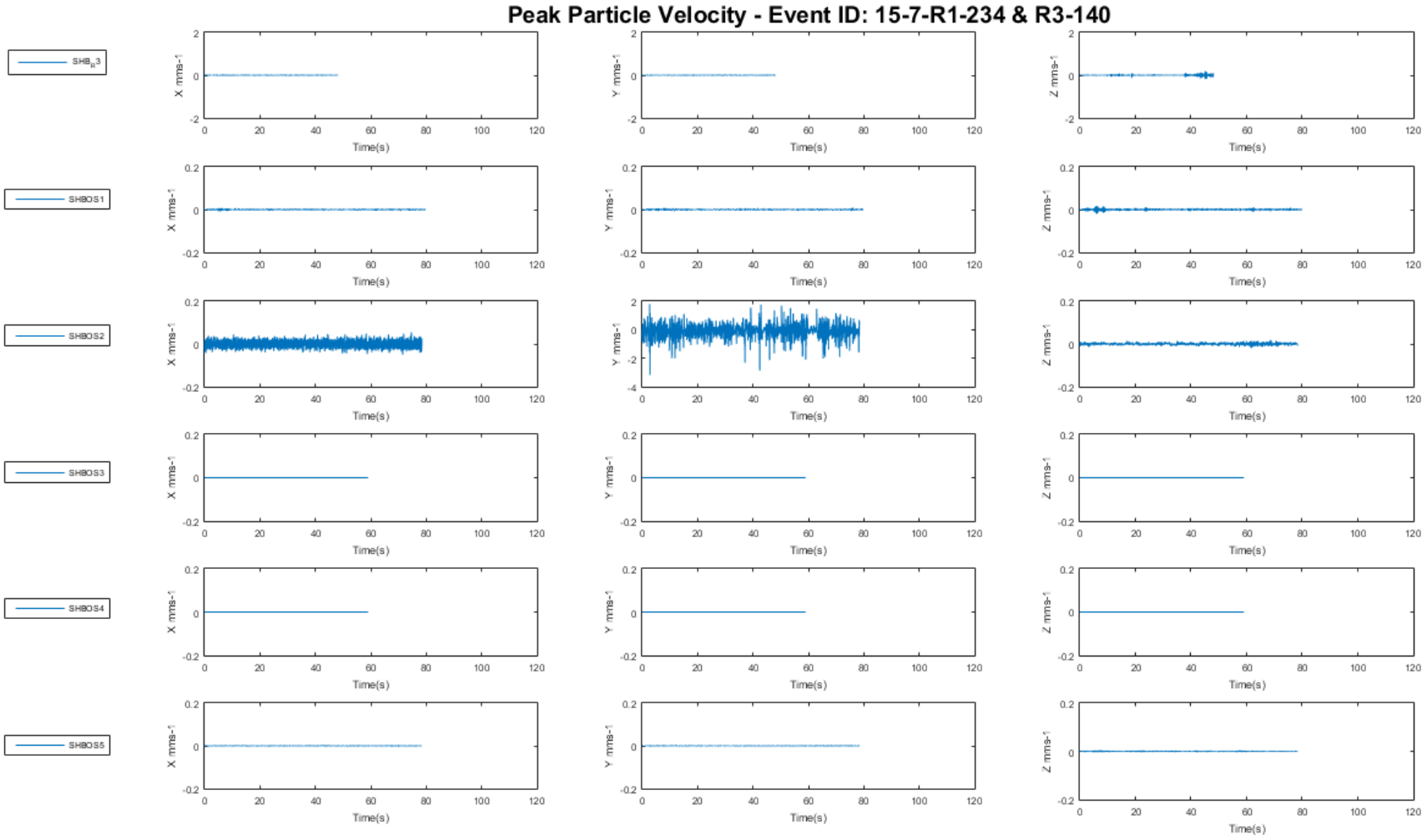


FIGURE 3.757: SHB_OS 1 - 5 15-7-R1-234 & R3-140

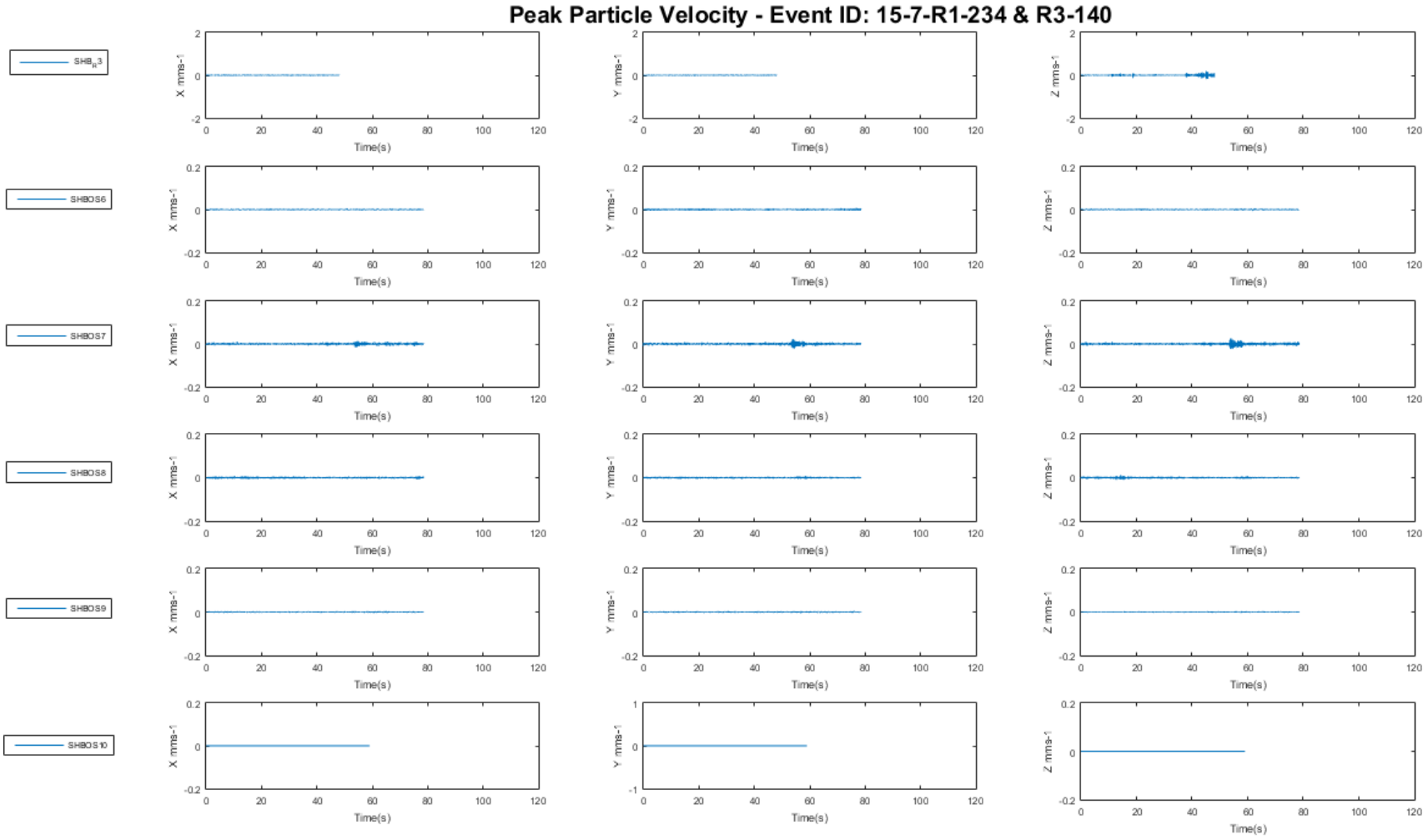


FIGURE 3.758: SHB_OS 6 - 10 15-7-R1-234 & R3-140

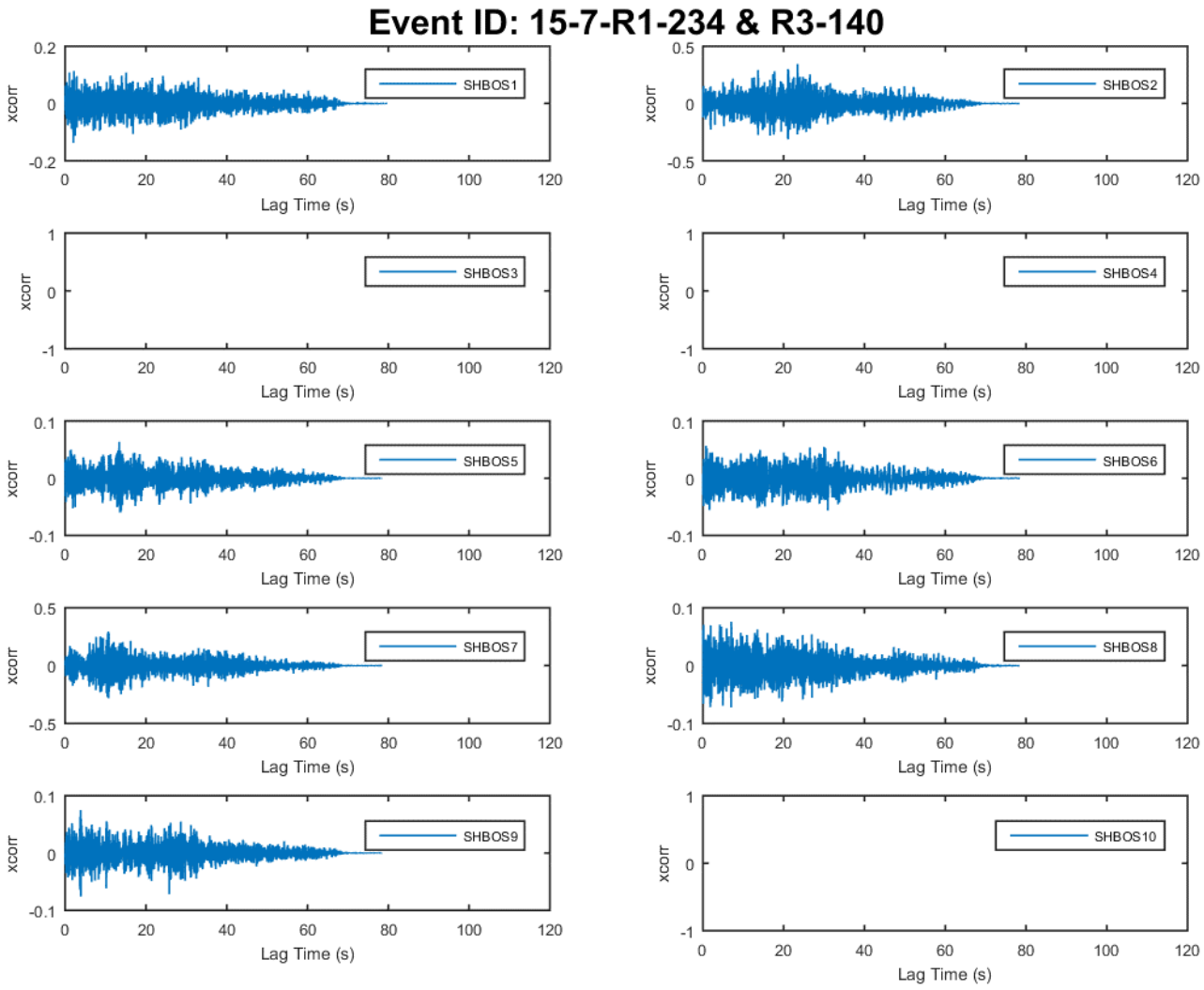


FIGURE 3.759: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-234 & R3-140

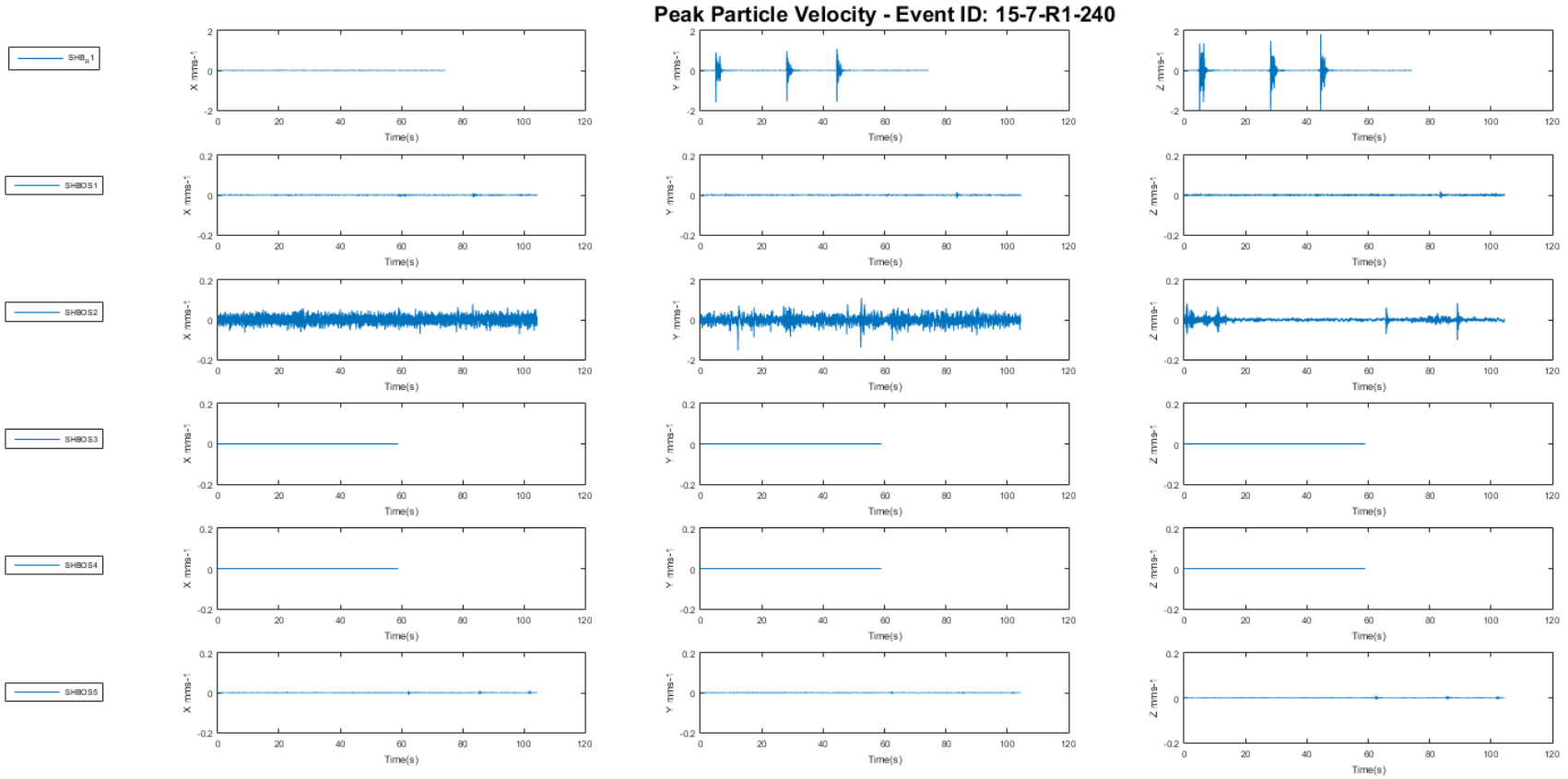
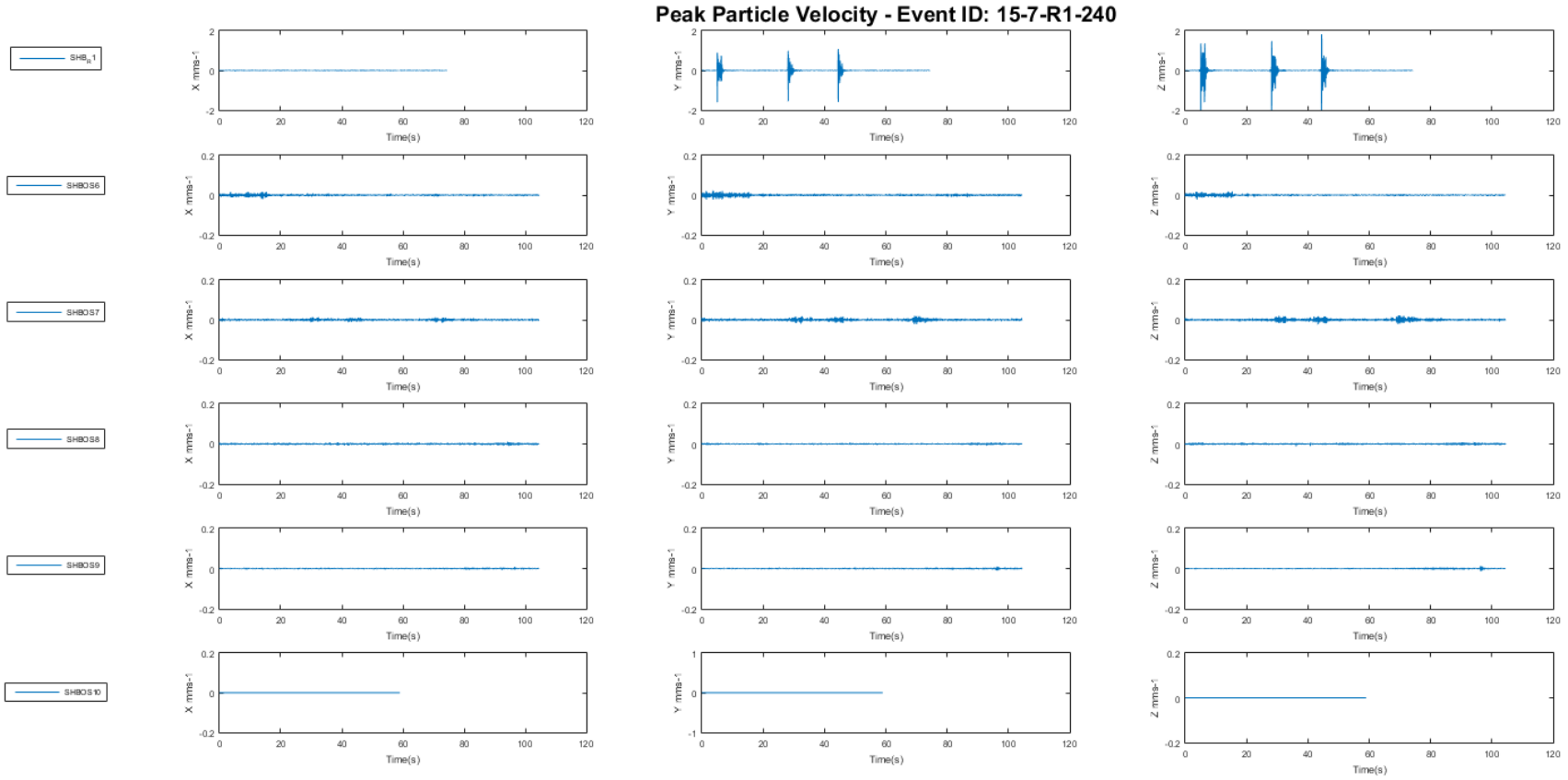


FIGURE 3.760: SHB_OS 1 - 5 15-7-R1-240

FIGURE 3.761: SHB_OS 6 - 10 15-7-R1-240



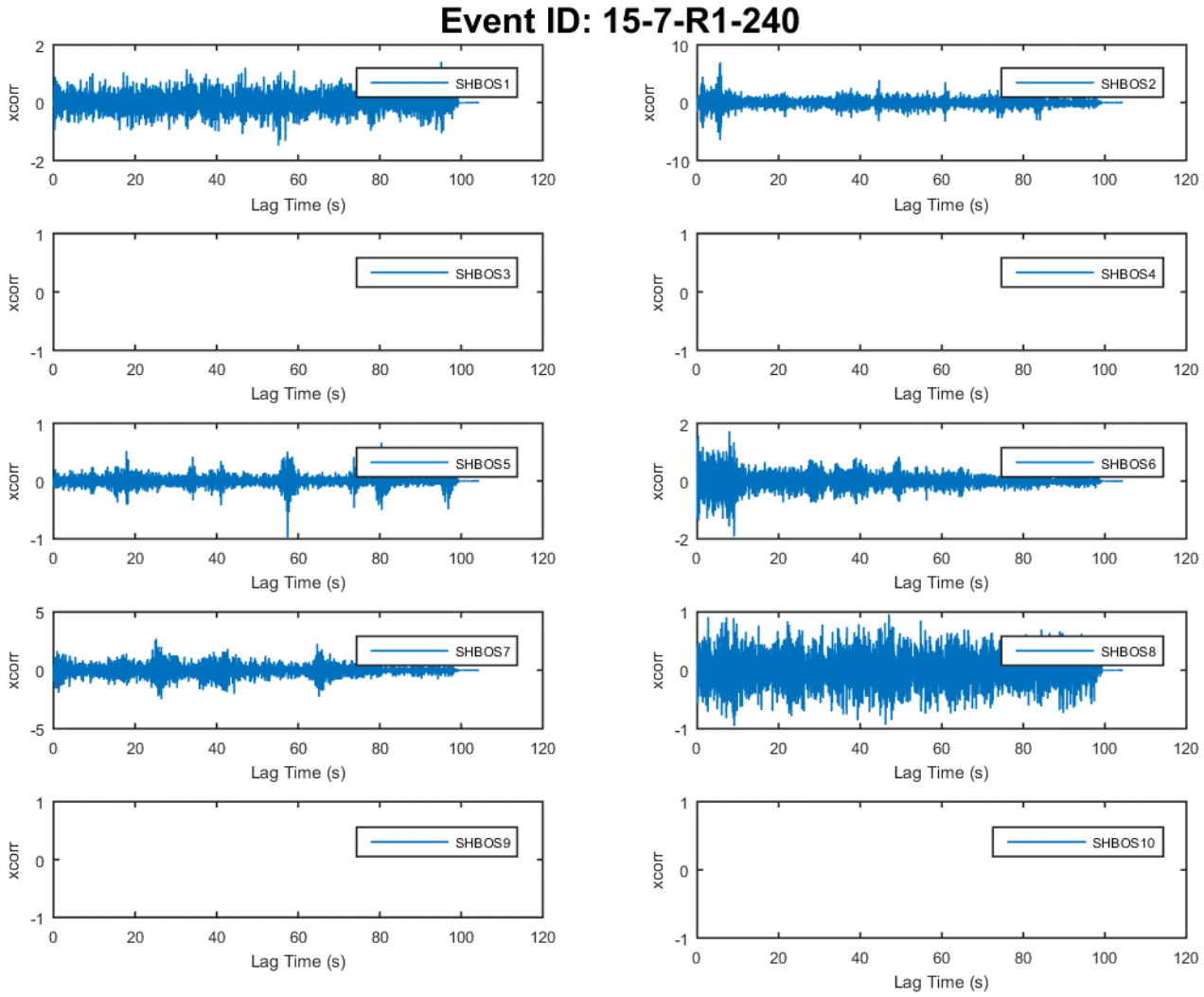


FIGURE 3.762: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-240

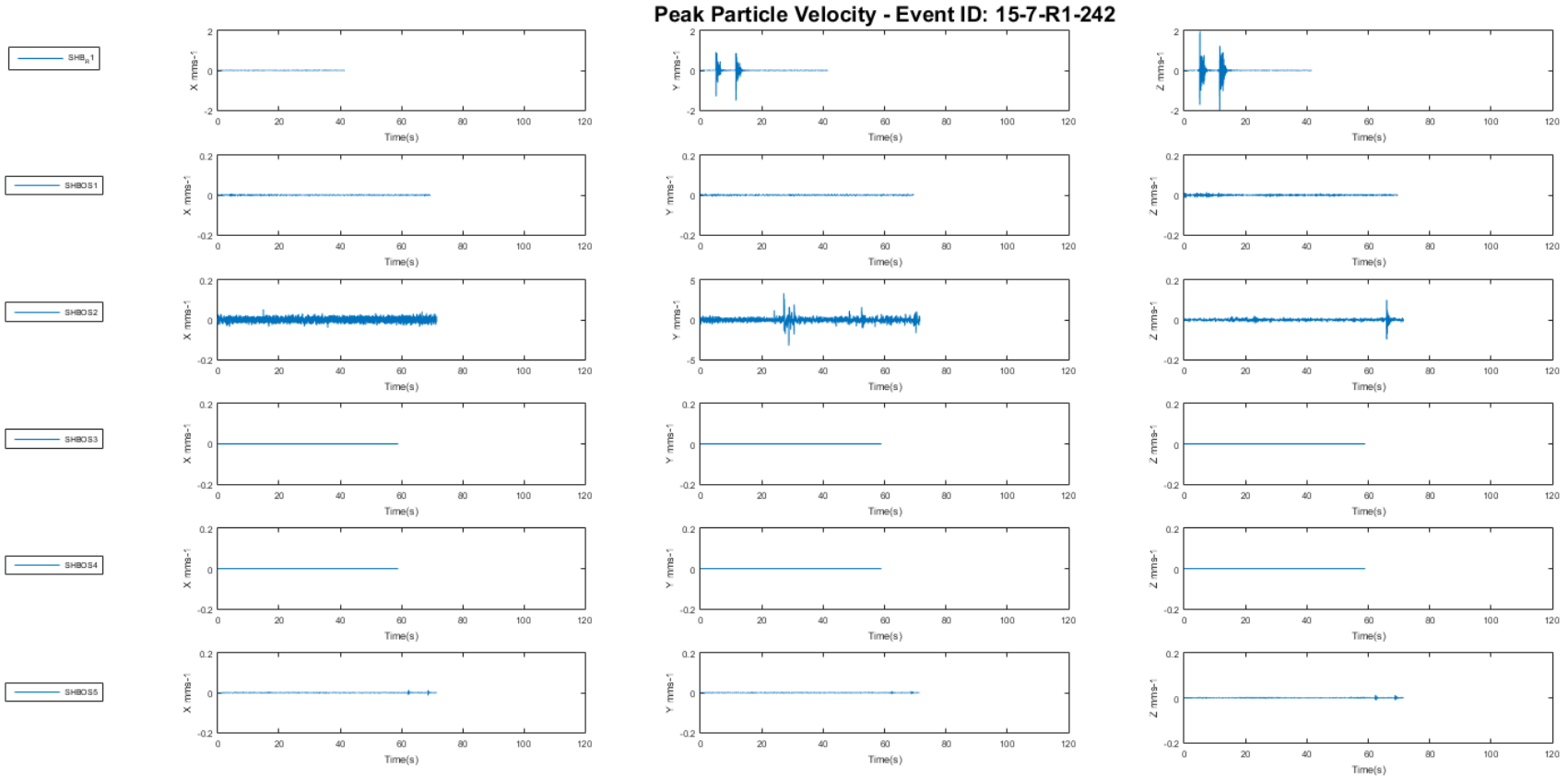
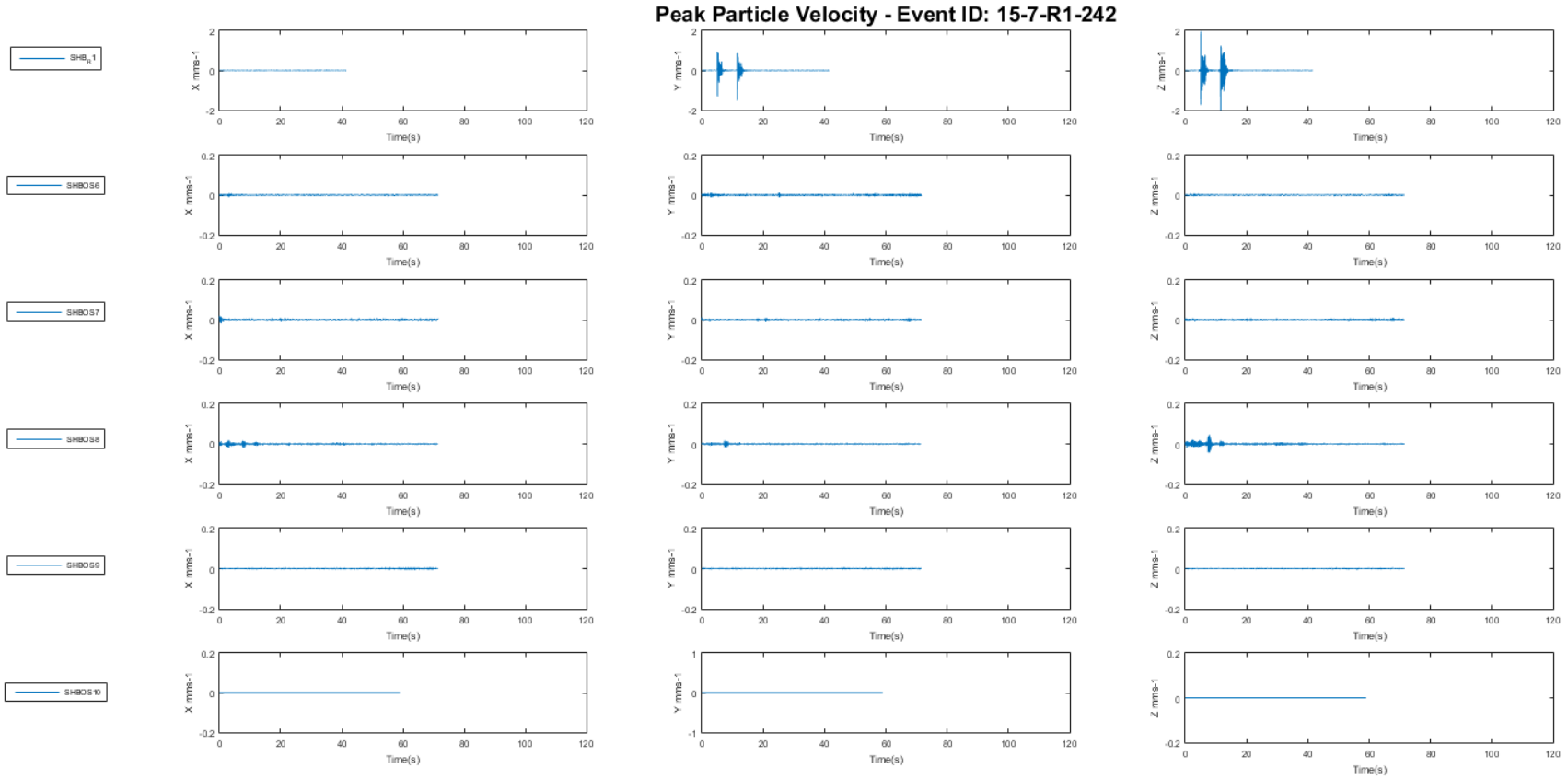


FIGURE 3.763: SHB_OS 1 - 5 15-7-R1-242

FIGURE 3.764: SHB_OS 6 - 10 15-7-R1-242



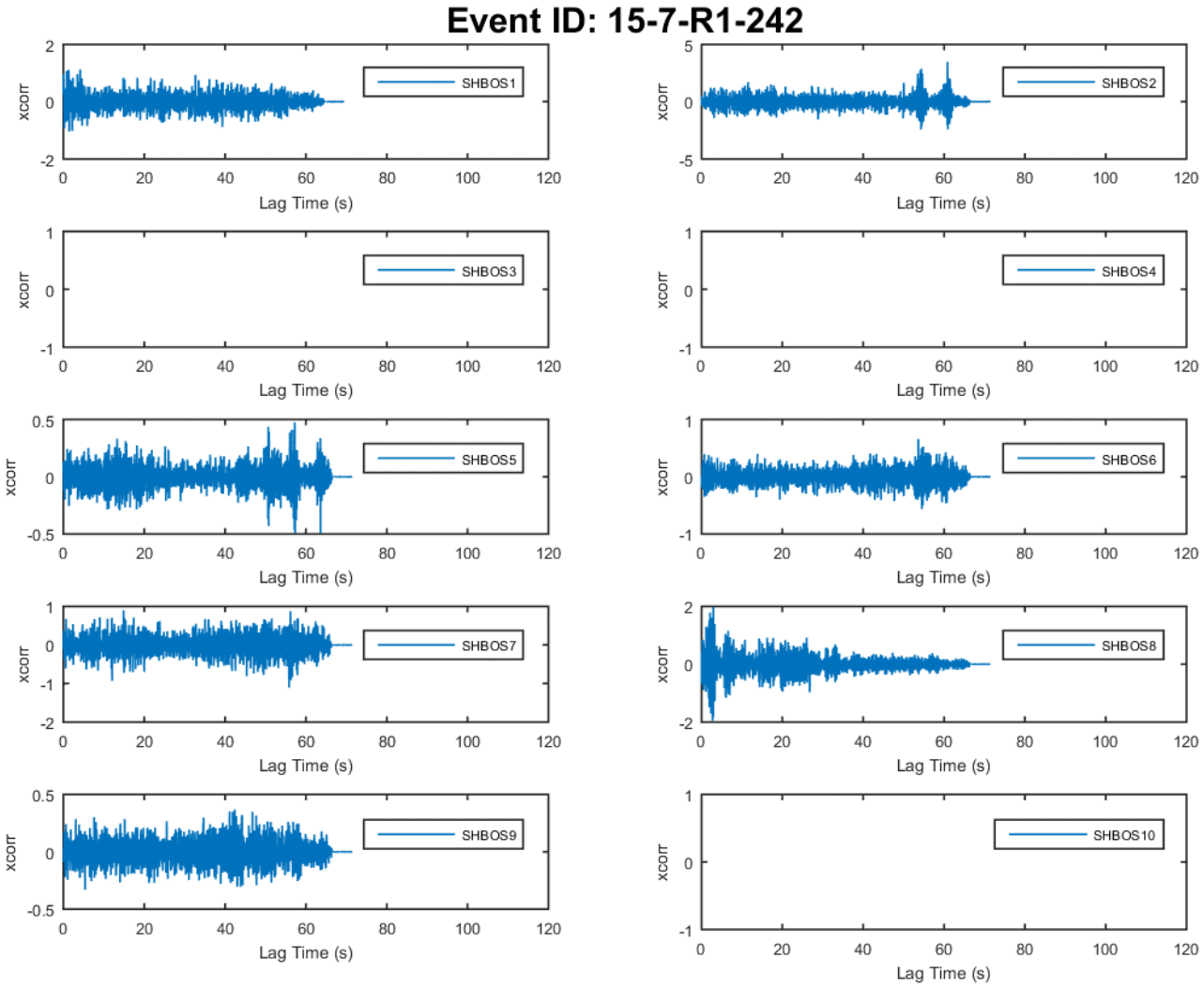


FIGURE 3.765: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-242

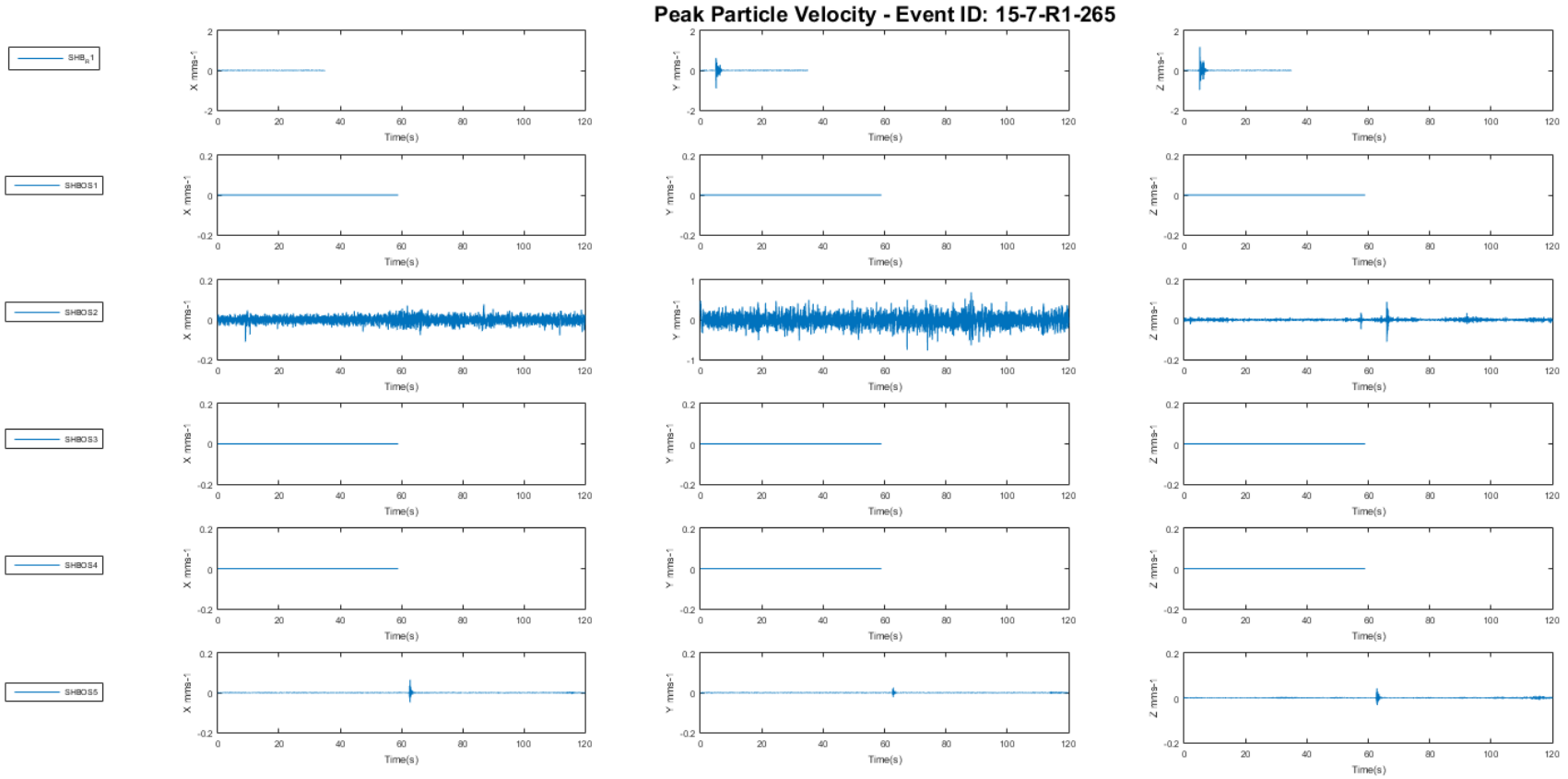
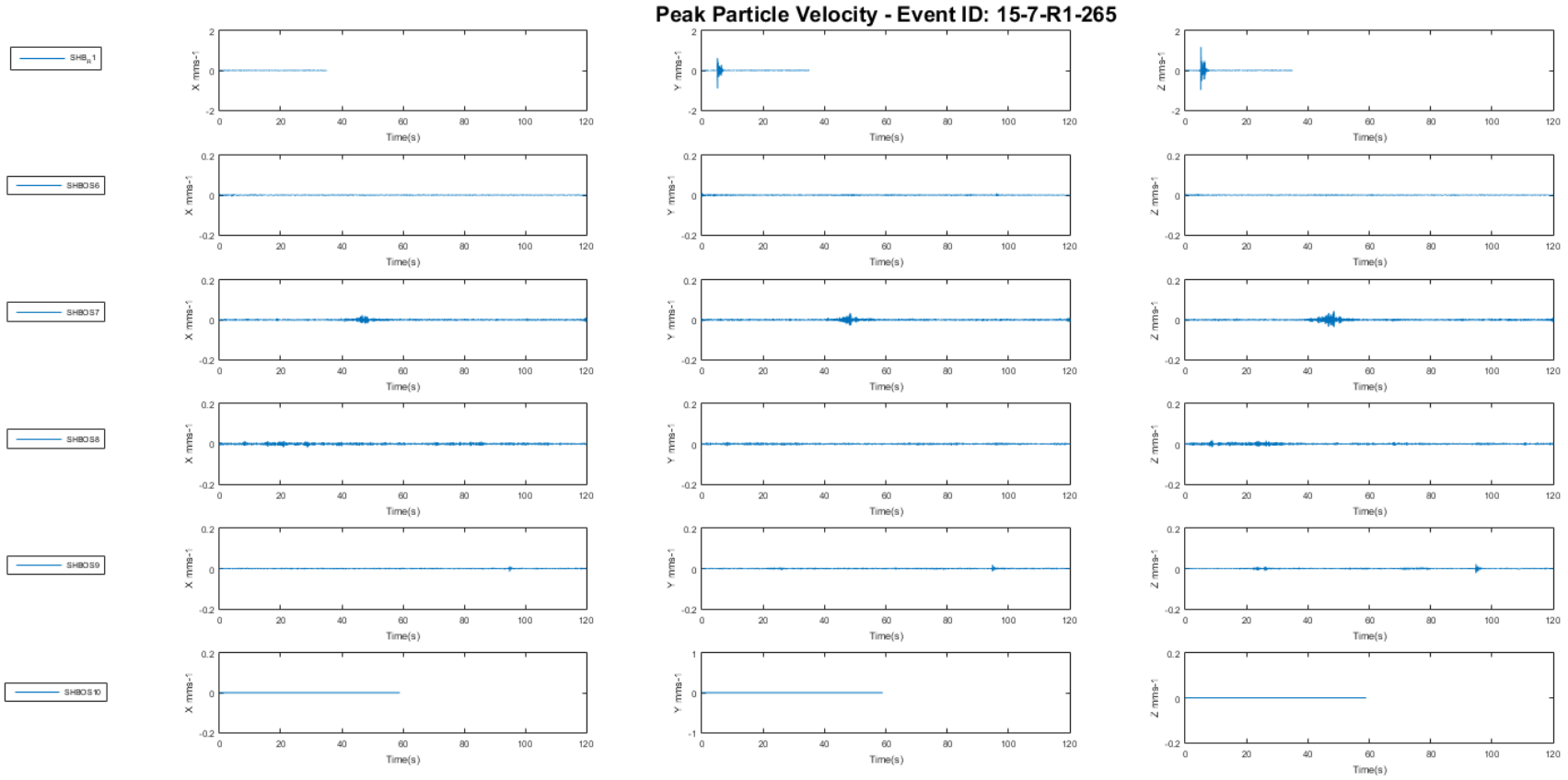


FIGURE 3.766: SHB_OS 1 - 5 15-7-R1-265

FIGURE 3.767: SHB_OS 6 - 10 15-7-R1-265



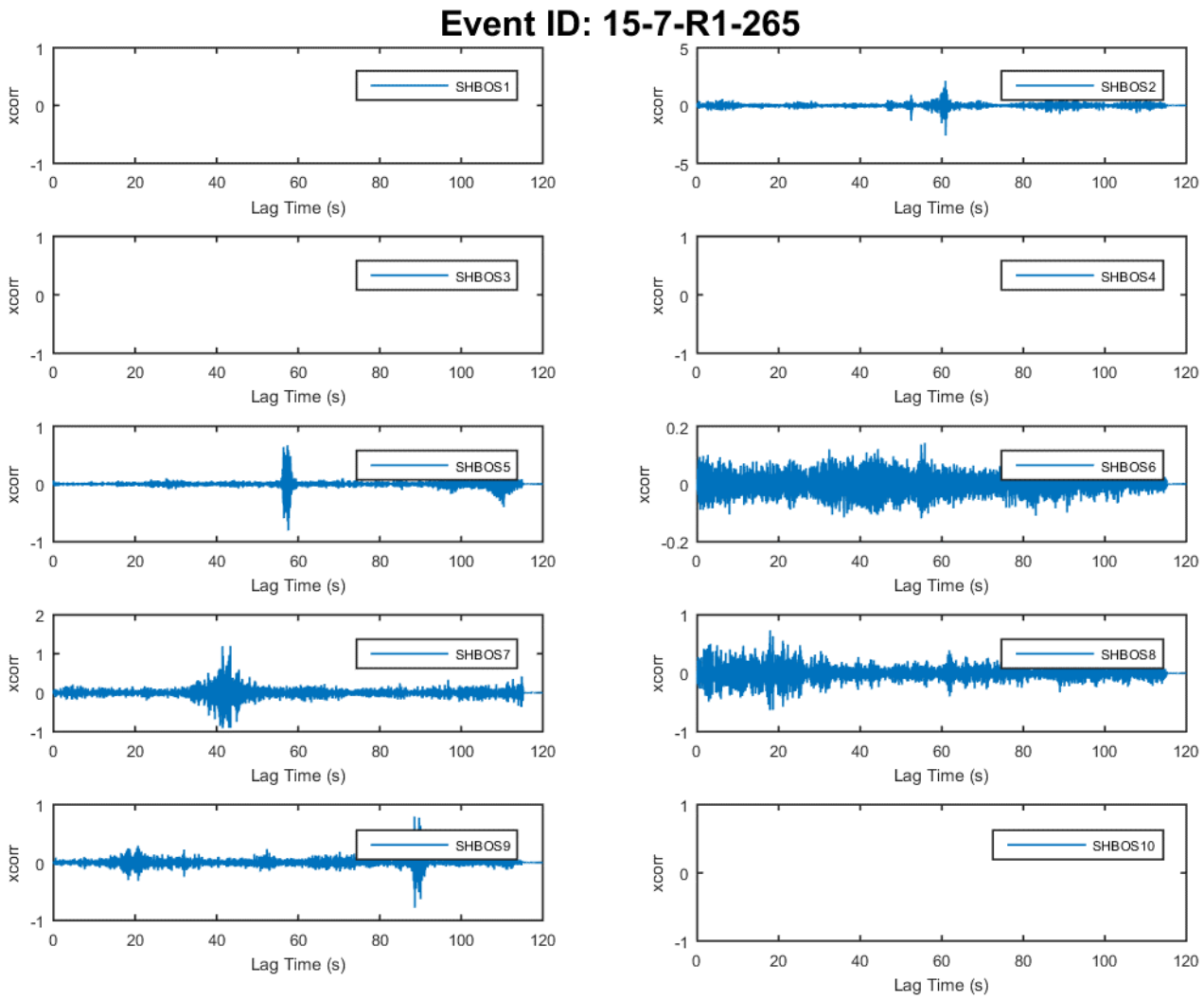


FIGURE 3.768: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-265

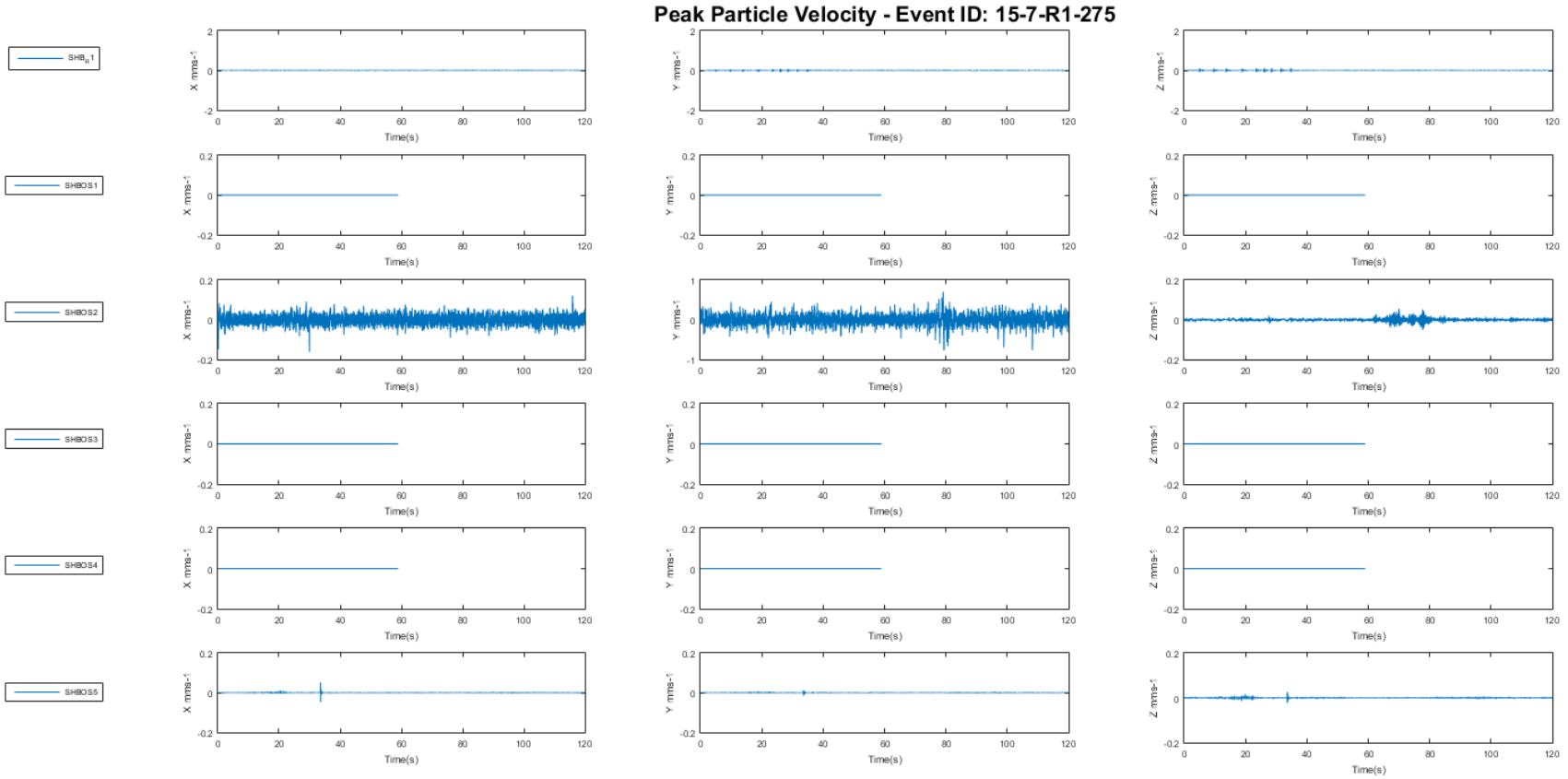
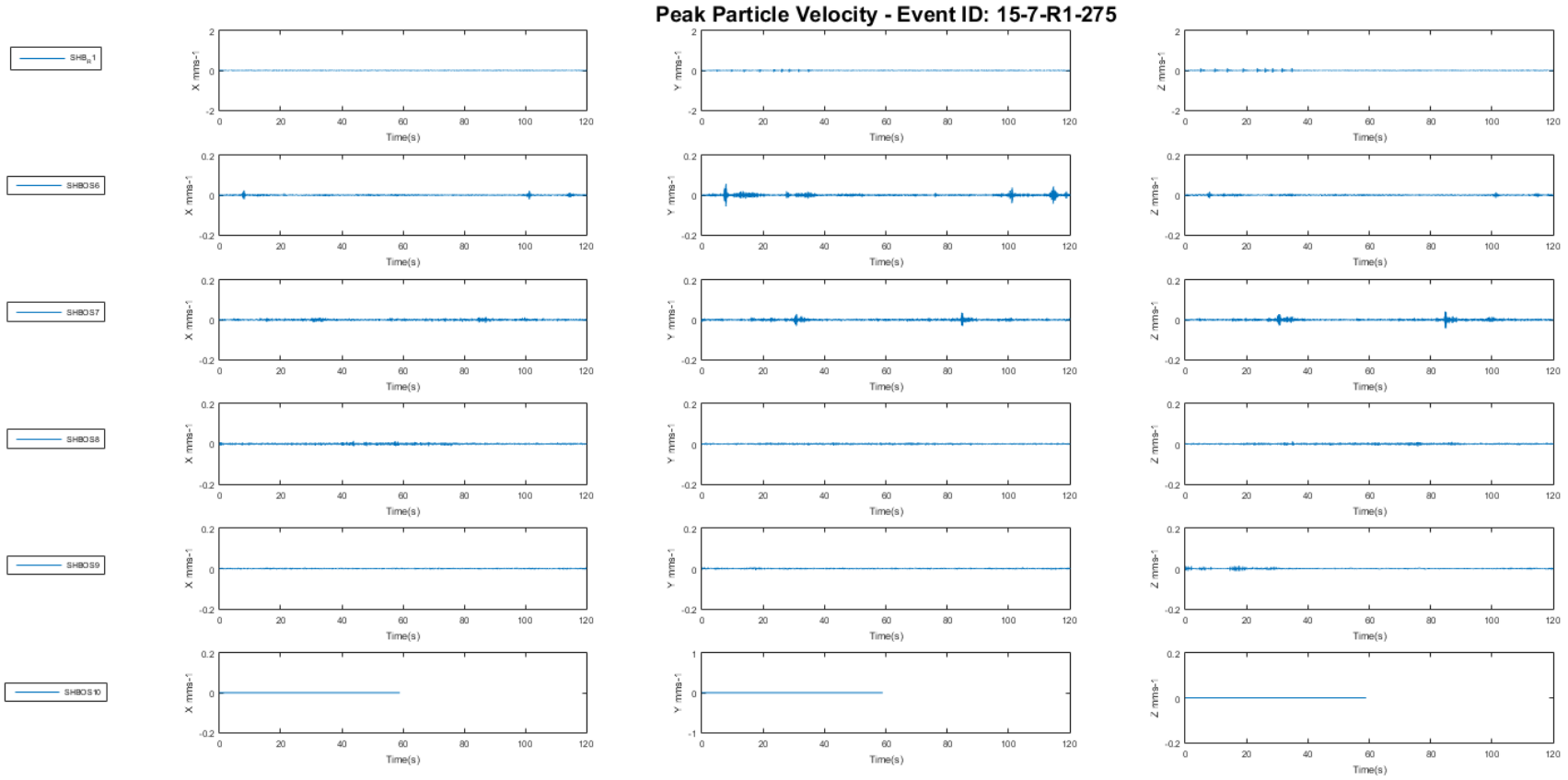


FIGURE 3.769: SHB_OS 1 - 5 15-7-R1-275

FIGURE 3.770: SHB_OS 6 - 10 15-7-R1-275



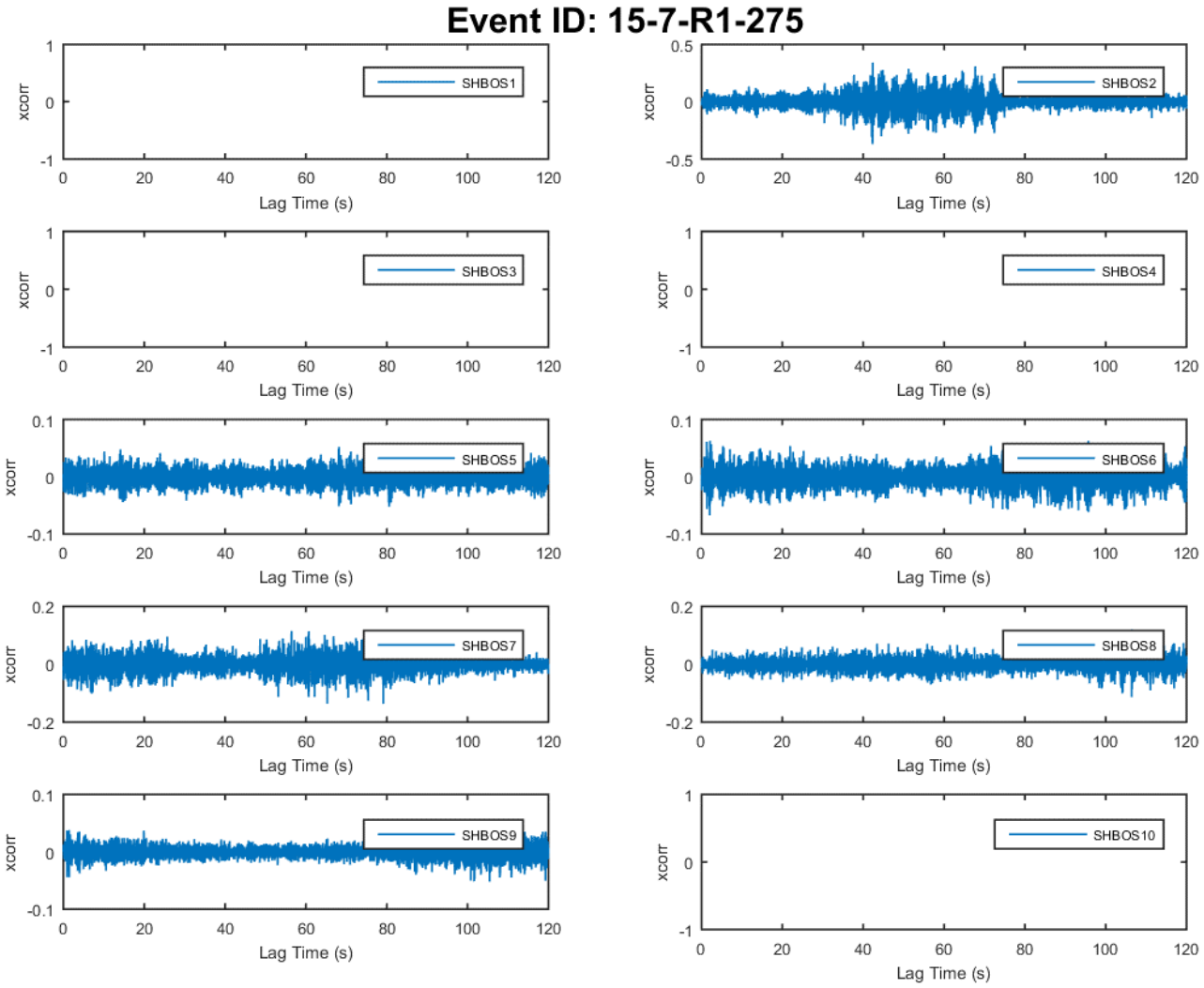


FIGURE 3.771: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-275

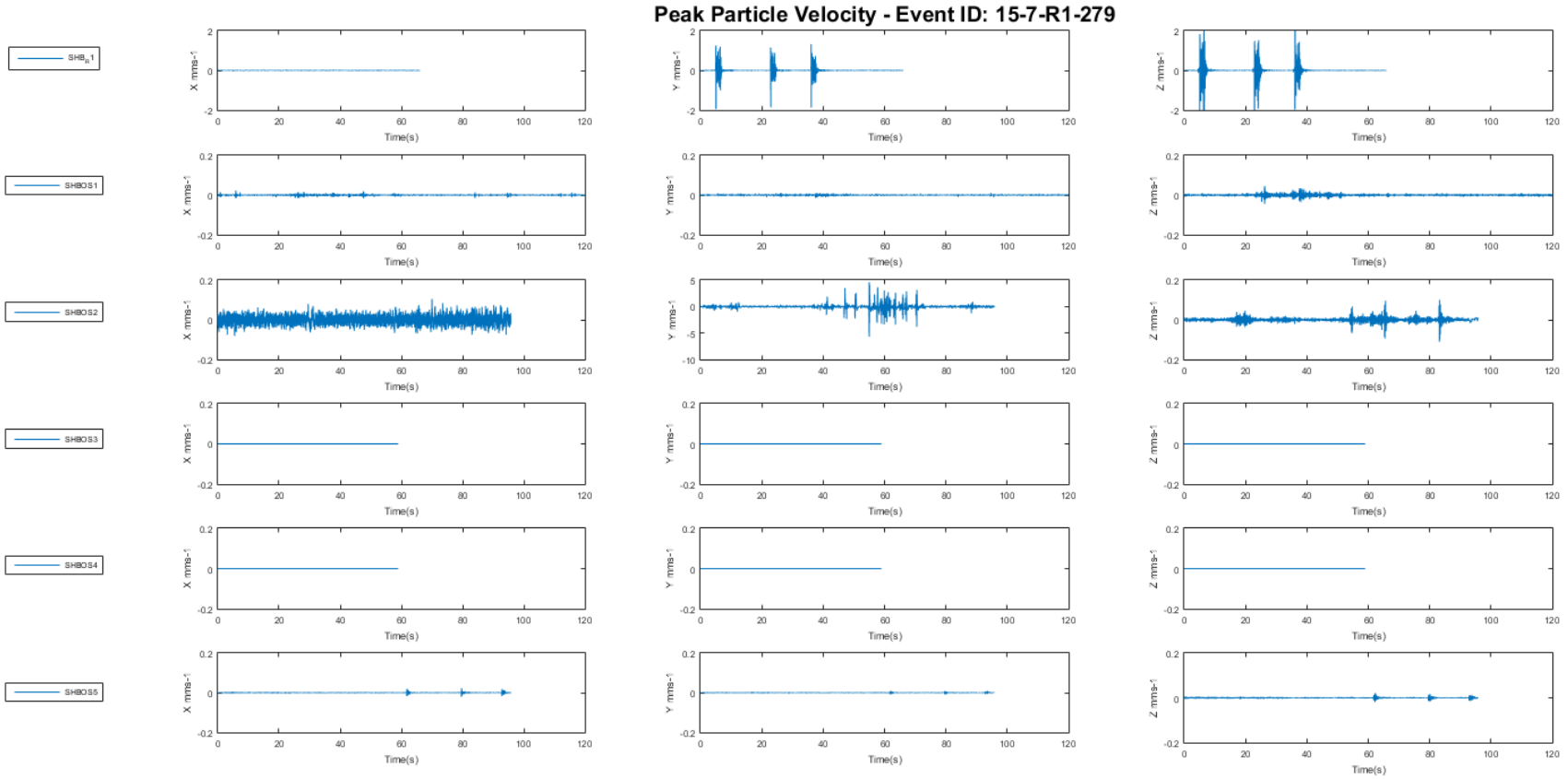
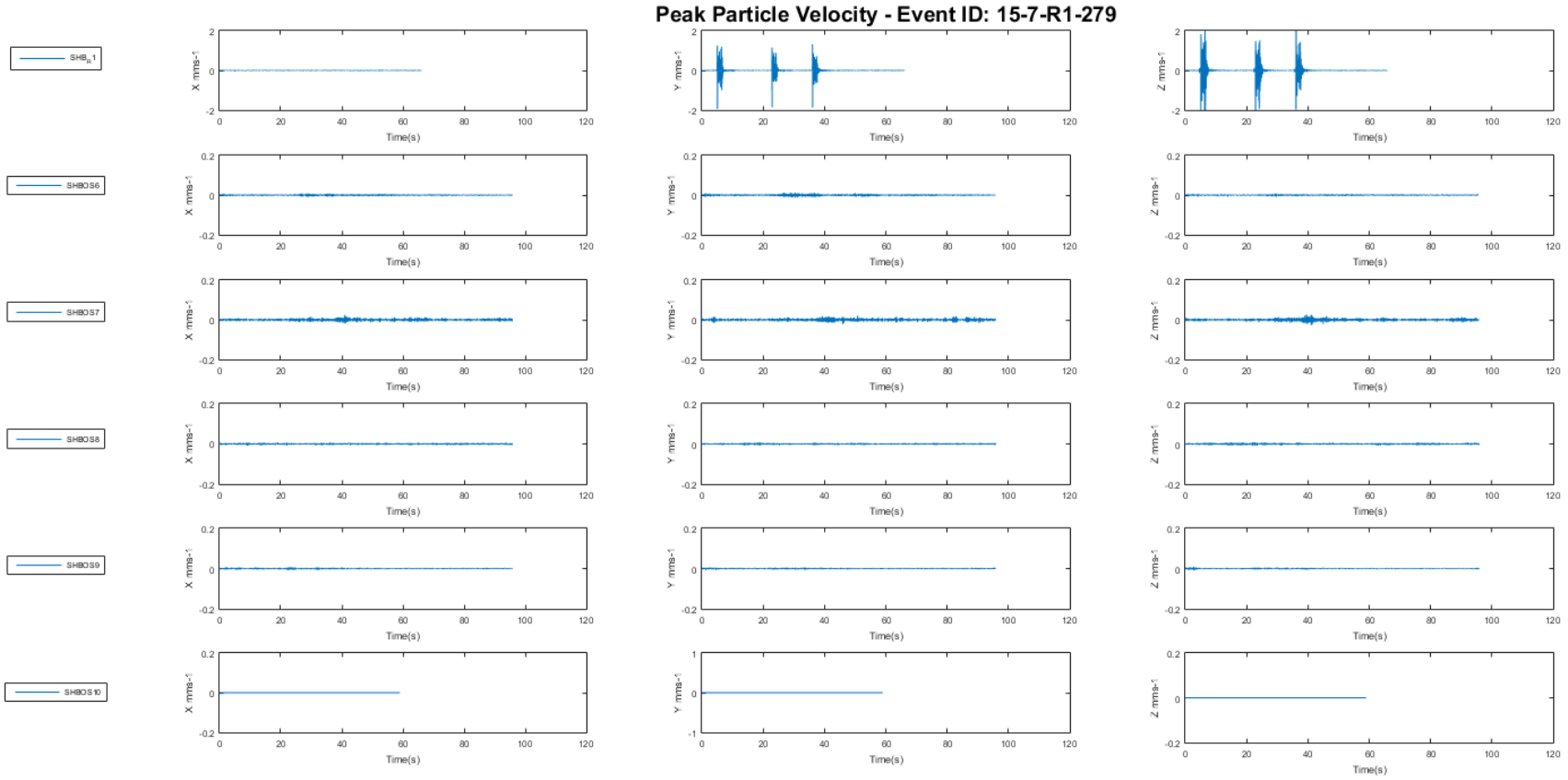


FIGURE 3.772: SHB_OS 1 - 5 15-7-R1-279

FIGURE 3.773: SHB_OS 6 - 10 15-7-R1-279



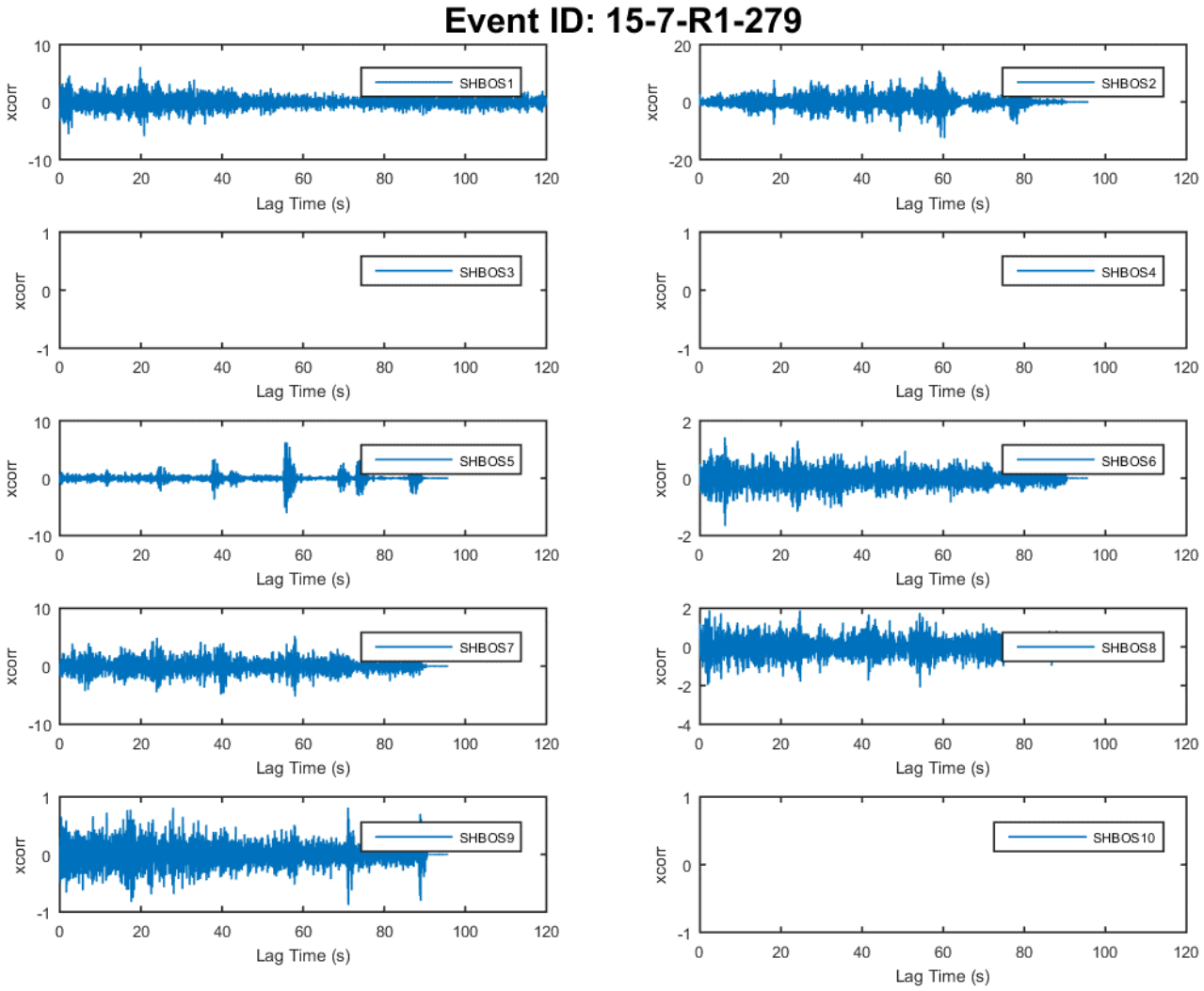


FIGURE 3.774: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-279

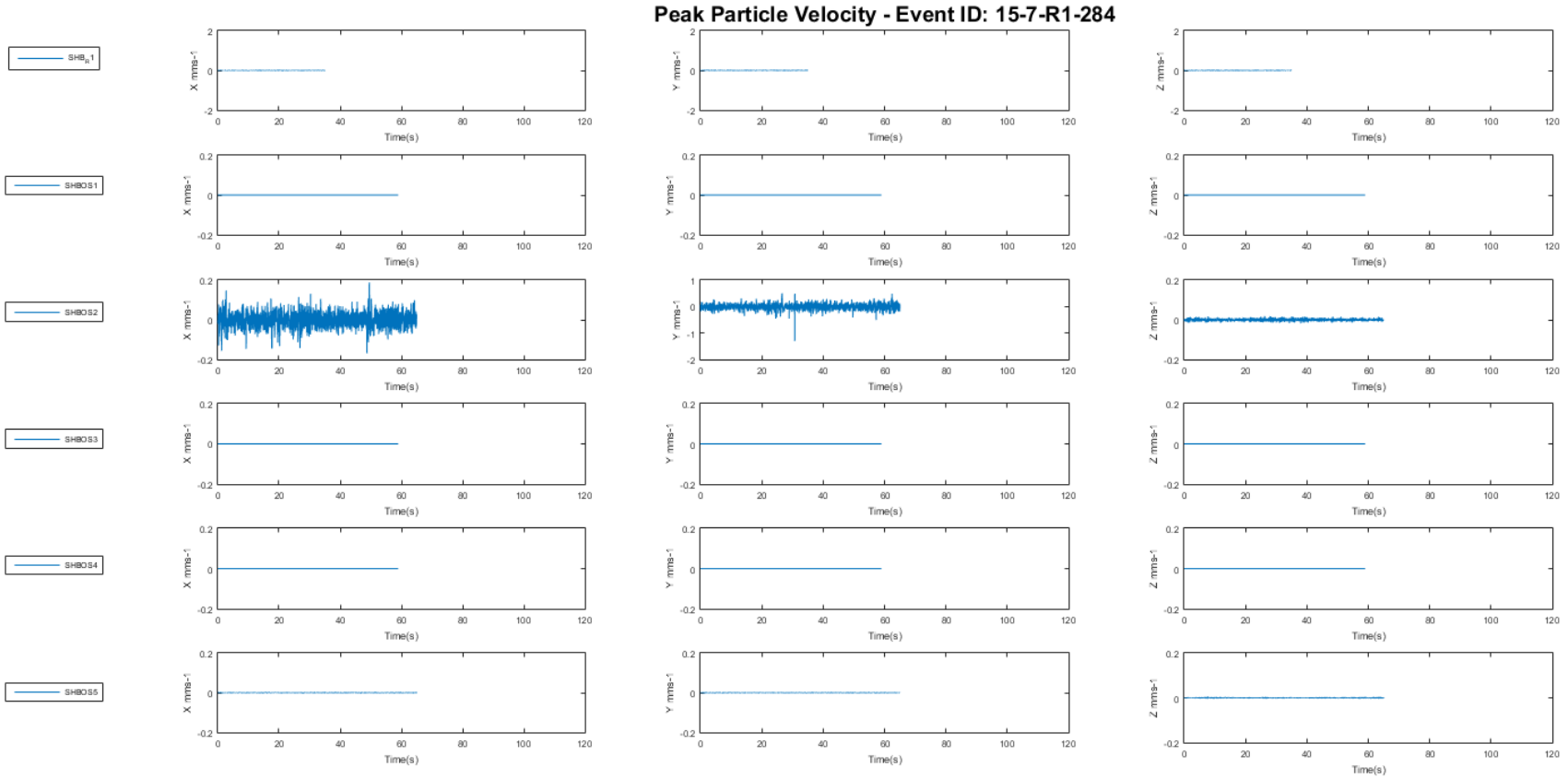
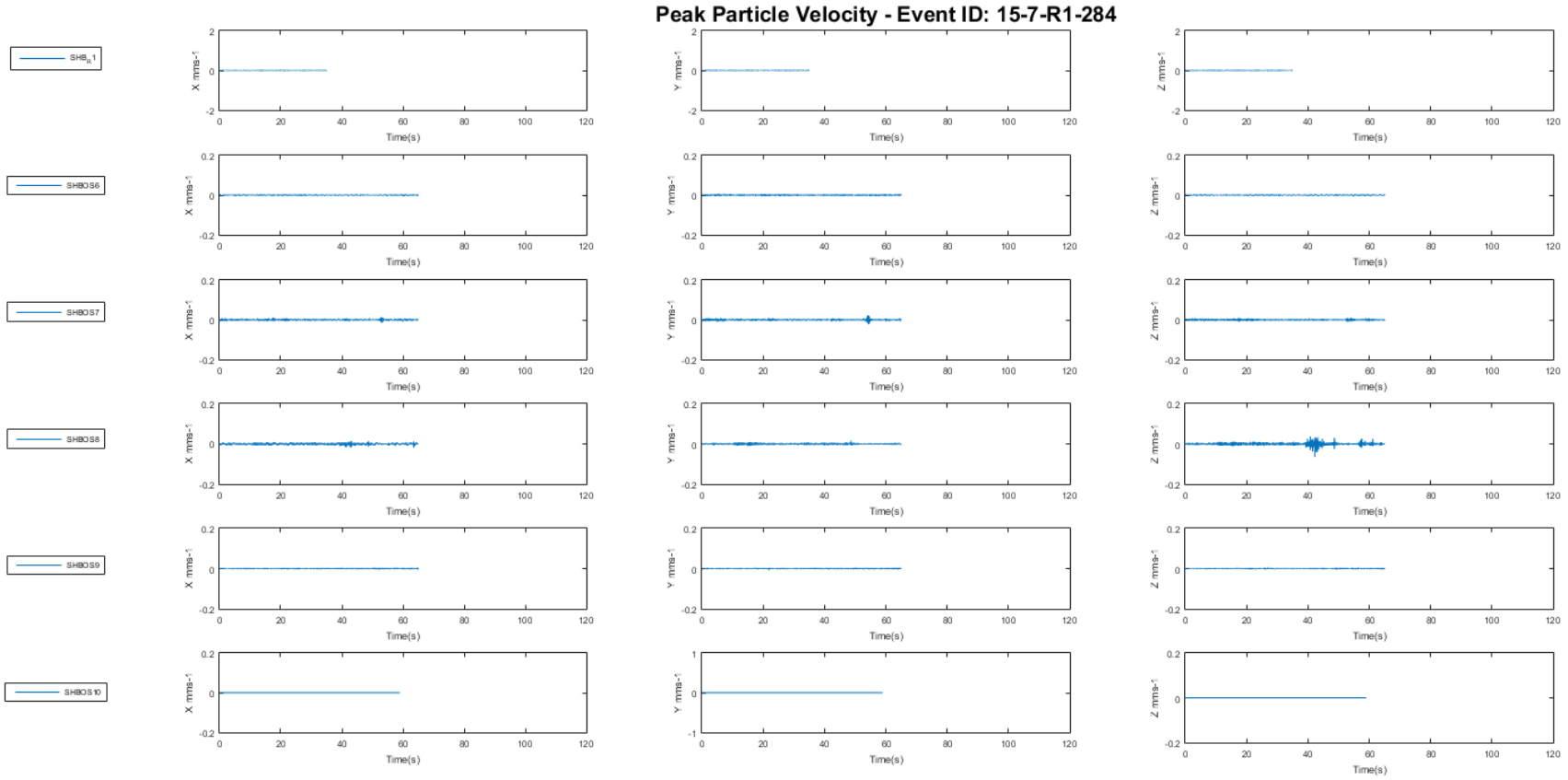


FIGURE 3.775: SHB_OS 1 - 5 15-7-R1-284

FIGURE 3.776: SHB_OS 6 - 10 15-7-R1-284



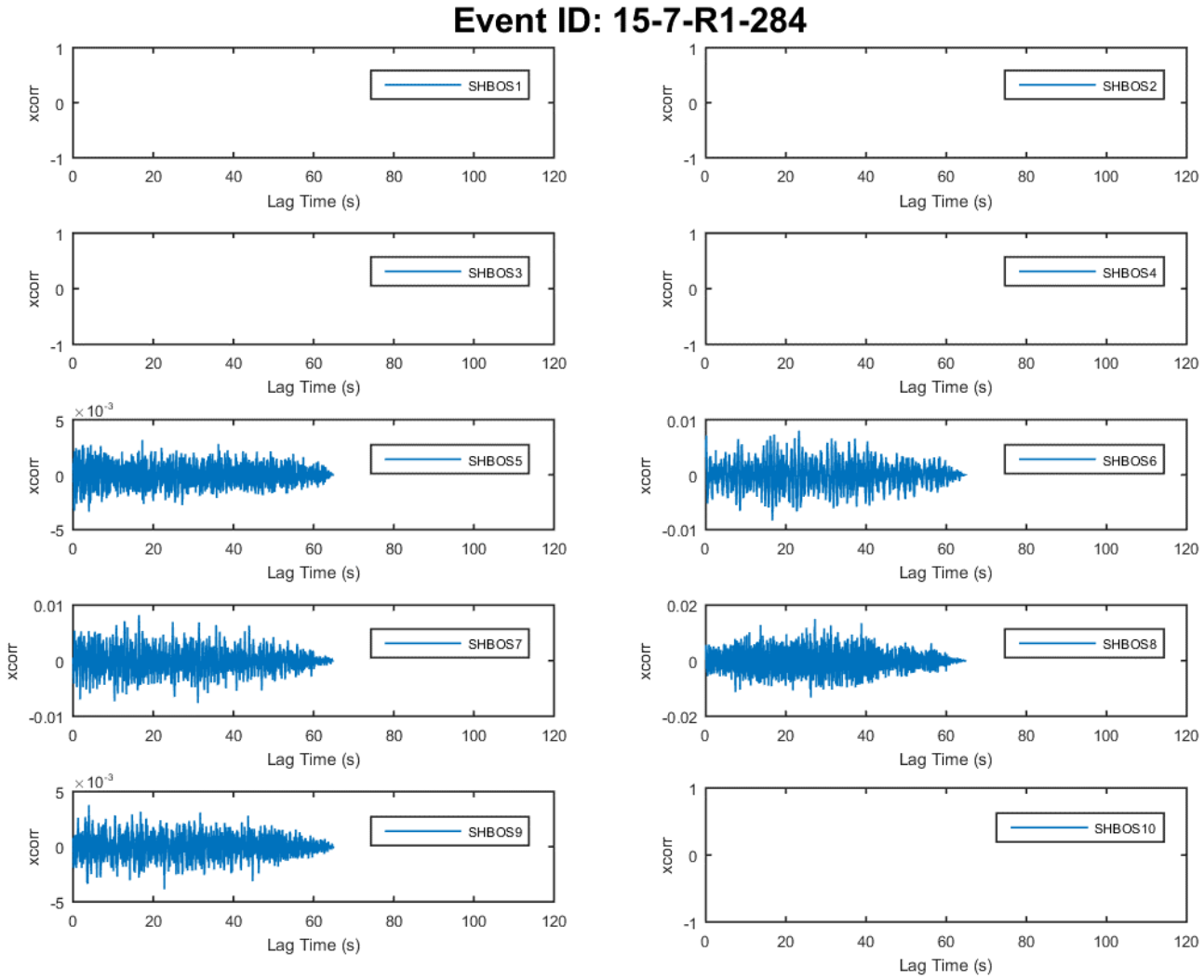


FIGURE 3.777: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-284

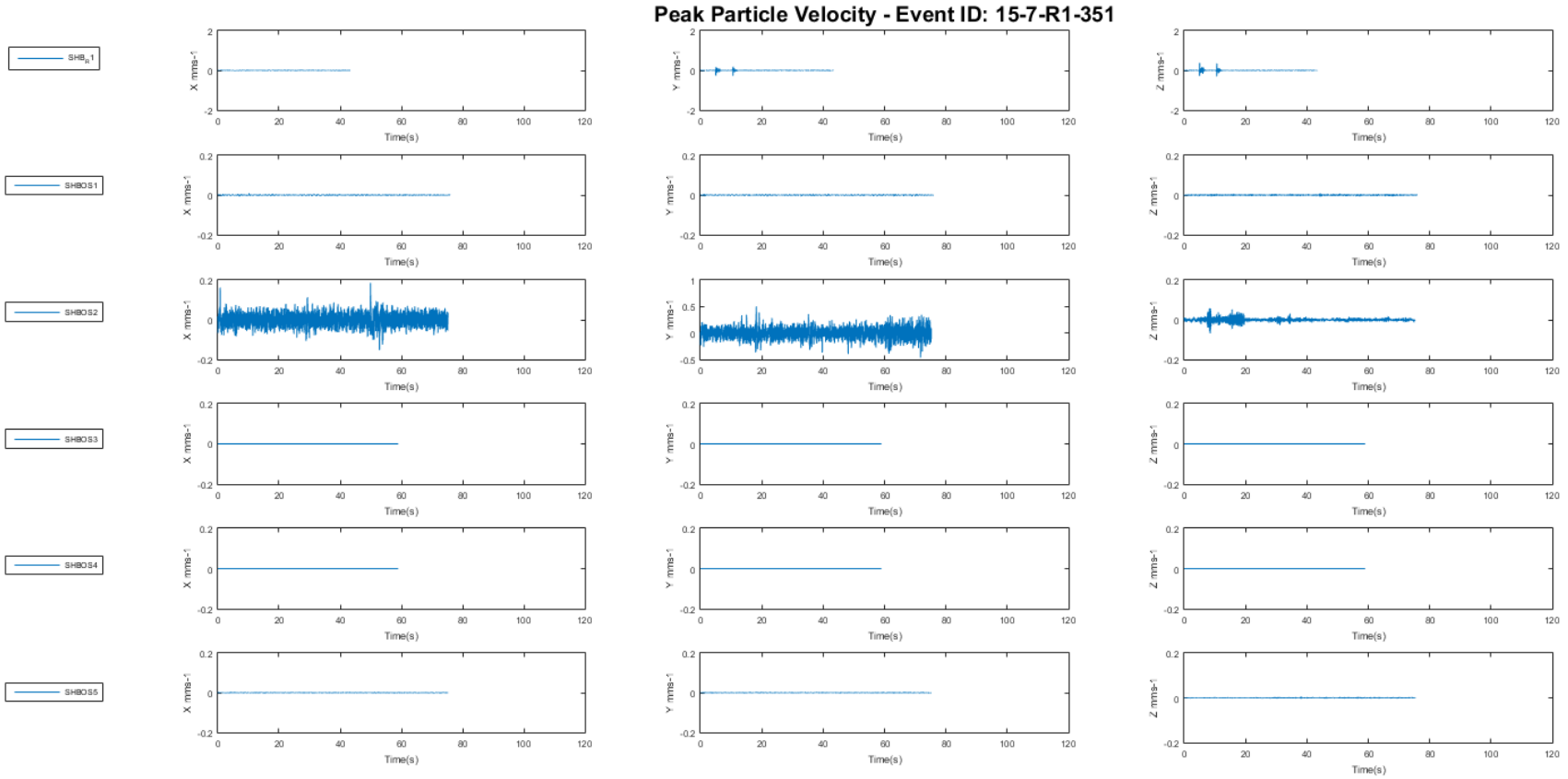
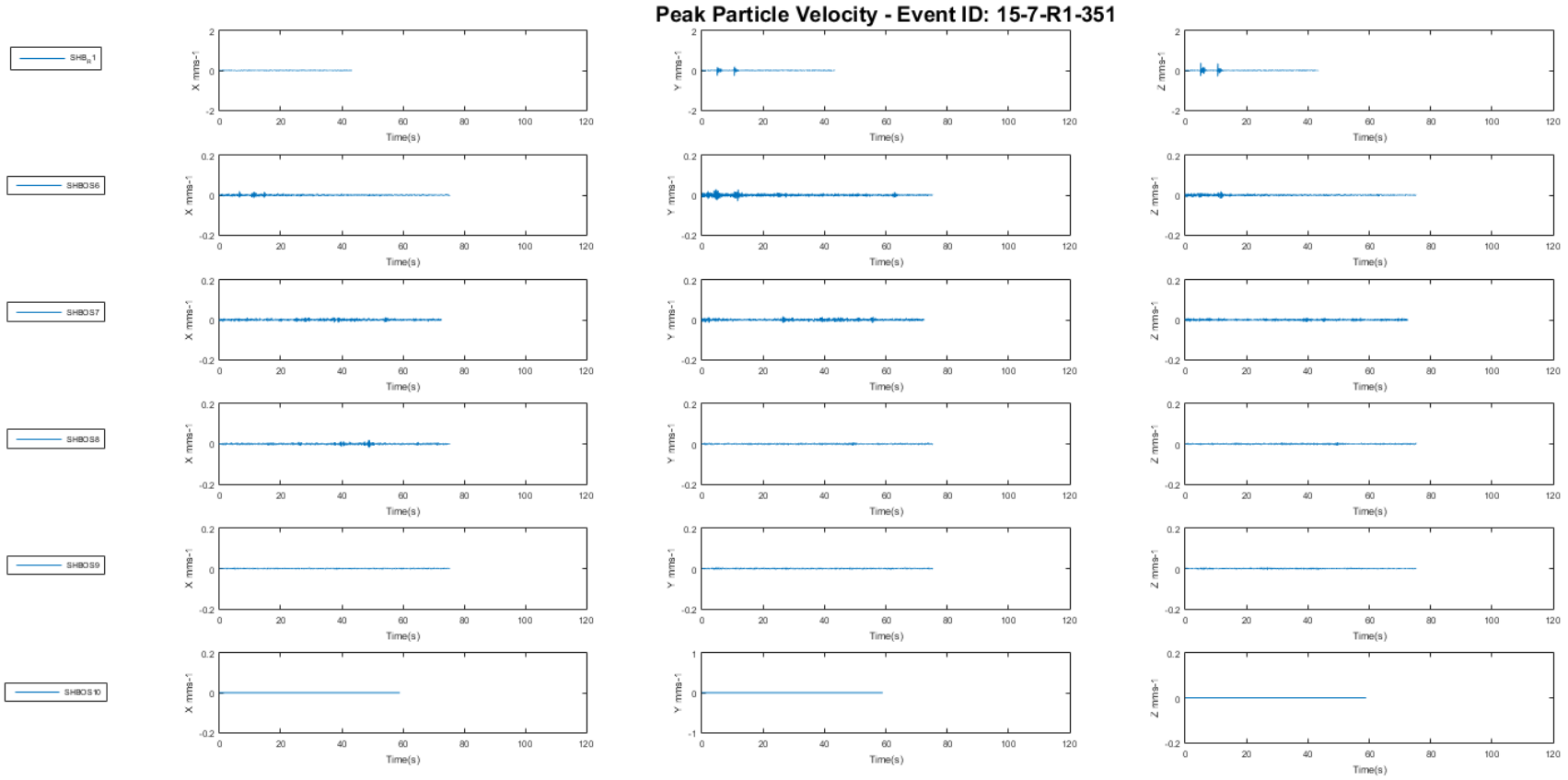


FIGURE 3.778: SHB_OS 1 - 5 15-7-R1-351

FIGURE 3.779: SHB_OS 6 - 10 15-7-R1-351



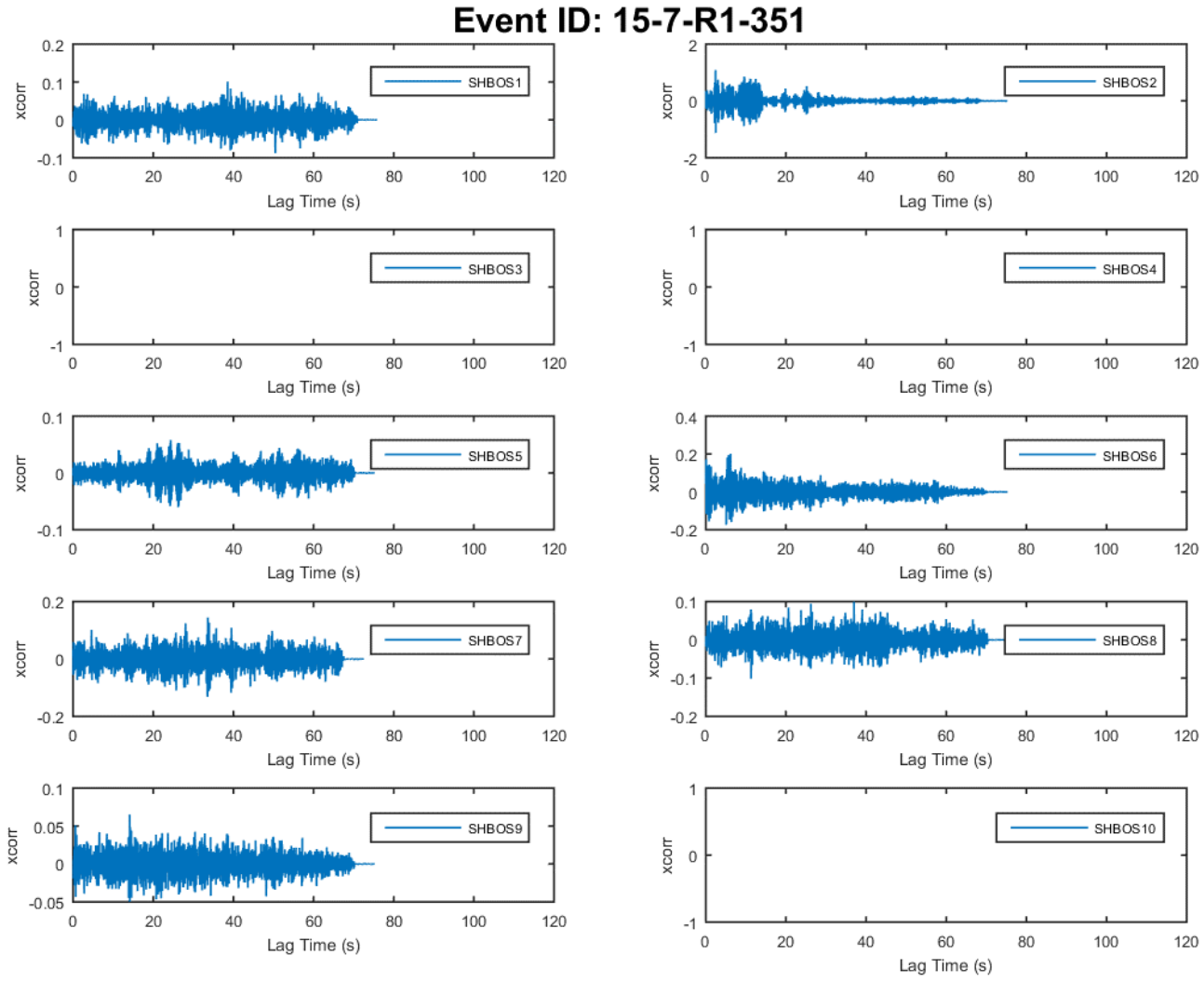


FIGURE 3.780: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-351

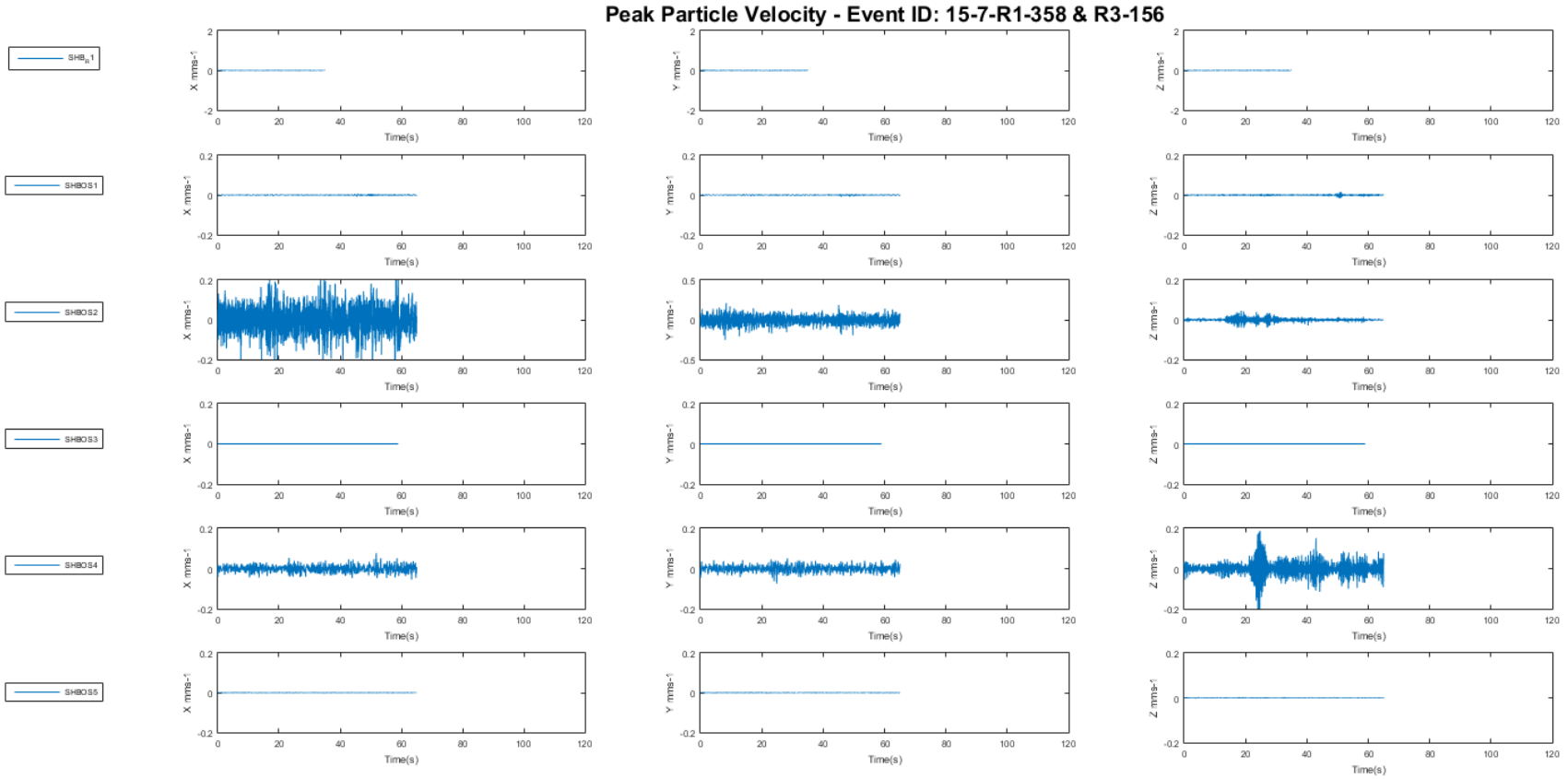
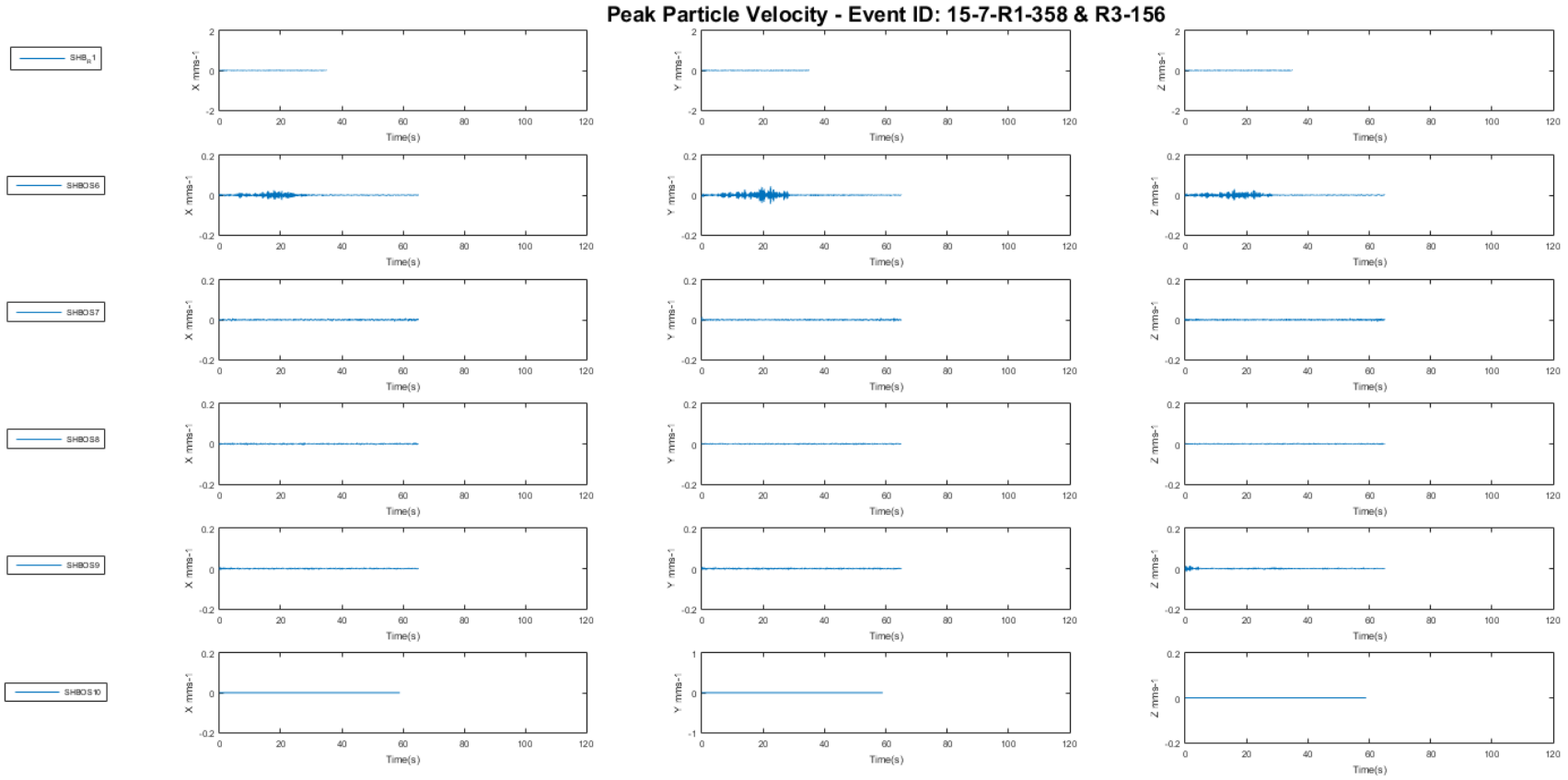


FIGURE 3.781: SHB_OS 1 - 5 15-7-R1-358 & R3-156

FIGURE 3.782: SHB_OS 6 - 10 15-7-R1-358 & R3-156



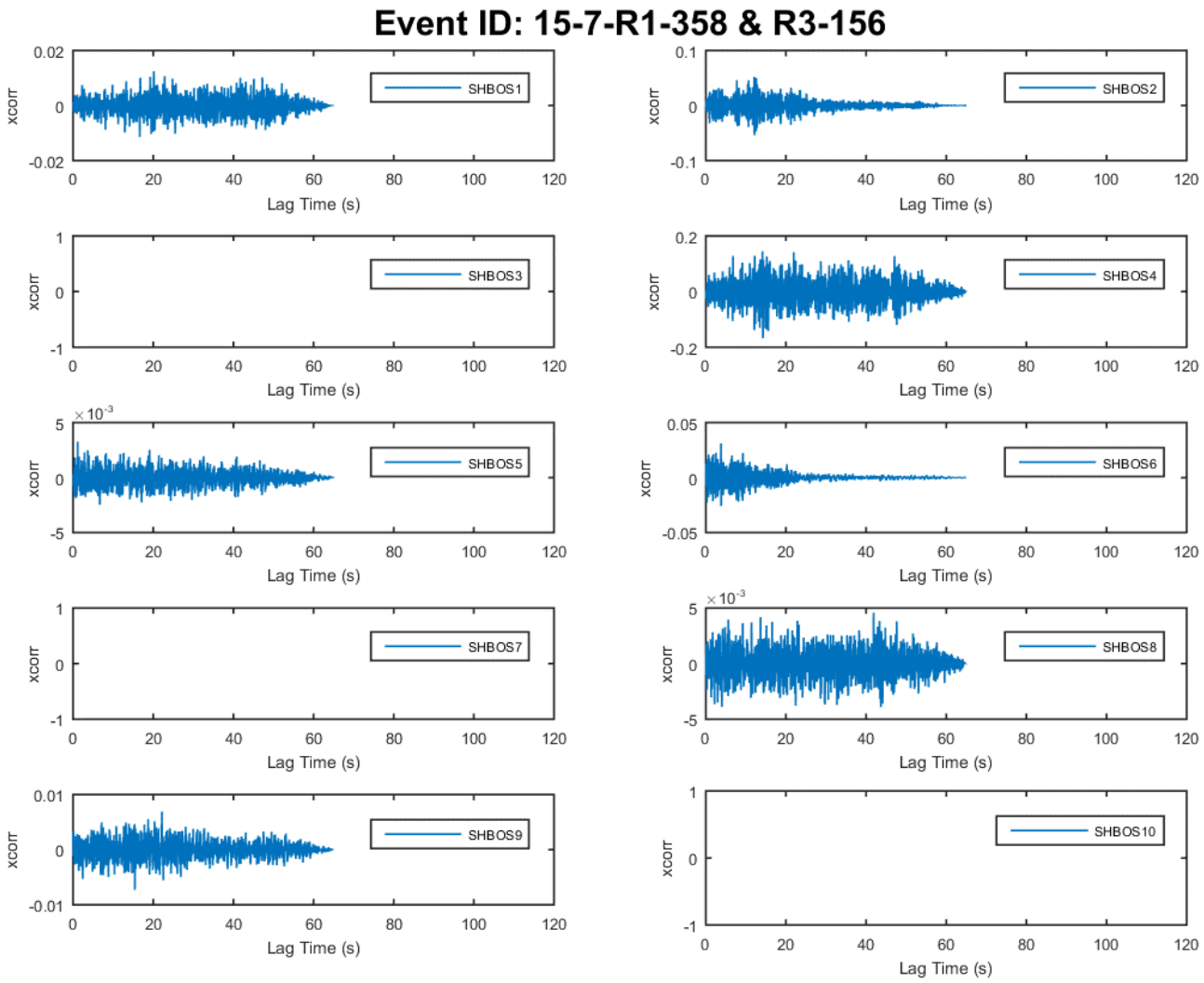


FIGURE 3.783: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-358 & R3-156

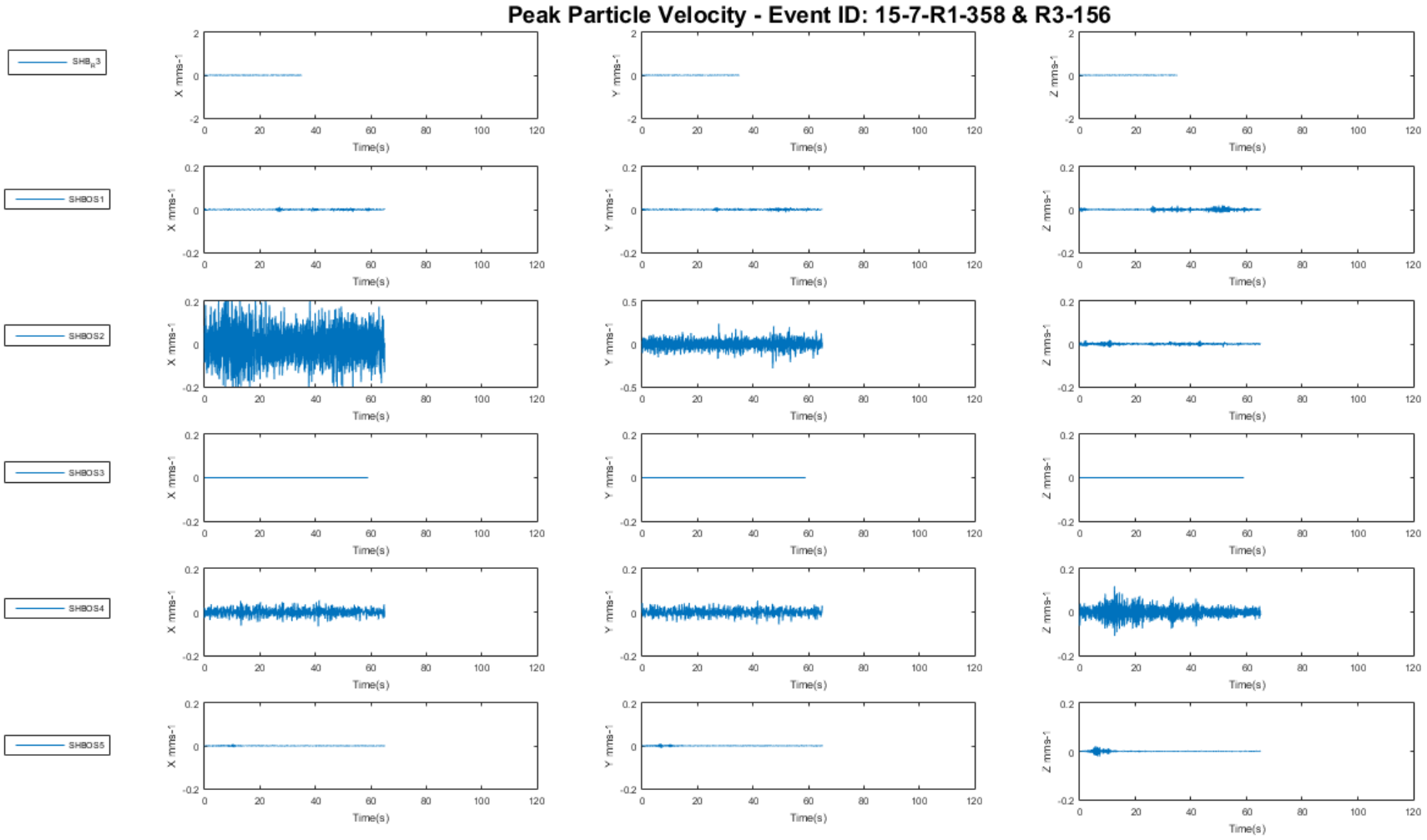


FIGURE 3.784: SHB_OS 1 - 5 15-7-R1-358 & R3-156

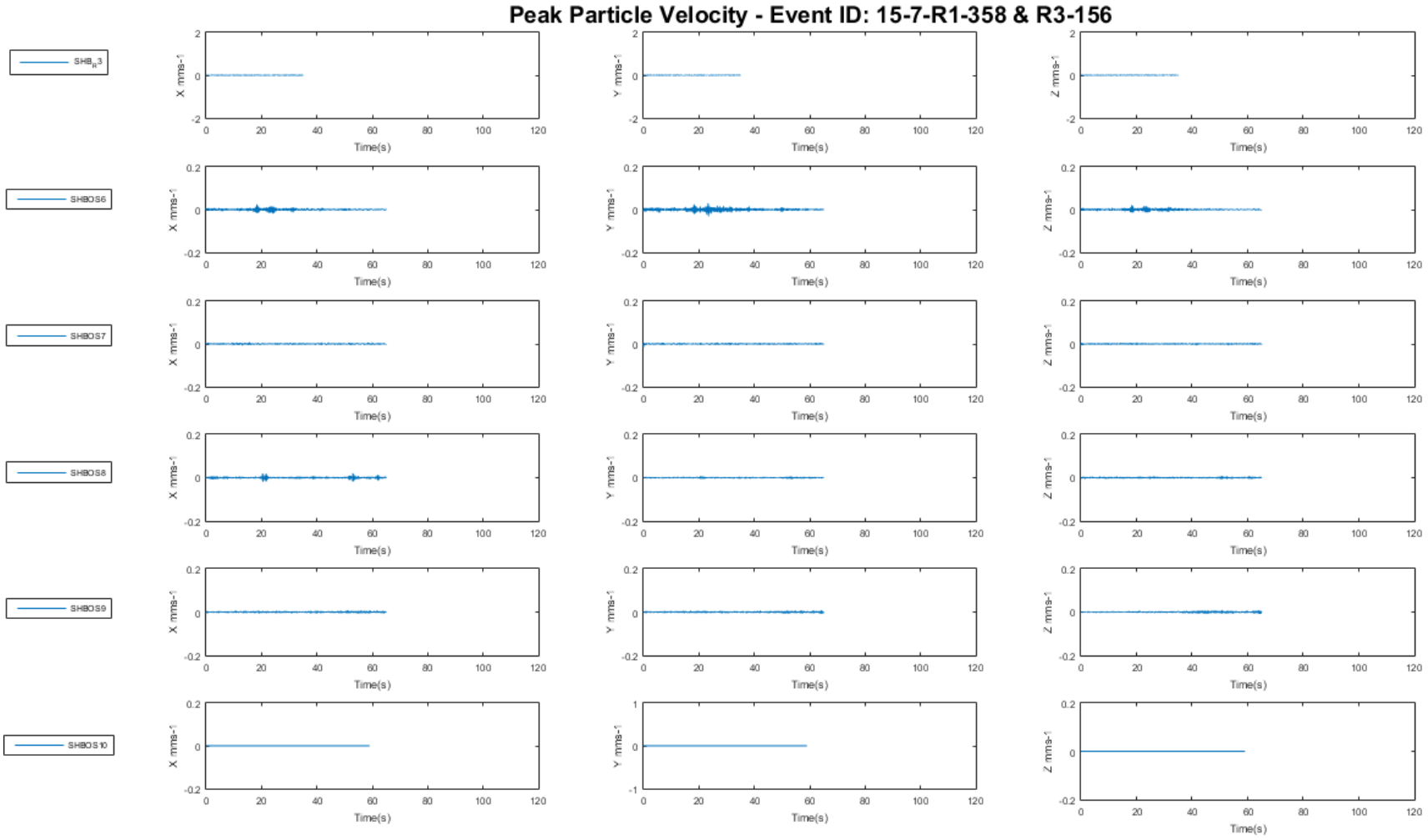


FIGURE 3.785: SHB_OS 6 - 10 15-7-R1-358 & R3-156

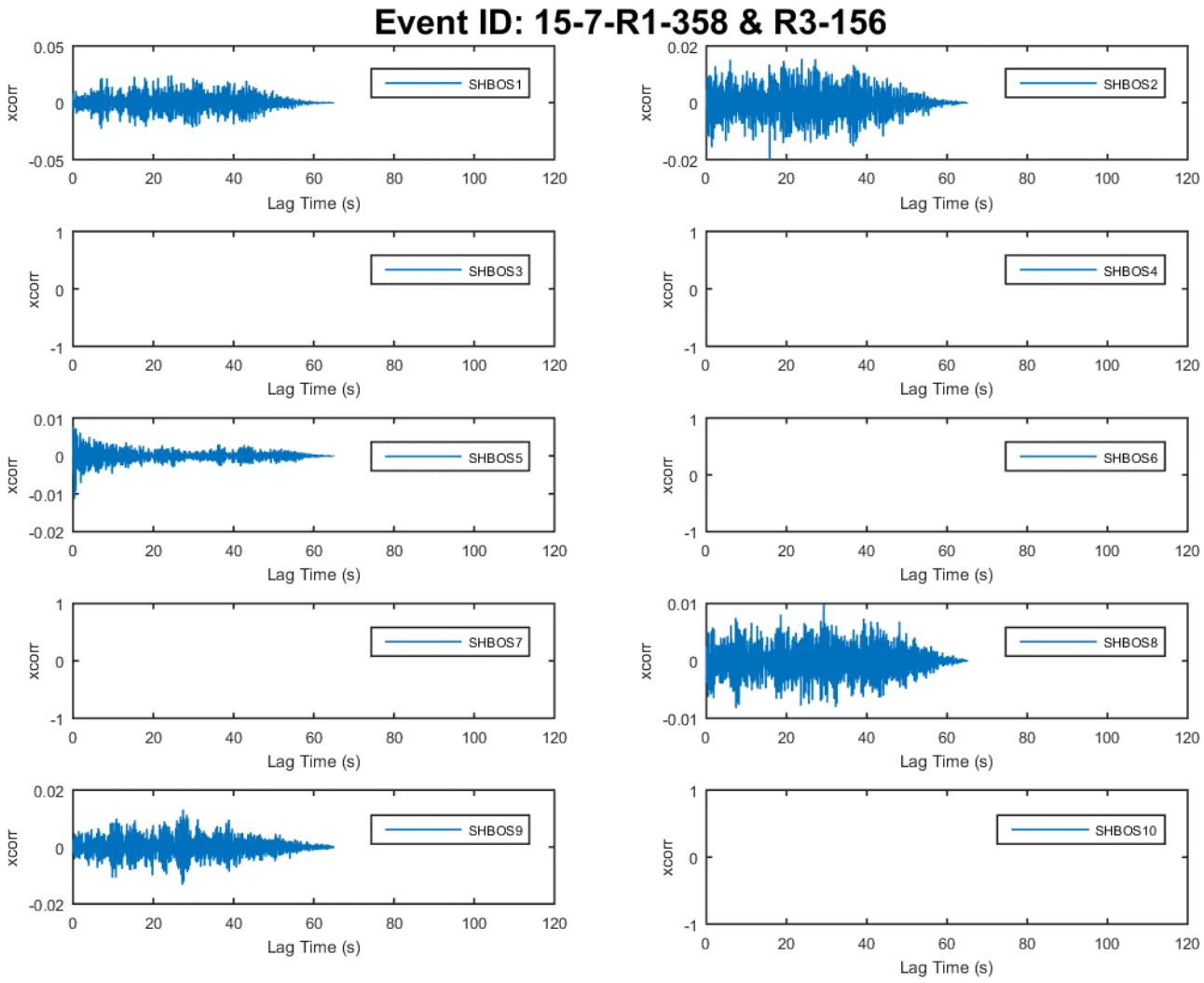


FIGURE 3.786: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-358 & R3-156

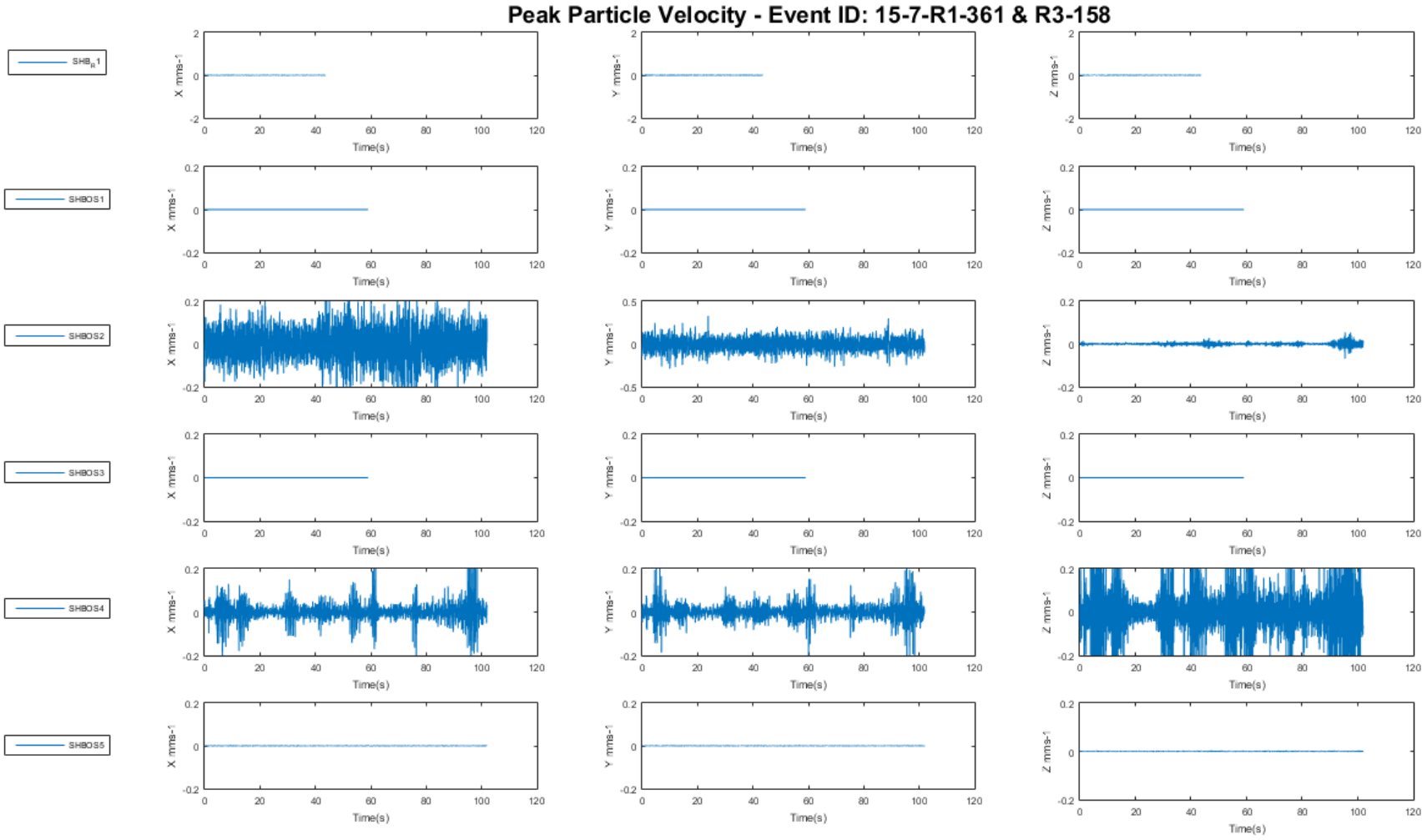


FIGURE 3.787: SHB_OS 1 - 5 15-7-R1-361 & R3-158

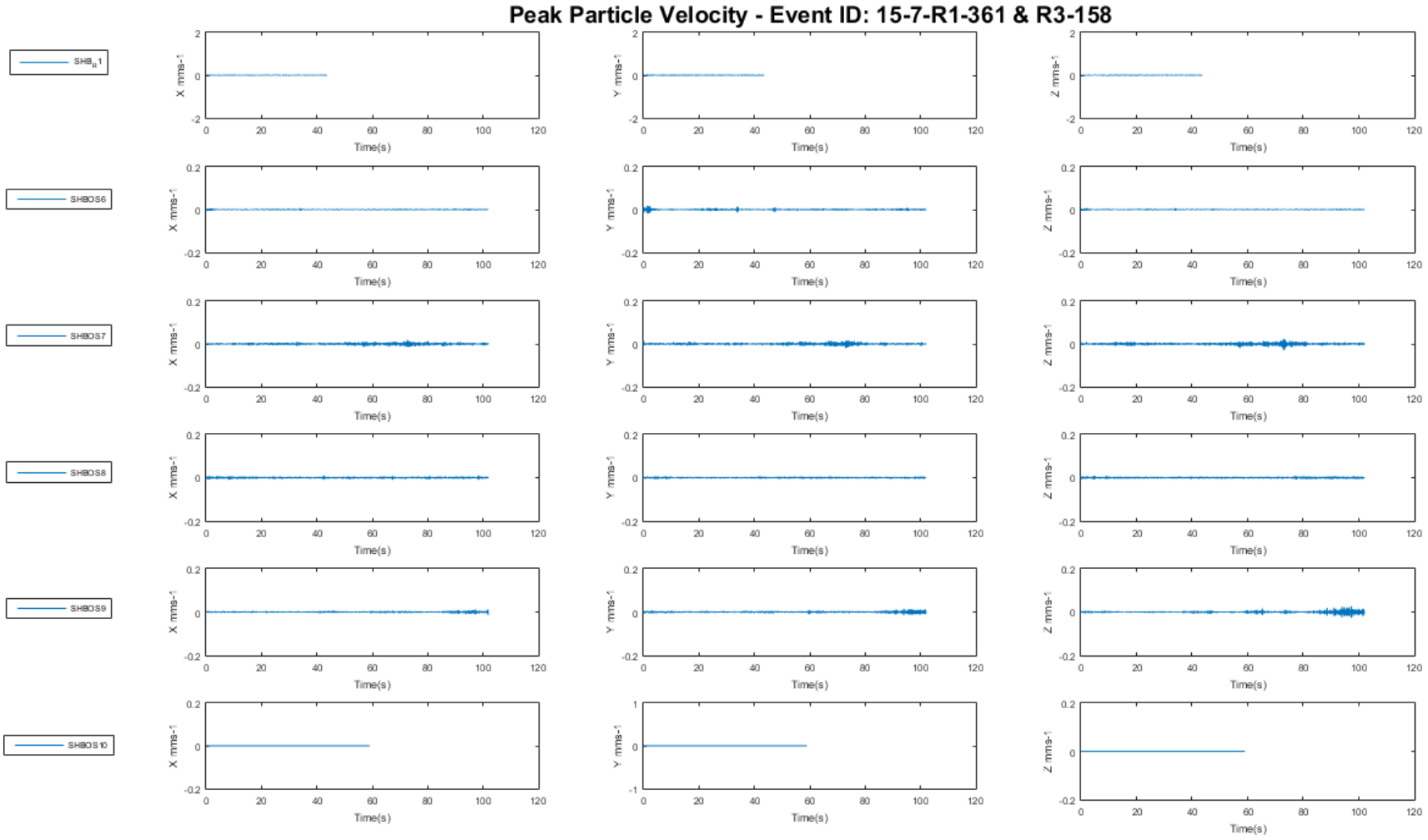


FIGURE 3.788: SHB_OS 6 - 10 15-7-R1-361 & R3-158

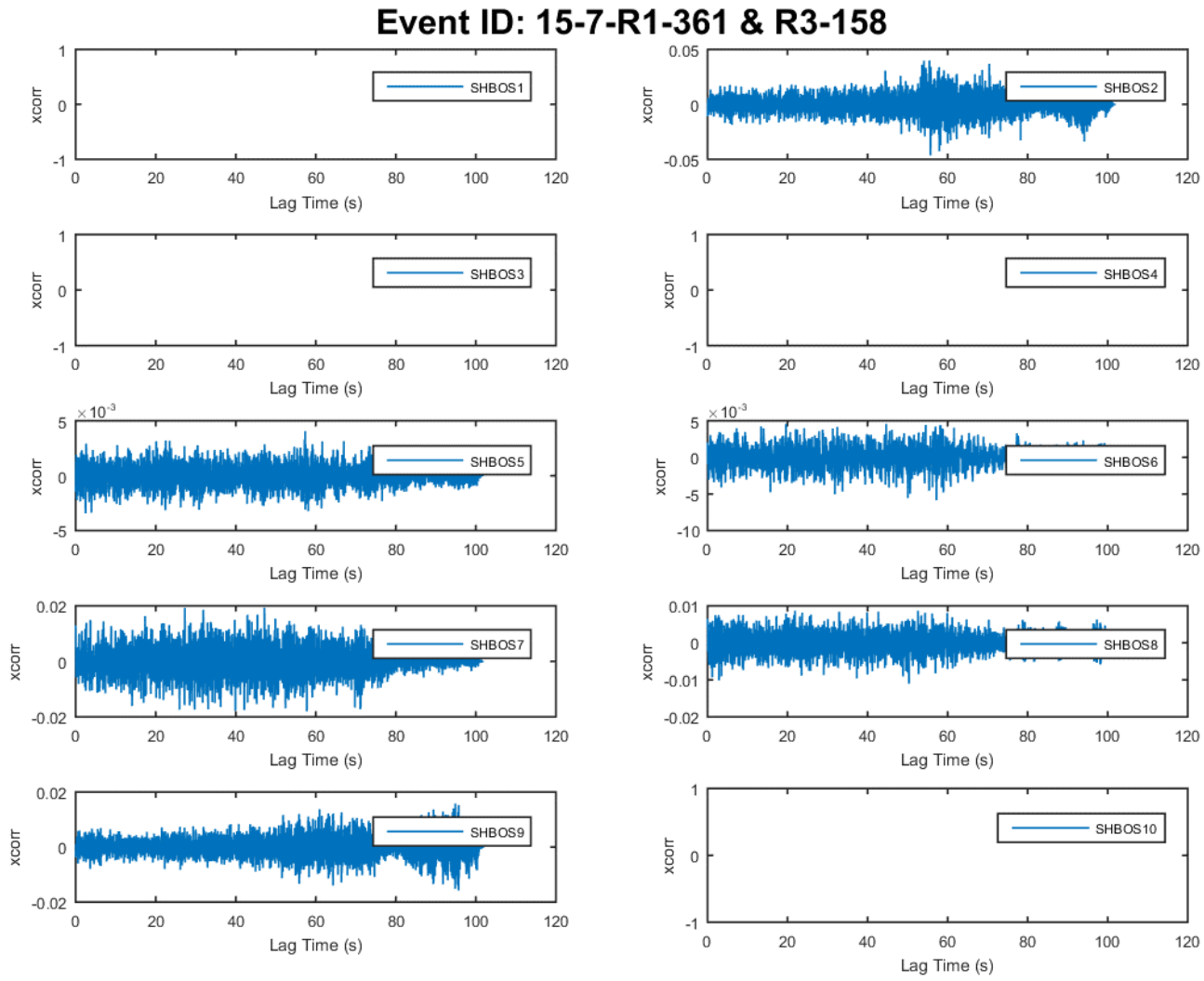


FIGURE 3.789: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-361 & R3-158

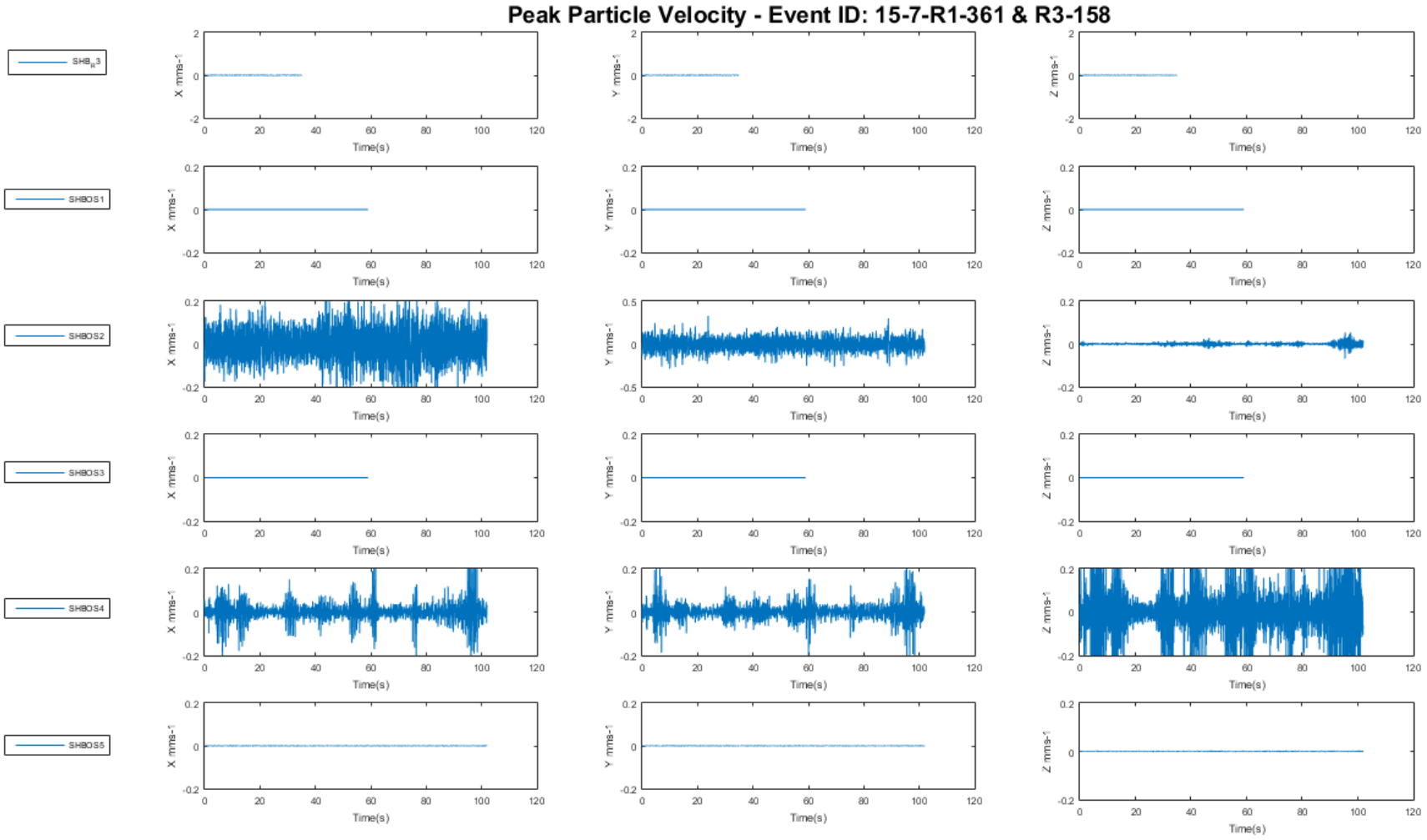


FIGURE 3.790: SHB_OS 1 - 5 15-7-R1-361 & R3-158

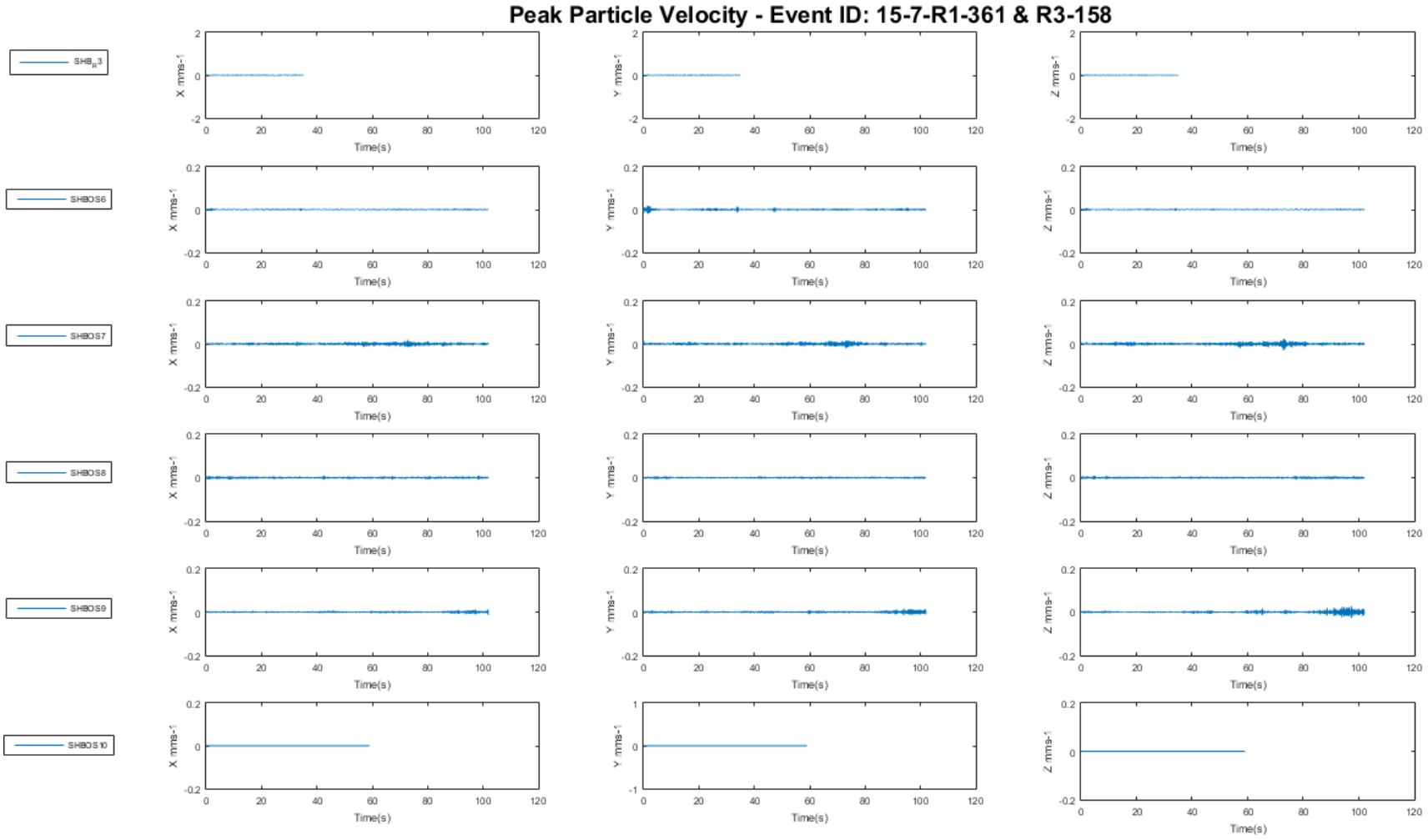


FIGURE 3.791: SHB_OS 6 - 10 15-7-R1-361 & R3-158

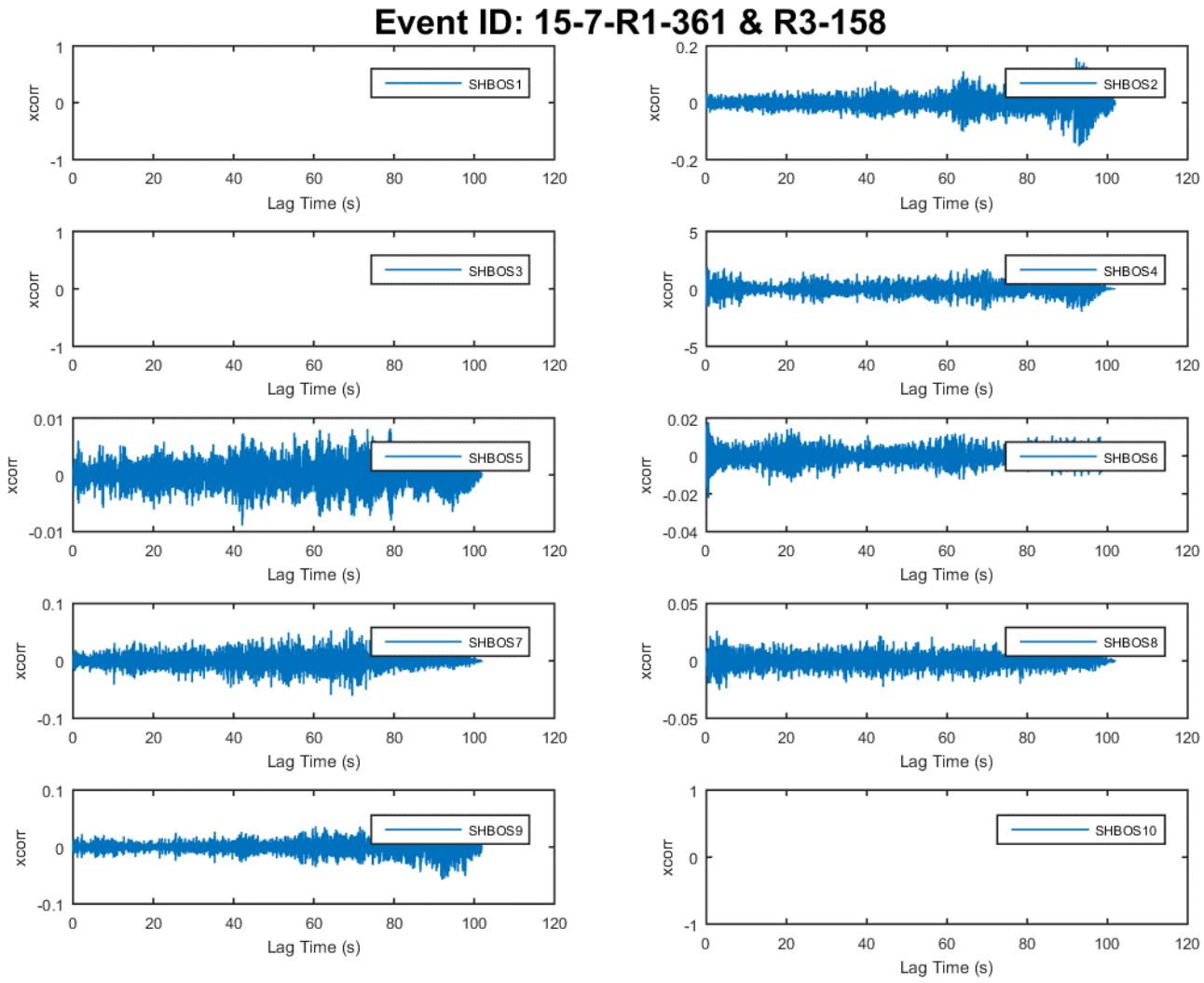


FIGURE 3.792: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-361 & R3-158

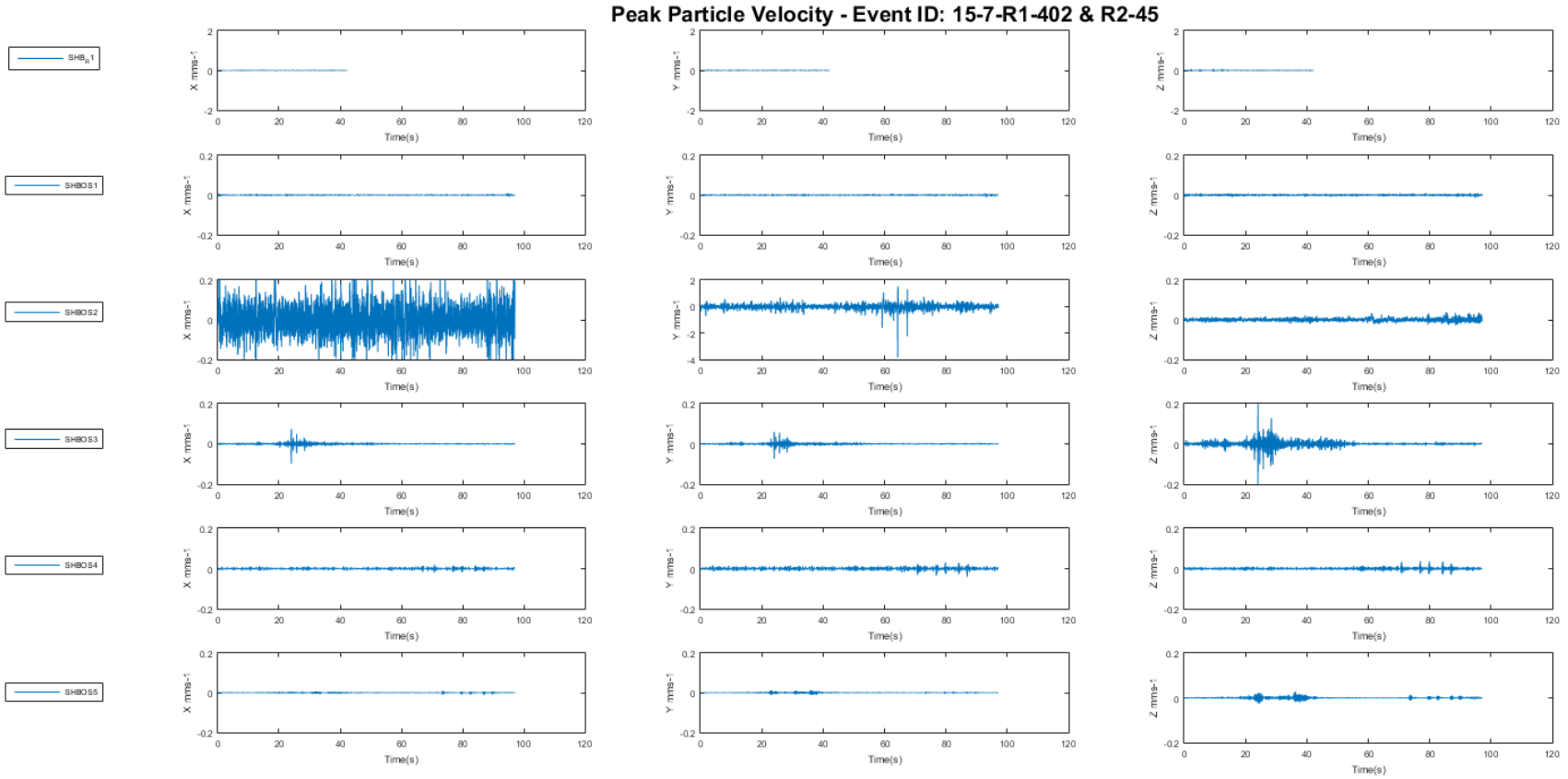
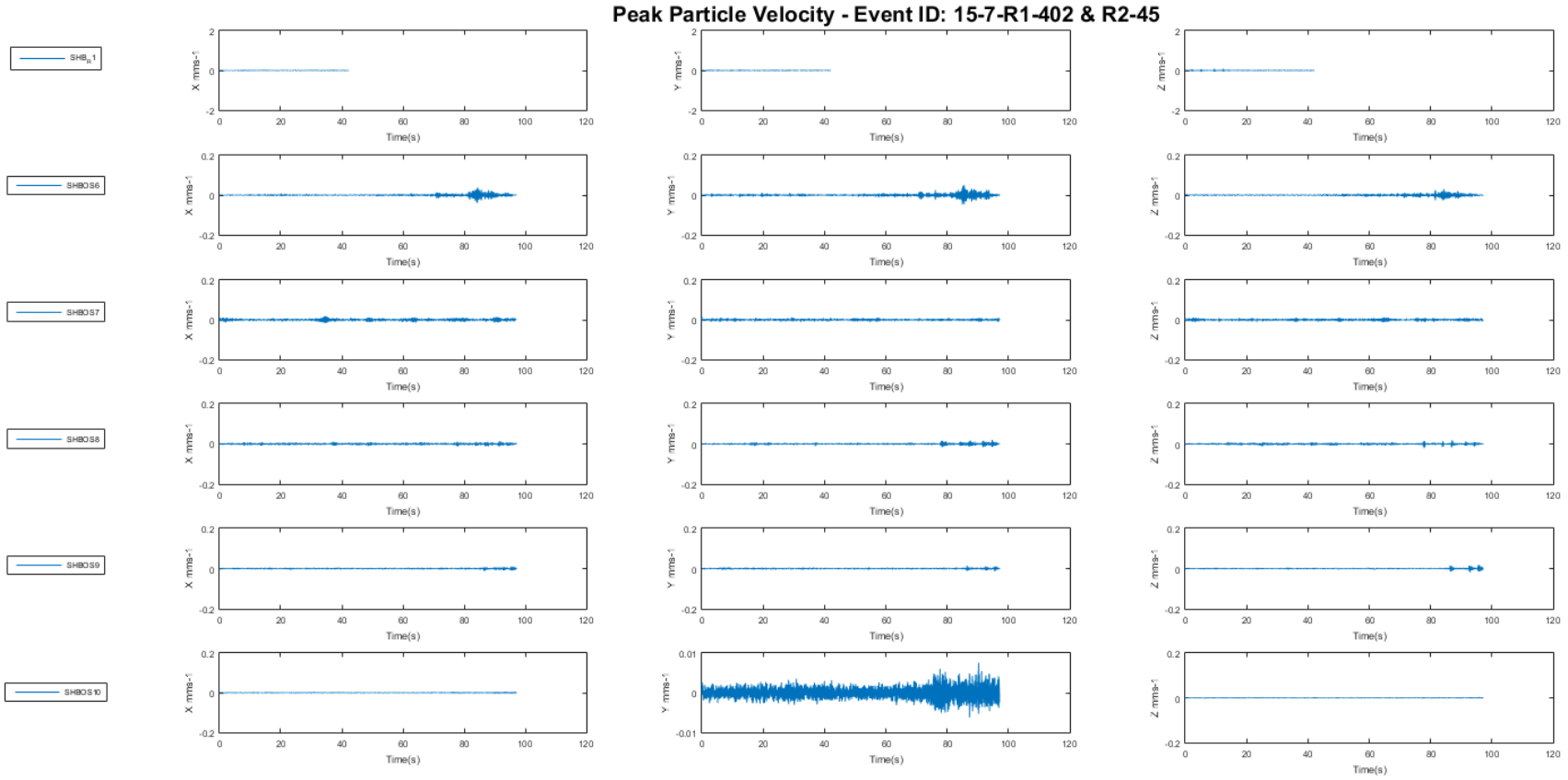


FIGURE 3.793: SHB_OS 1 - 5 15-7-R1-402 & R2-45

FIGURE 3.794: SHB_OS 6 - 10 15-7-R1-402 & R2-45



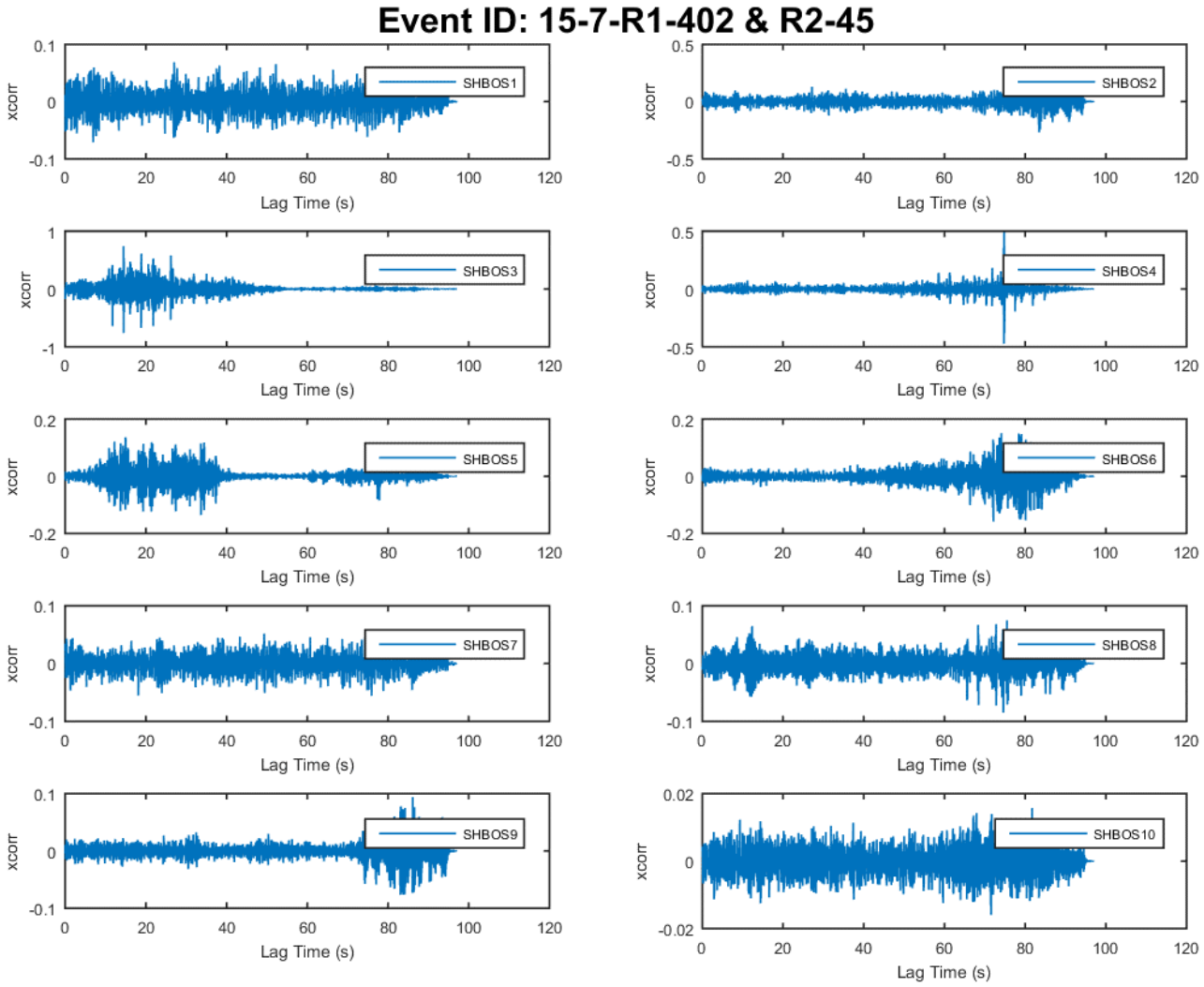


FIGURE 3.795: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-402 & R2-45

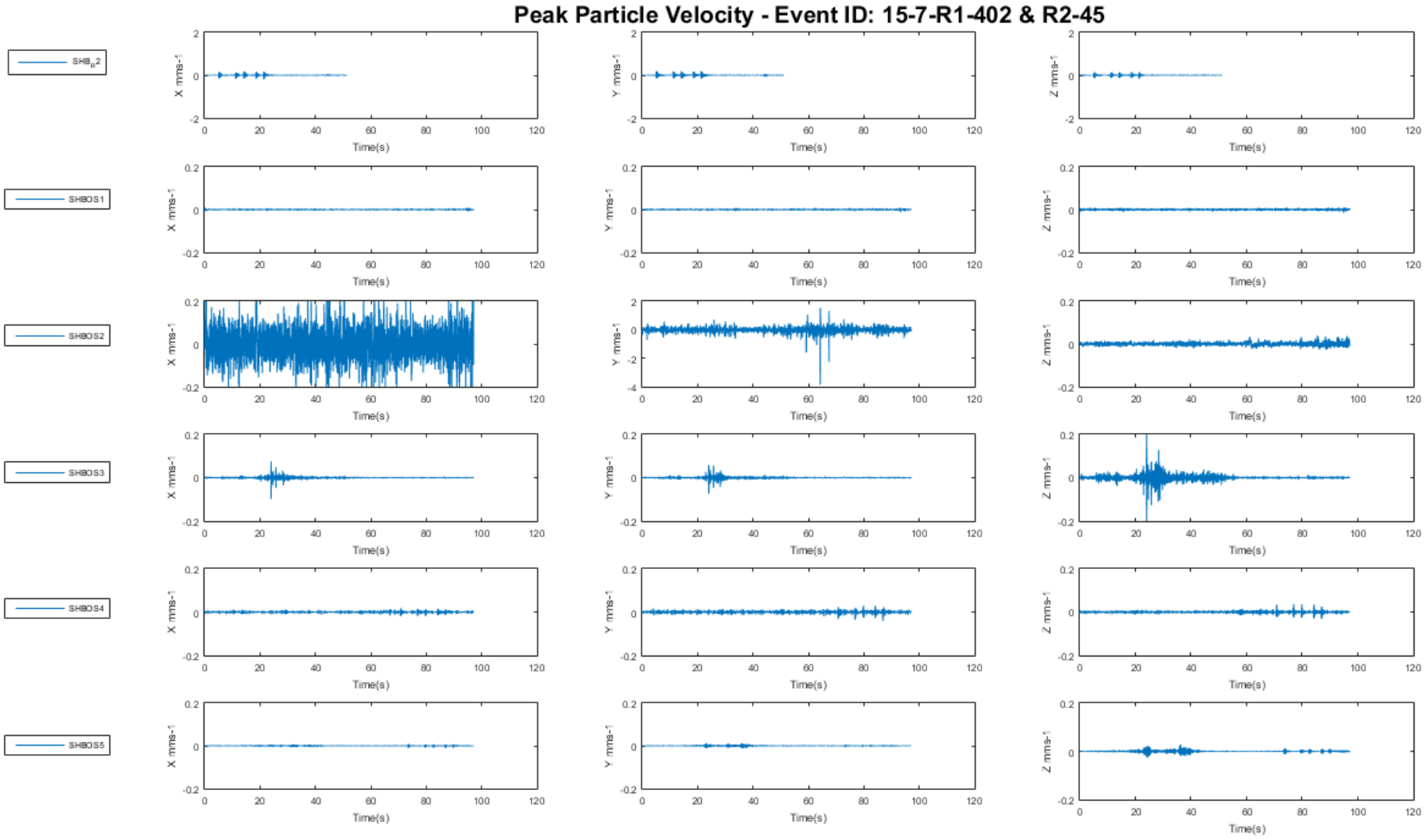


FIGURE 3.796: SHB_OS 1 - 5 15-7-R1-402 & R2-45

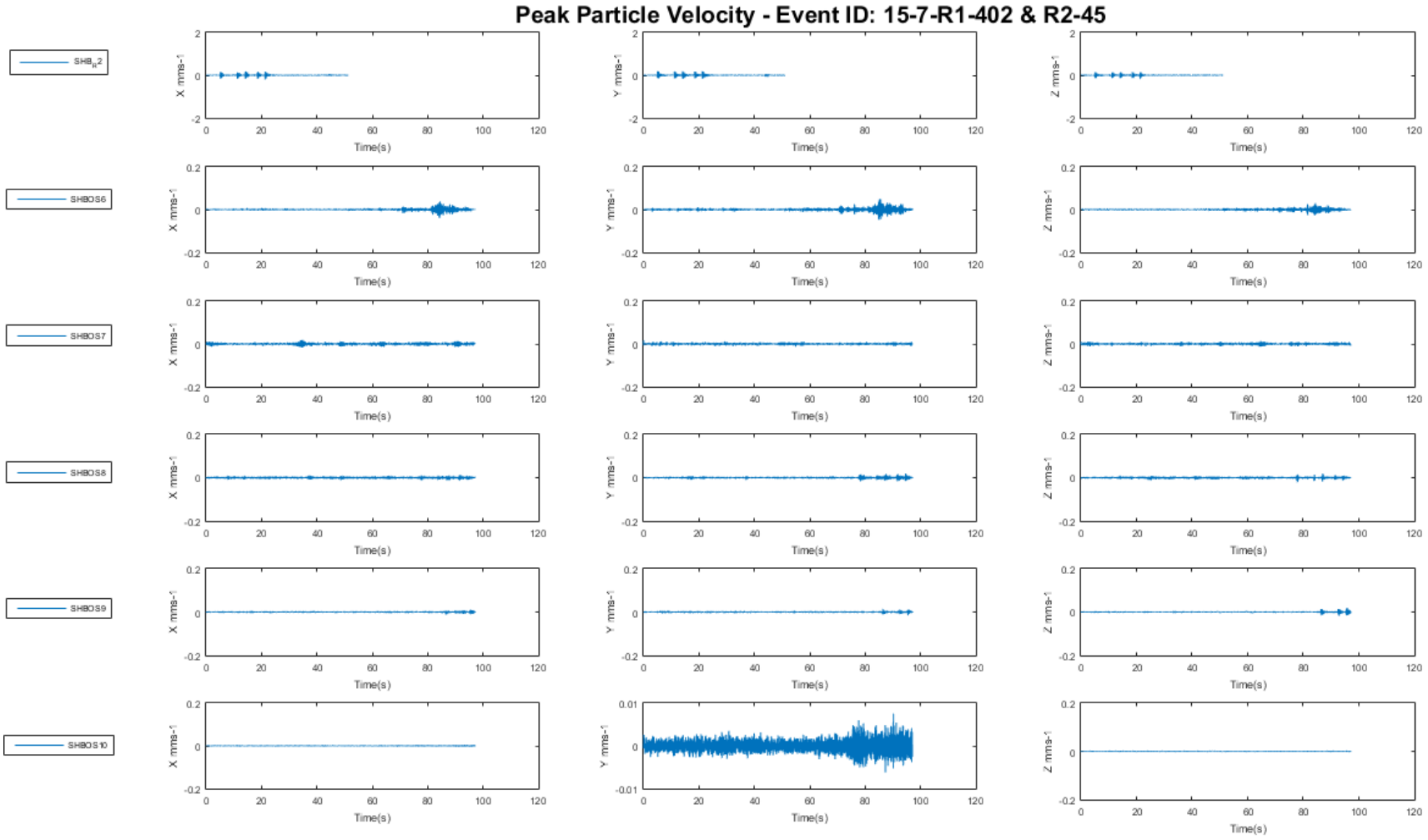


FIGURE 3.797: SHB_OS 6 - 10 15-7-R1-402 & R2-45

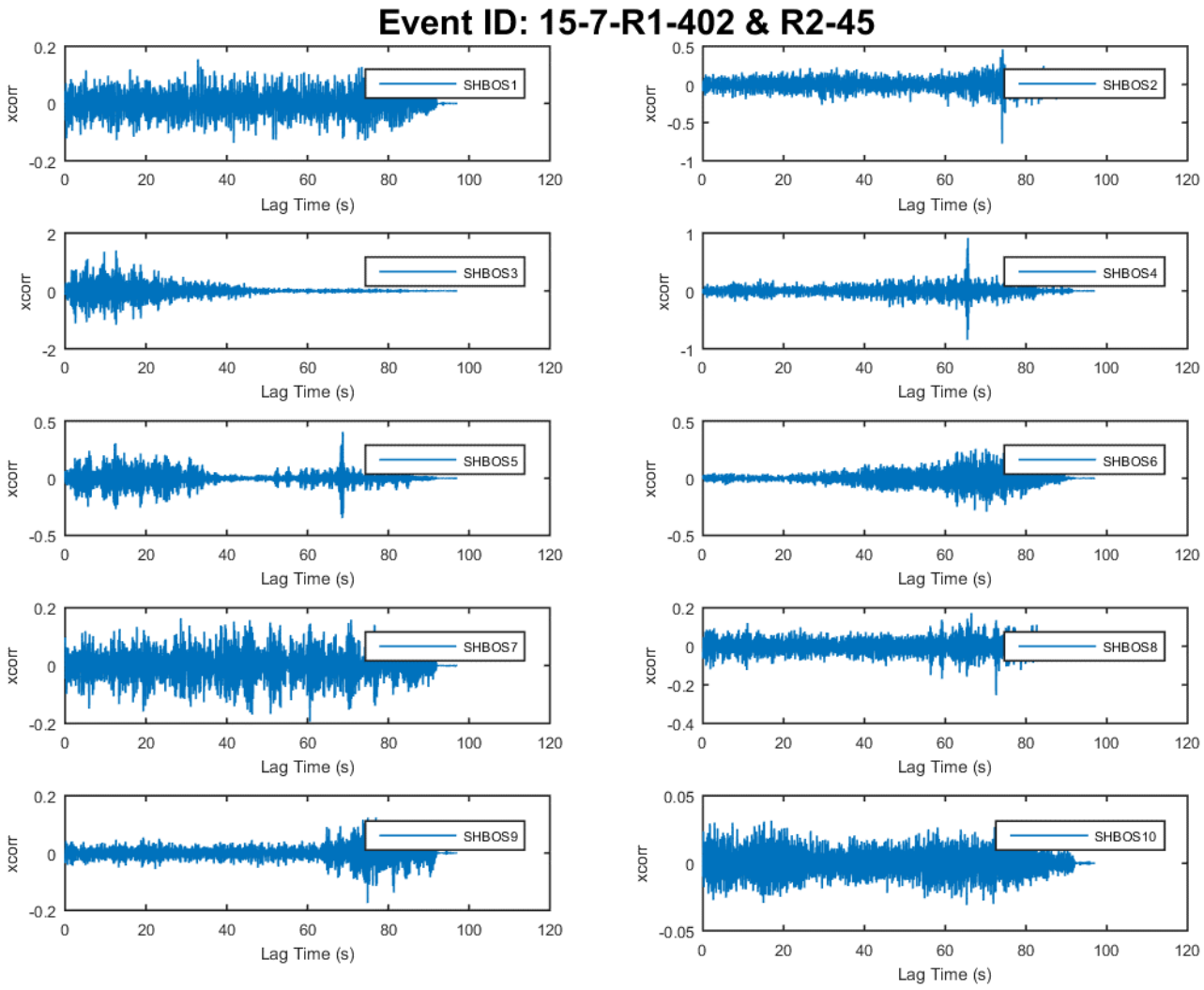


FIGURE 3.798: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-402 & R2-45

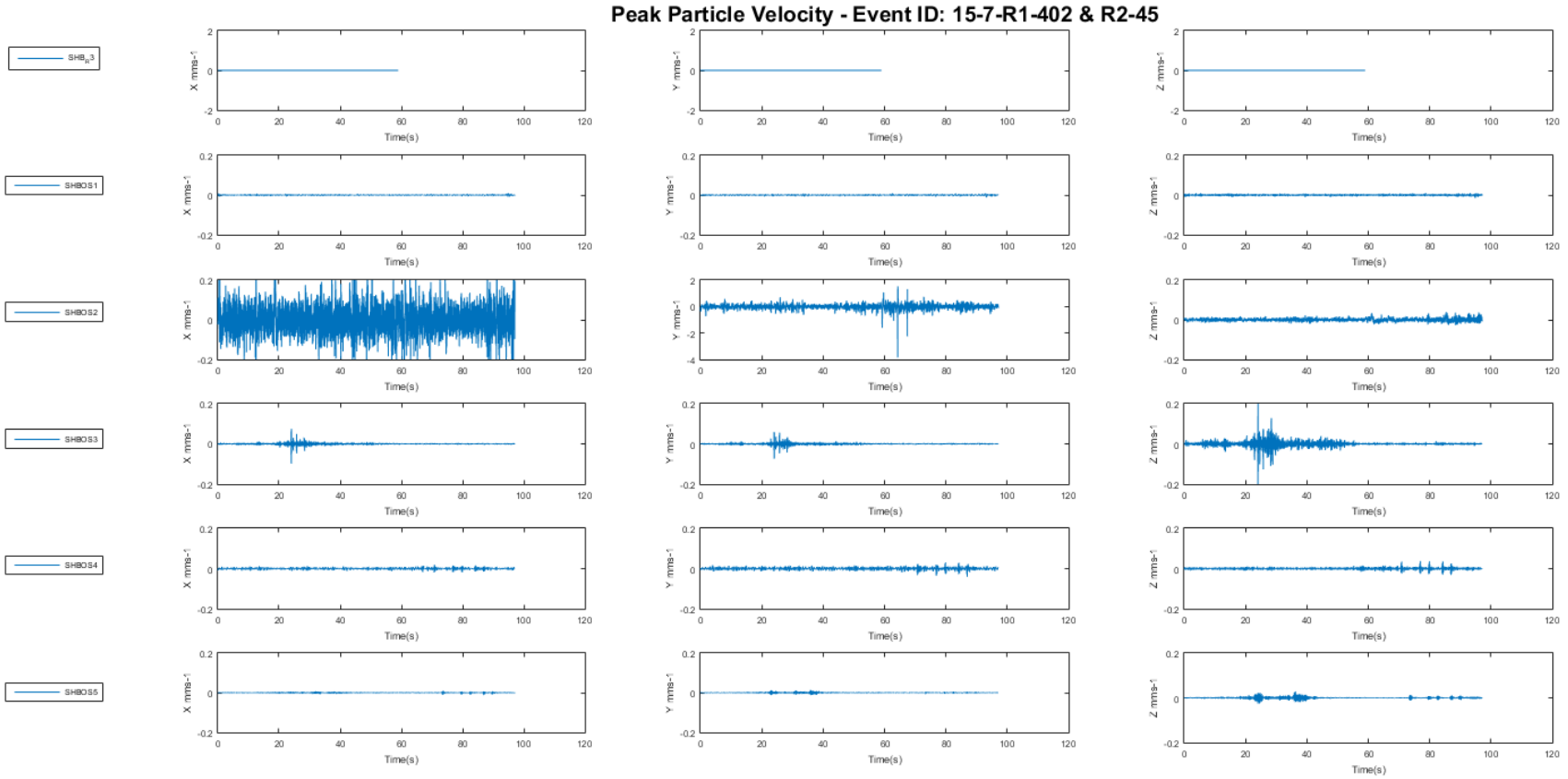
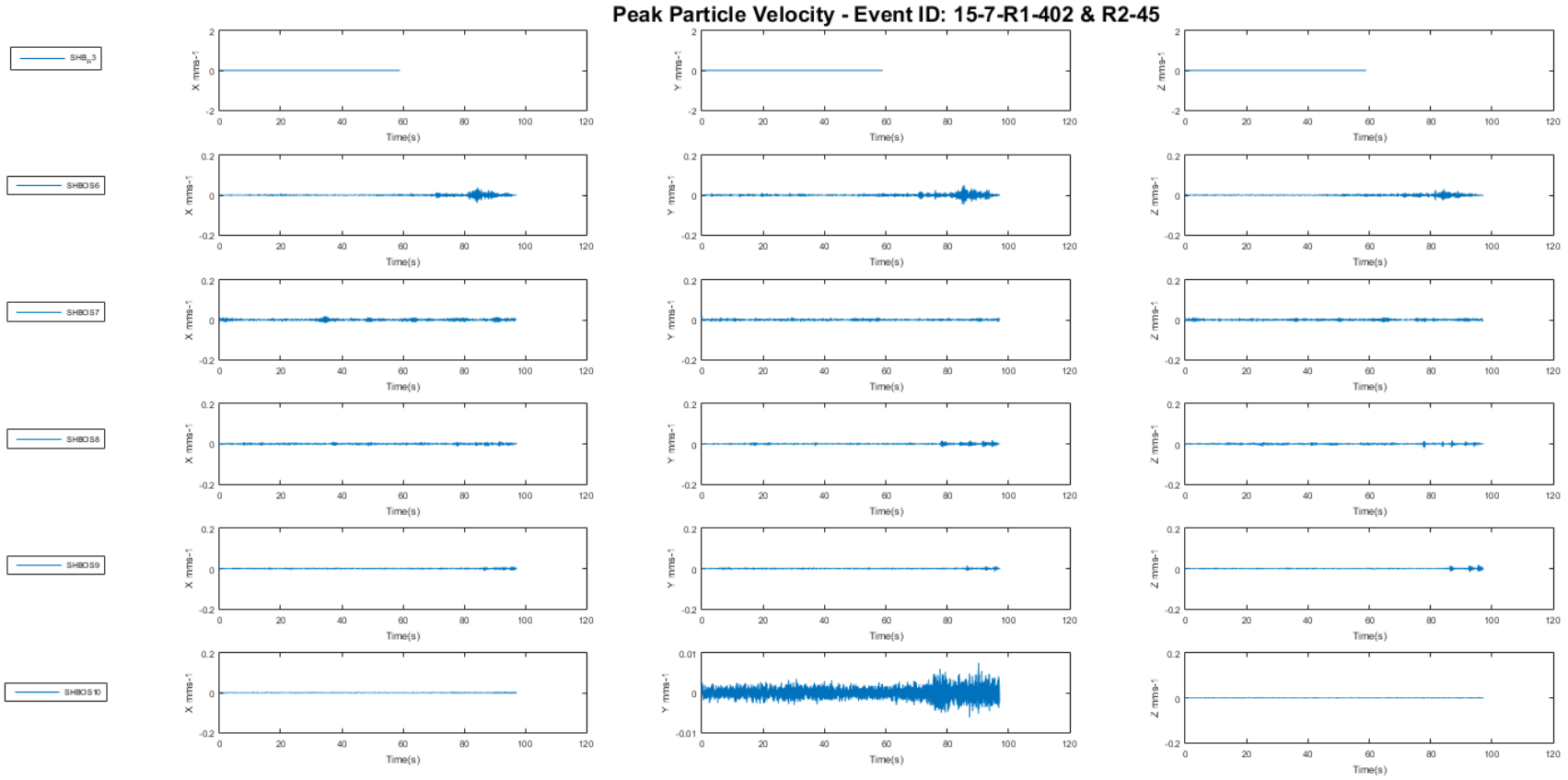


FIGURE 3.799: SHB_OS 1 - 5 15-7-R1-402 & R2-45

FIGURE 3.800: SHB_OS 6 - 10 15-7-R1-402 & R2-45



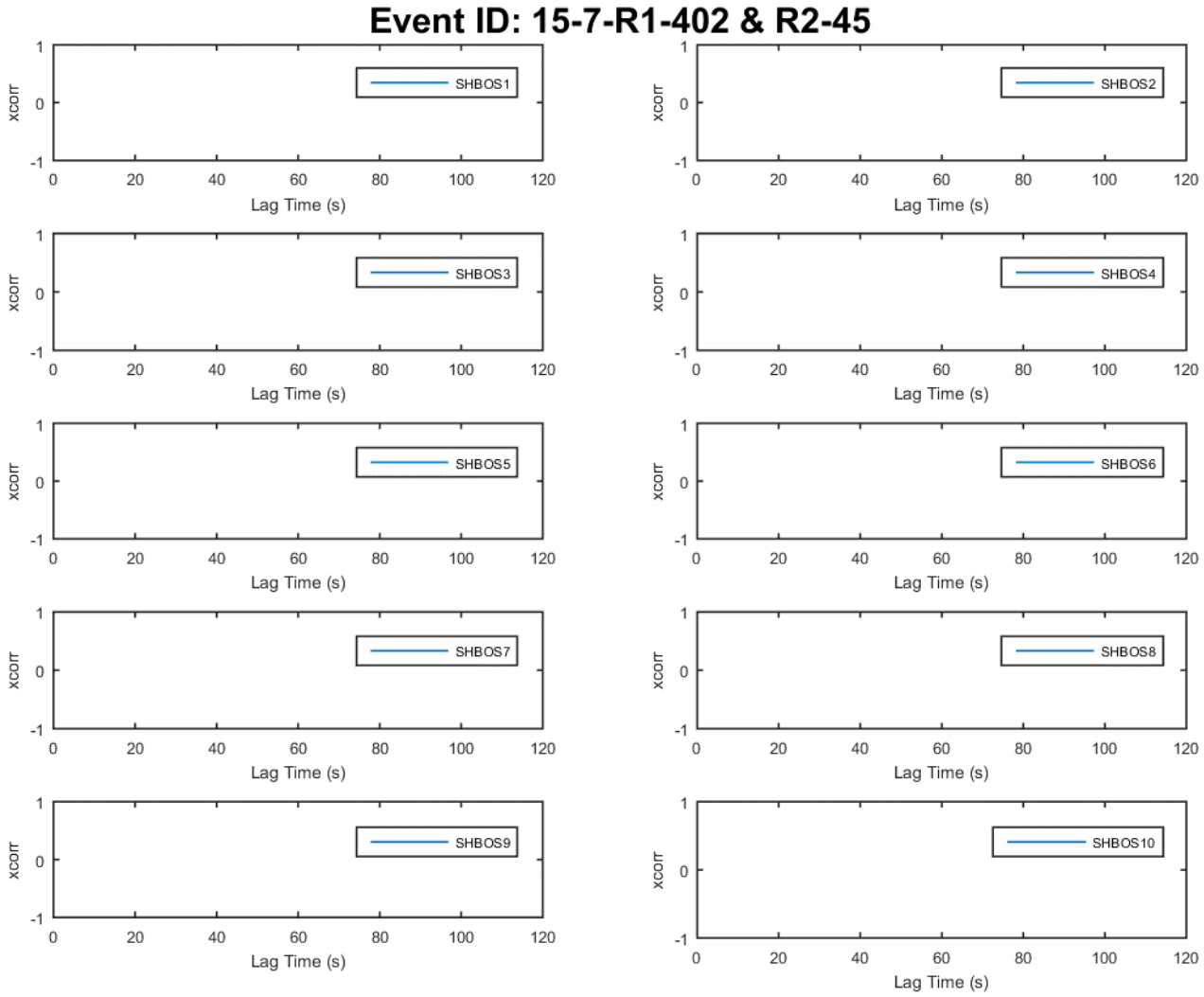


FIGURE 3.801: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-402 & R2-45

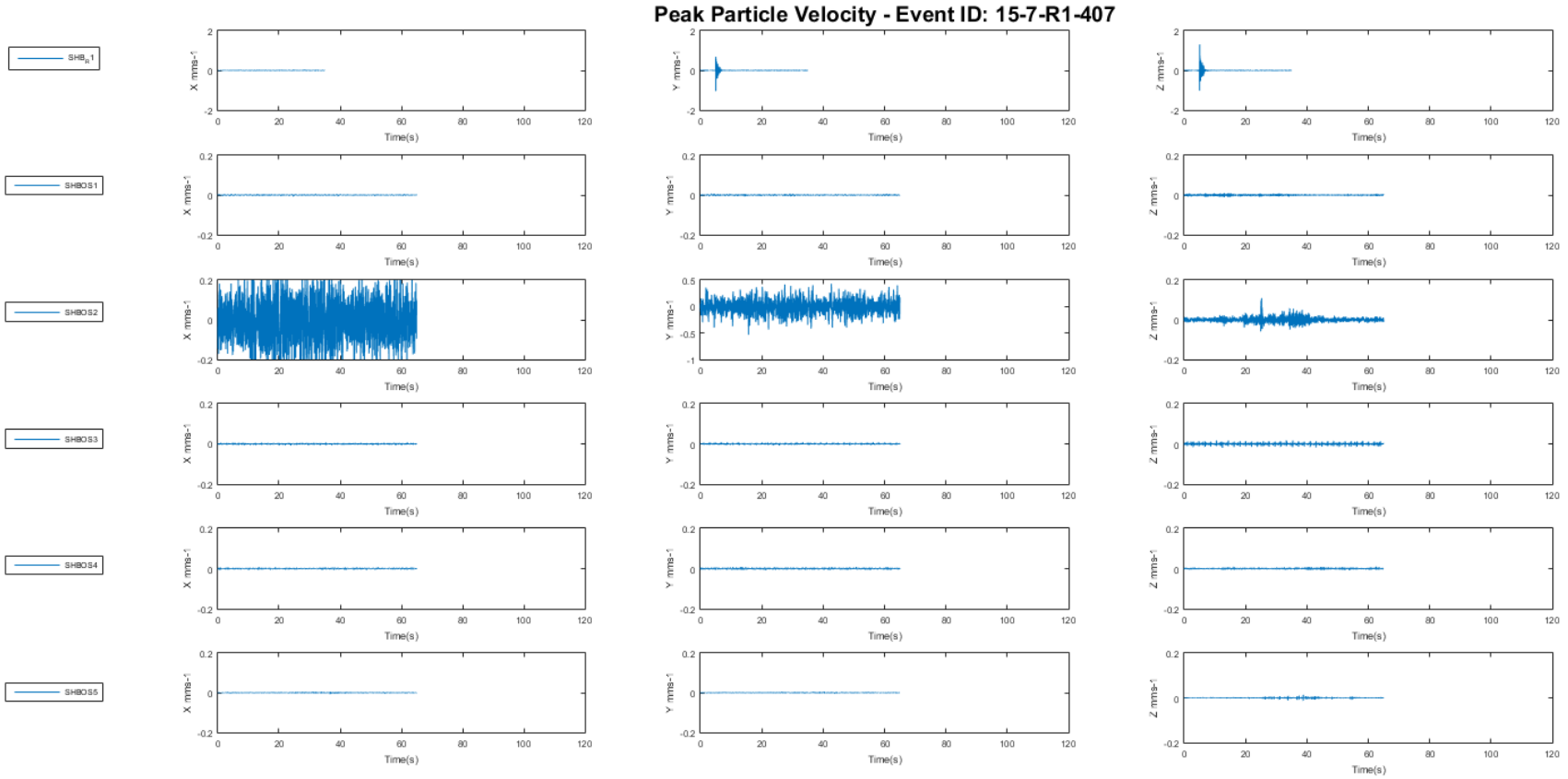
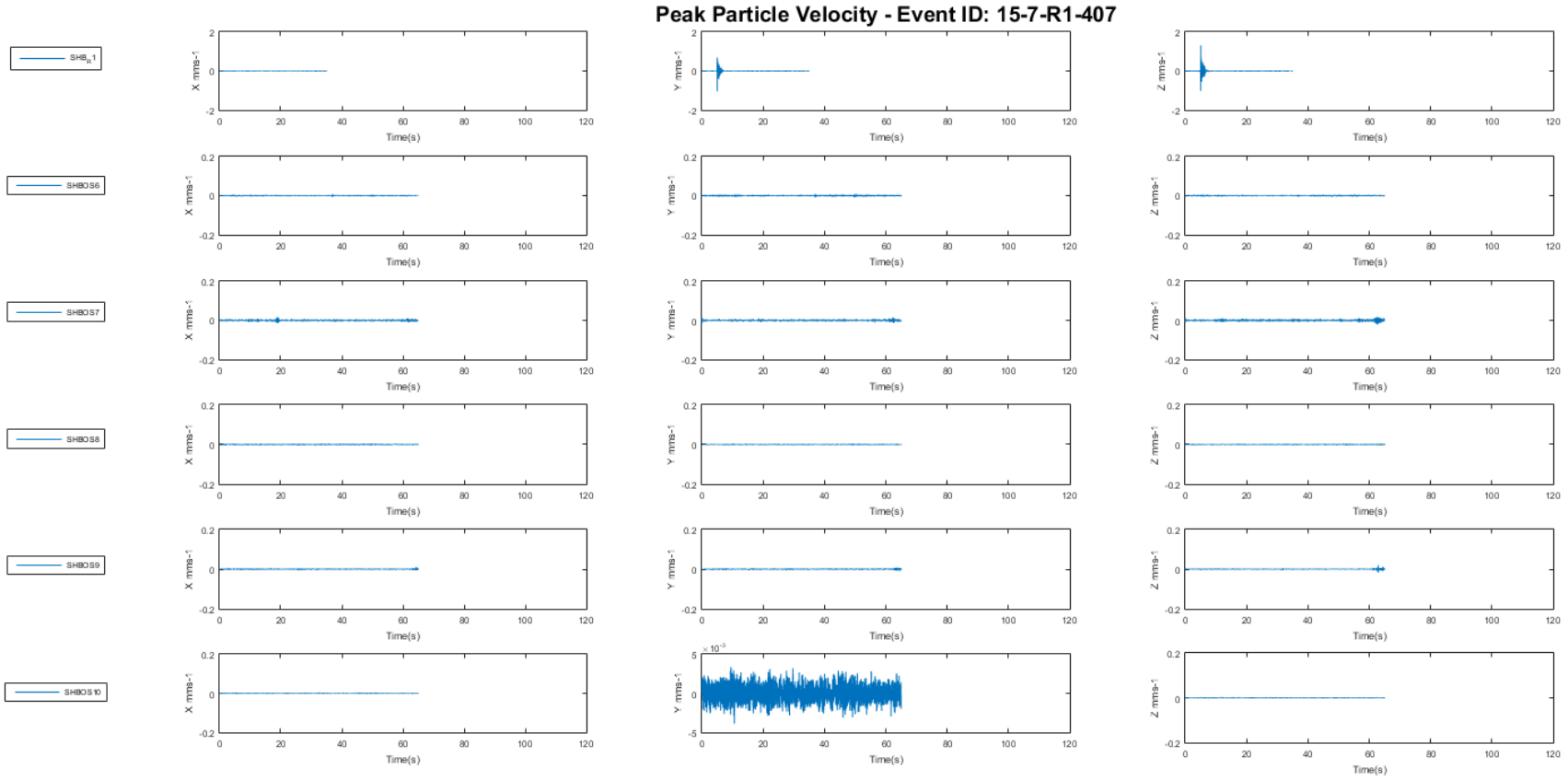


FIGURE 3.802: SHB_OS 1 - 5 15-7-R1-407

FIGURE 3.803: SHB_OS 6 - 10 15-7-R1-407



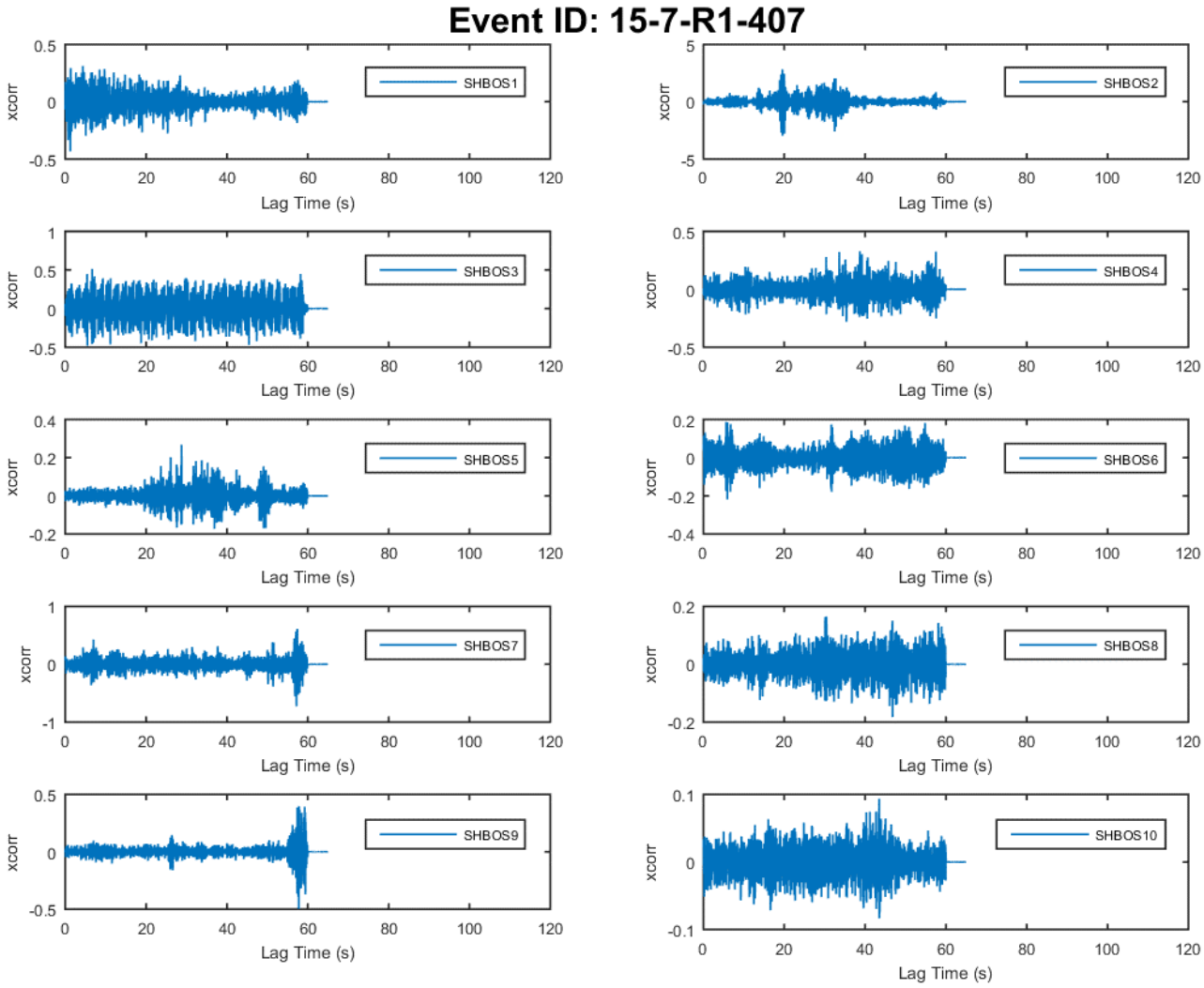


FIGURE 3.804: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-407

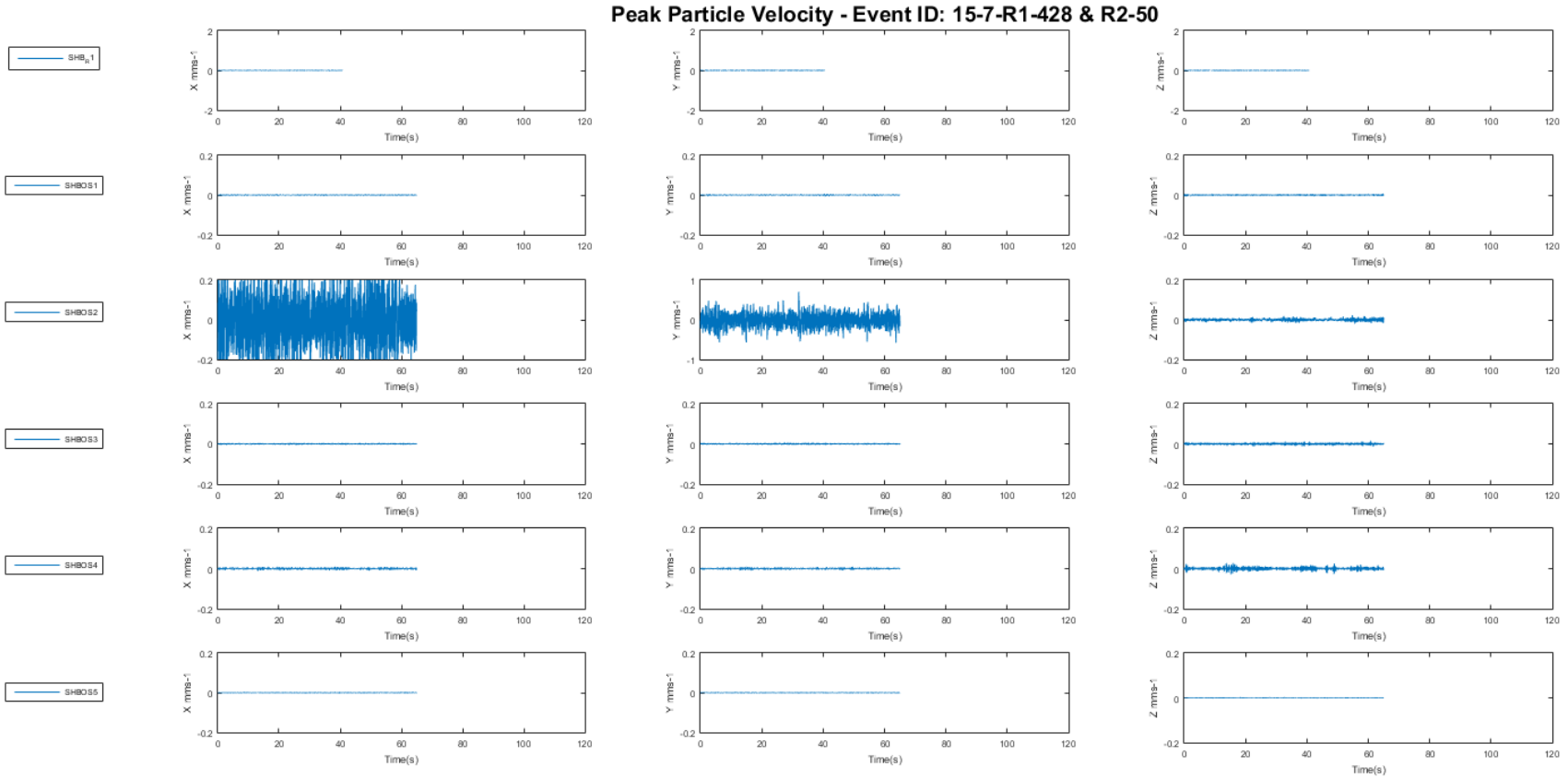
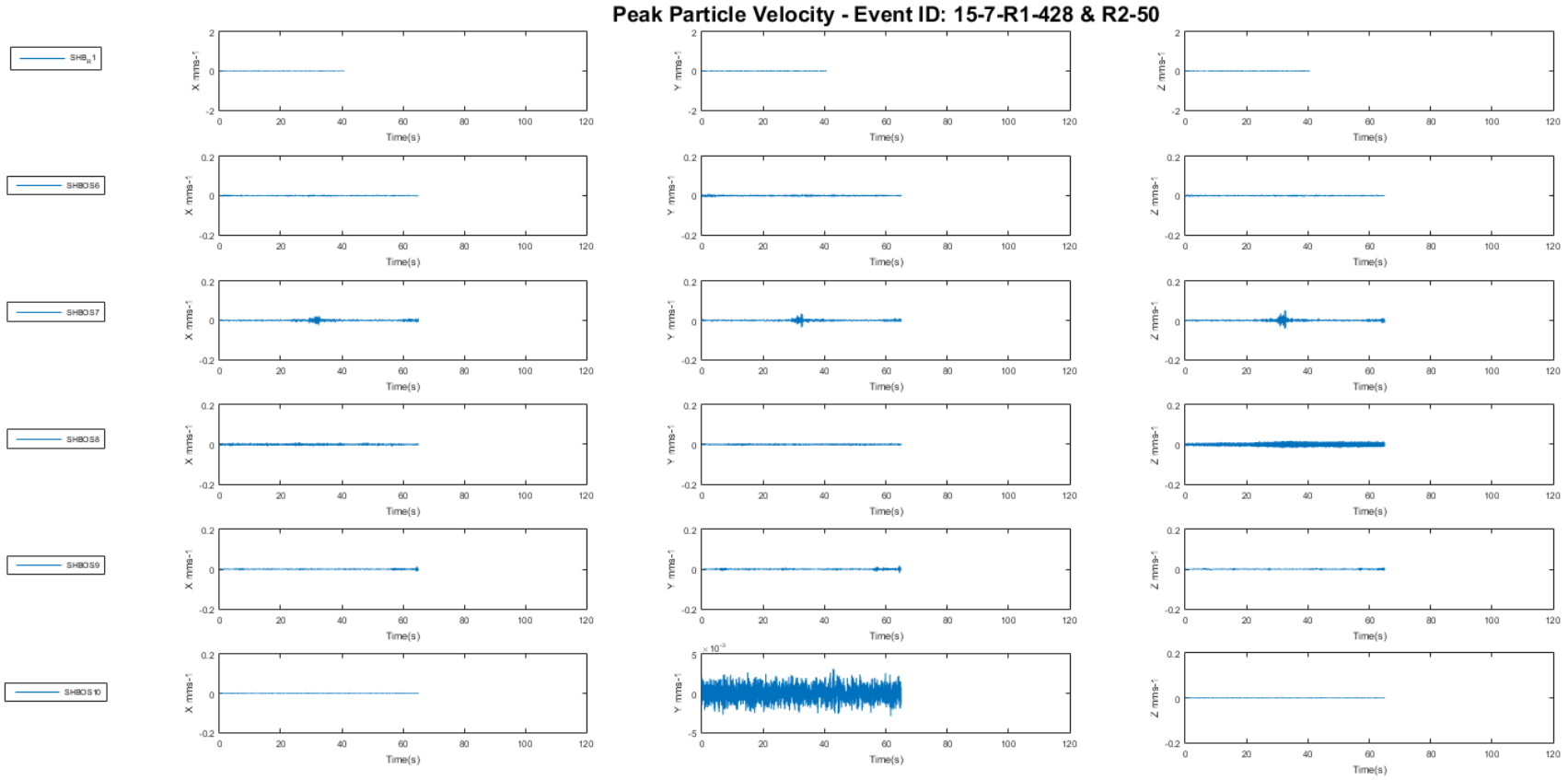


FIGURE 3.805: SHB_OS 1 - 5 15-7-R1-428 & R2-50

FIGURE 3.806: SHB_OS 6 - 10 15-7-R1-428 & R2-50



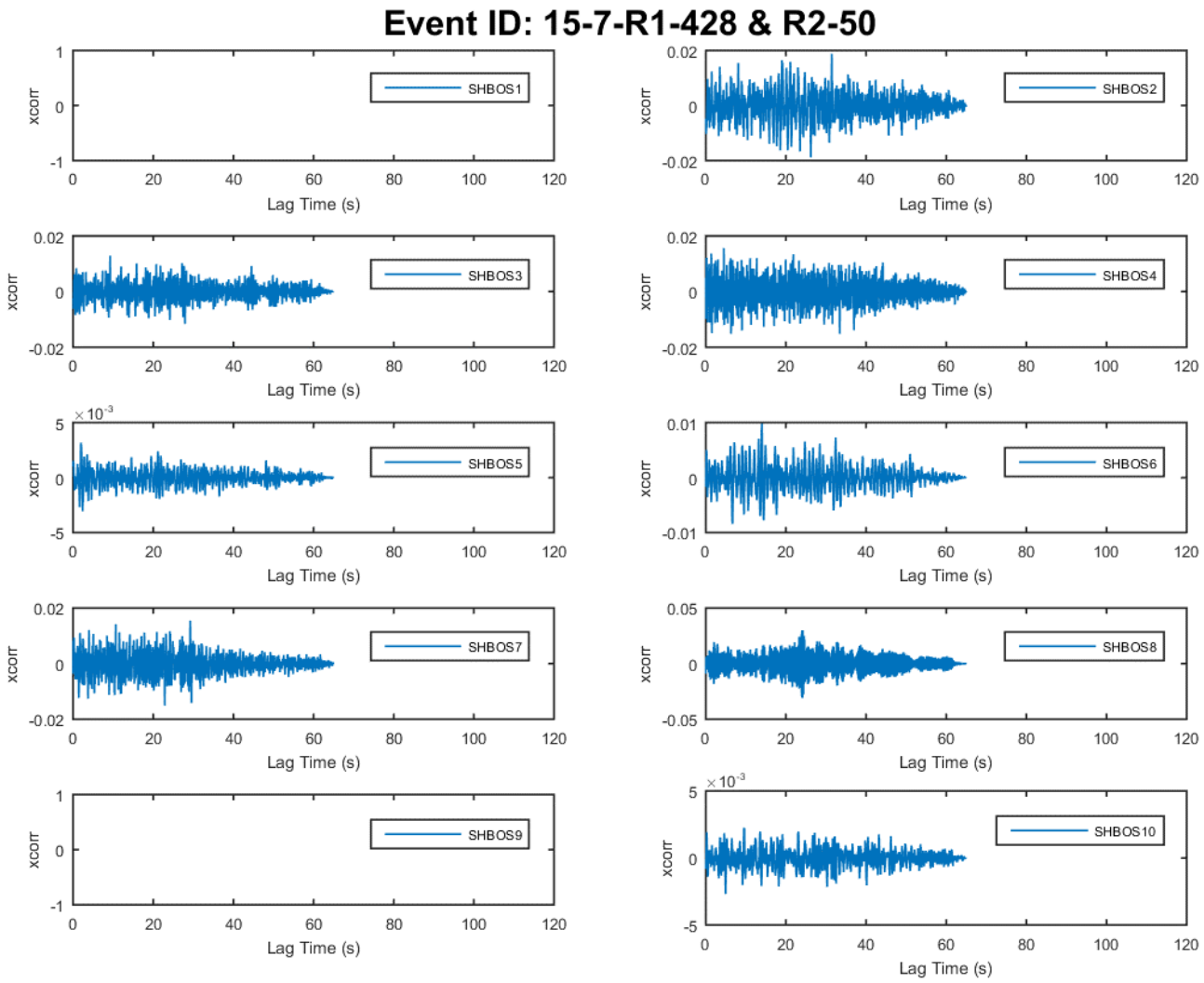


FIGURE 3.807: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-428 & R2-50

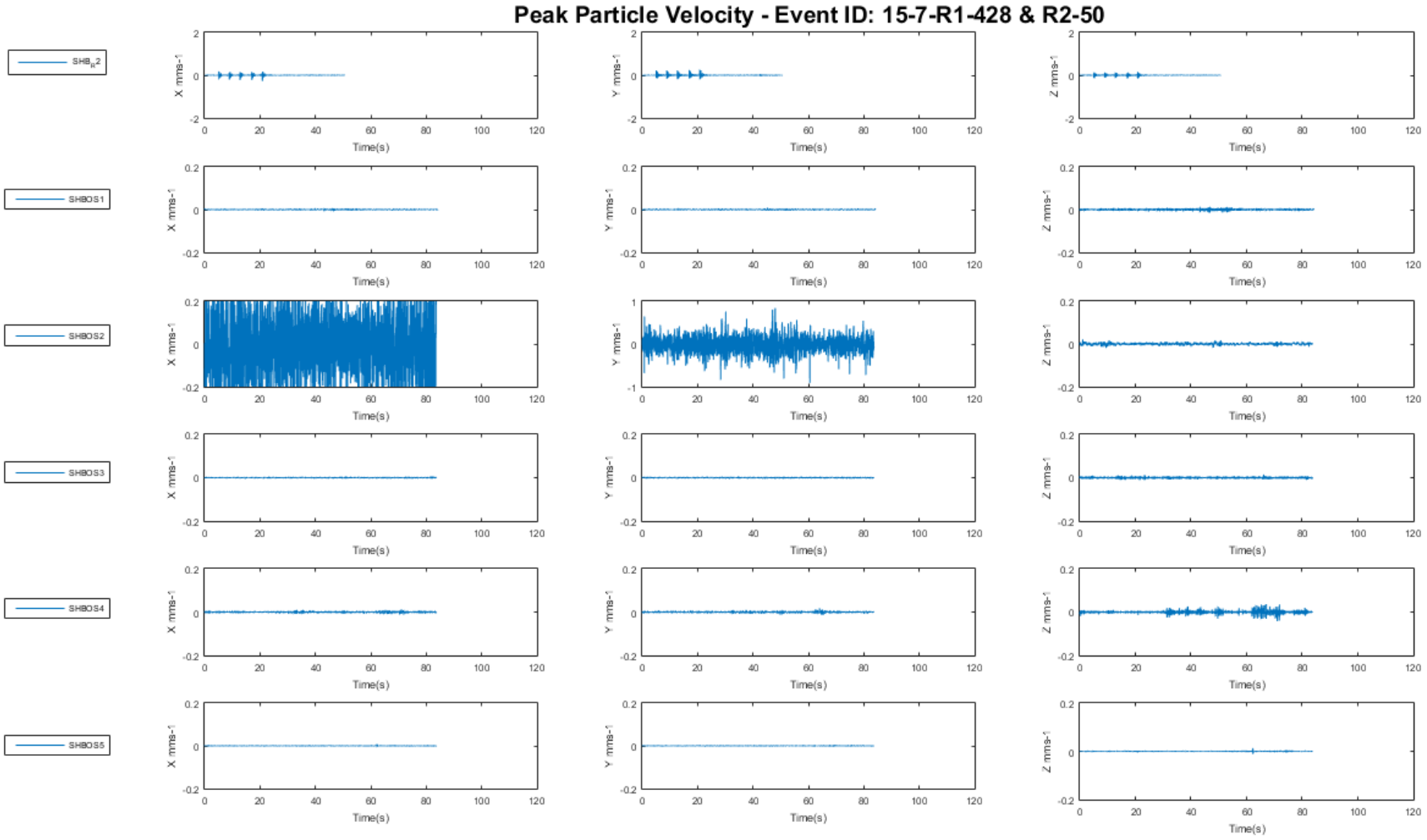


FIGURE 3.808: SHB_OS 1 - 5 15-7-R1-428 & R2-50

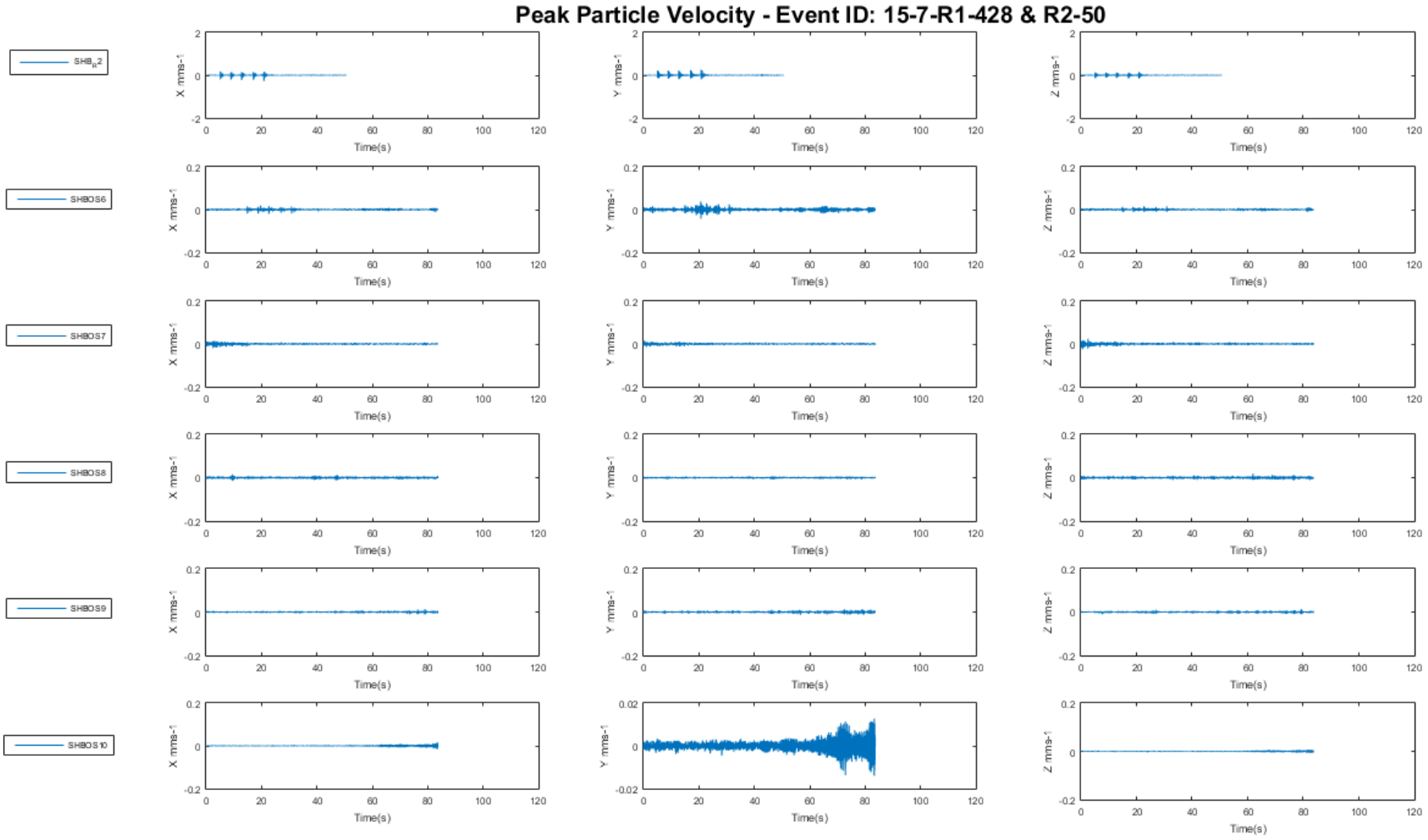


FIGURE 3.809: SHB_OS 6 - 10 15-7-R1-428 & R2-50

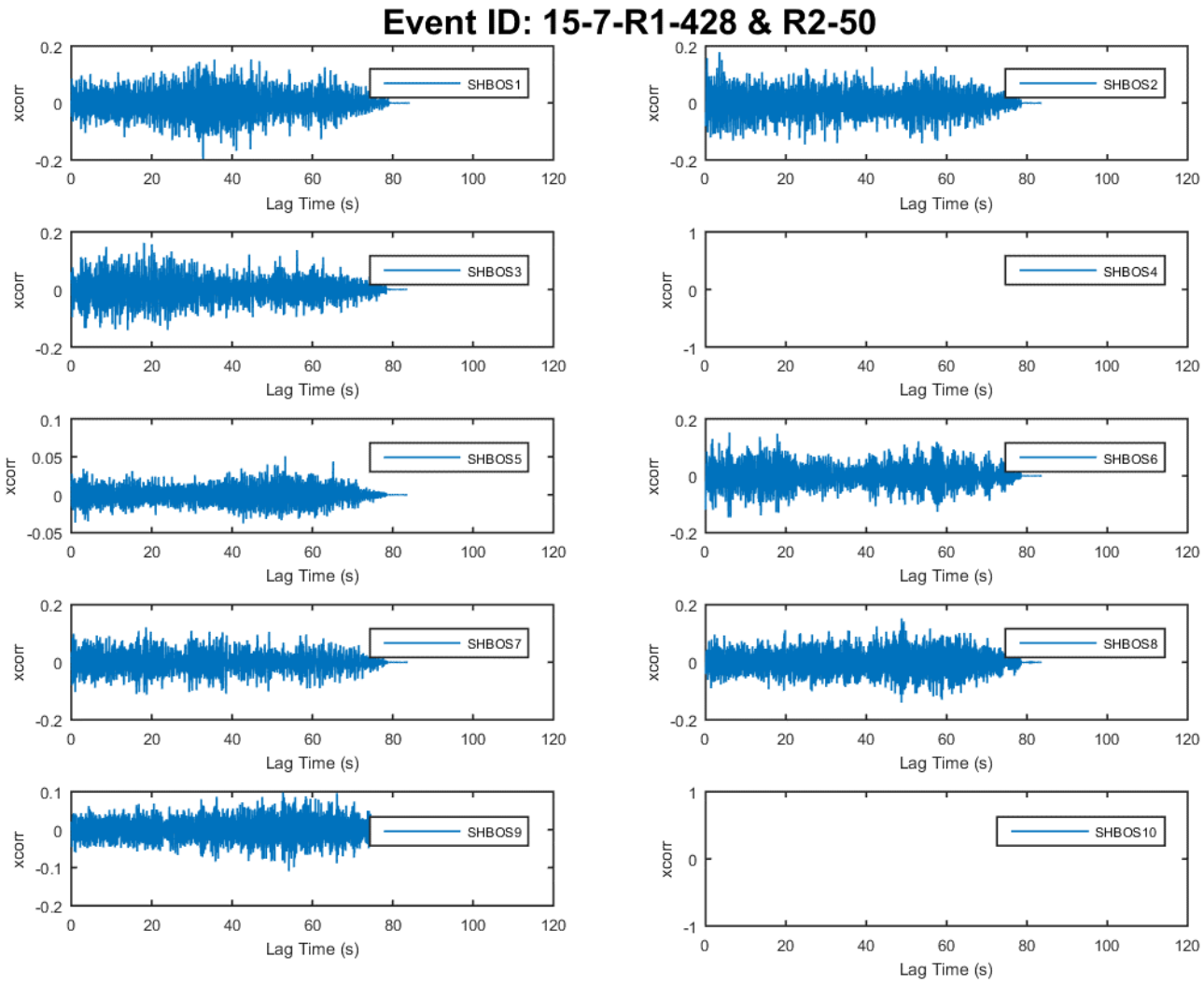


FIGURE 3.810: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-428 & R2-50

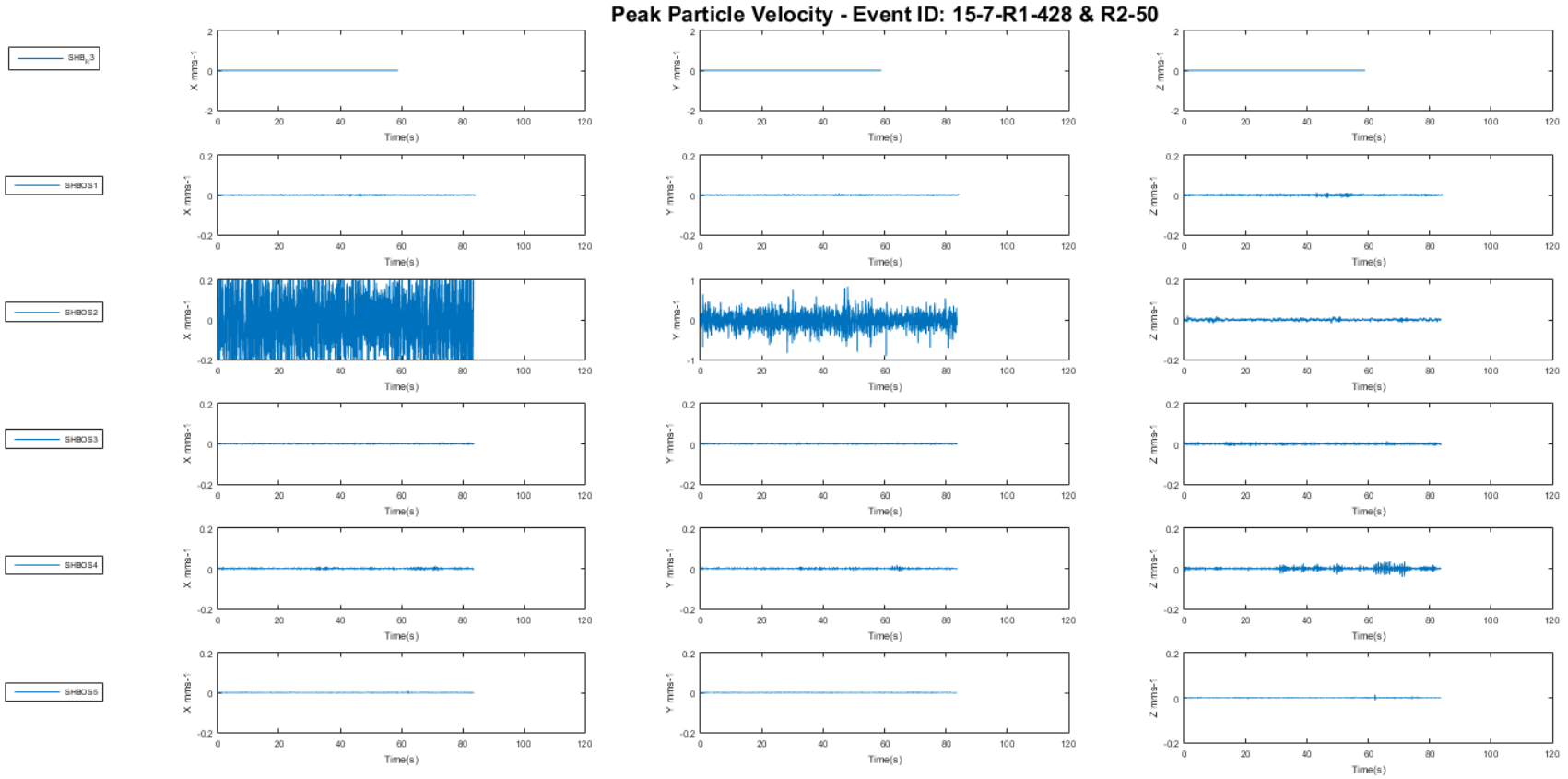
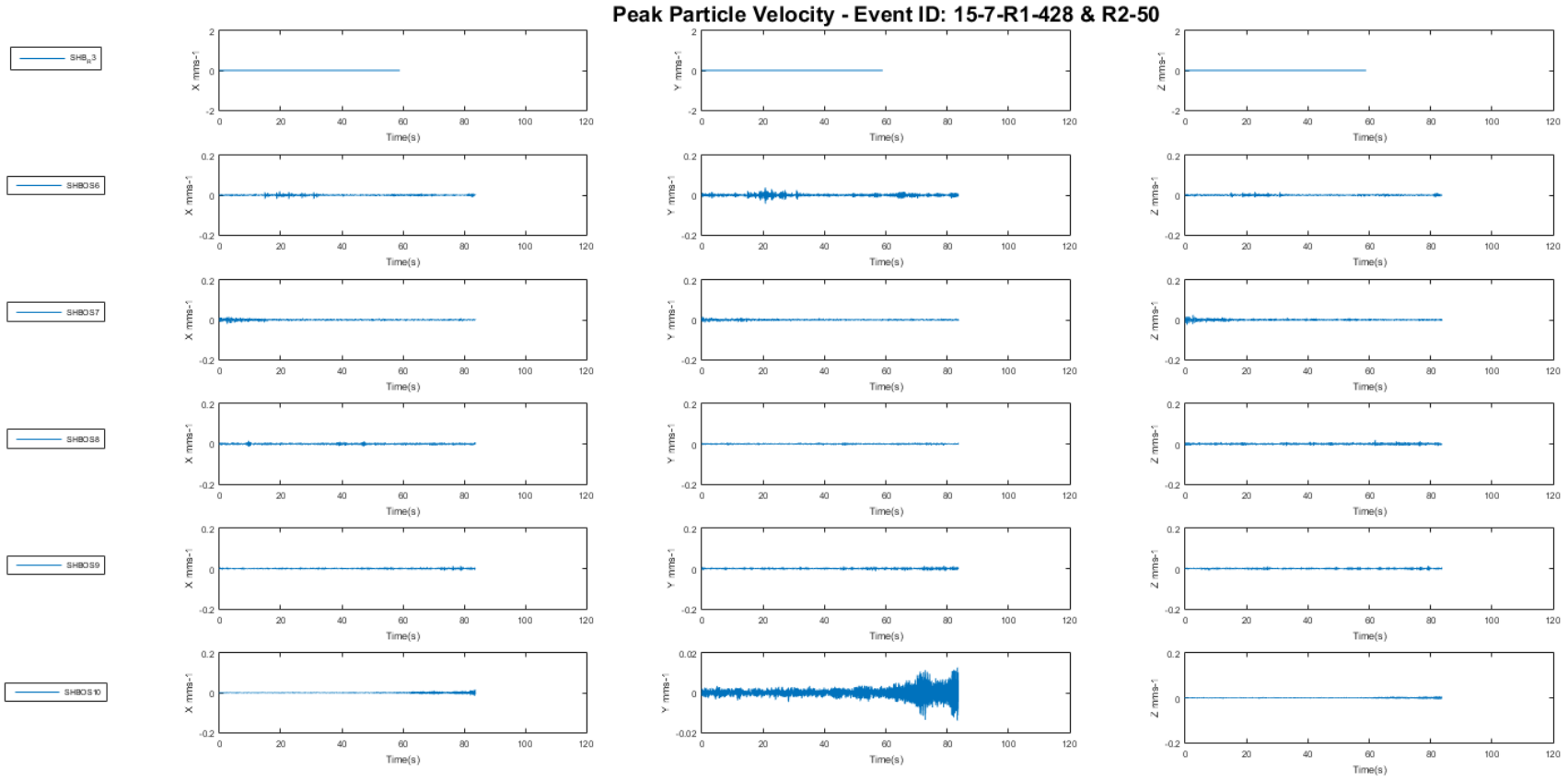


FIGURE 3.811: SHB_OS 1 - 5 15-7-R1-428 & R2-50

FIGURE 3.812: SHB_OS 6 - 10 15-7-R1-428 & R2-50



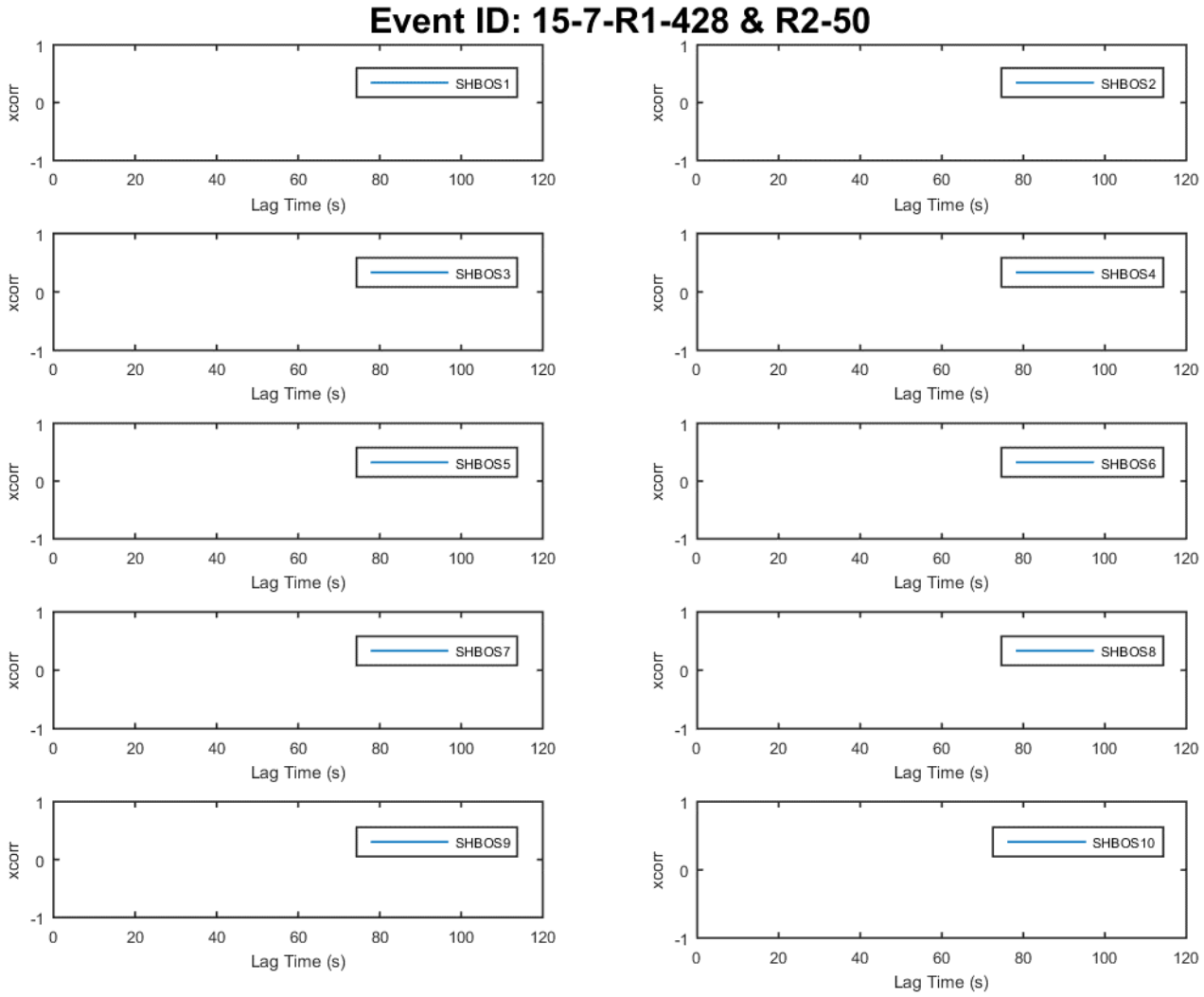


FIGURE 3.813: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-428 & R2-50

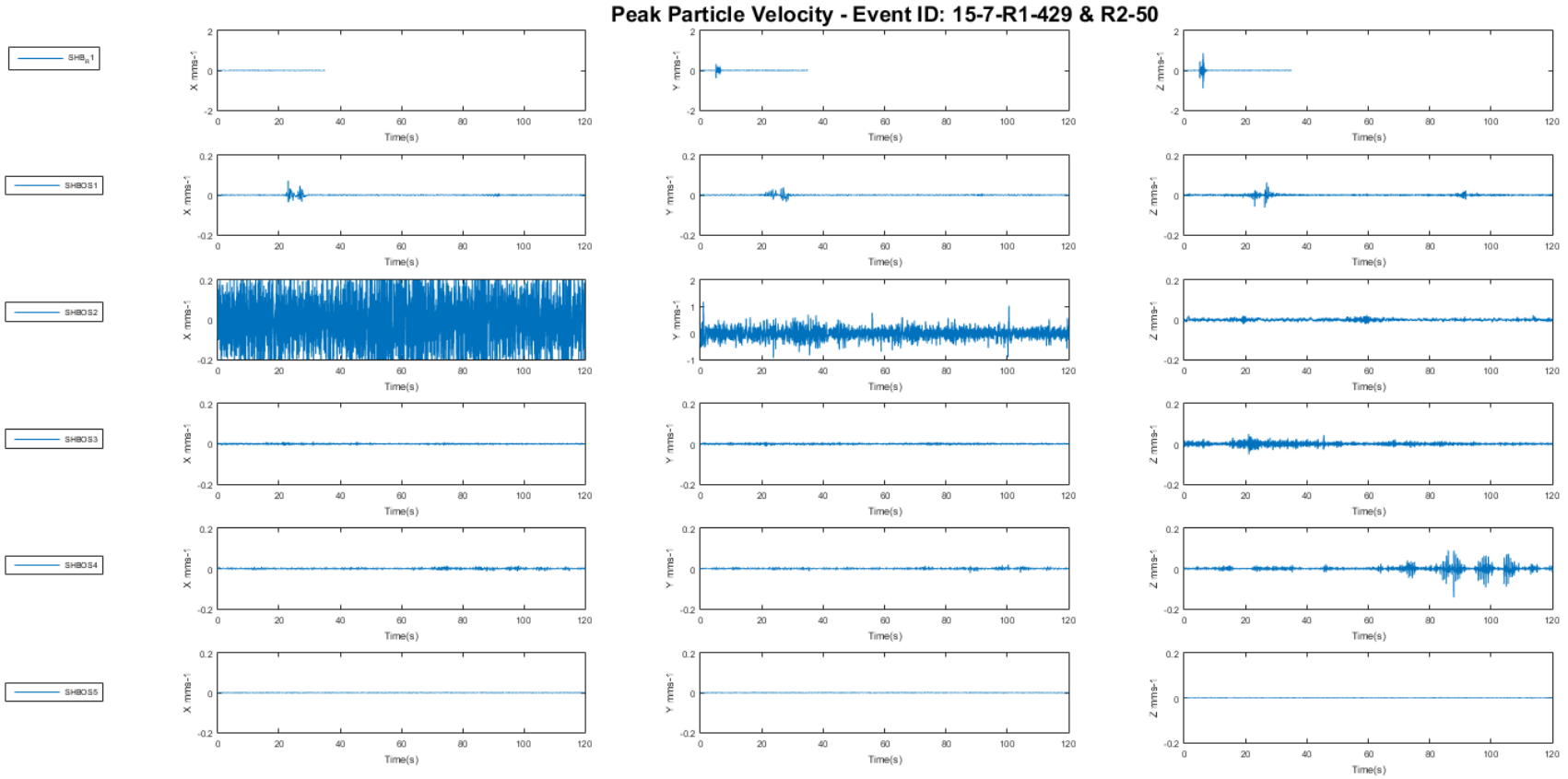
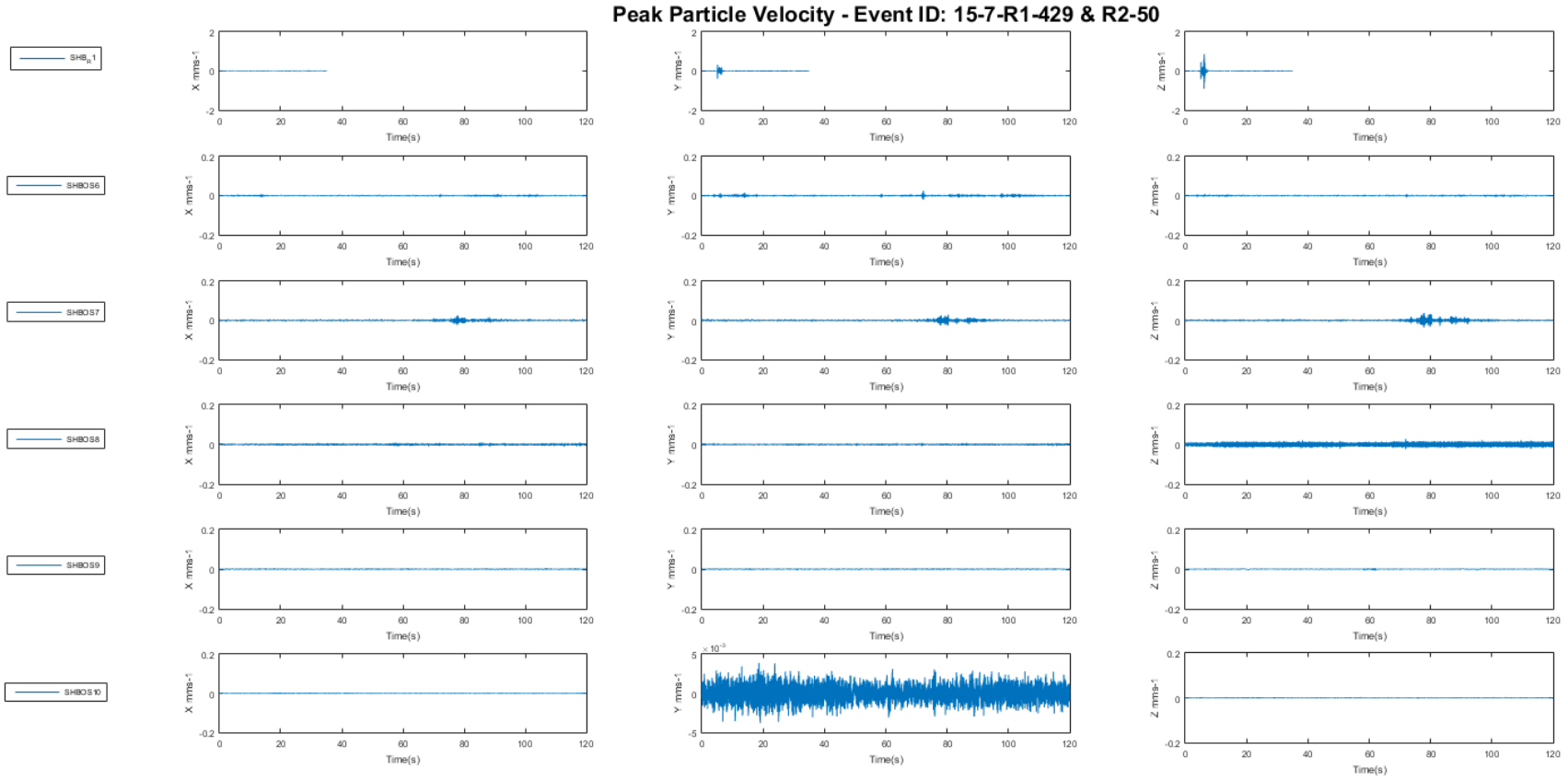


FIGURE 3.814: SHB_OS 1 - 5 15-7-R1-429 & R2-50

FIGURE 3.815: SHB_OS 6 - 10 15-7-R1-429 & R2-50



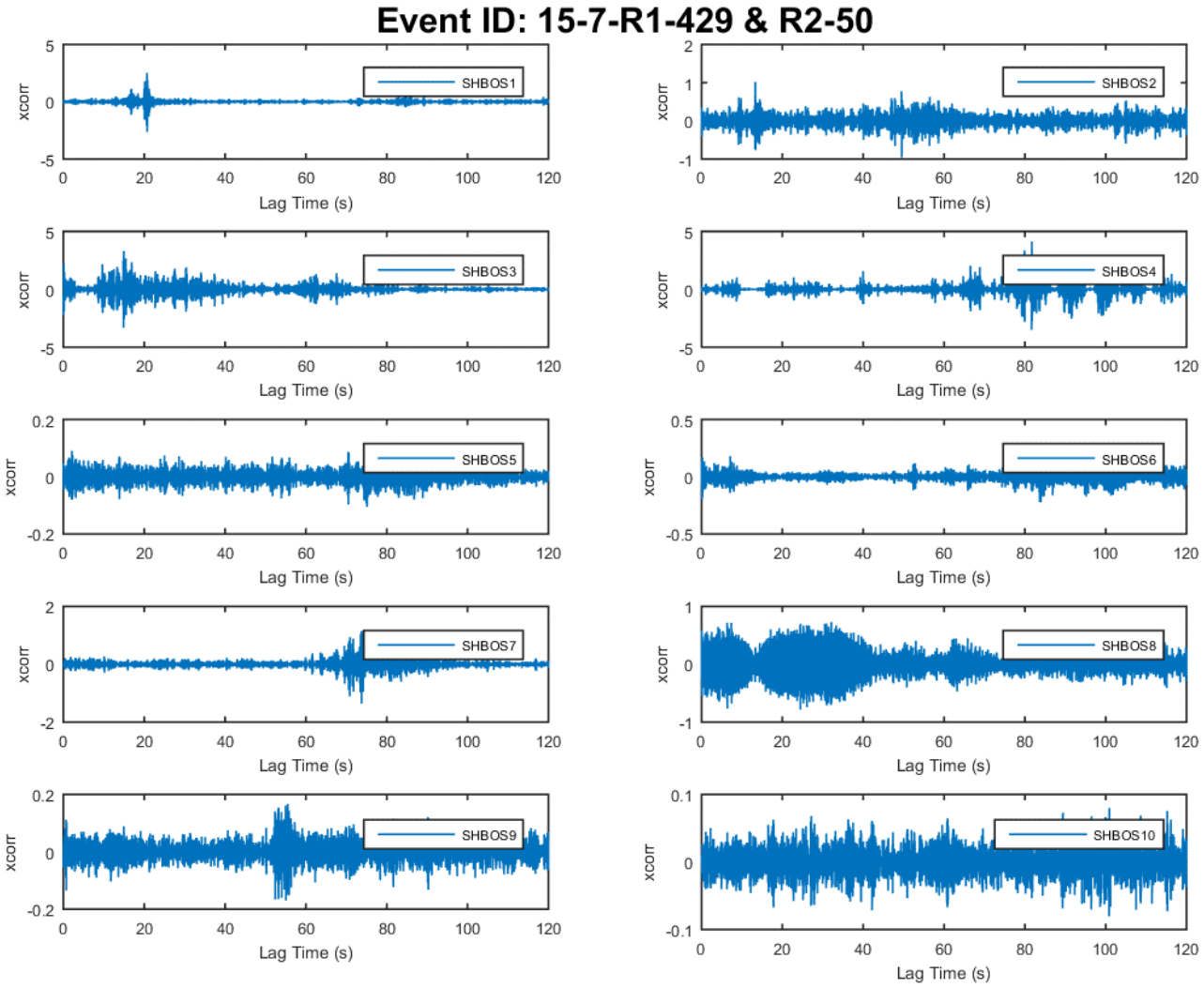


FIGURE 3.816: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-429 & R2-50

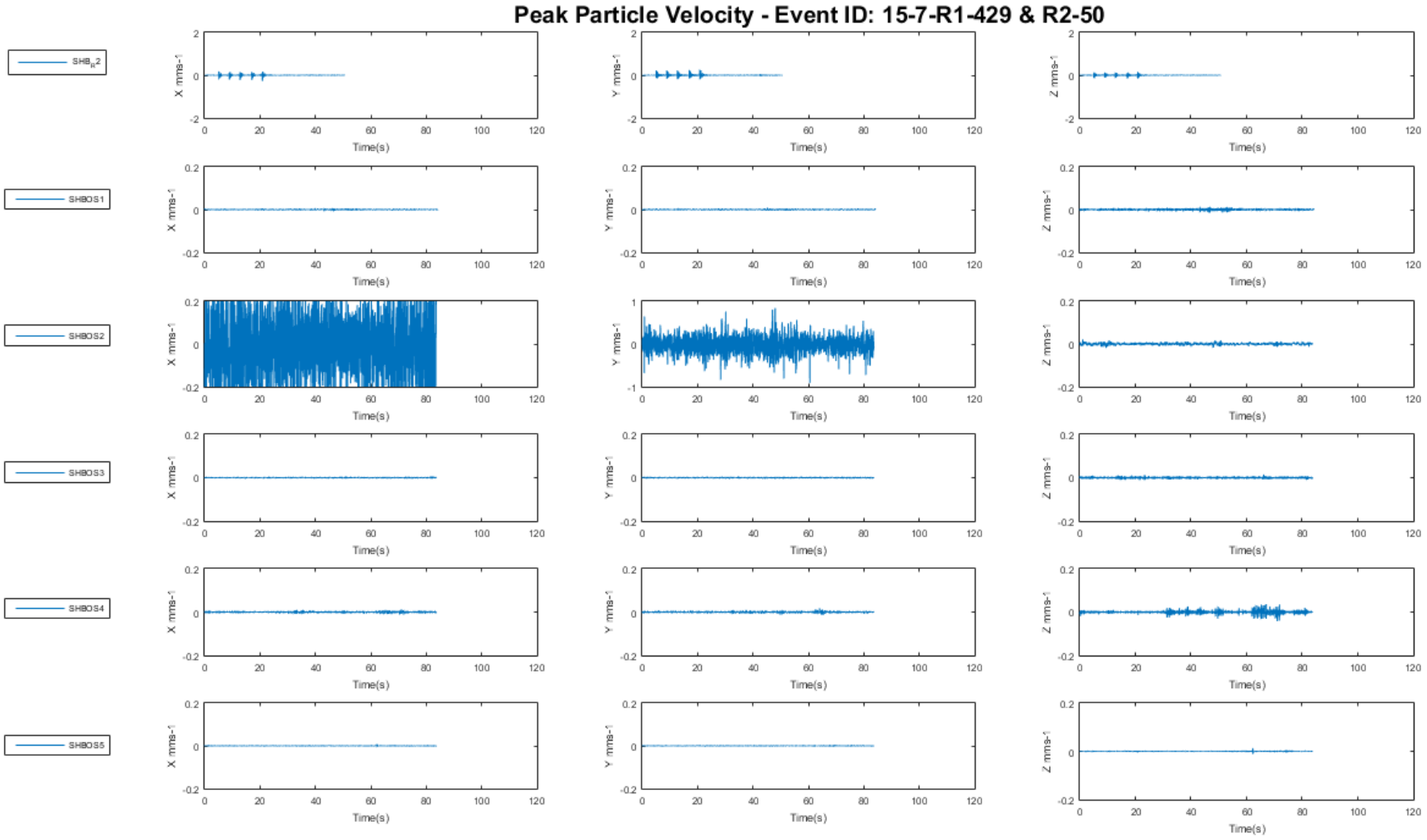


FIGURE 3.817: SHB_OS 1 - 5 15-7-R1-429 & R2-50

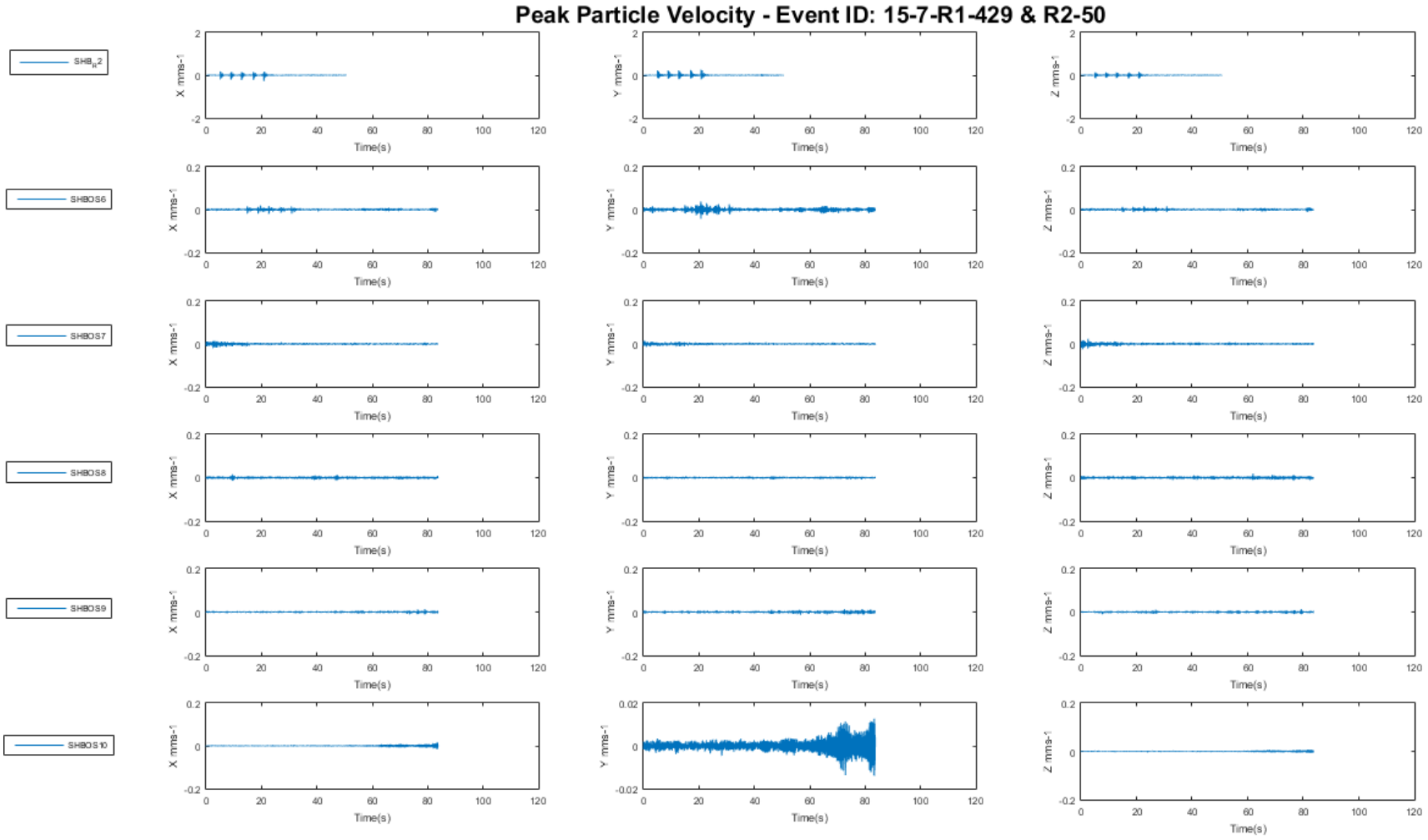


FIGURE 3.818: SHB_OS 6 - 10 15-7-R1-429 & R2-50

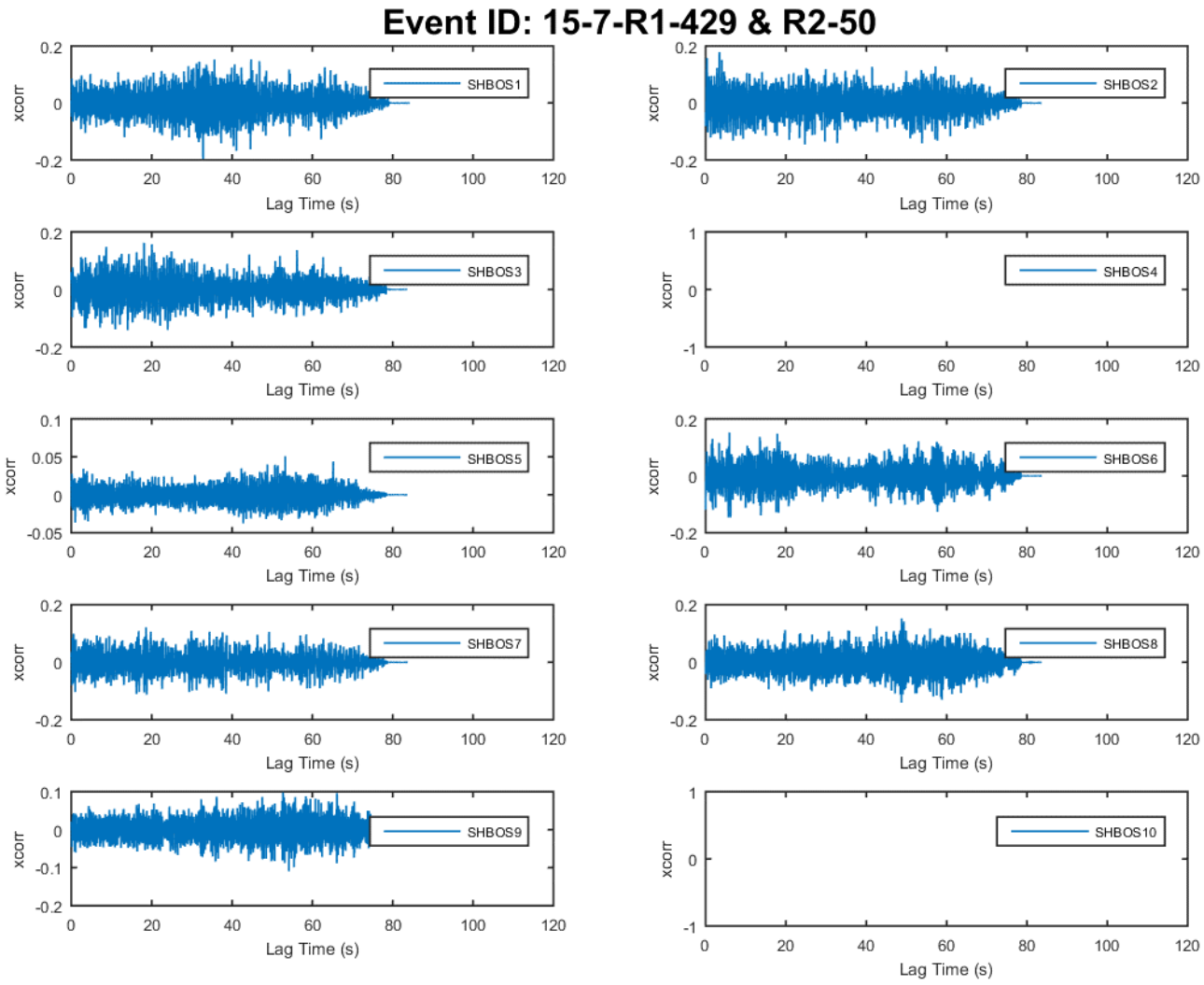


FIGURE 3.819: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-429 & R2-50

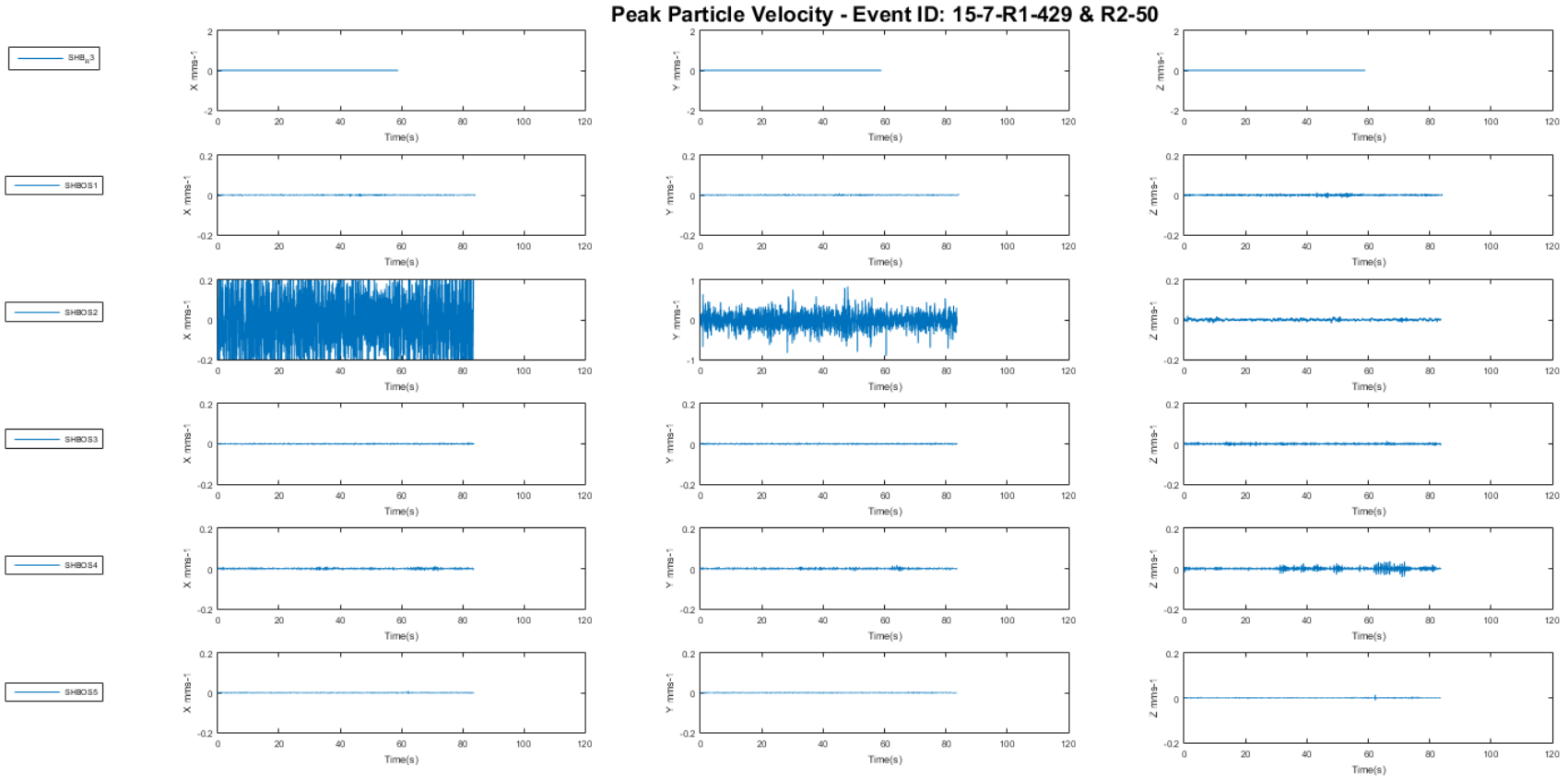
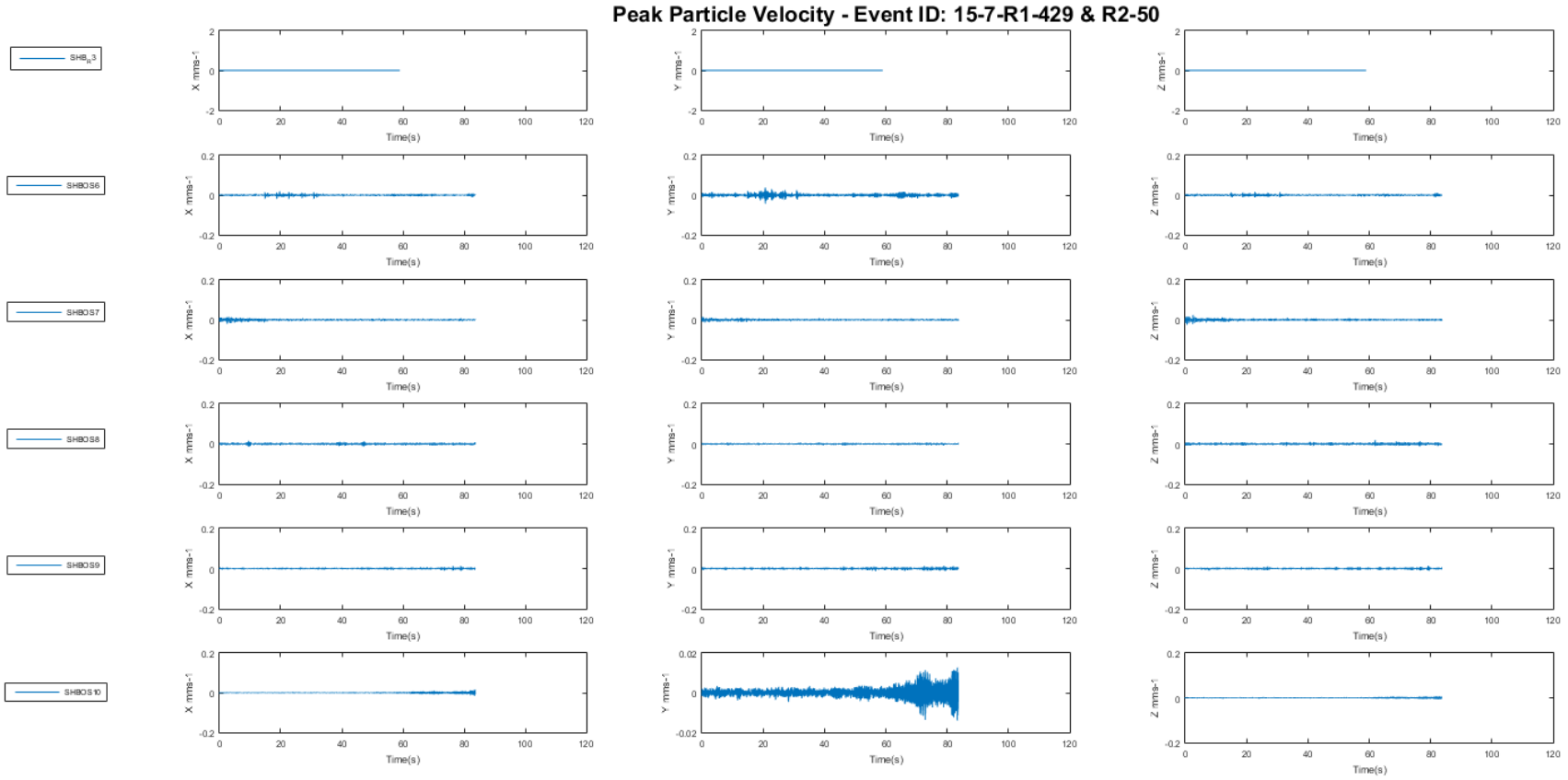


FIGURE 3.820: SHB_OS 1 - 5 15-7-R1-429 & R2-50

FIGURE 3.821: SHB_OS 6 - 10 15-7-R1-429 & R2-50



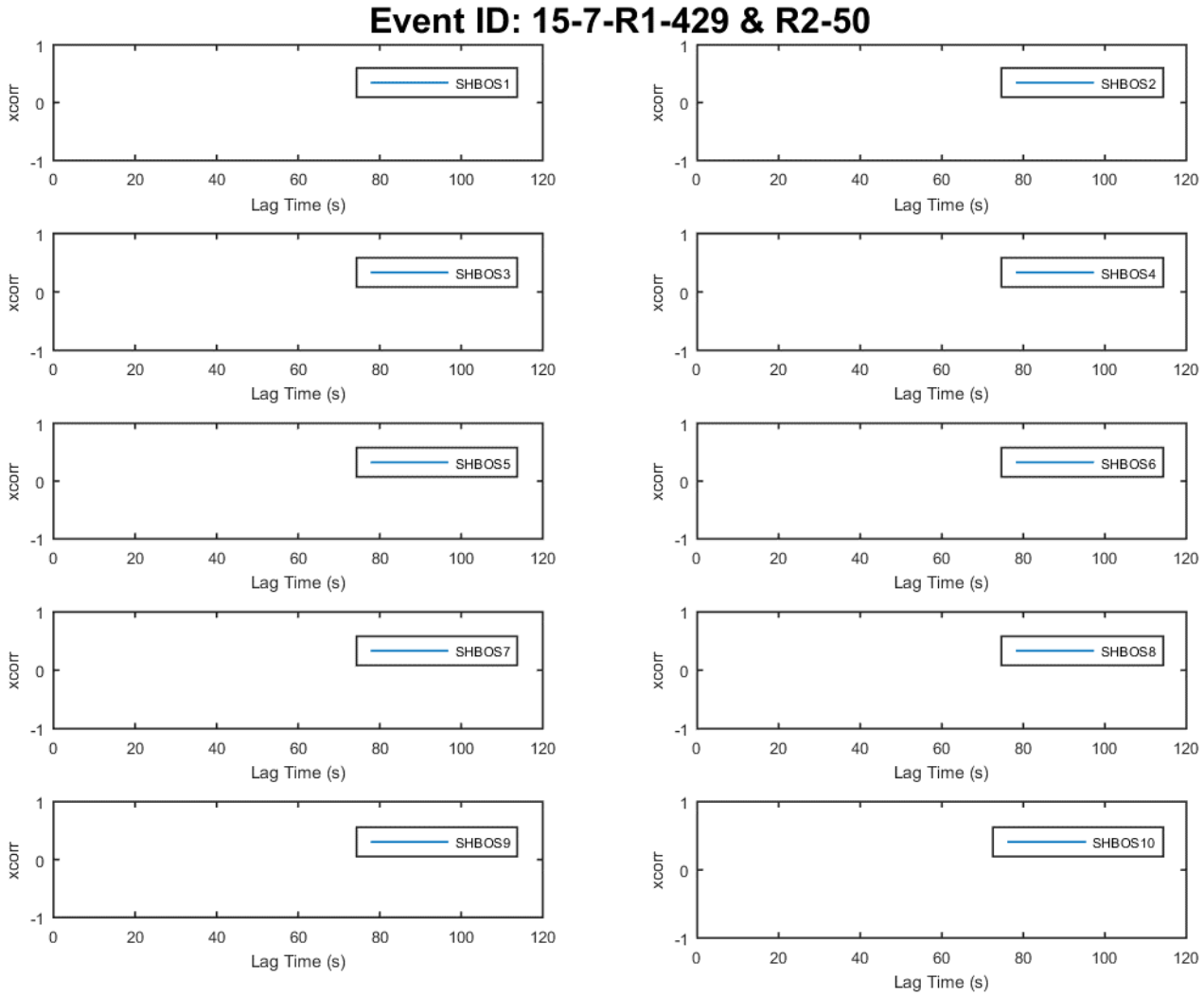


FIGURE 3.822: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-429 & R2-50

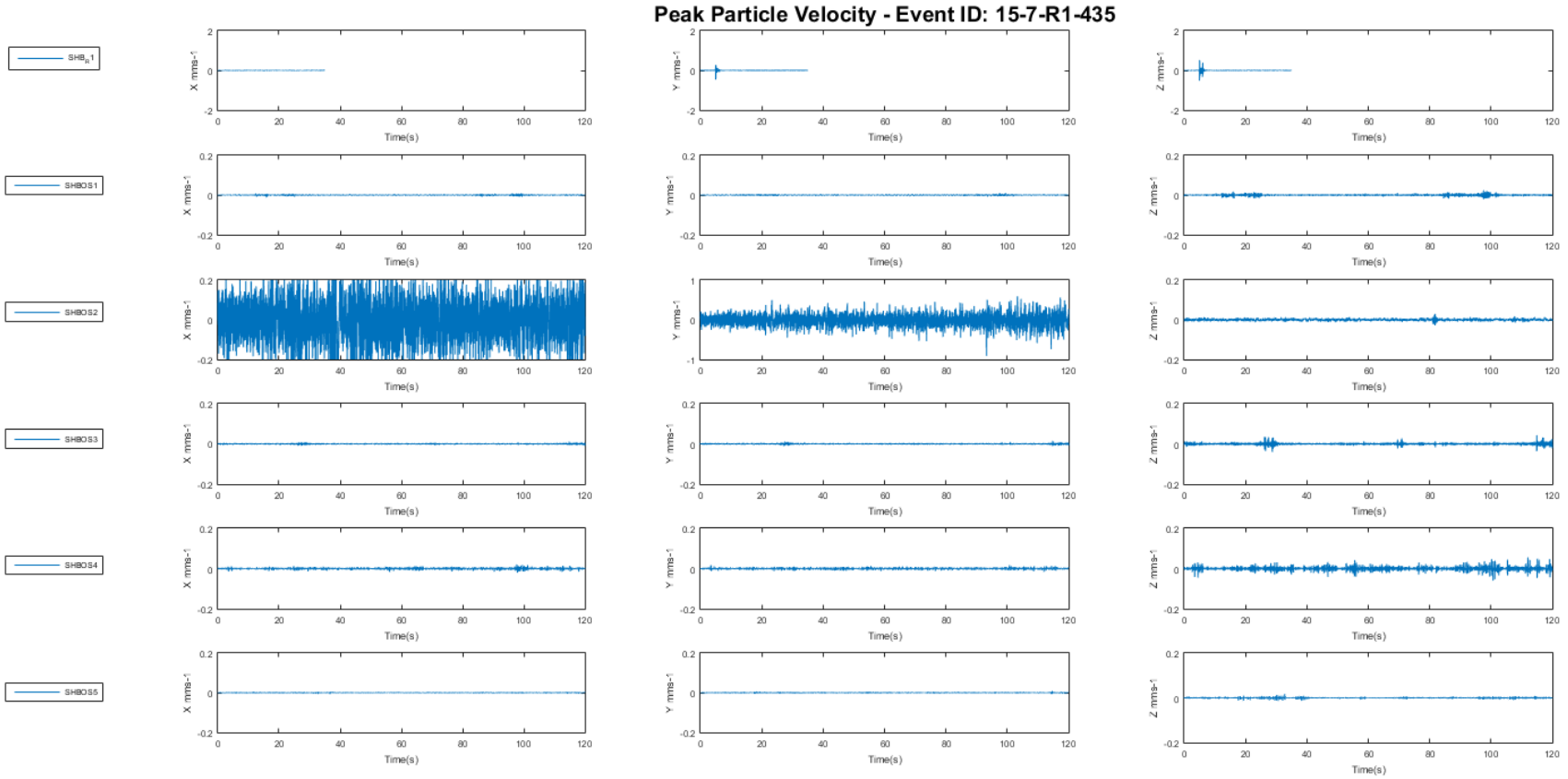
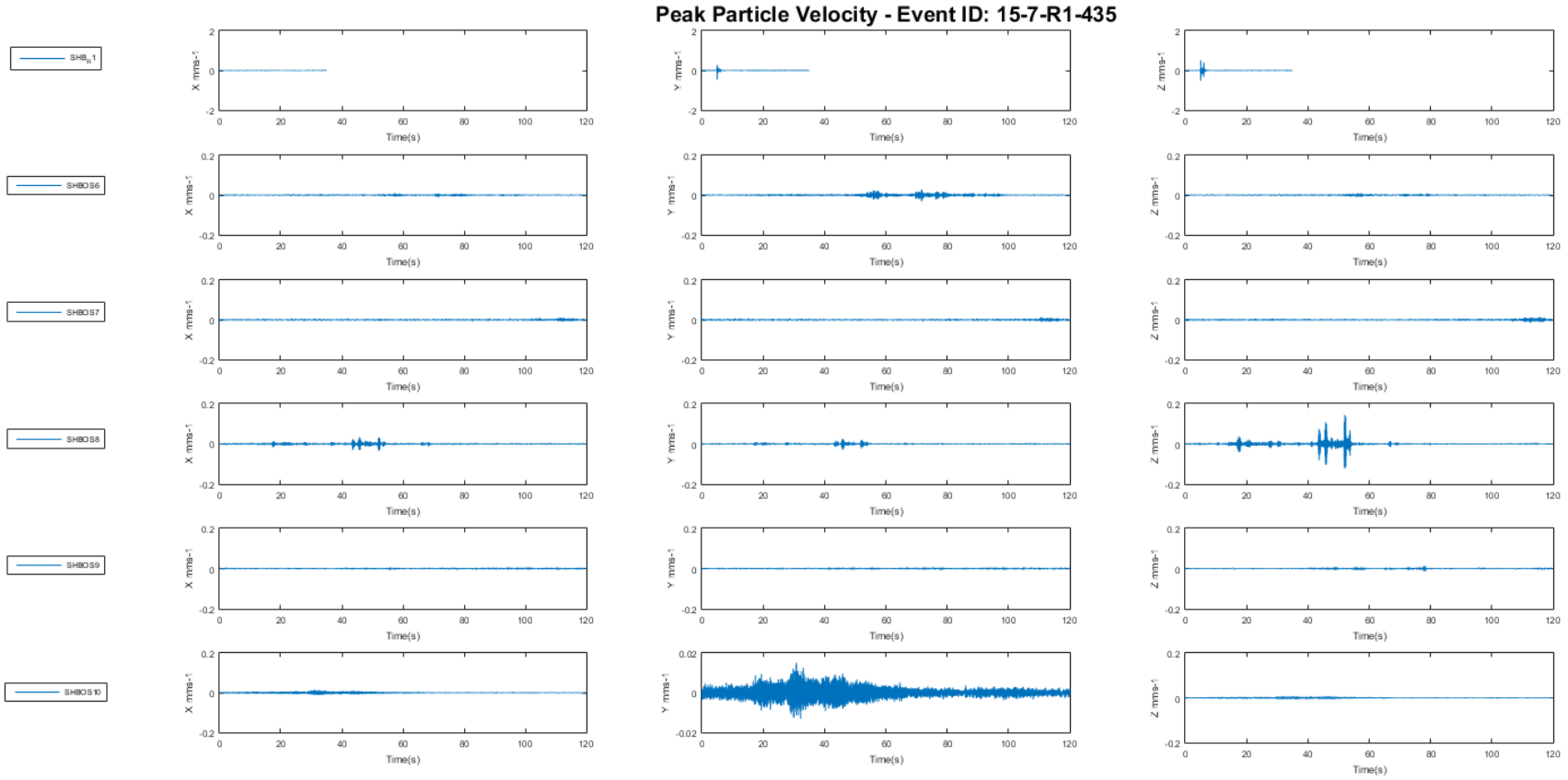


FIGURE 3.823: SHB_OS 1 - 5 15-7-R1-435

FIGURE 3.824: SHB_OS 6 - 10 15-7-R1-435



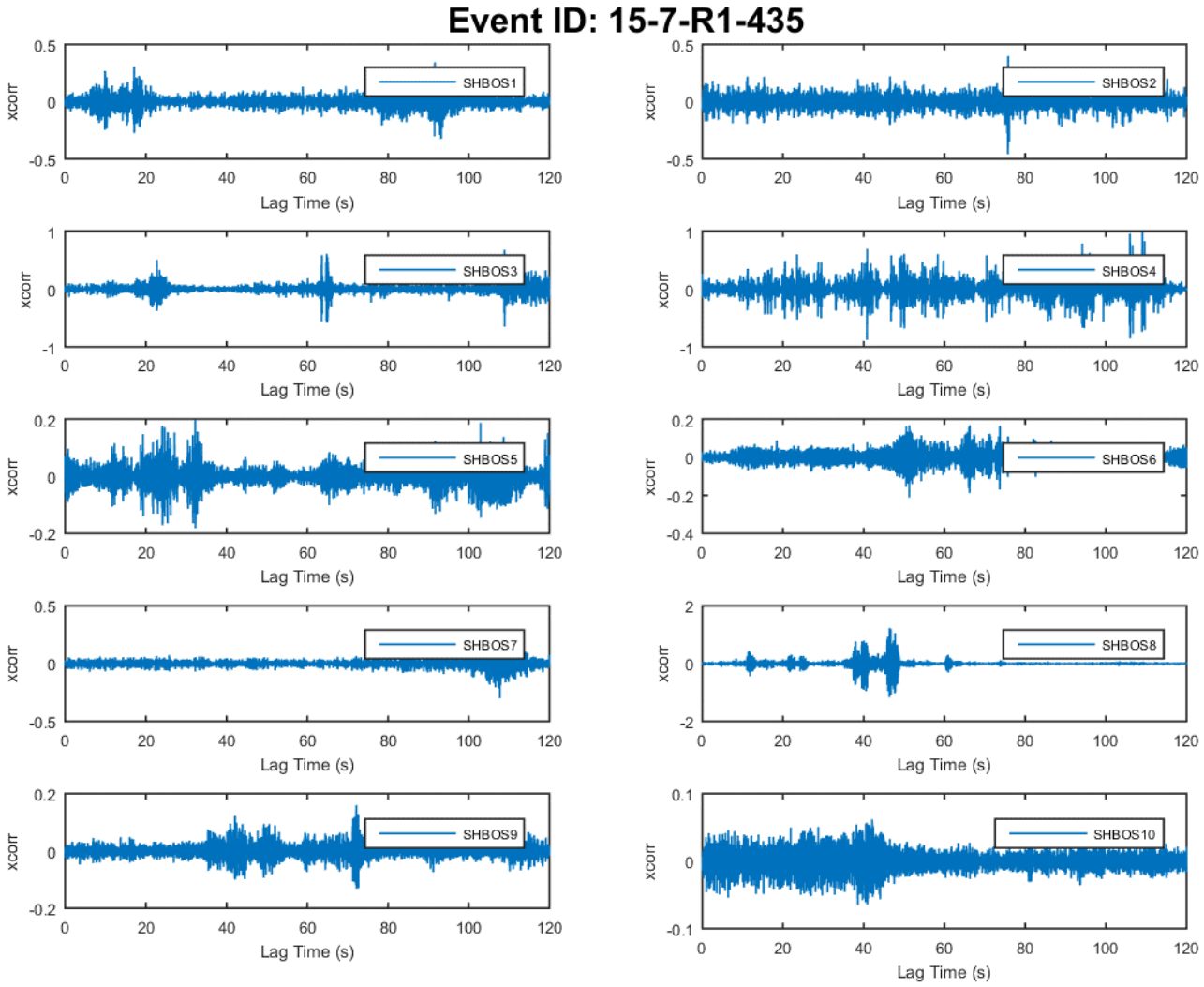


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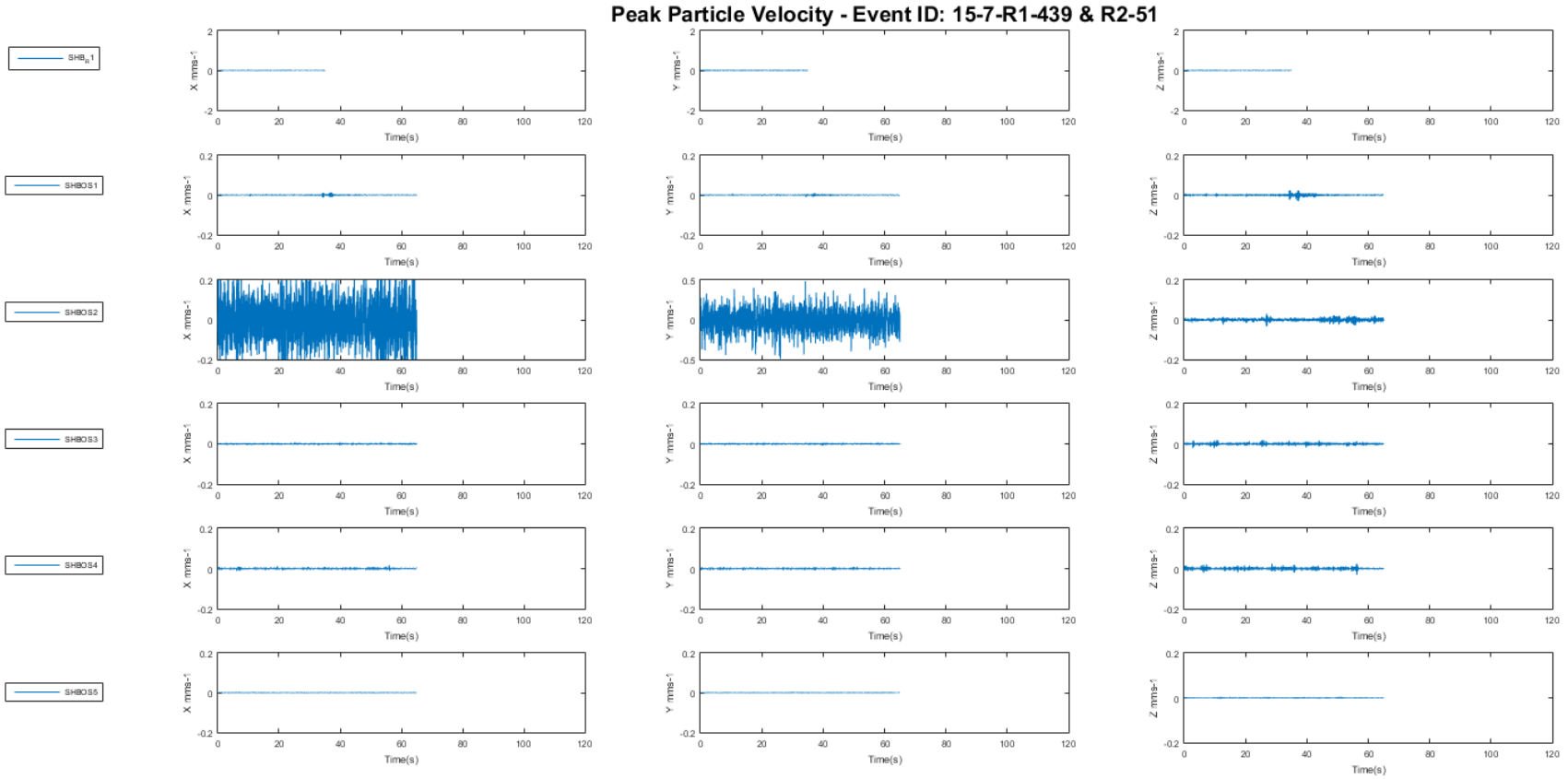
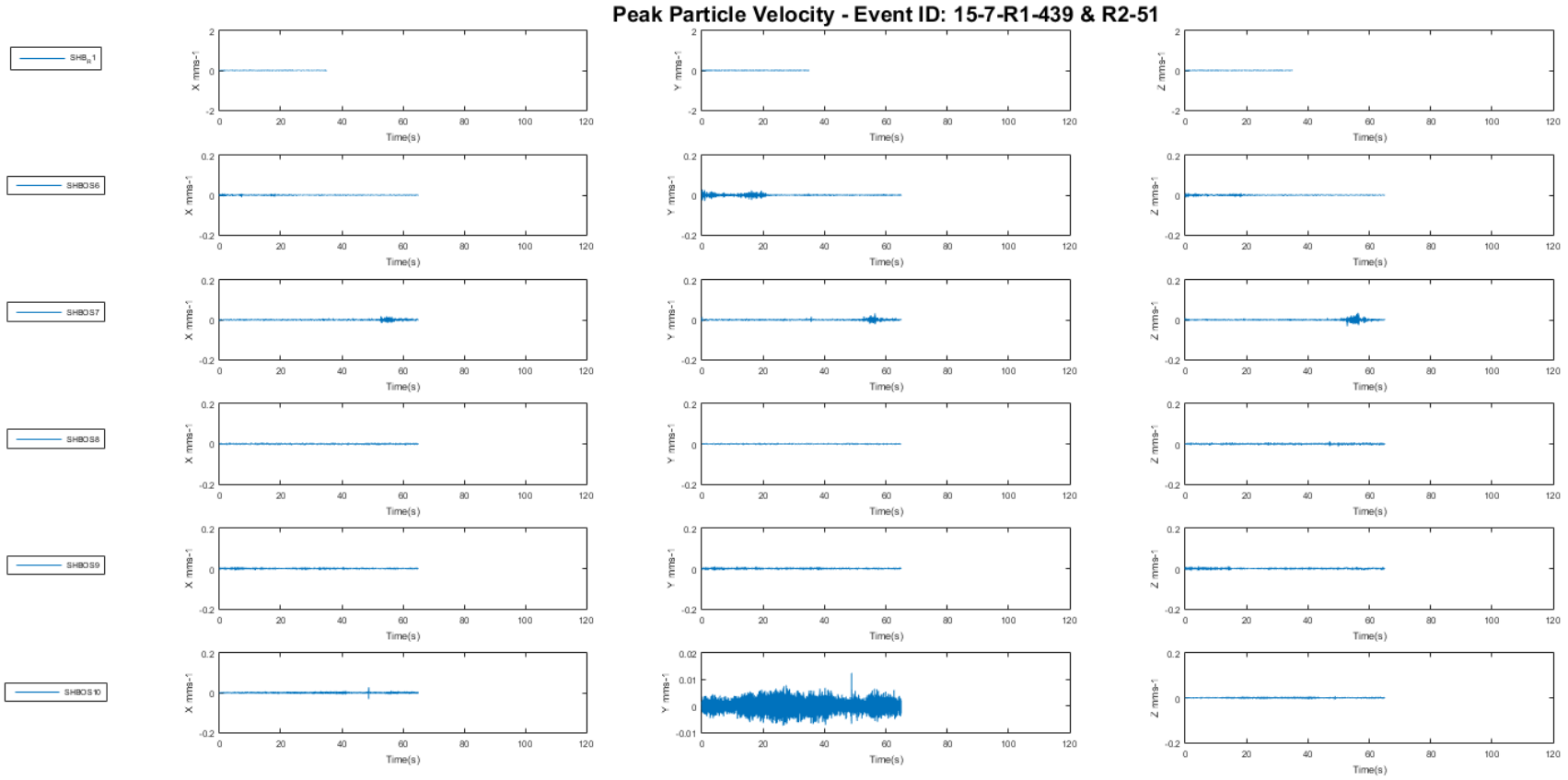


FIGURE 3.826: SHB_OS 1 - 5 15-7-R1-439 & R2-51

FIGURE 3.827: SHB_OS 6 - 10 15-7-R1-439 & R2-51



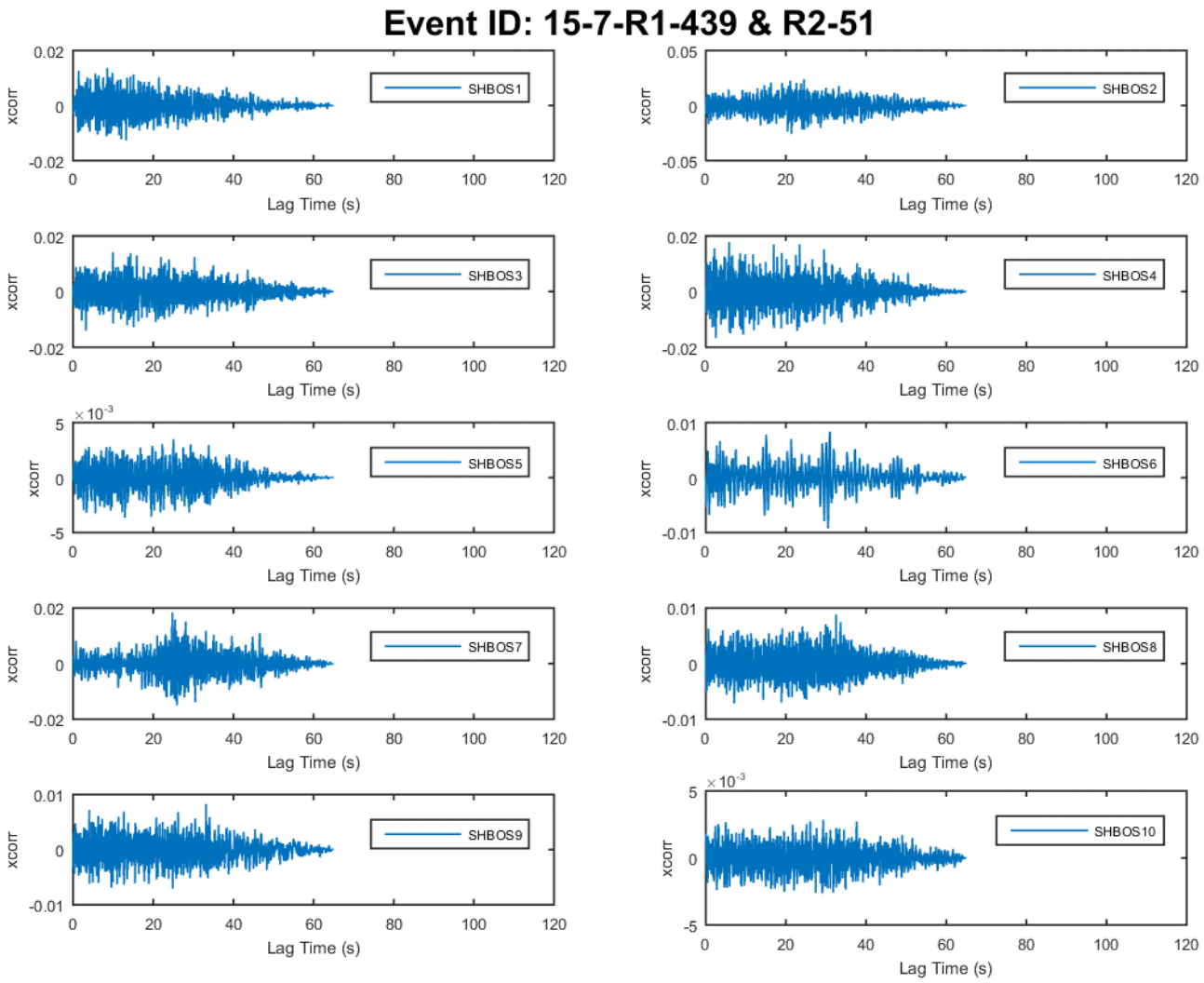


FIGURE 3.828: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-439 & R2-51

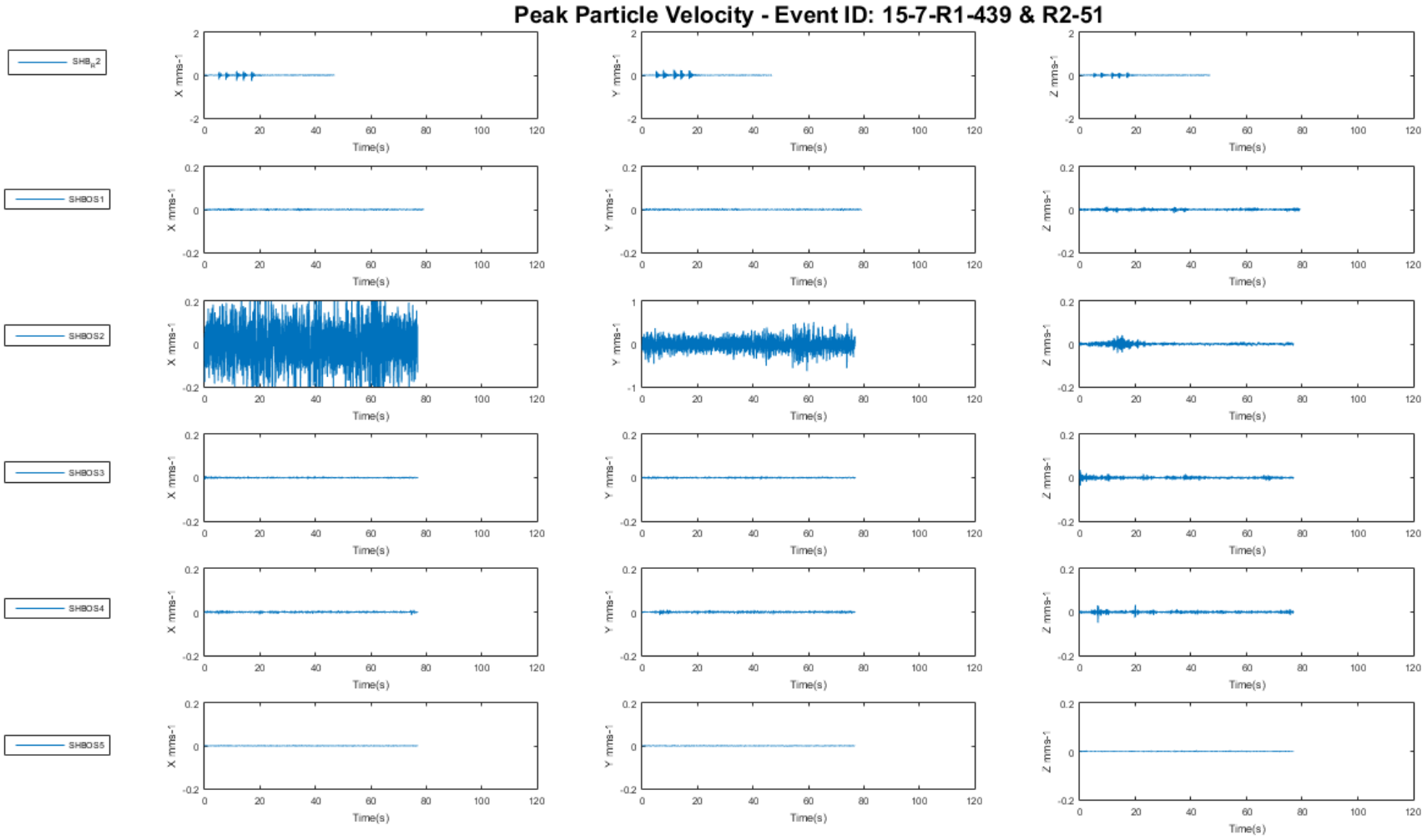


FIGURE 3.829: SHB_OS 1 - 5 15-7-R1-439 & R2-51

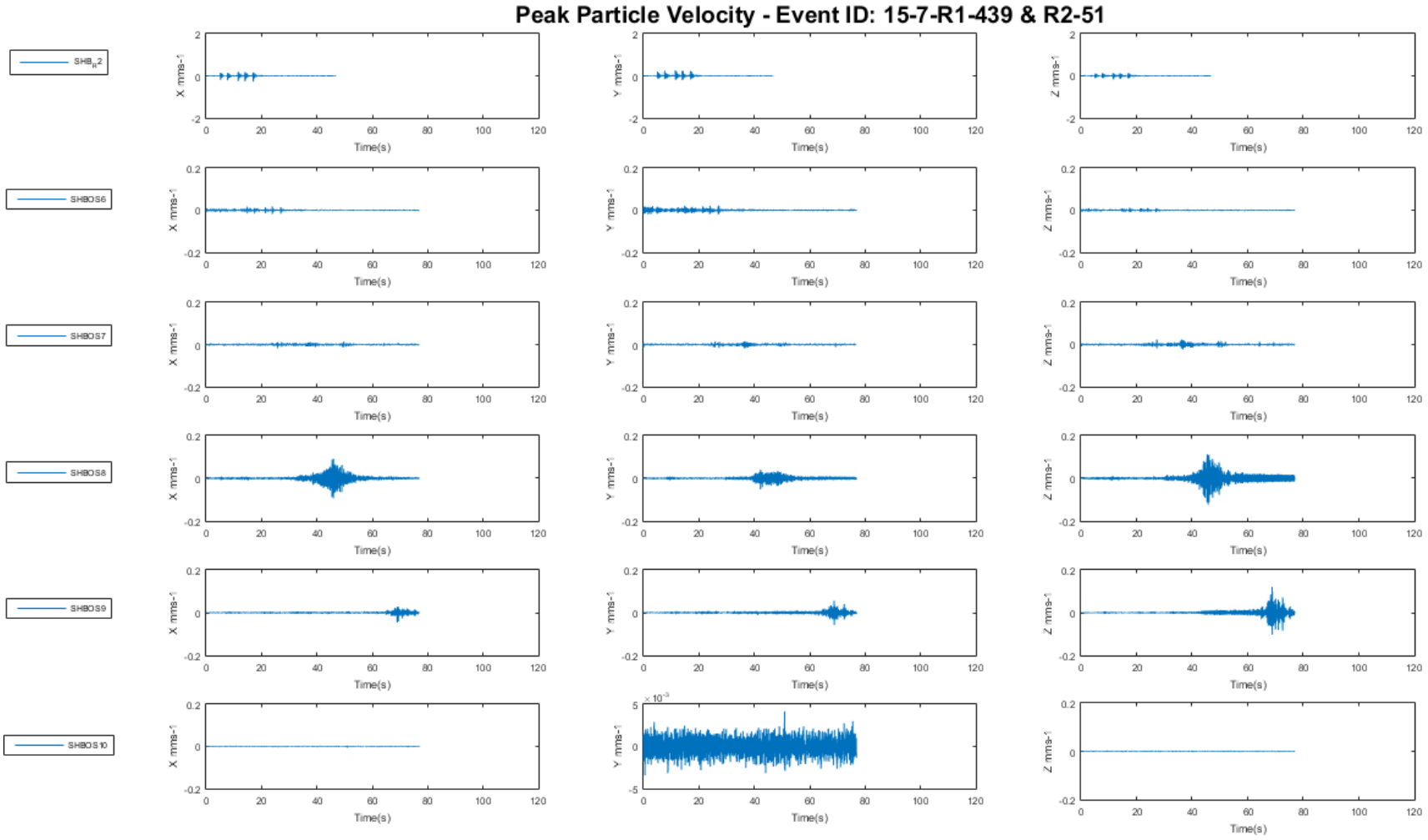


FIGURE 3.830: SHB_OS 6 - 10 15-7-R1-439 & R2-51

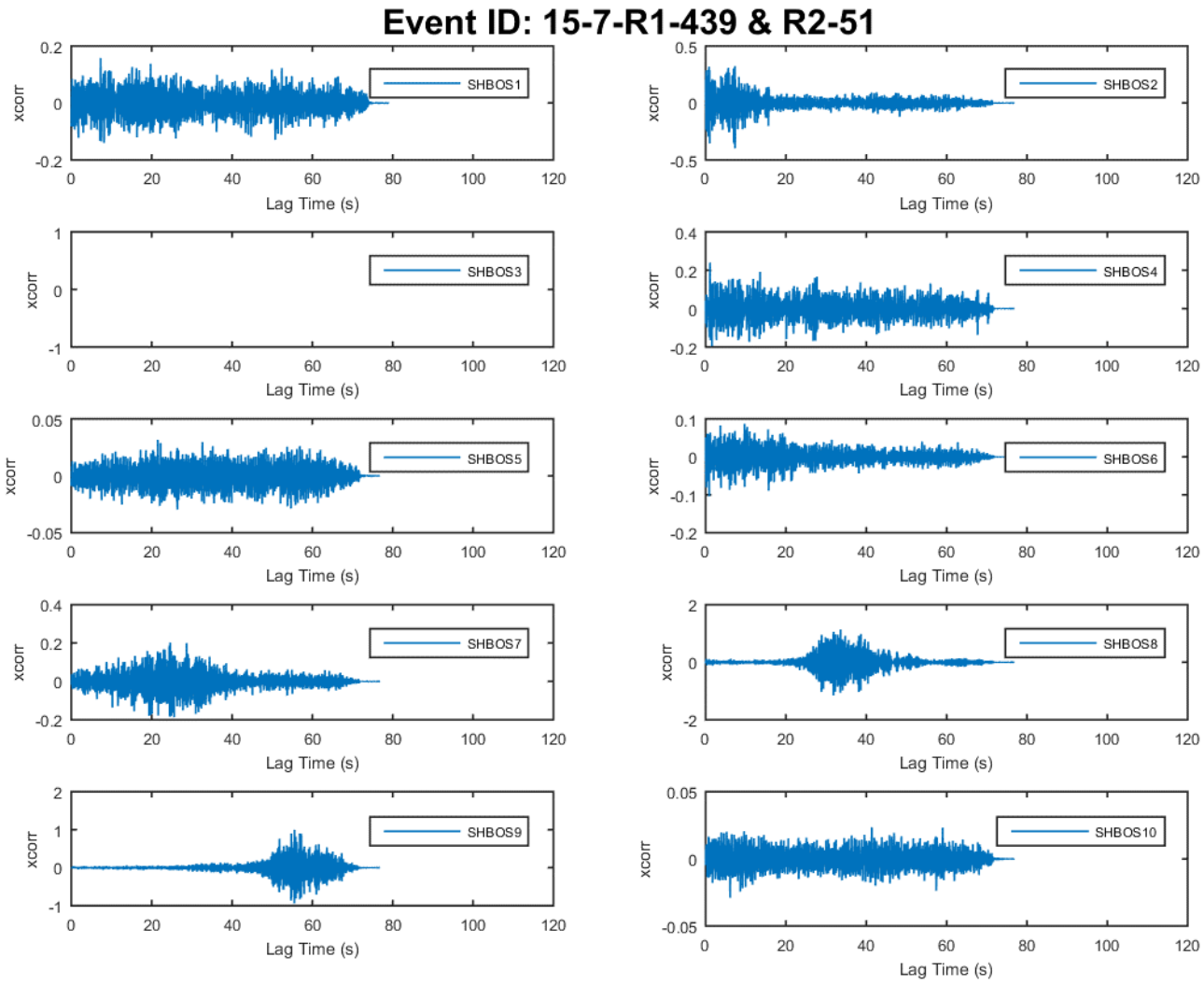


FIGURE 3.831: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-439 & R2-51

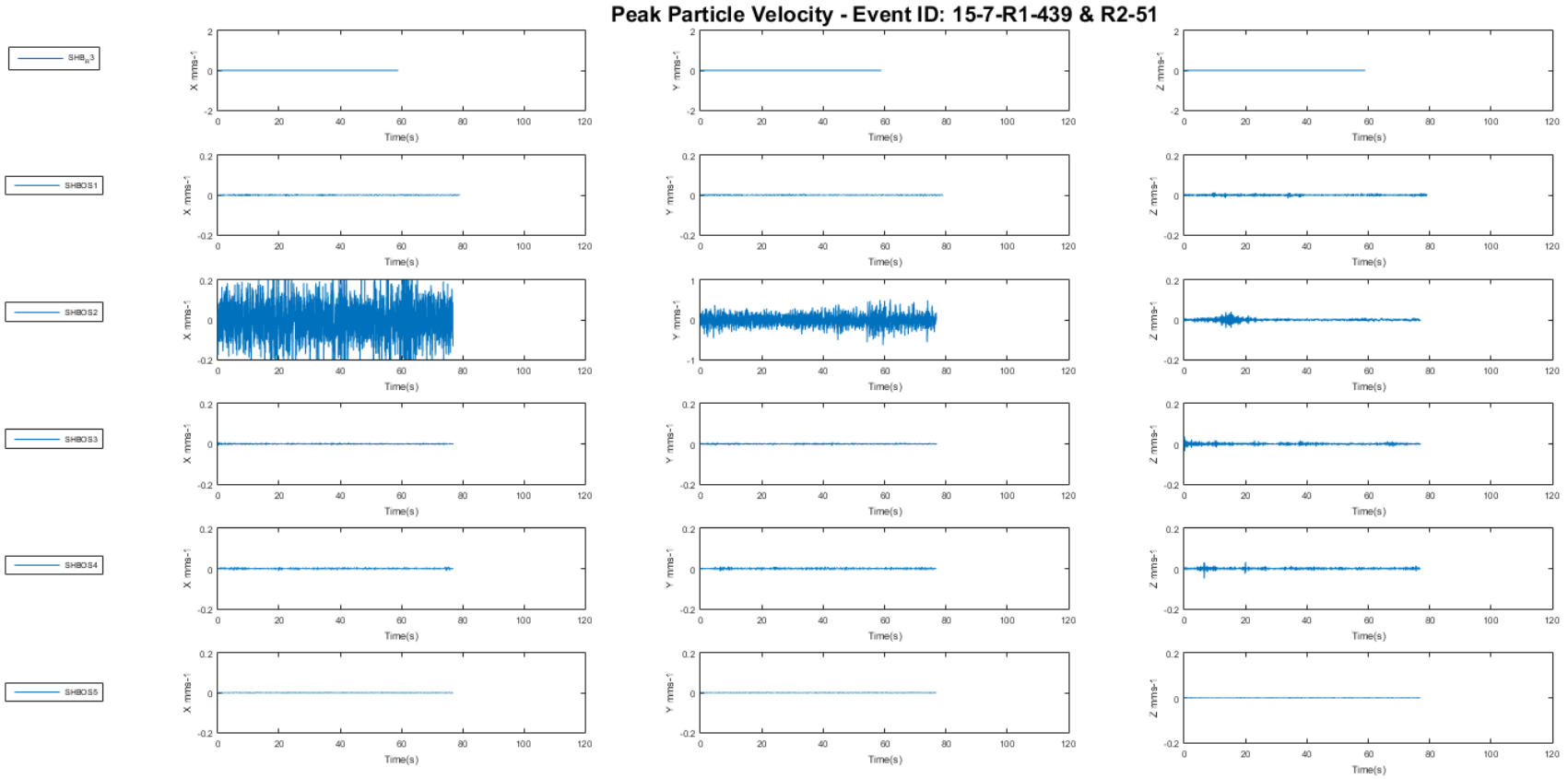
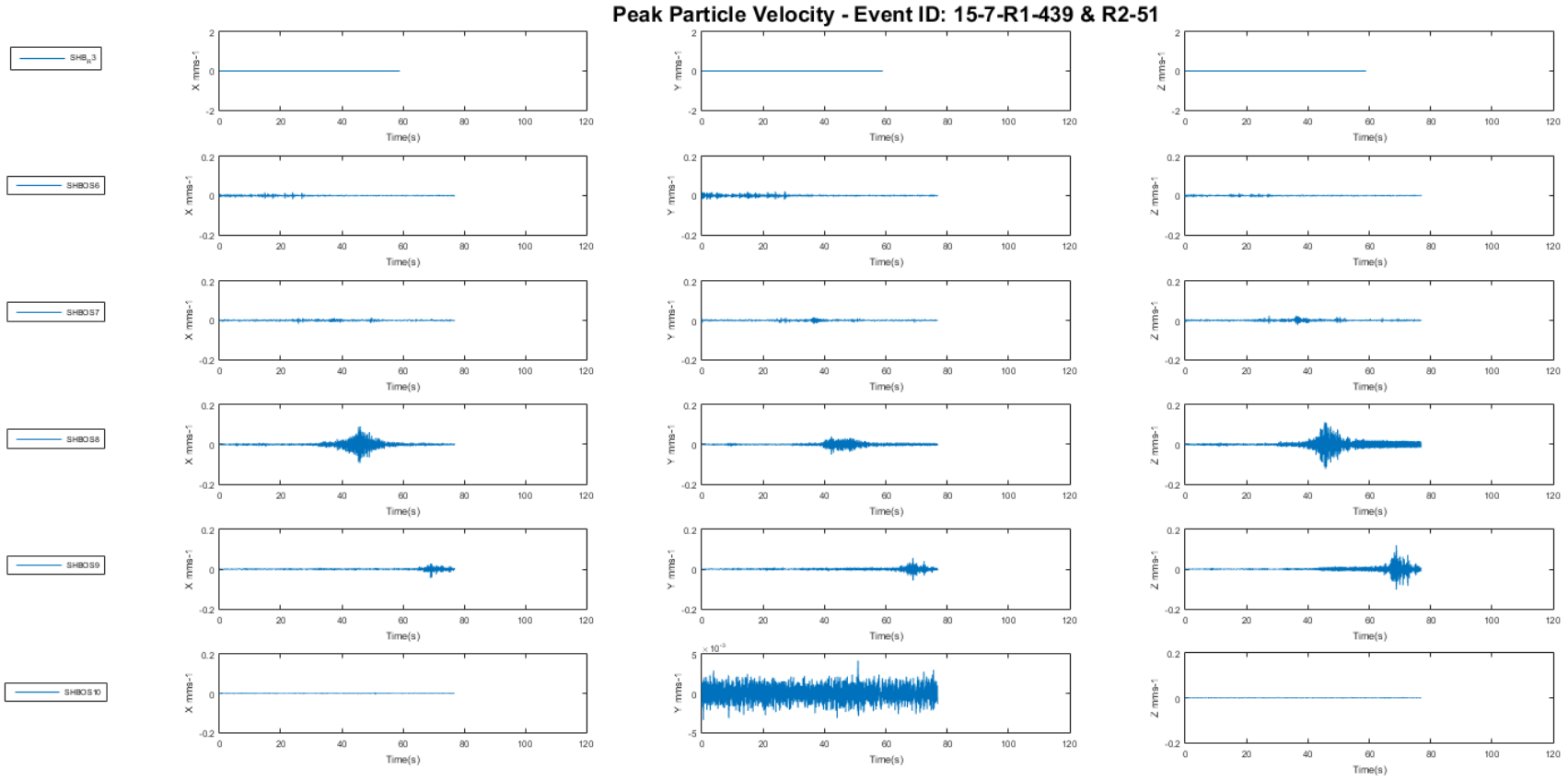


FIGURE 3.832: SHB_OS 1 - 5 15-7-R1-439 & R2-51

FIGURE 3.833: SHB_OS 6 - 10 15-7-R1-439 & R2-51



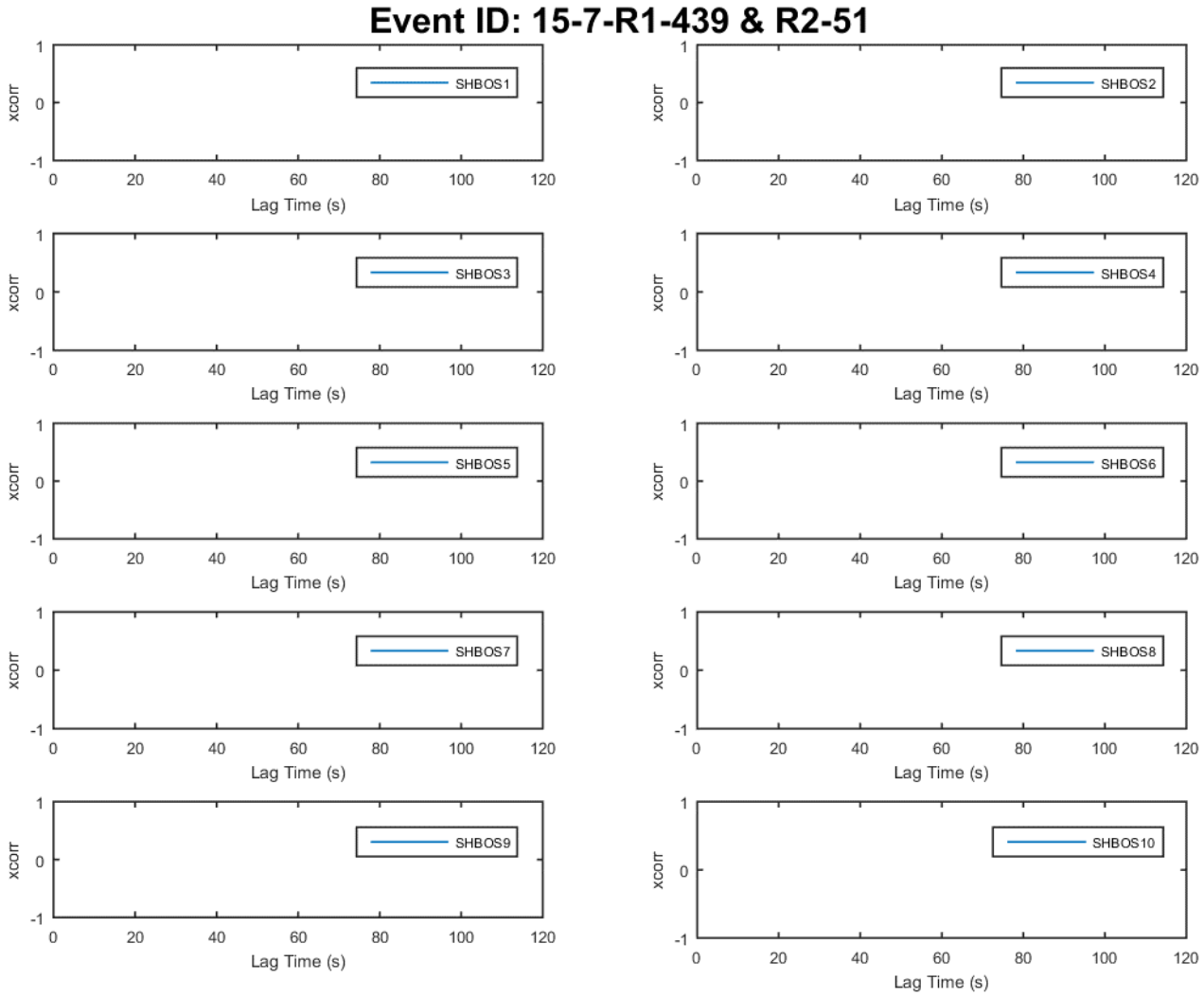


FIGURE 3.834: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-439 & R2-51

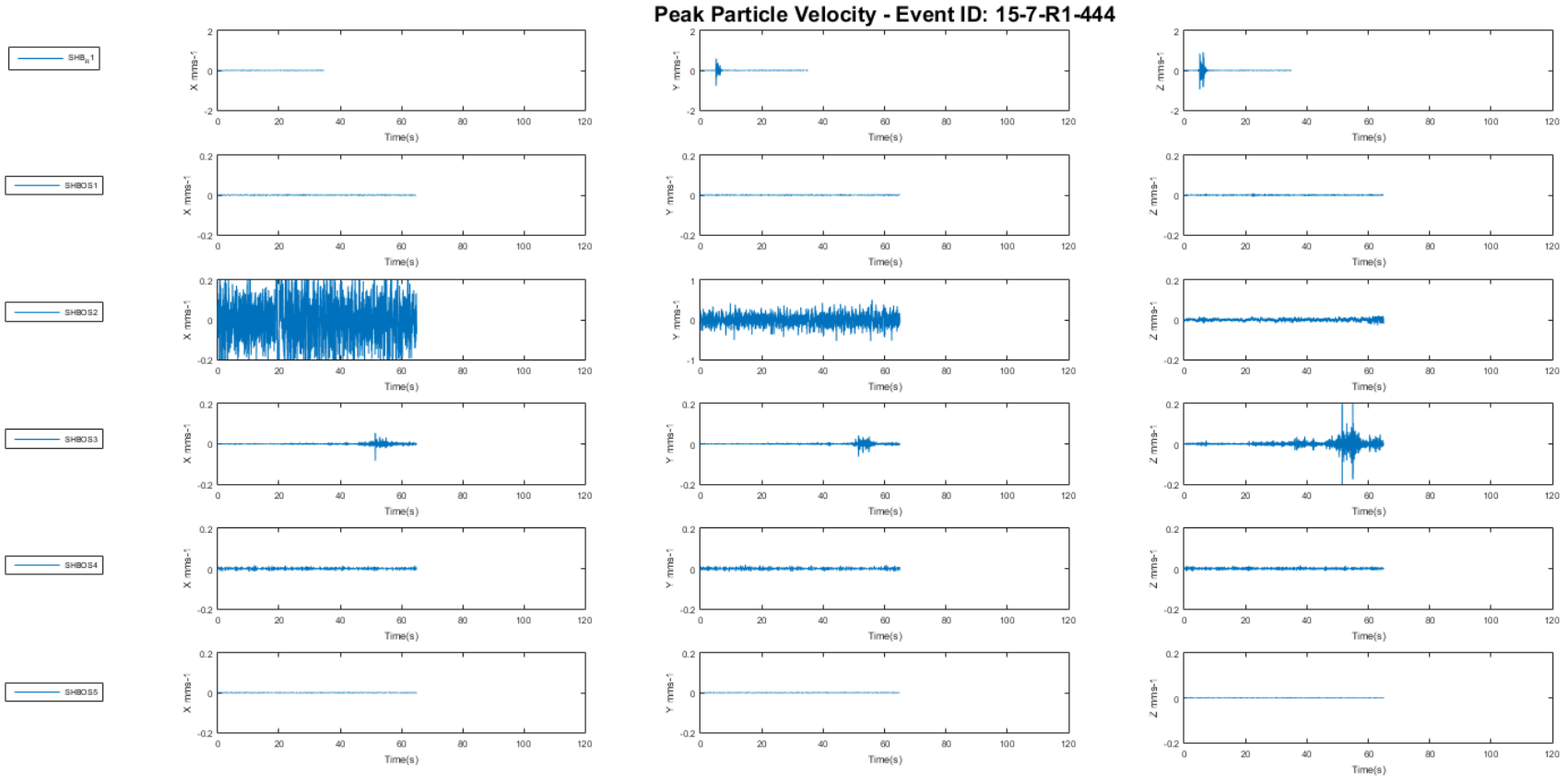
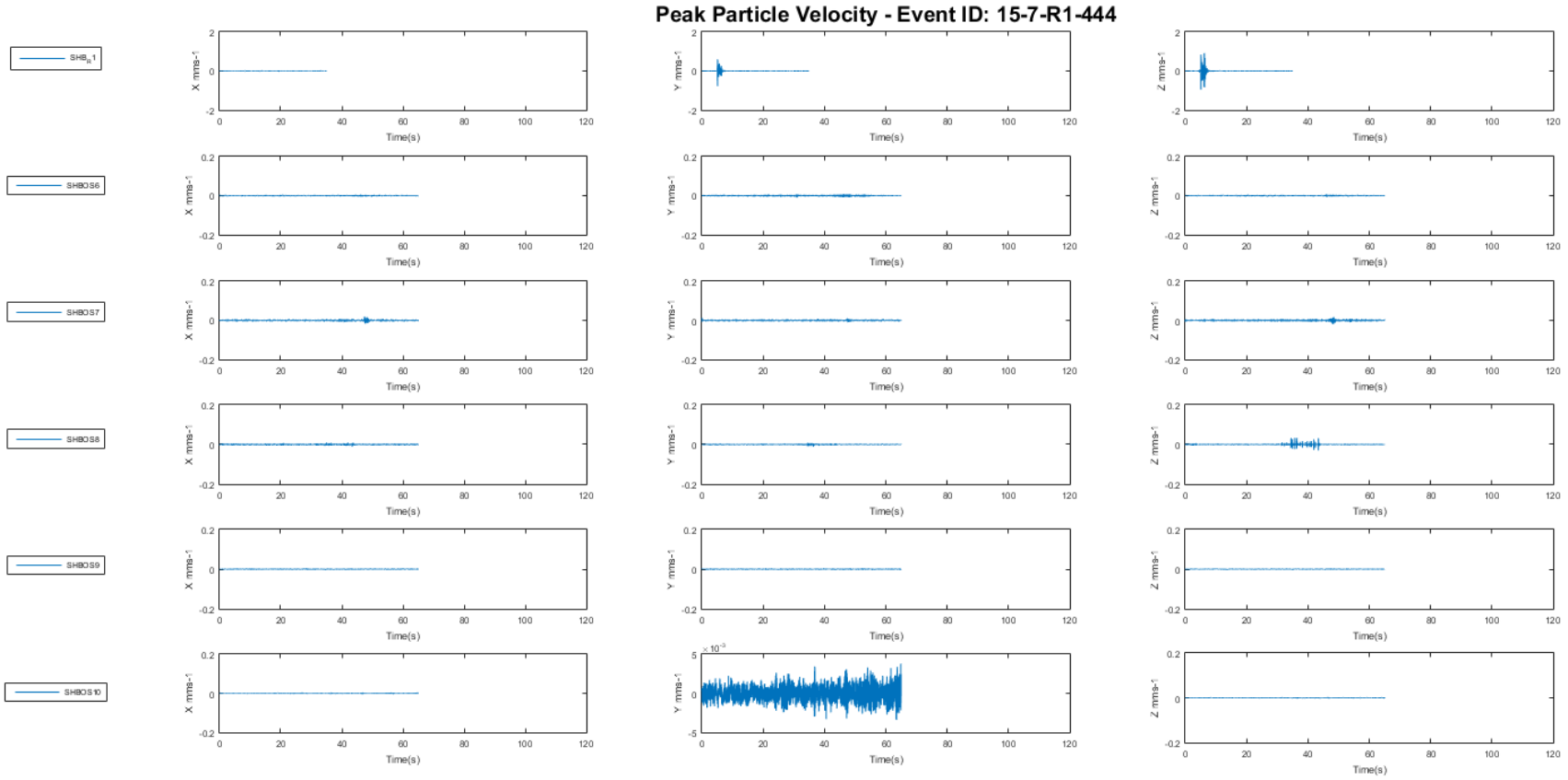


FIGURE 3.835: SHB_OS 1 - 5 15-7-R1-444

FIGURE 3.836: SHB_OS 6 - 10 15-7-R1-444



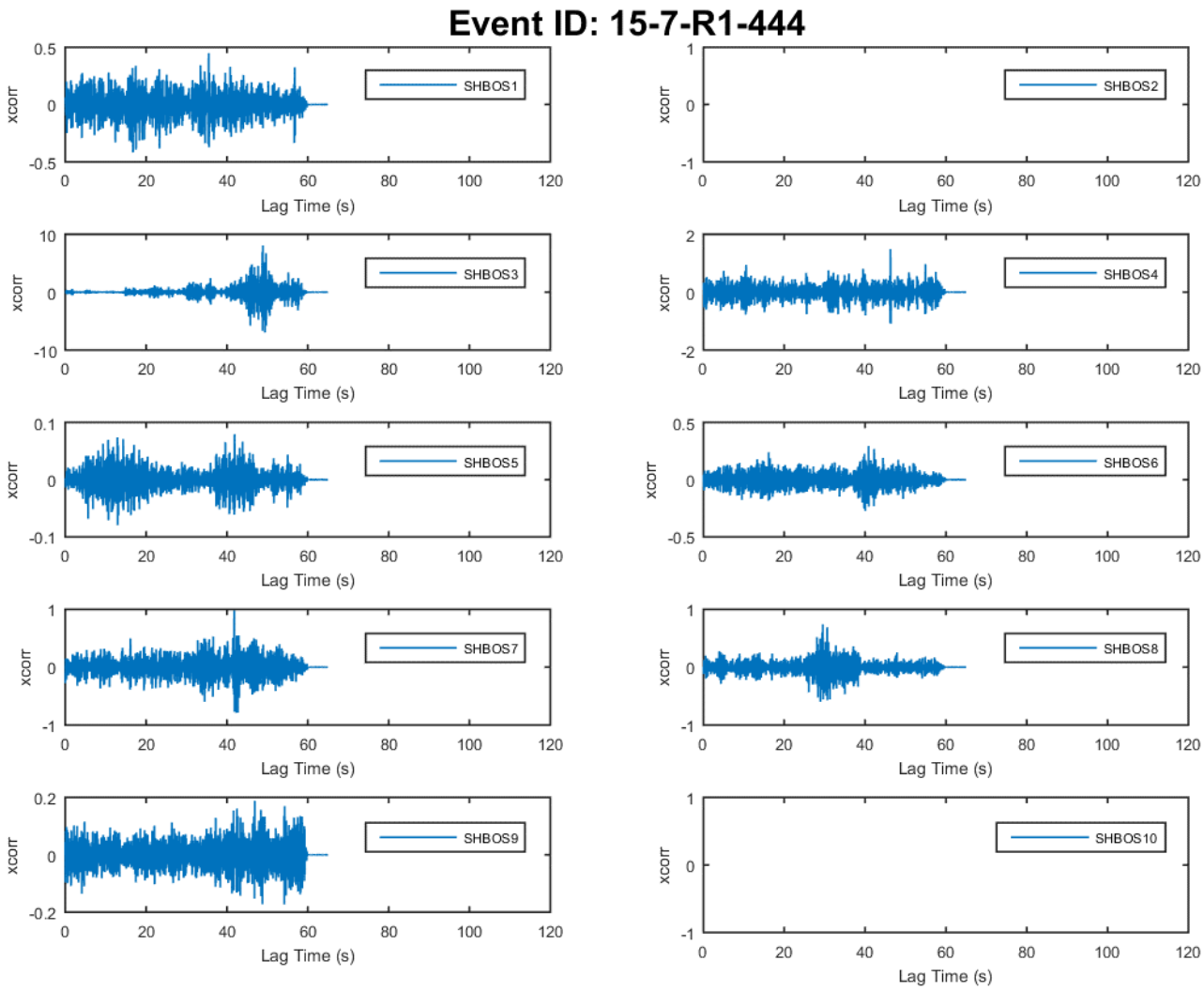


FIGURE 3.837: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-444

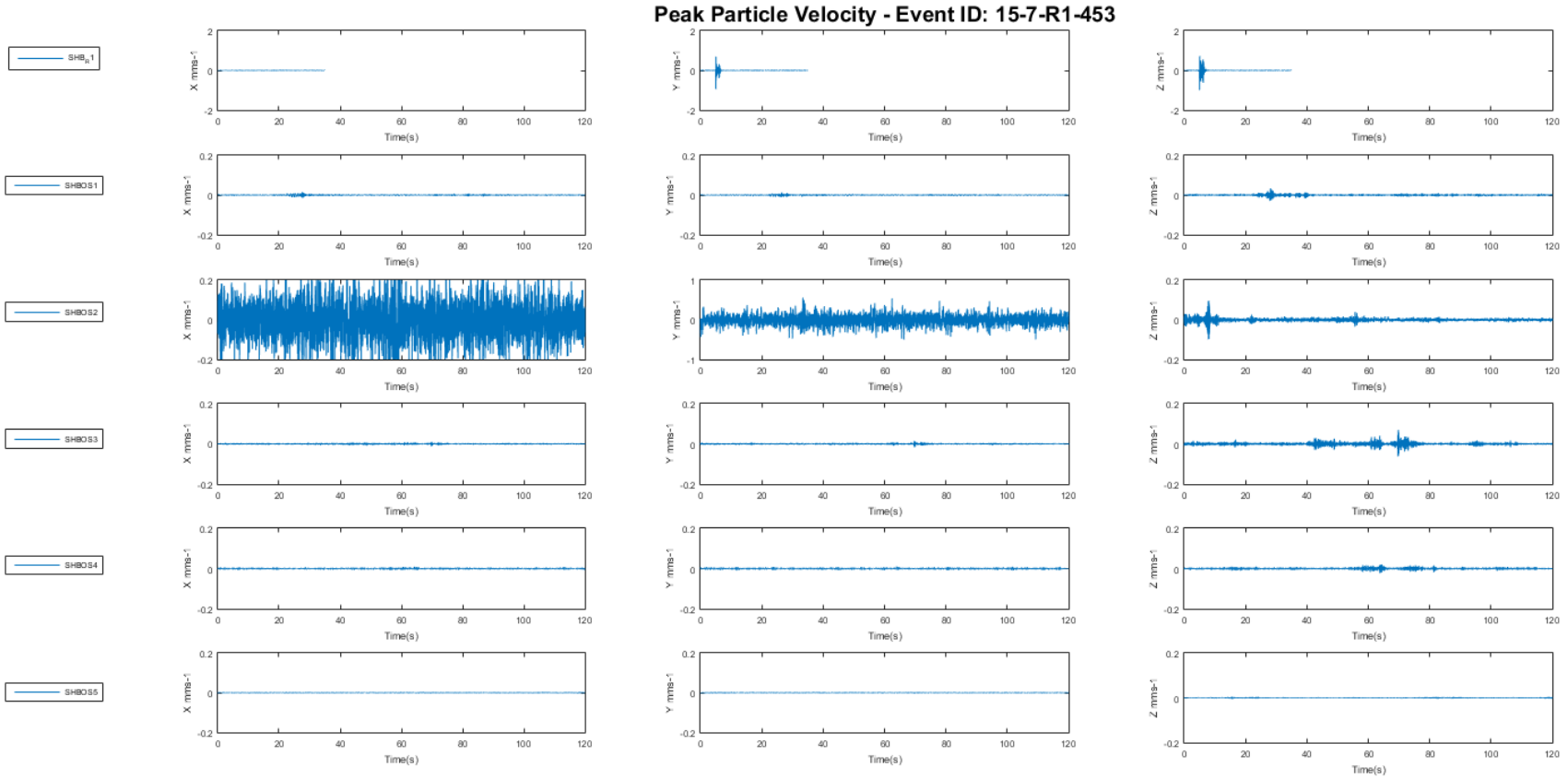
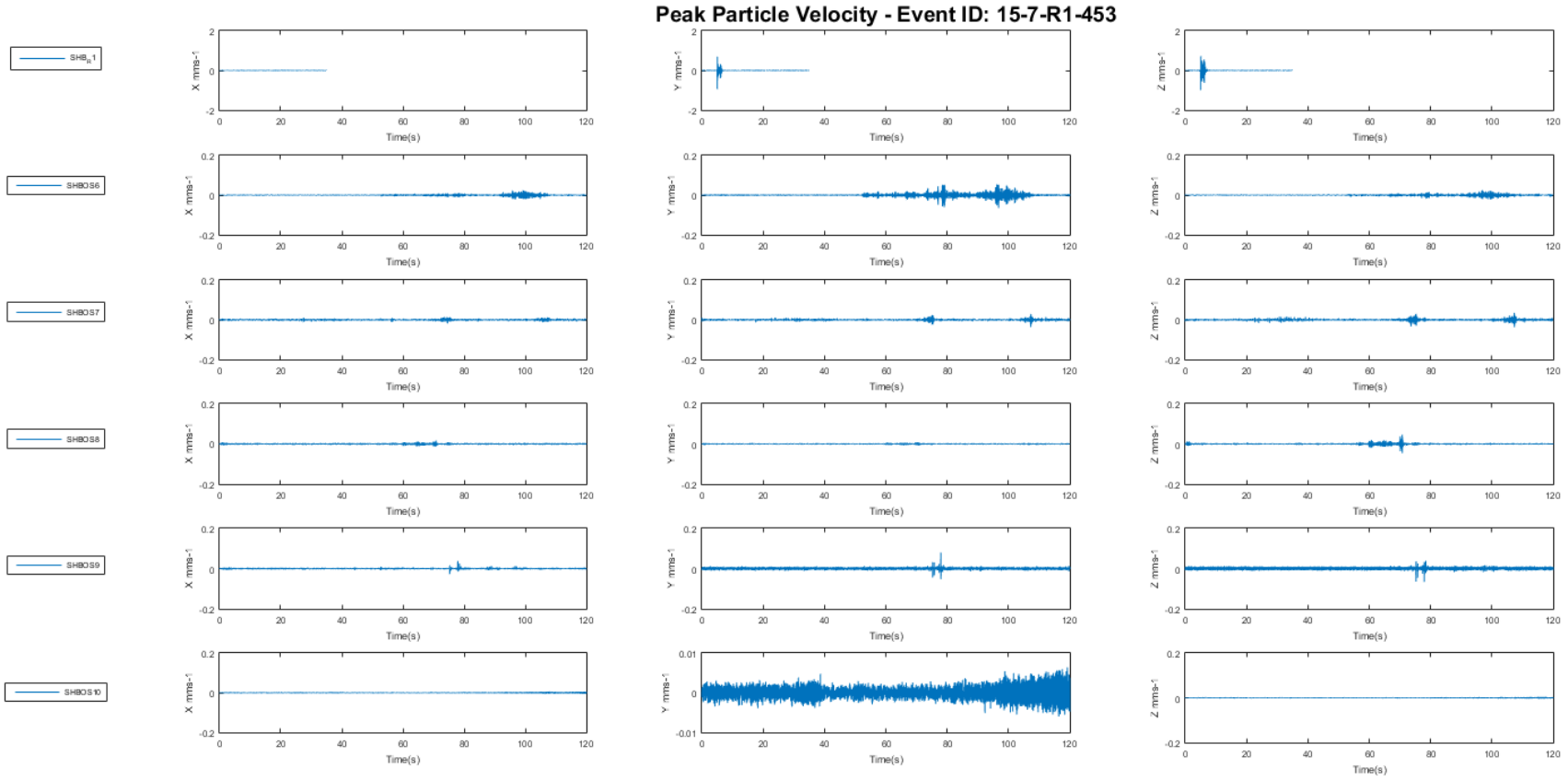


FIGURE 3.838: SHB_OS 1 - 5 15-7-R1-453

FIGURE 3.839: SHB_OS 6 - 10 15-7-R1-453



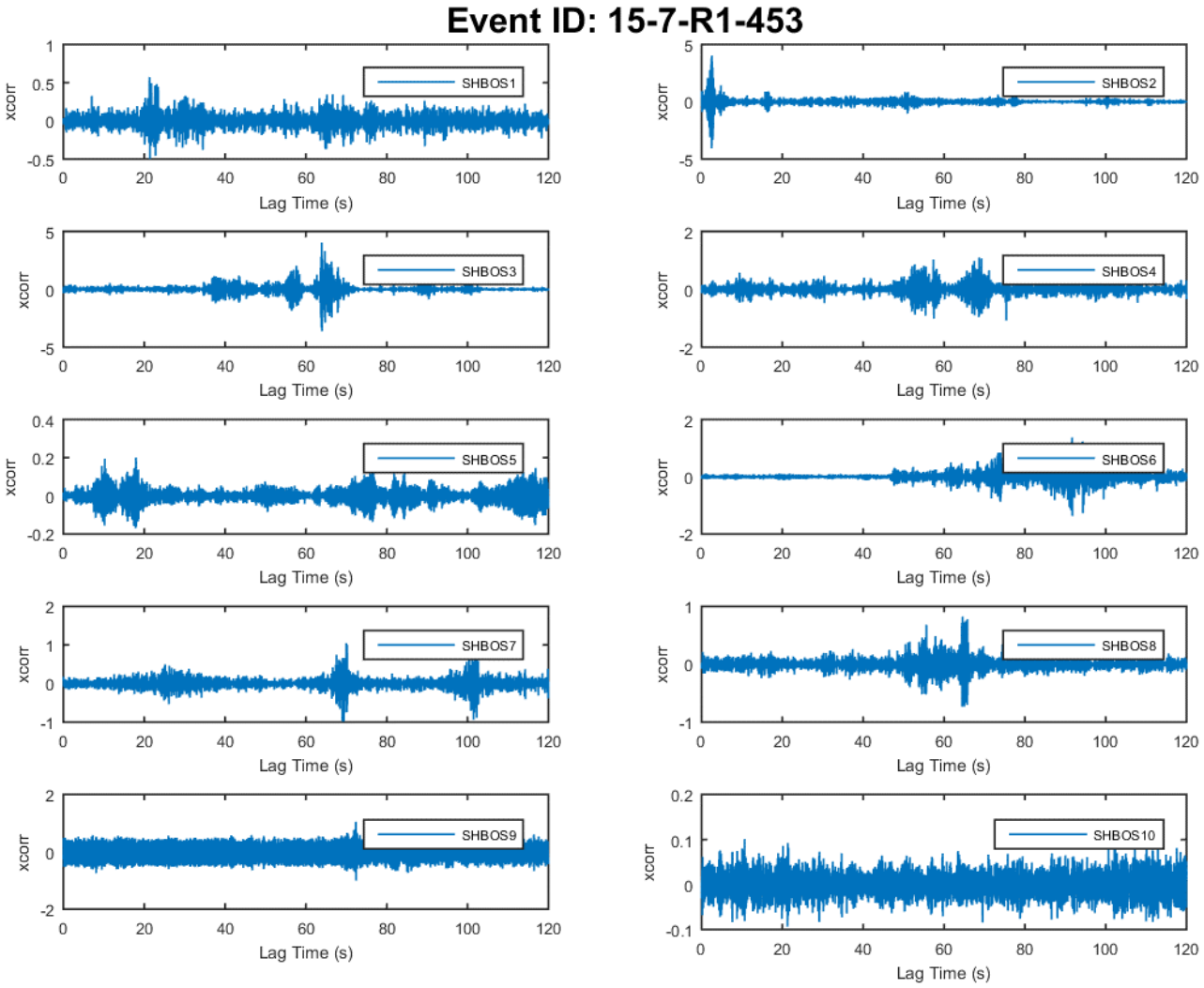


FIGURE 3.840: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-453

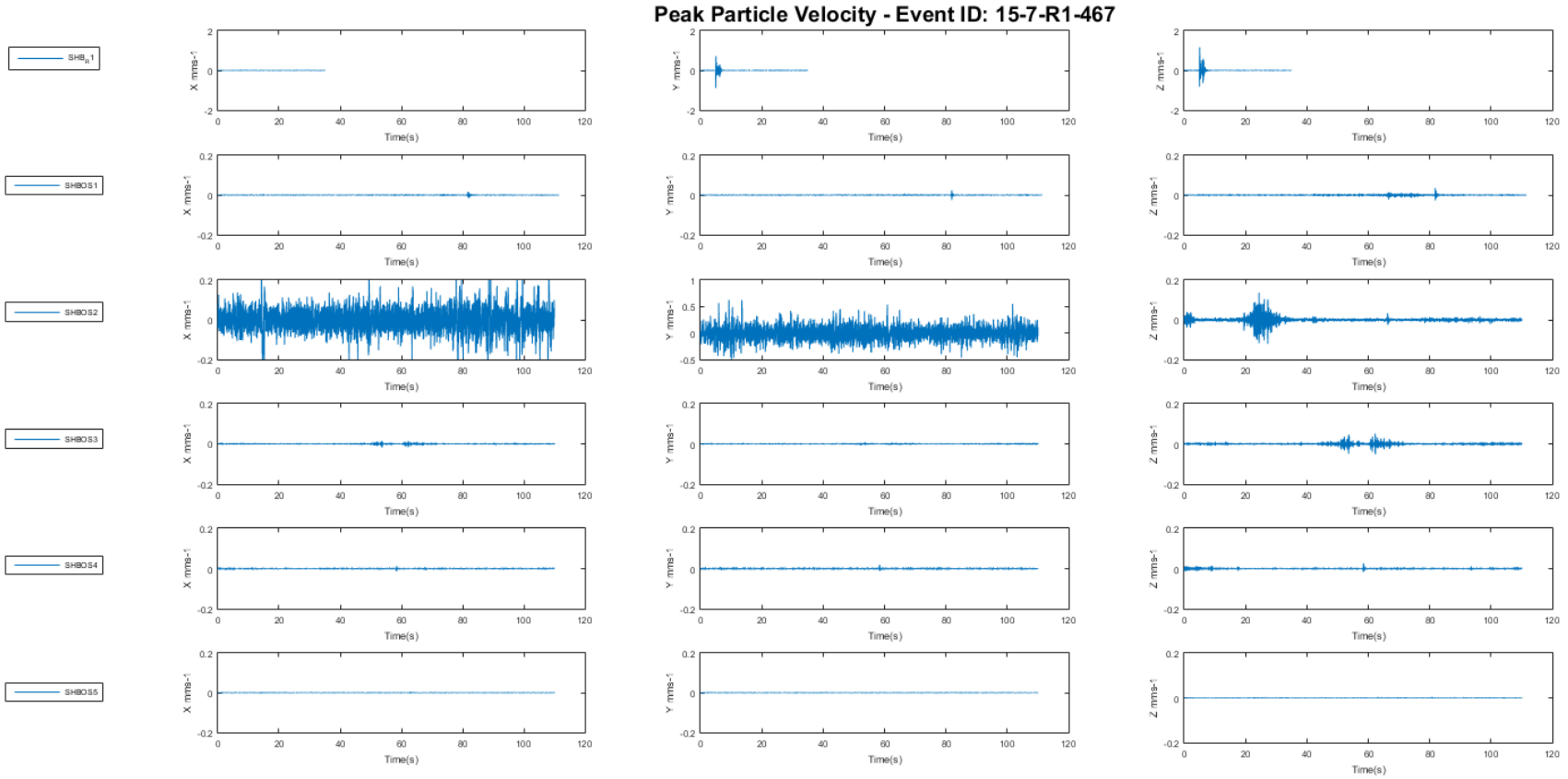
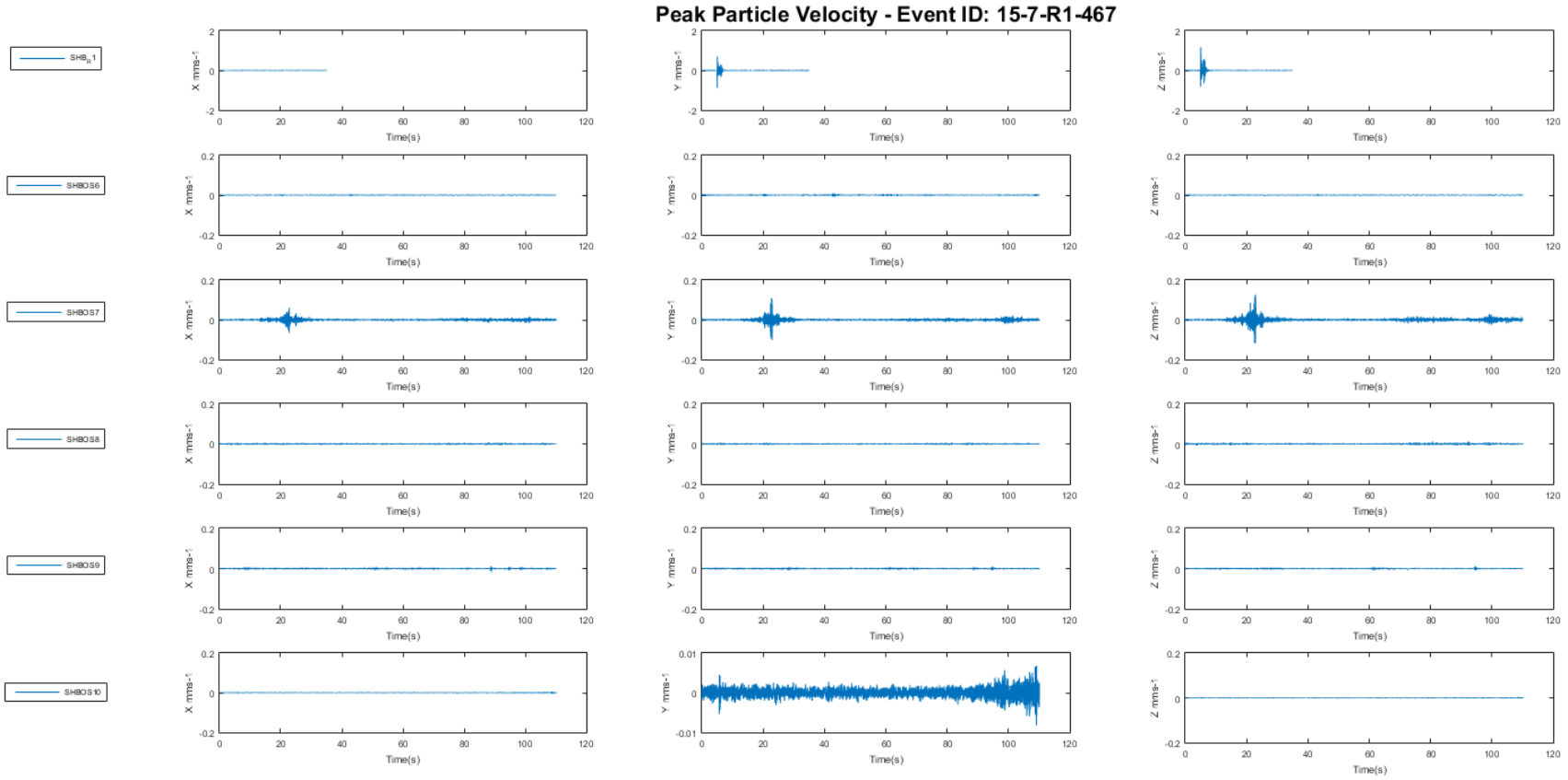


FIGURE 3.841: SHB_OS 1 - 5 15-7-R1-467

FIGURE 3.842: SHB_OS 6 - 10 15-7-R1-467



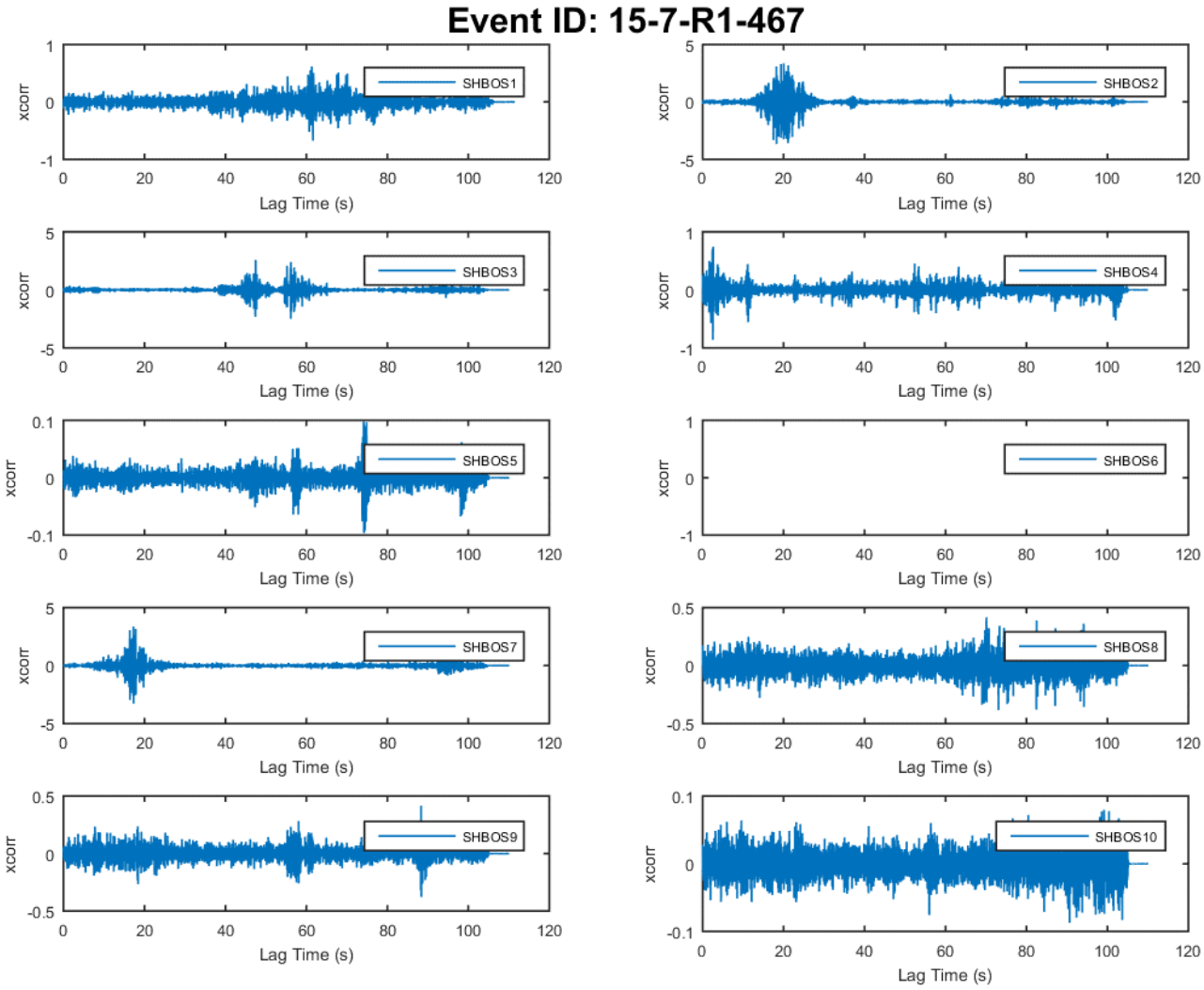


FIGURE 3.843: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-467

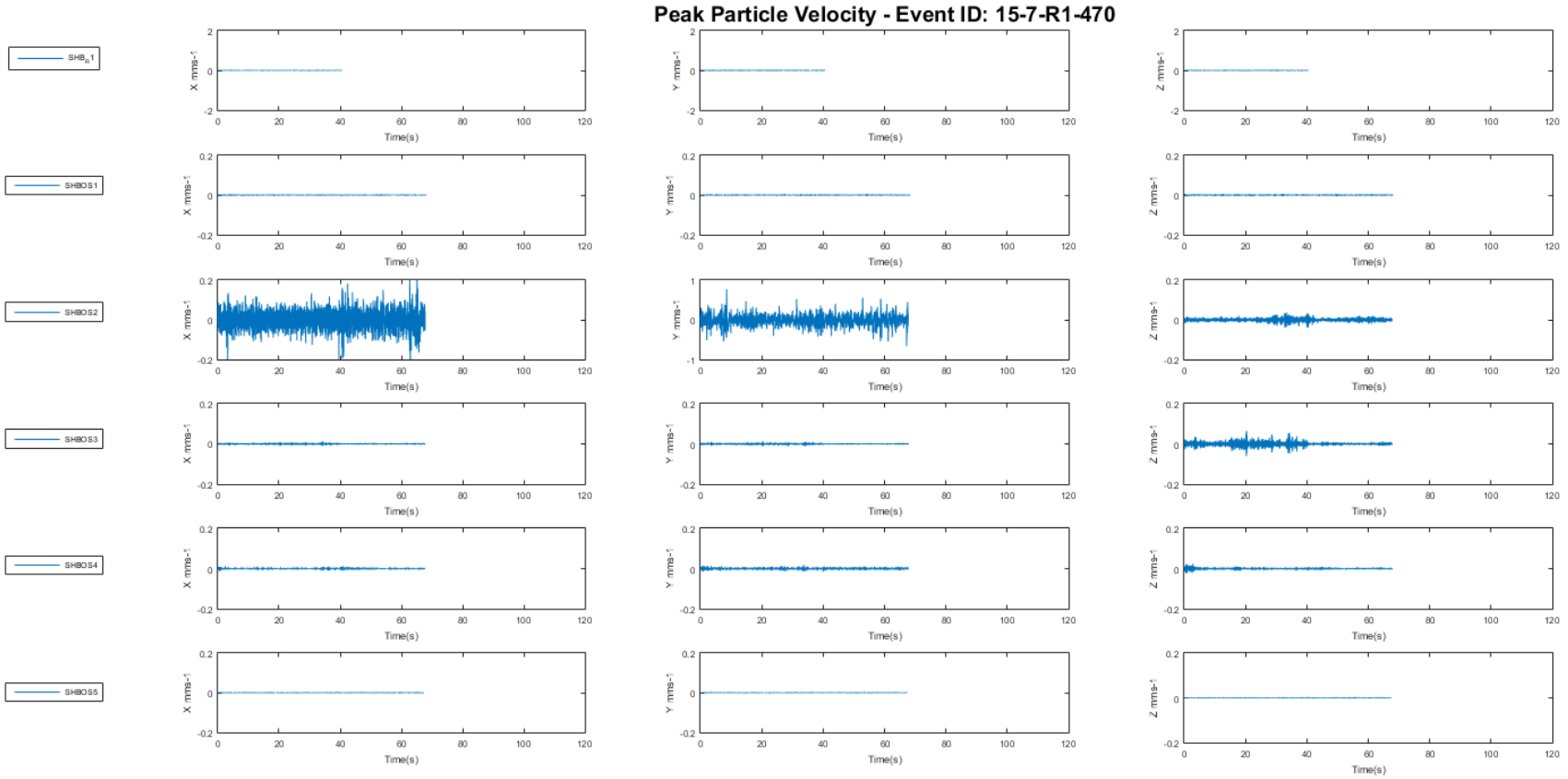
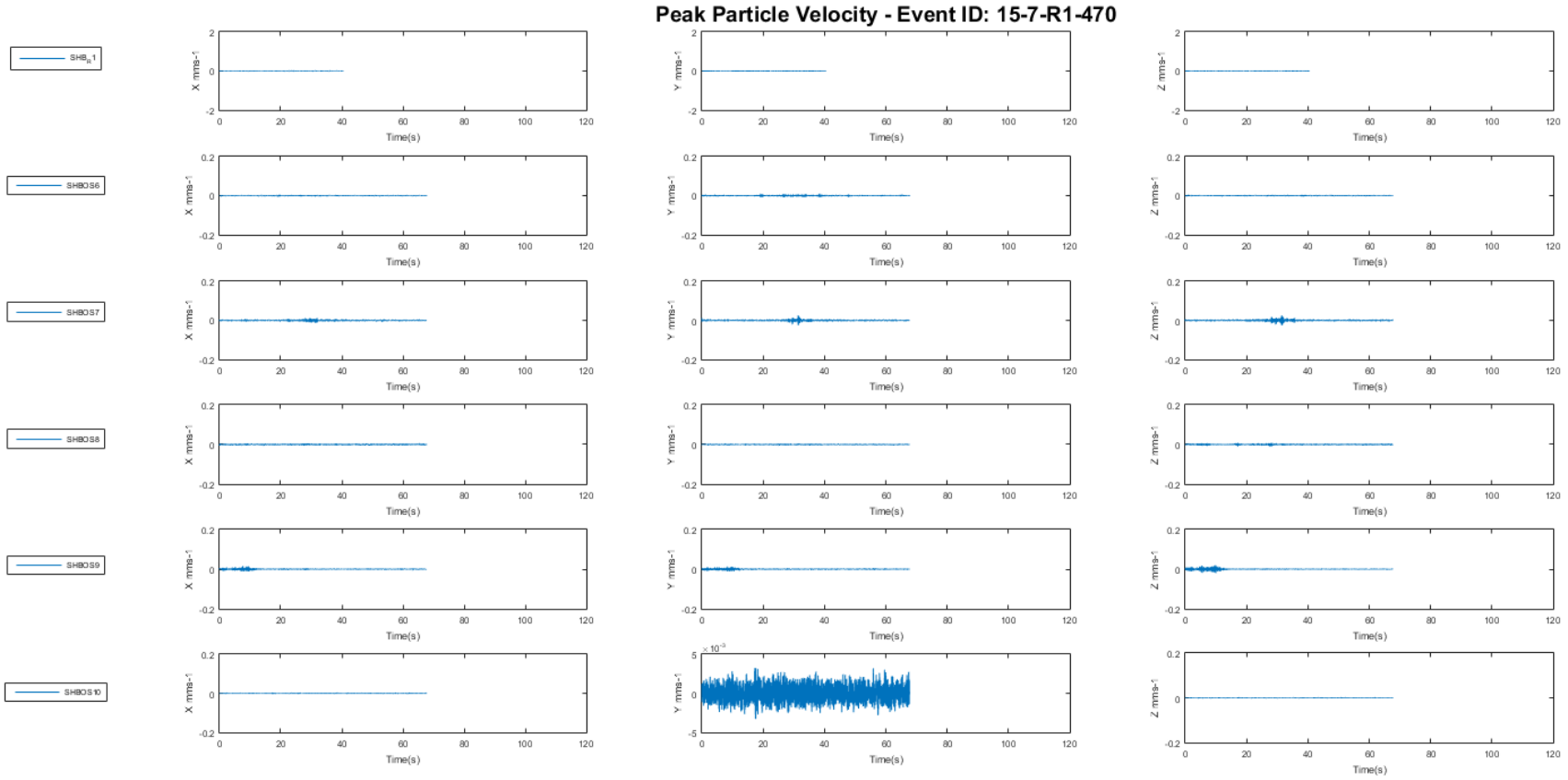


FIGURE 3.844: SHB_OS 1 - 5 15-7-R1-470

FIGURE 3.845: SHB_OS 6 - 10 15-7-R1-470



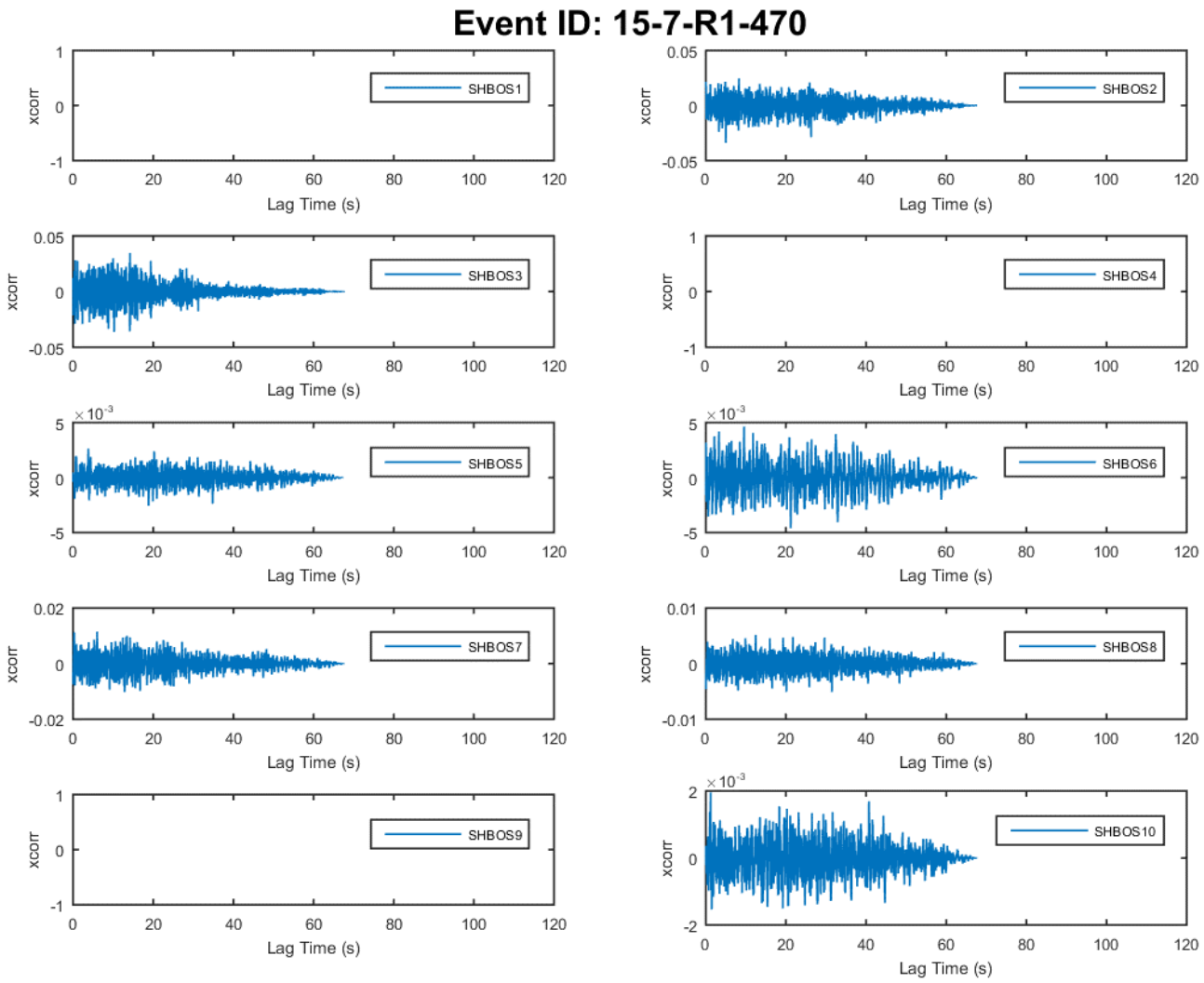


FIGURE 3.846: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-470

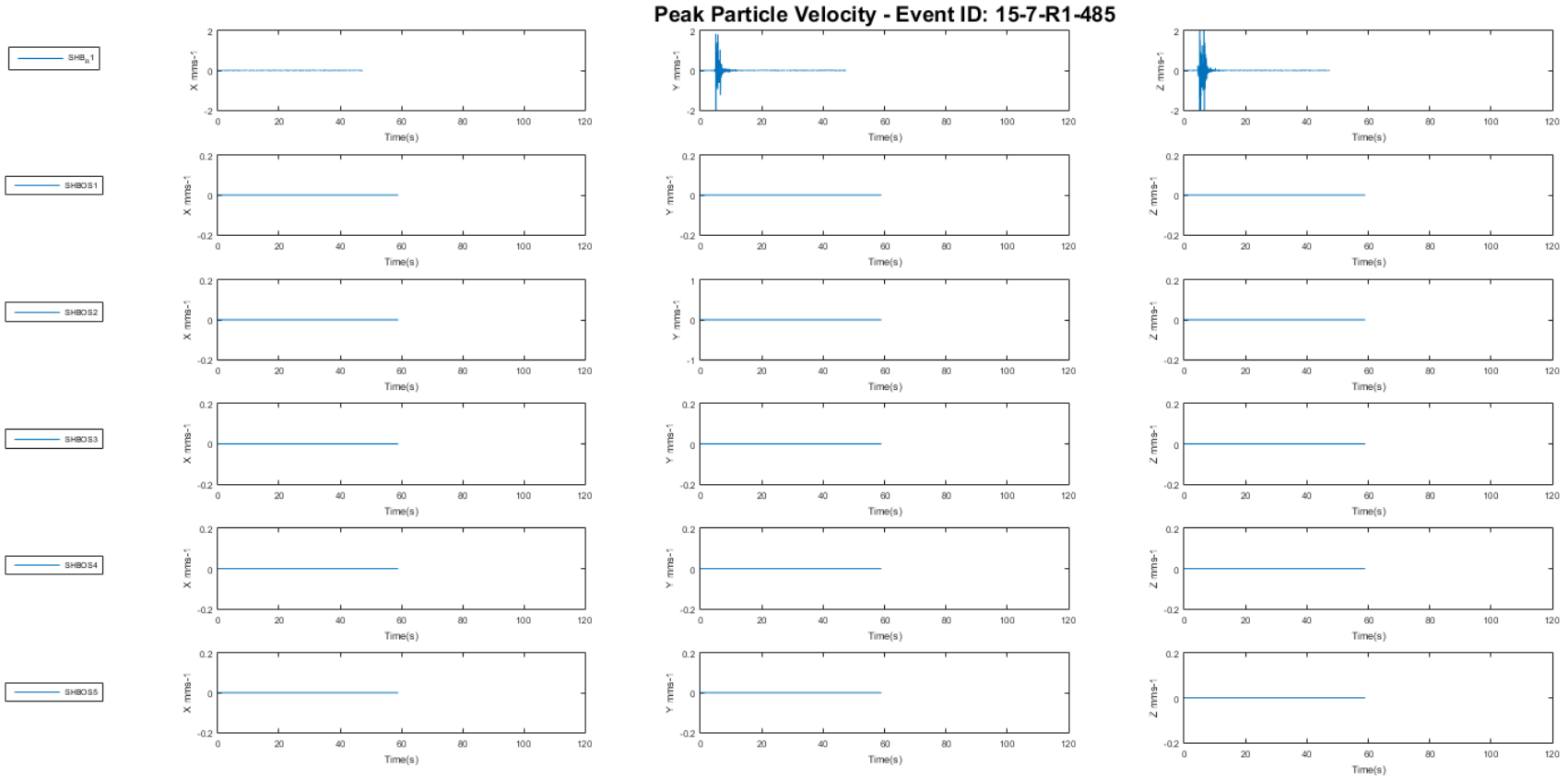
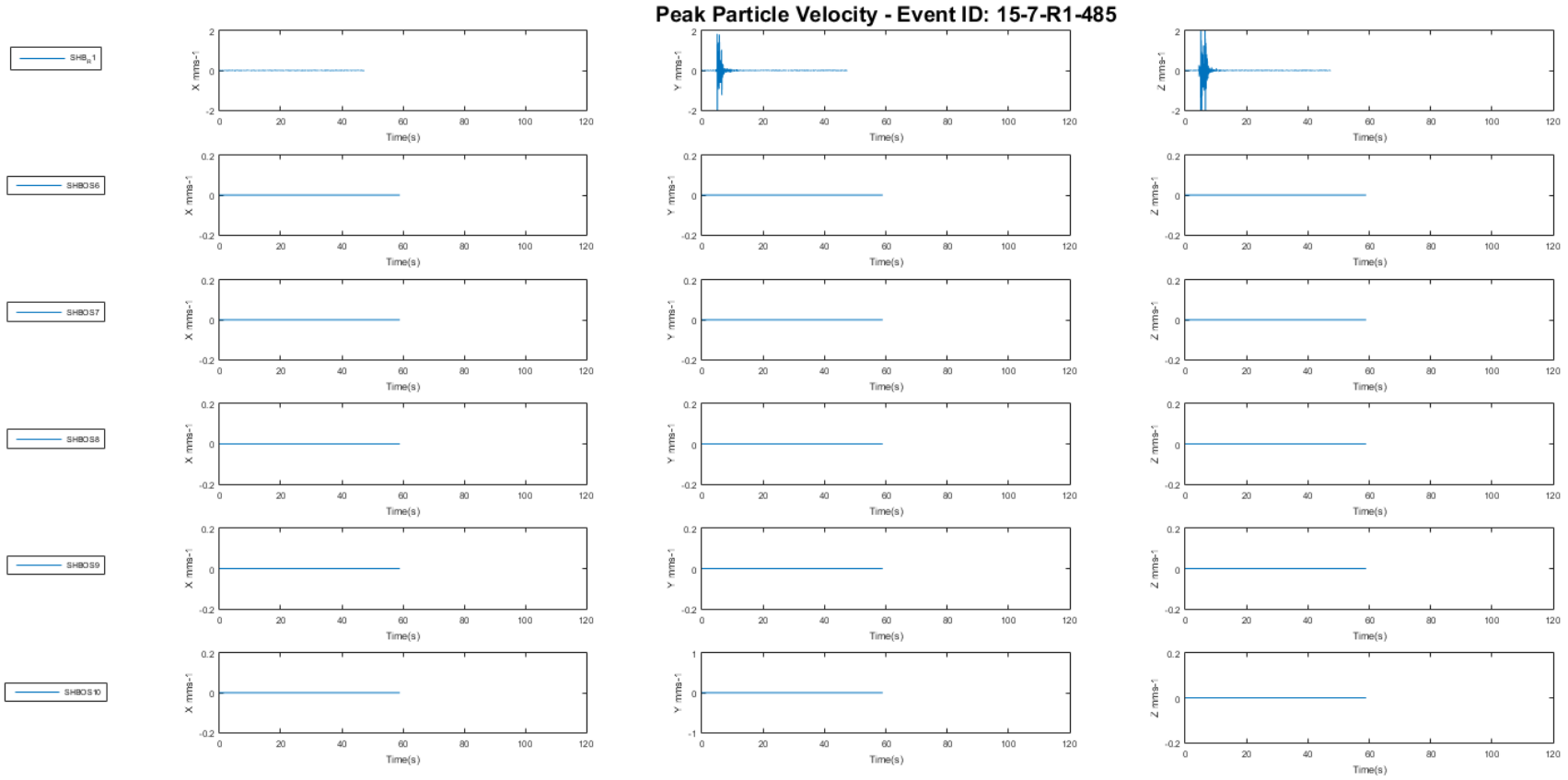


FIGURE 3.847: SHB_OS 1 - 5 15-7-R1-485

FIGURE 3.848: SHB_OS 6 - 10 15-7-R1-485



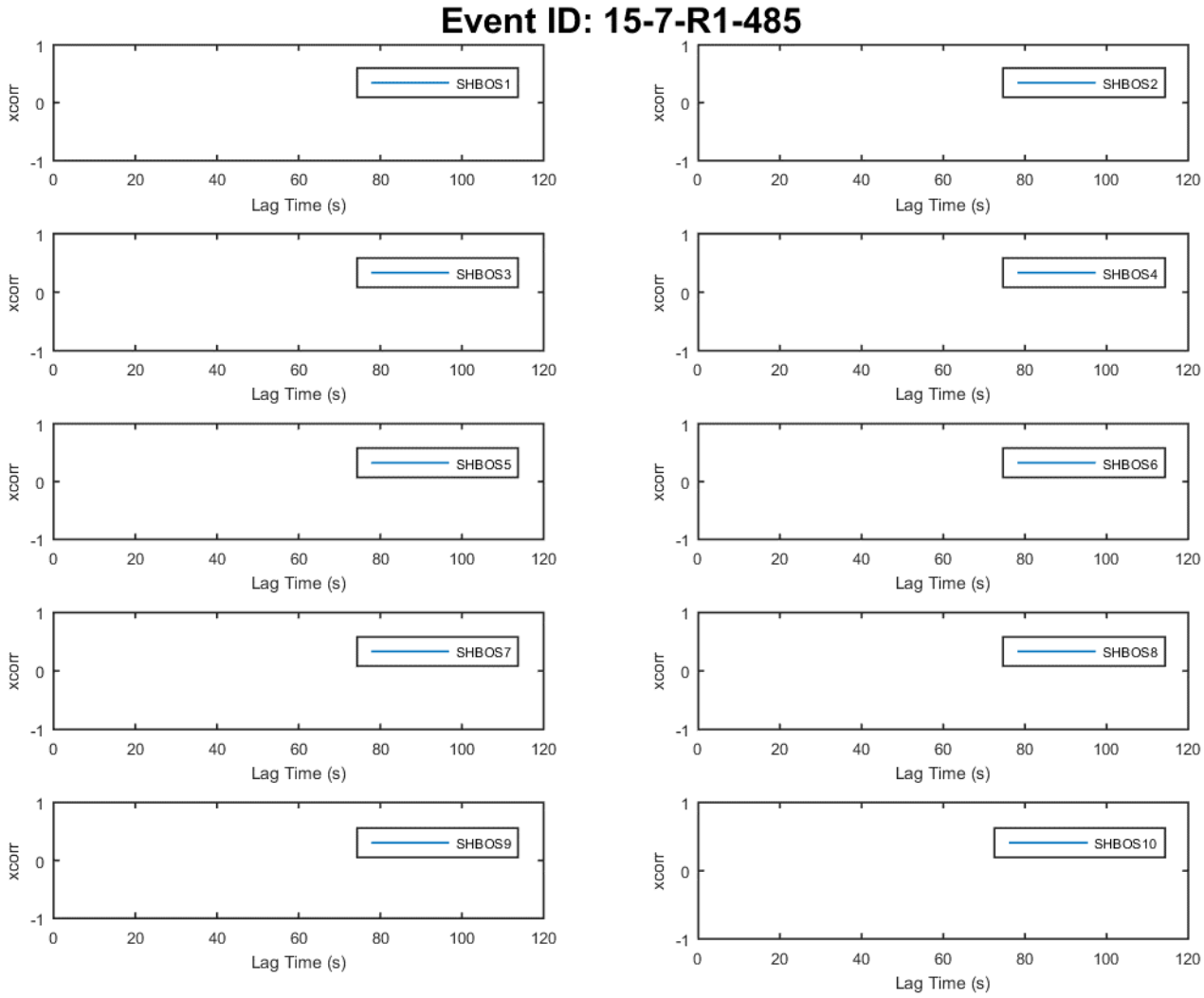


FIGURE 3.849: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-485

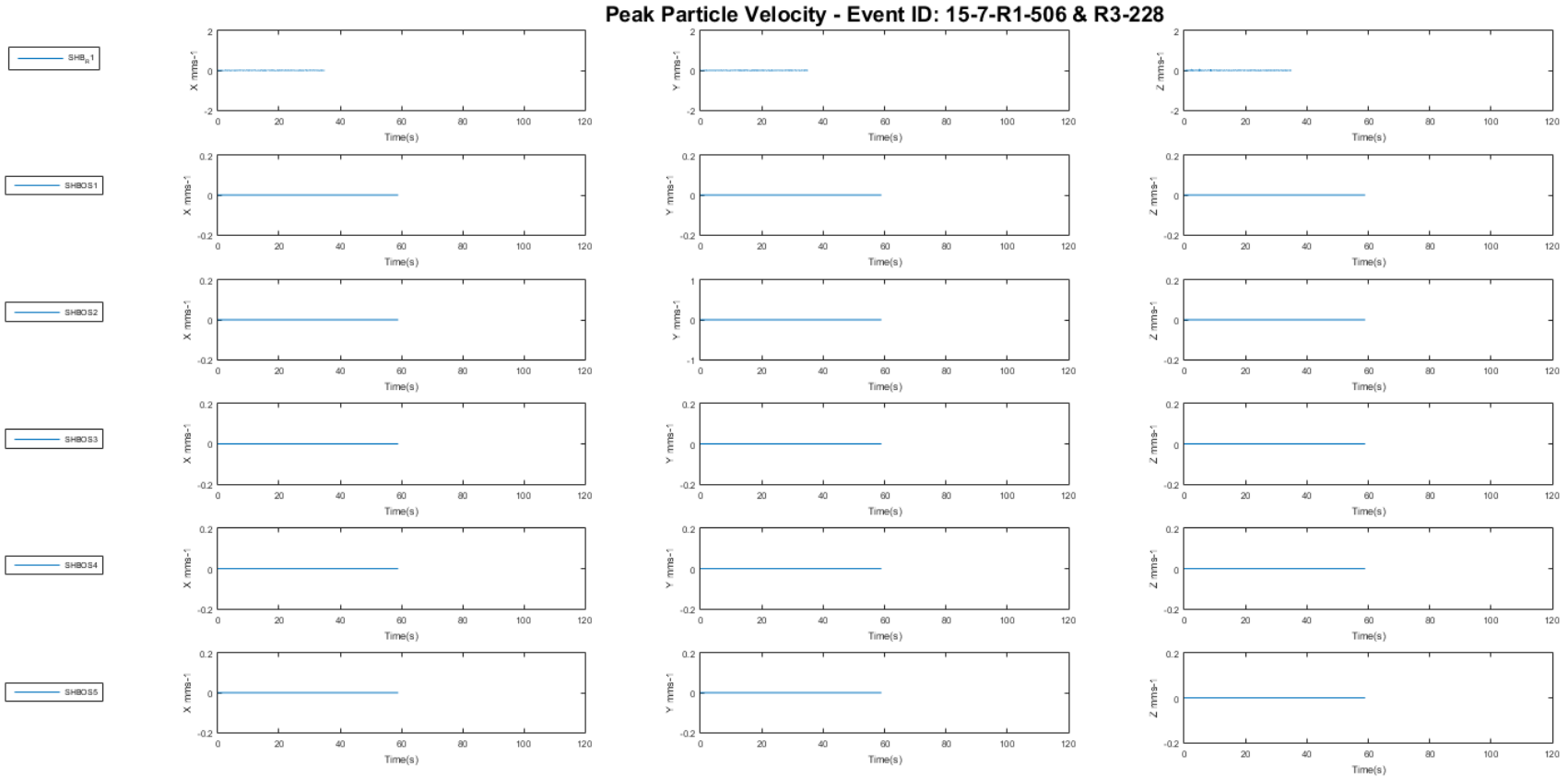
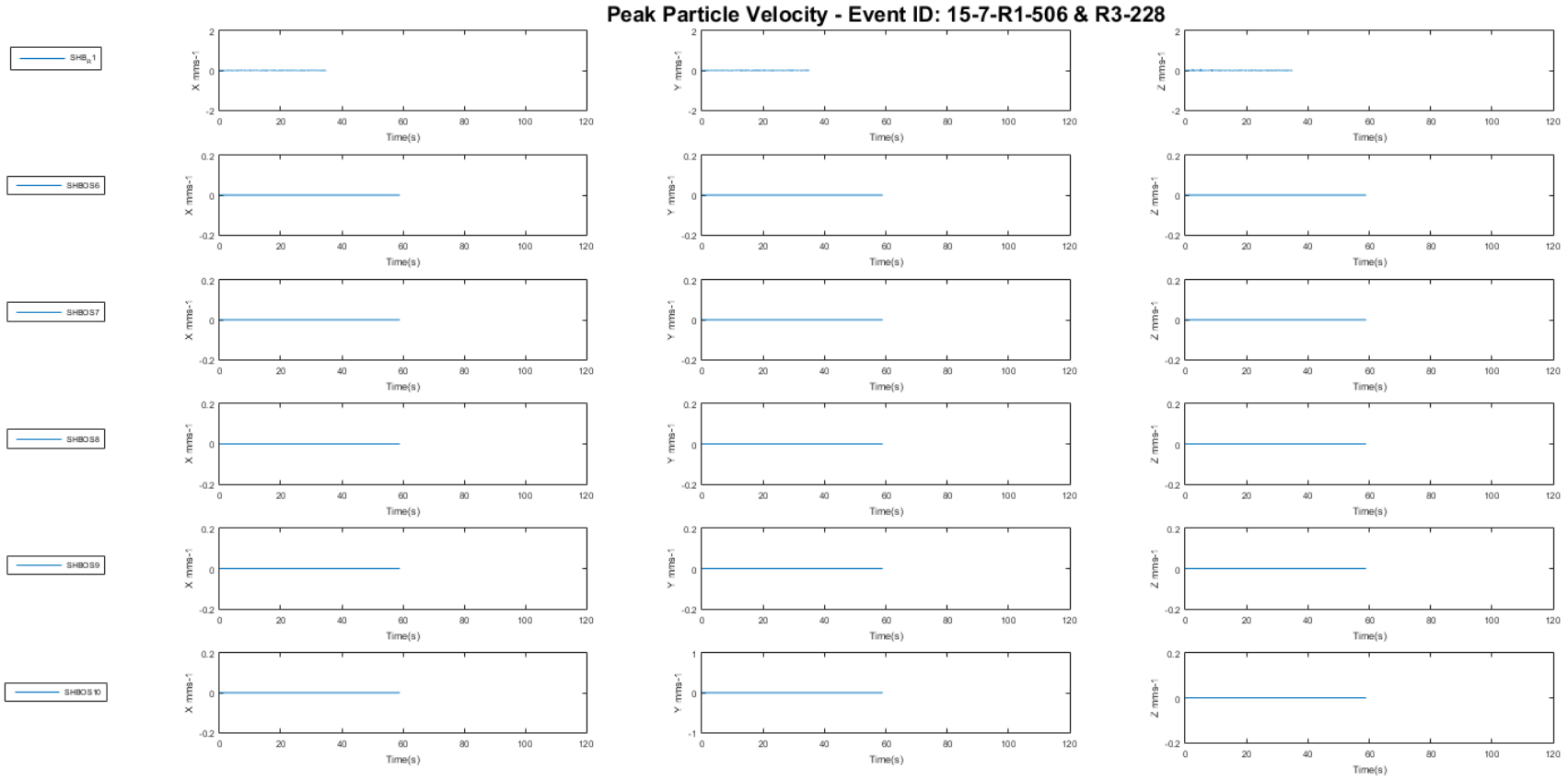


FIGURE 3.850: SHB_OS 1 - 5 15-7-R1-506 & R3-228

FIGURE 3.851: SHB_OS 6 - 10 15-7-R1-506 & R3-228



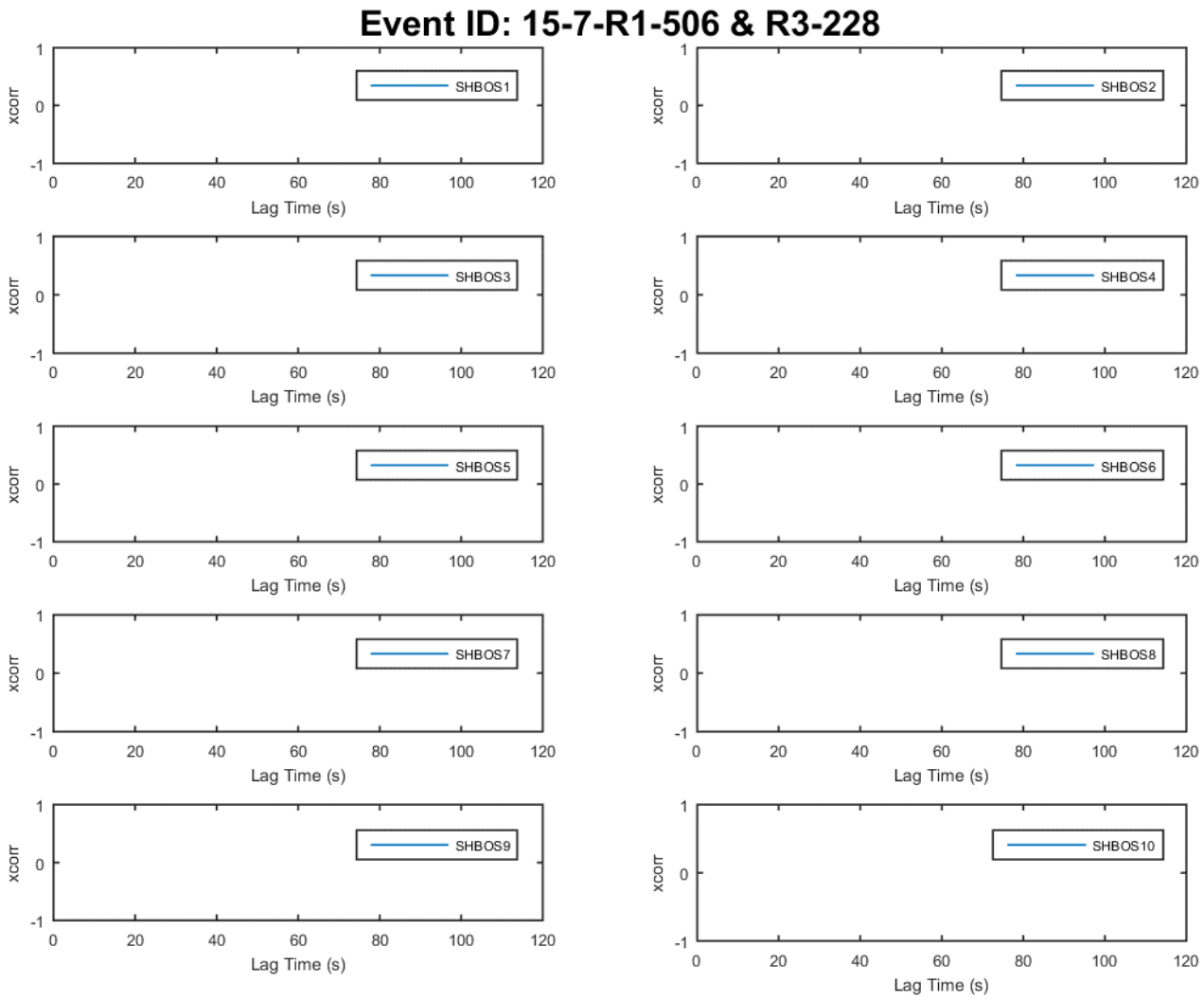


FIGURE 3.852: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-506 & R3-228

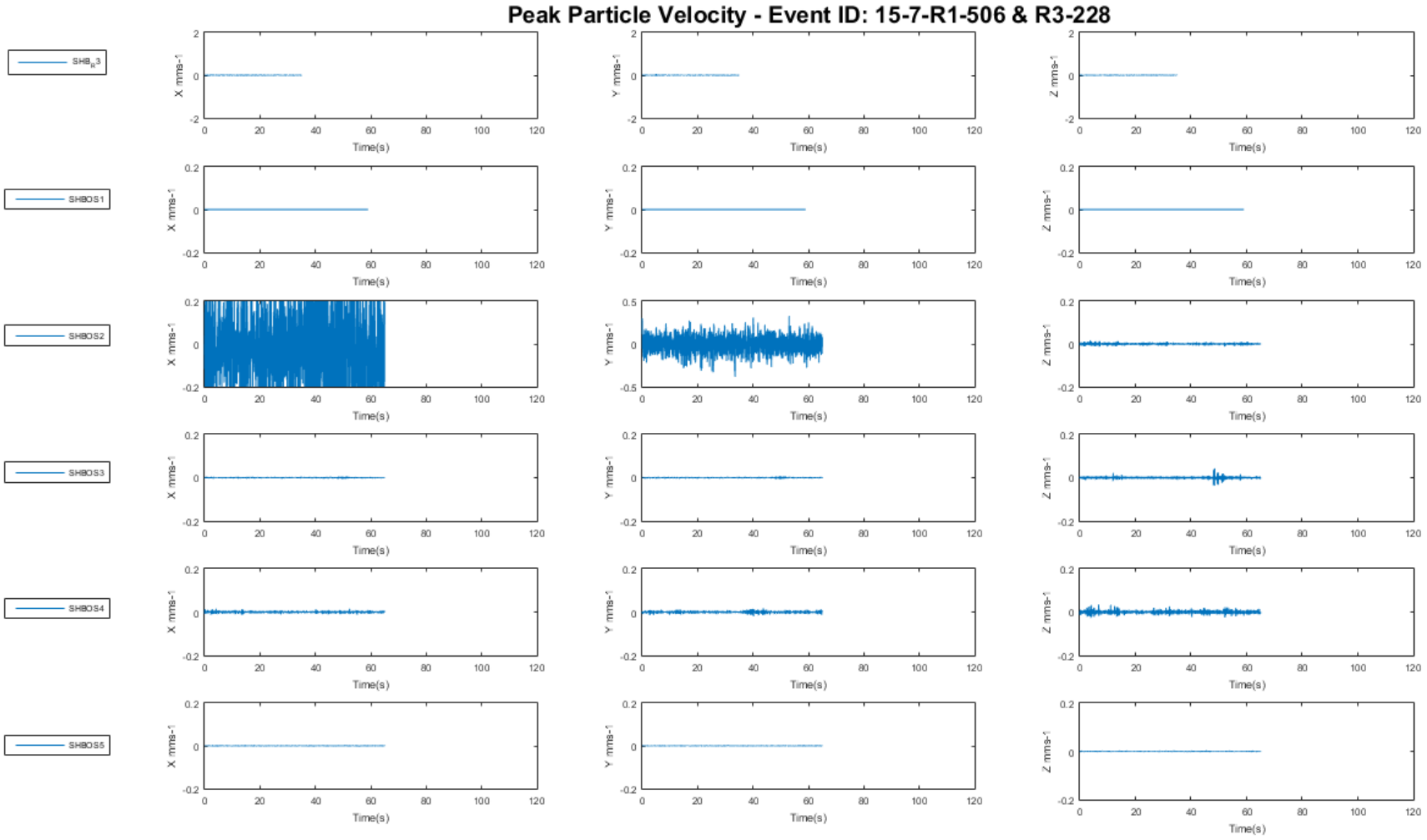


FIGURE 3.853: SHB_OS 1 - 5 15-7-R1-506 & R3-228

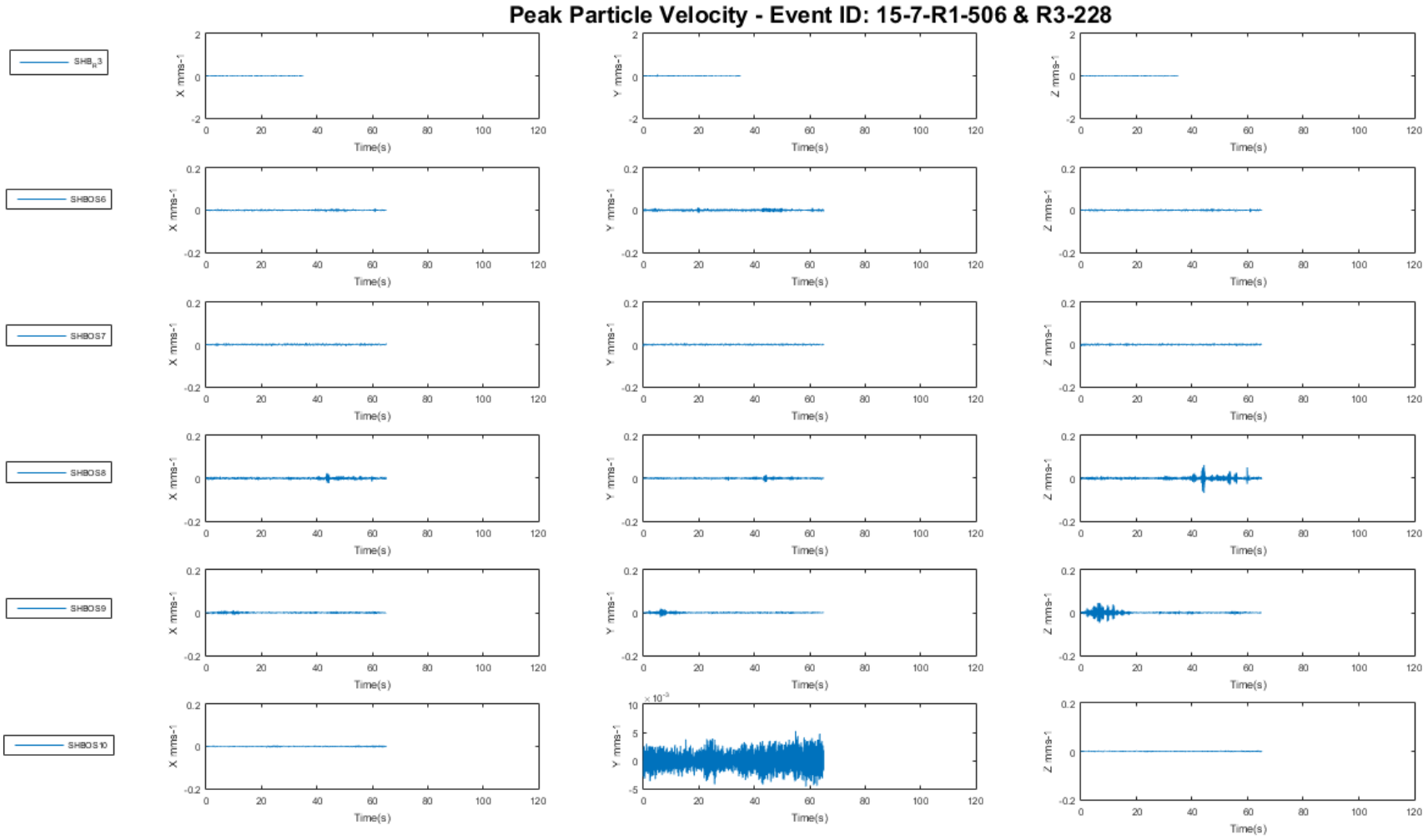


FIGURE 3.854: SHB_OS 6 - 10 15-7-R1-506 & R3-228

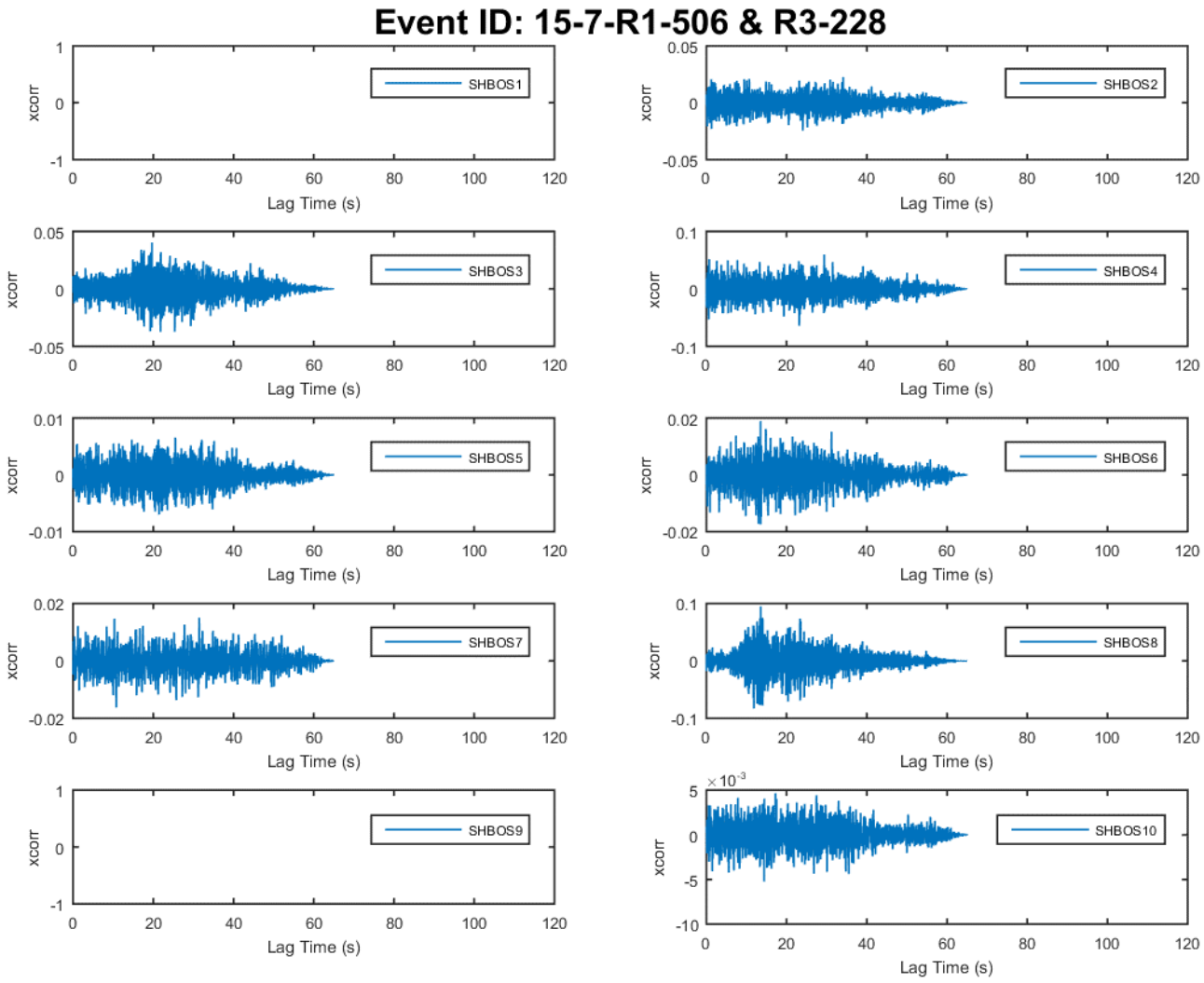


FIGURE 3.855: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-506 & R3-228

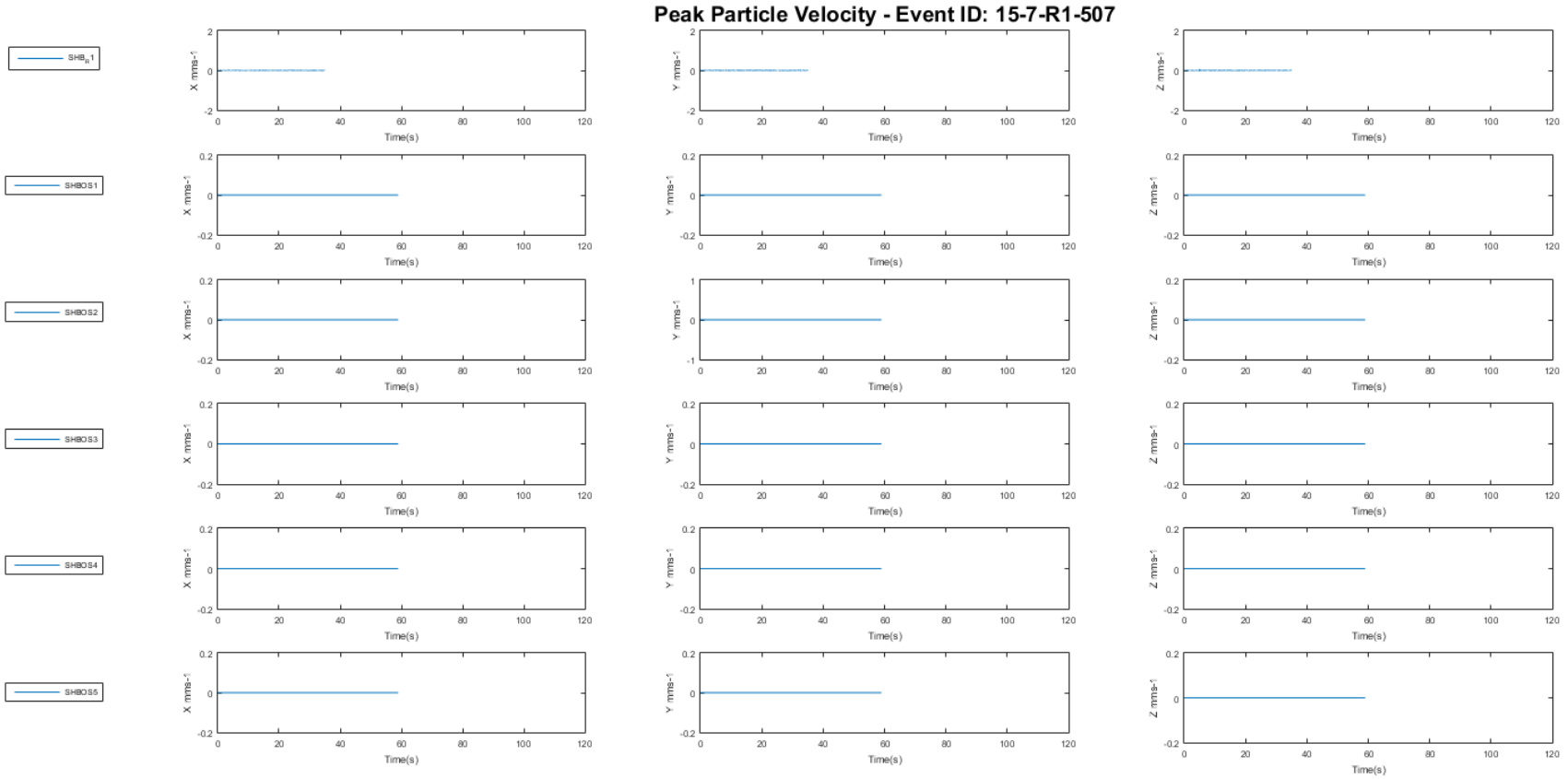
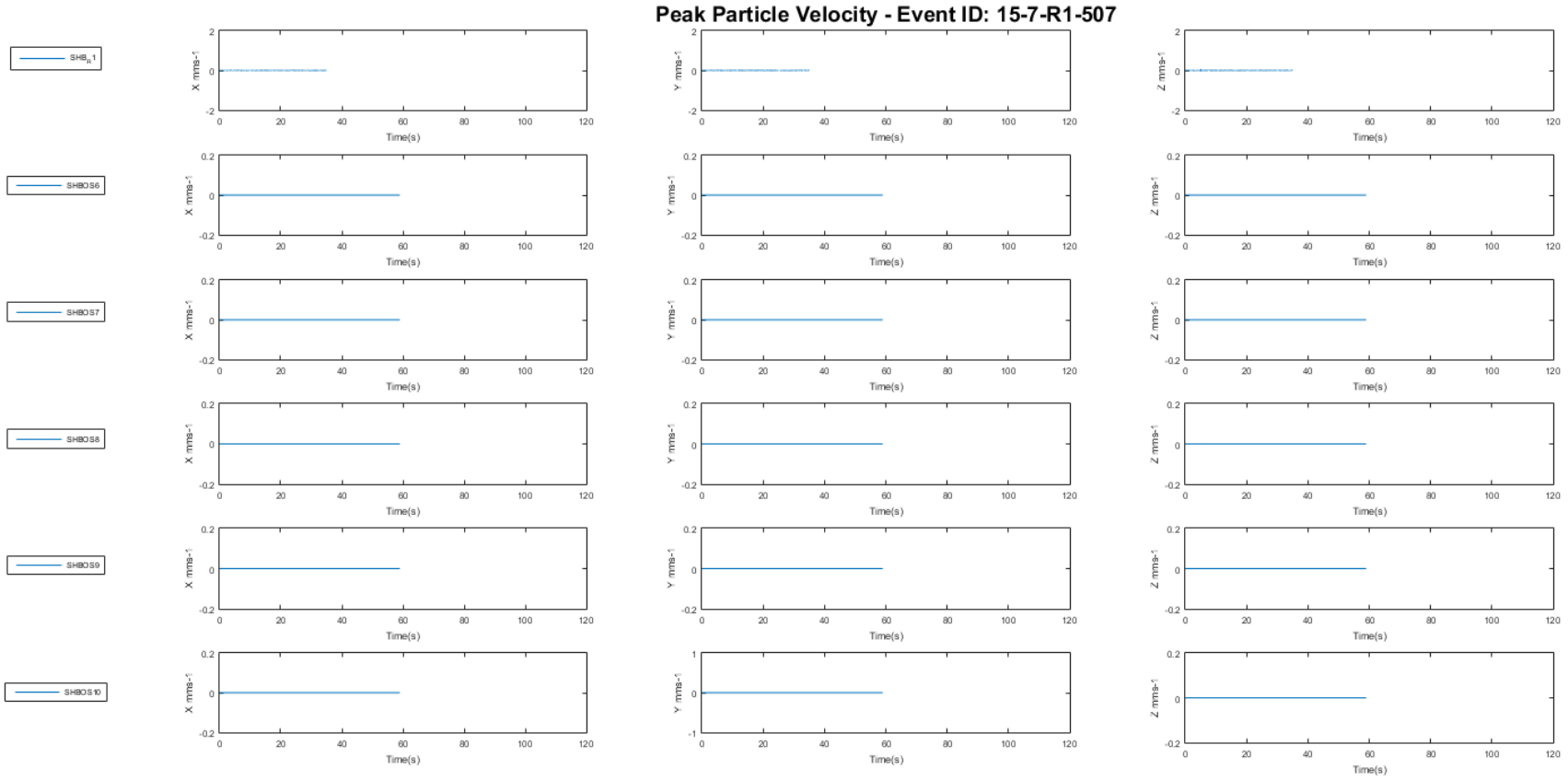


FIGURE 3.856: SHB_OS 1 - 5 15-7-R1-507

FIGURE 3.857: SHB_OS 6 - 10 15-7-R1-507



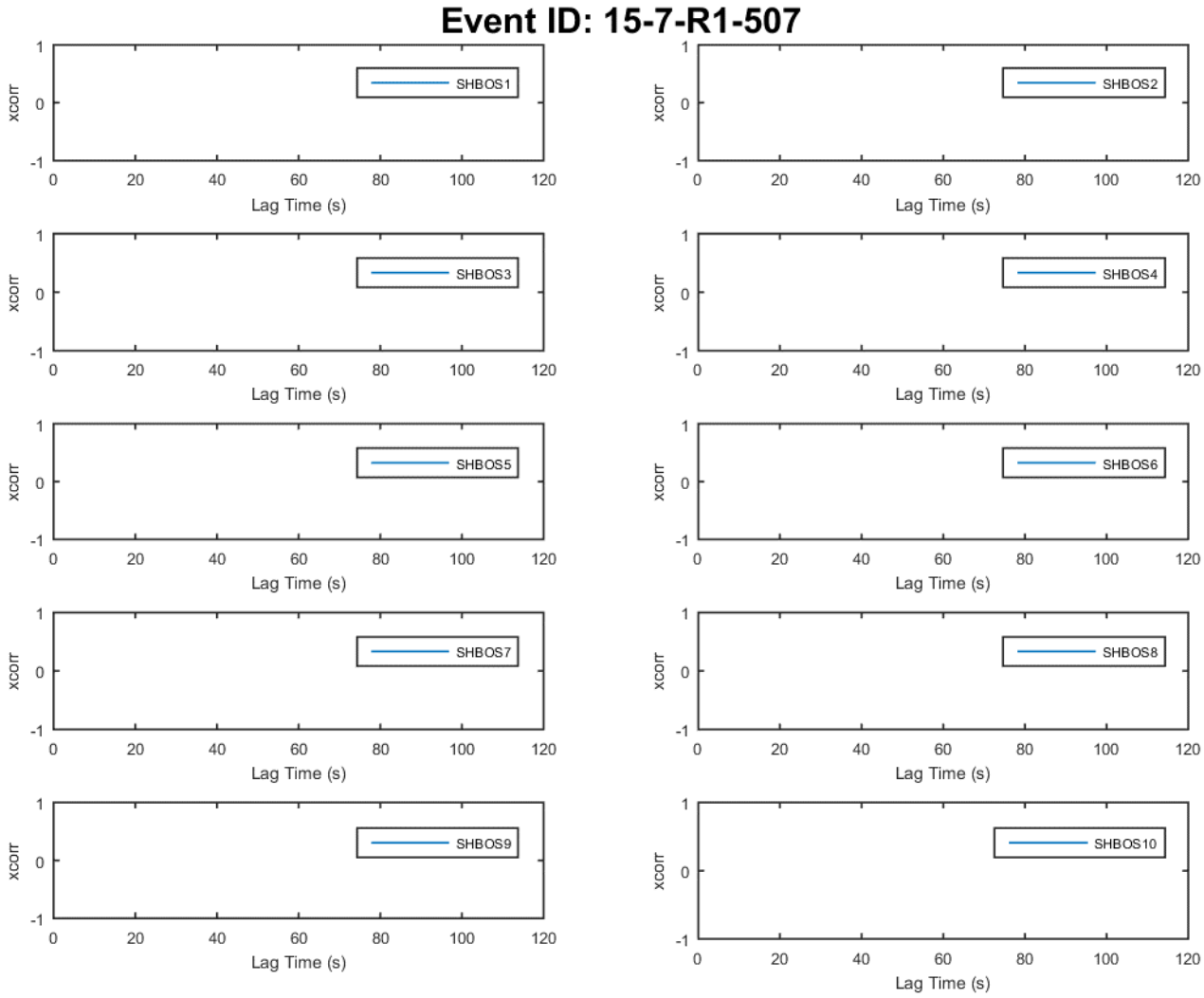


FIGURE 3.858: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-507

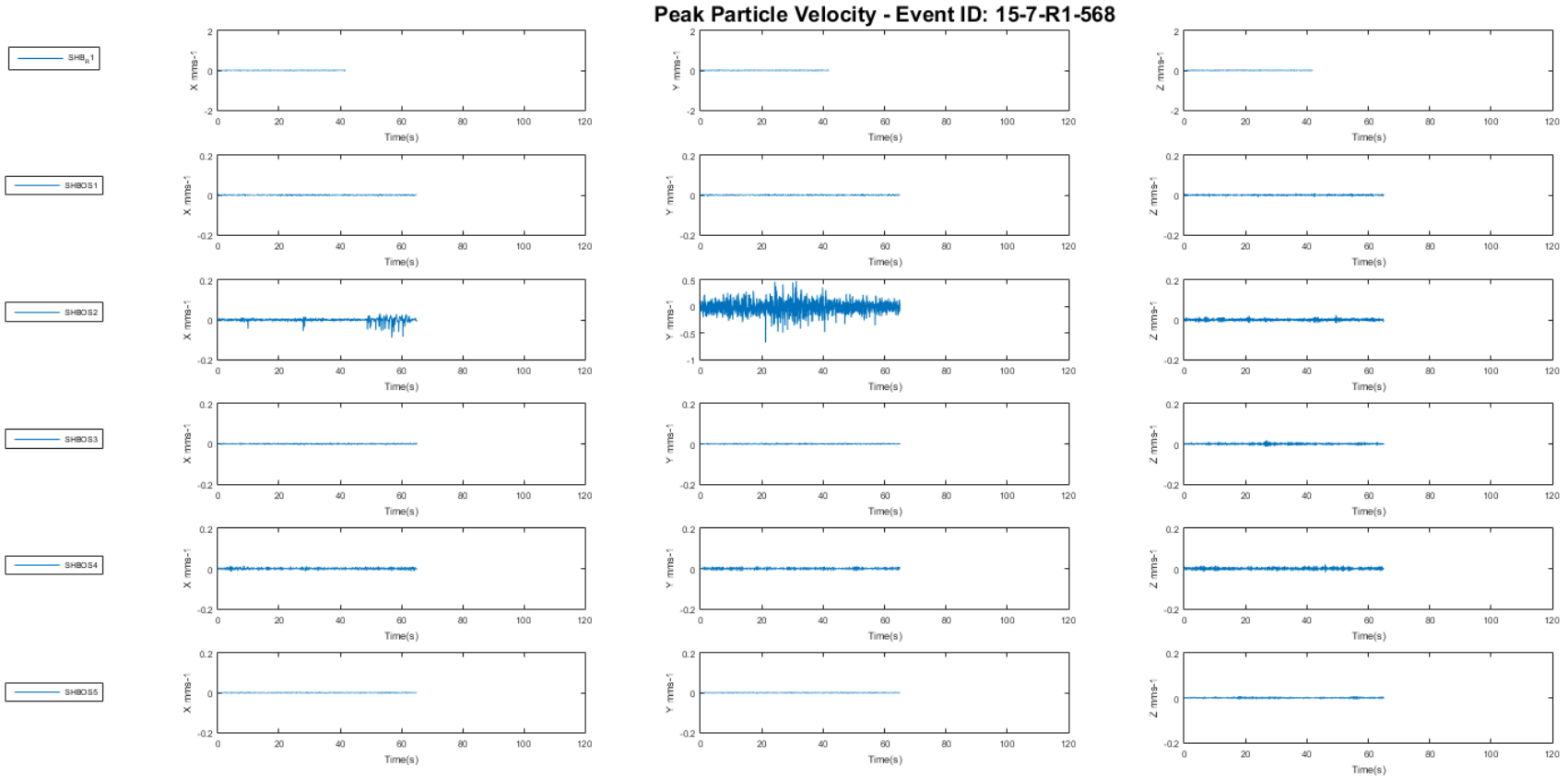
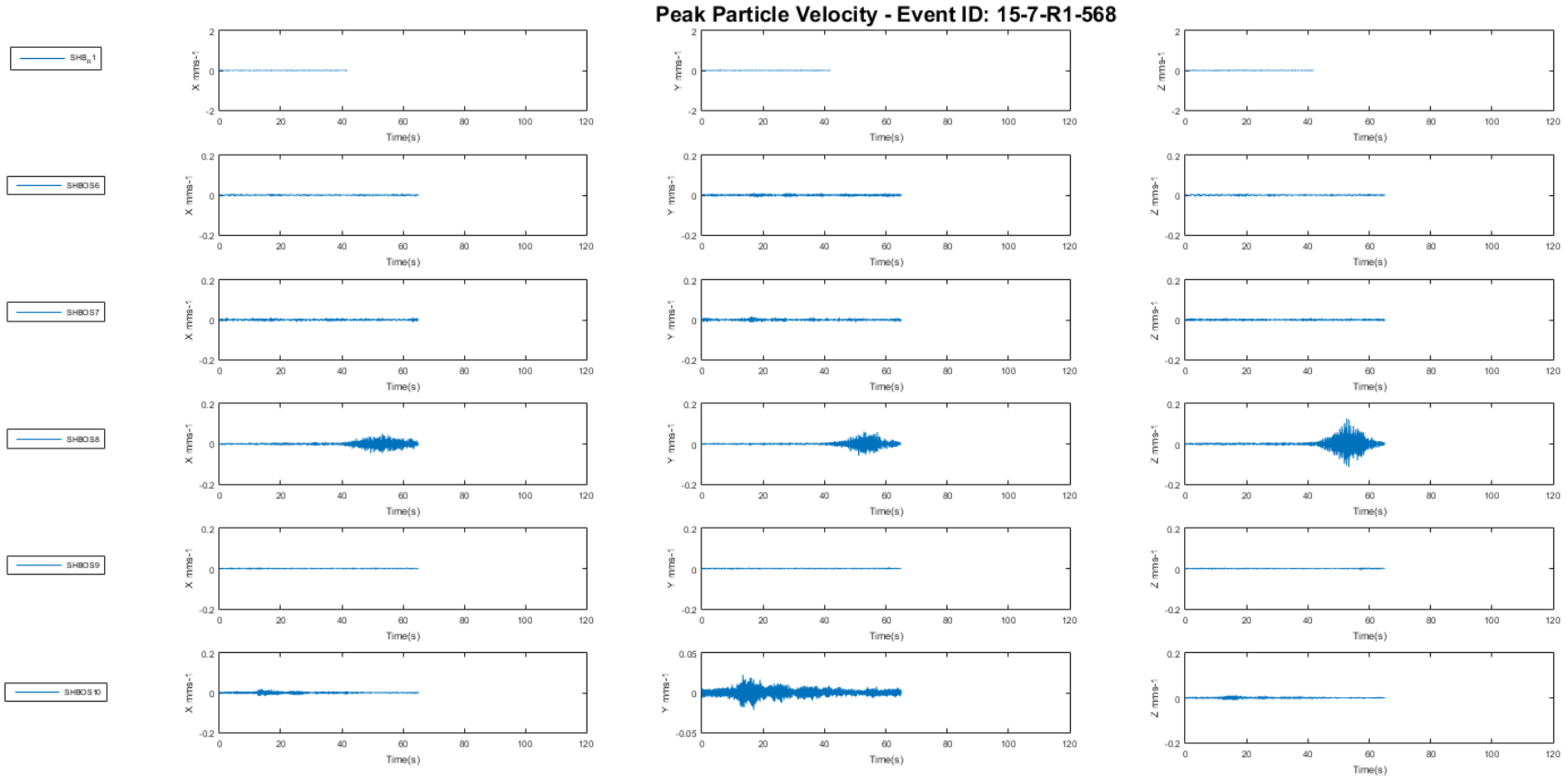


FIGURE 3.859: SHB_OS 1 - 5 15-7-R1-568

FIGURE 3.860: SHB_OS 6 - 10 15-7-R1-568



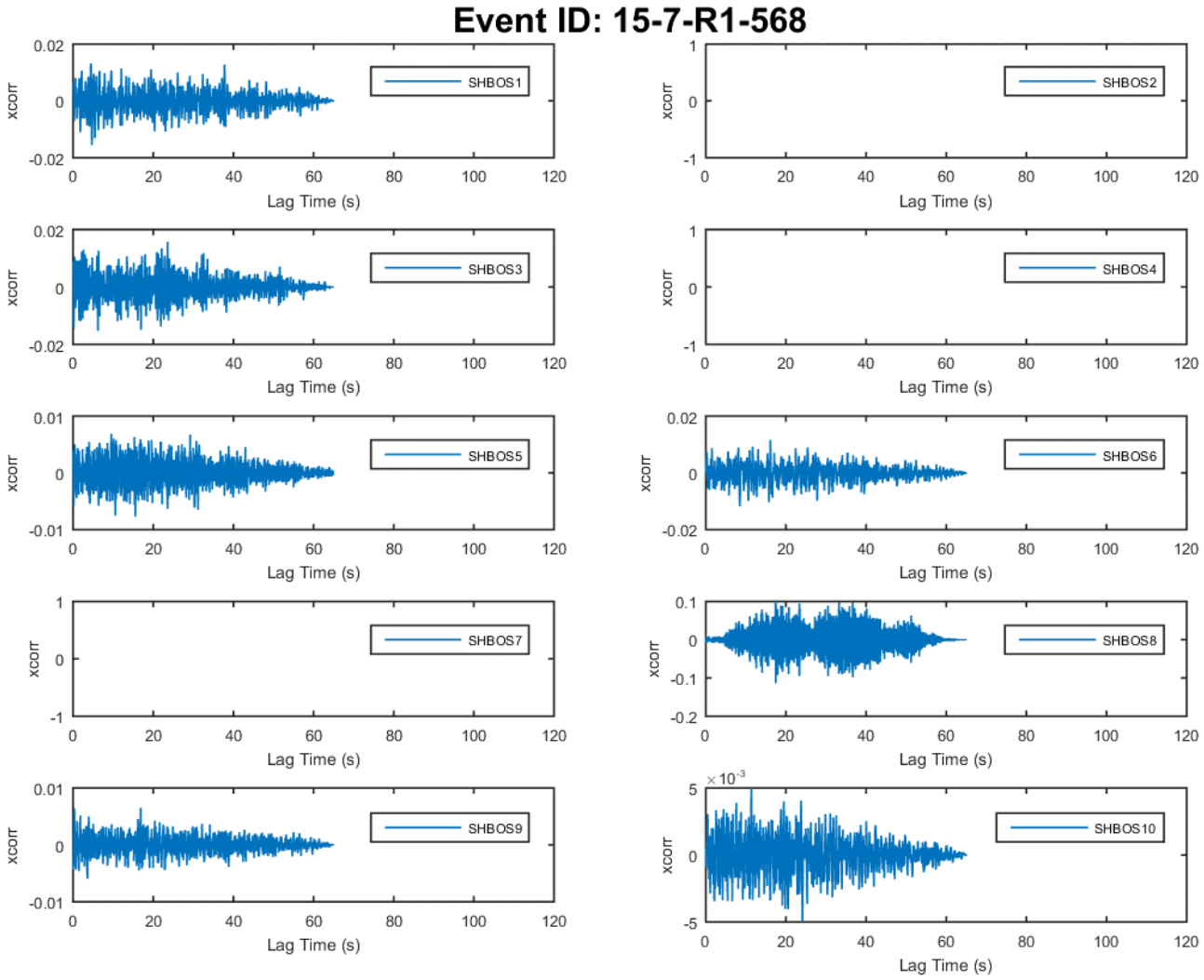


FIGURE 3.861: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-568

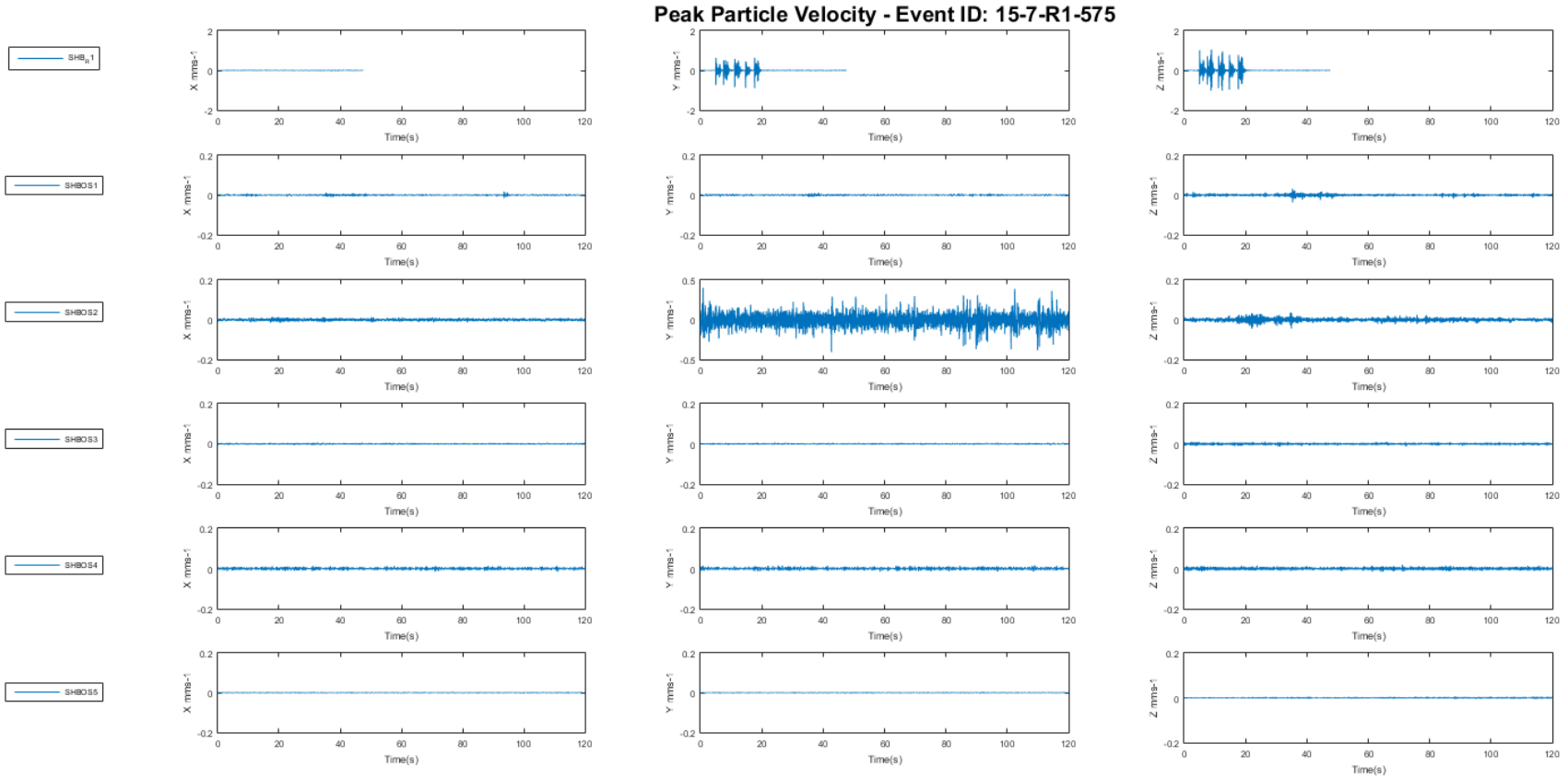
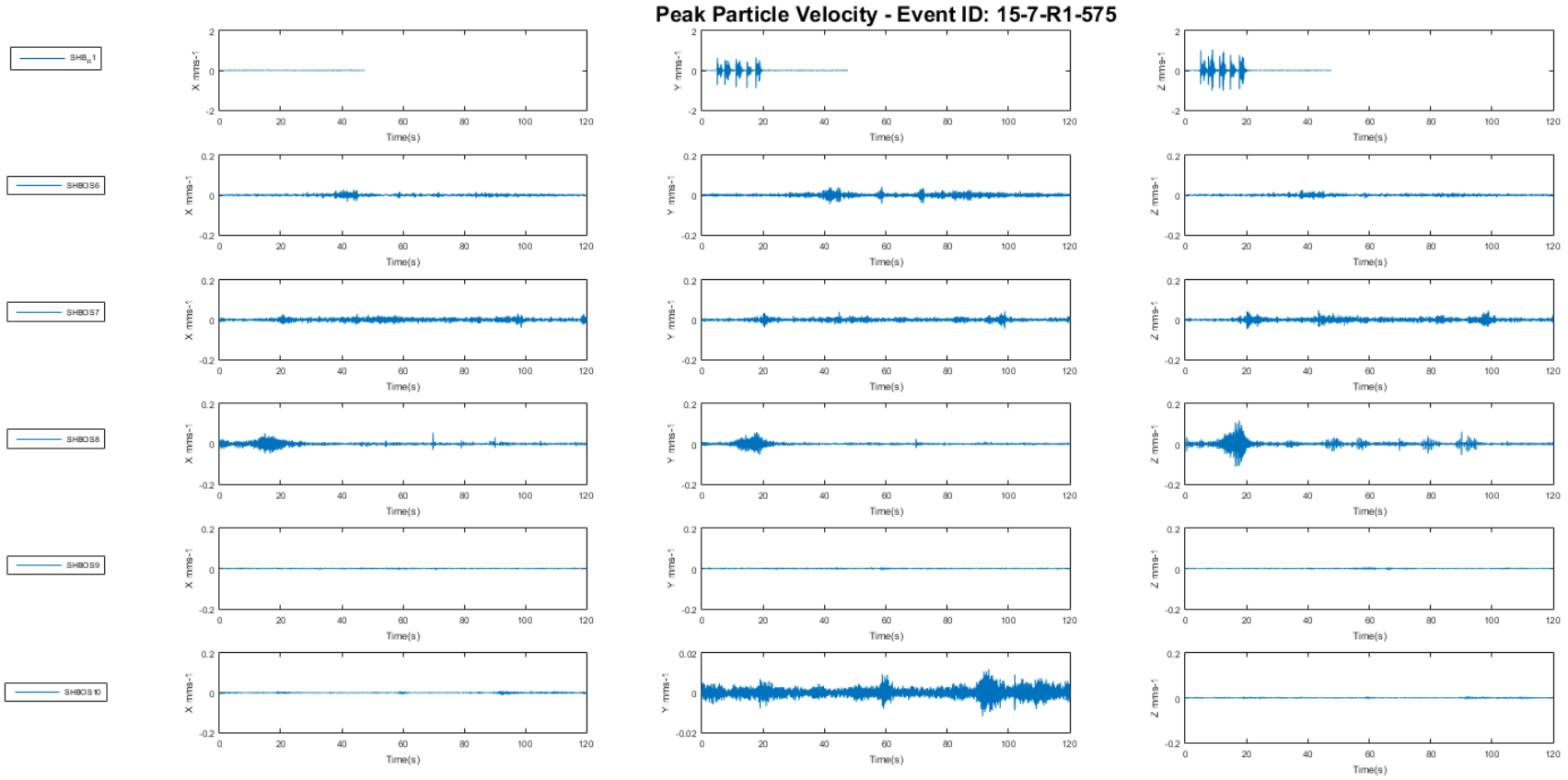


FIGURE 3.862: SHB_OS 1 - 5 15-7-R1-575

FIGURE 3.863: SHB_OS 6 - 10 15-7-R1-575



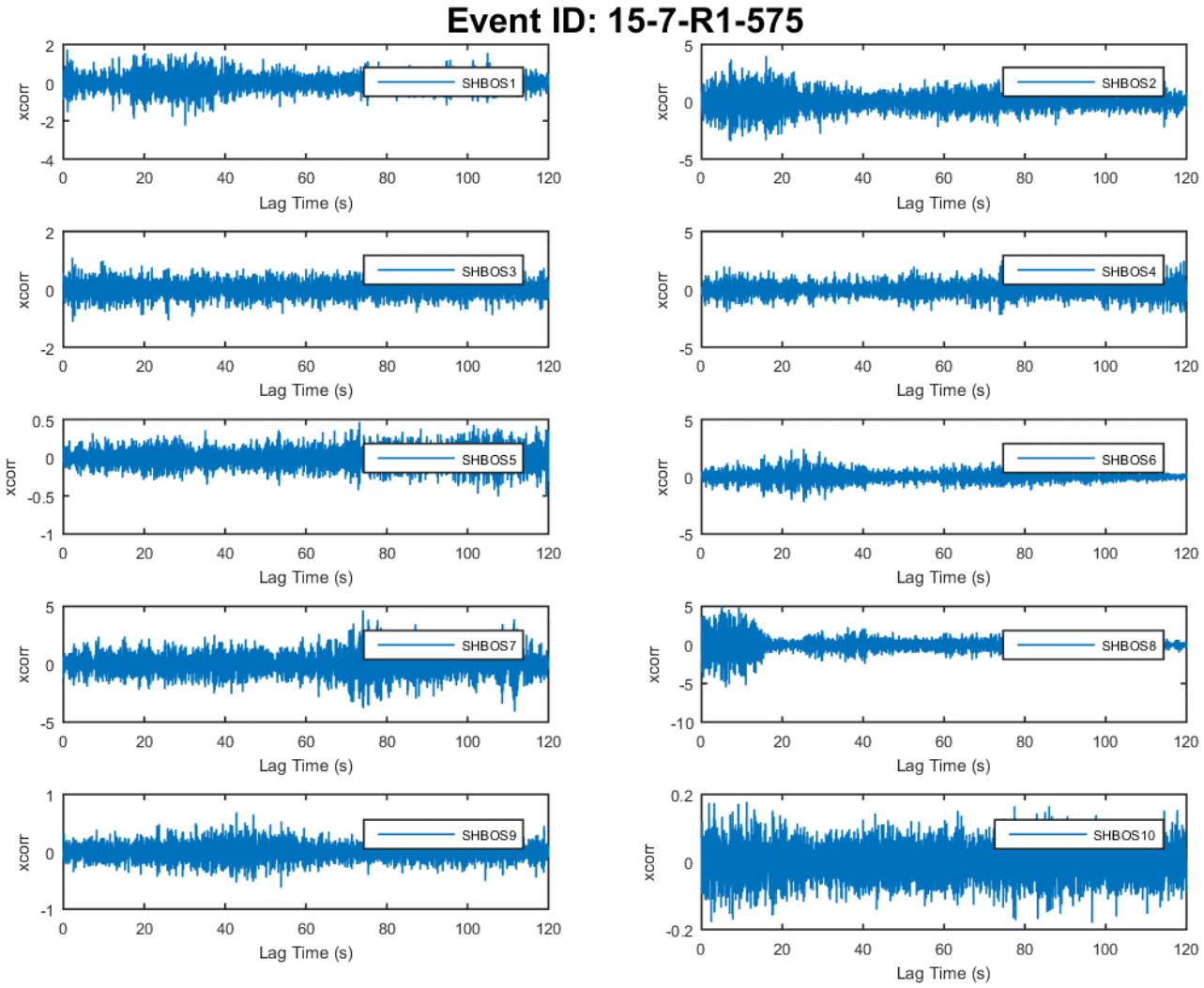


FIGURE 3.864: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-575

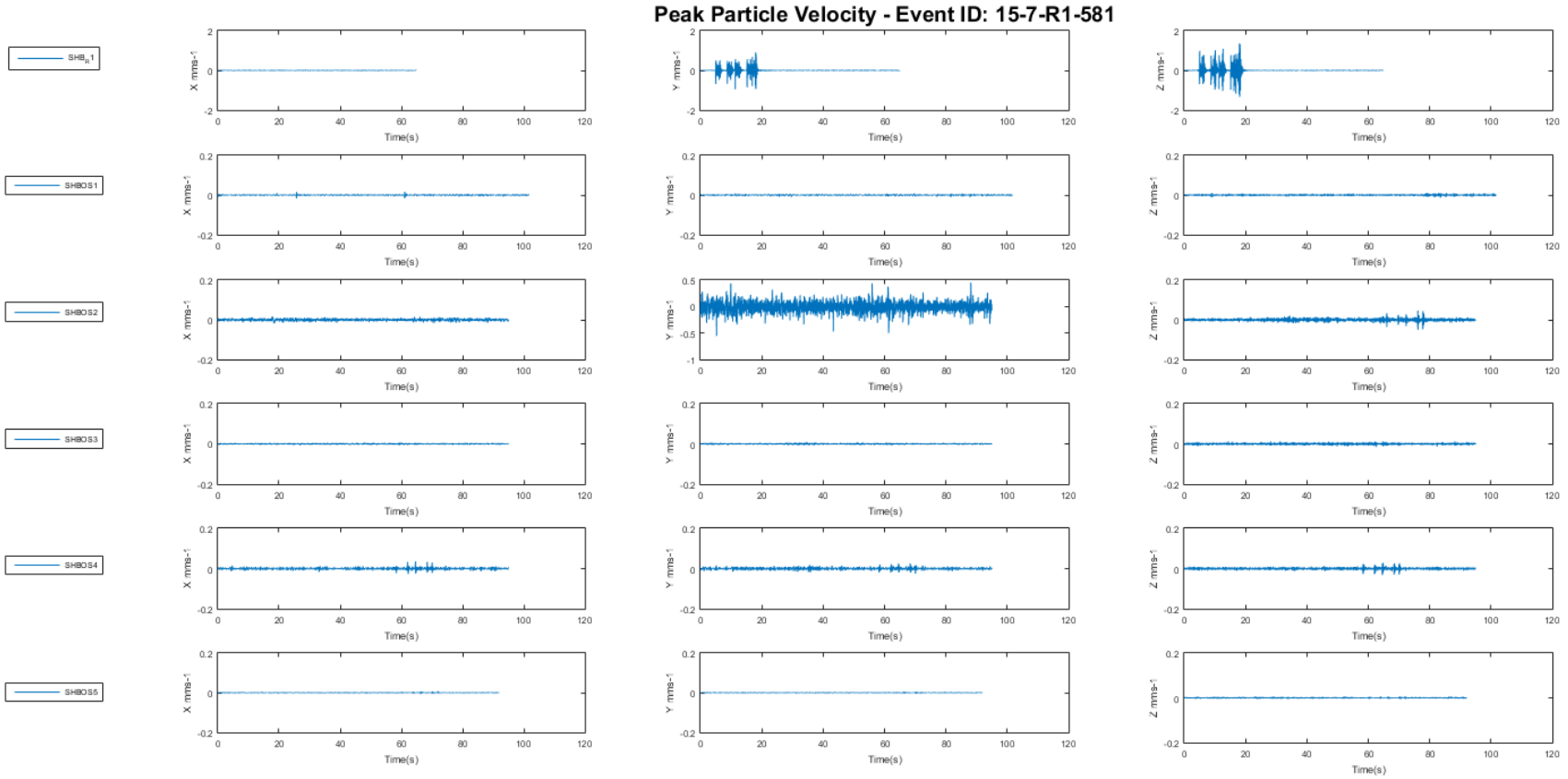
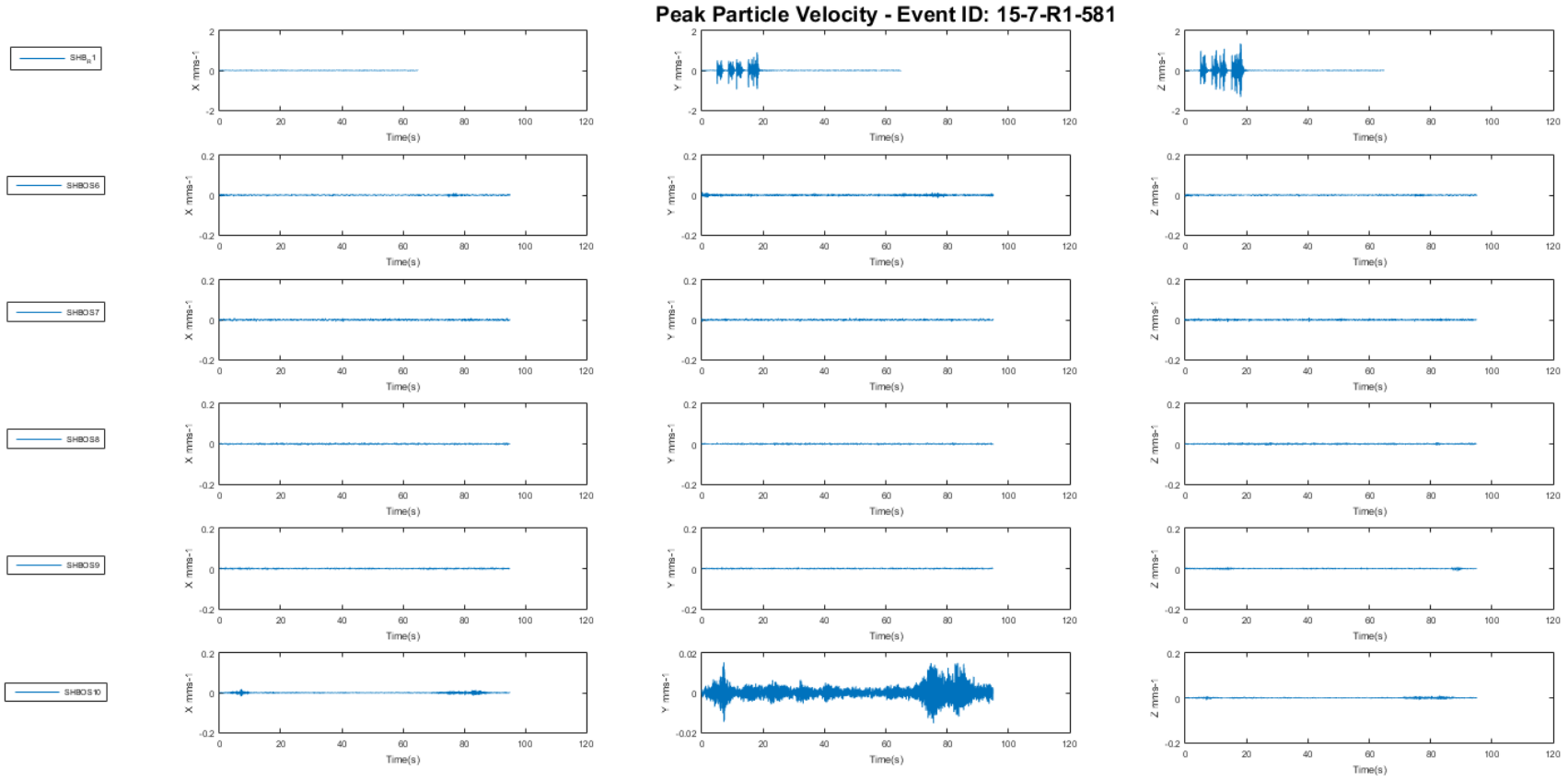


FIGURE 3.865: SHB_OS 1 - 5 15-7-R1-581

FIGURE 3.866: SHB_OS 6 - 10 15-7-R1-581



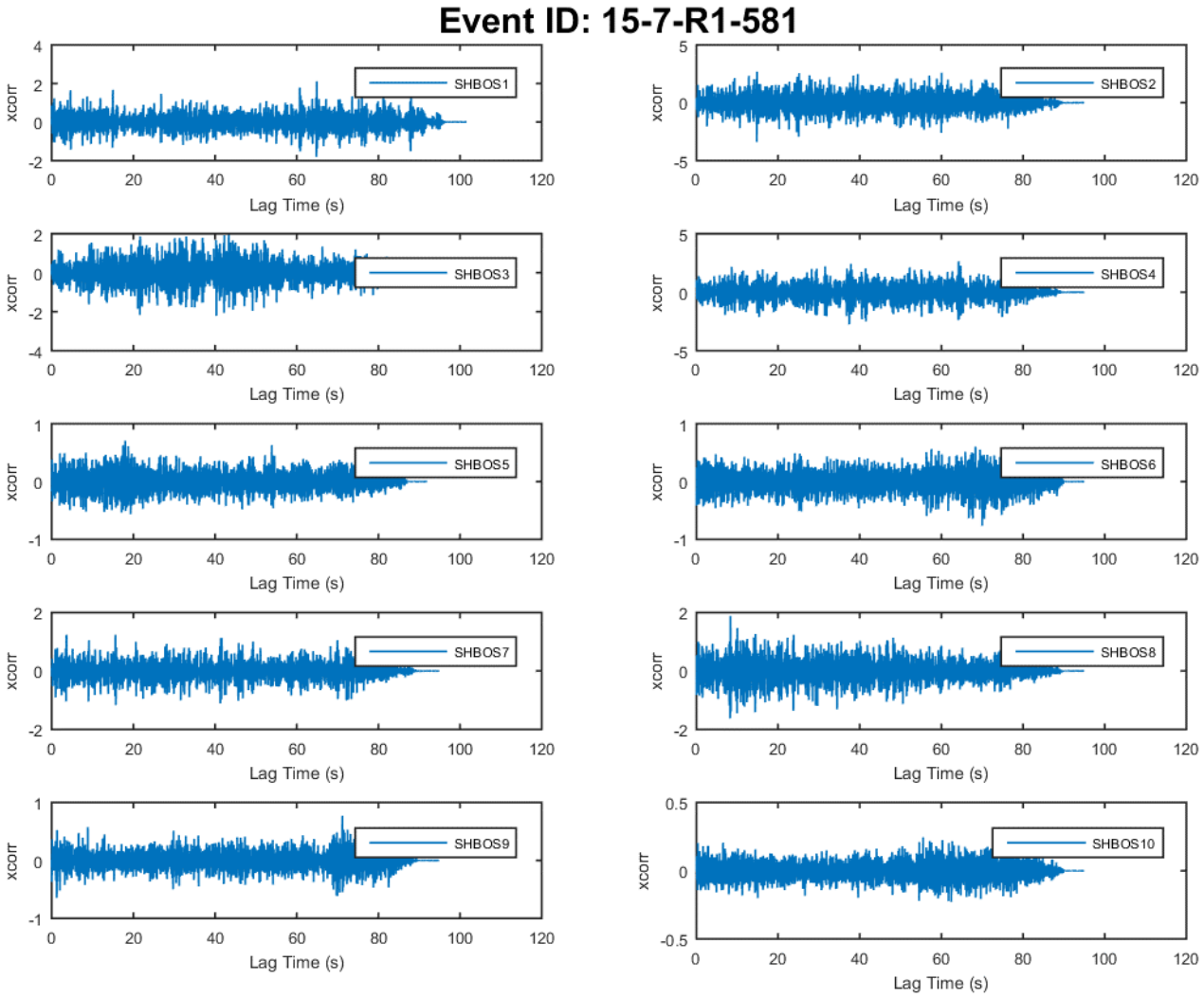


FIGURE 3.867: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-581

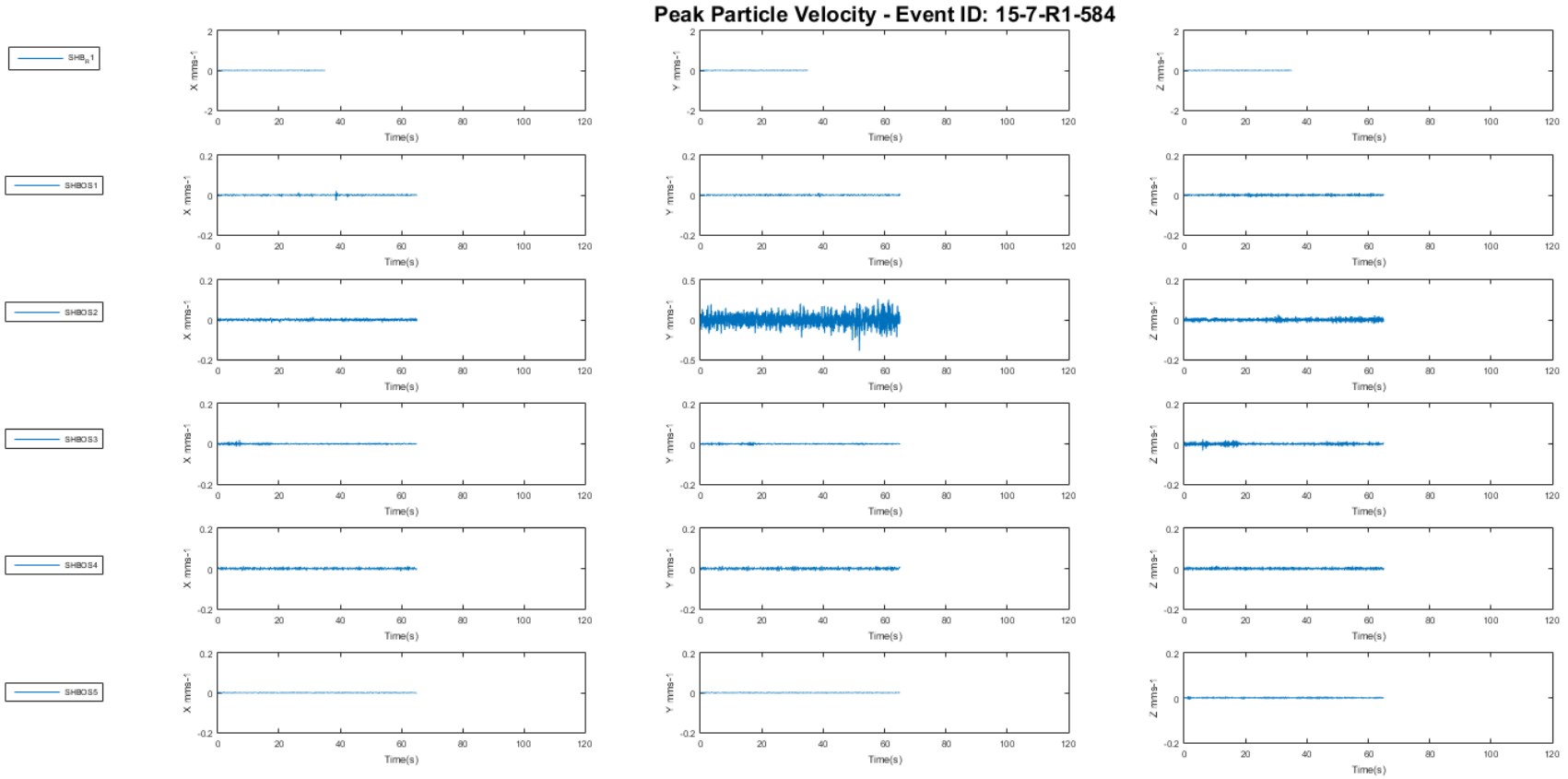
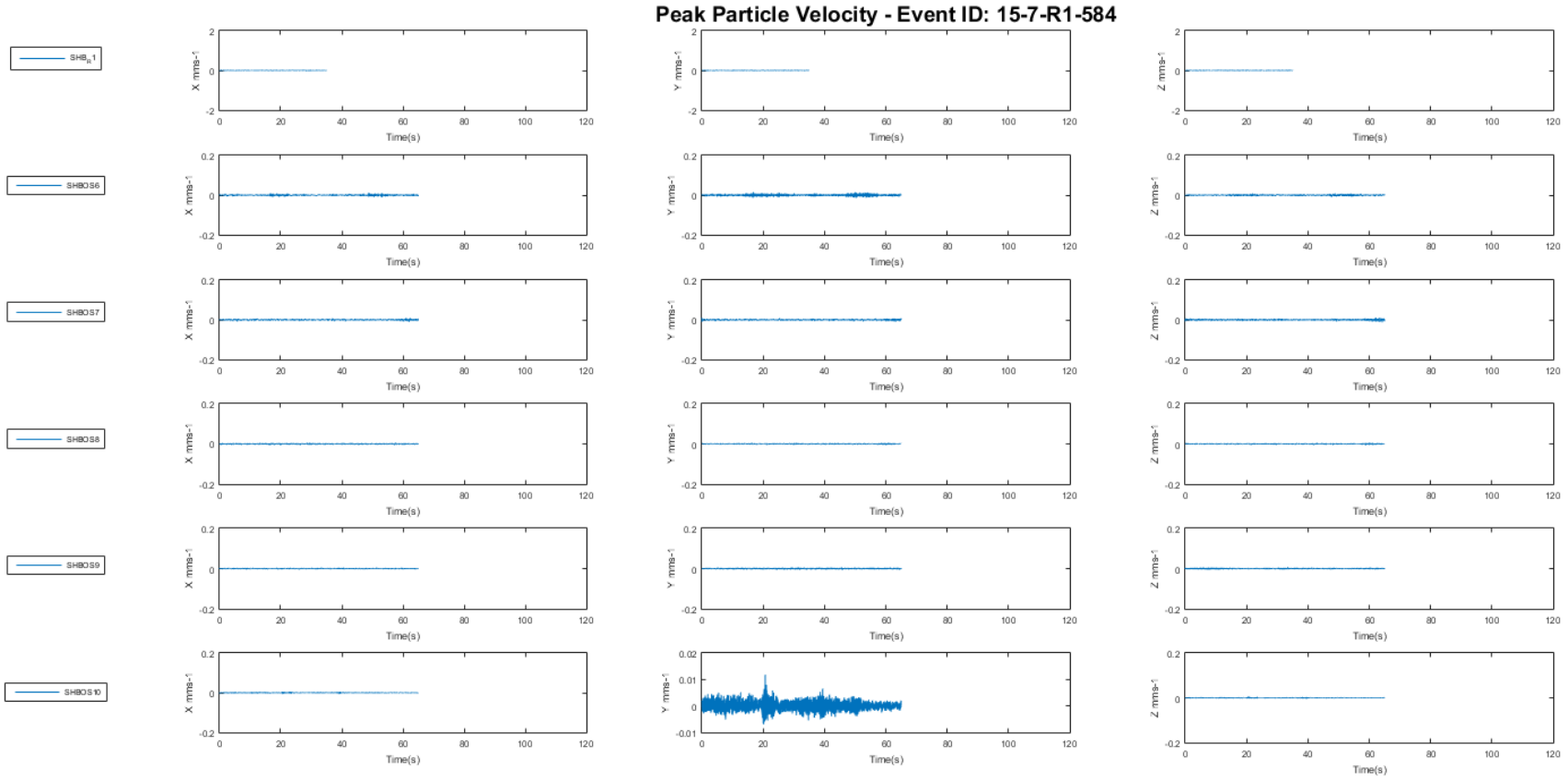


FIGURE 3.868: SHB_OS 1 - 5 15-7-R1-584

FIGURE 3.869: SHB_OS 6 - 10 15-7-R1-584



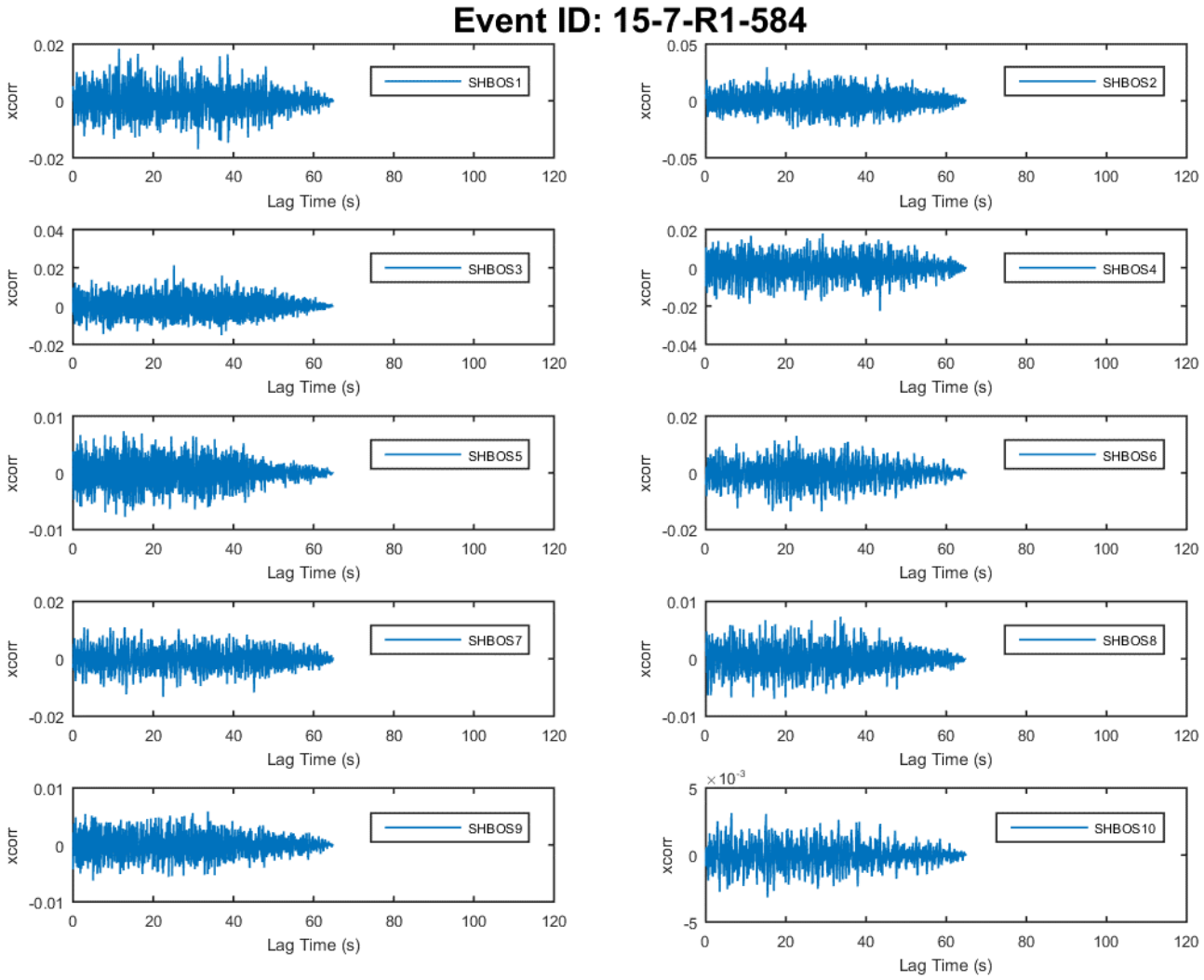


FIGURE 3.870: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-584

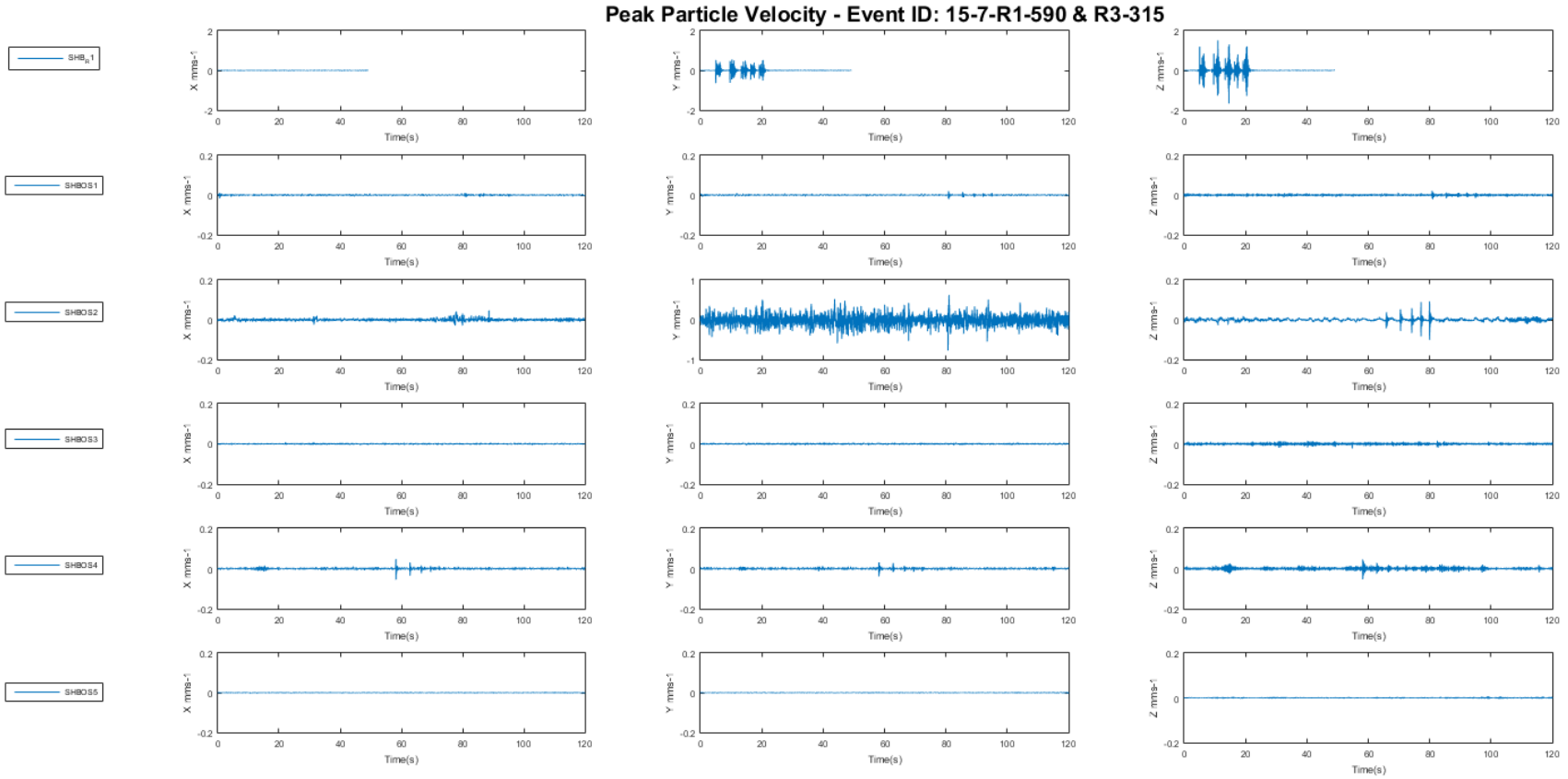
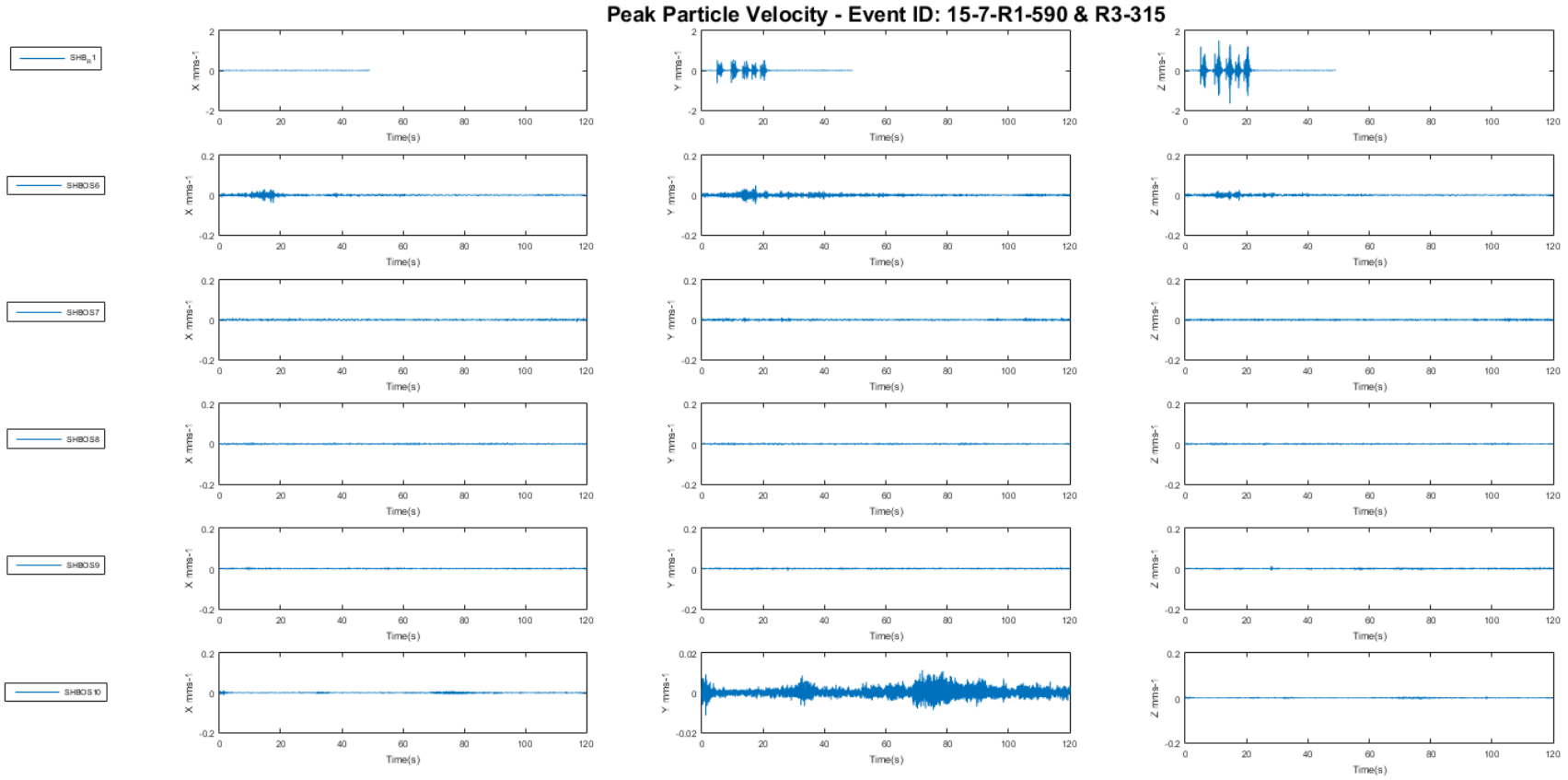


FIGURE 3.871: SHB_OS 1 - 5 15-7-R1-590 & R3-315

FIGURE 3.872: SHB_OS 6 - 10 15-7-R1-590 & R3-315



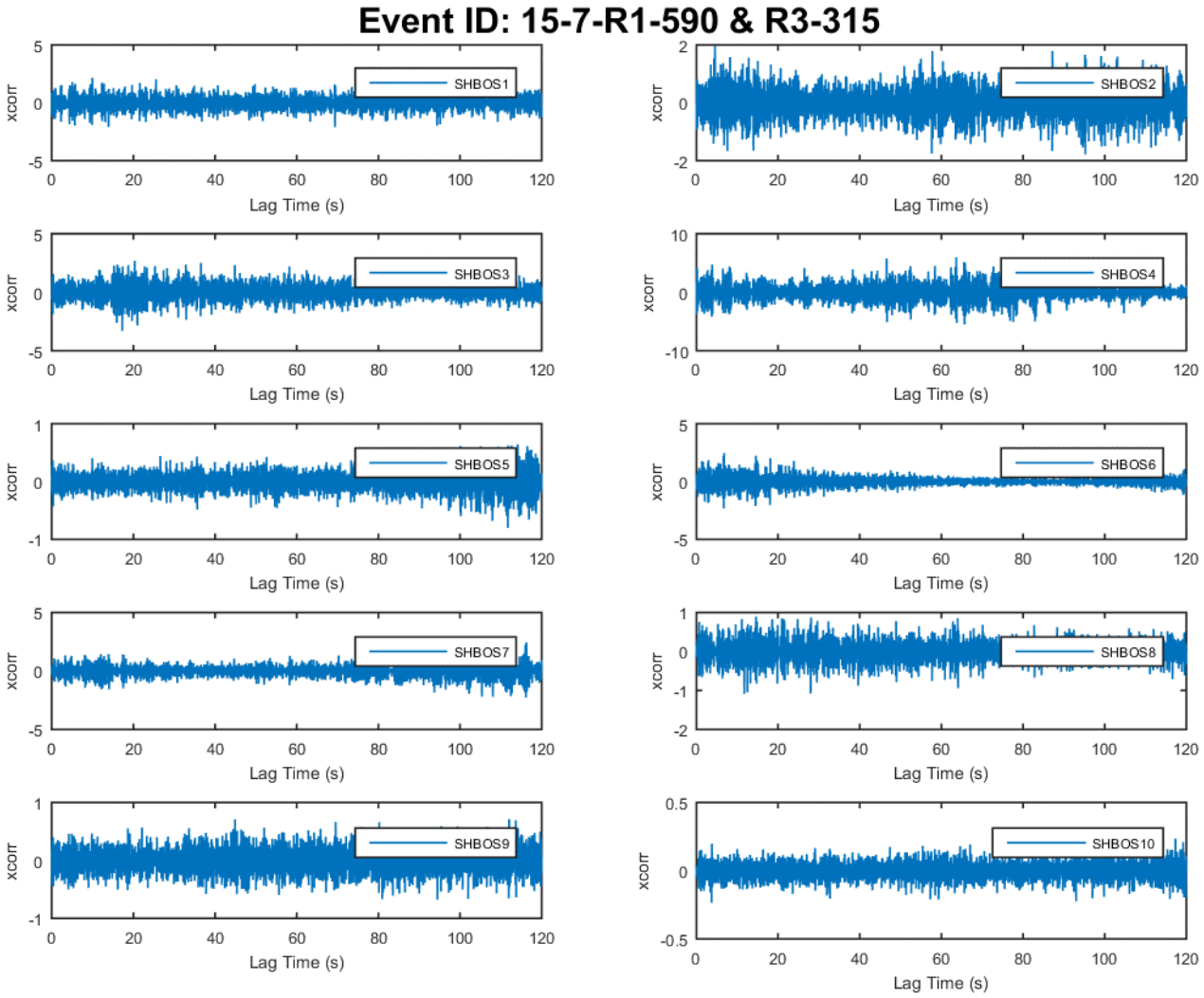


FIGURE 3.873: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-590 & R3-315

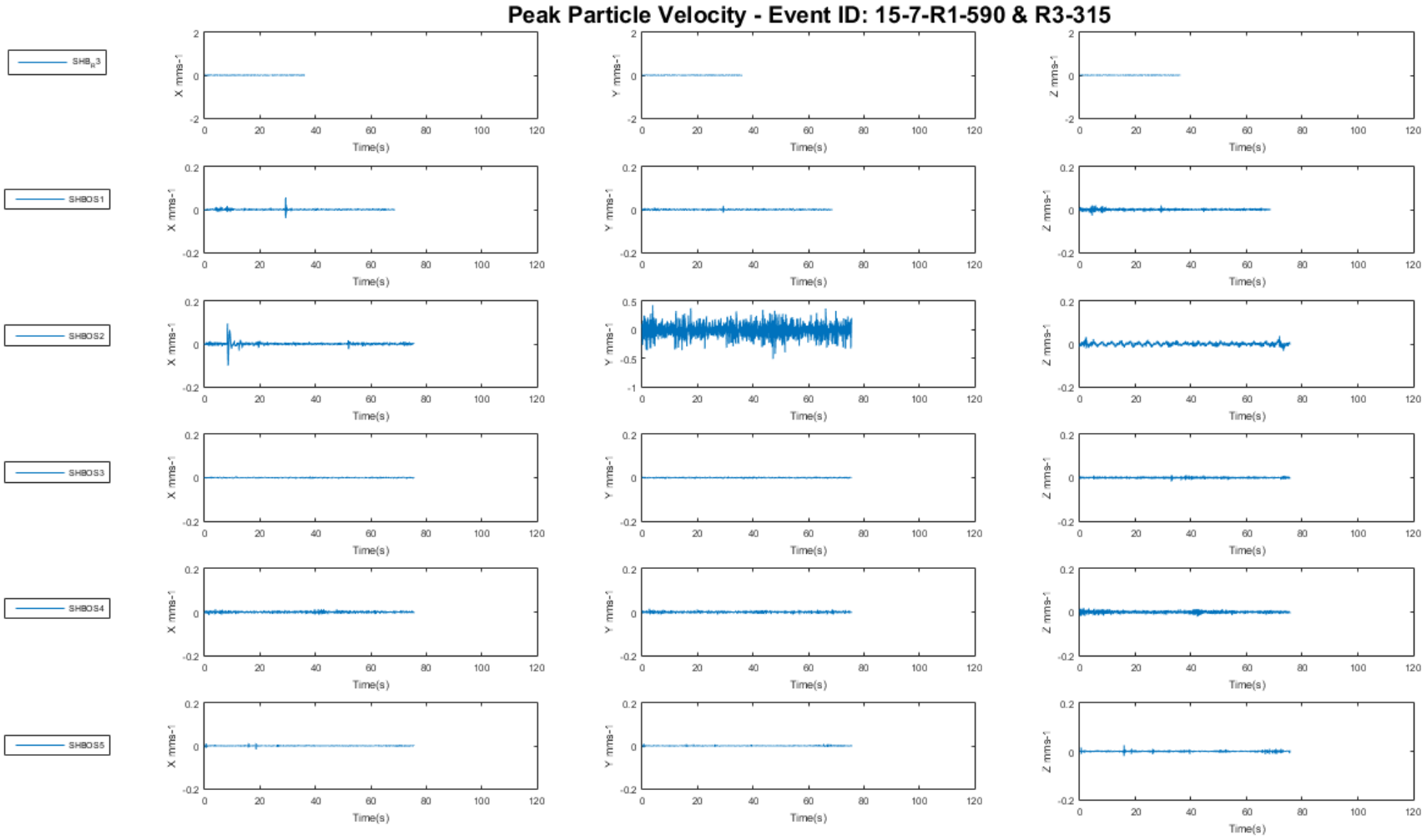


FIGURE 3.874: SHB_OS 1 - 5 15-7-R1-590 & R3-315

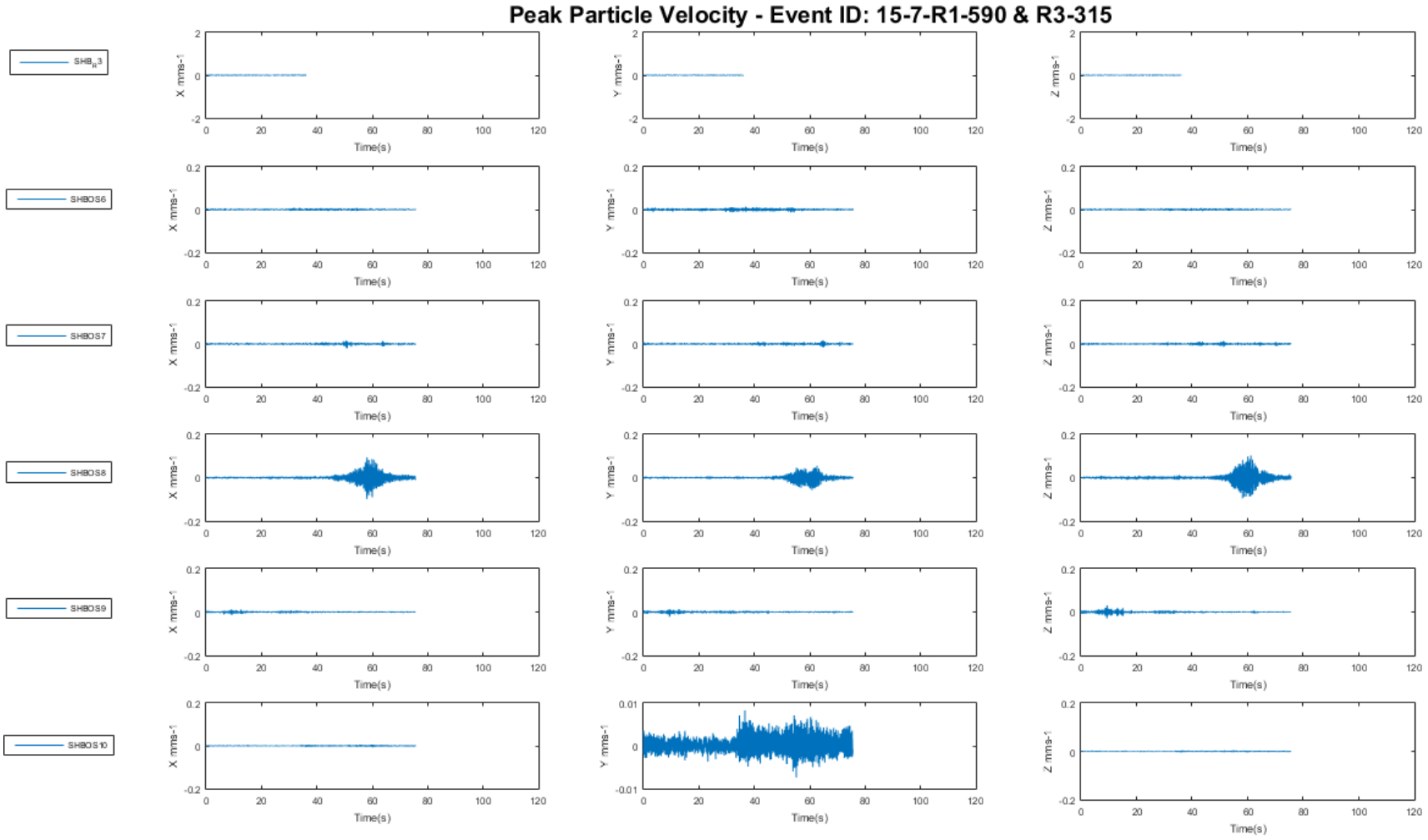


FIGURE 3.875: SHB_OS 6 - 10 15-7-R1-590 & R3-315

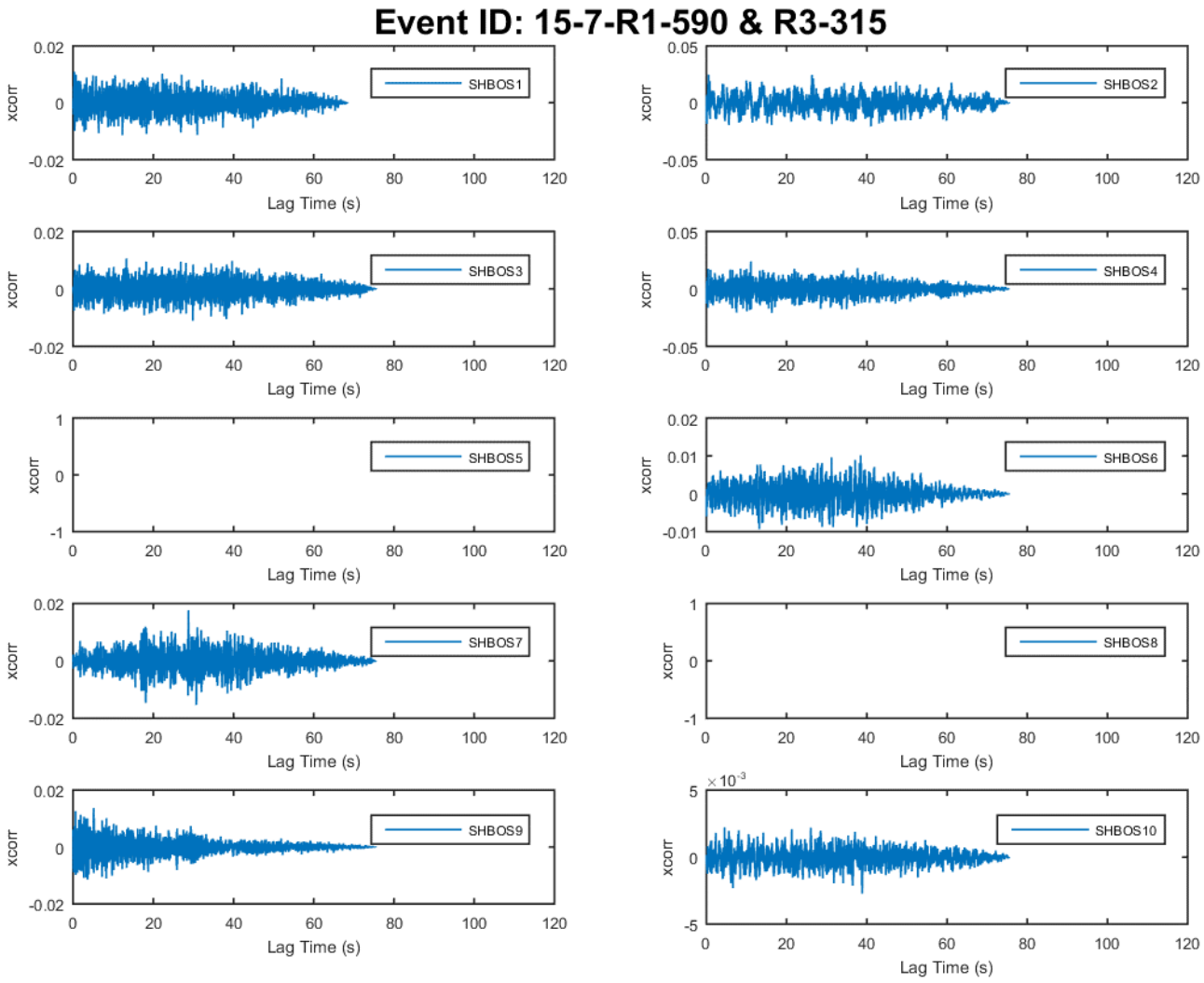


FIGURE 3.876: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-590 & R3-315

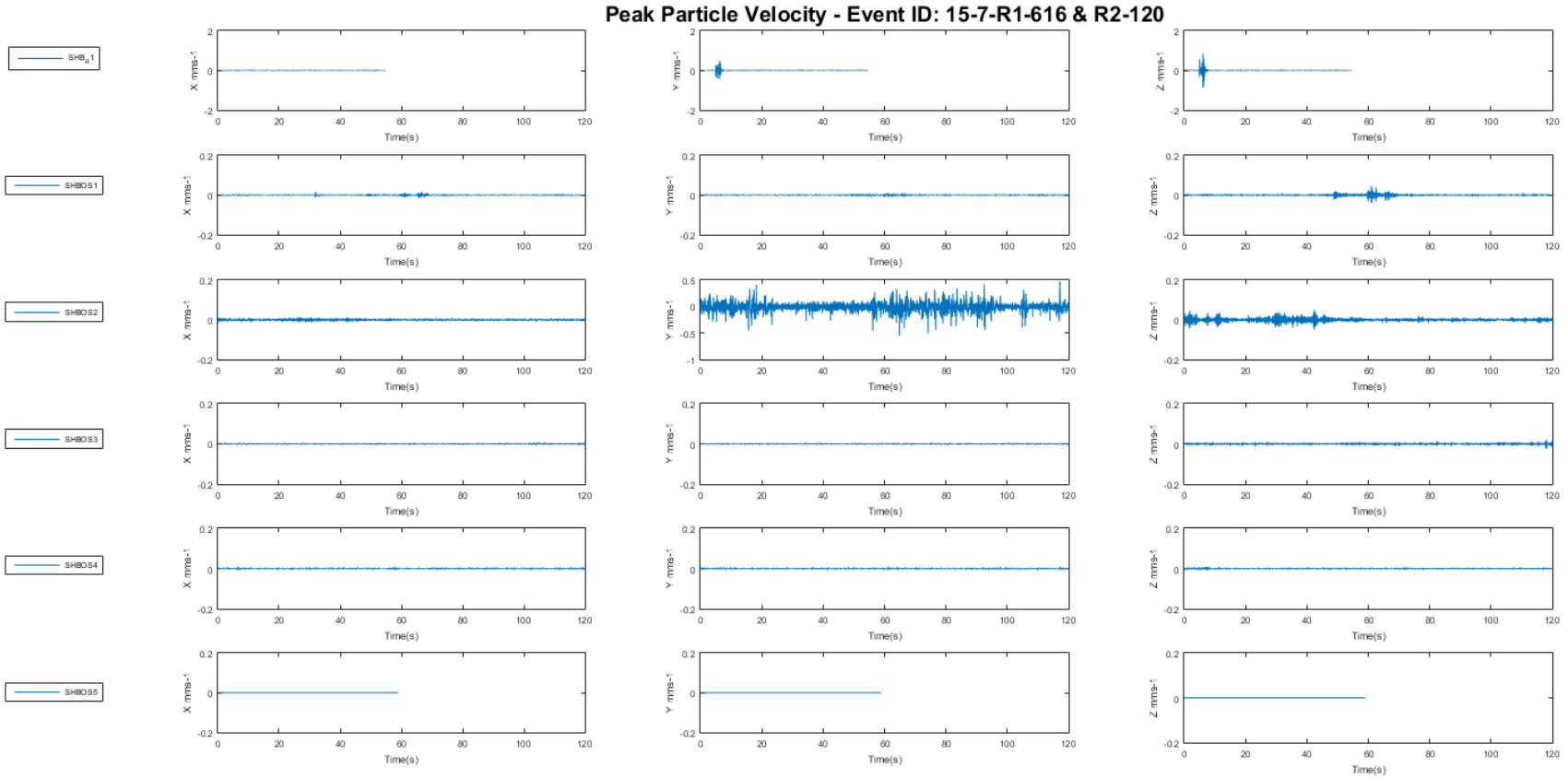
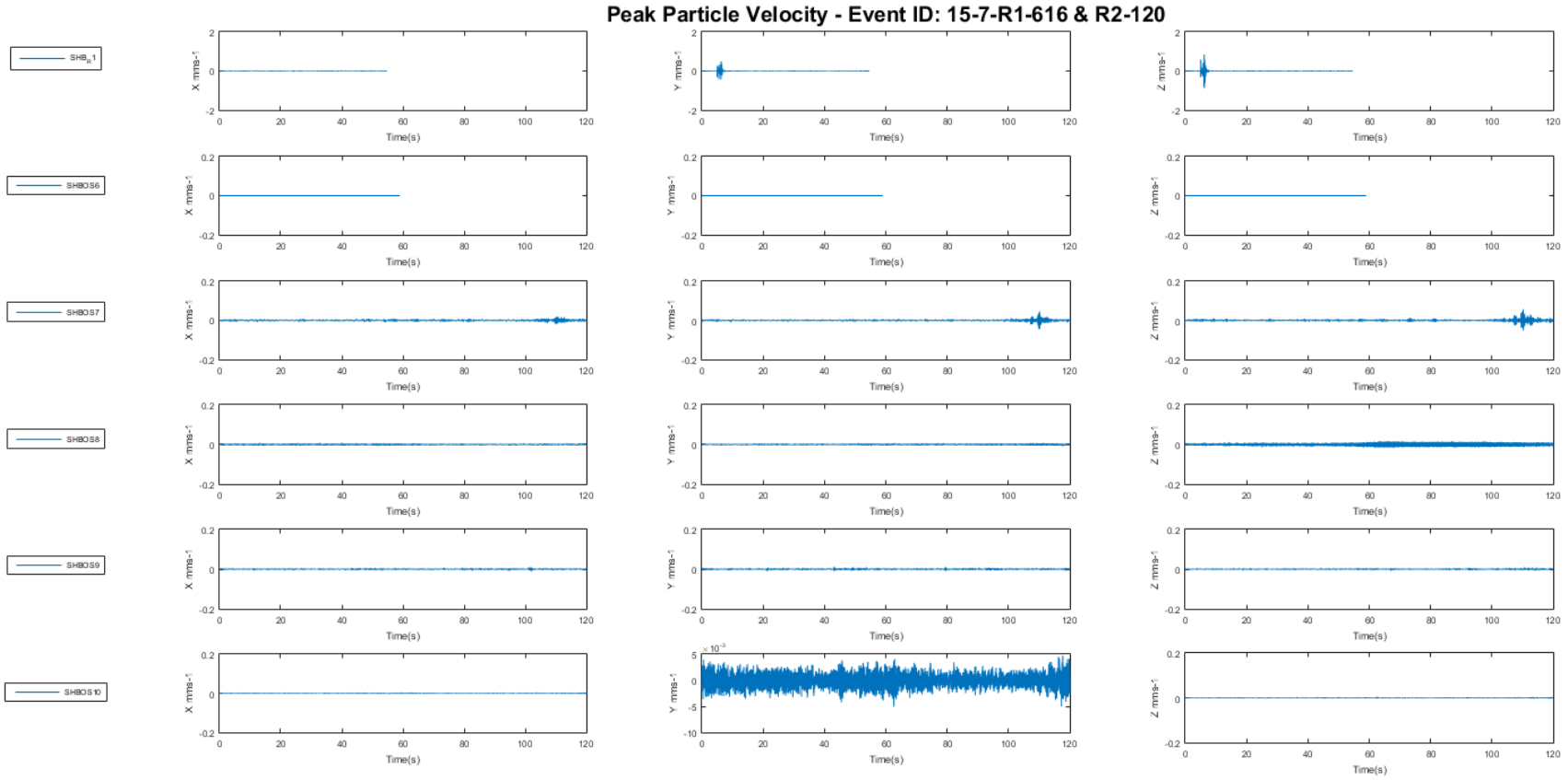


FIGURE 3.877: SHB_OS 1 - 5 15-7-R1-616 & R2-120

FIGURE 3.878: SHB_OS 6 - 10 15-7-R1-616 & R2-120



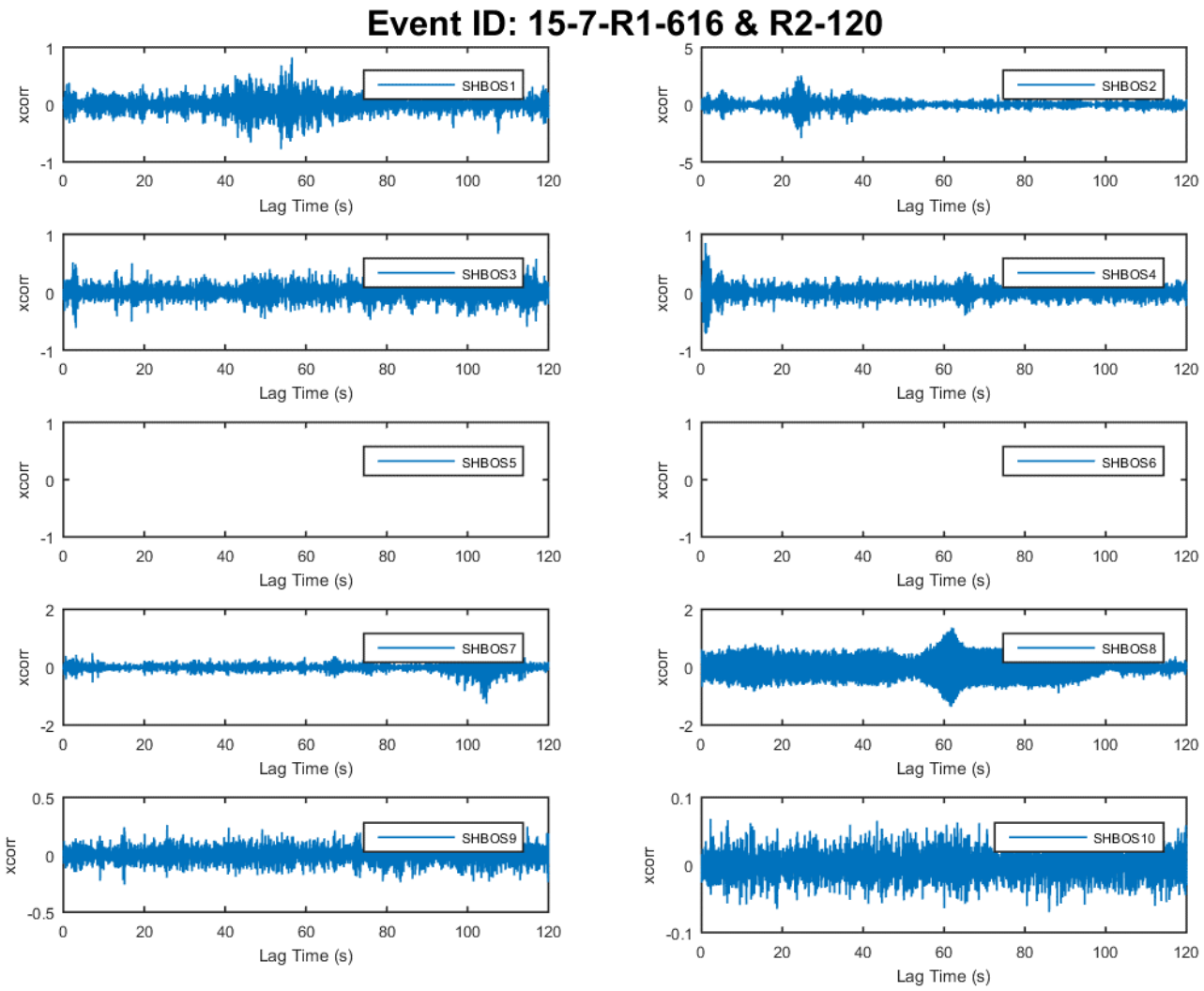


FIGURE 3.879: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-616 & R2-120

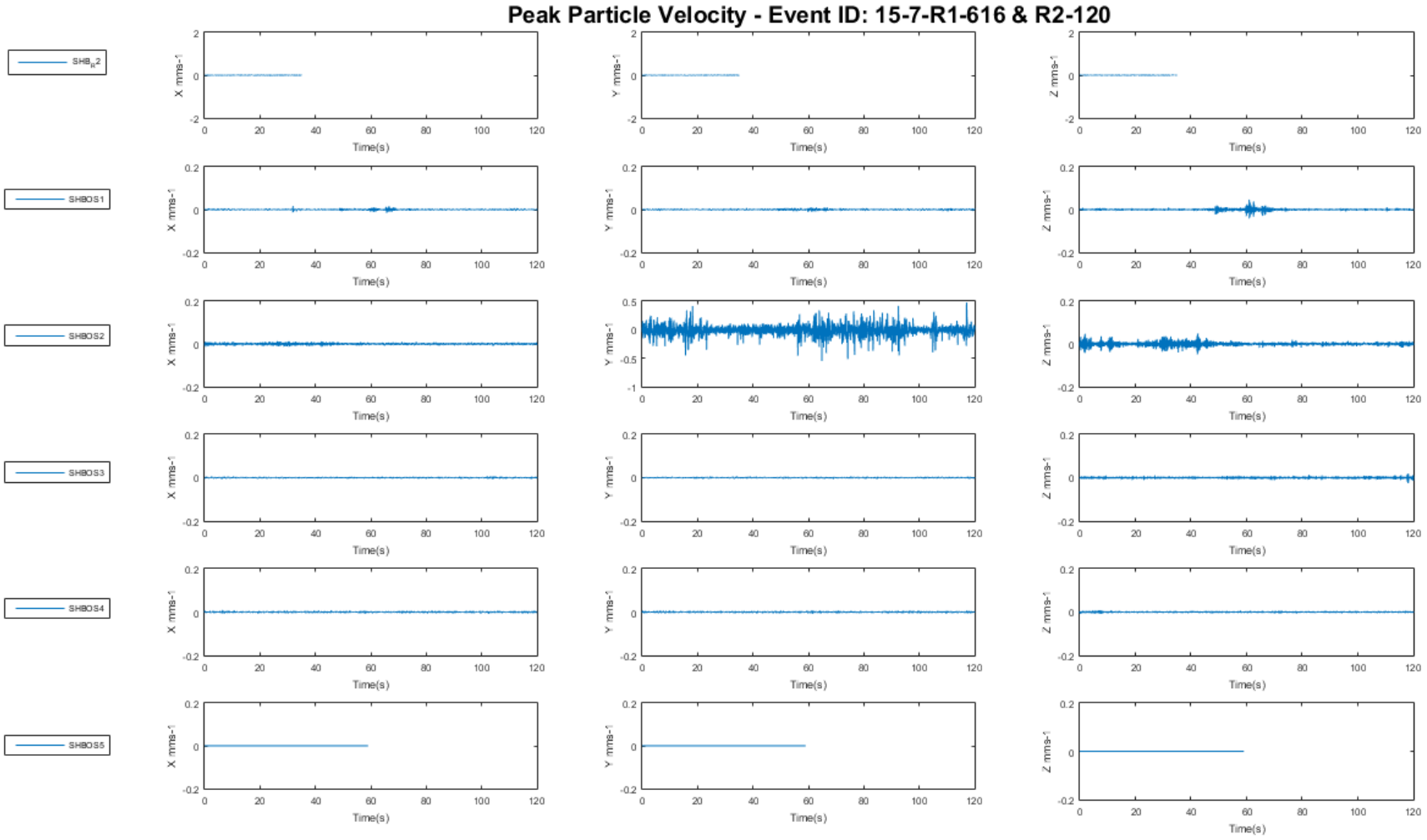


FIGURE 3.880: SHB_OS 1 - 5 15-7-R1-616 & R2-120

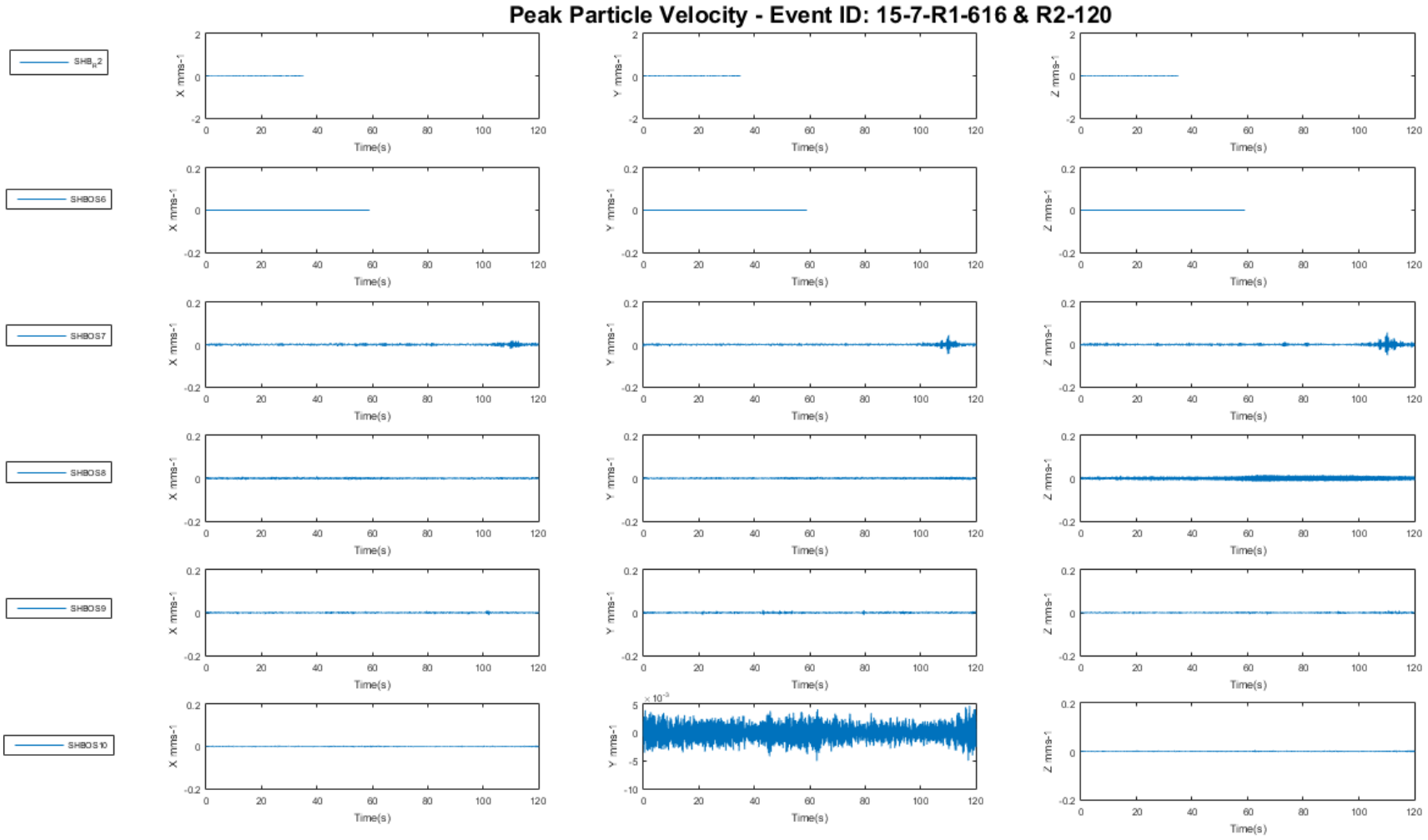


FIGURE 3.881: SHB_OS 6 - 10 15-7-R1-616 & R2-120

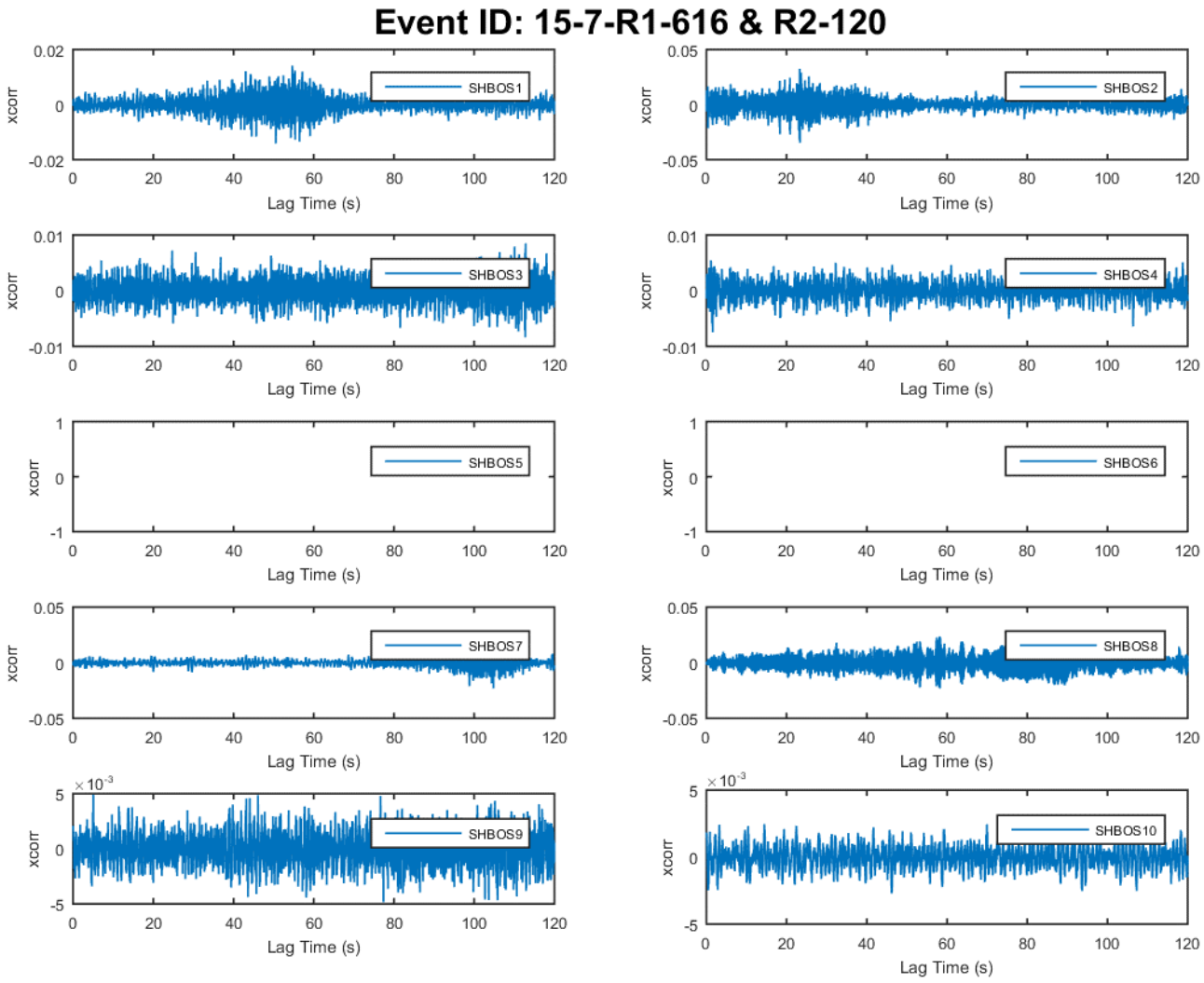


FIGURE 3.882: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-616 & R2-120

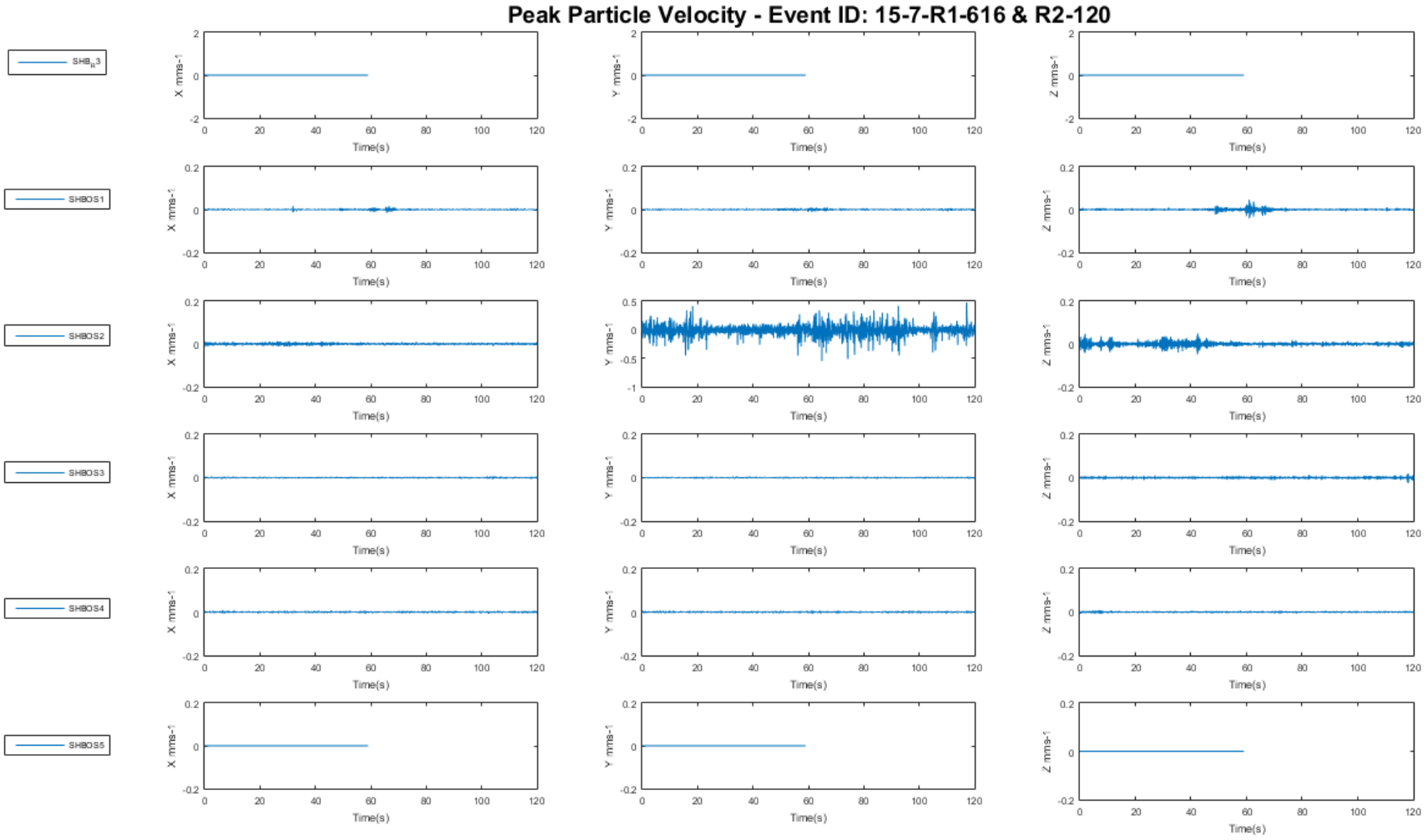


FIGURE 3.883: SHB_OS 1 - 5 15-7-R1-616 & R2-120

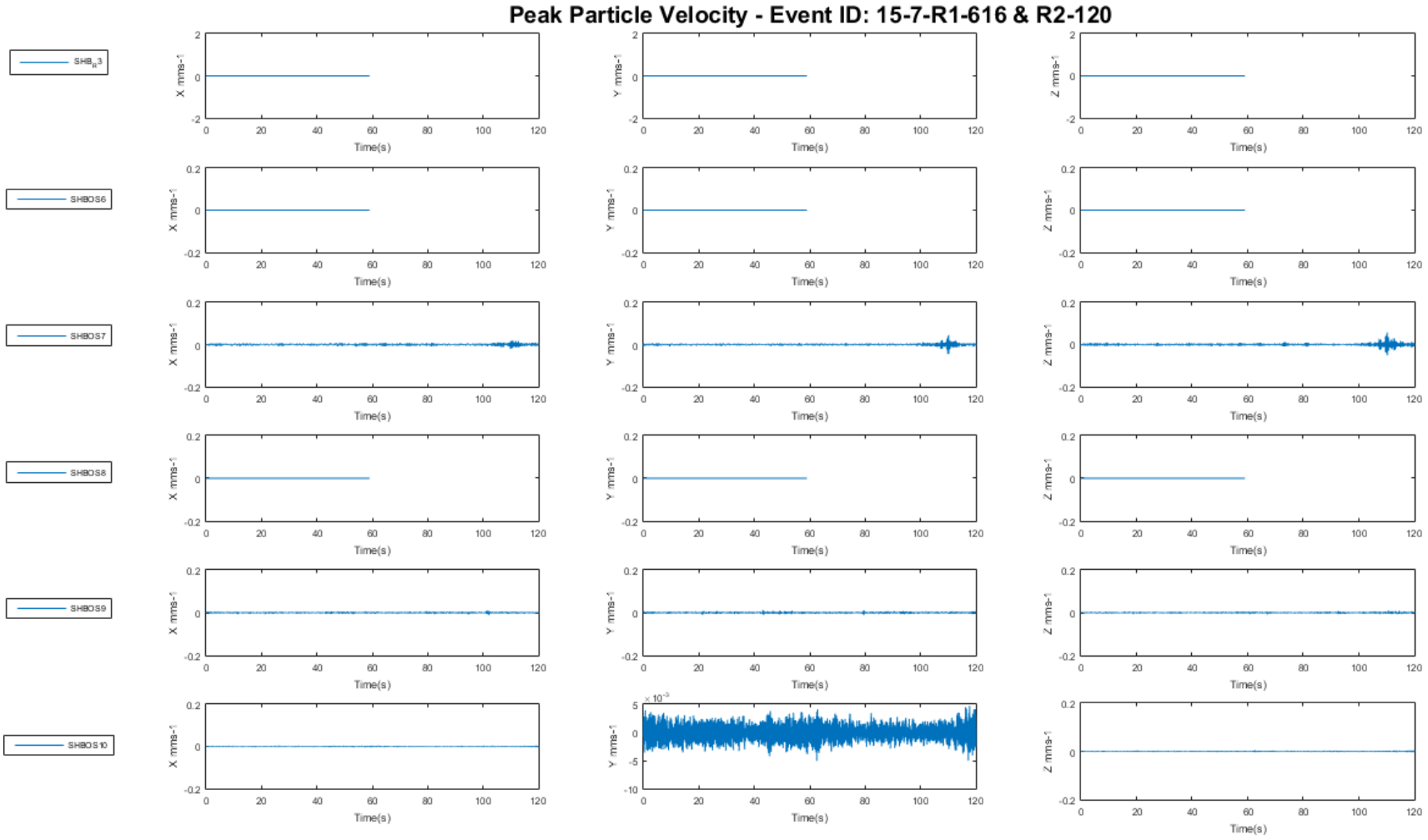


FIGURE 3.884: SHB_OS 6 - 10 15-7-R1-616 & R2-120

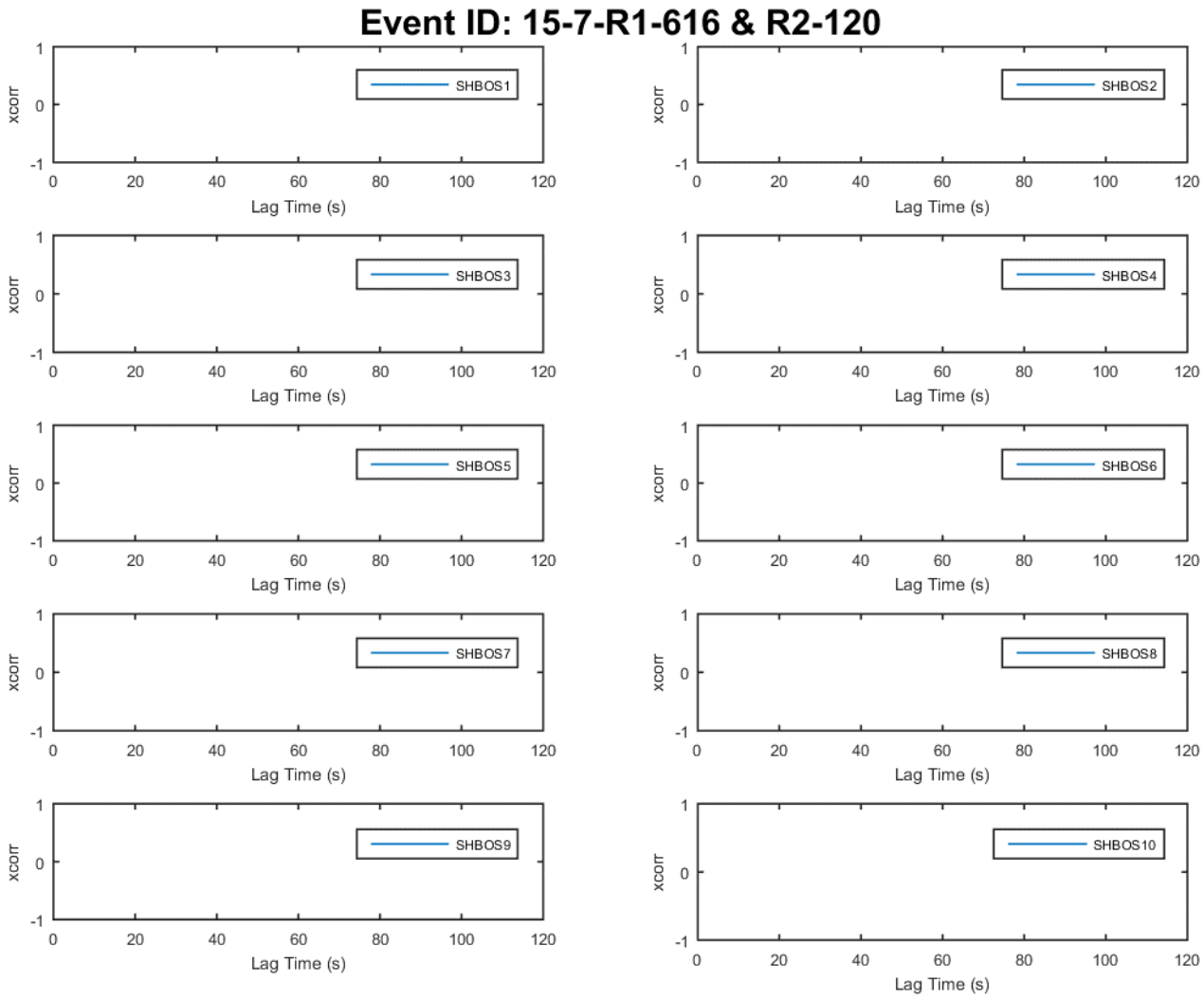


FIGURE 3.885: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-616 & R2-120

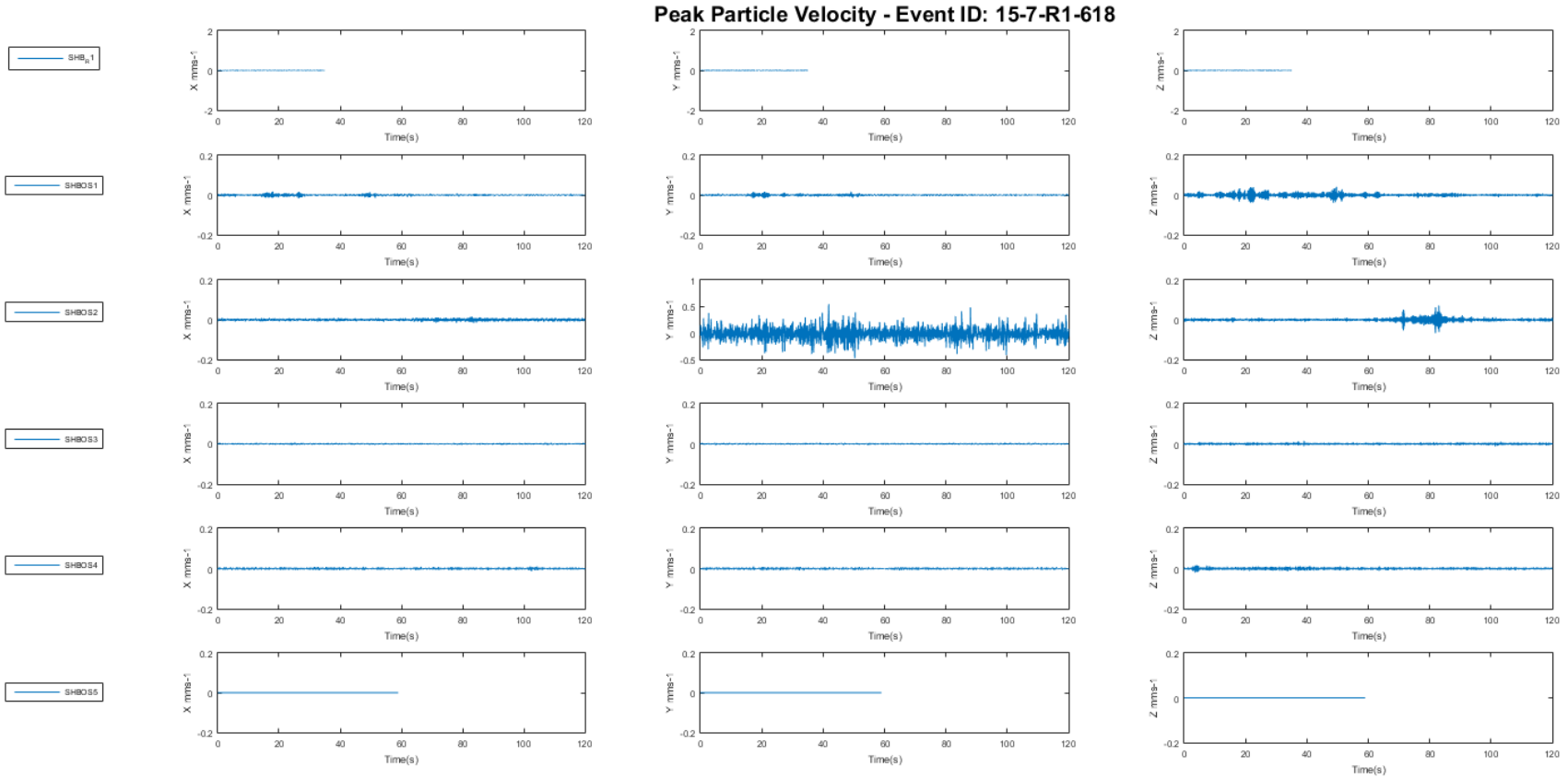
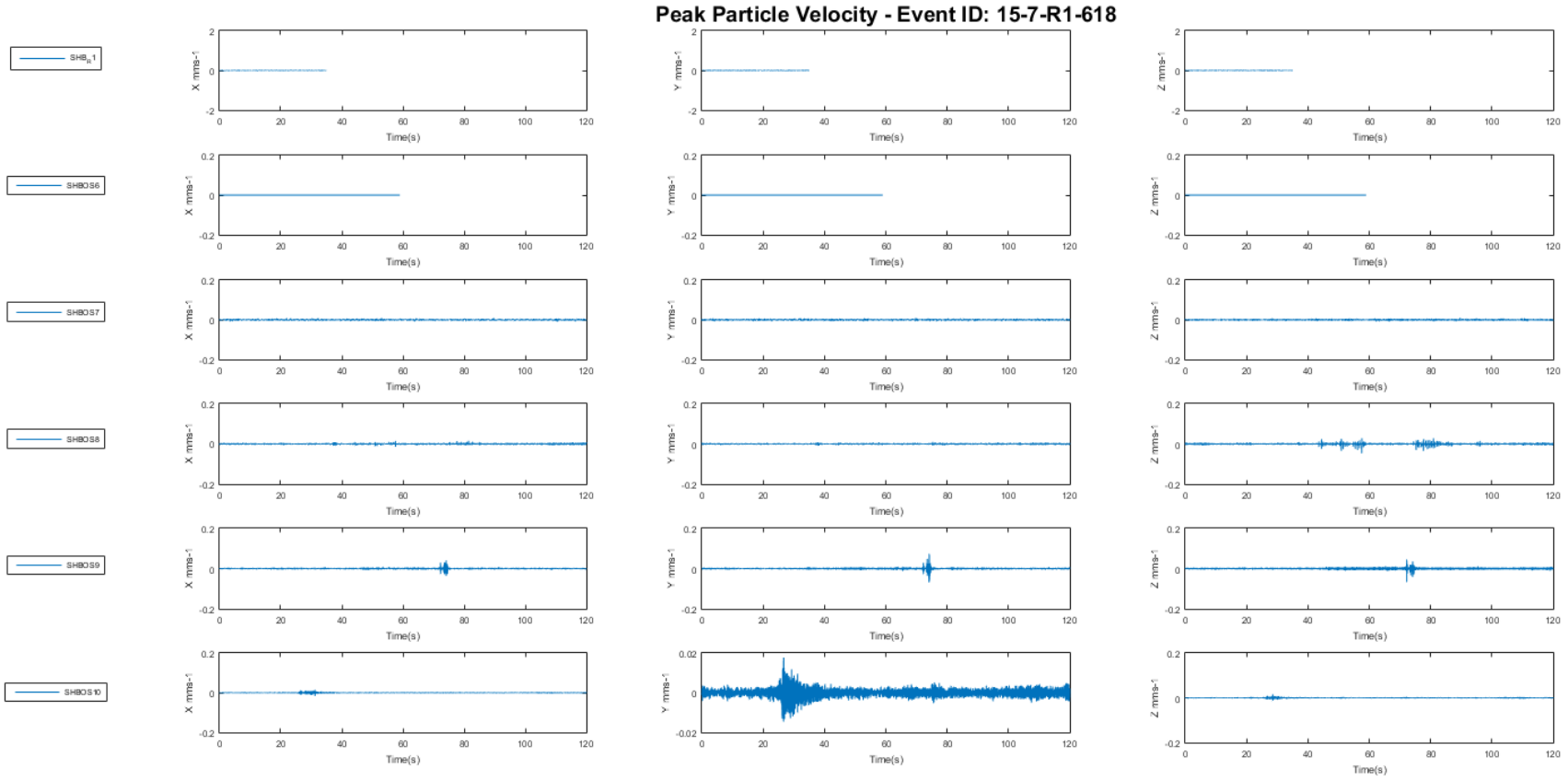


FIGURE 3.886: SHB_OS 1 - 5 15-7-R1-618

FIGURE 3.887: SHB_OS 6 - 10 15-7-R1-618



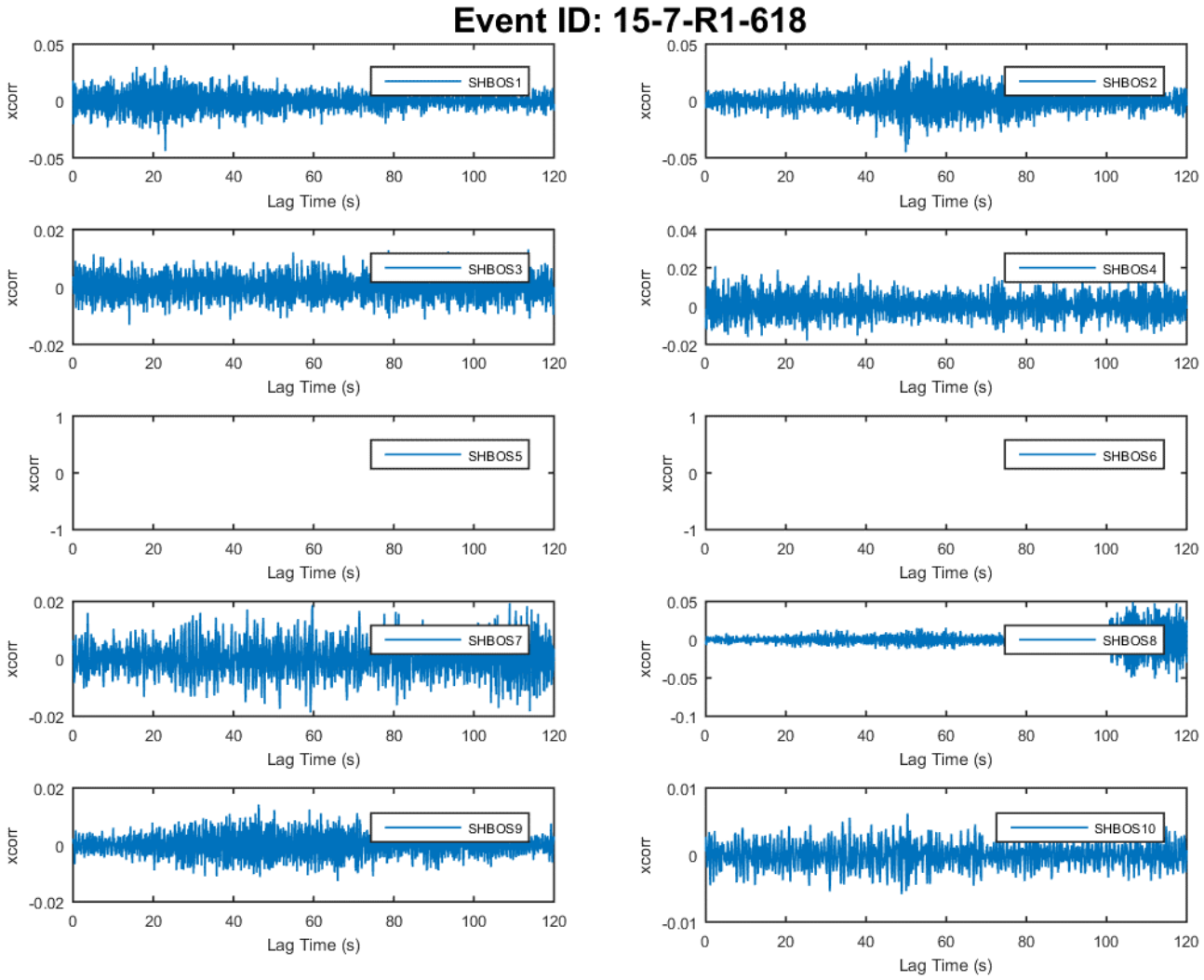


FIGURE 3.888: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-618

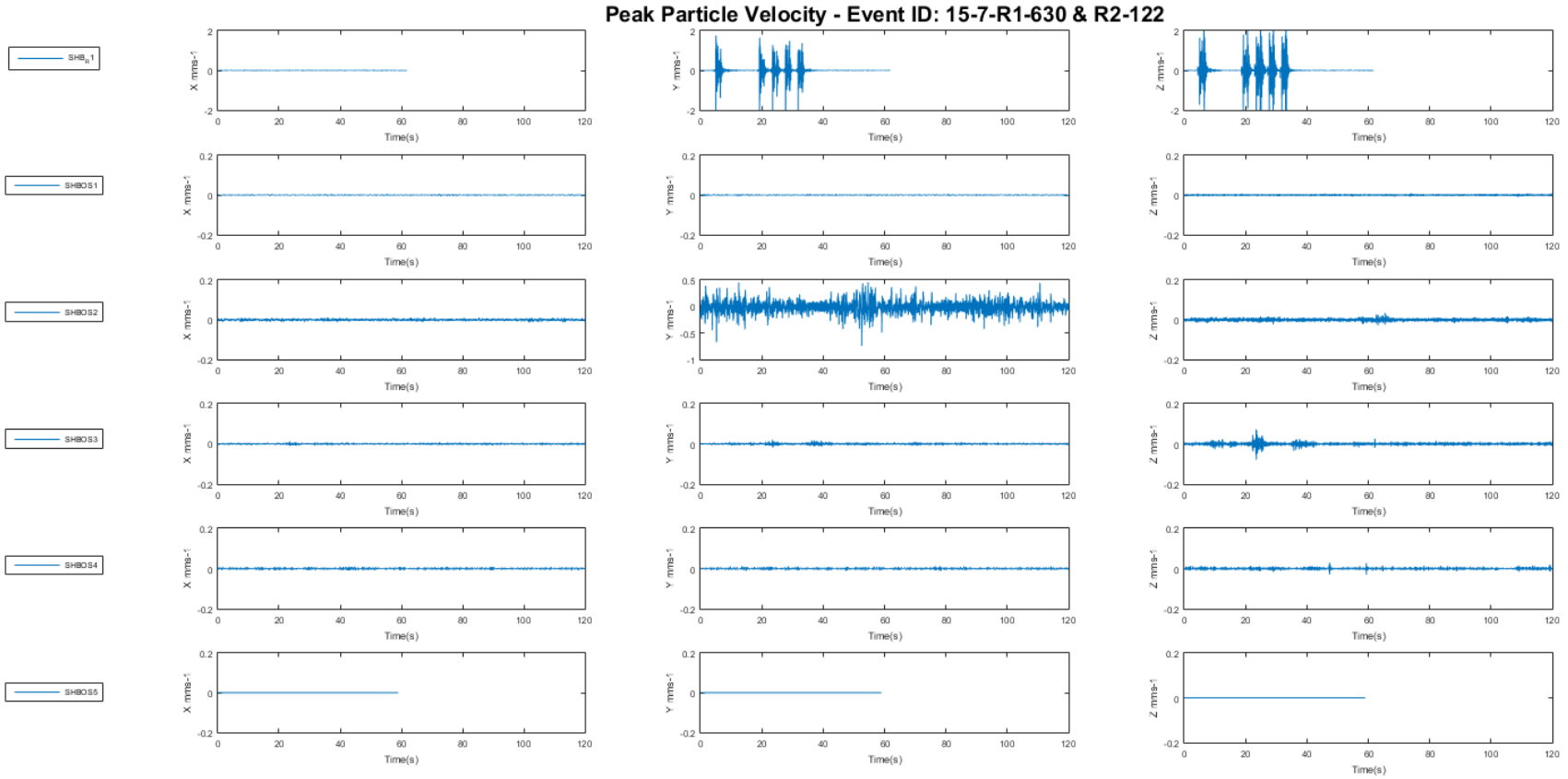
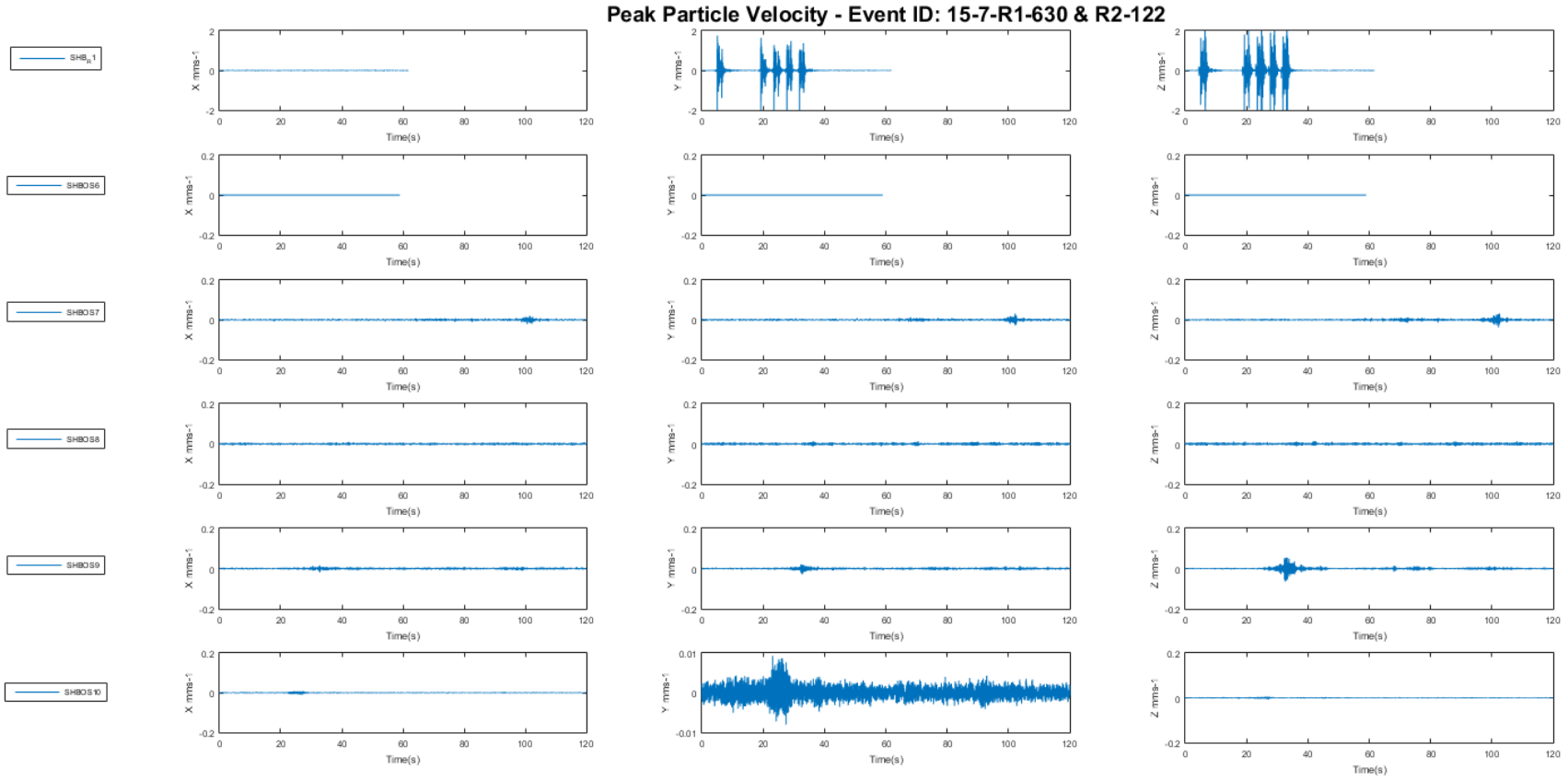


FIGURE 3.889: SHB_OS 1 - 5 15-7-R1-630 & R2-122

FIGURE 3.890: SHB_OS 6 - 10 15-7-R1-630 & R2-122



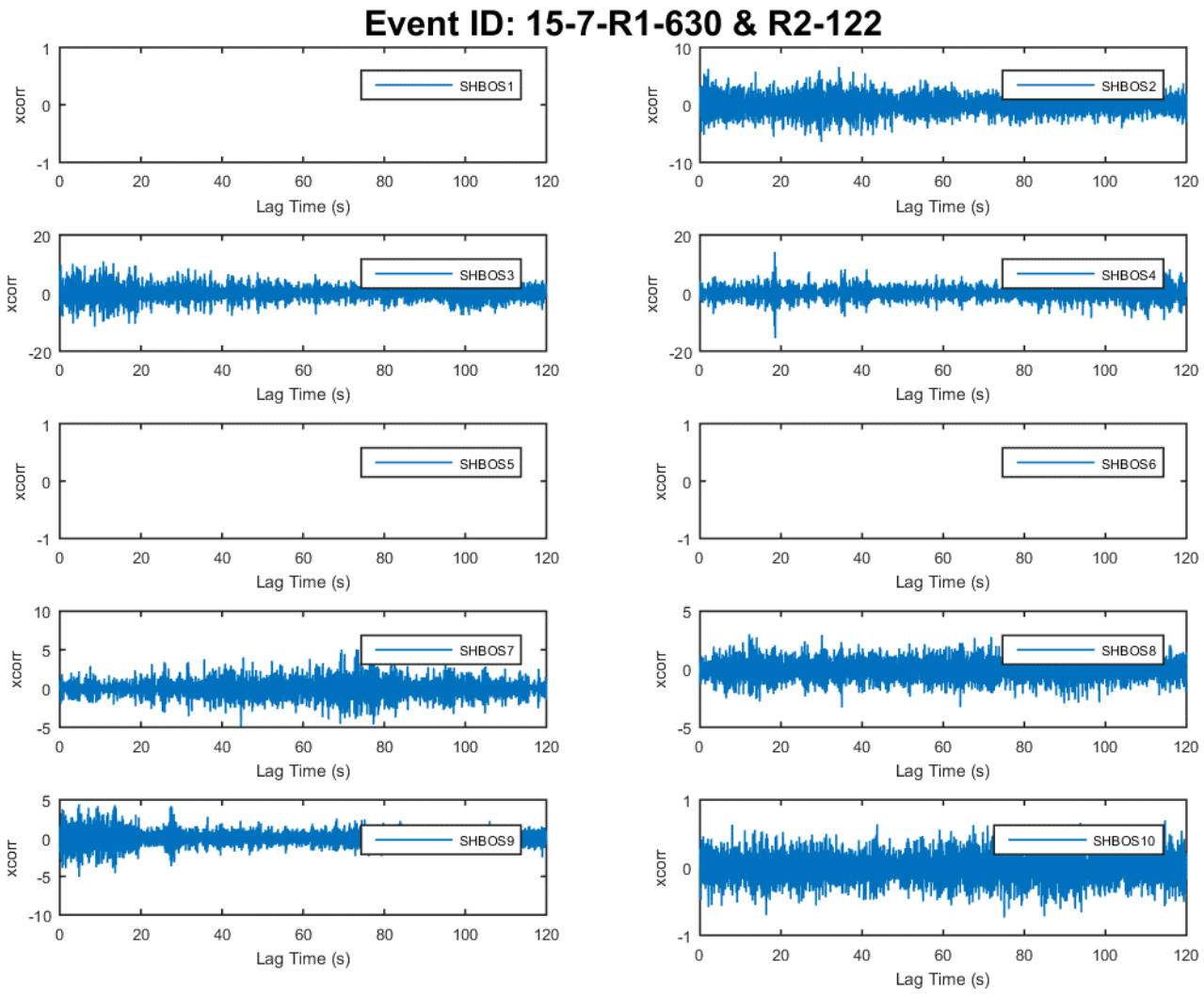


FIGURE 3.891: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-630 & R2-122

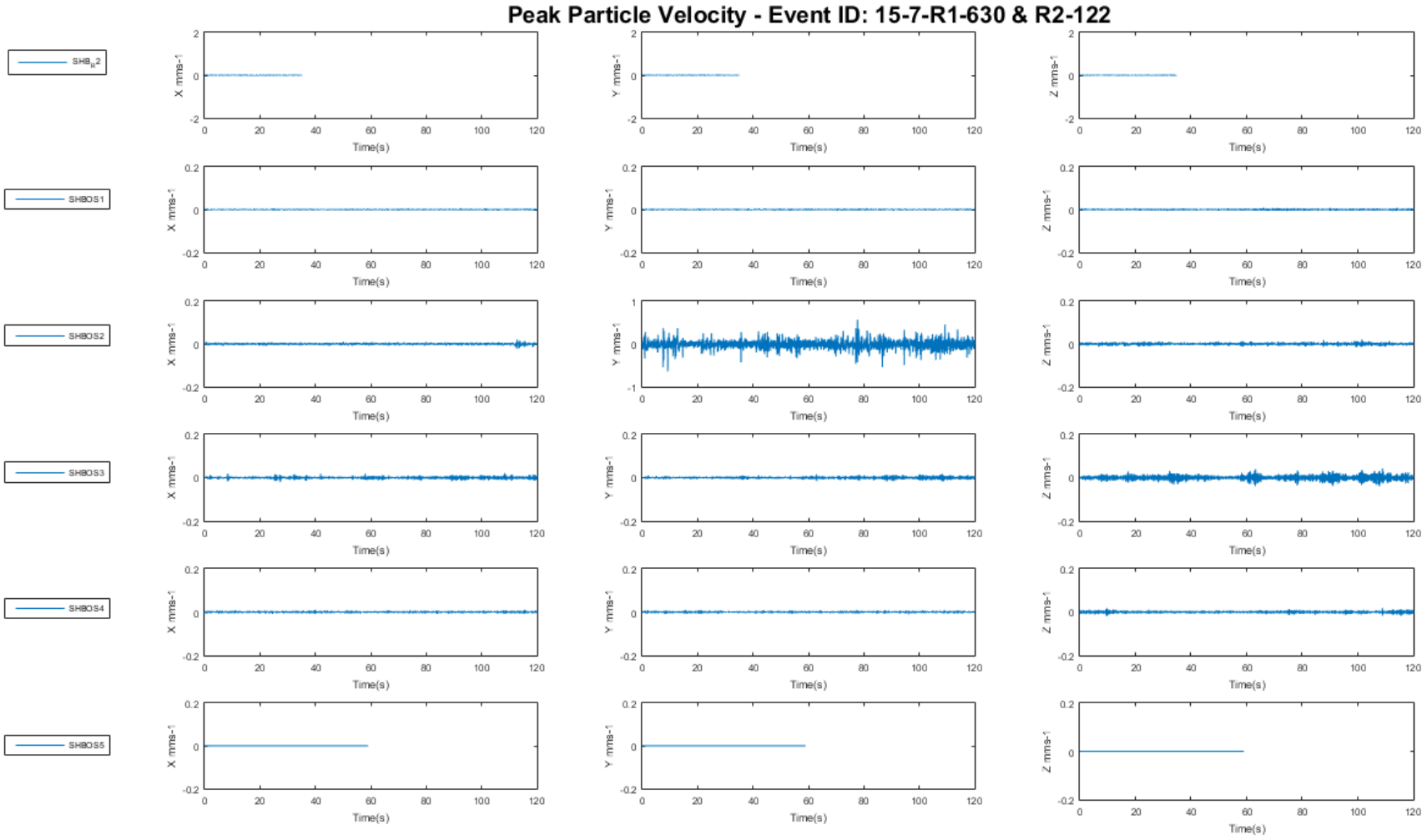


FIGURE 3.892: SHB_OS 1 - 5 15-7-R1-630 & R2-122

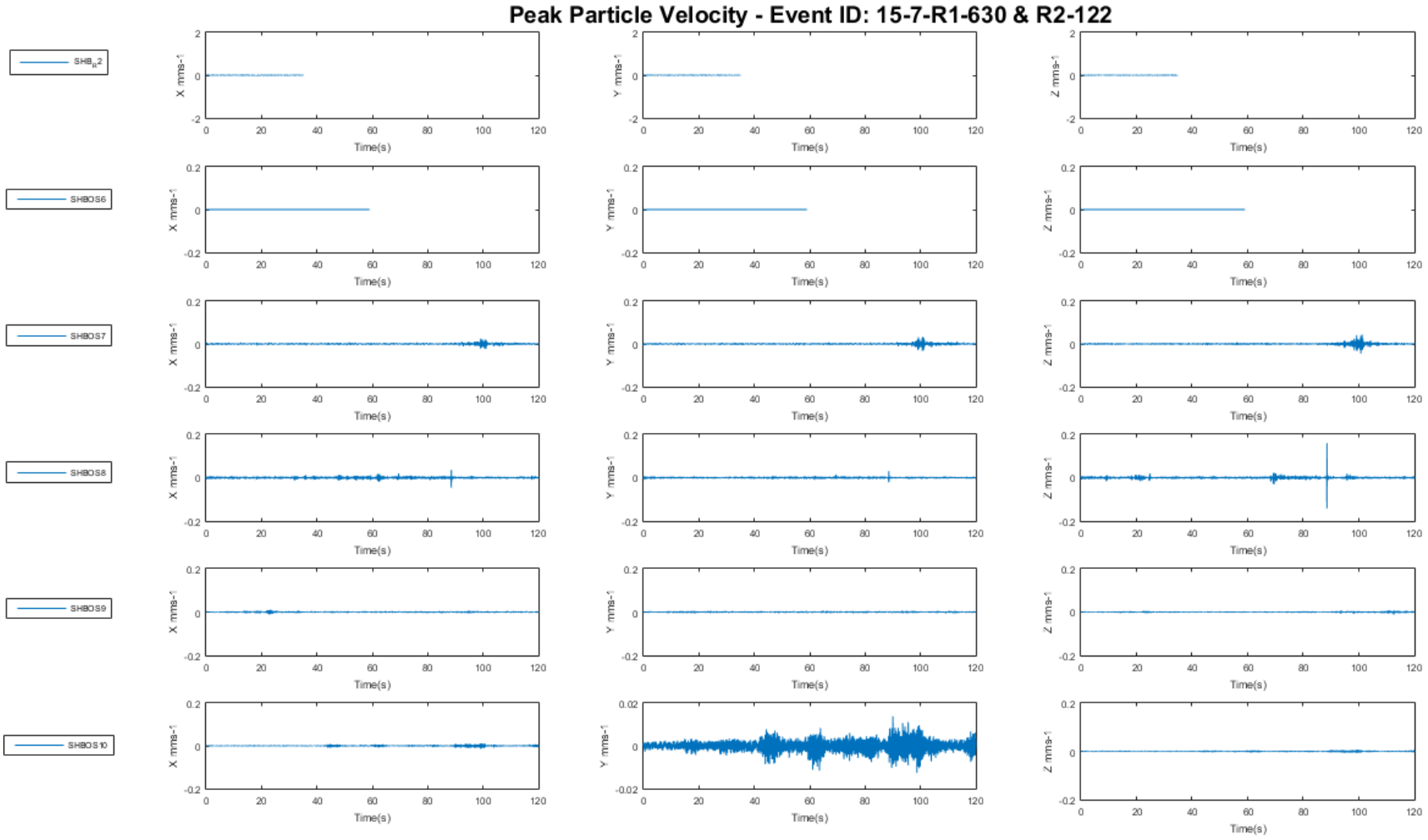


FIGURE 3.893: SHB_OS 6 - 10 15-7-R1-630 & R2-122

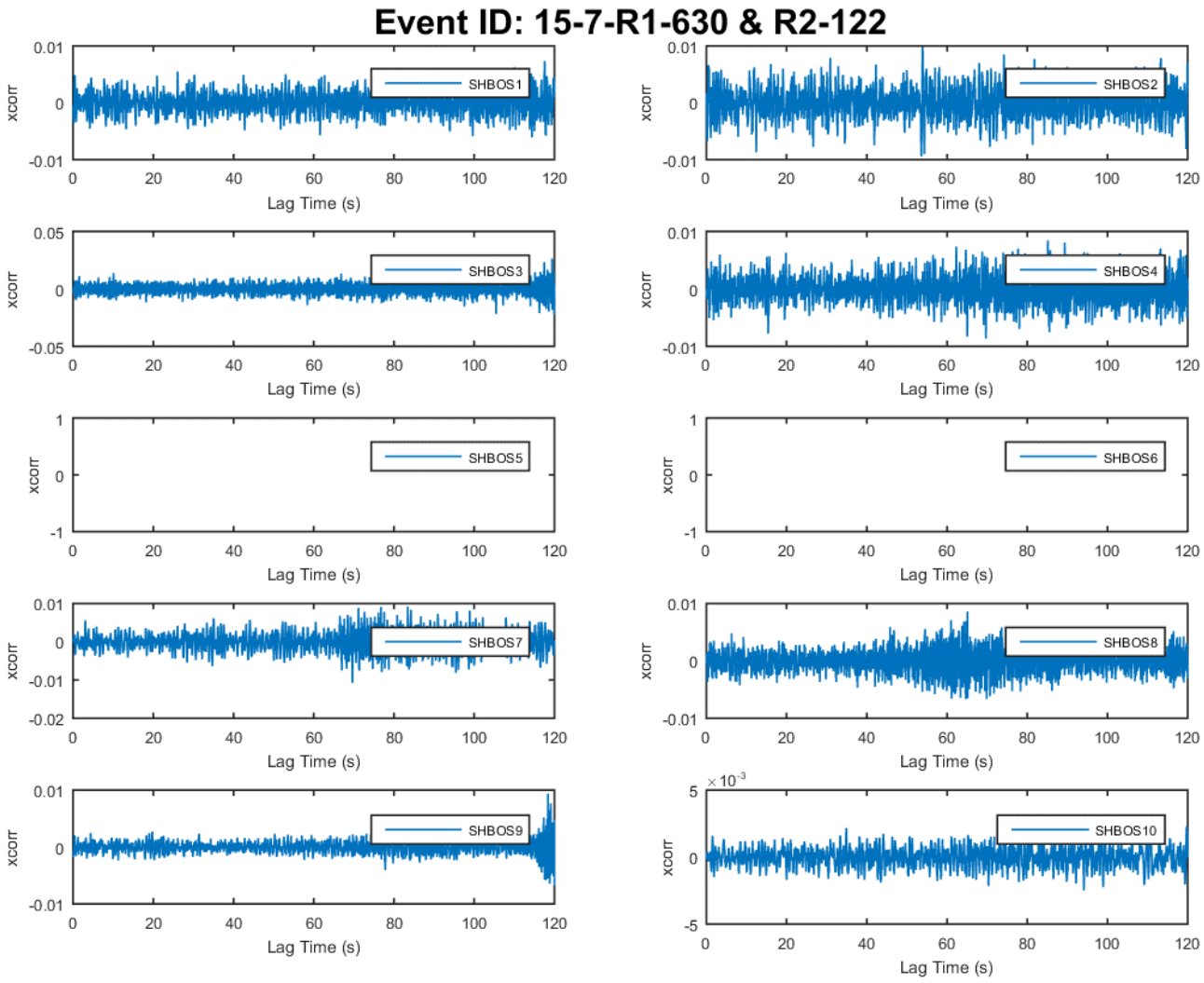


FIGURE 3.894: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-630 & R2-122

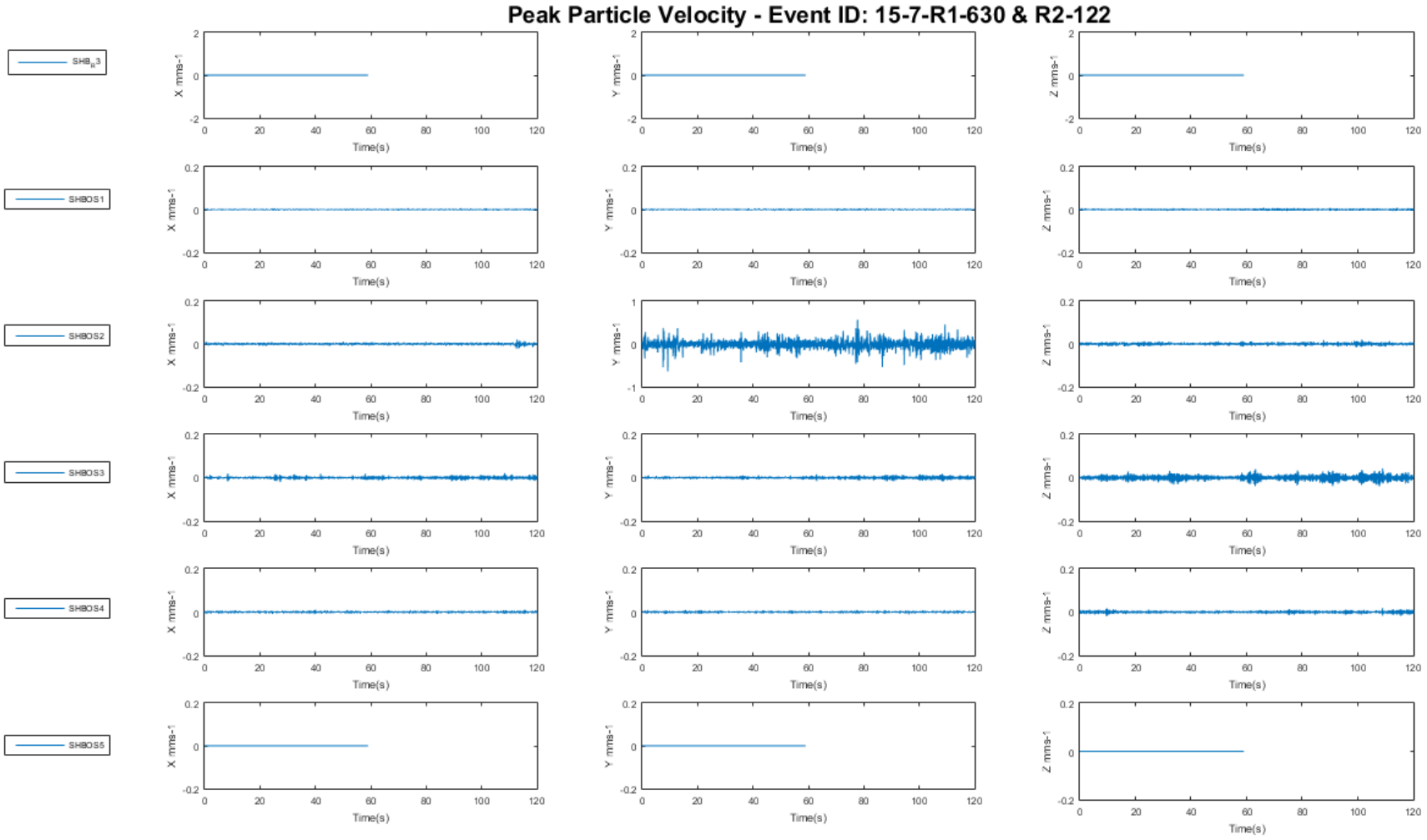


FIGURE 3.895: SHB_OS 1 - 5 15-7-R1-630 & R2-122

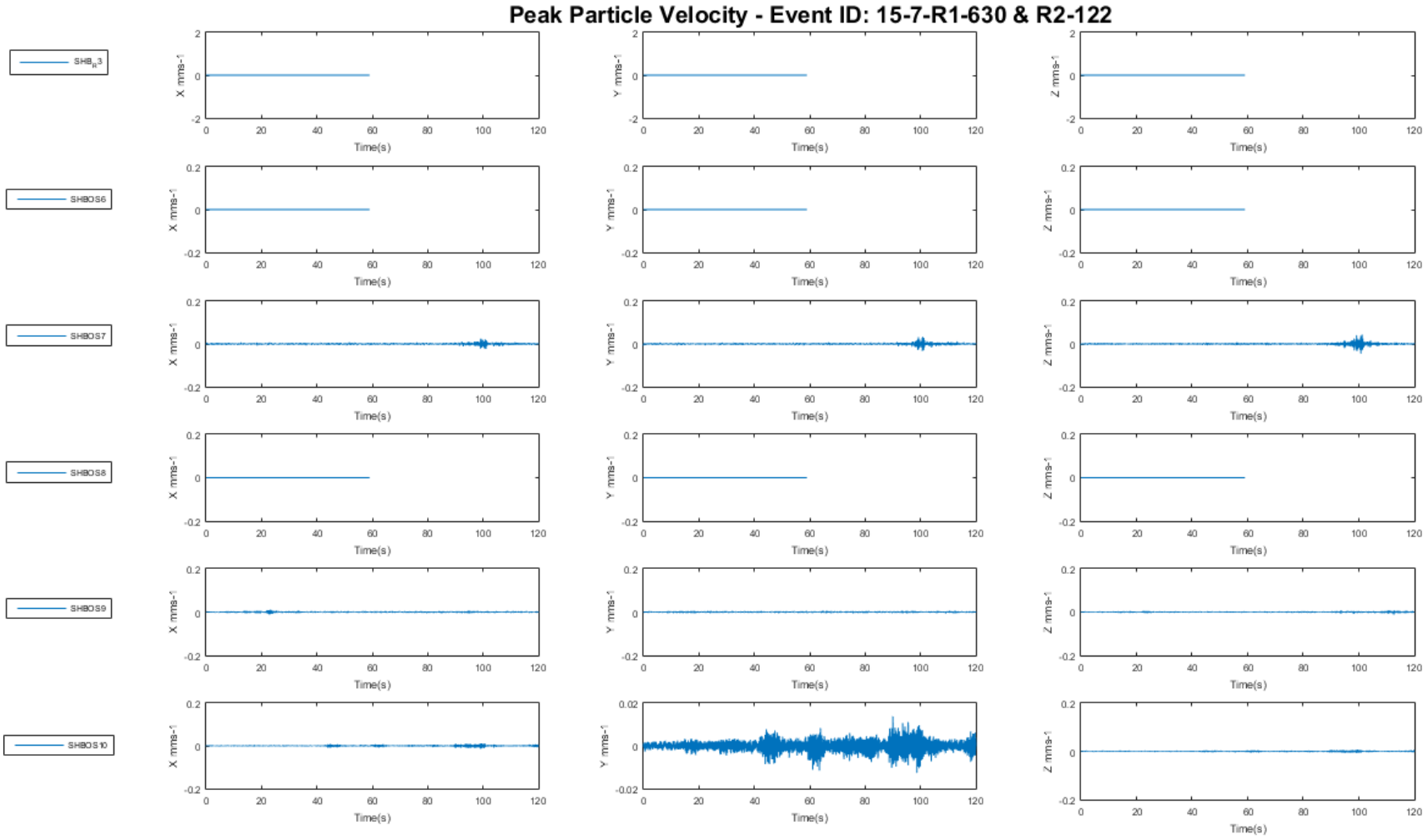


FIGURE 3.896: SHB_OS 6 - 10 15-7-R1-630 & R2-122

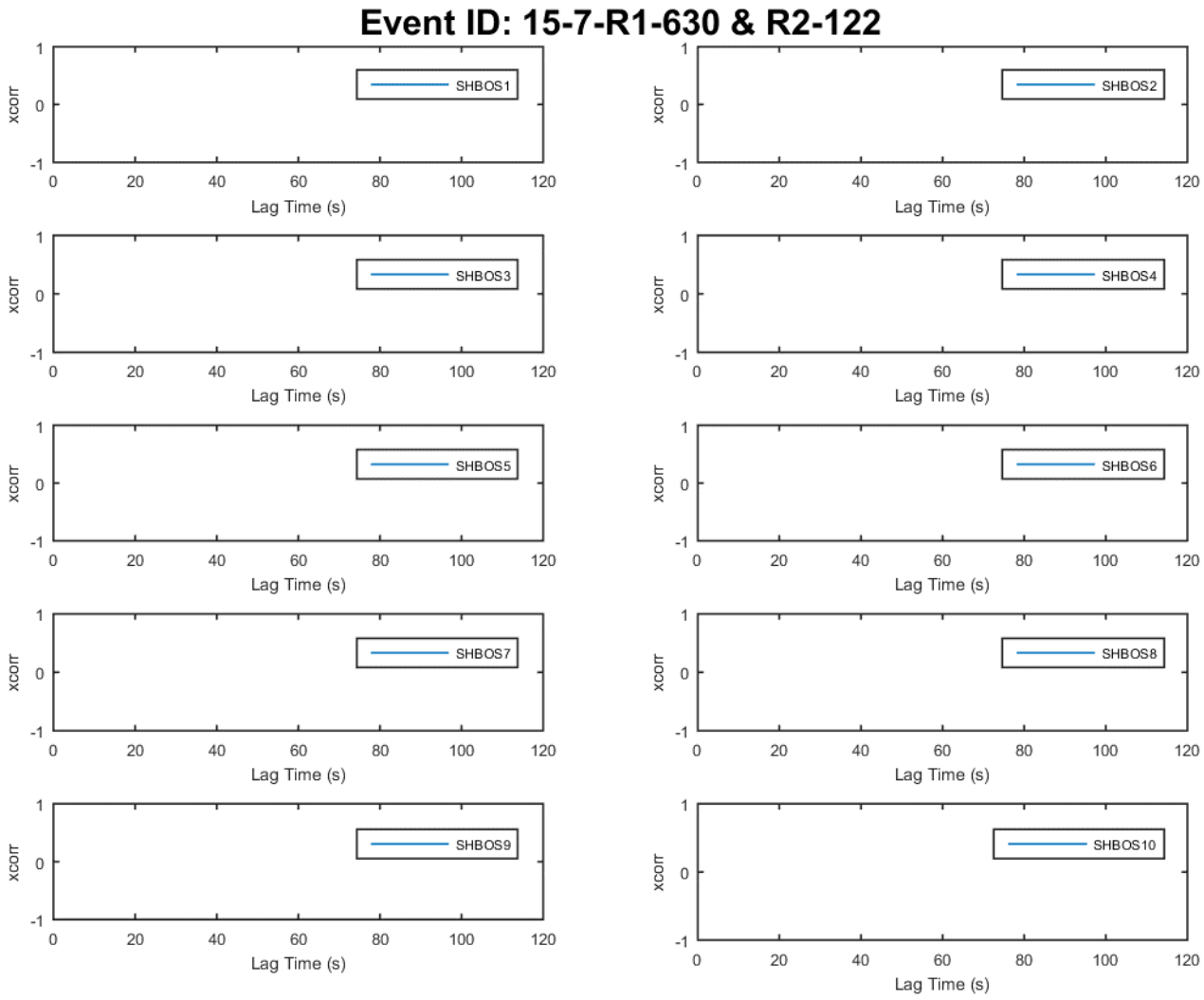


FIGURE 3.897: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-630 & R2-122

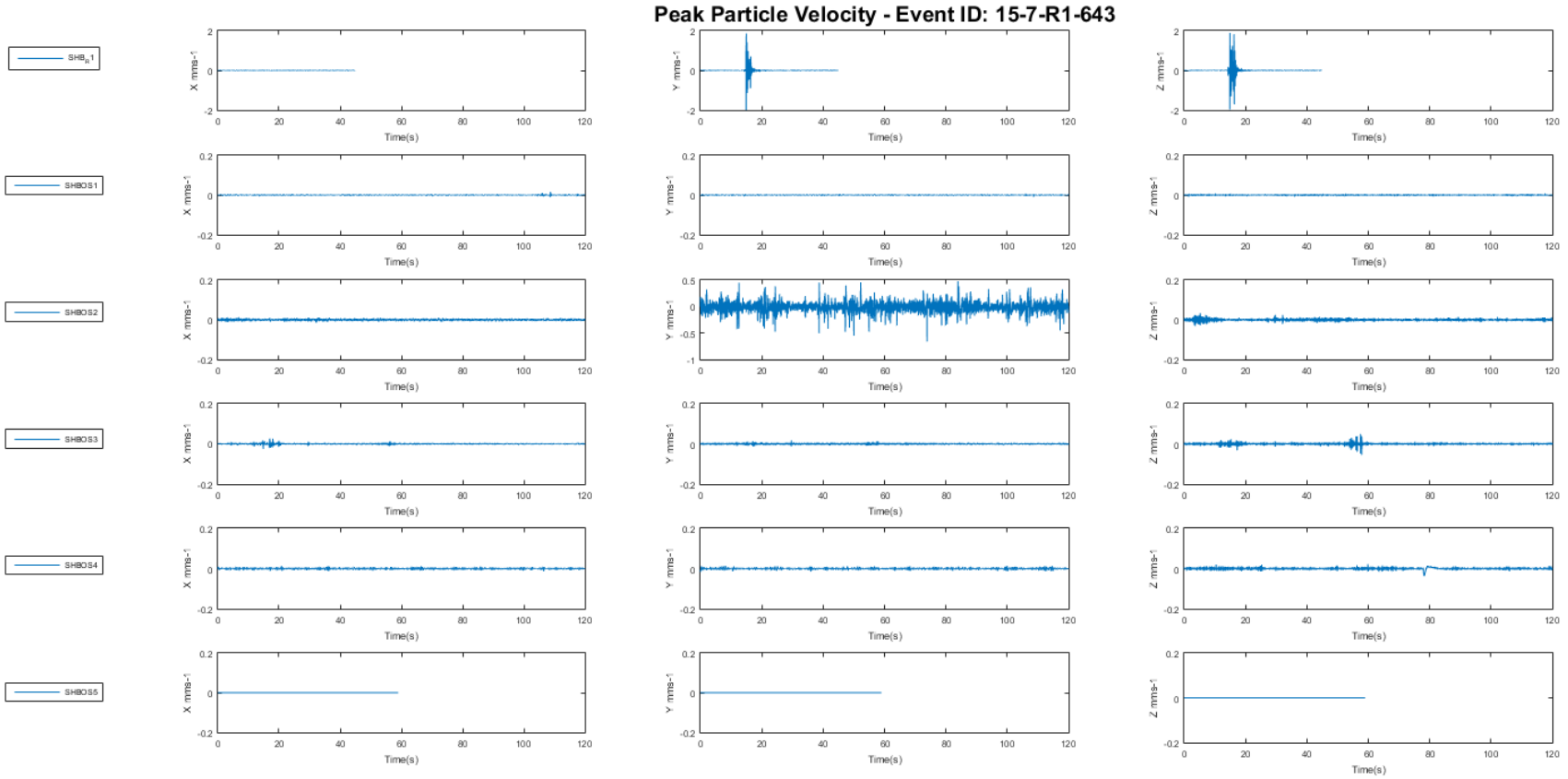
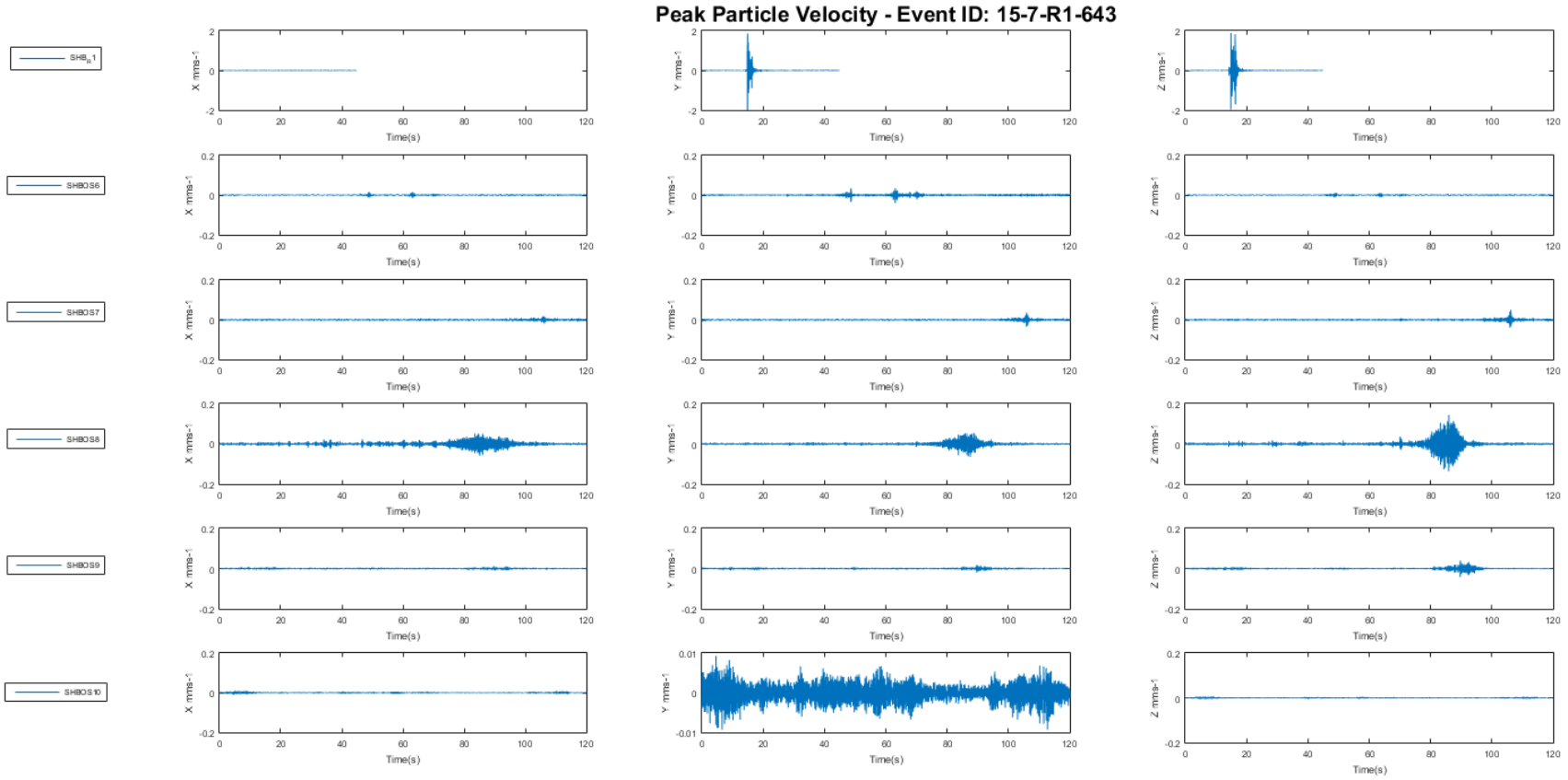


FIGURE 3.898: SHB_OS 1 - 5 15-7-R1-643

FIGURE 3.899: SHB_OS 6 - 10 15-7-R1-643



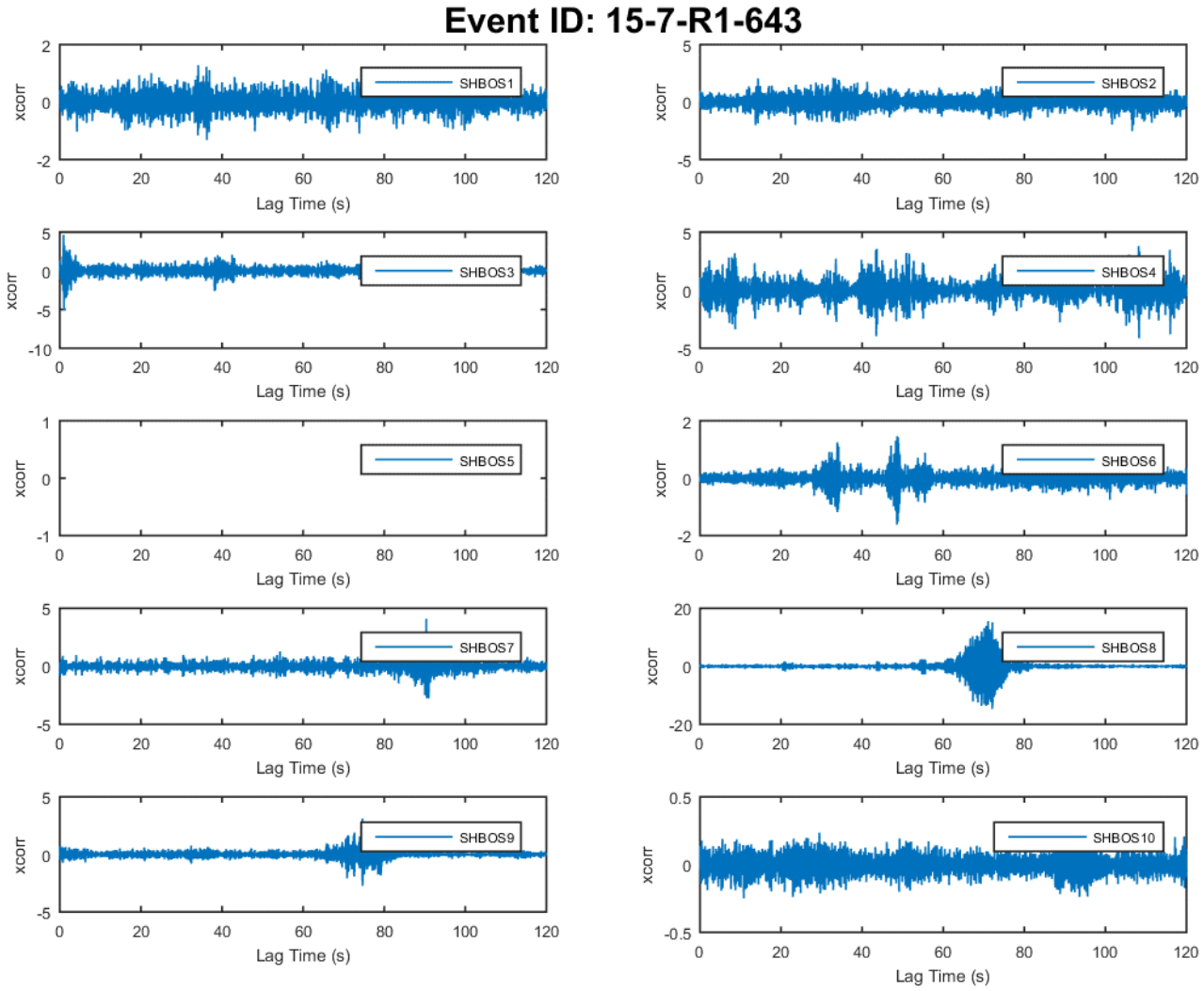


FIGURE 3.900: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-643

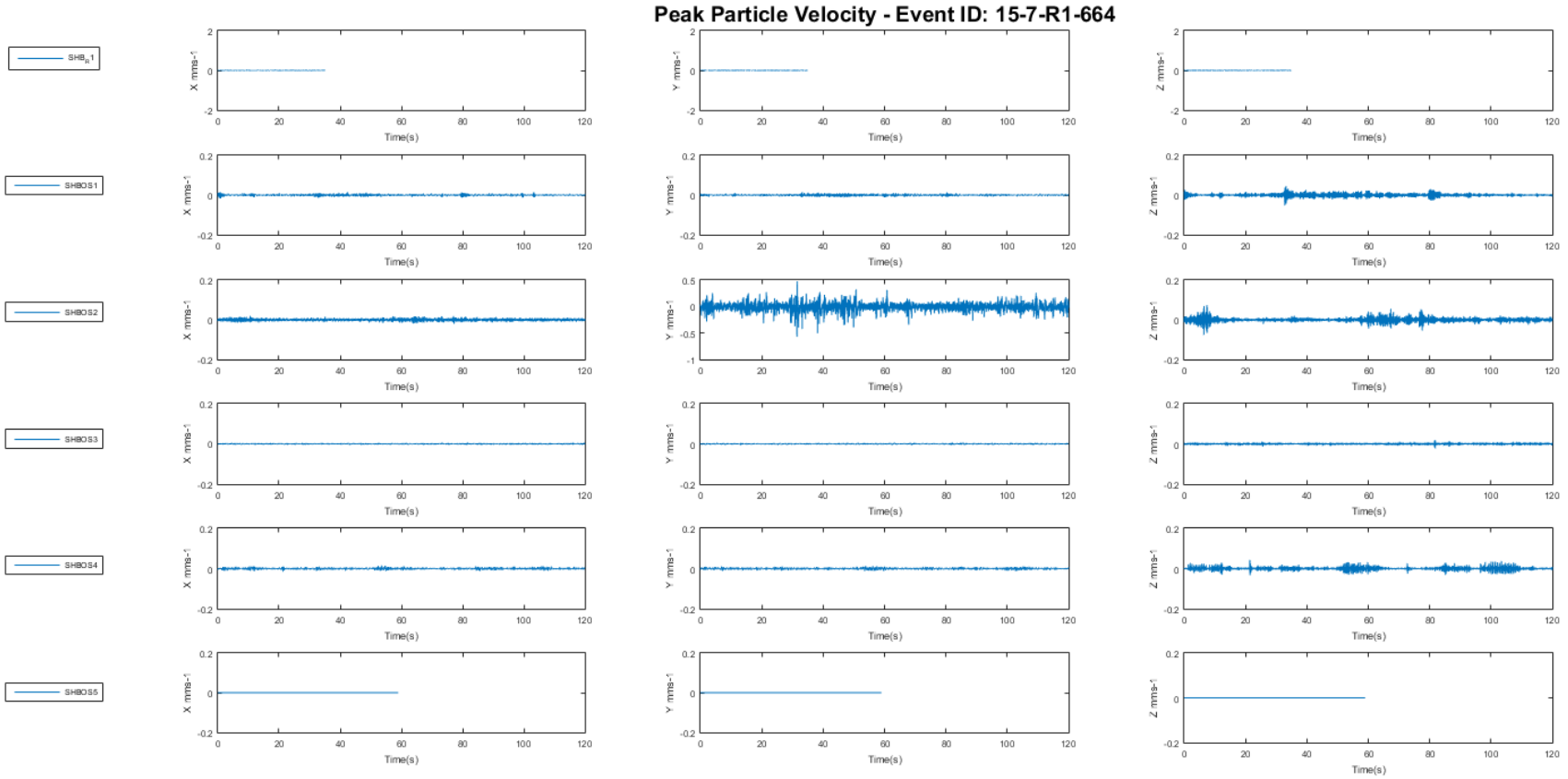
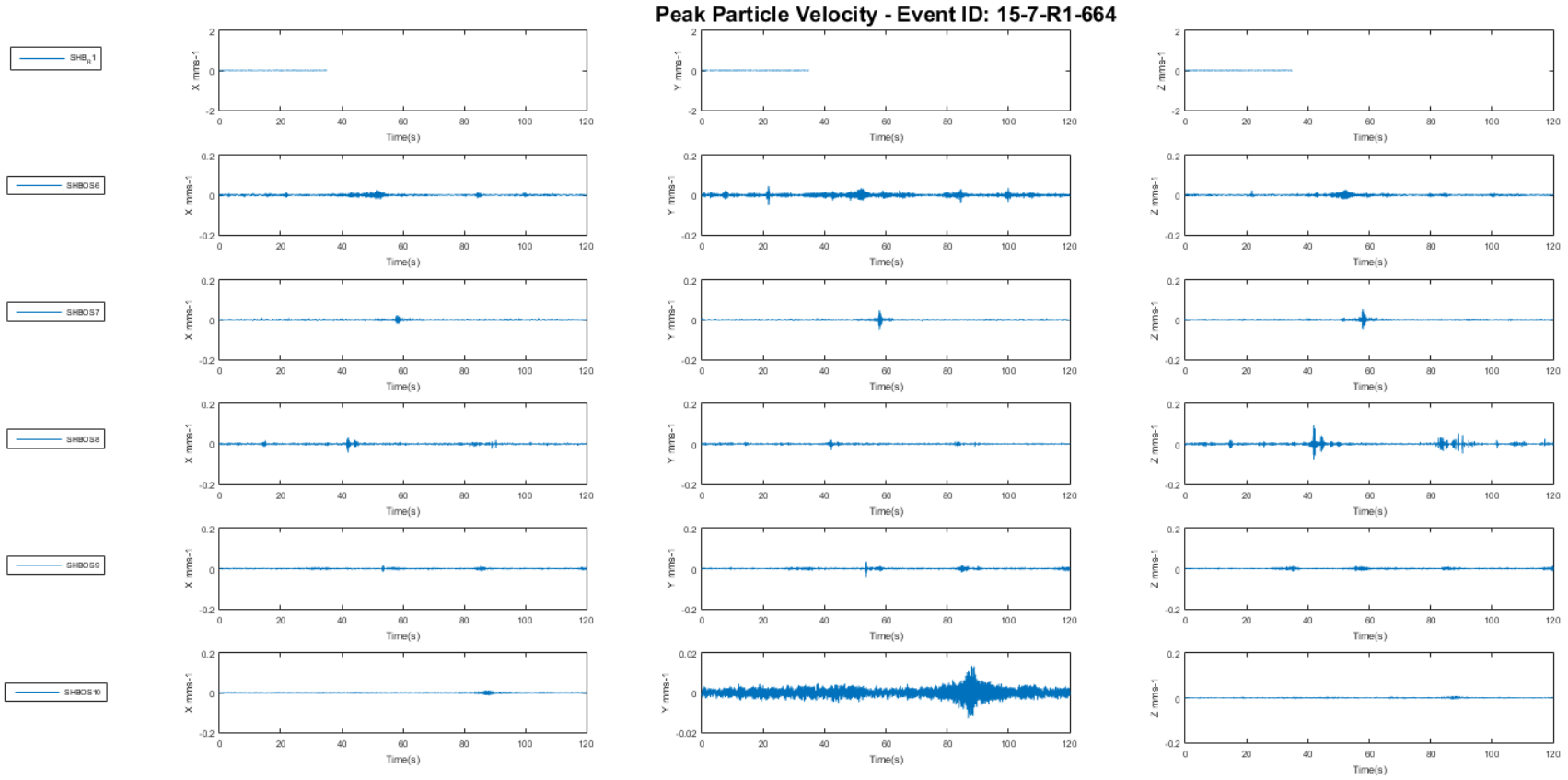


FIGURE 3.901: SHB_OS 1 - 5 15-7-R1-664

FIGURE 3.902: SHB_OS 6 - 10 15-7-R1-664



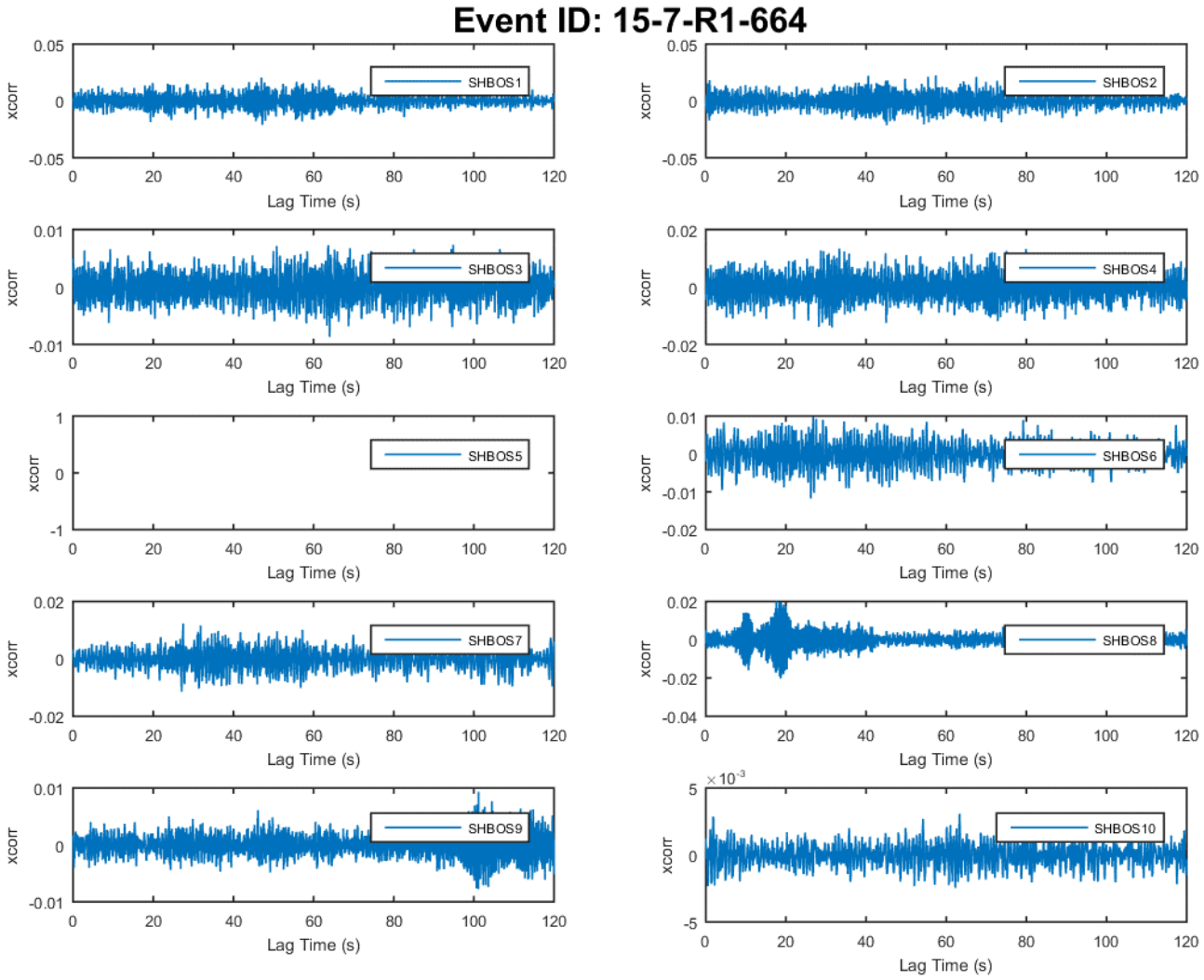


FIGURE 3.903: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-664

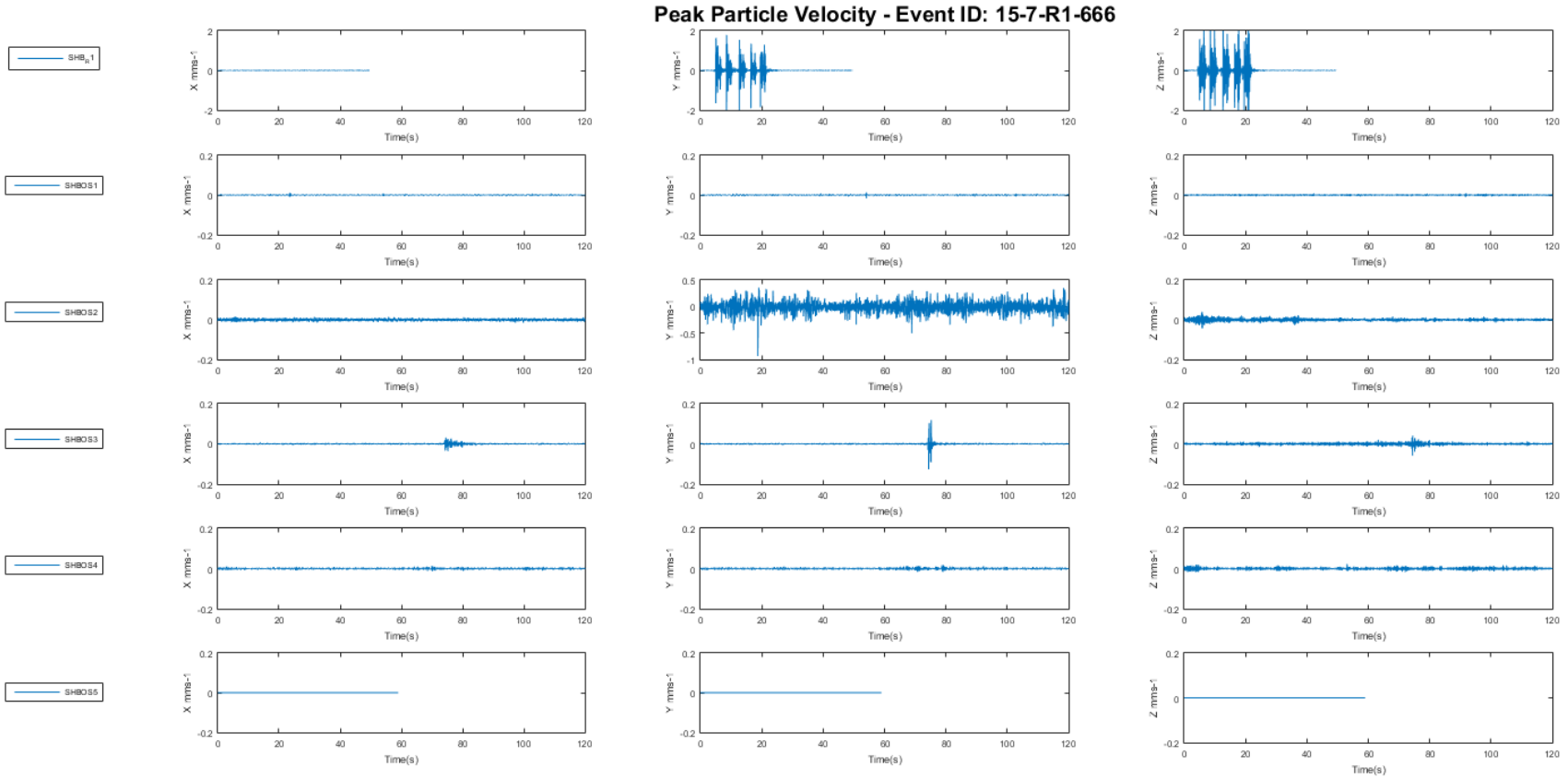
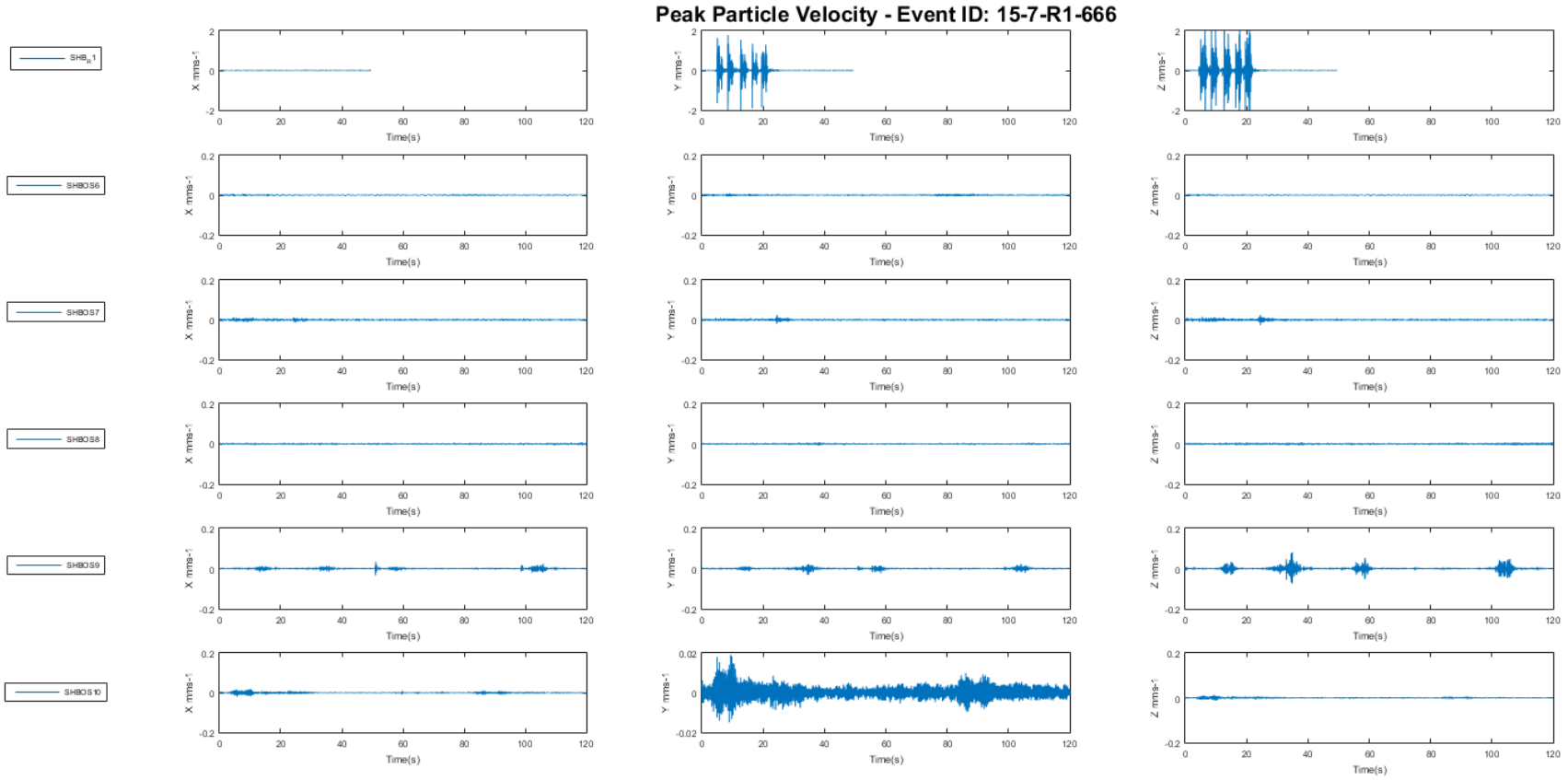


FIGURE 3.904: SHB_OS 1 - 5 15-7-R1-666

FIGURE 3.905: SHB_OS 6 - 10 15-7-R1-666



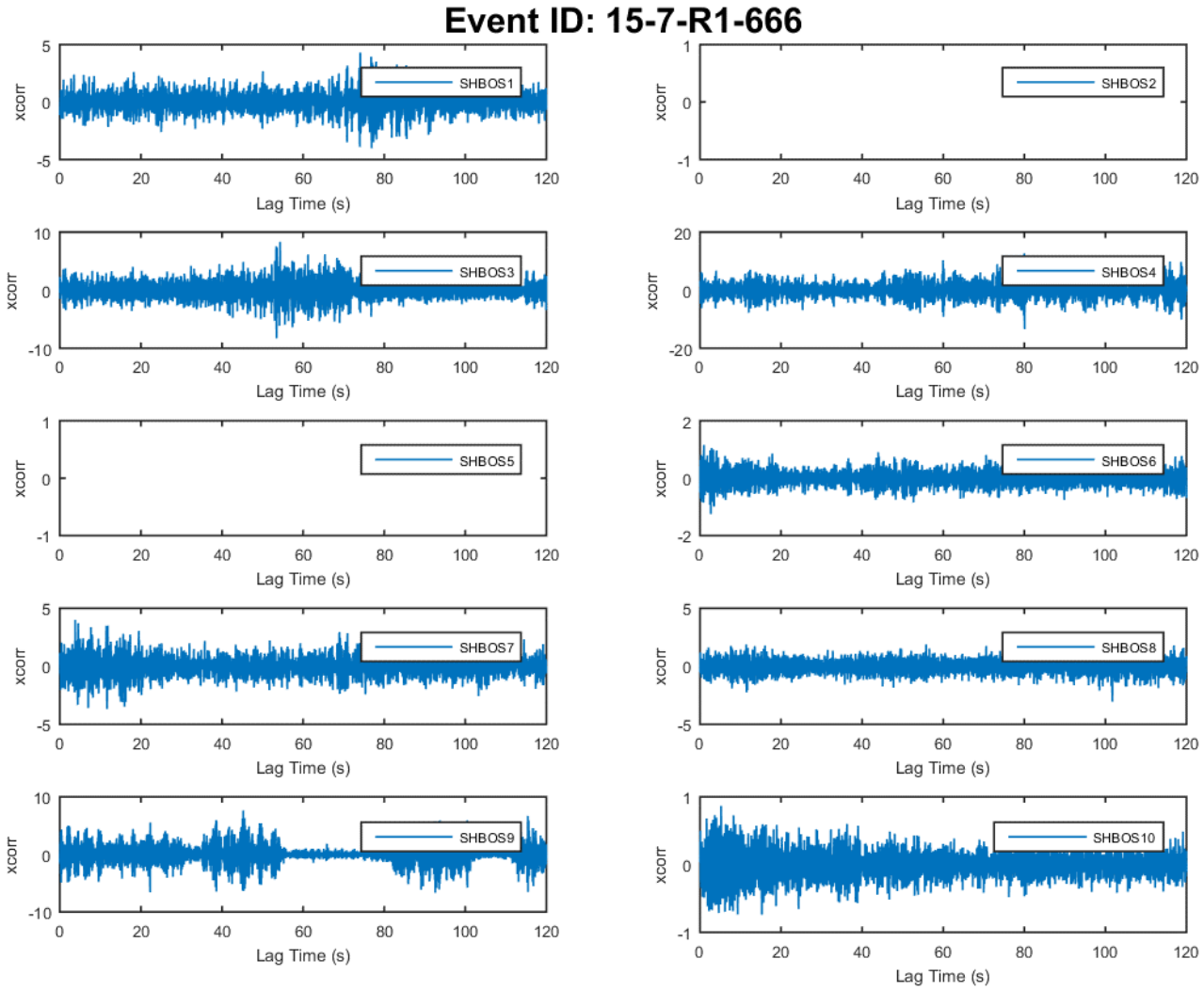


FIGURE 3.906: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-666

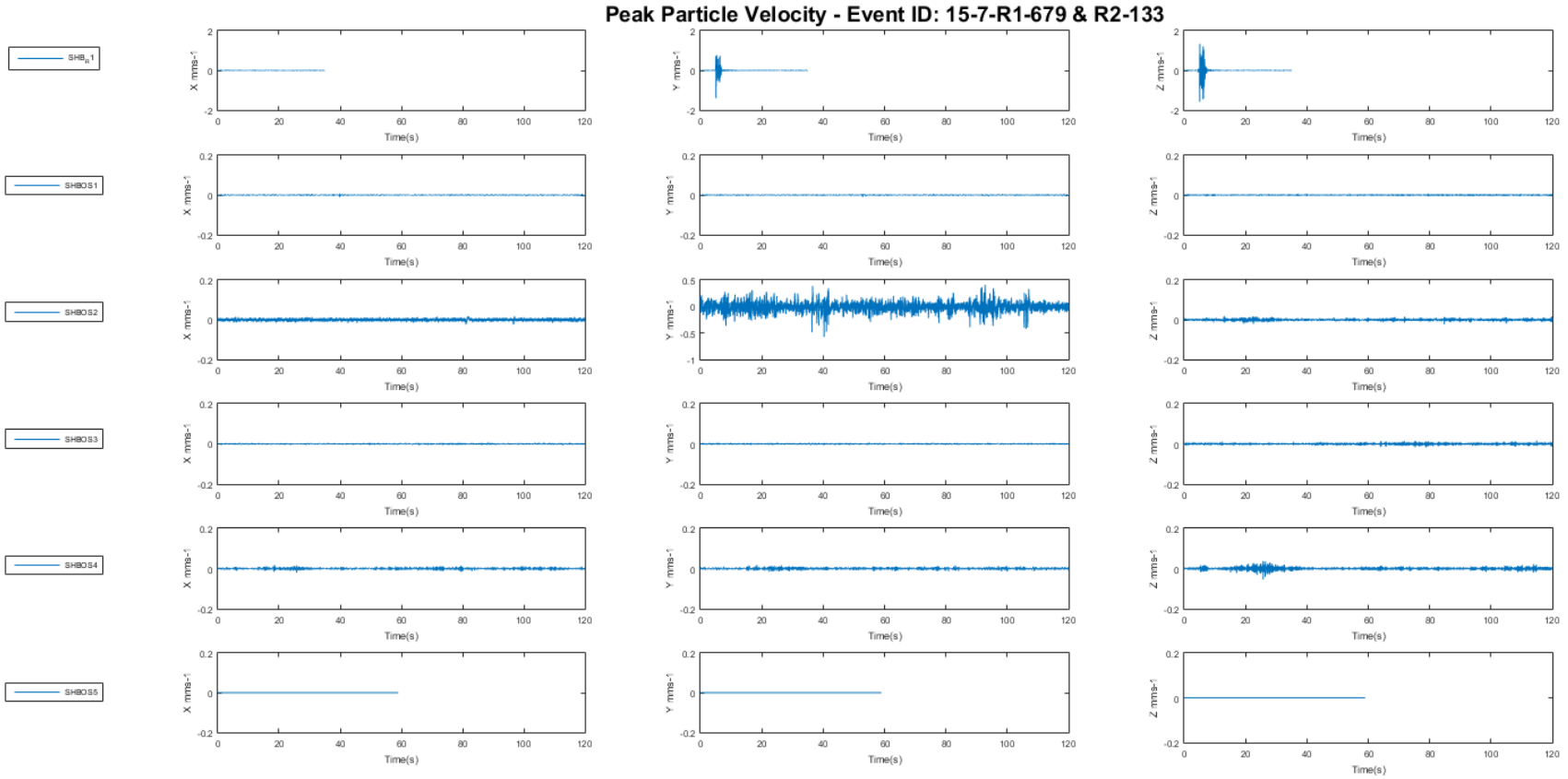
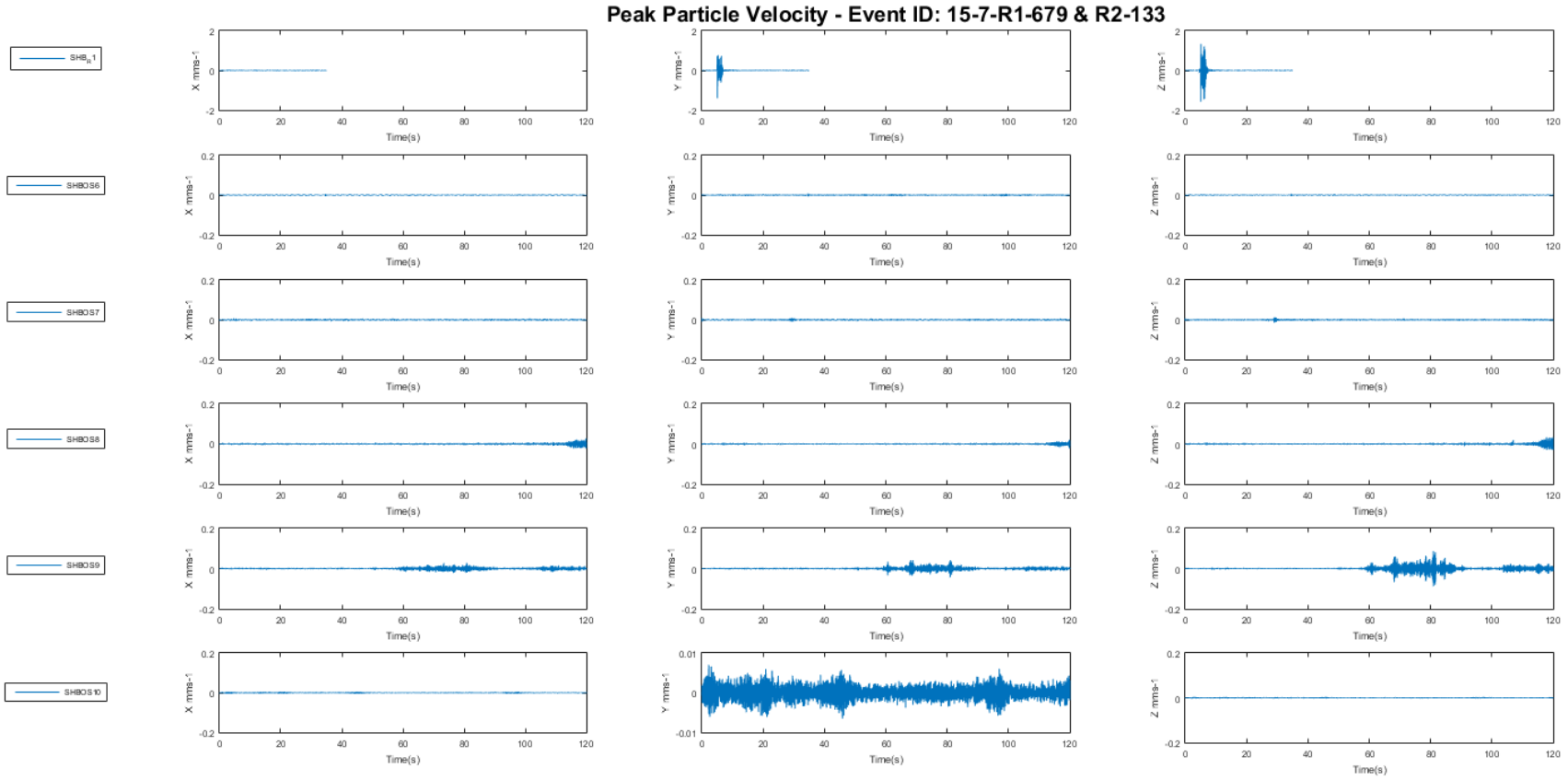


FIGURE 3.907: SHB_OS 1 - 5 15-7-R1-679 & R2-133

FIGURE 3.908: SHB_OS 6 - 10 15-7-R1-679 & R2-133



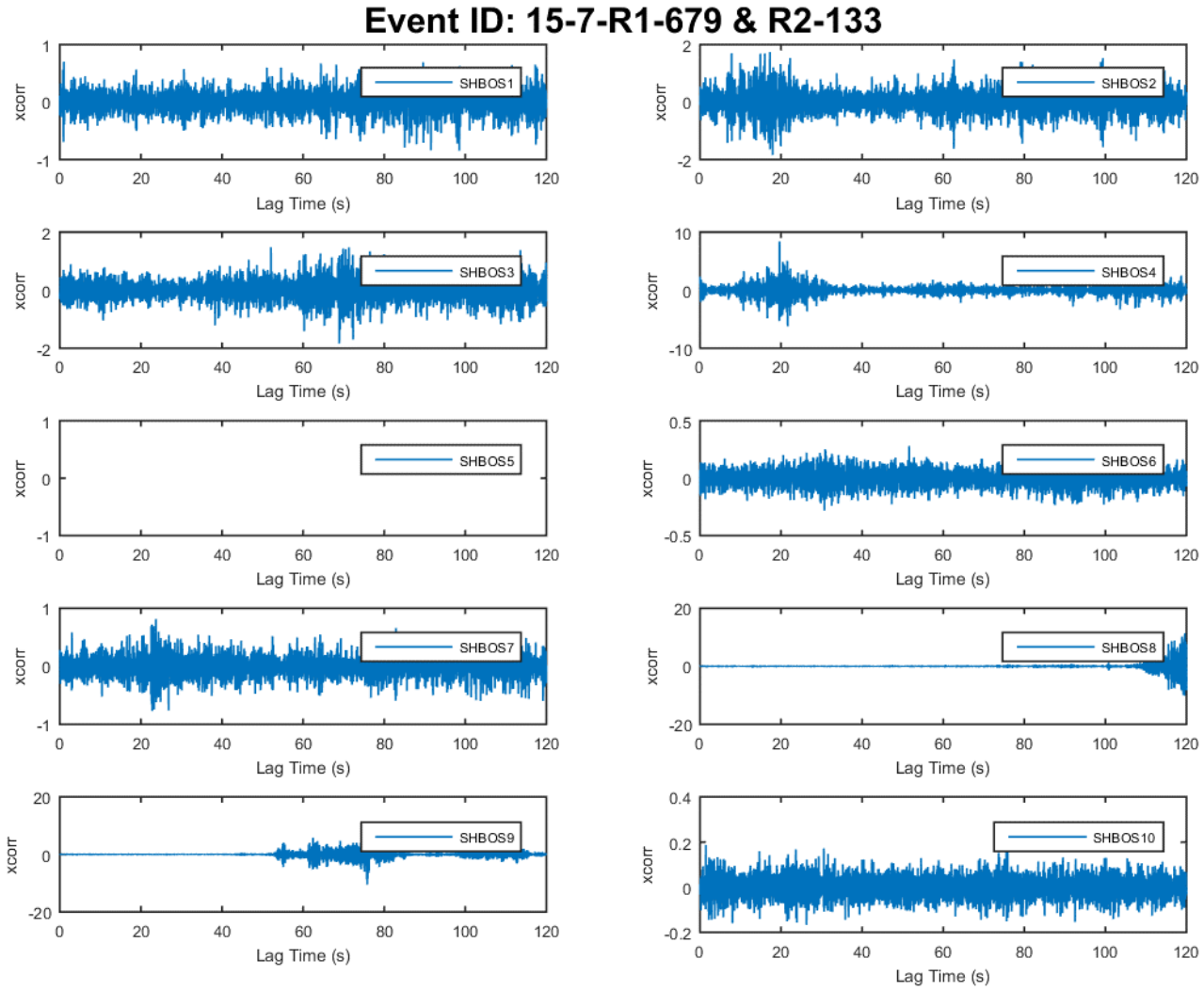


FIGURE 3.909: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-679 & R2-133

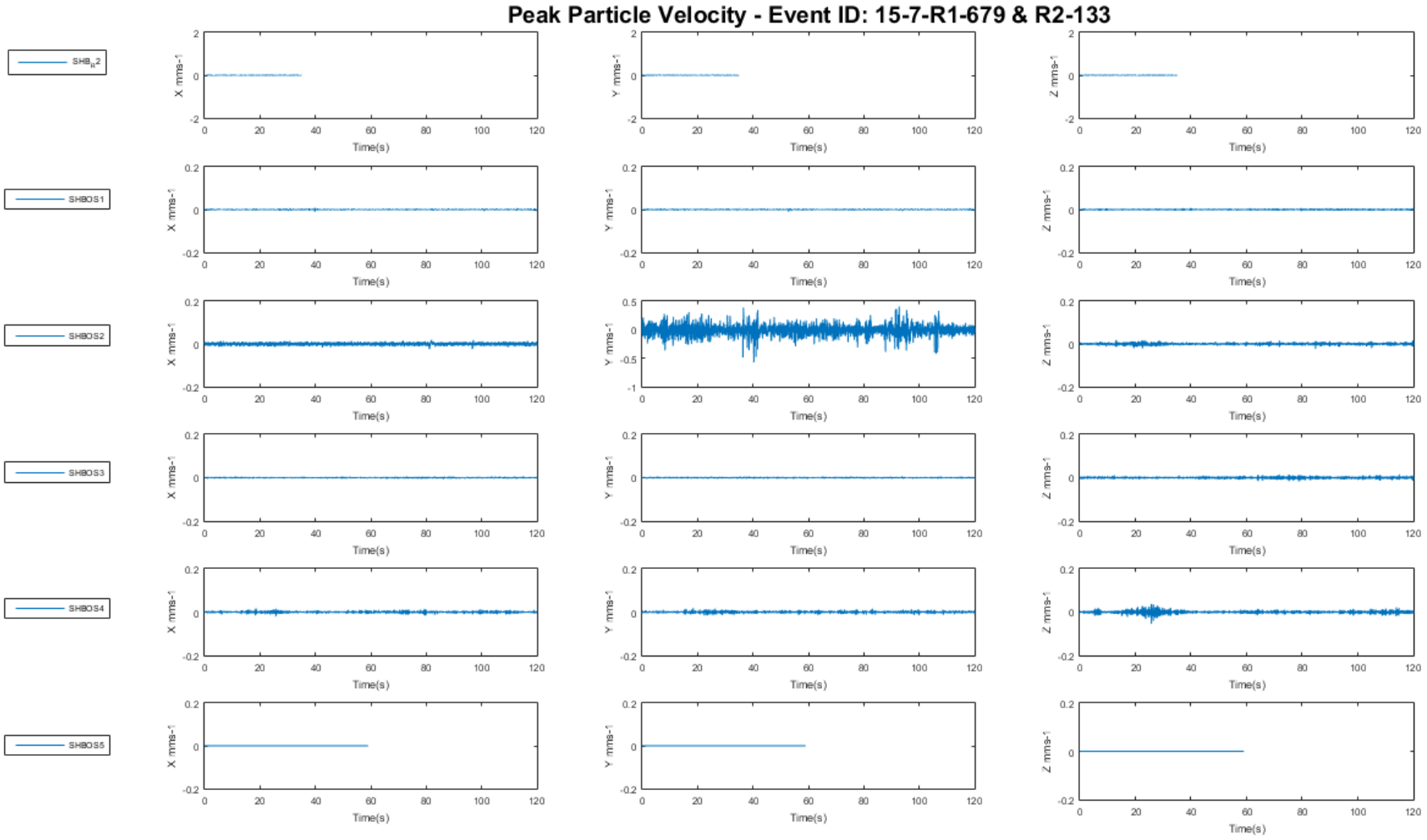


FIGURE 3.910: SHB_OS 1 - 5 15-7-R1-679 & R2-133

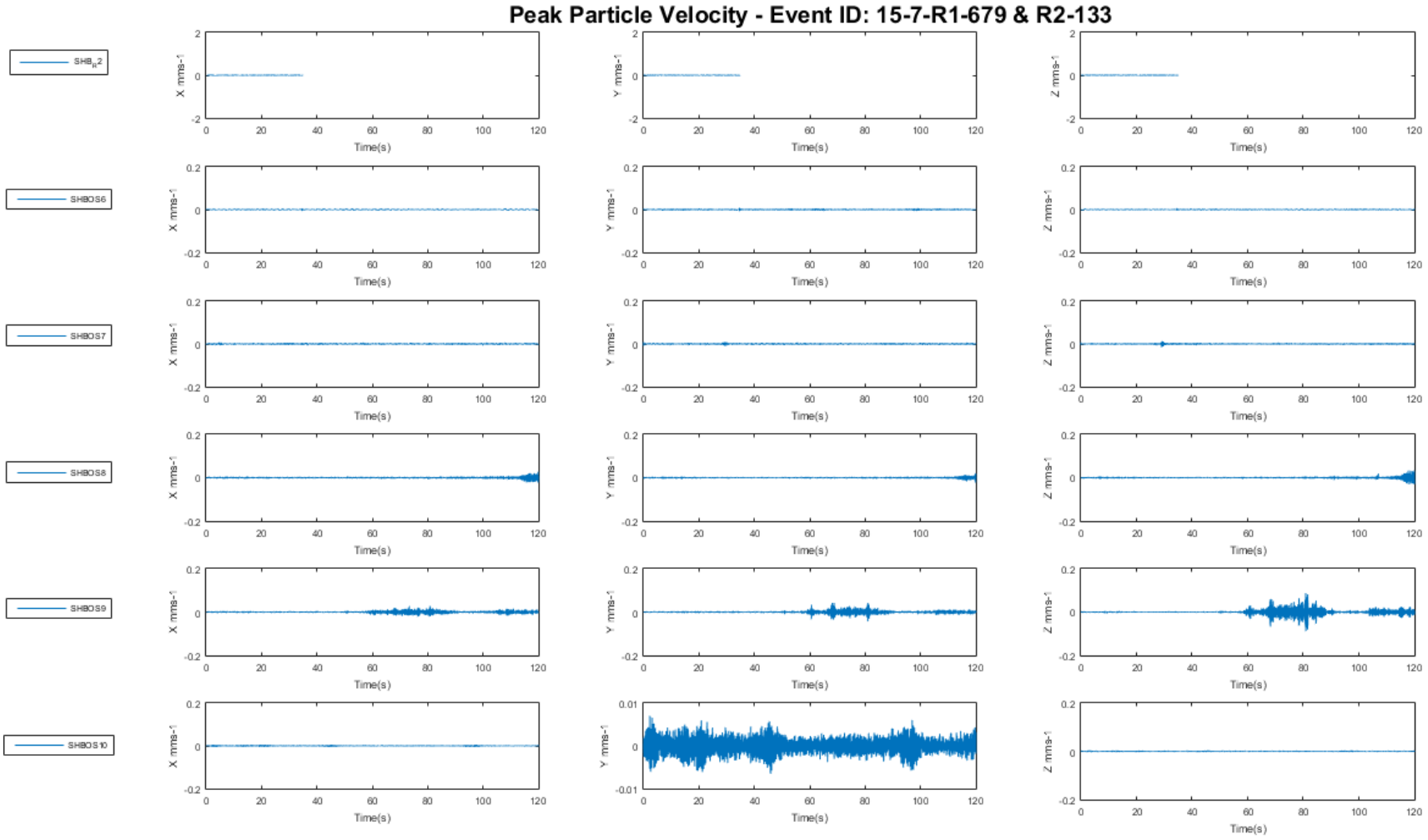


FIGURE 3.911: SHB_OS 6 - 10 15-7-R1-679 & R2-133

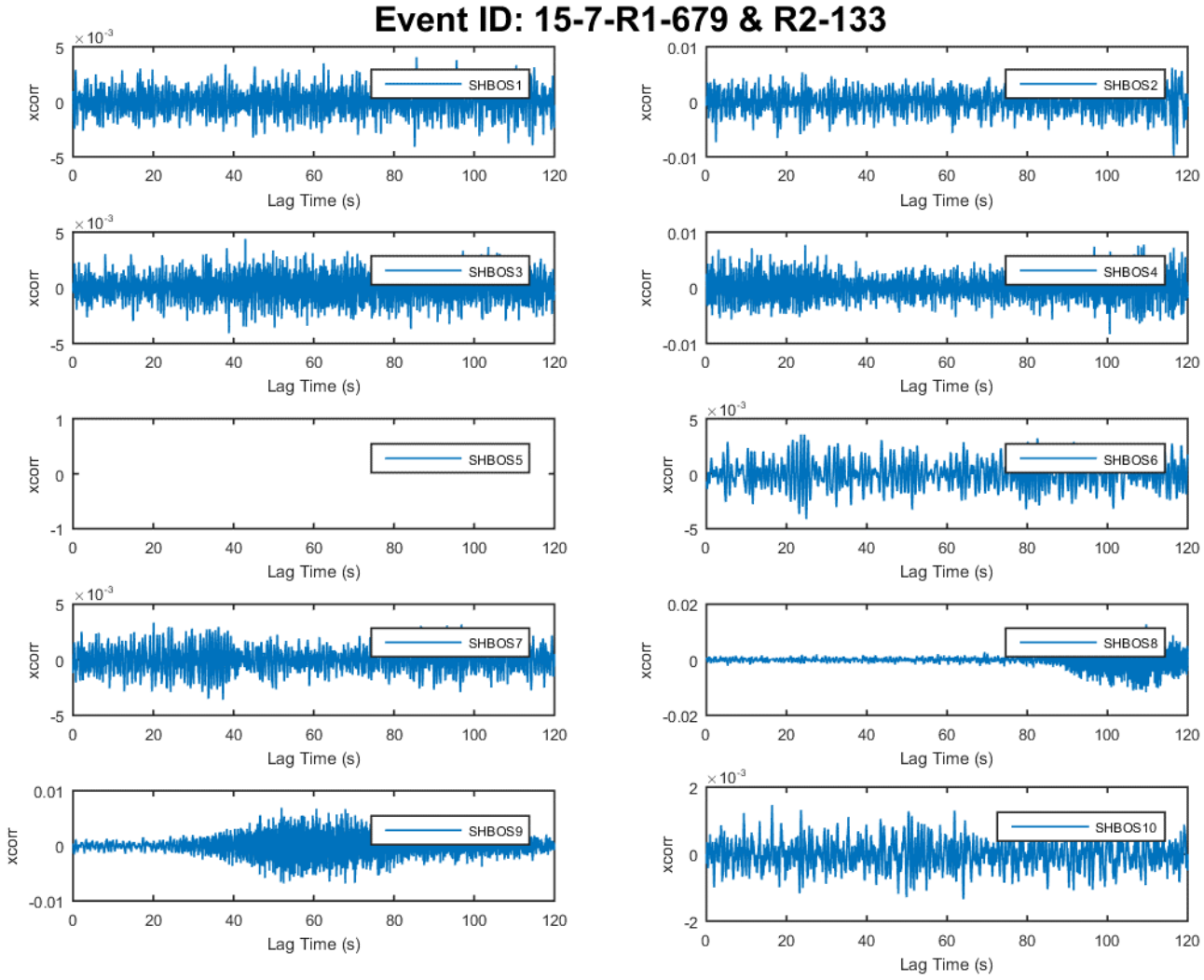


FIGURE 3.912: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-679 & R2-133

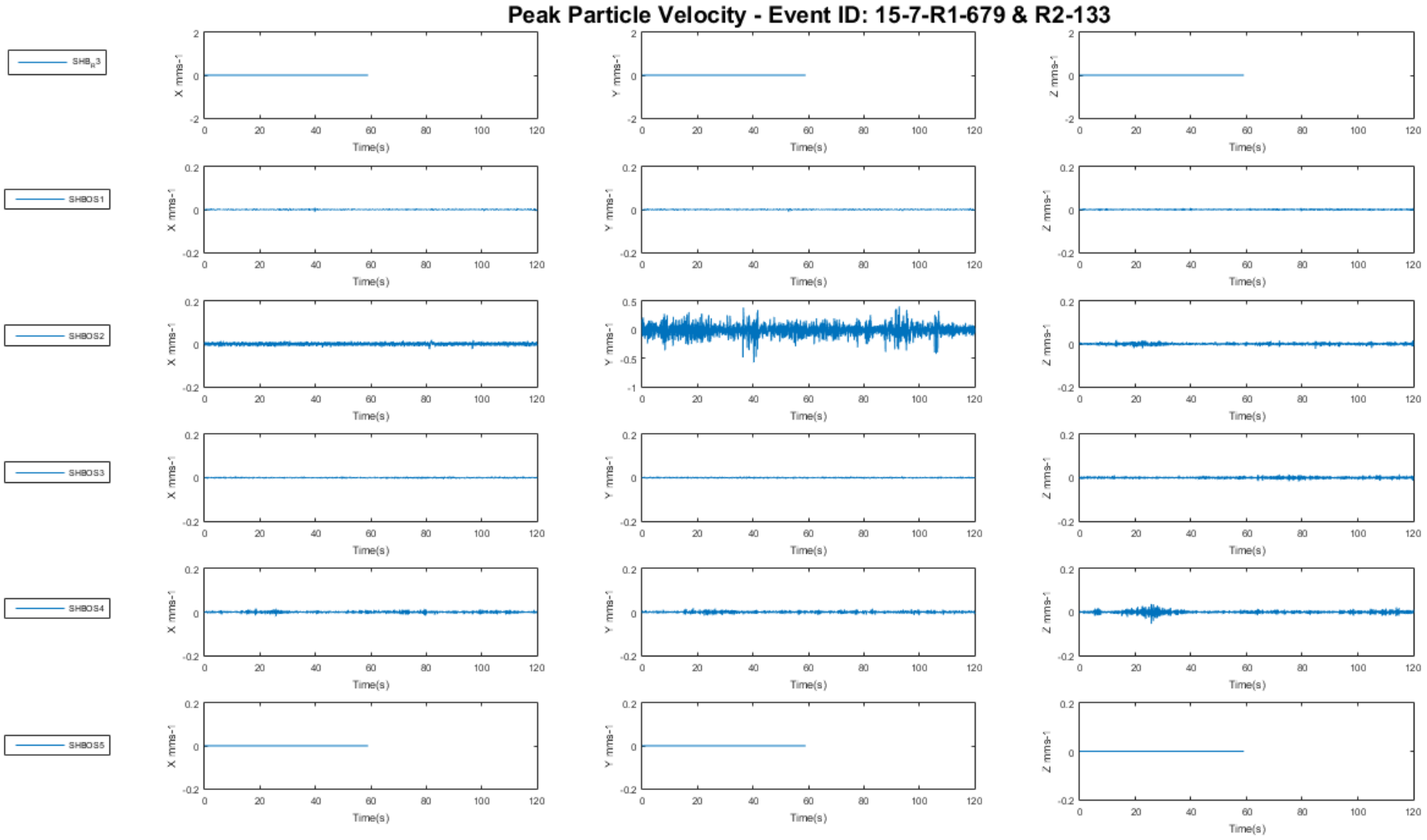


FIGURE 3.913: SHB_OS 1 - 5 15-7-R1-679 & R2-133

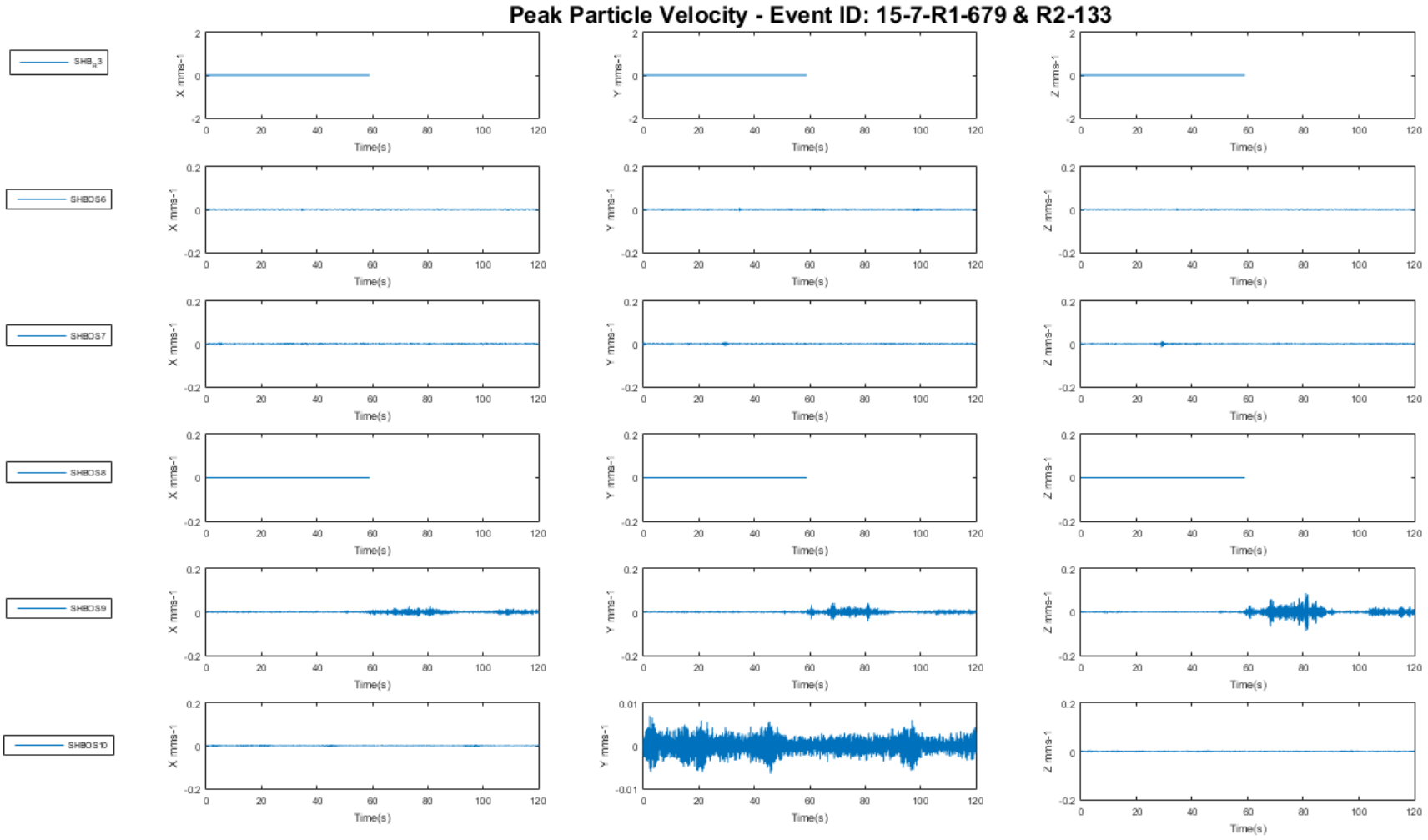


FIGURE 3.914: SHB_OS 6 - 10 15-7-R1-679 & R2-133

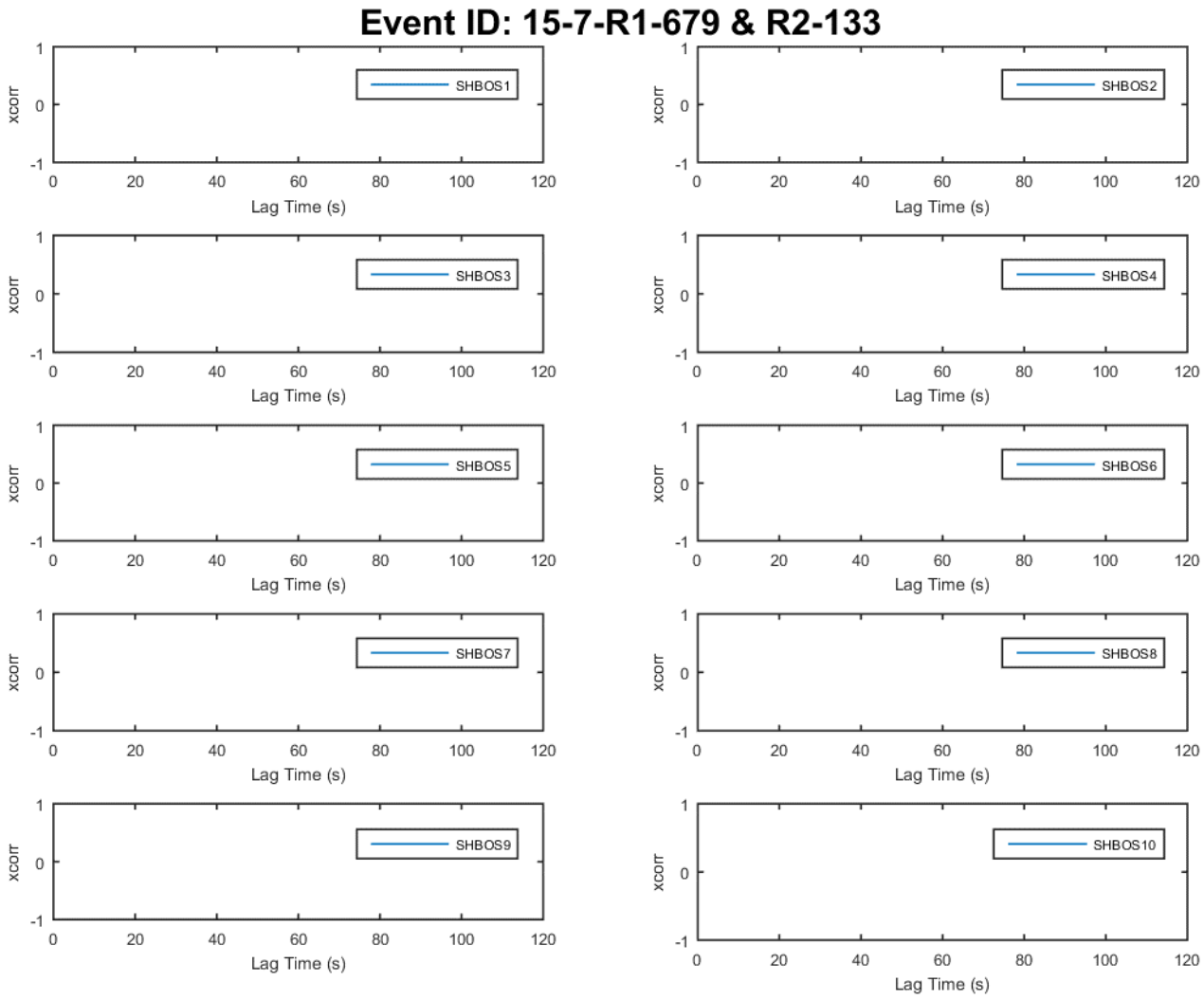


FIGURE 3.915: CROSS CORRELATION SHB_OS 1 - 10 15-7-R1-679 & R2-133

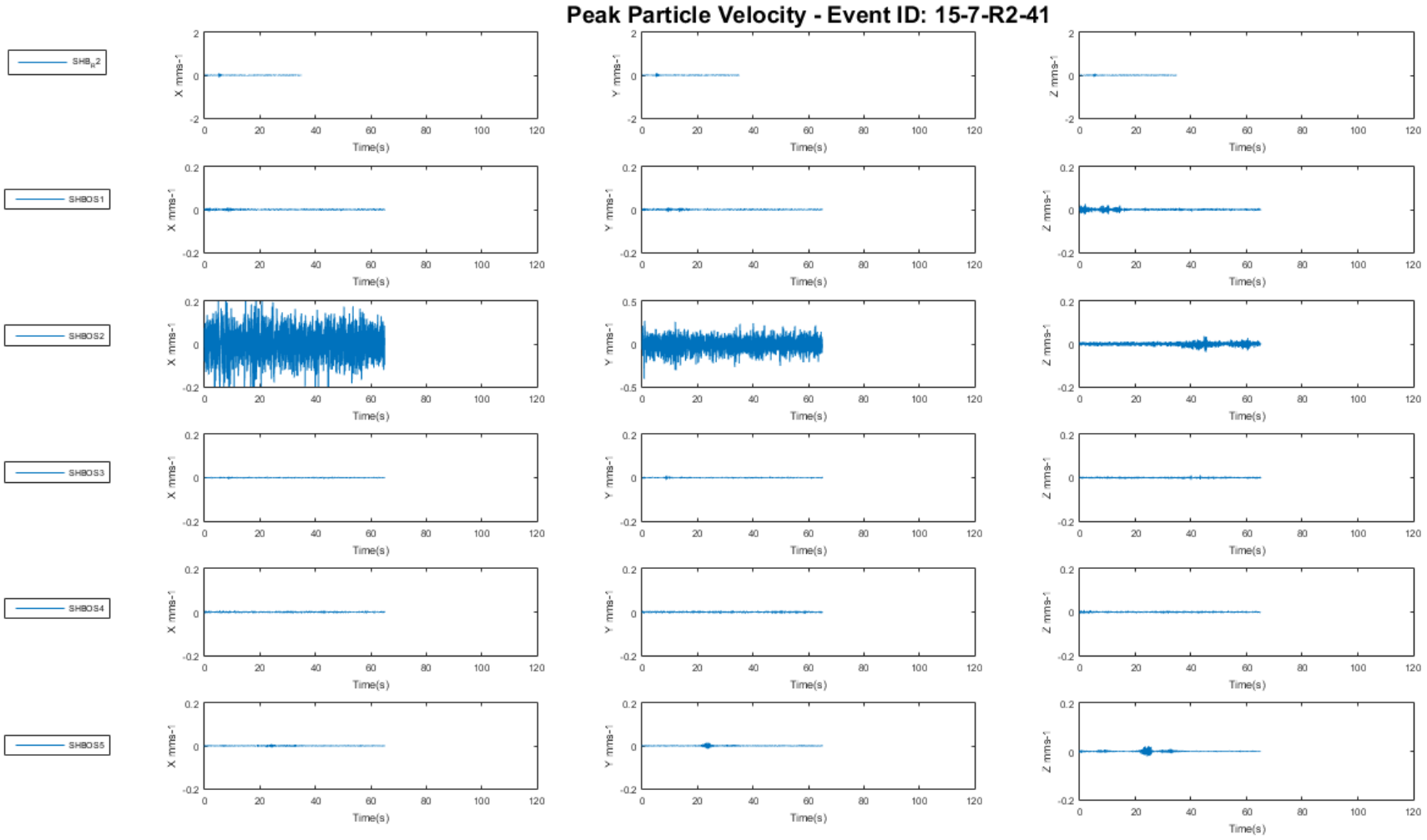


FIGURE 3.916: SHB_OS 1 - 5 15-7-R2-41

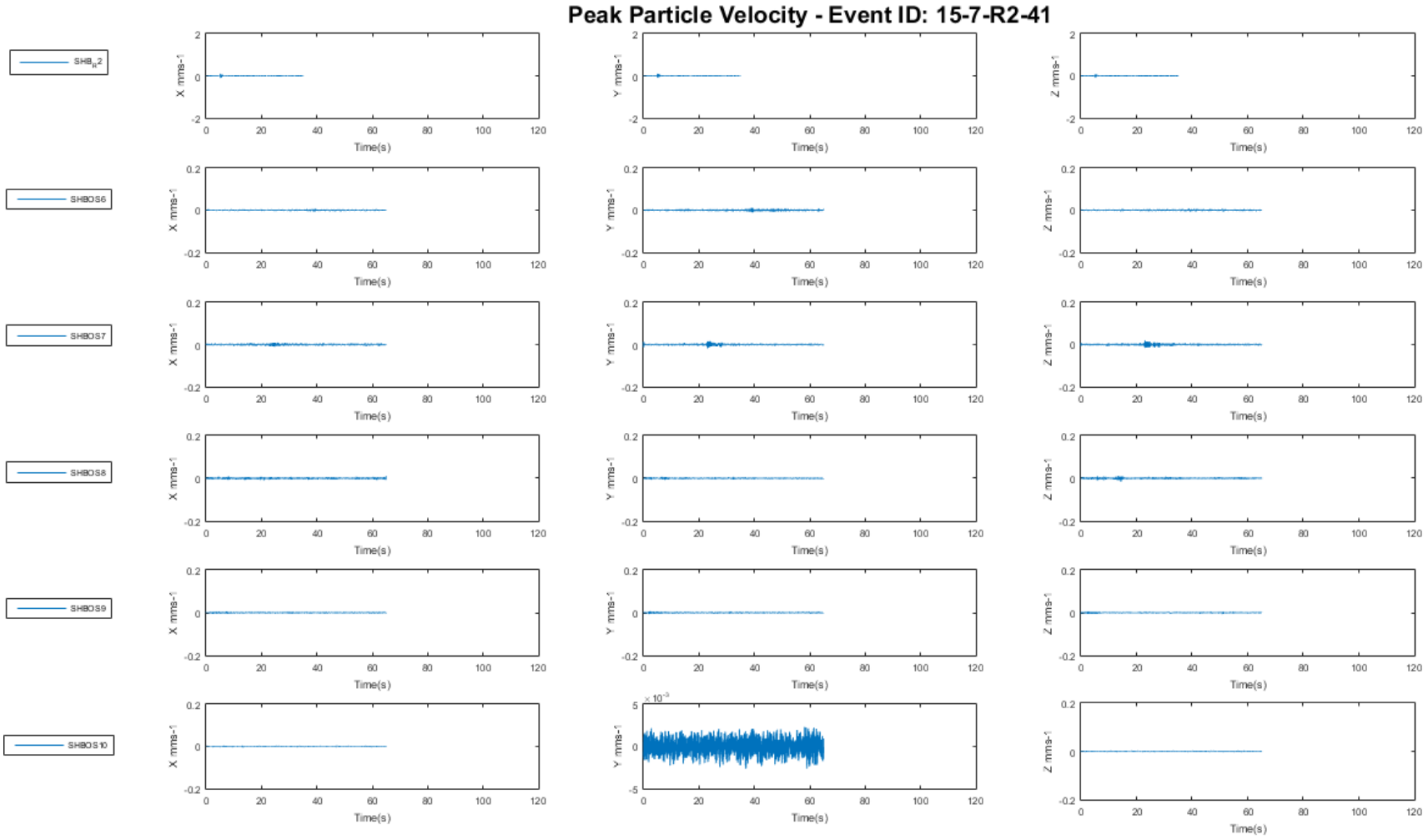


FIGURE 3.917: SHB_OS 6 - 10 15-7-R2-41

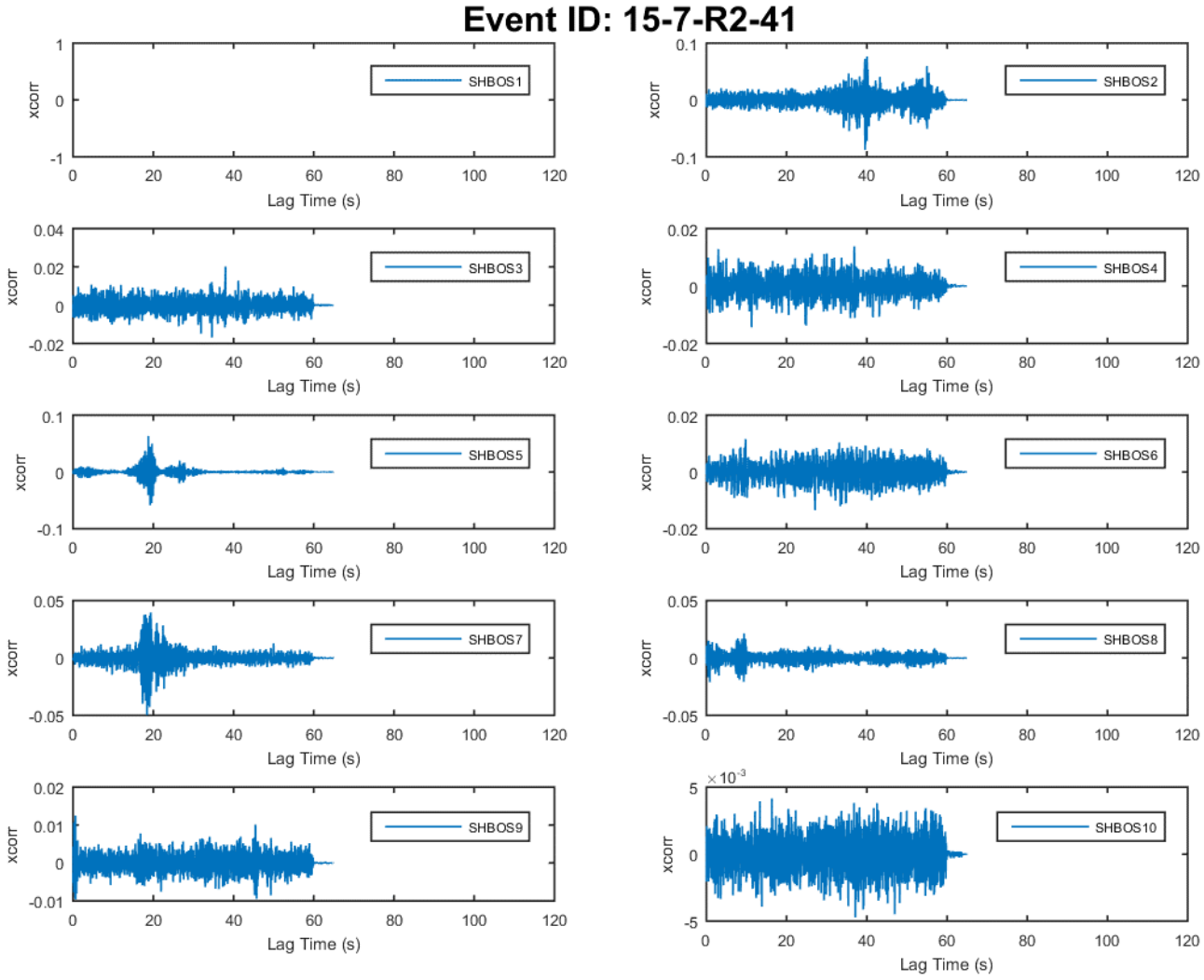


FIGURE 3.918: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-41

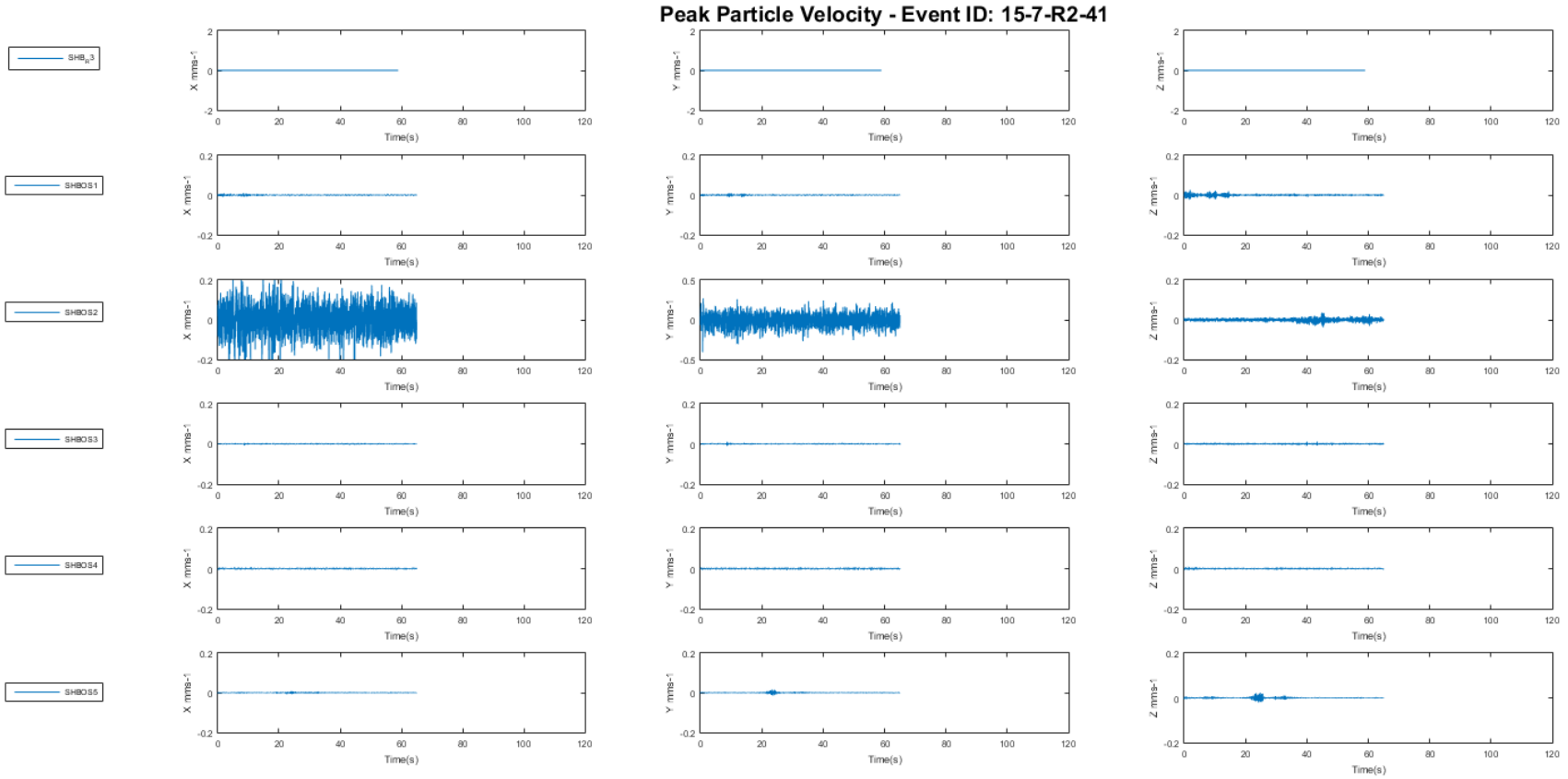
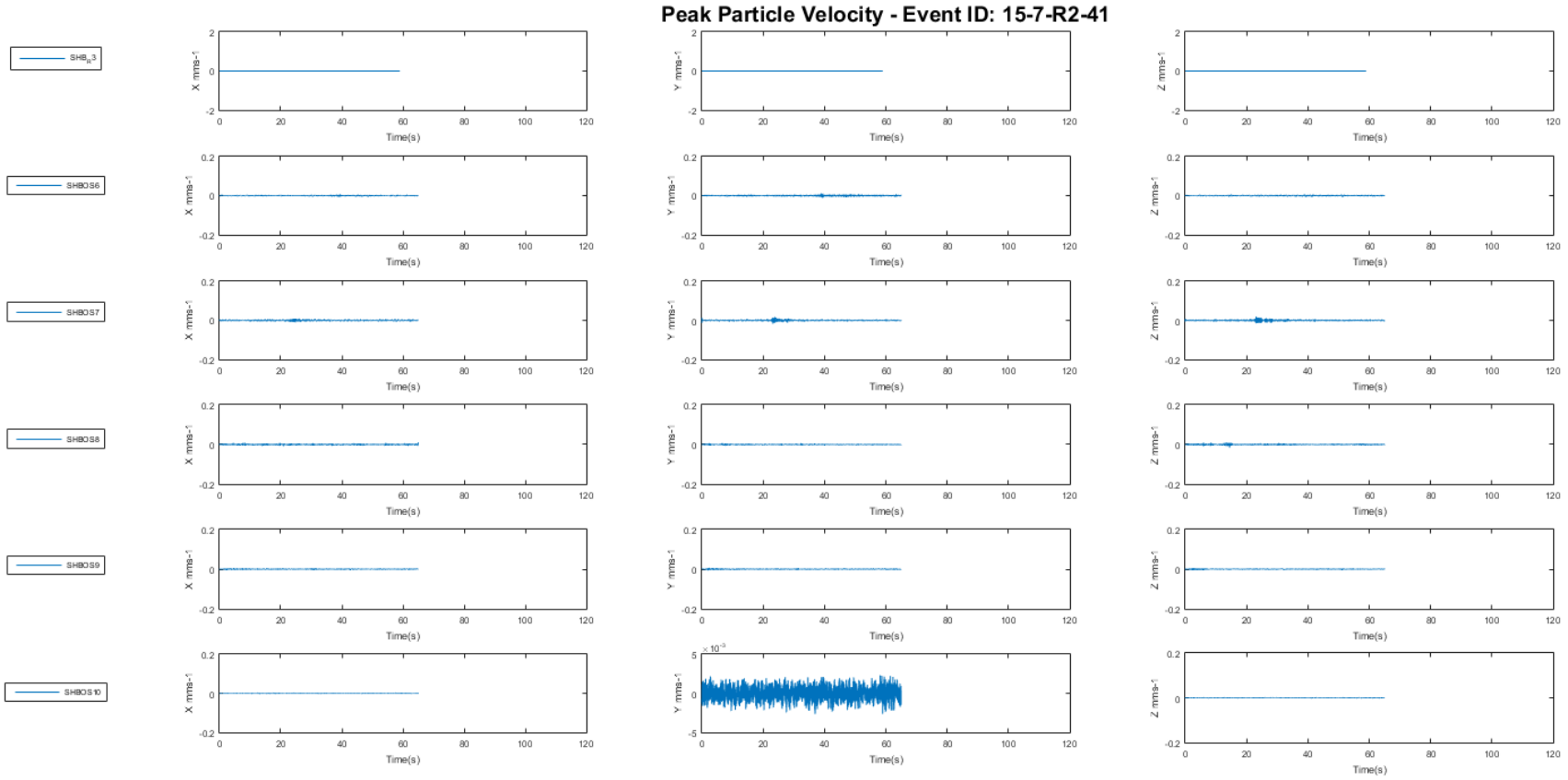


FIGURE 3.919: SHB_OS 1 - 5 15-7-R2-41

FIGURE 3.920: SHB_OS 6 - 10 15-7-R2-41



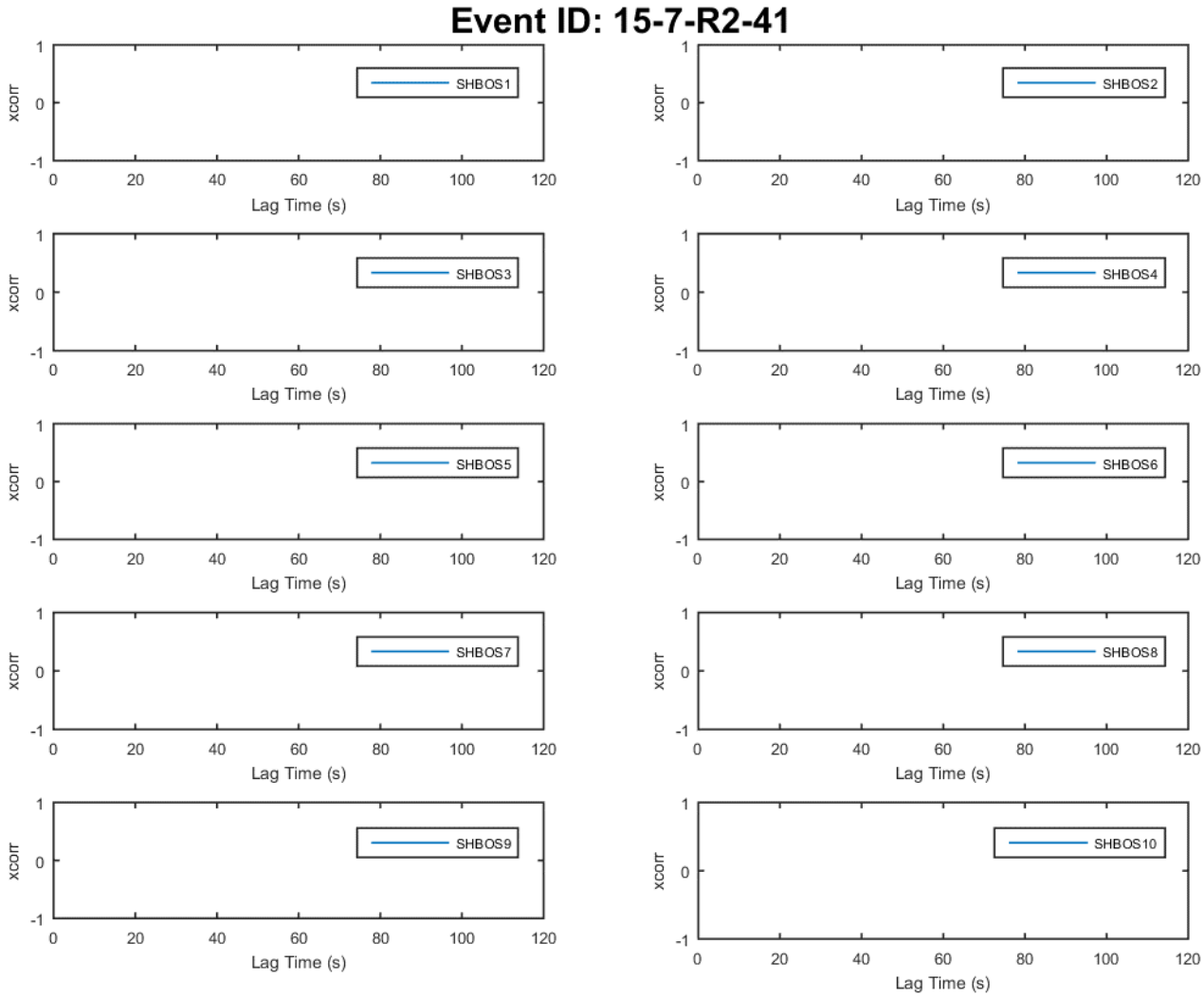


FIGURE 3.921: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-41

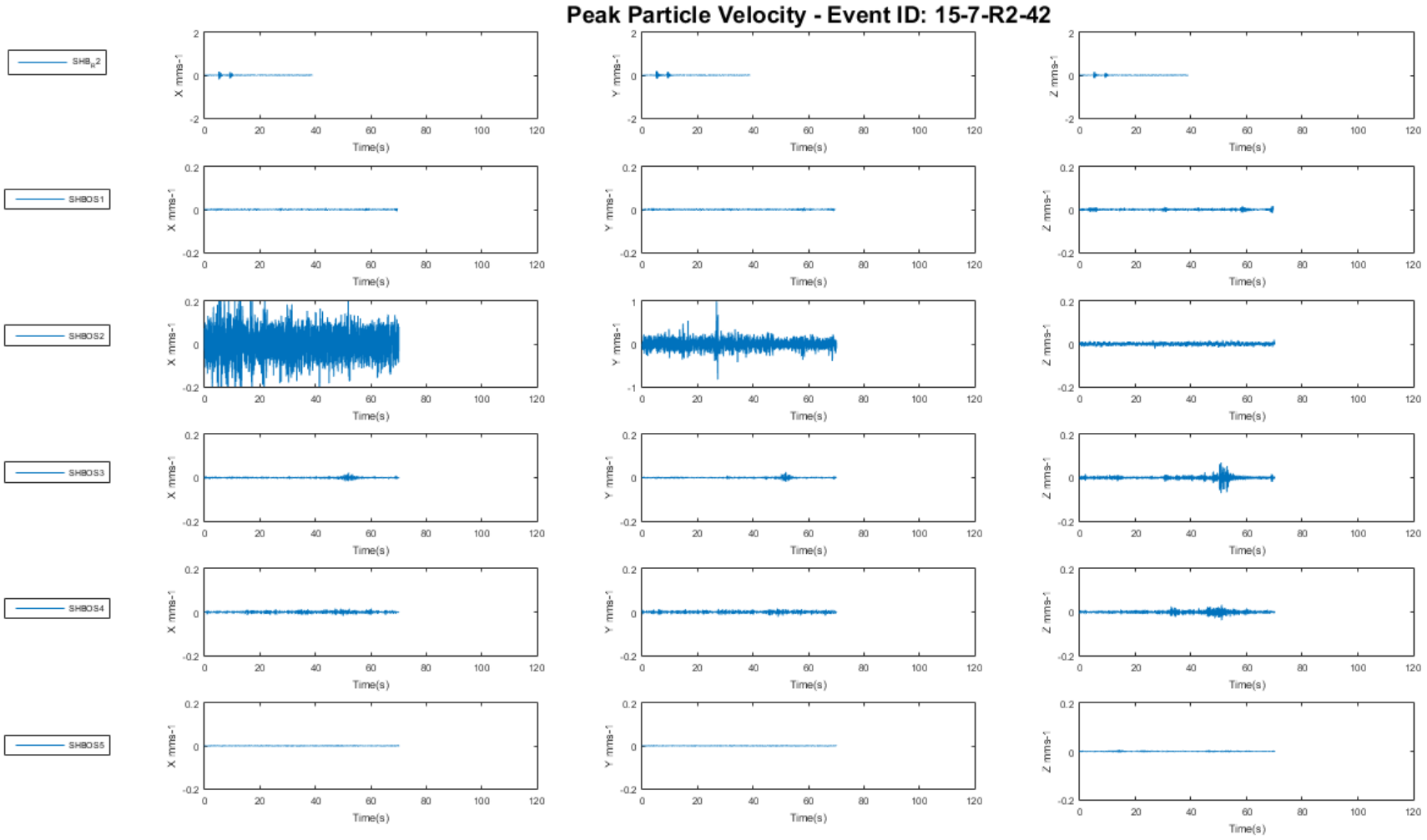


FIGURE 3.922: SHB_OS 1 - 5 15-7-R2-42

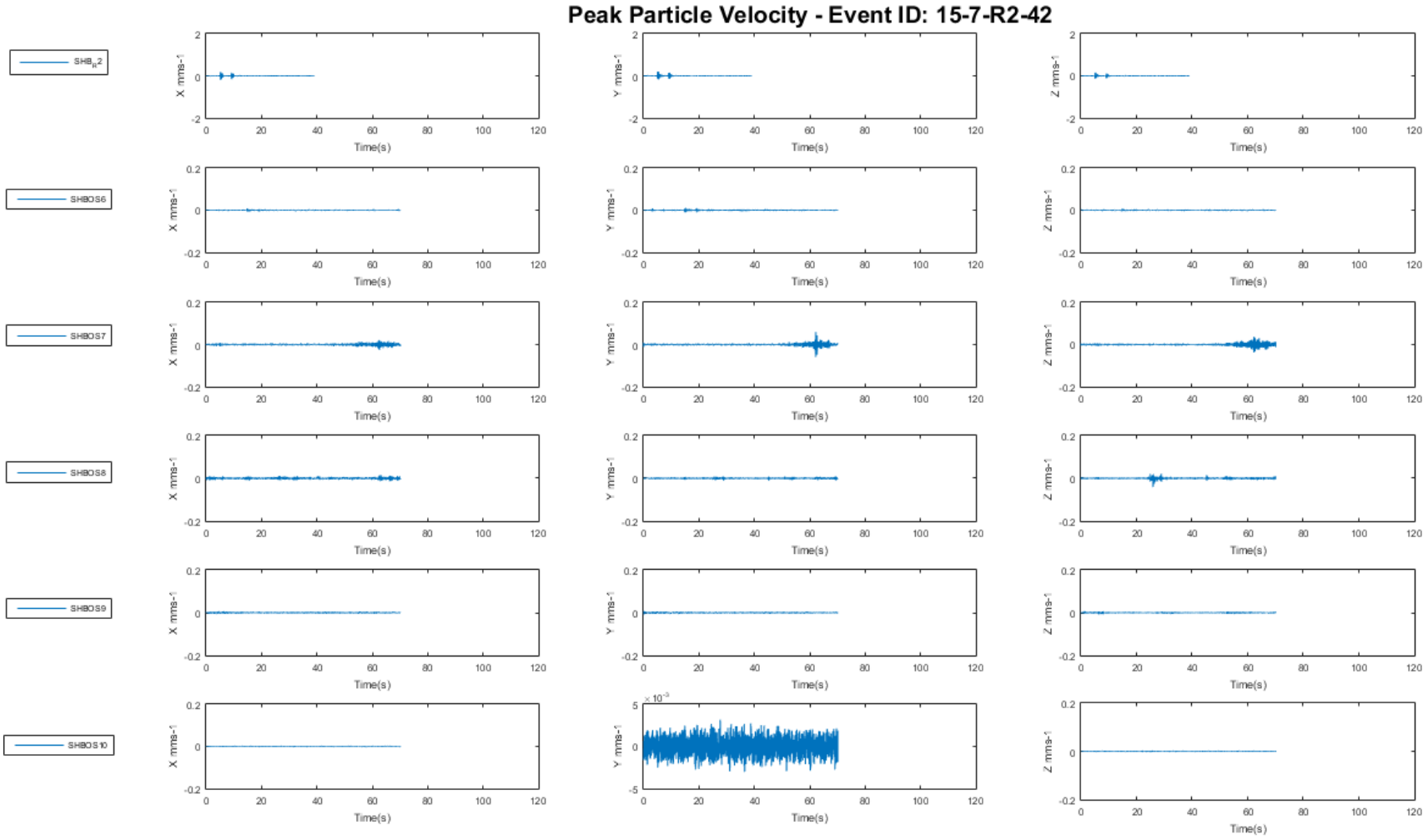


FIGURE 3.923: SHB_OS 6 - 10 15-7-R2-42

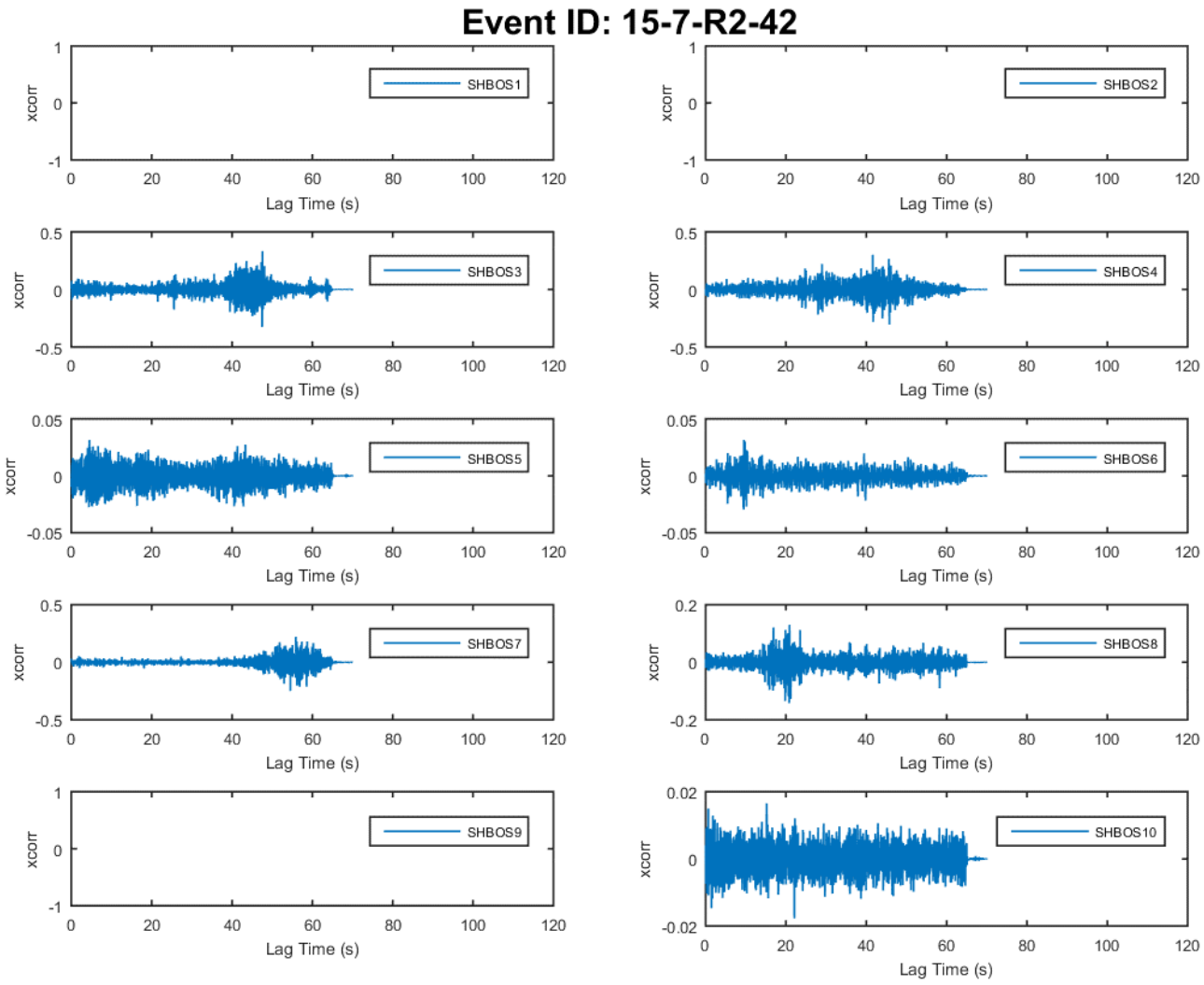


FIGURE 3.924: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-42

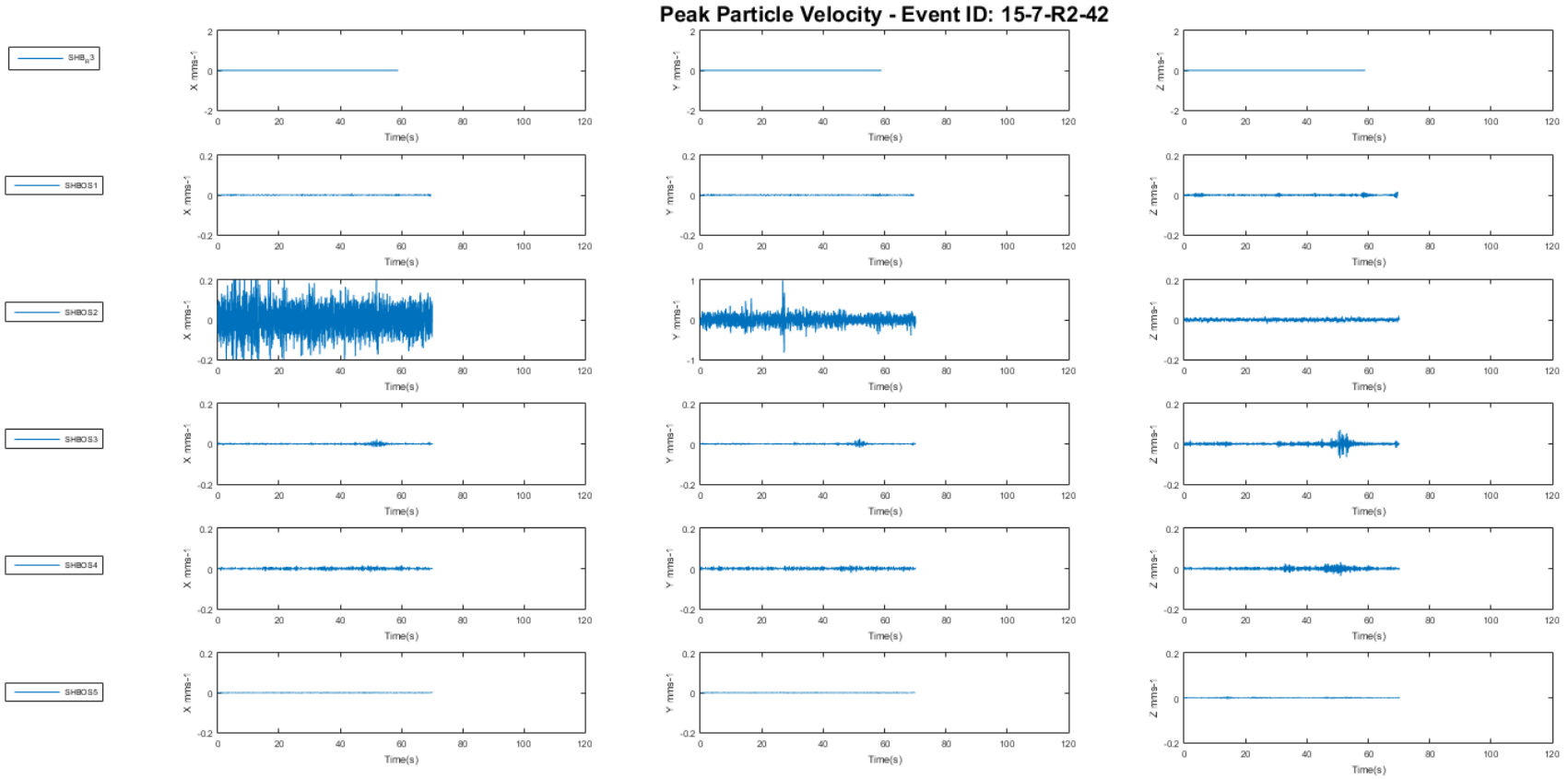
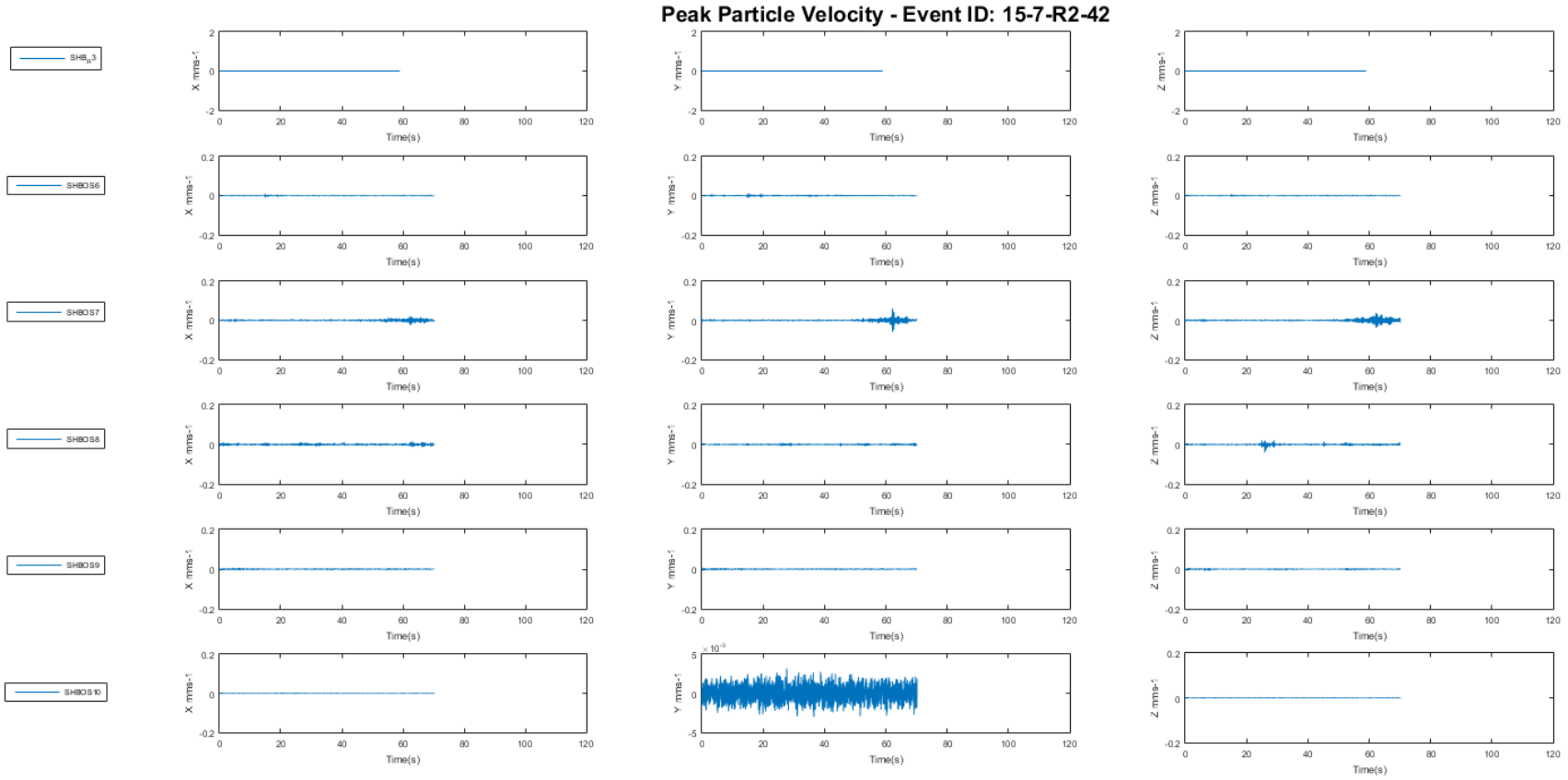


FIGURE 3.925: SHB_OS 1 - 5 15-7-R2-42

FIGURE 3.926: SHB_OS 6 - 10 15-7-R2-42



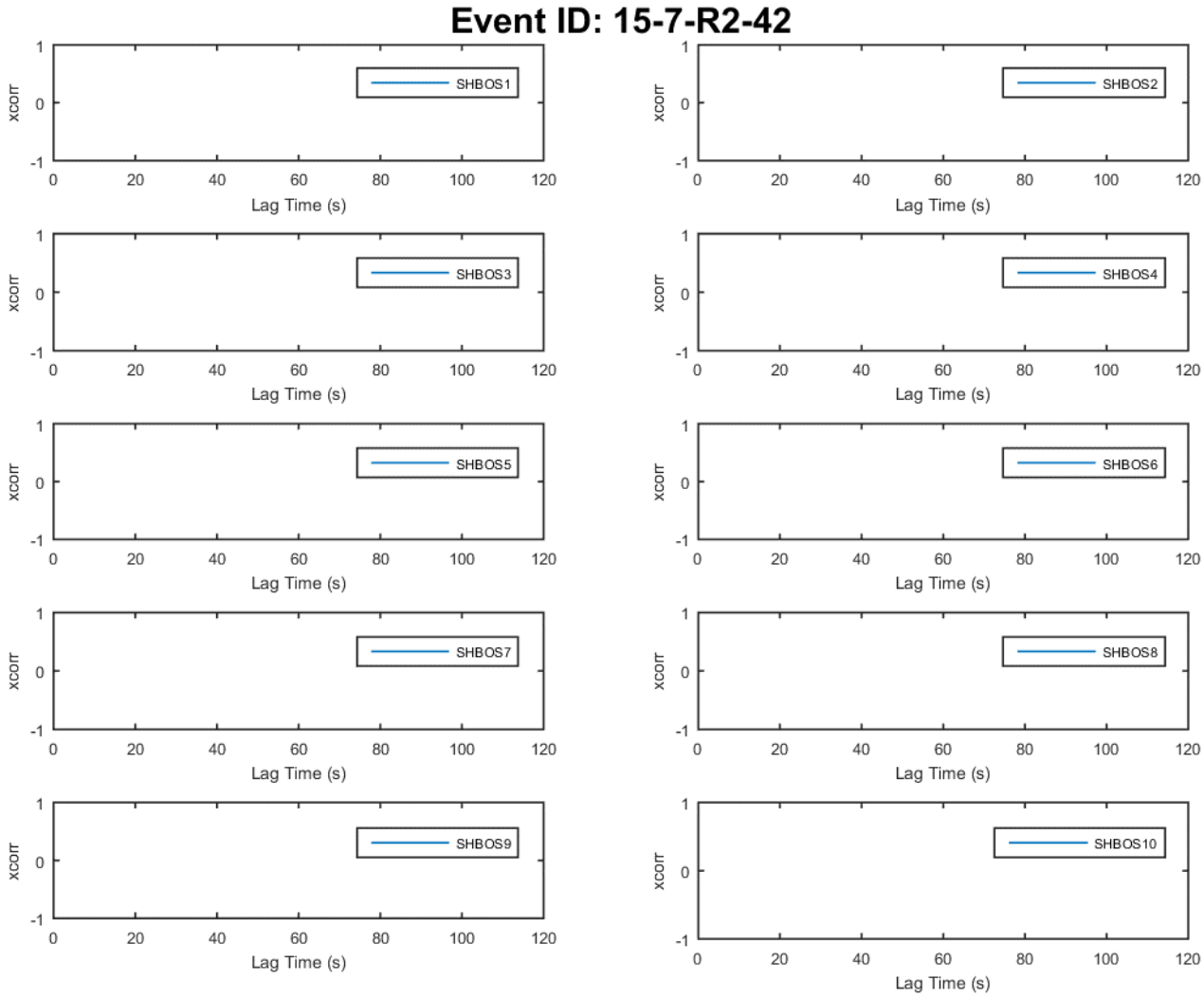


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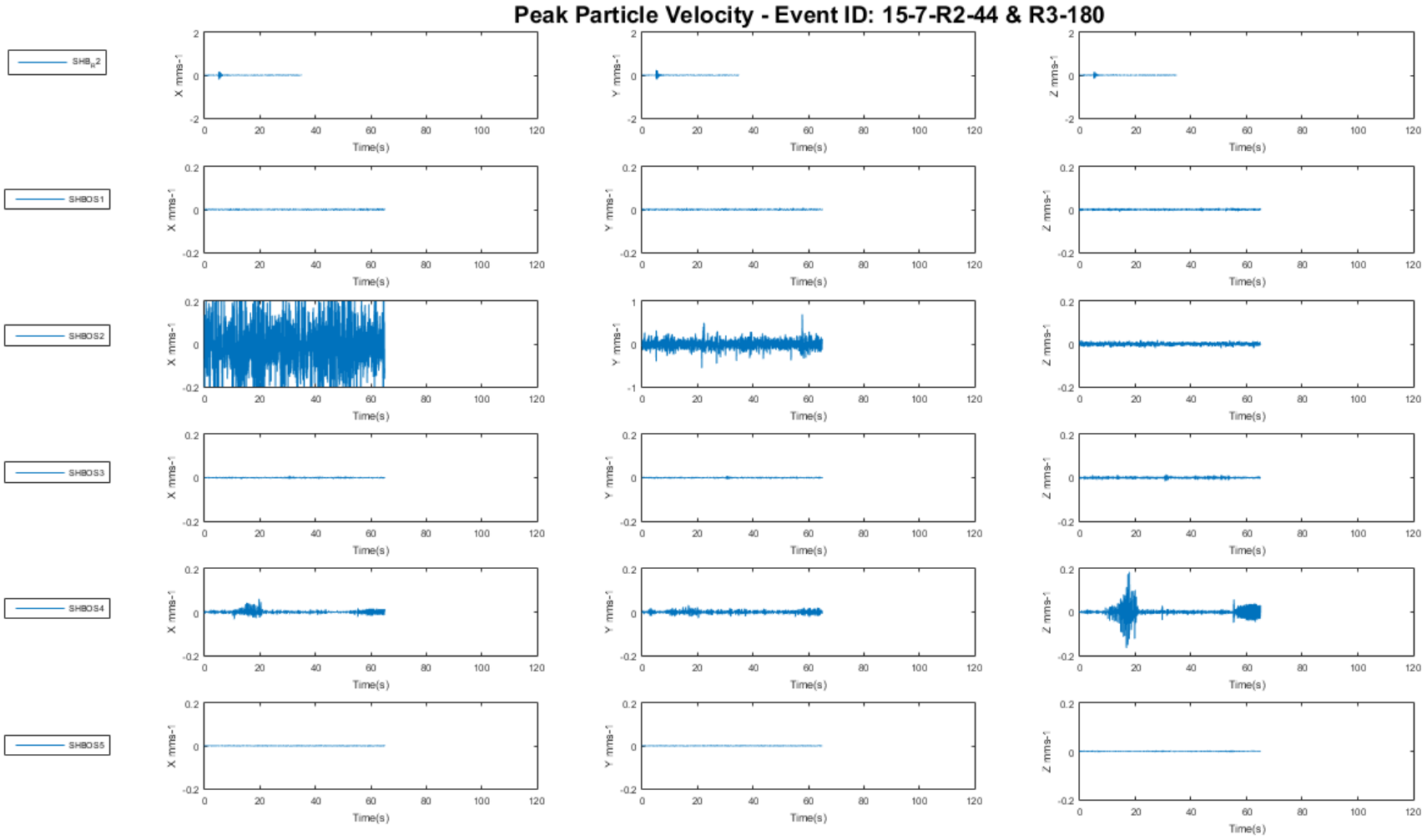


FIGURE 3.928: SHB_OS 1 - 5 15-7-R2-44 & R3-180

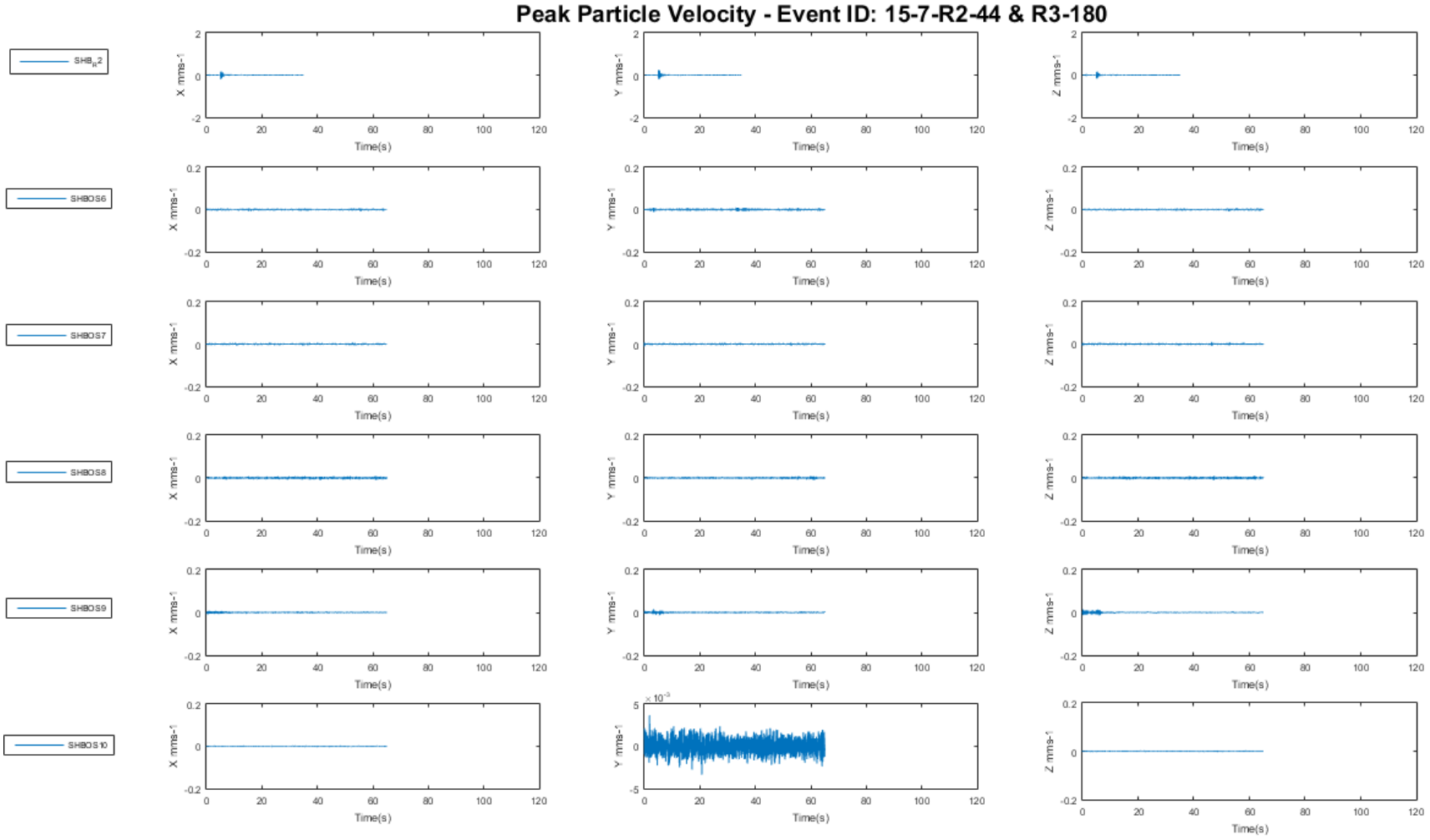


FIGURE 3.929: SHB_OS 6 - 10 15-7-R2-44 & R3-180

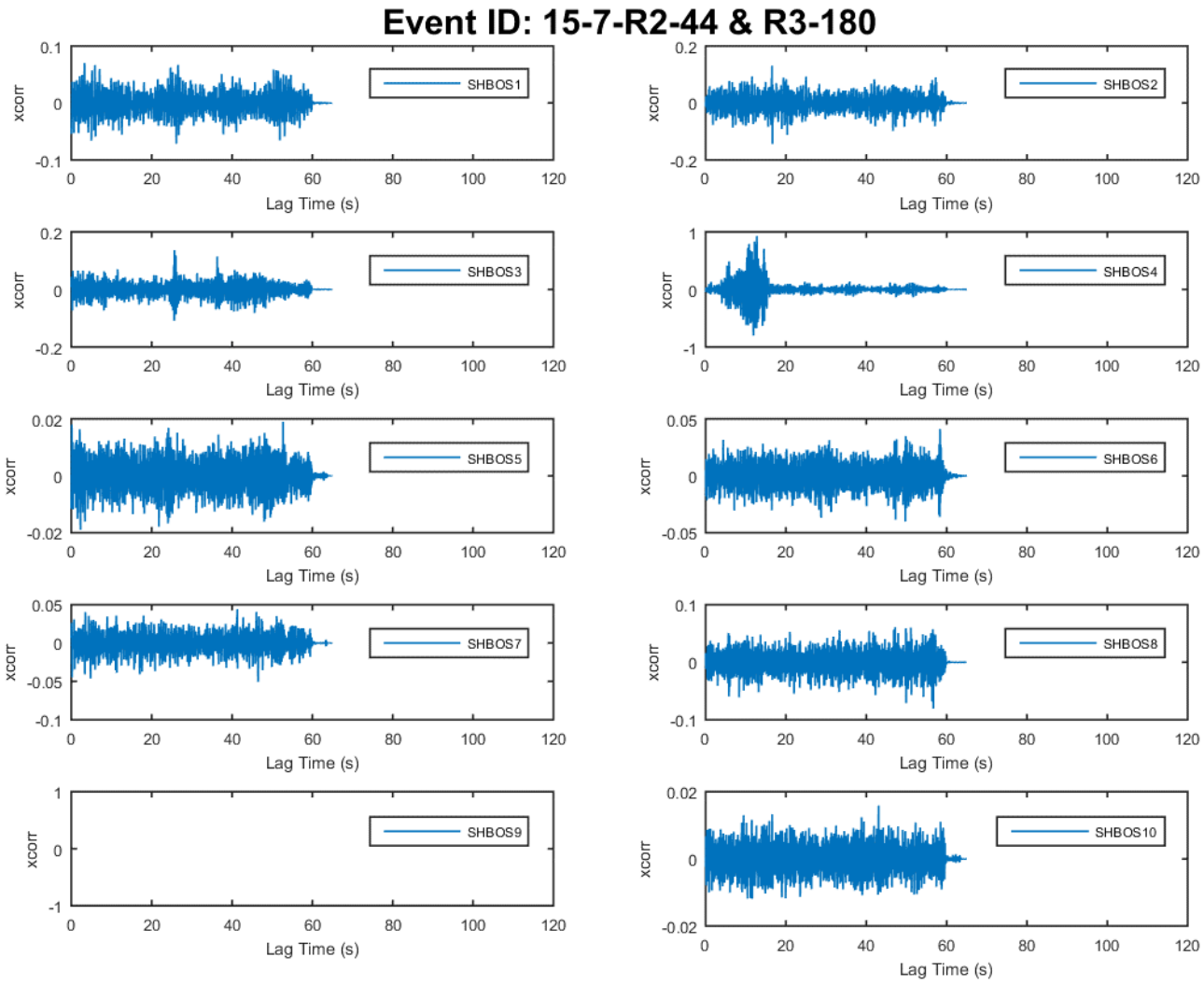


FIGURE 3.930: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-44 & R3-180

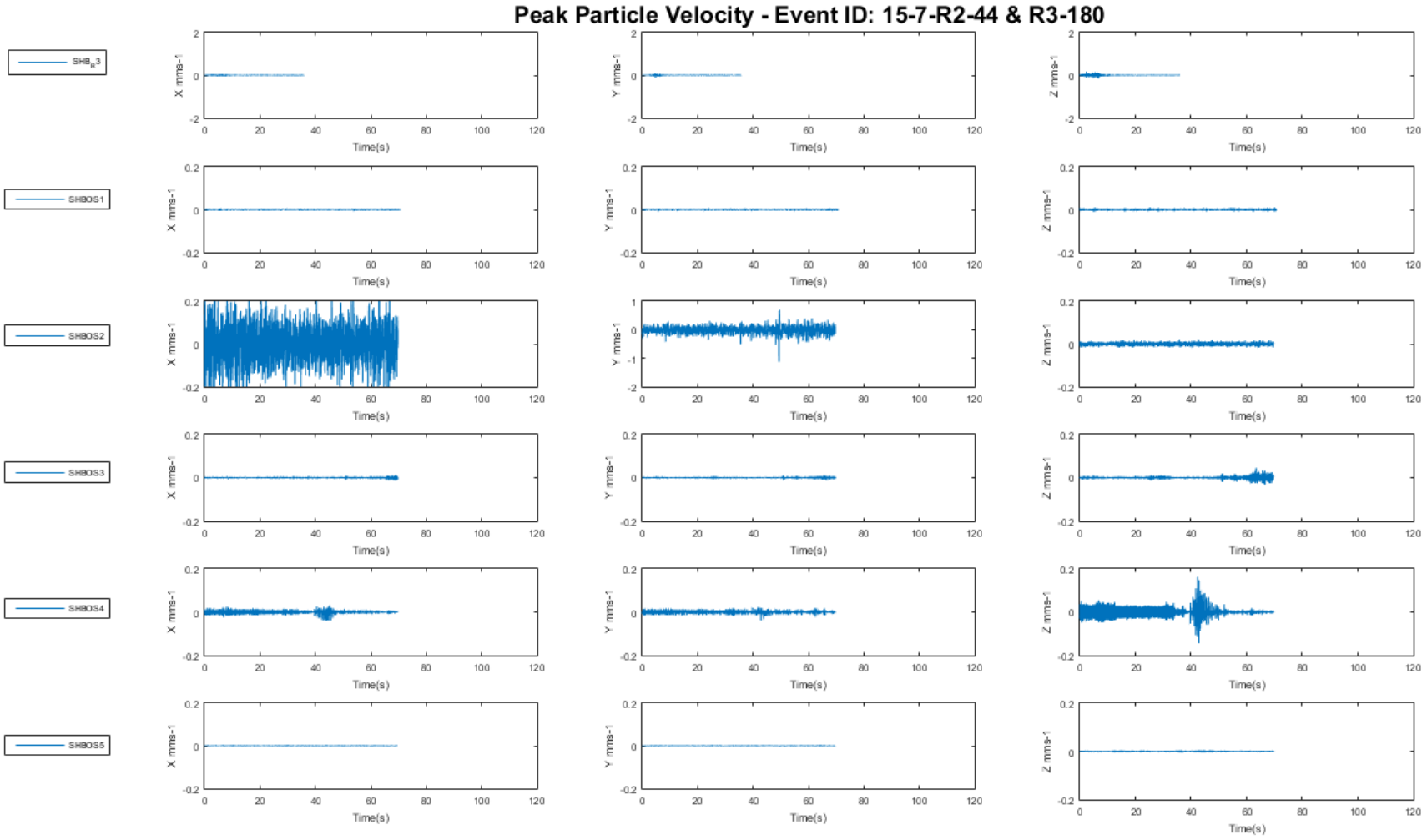


FIGURE 3.931: SHB_OS 1 - 5 15-7-R2-44 & R3-180

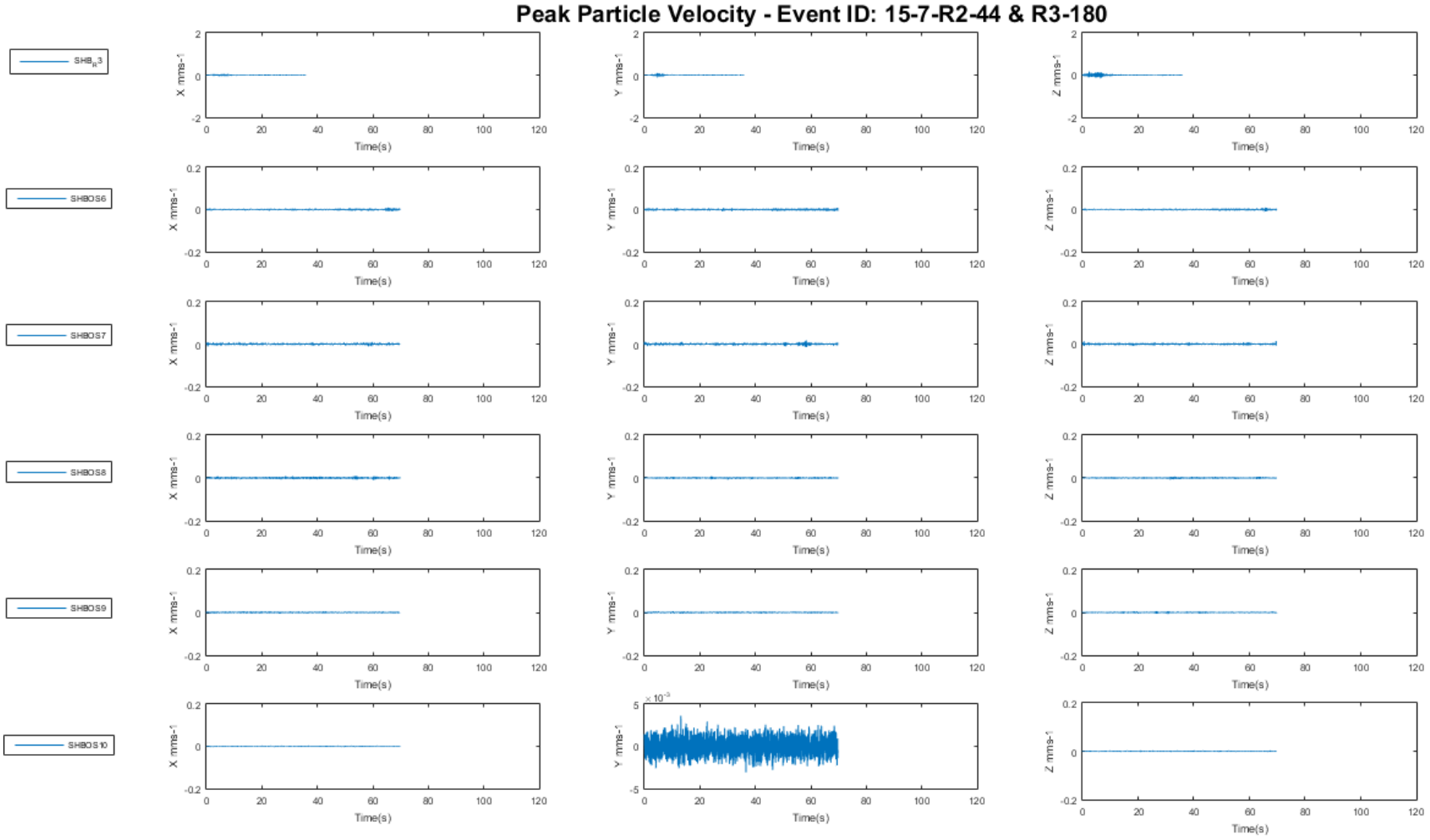


FIGURE 3.932: SHB_OS 6 - 10 15-7-R2-44 & R3-180

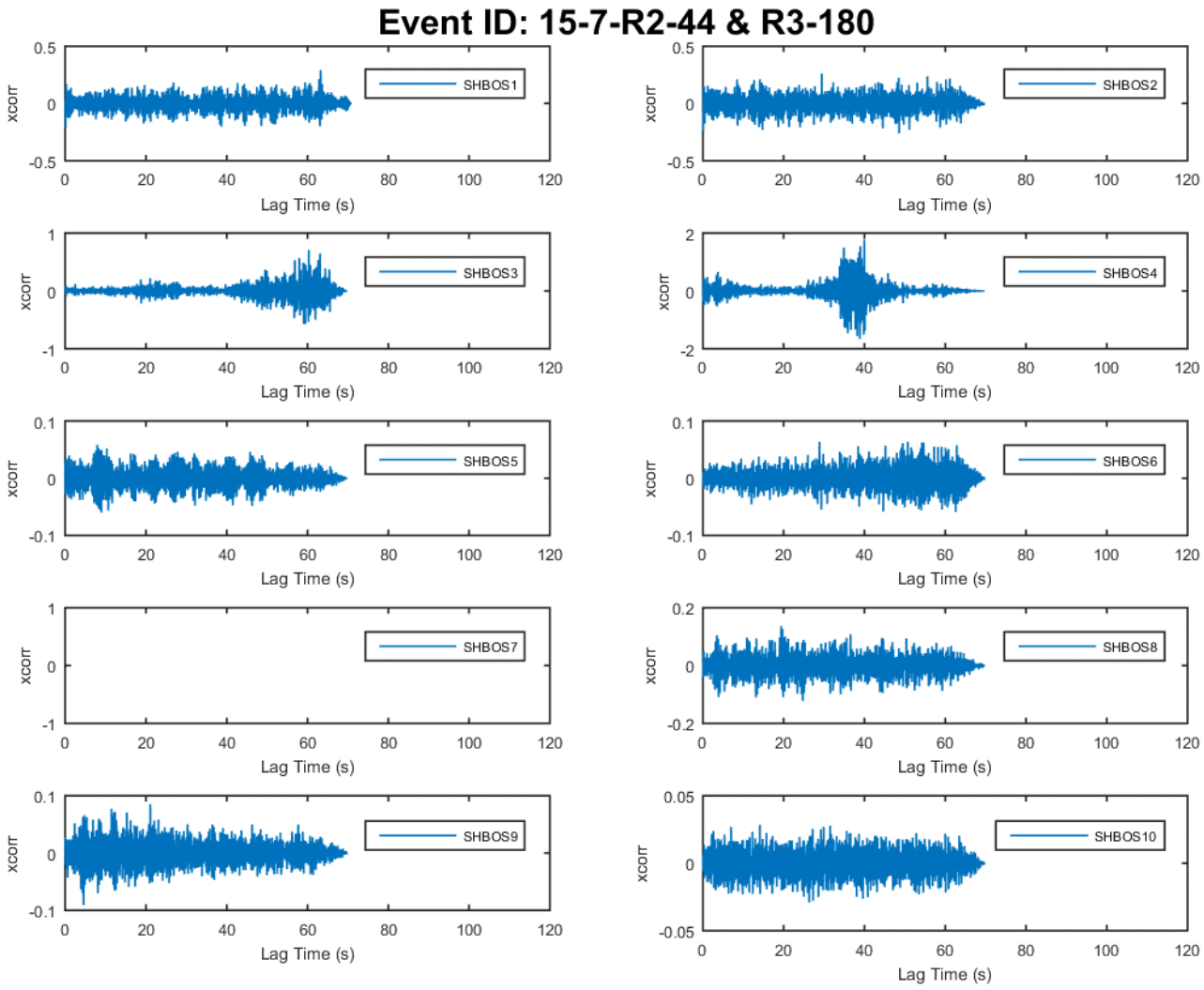


FIGURE 3.933: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-44 & R3-180

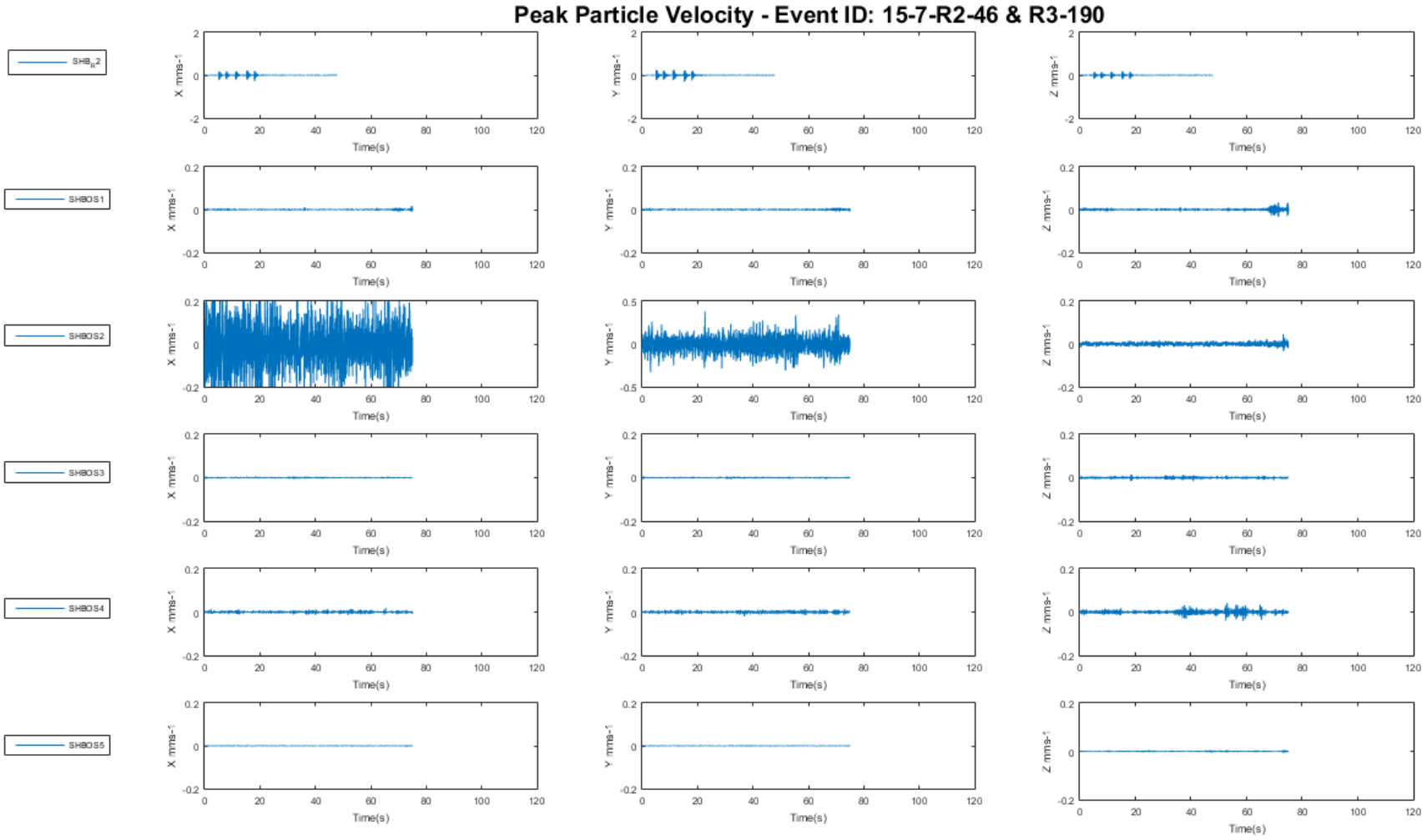


FIGURE 3.934: SHB_OS 1 - 5 15-7-R2-46 & R3-190

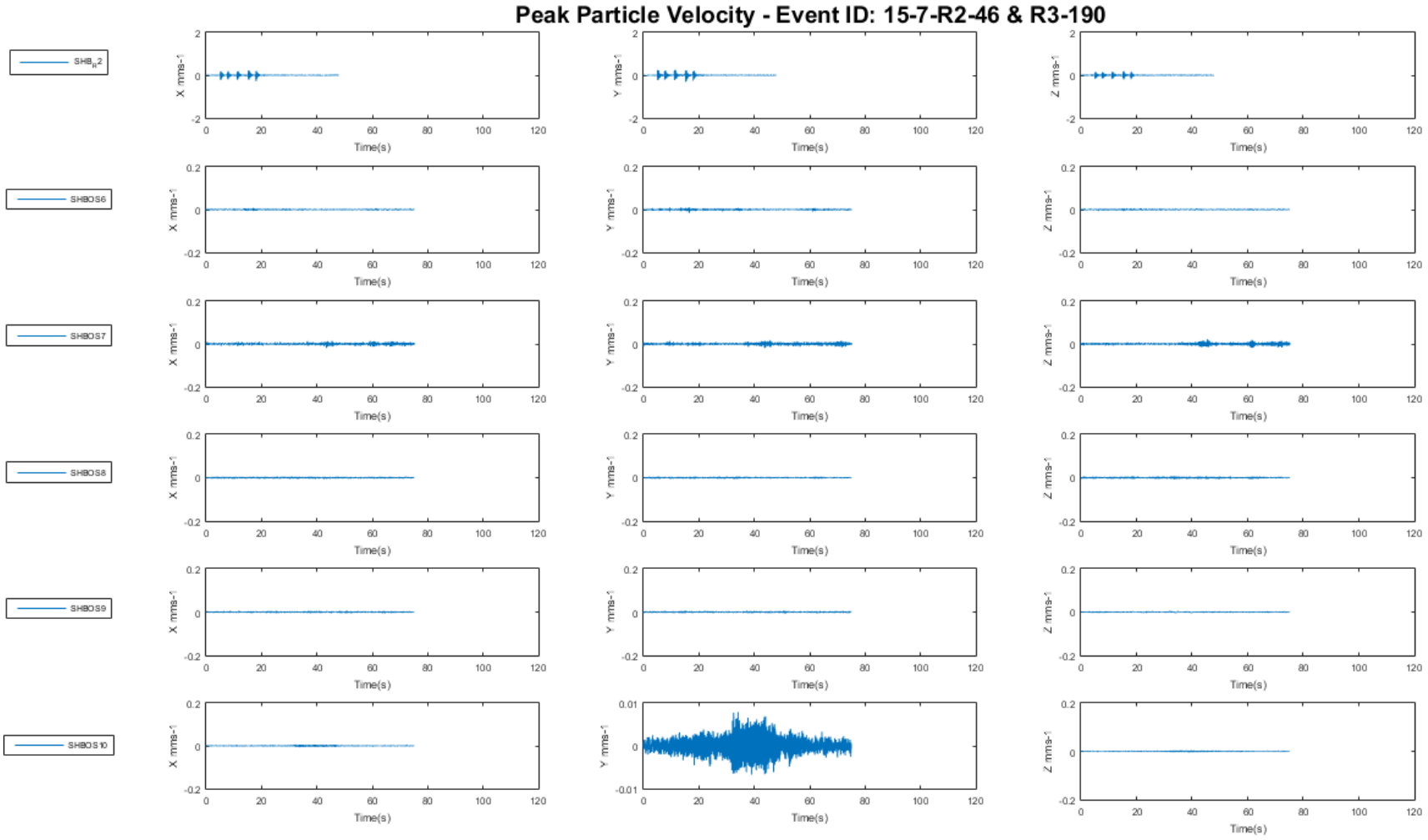


FIGURE 3.935: SHB_OS 6 - 10 15-7-R2-46 & R3-190

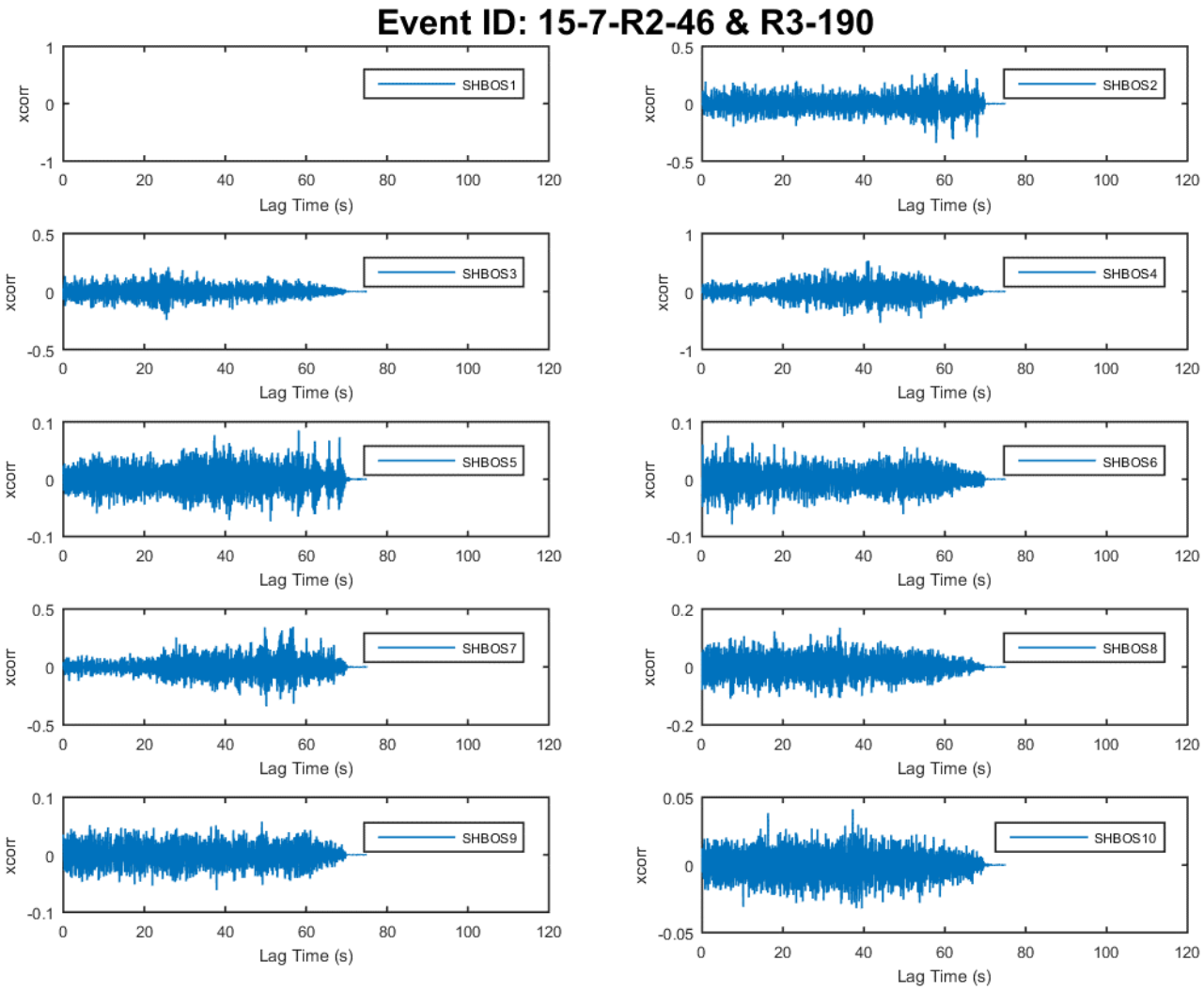


FIGURE 3.936: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-46 & R3-190

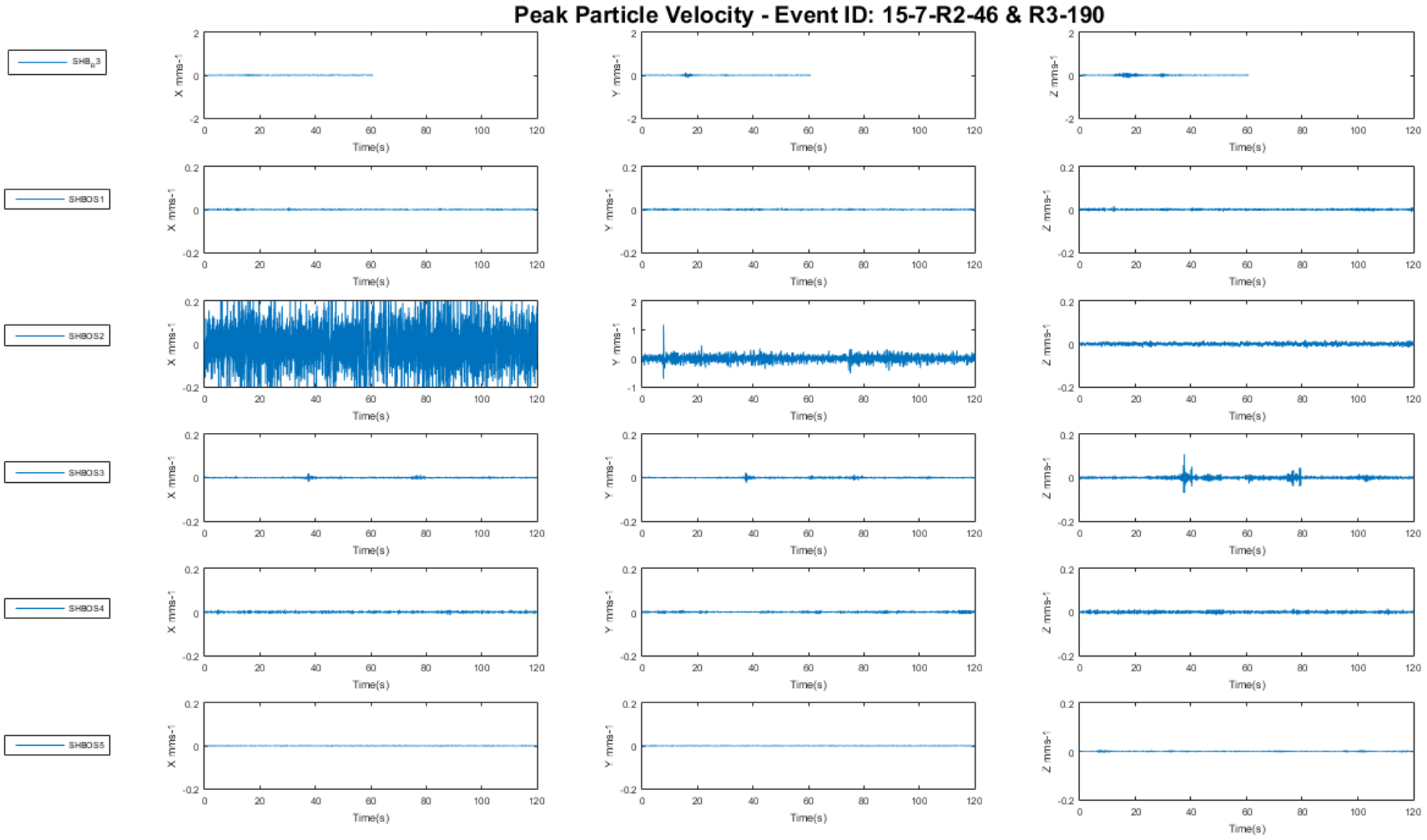


FIGURE 3.937: SHB_OS 1 - 5 15-7-R2-46 & R3-190

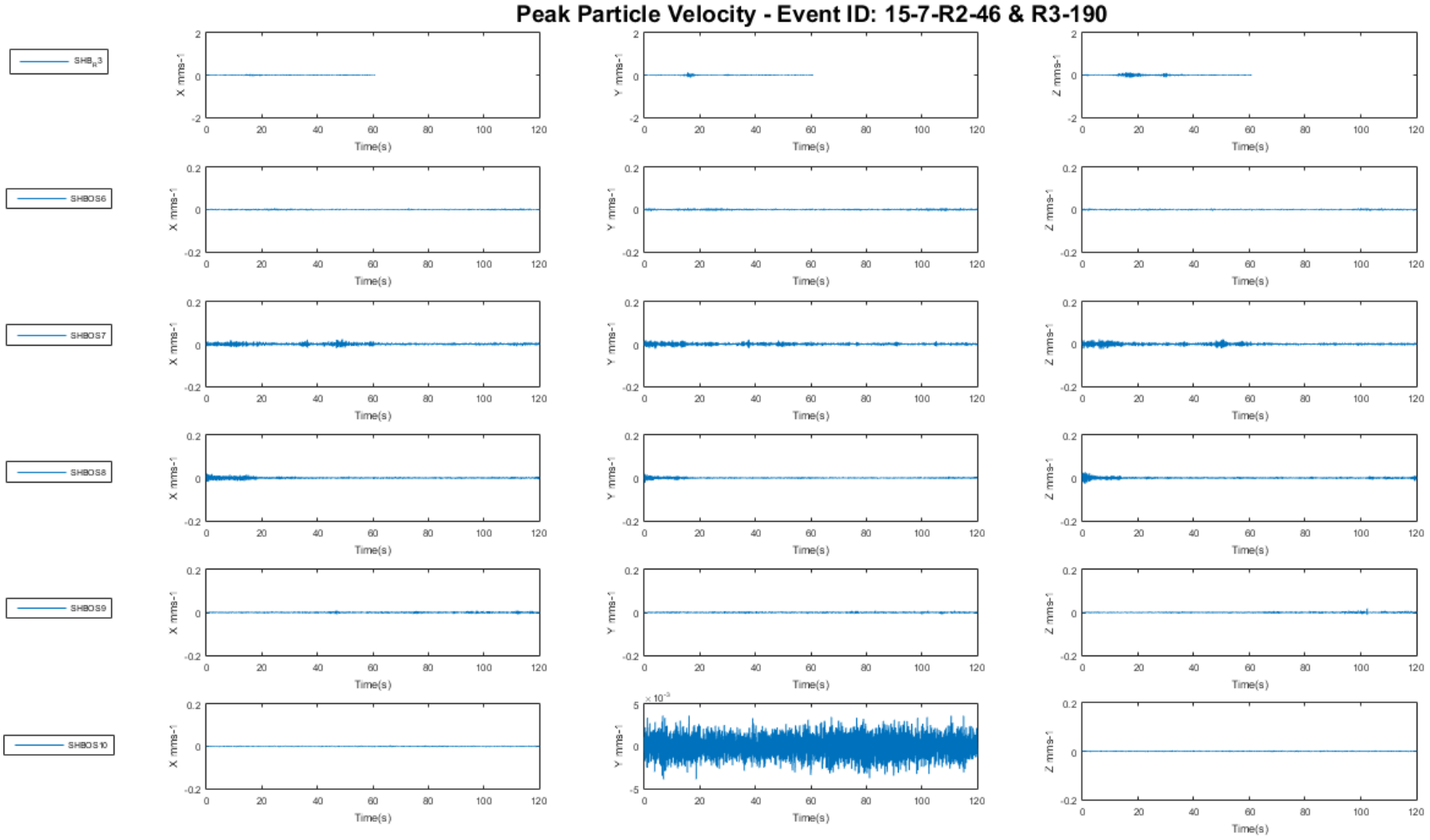


FIGURE 3.938: SHB_OS 6 - 10 15-7-R2-46 & R3-190

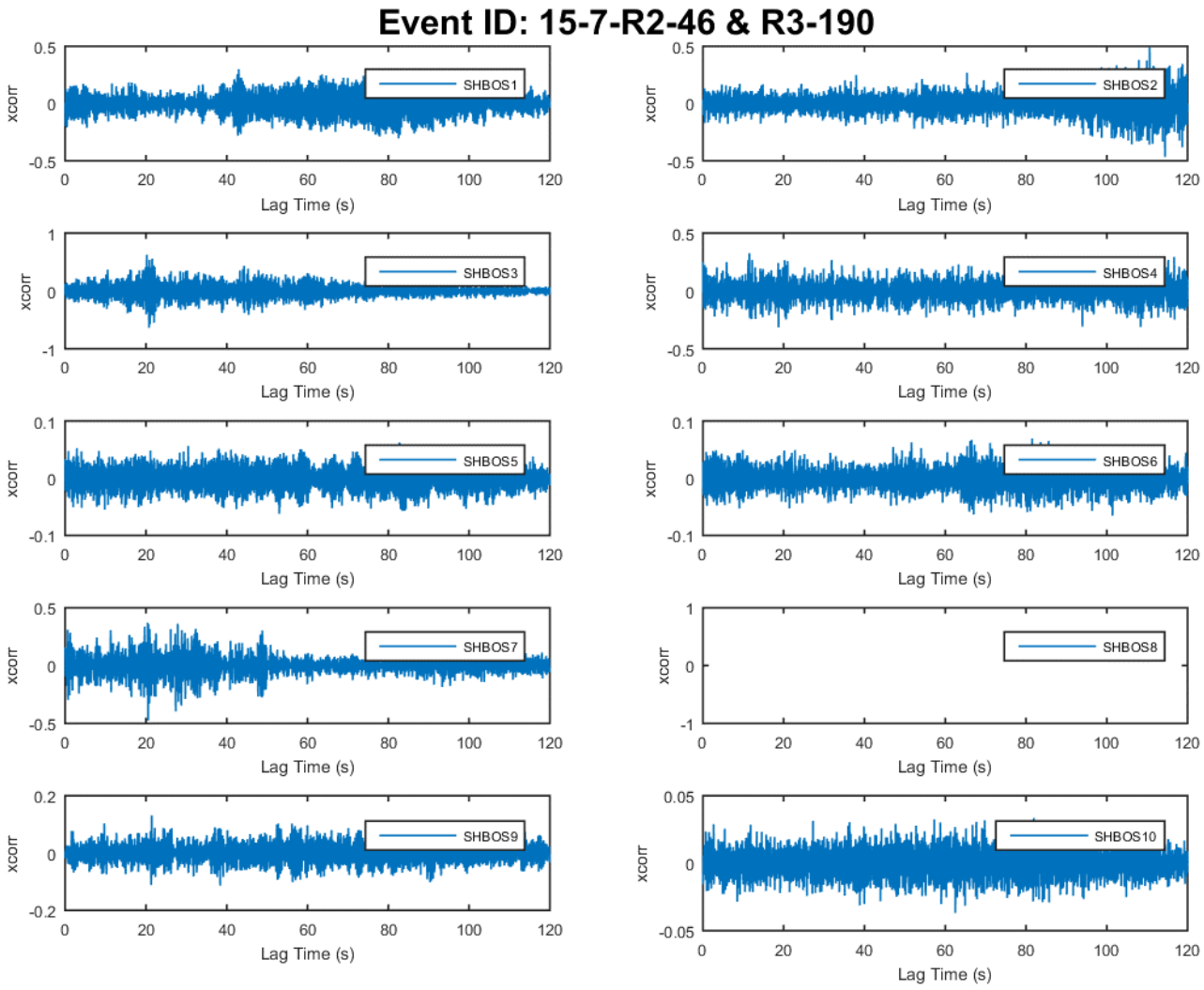


FIGURE 3.939: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-46 & R3-190

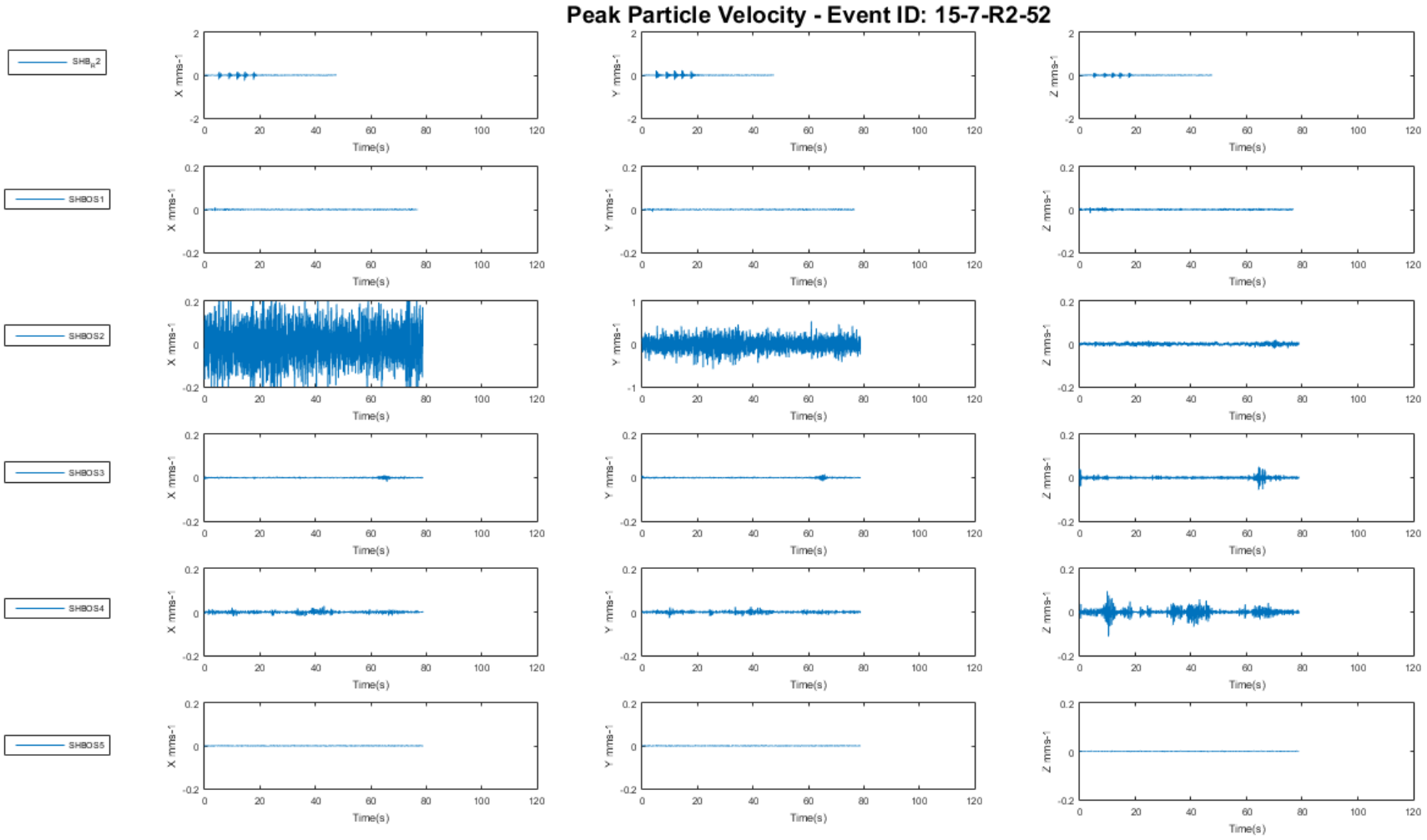


FIGURE 3.940: SHB_OS 1 - 5 15-7-R2-52

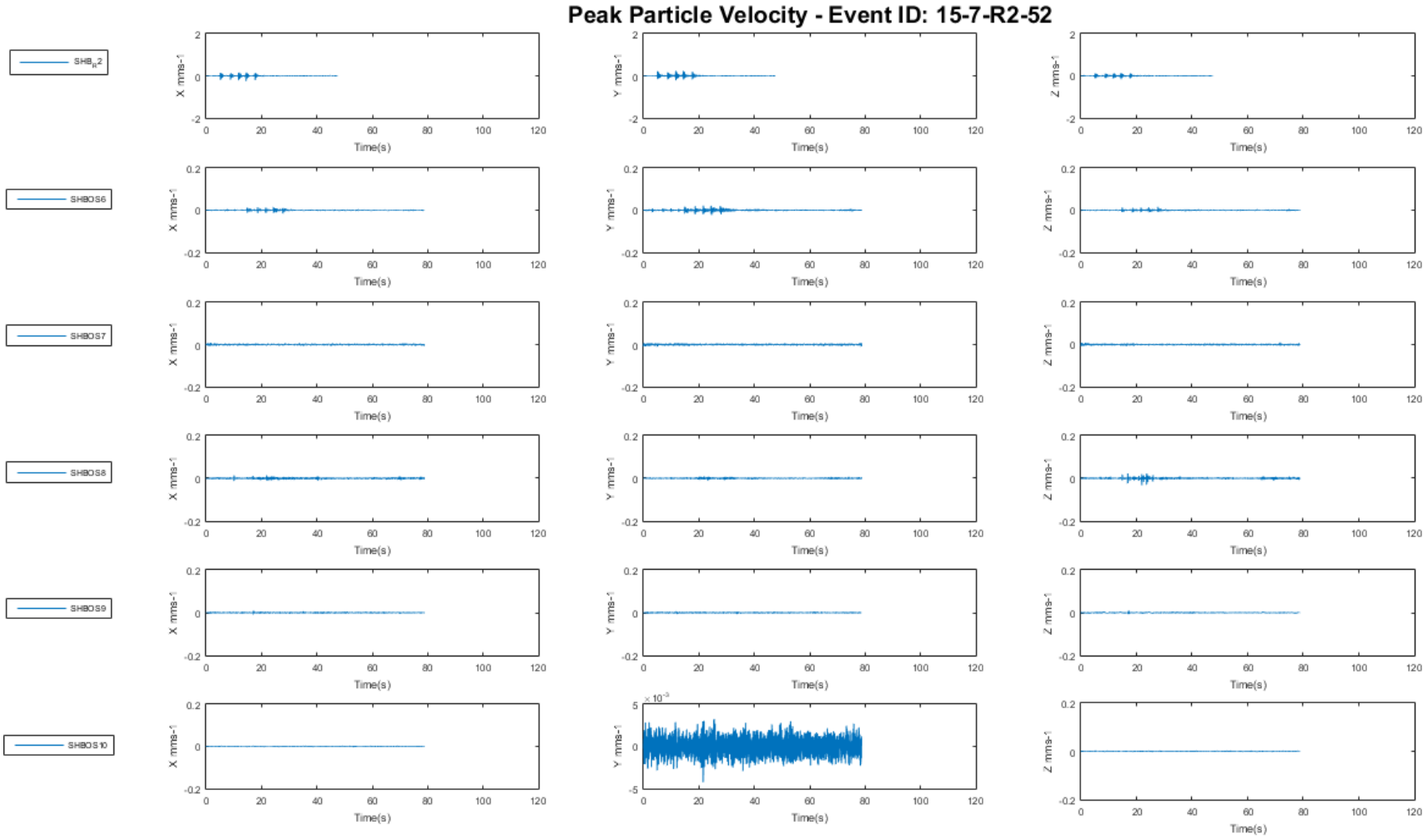


FIGURE 3.941: SHB_OS 6 - 10 15-7-R2-52

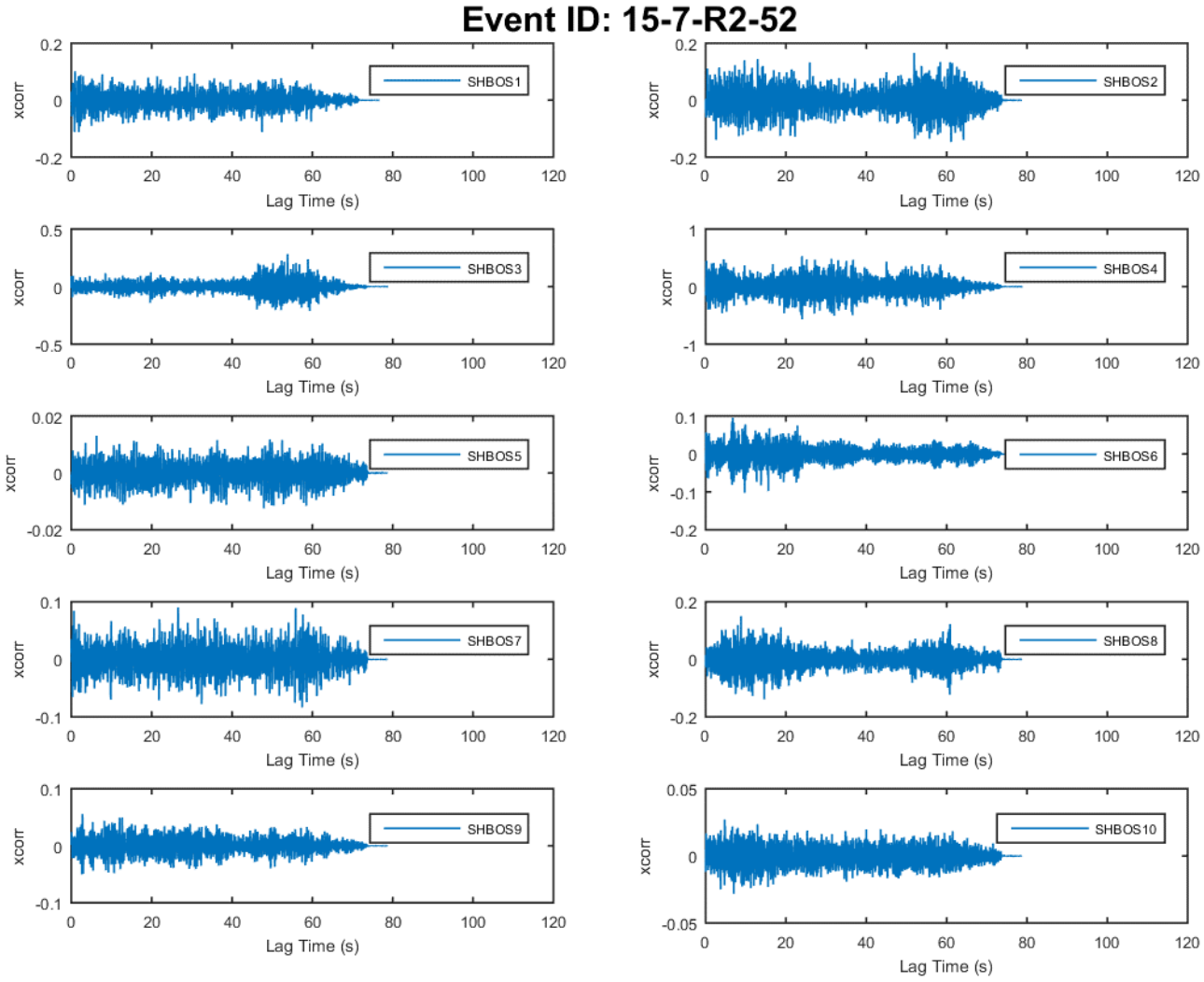


FIGURE 3.942: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-52

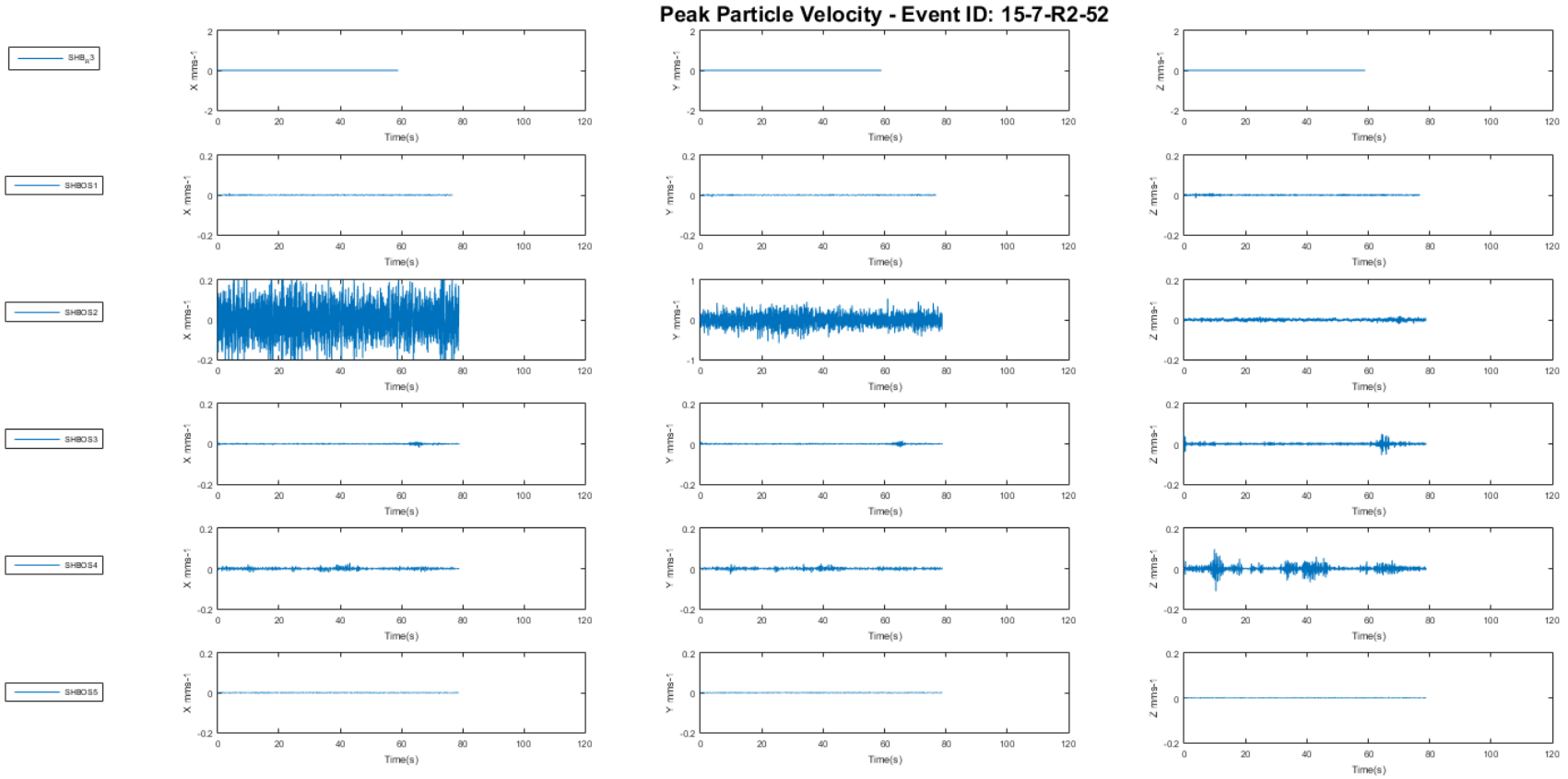
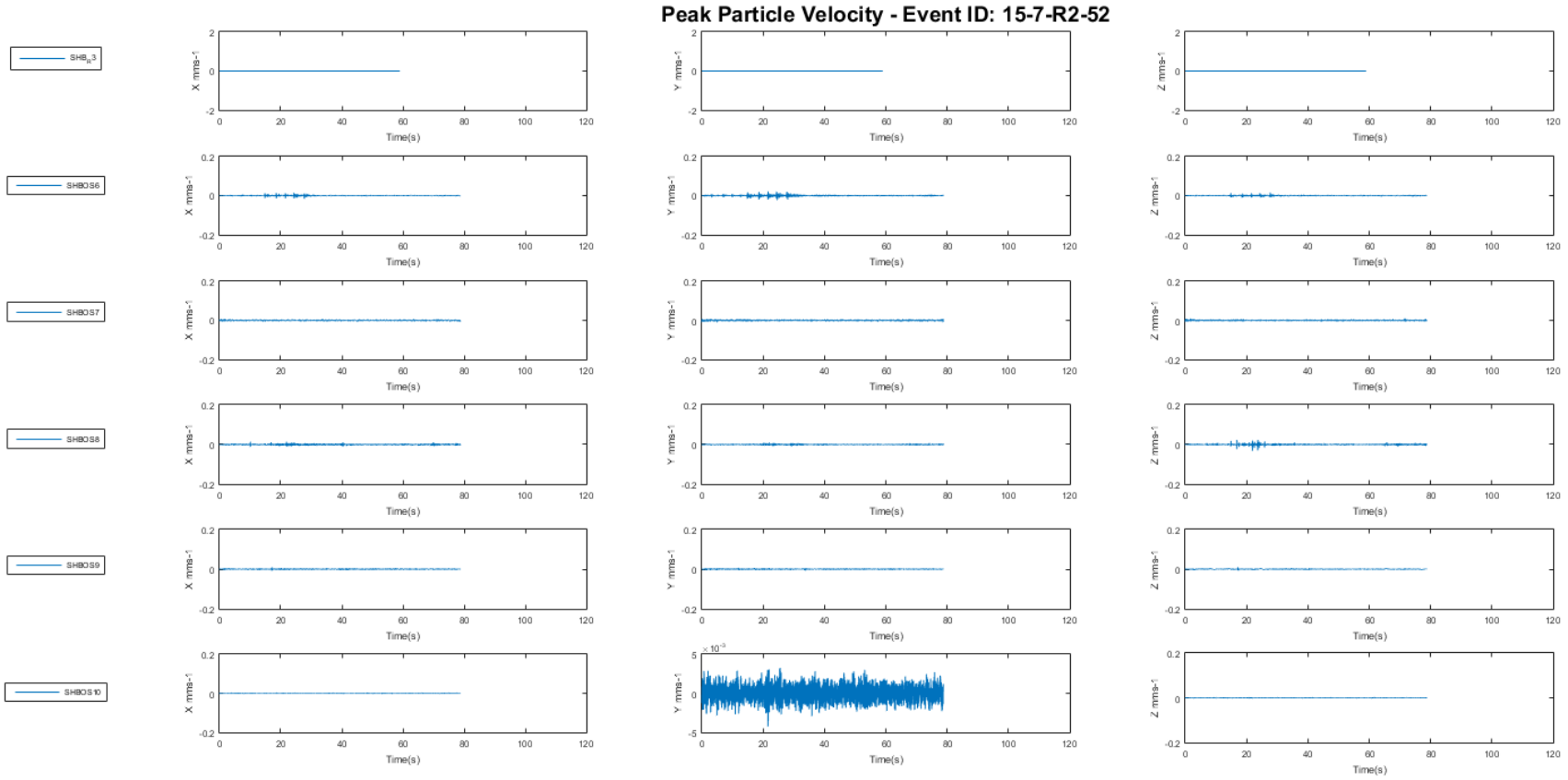


FIGURE 3.943: SHB_OS 1 - 5 15-7-R2-52

FIGURE 3.944: SHB_OS 6 - 10 15-7-R2-52



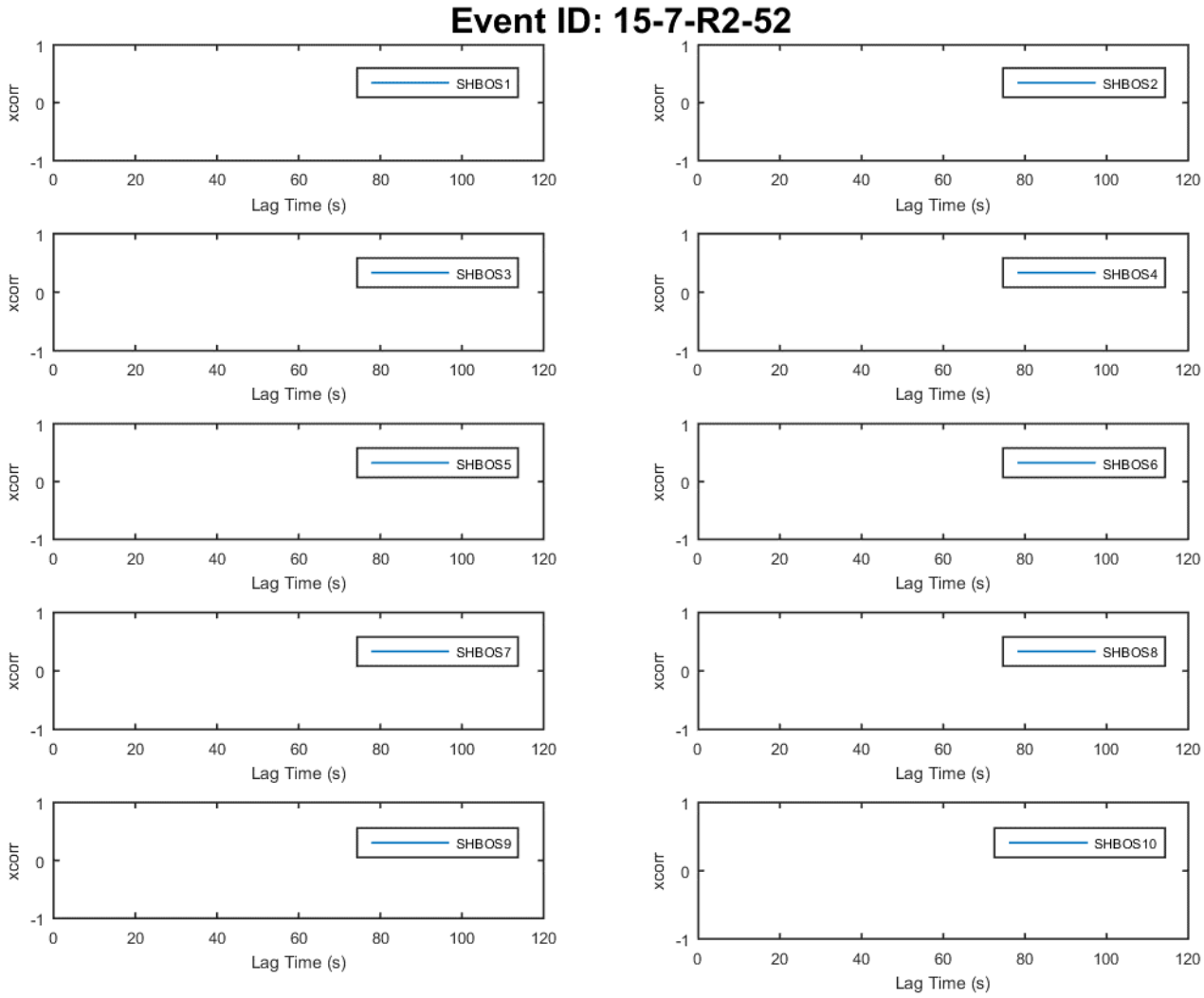


FIGURE 3.945: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-52

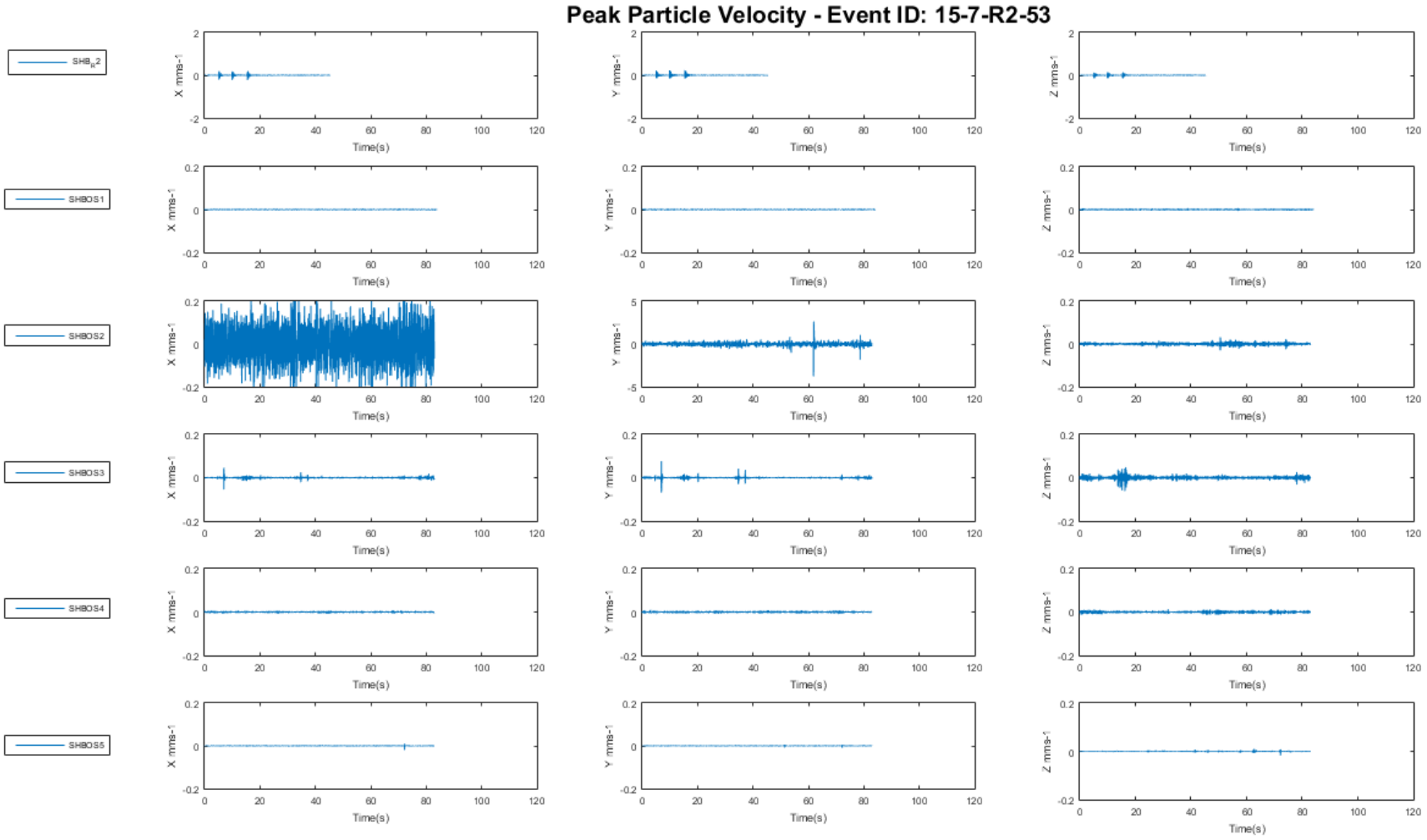


FIGURE 3.946: SHB_OS 1 - 5 15-7-R2-53

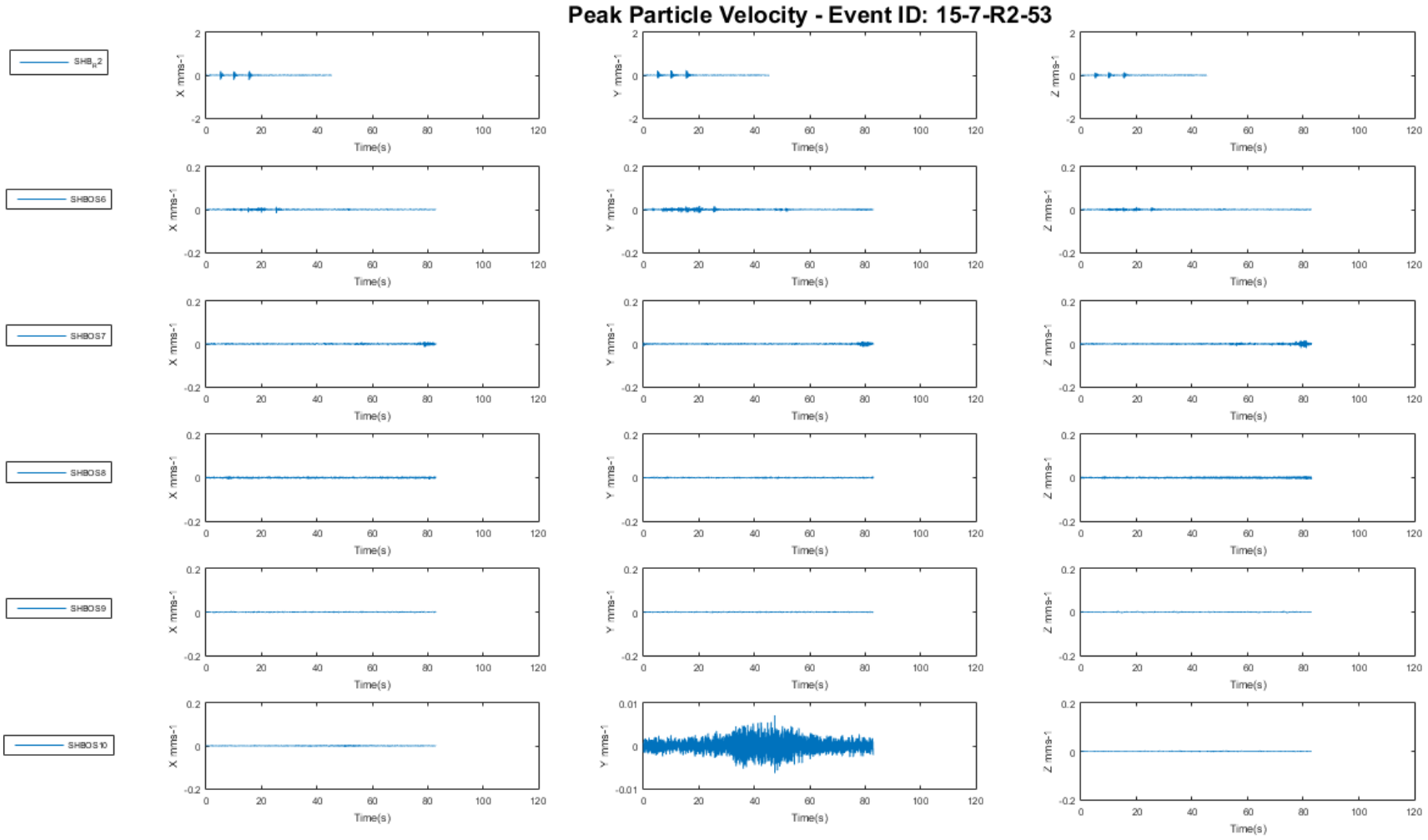


FIGURE 3.947: SHB_OS 6 - 10 15-7-R2-53

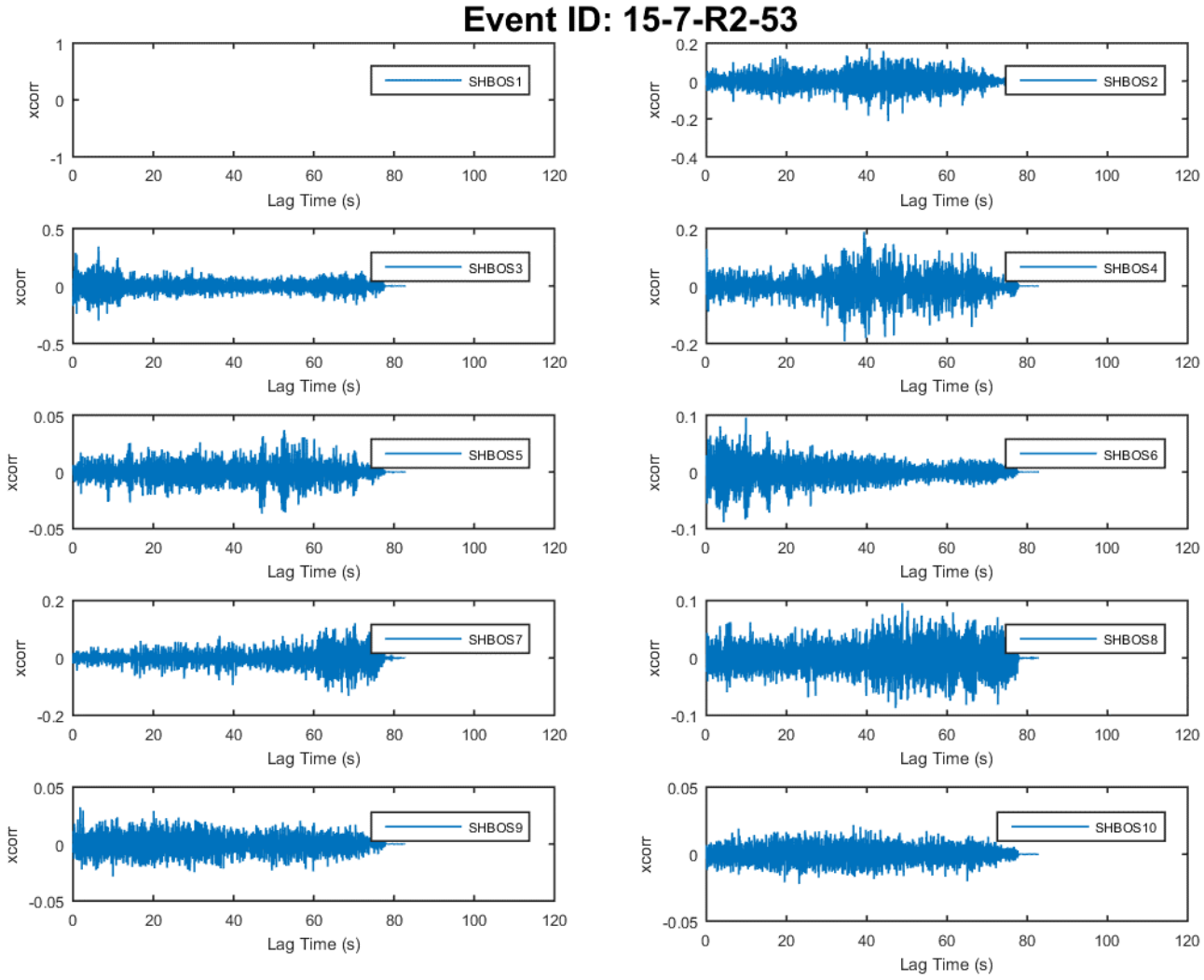


FIGURE 3.948: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-53

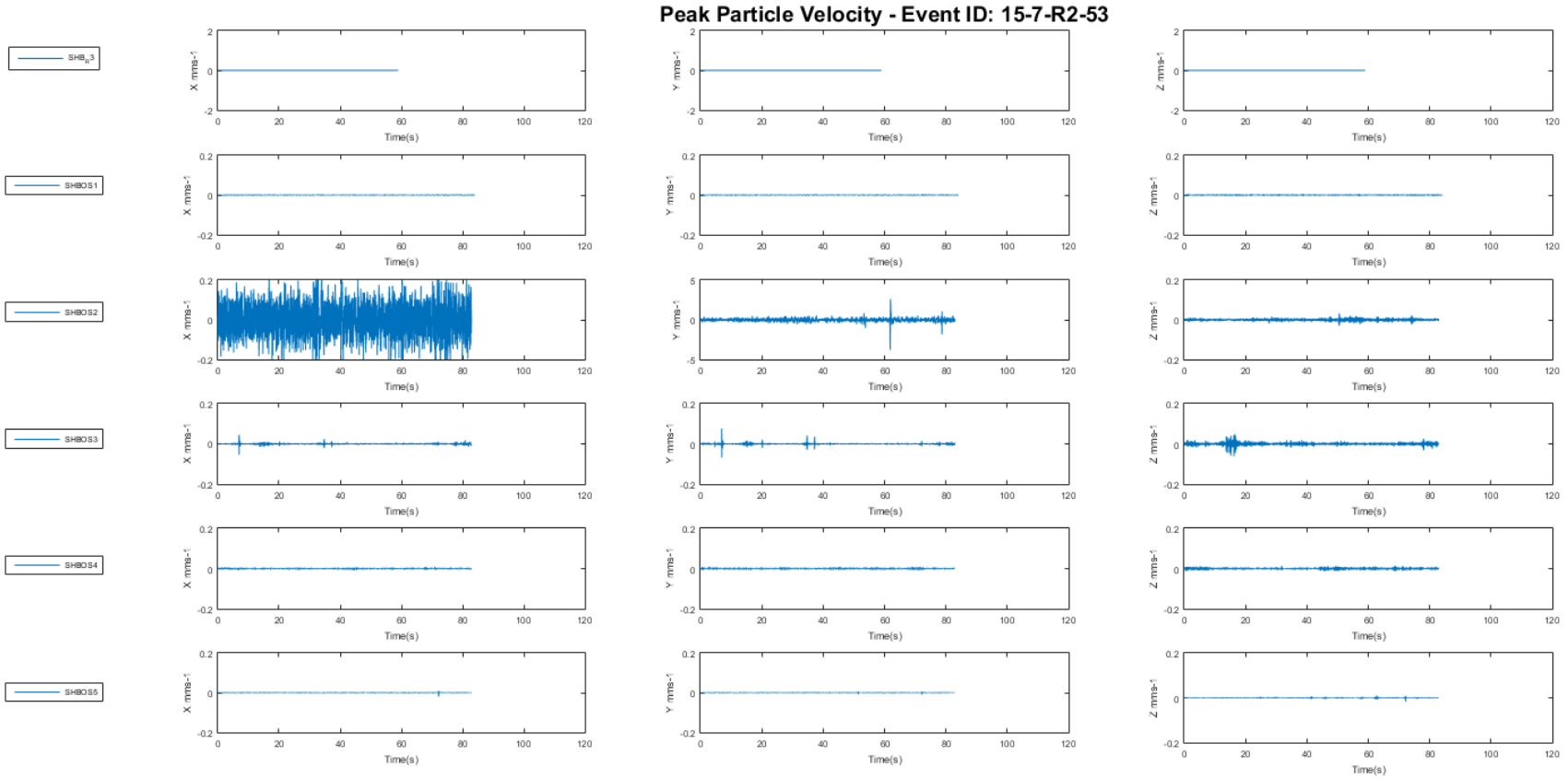
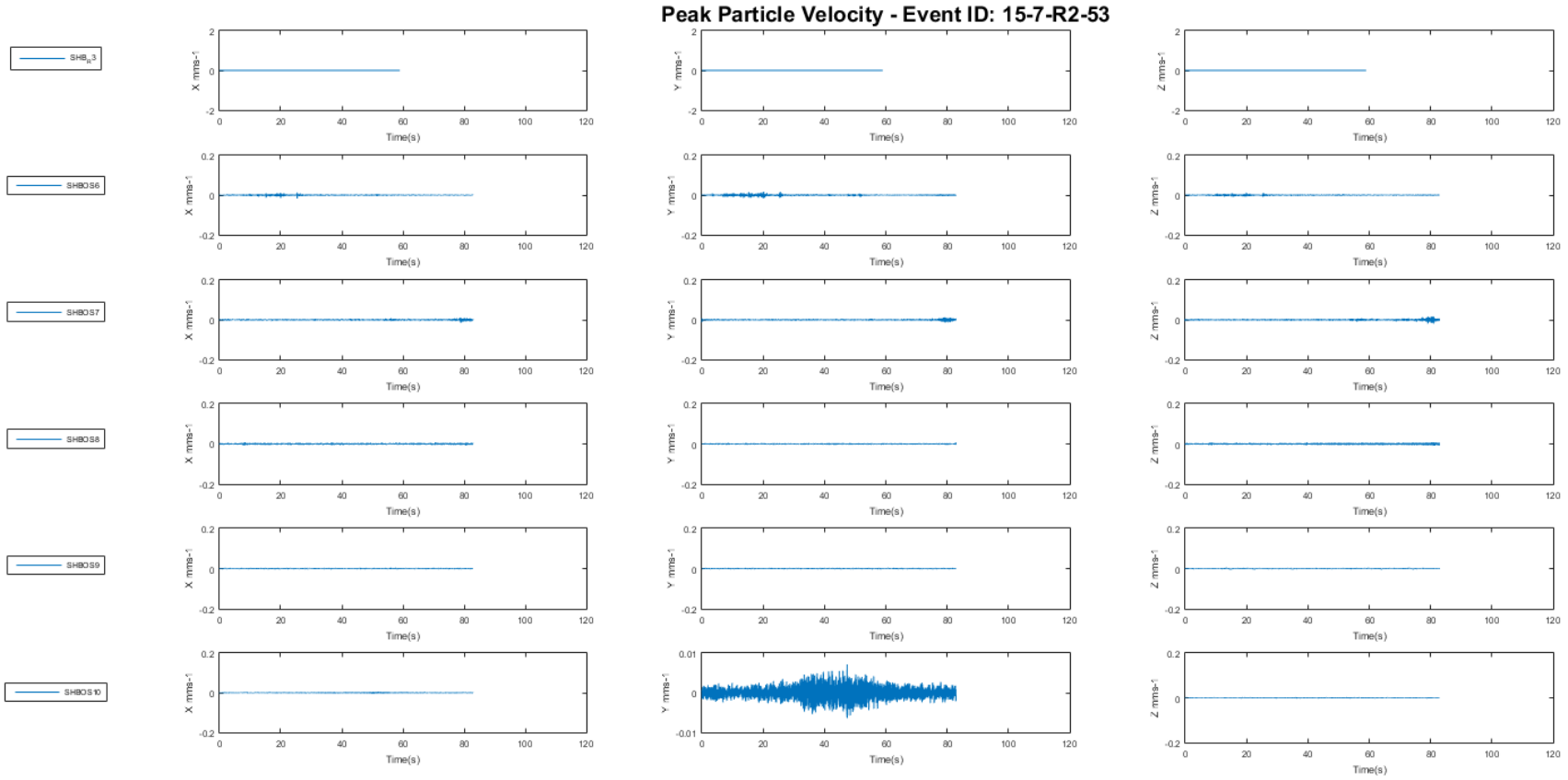


FIGURE 3.949: SHB_OS 1 - 5 15-7-R2-53

FIGURE 3.950: SHB_OS 6 - 10 15-7-R2-53



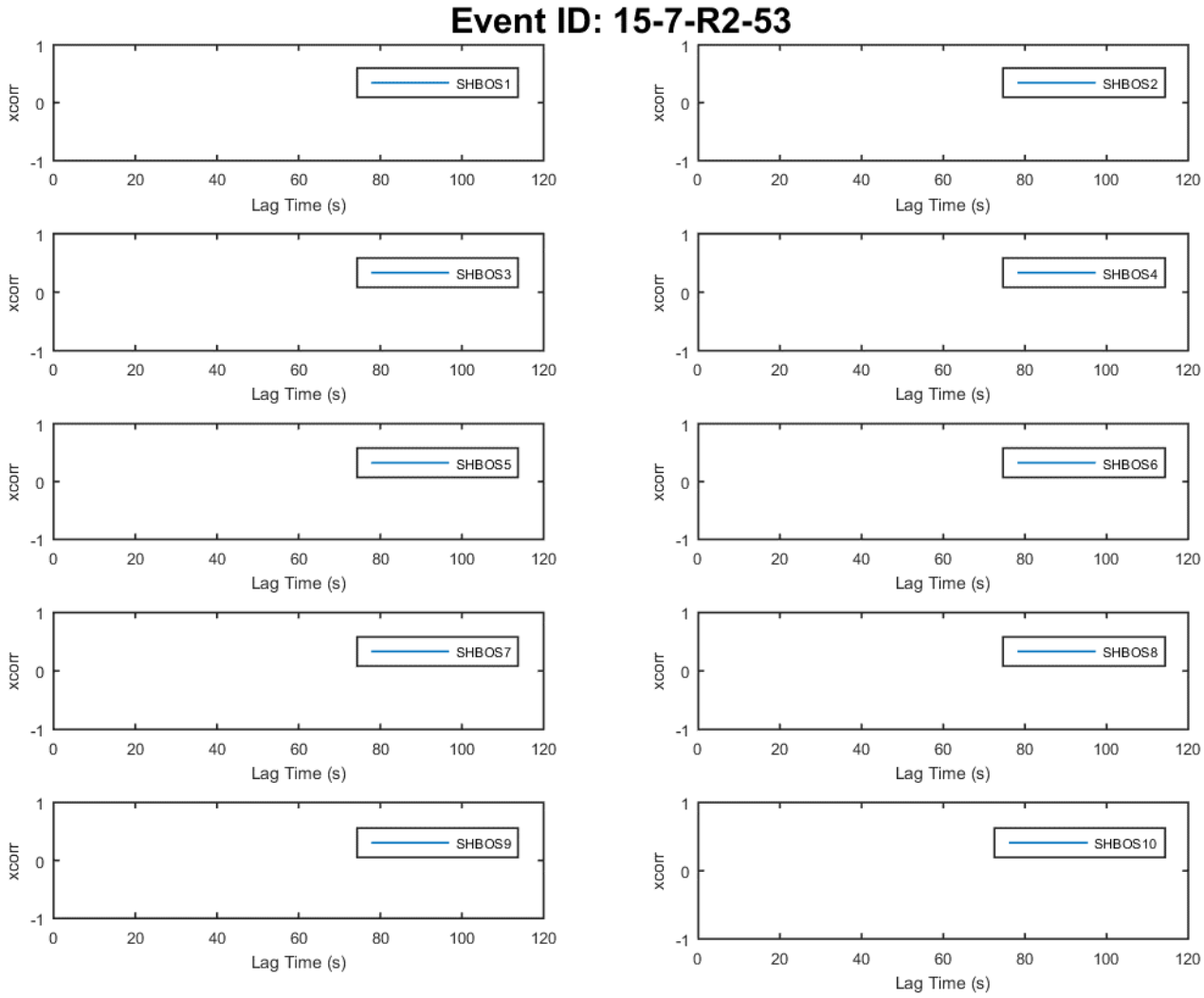


FIGURE 3.951: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-53

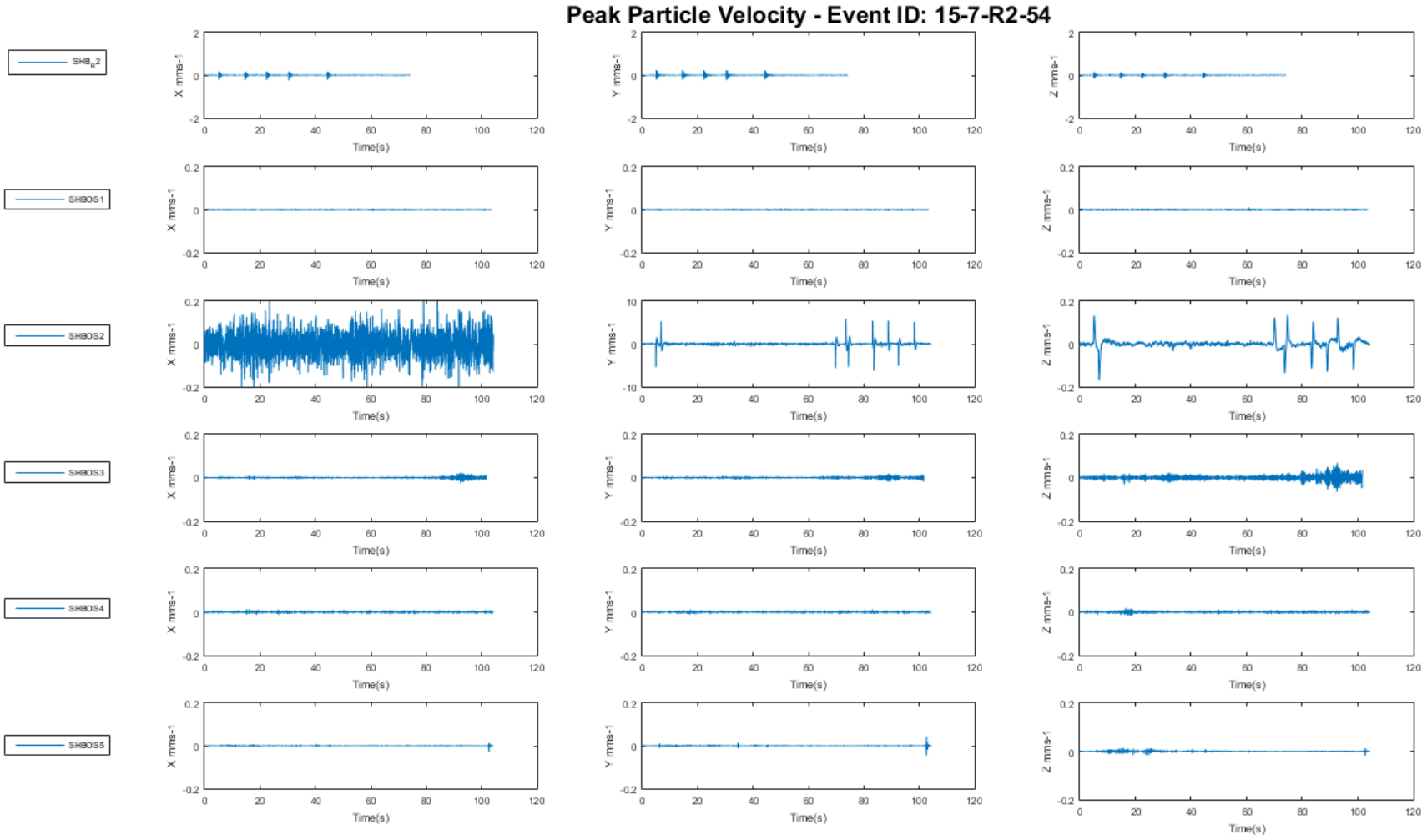


FIGURE 3.952: SHB_OS 1 - 5 15-7-R2-54

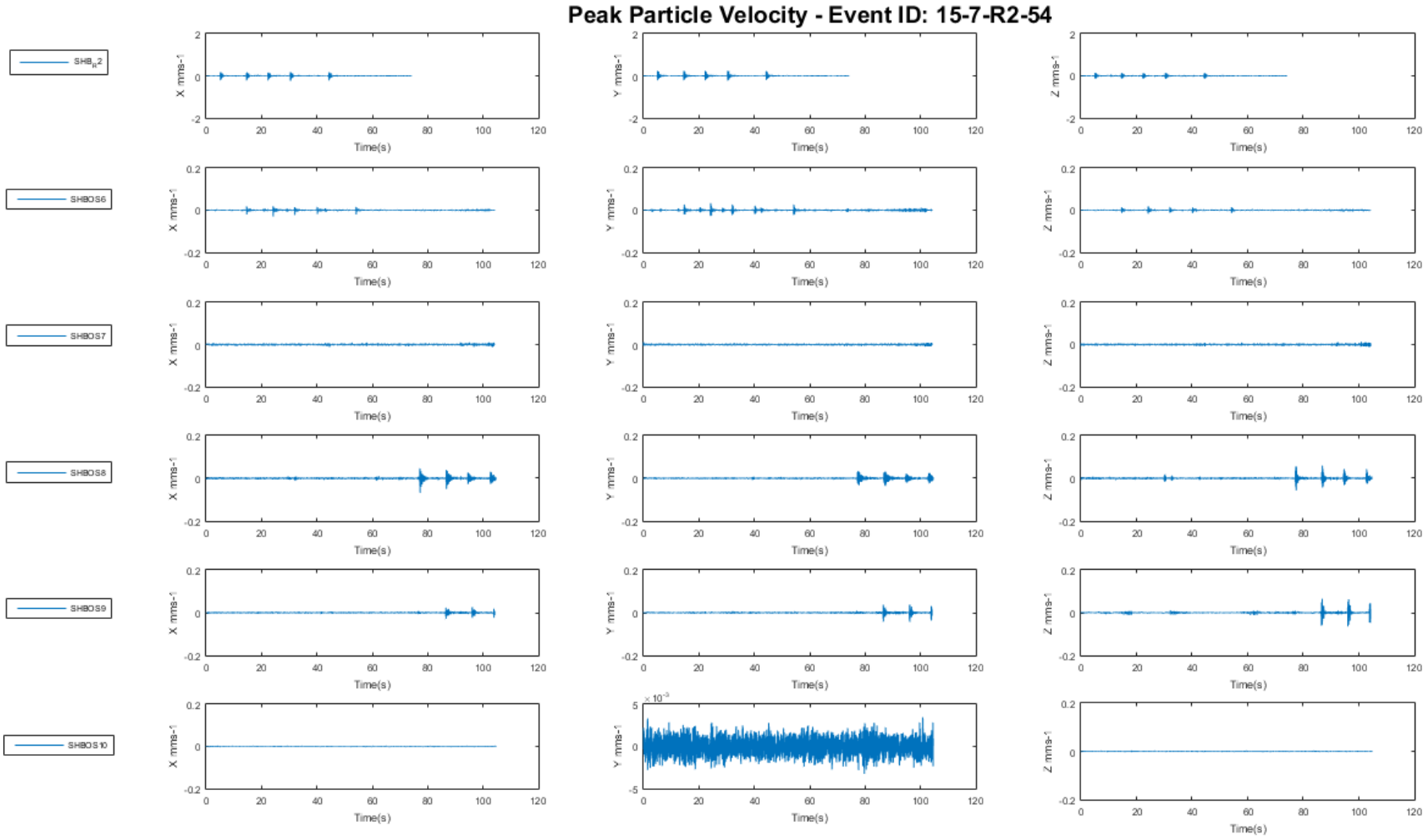


FIGURE 3.953: SHB_OS 6 - 10 15-7-R2-54

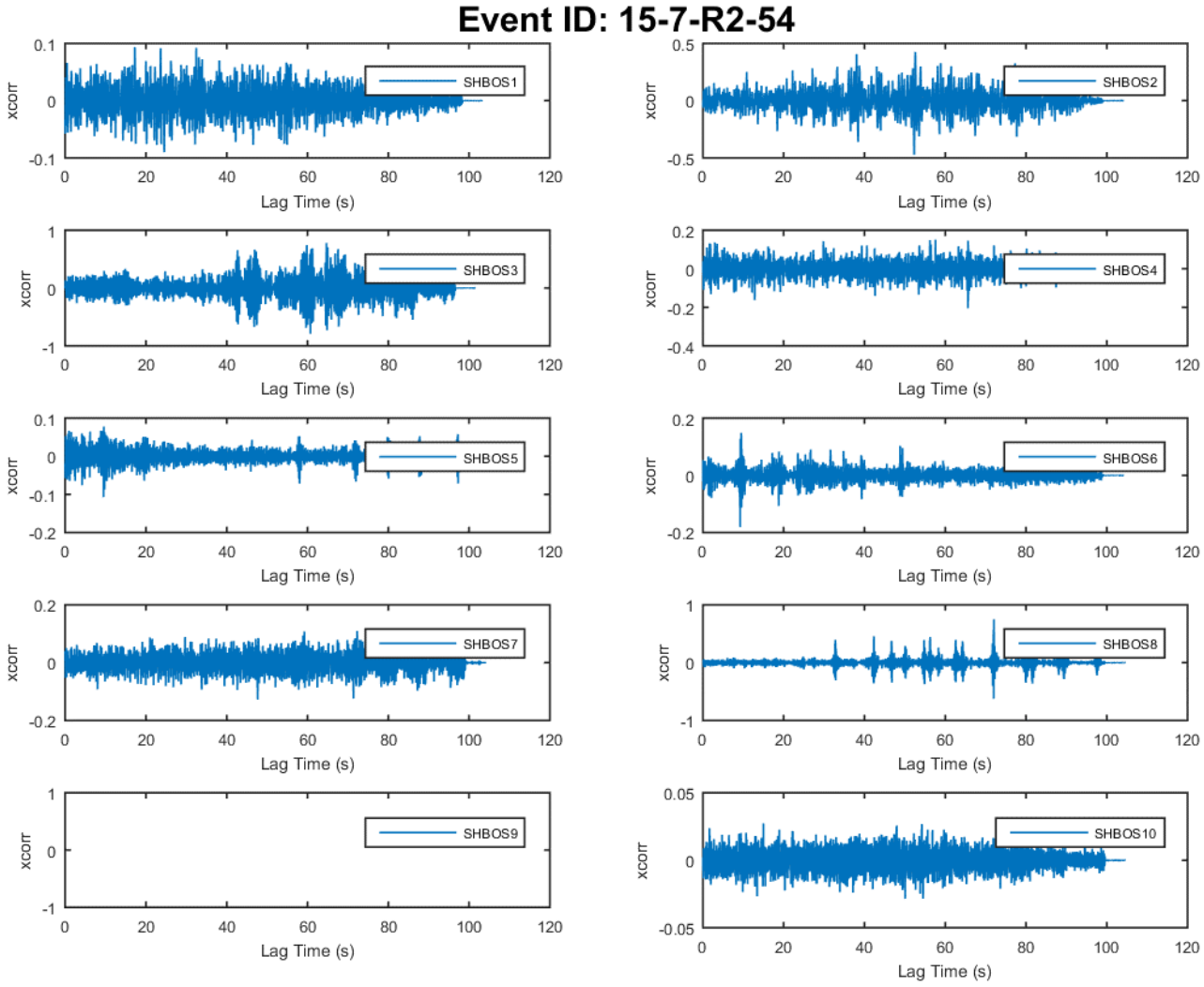


FIGURE 3.954: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-54

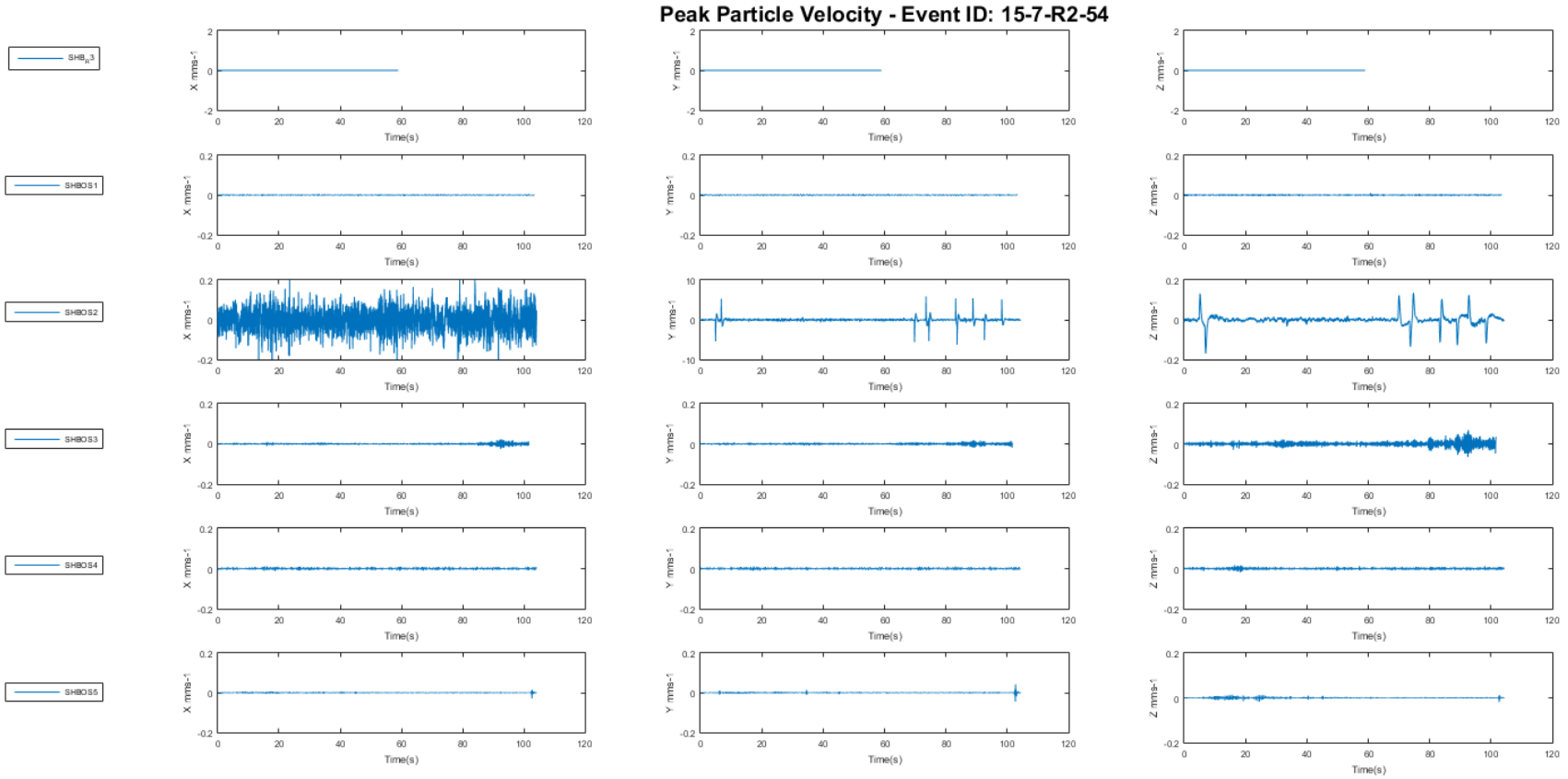
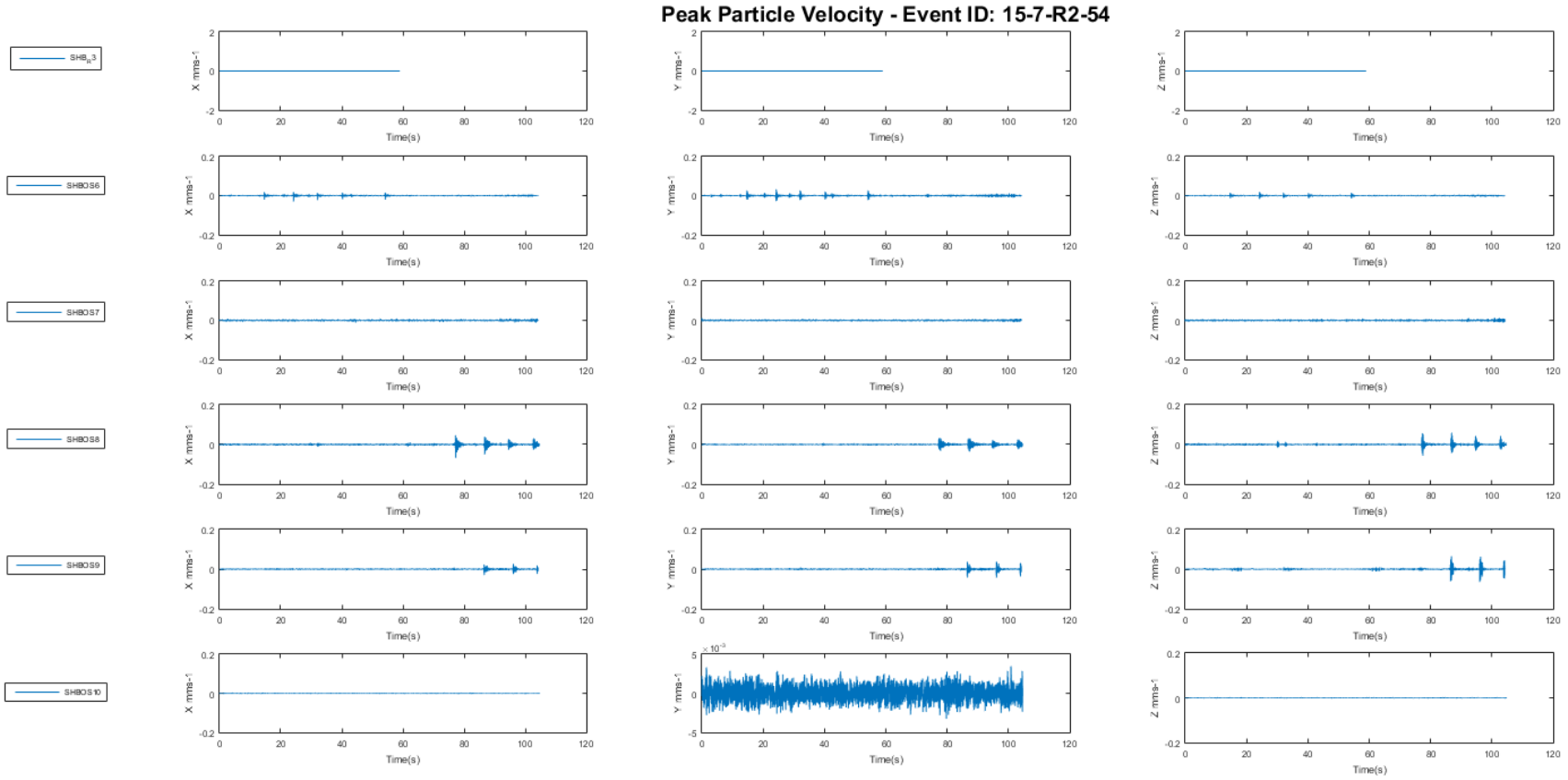


FIGURE 3.955: SHB_OS 1 - 5 15-7-R2-54

FIGURE 3.956: SHB_OS 6 - 10 15-7-R2-54



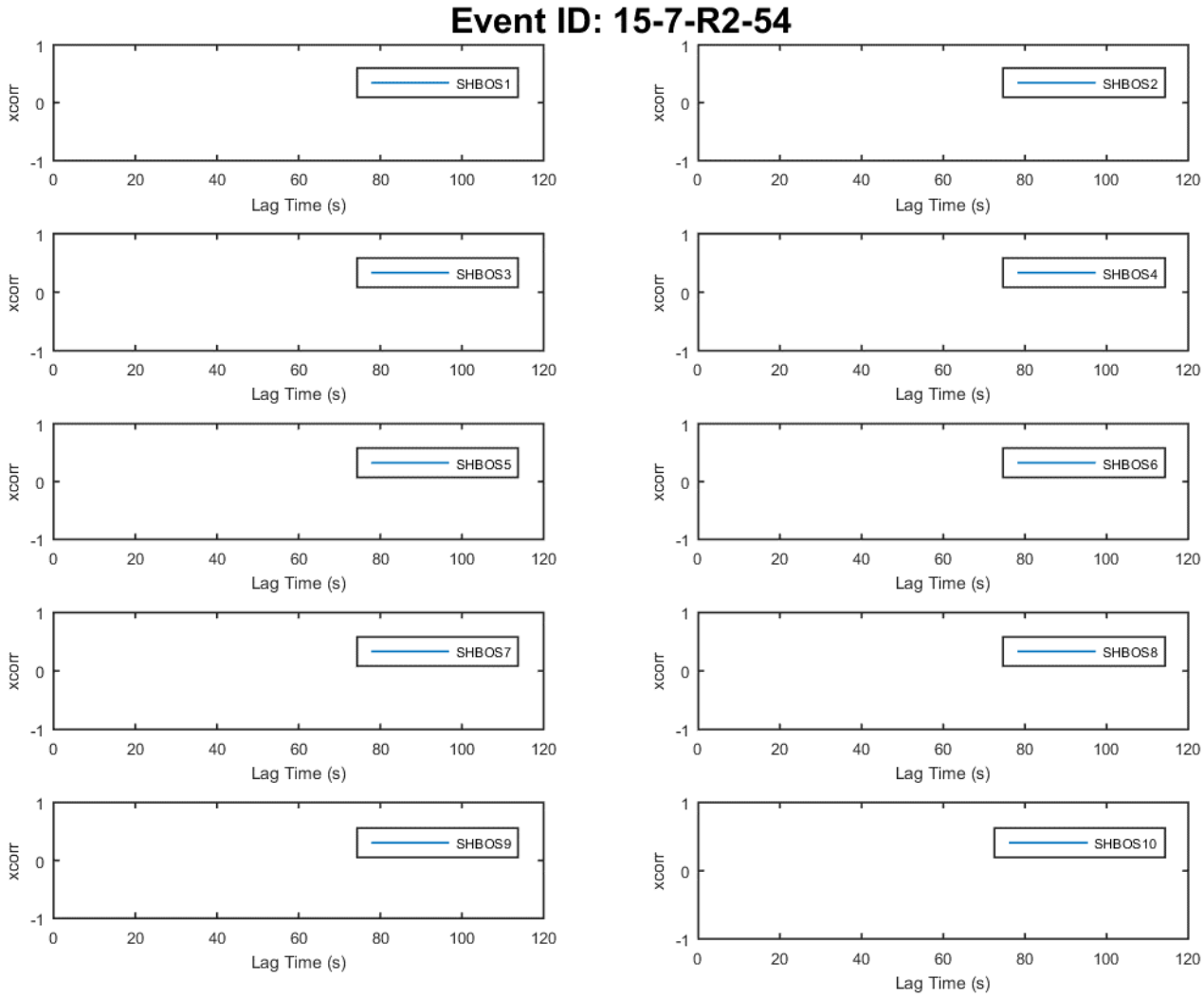


FIGURE 3.957: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-54

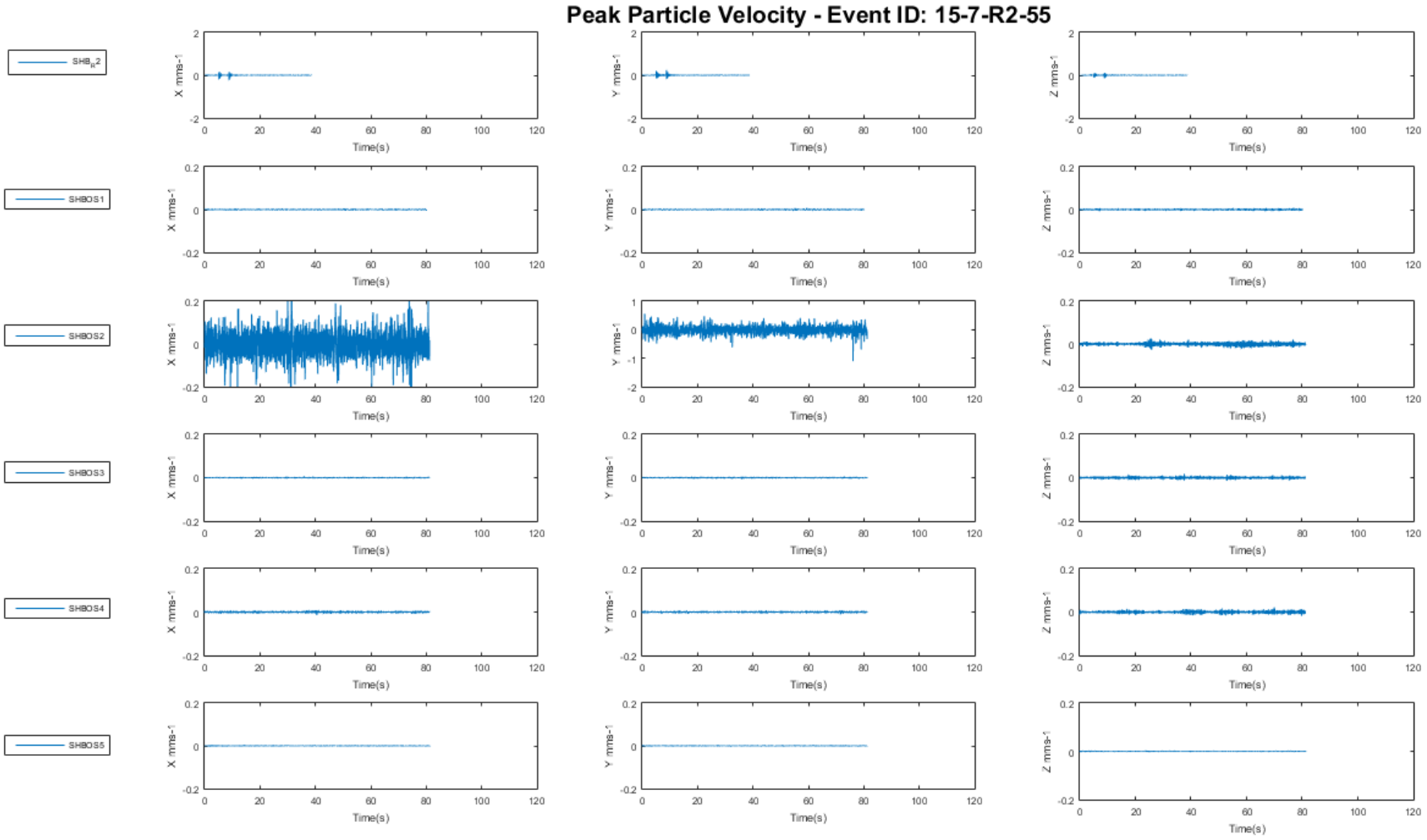


FIGURE 3.958: SHB_OS 1 - 5 15-7-R2-55

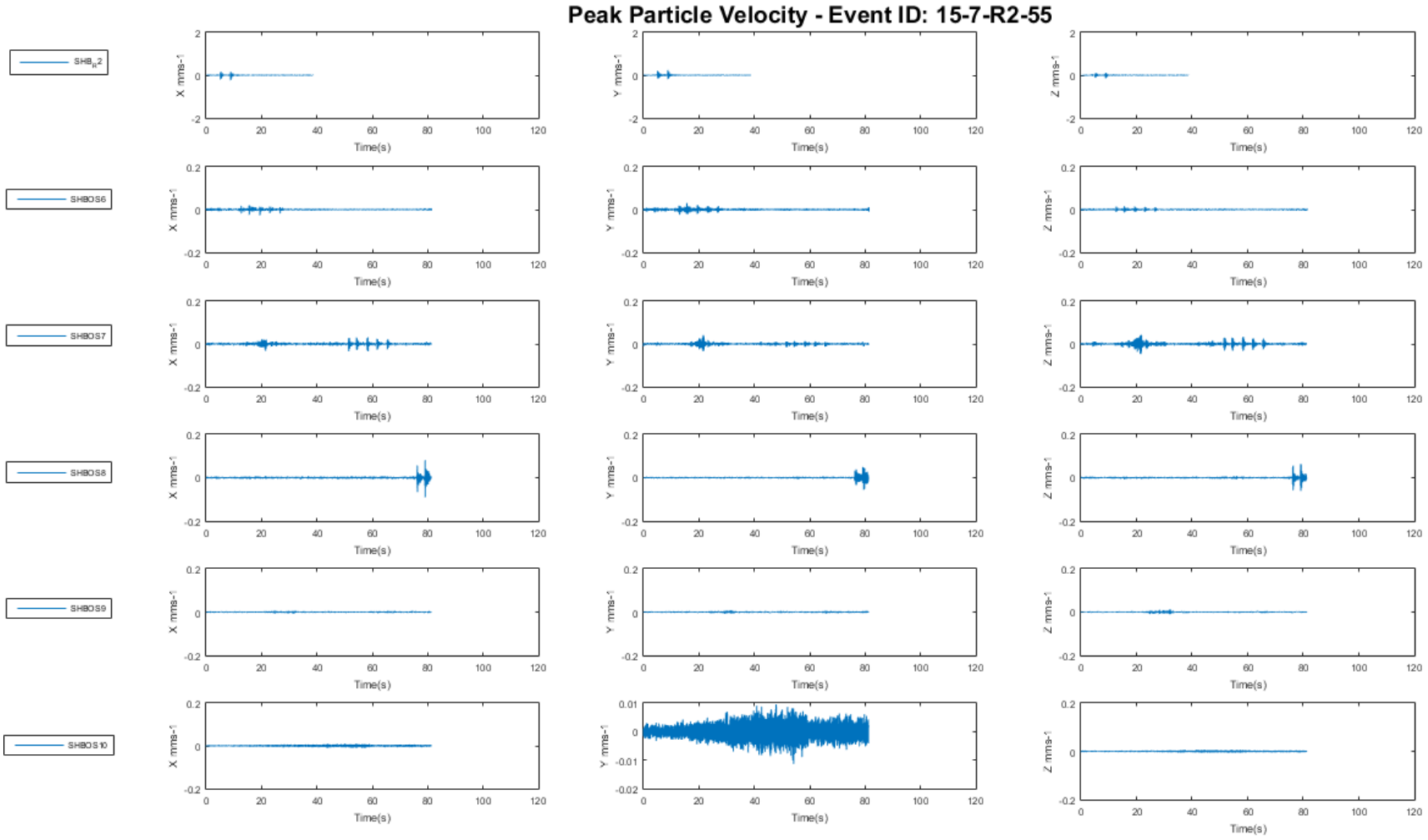


FIGURE 3.959: SHB_OS 6 - 10 15-7-R2-55

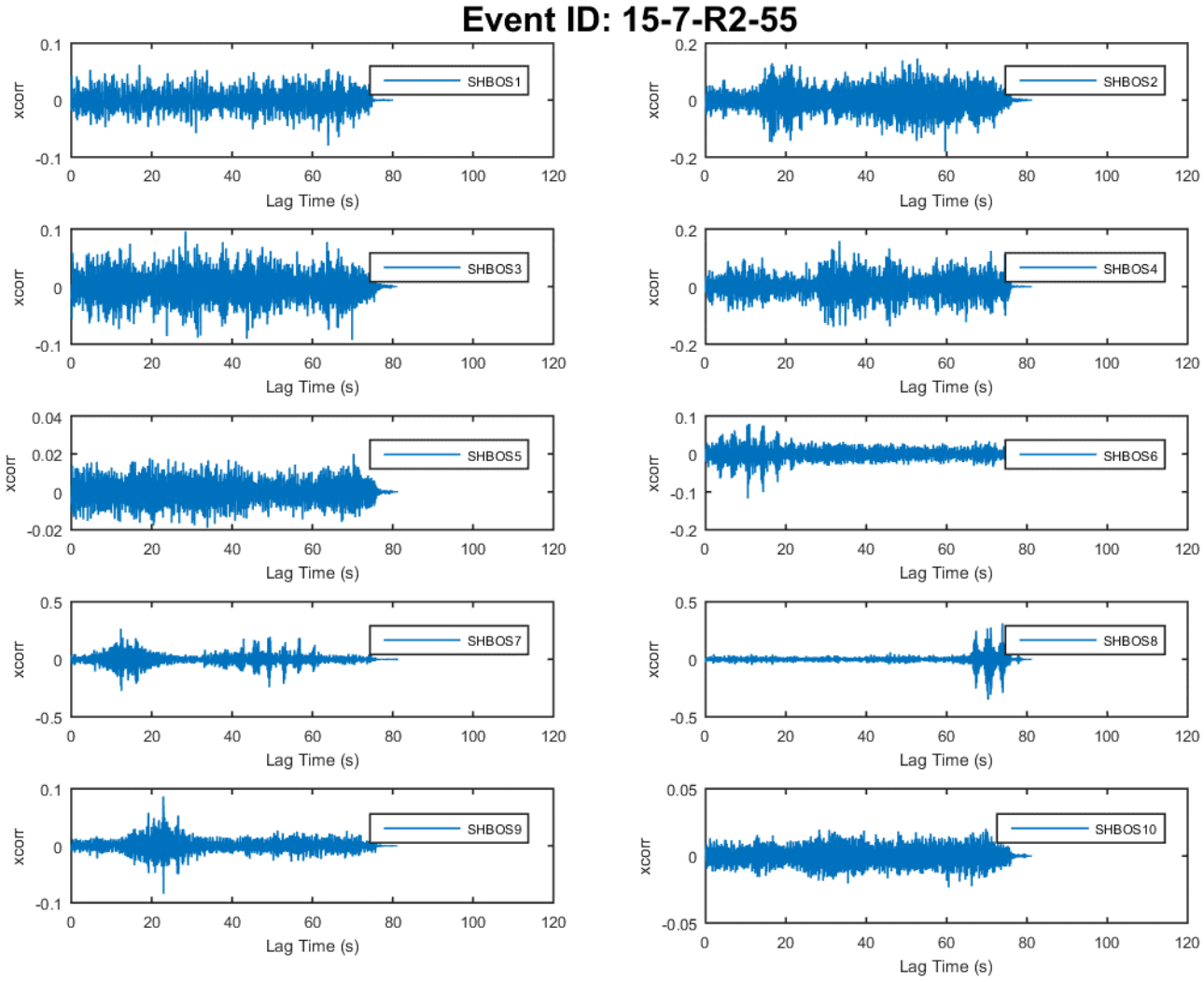


FIGURE 3.960: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-55

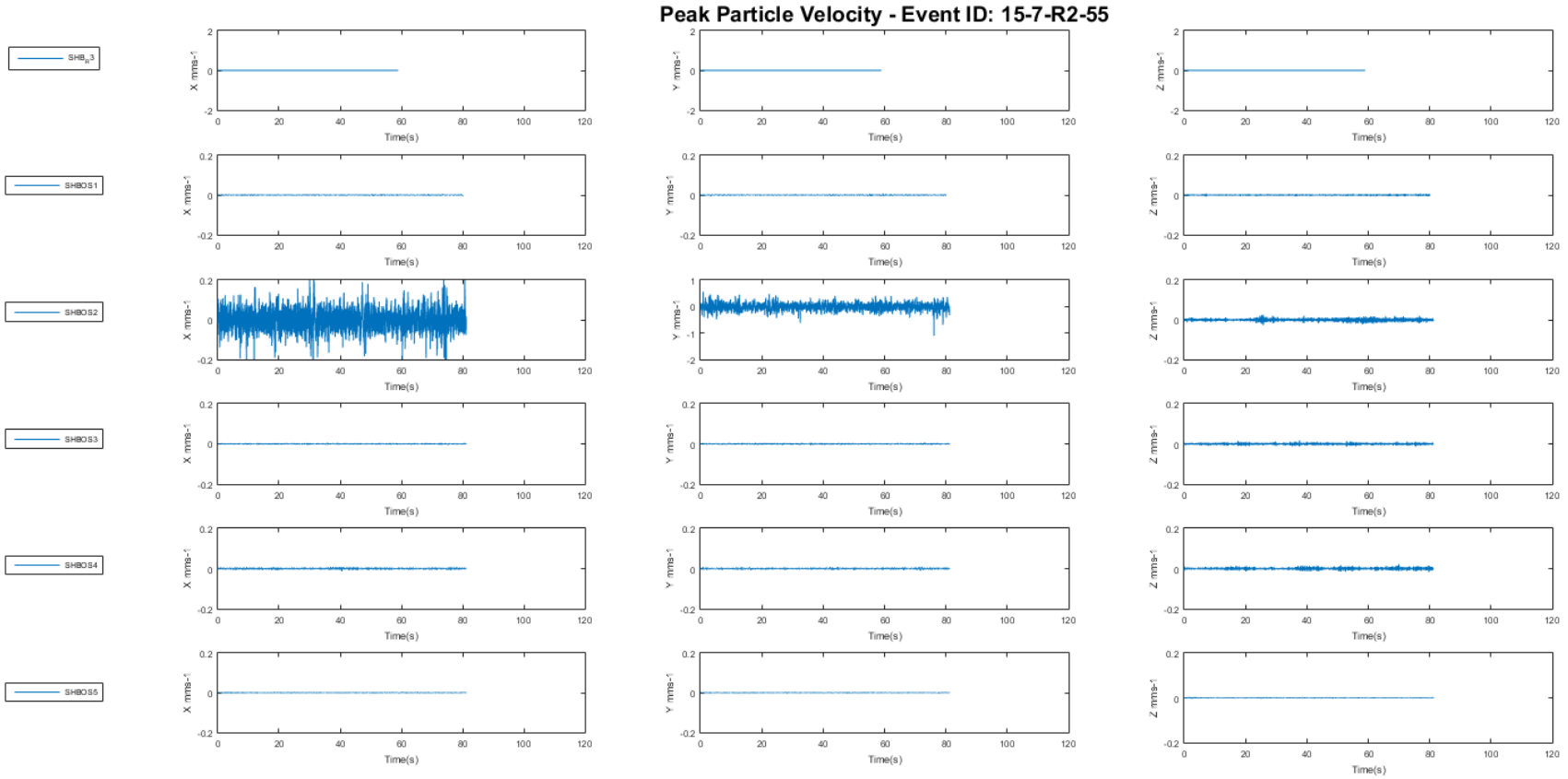
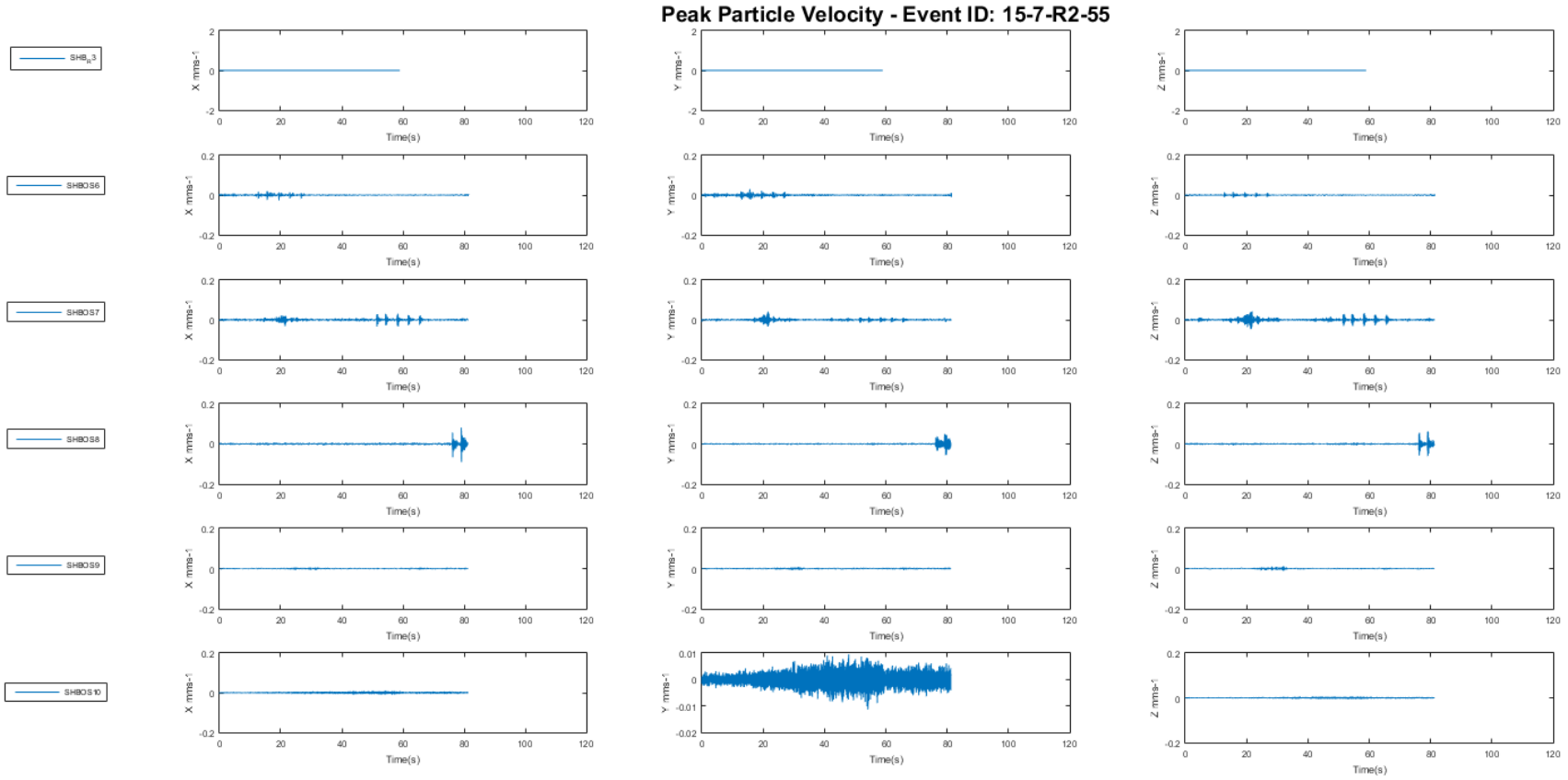


FIGURE 3.961: SHB_OS 1 - 5 15-7-R2-55

FIGURE 3.962: SHB_OS 6 - 10 15-7-R2-55



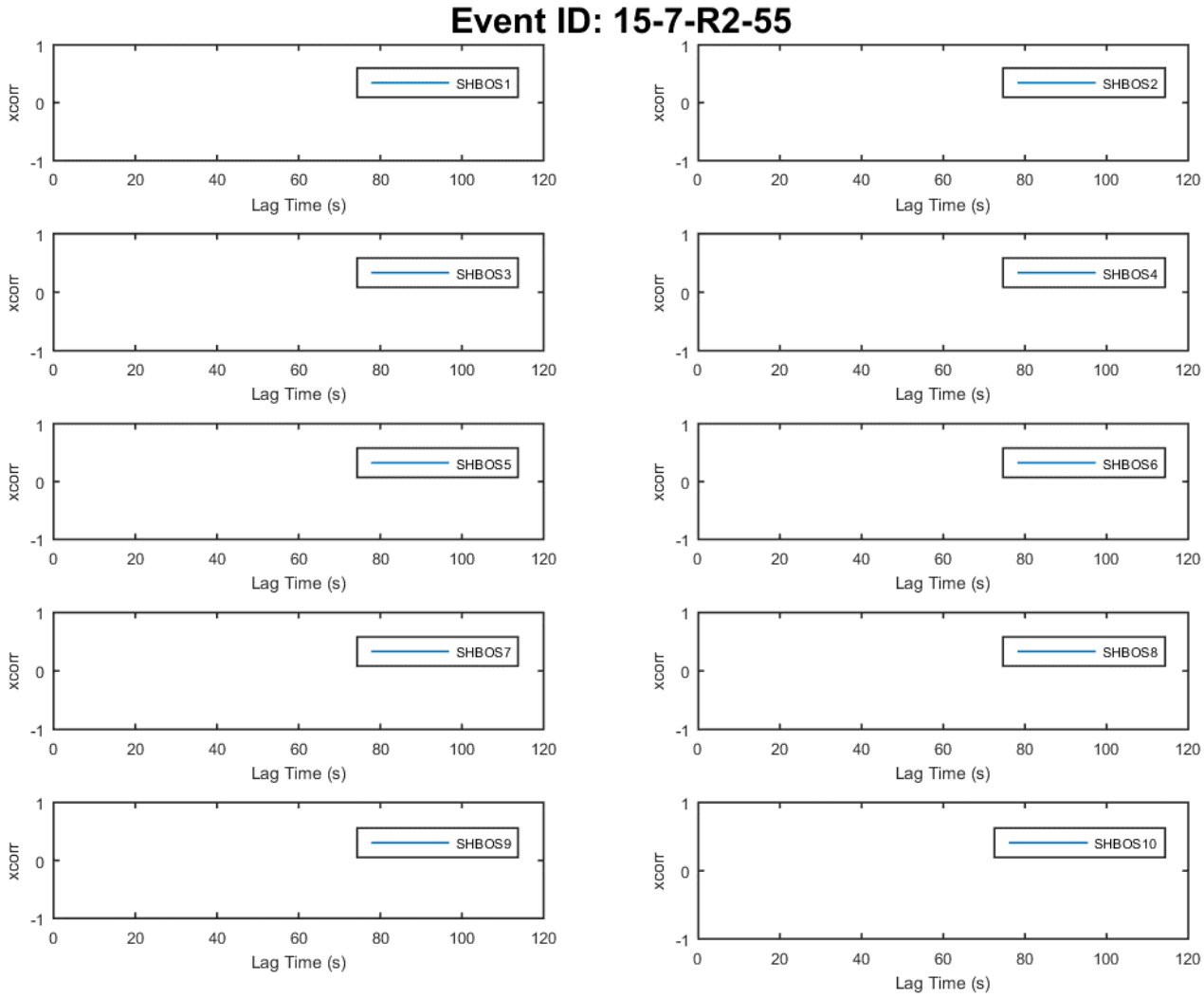


FIGURE 3.963: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-55

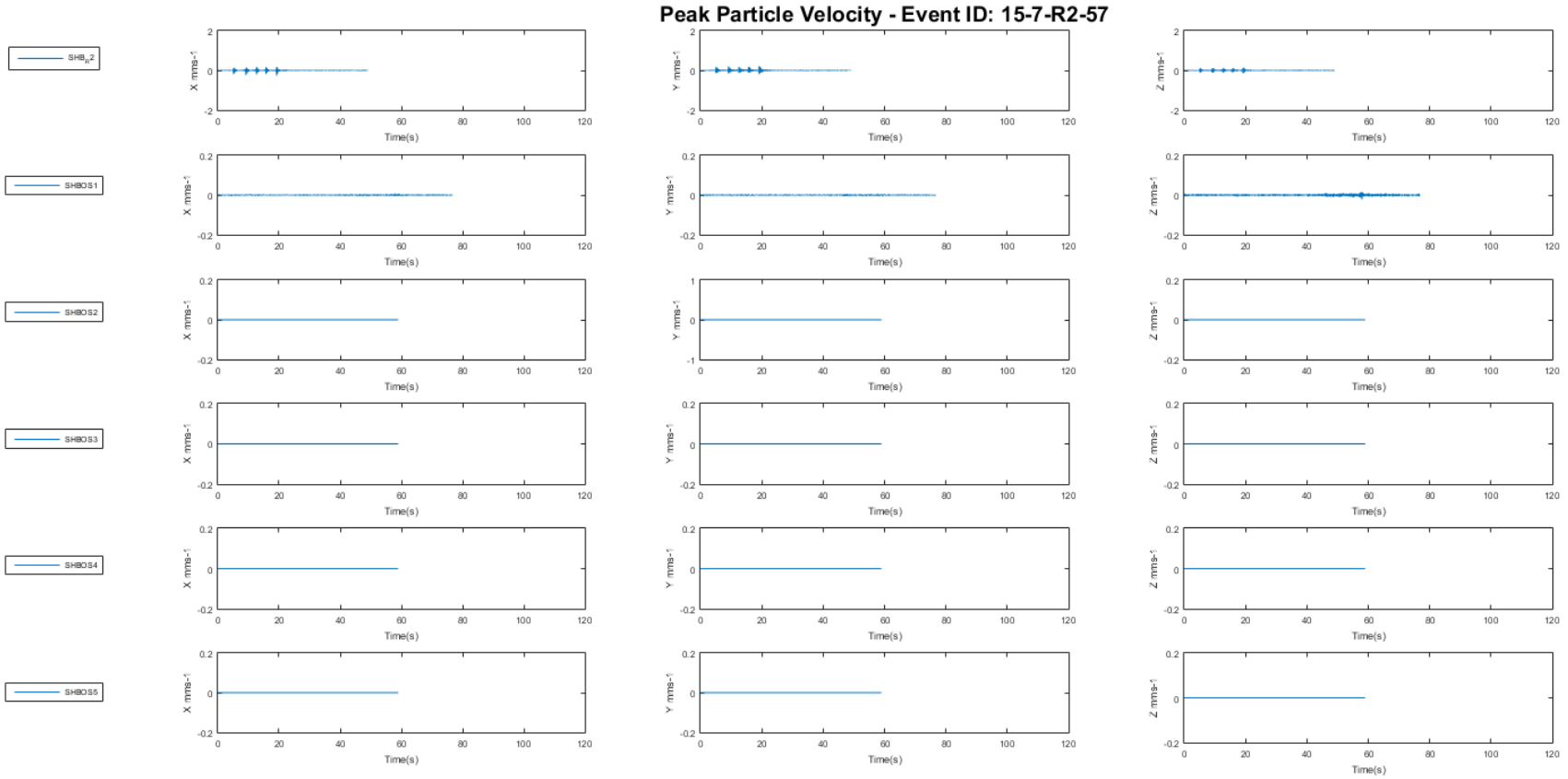
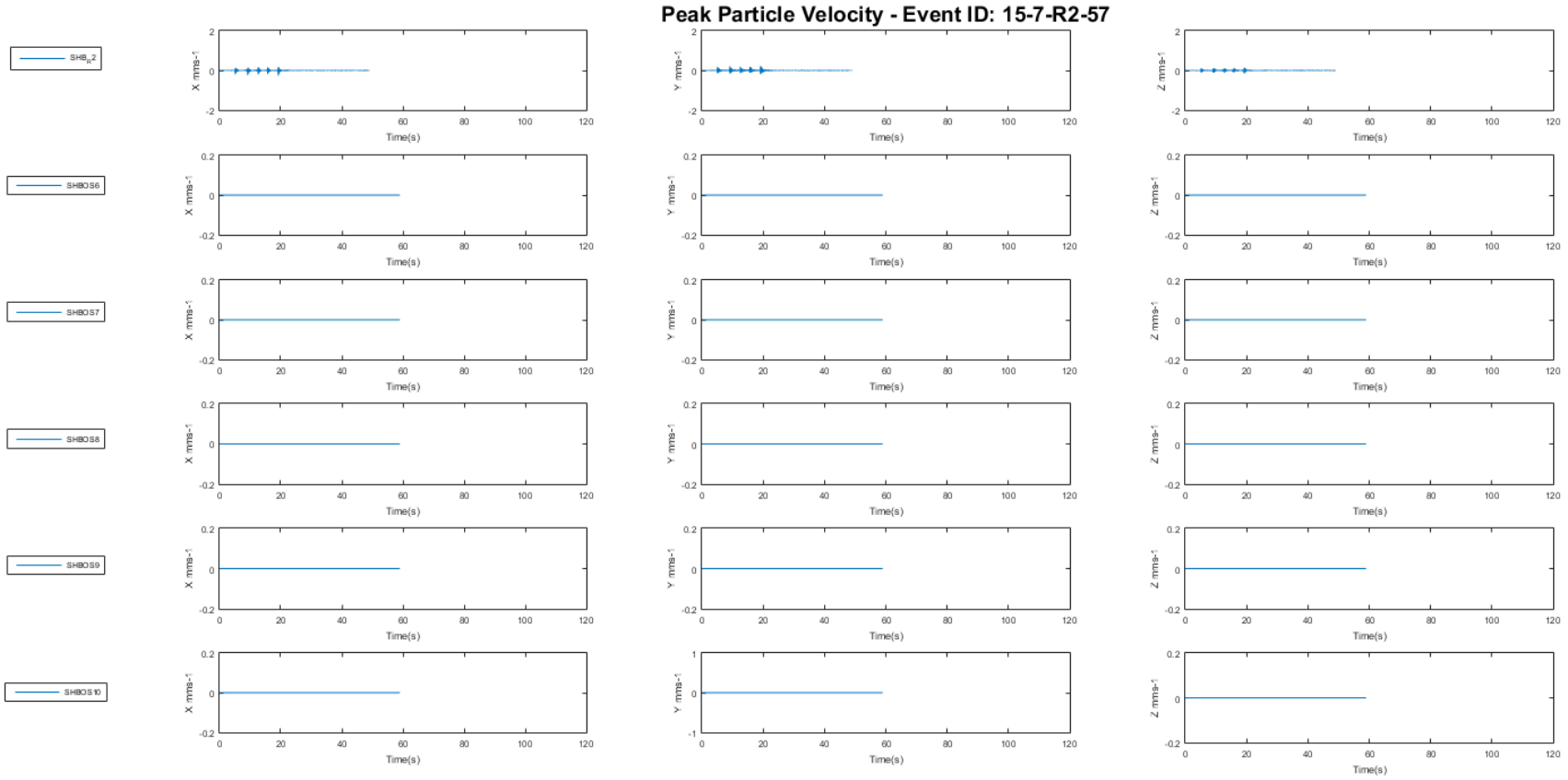


FIGURE 3.964: SHB_OS 1 - 5 15-7-R2-57

FIGURE 3.965: SHB_OS 6 - 10 15-7-R2-57



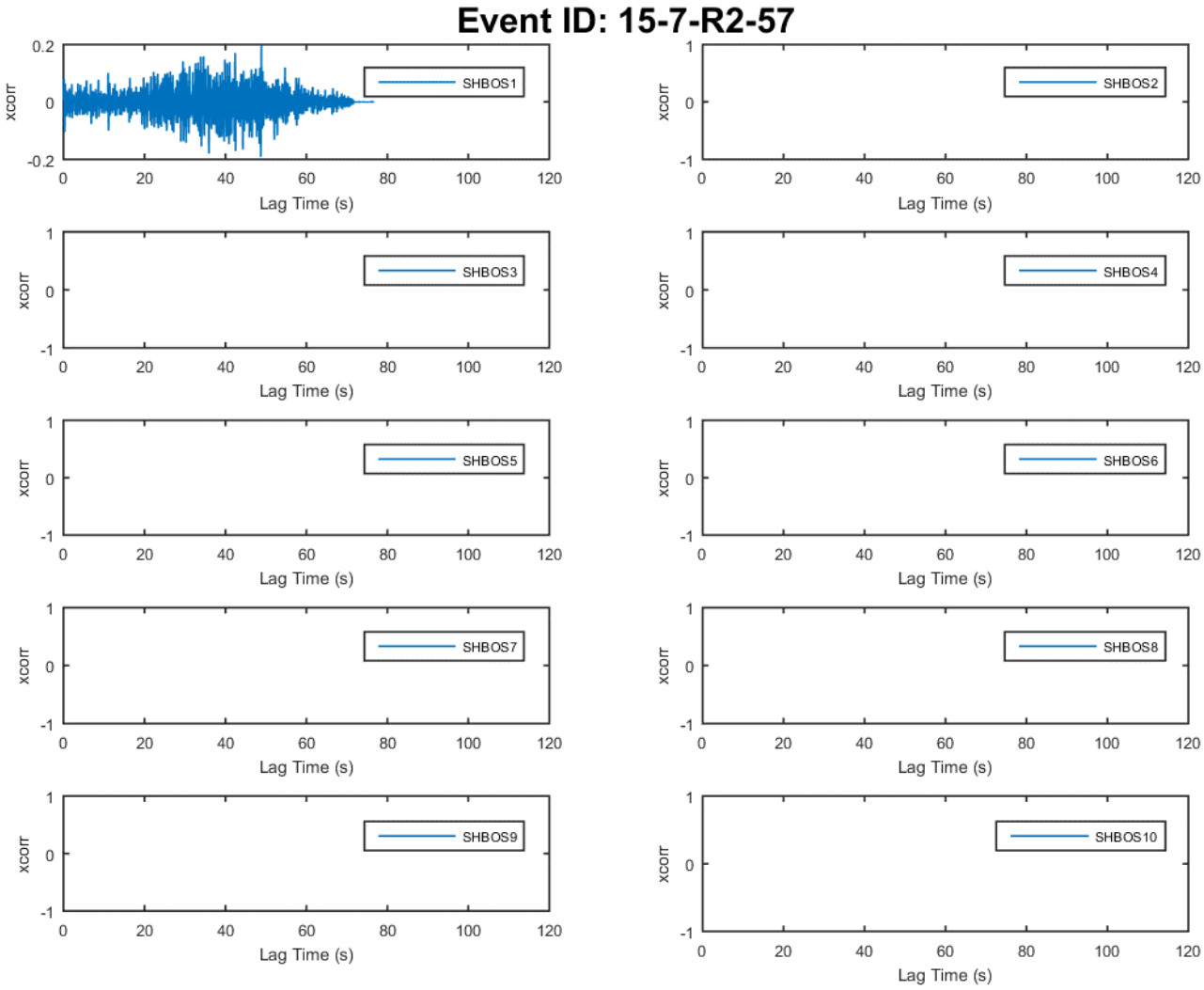


FIGURE 3.966: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-57

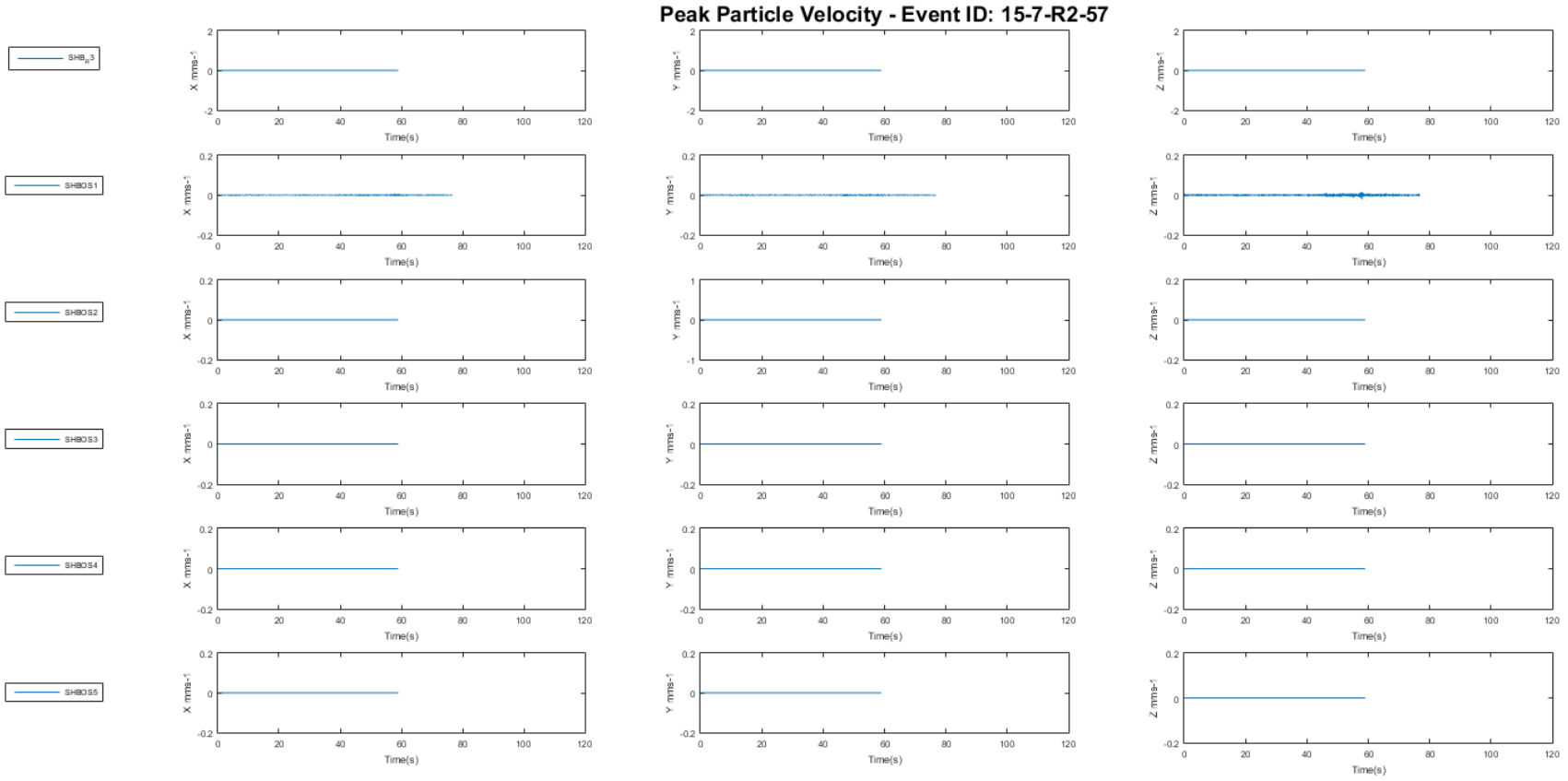
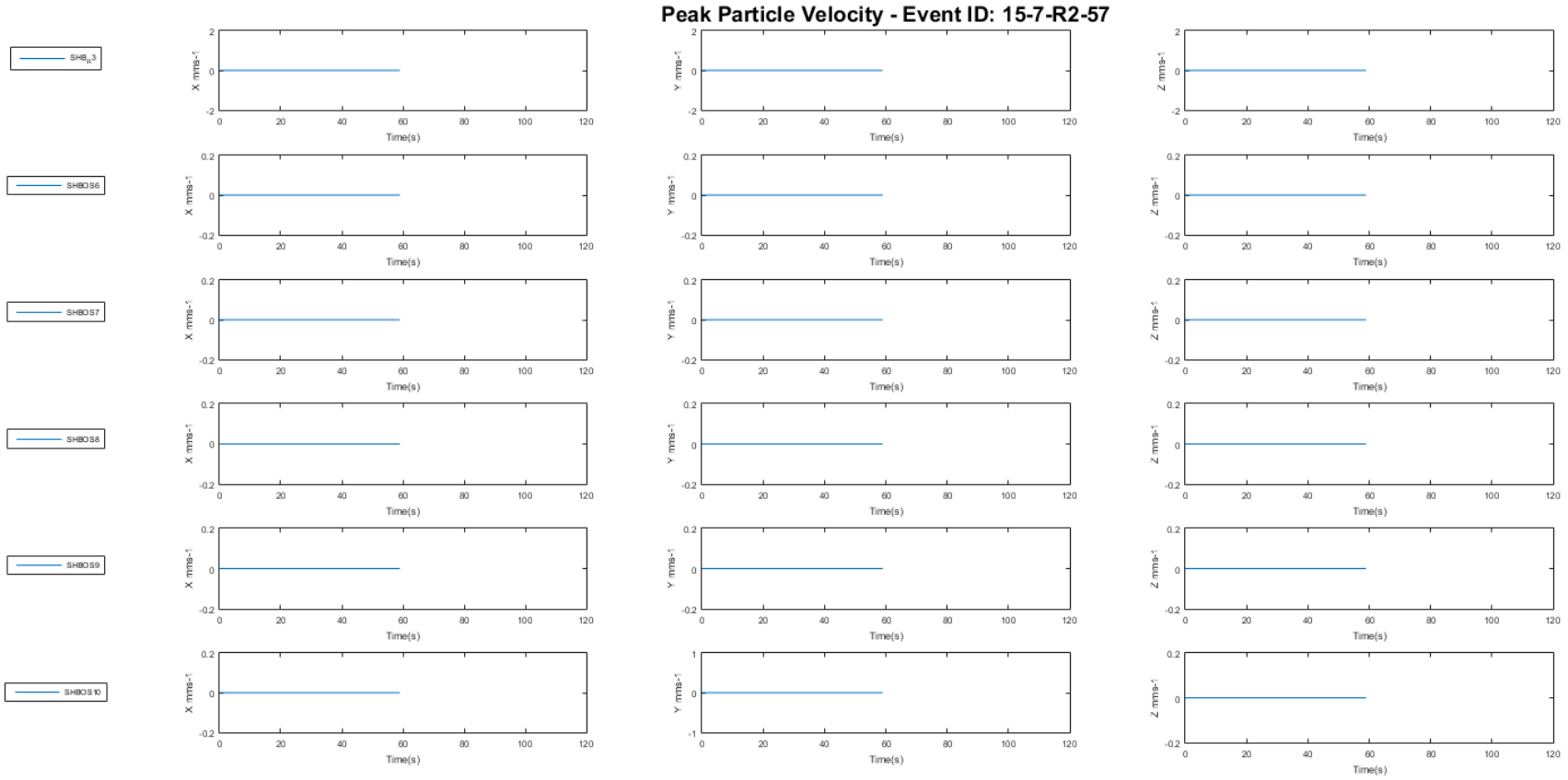


FIGURE 3.967: SHB_OS 1 - 5 15-7-R2-57

FIGURE 3.968: SHB_OS 6 - 10 15-7-R2-57



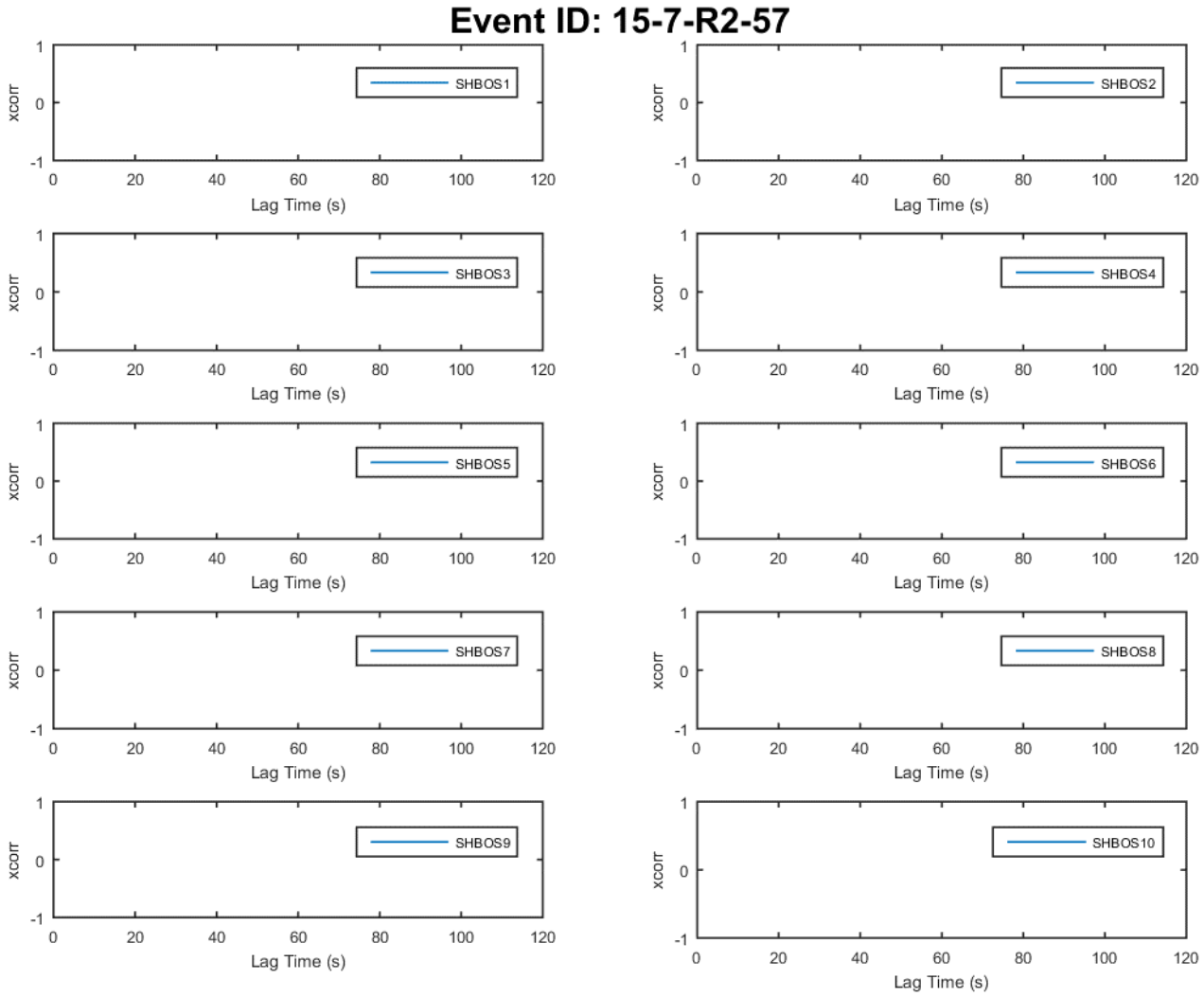


FIGURE 3.969: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-57

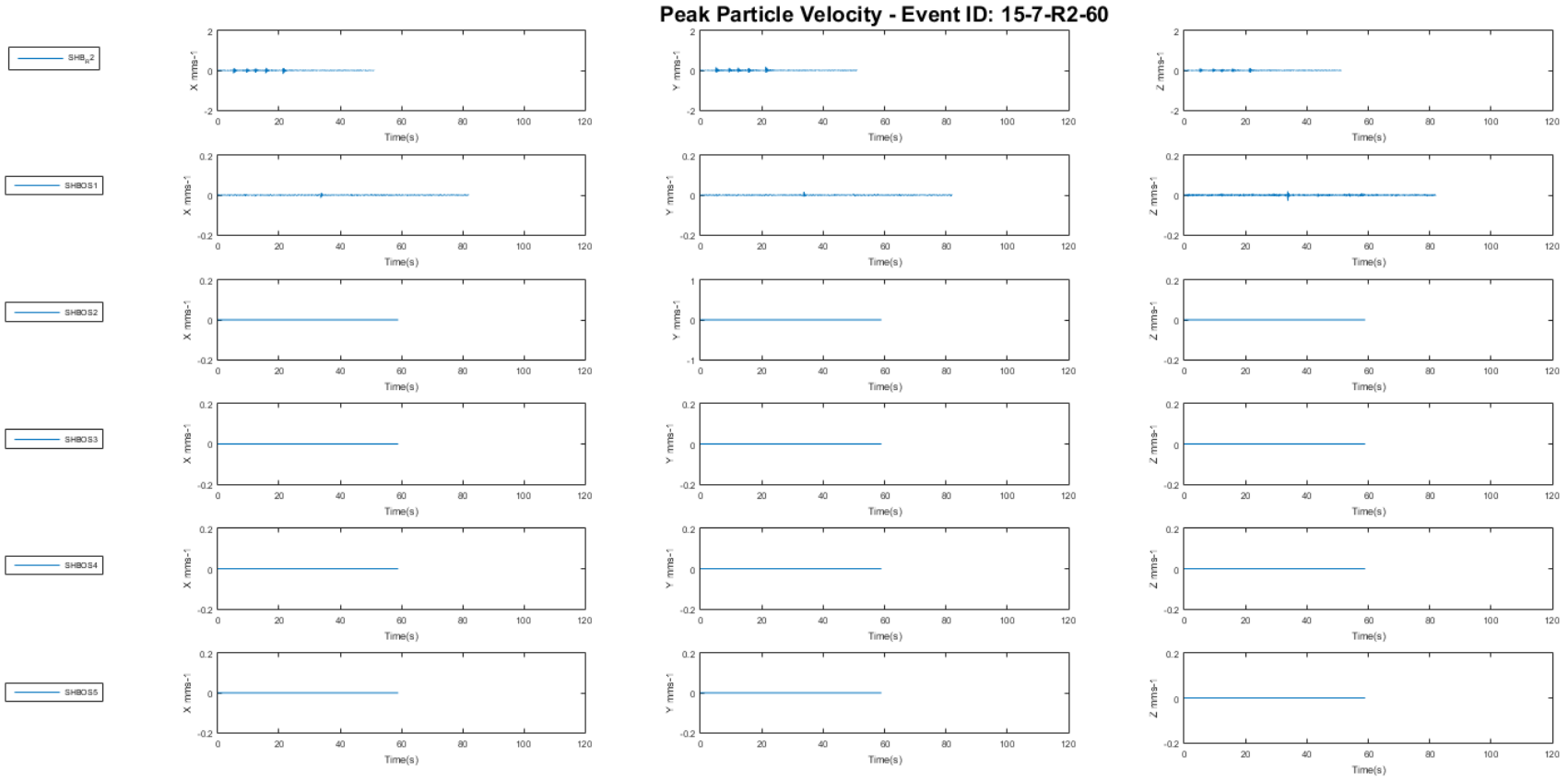
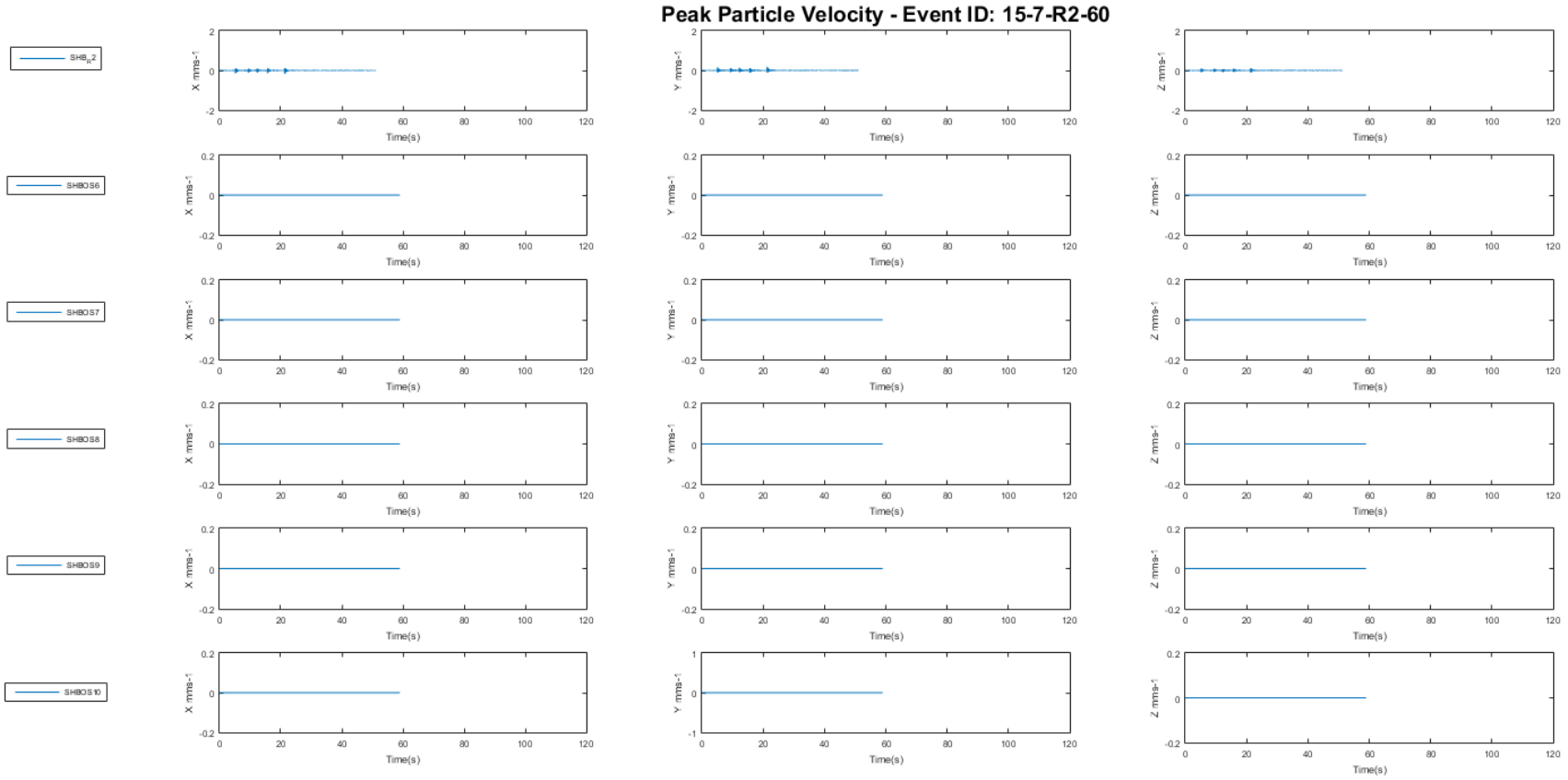


FIGURE 3.970: SHB_OS 1 - 5 15-7-R2-60

FIGURE 3.971: SHB_OS 6 - 10 15-7-R2-60



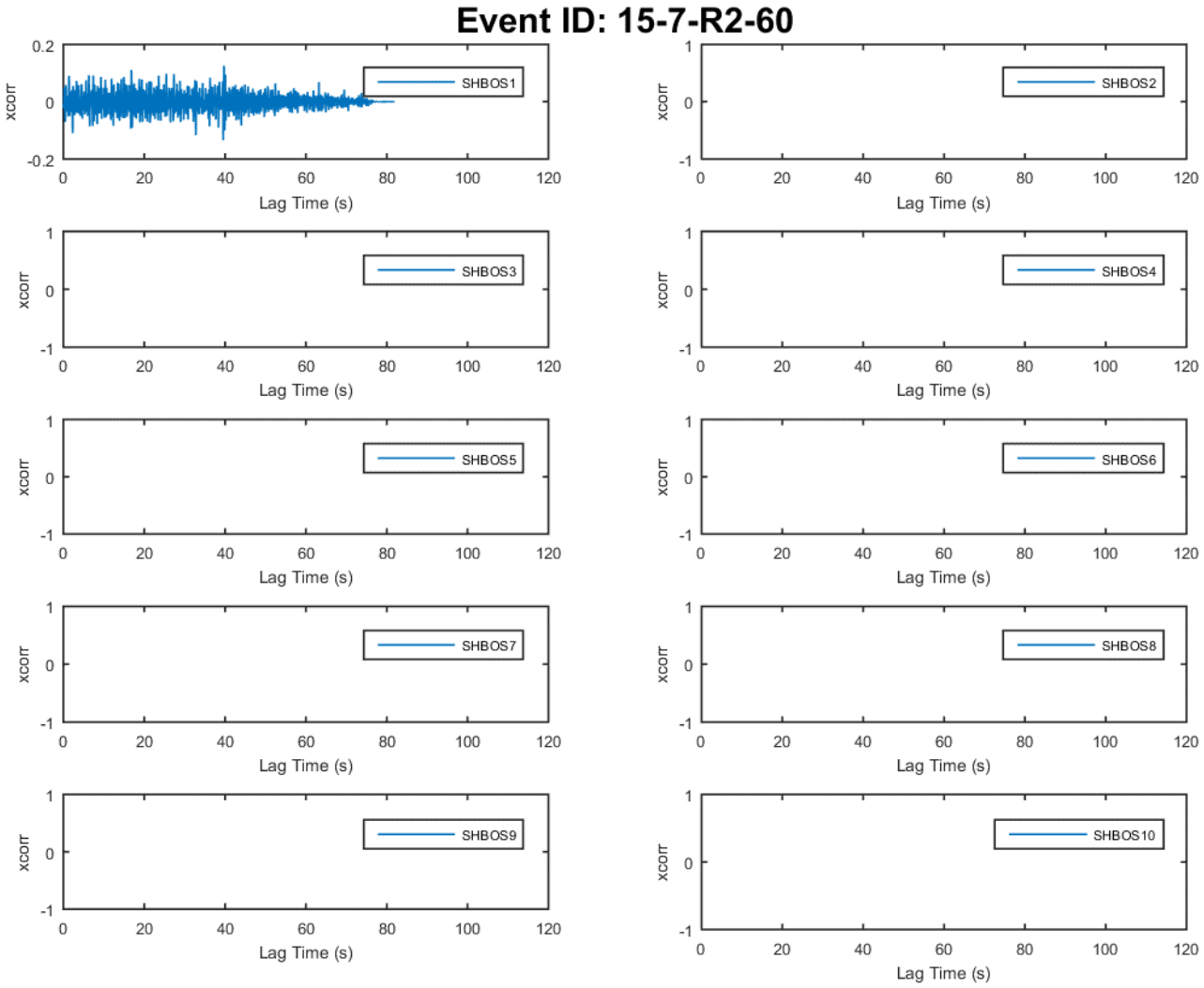


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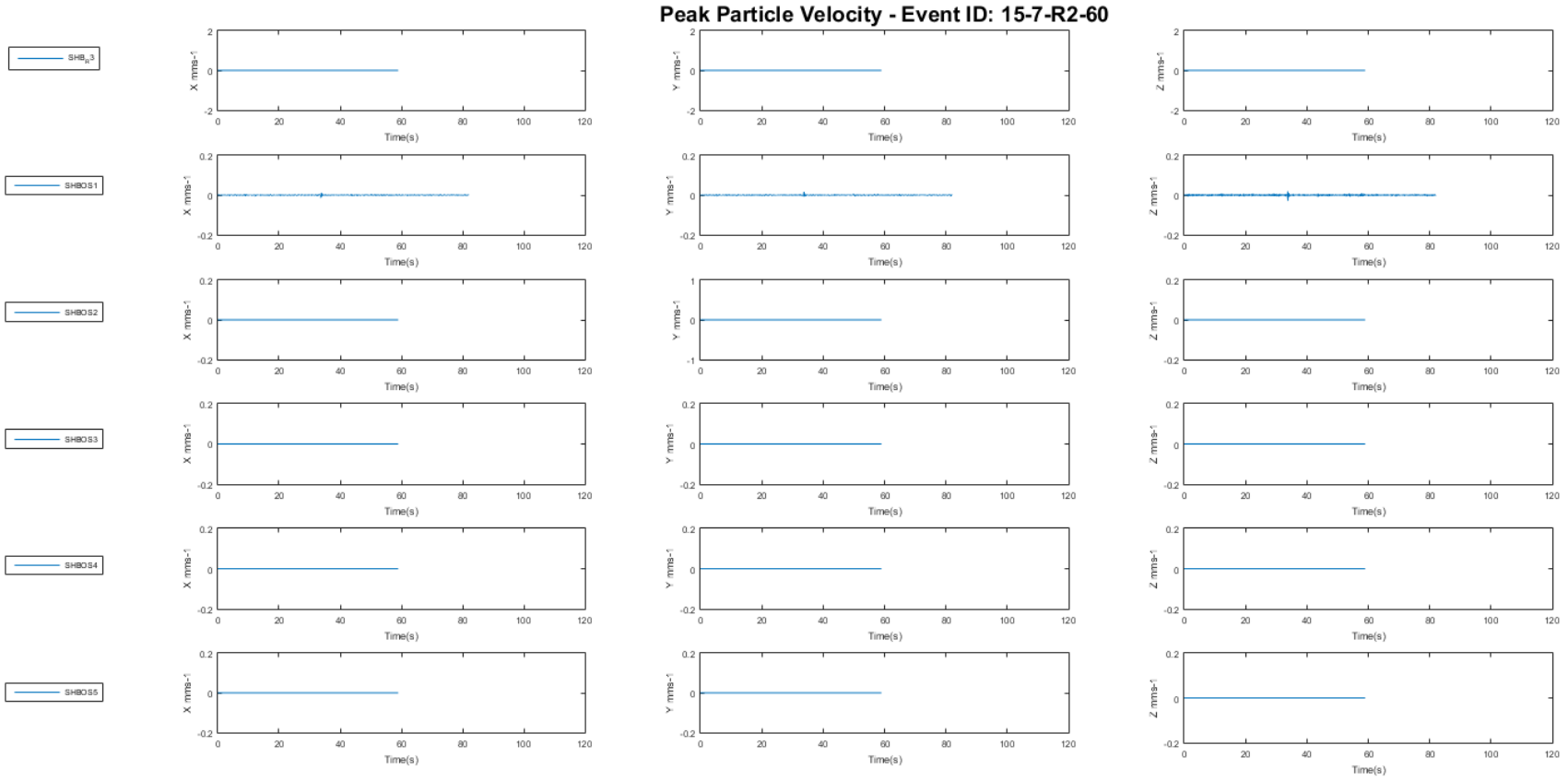
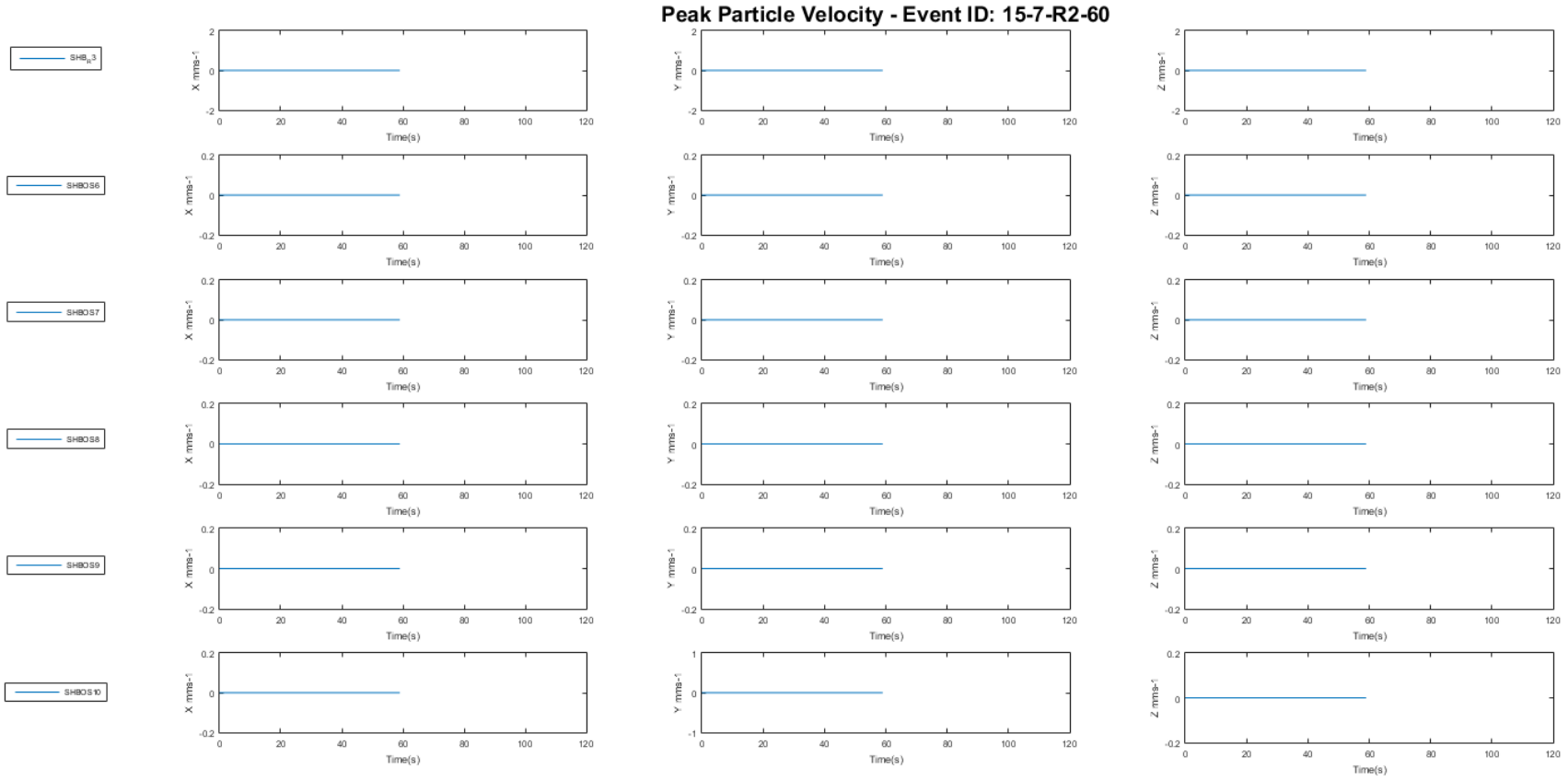


FIGURE 3.973: SHB_OS 1 - 5 15-7-R2-60

FIGURE 3.974: SHB_OS 6 - 10 15-7-R2-60



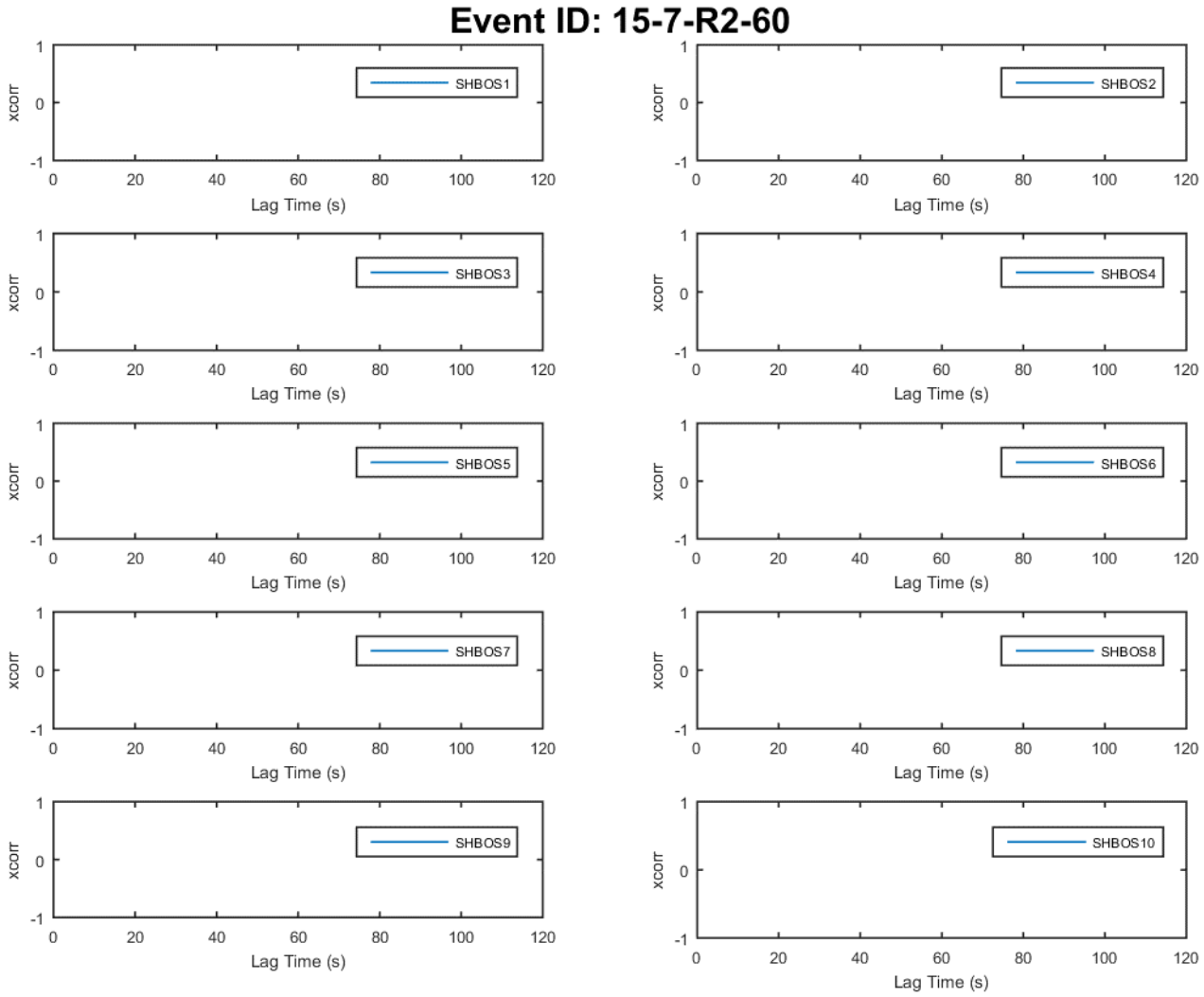


FIGURE 3.975: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-60

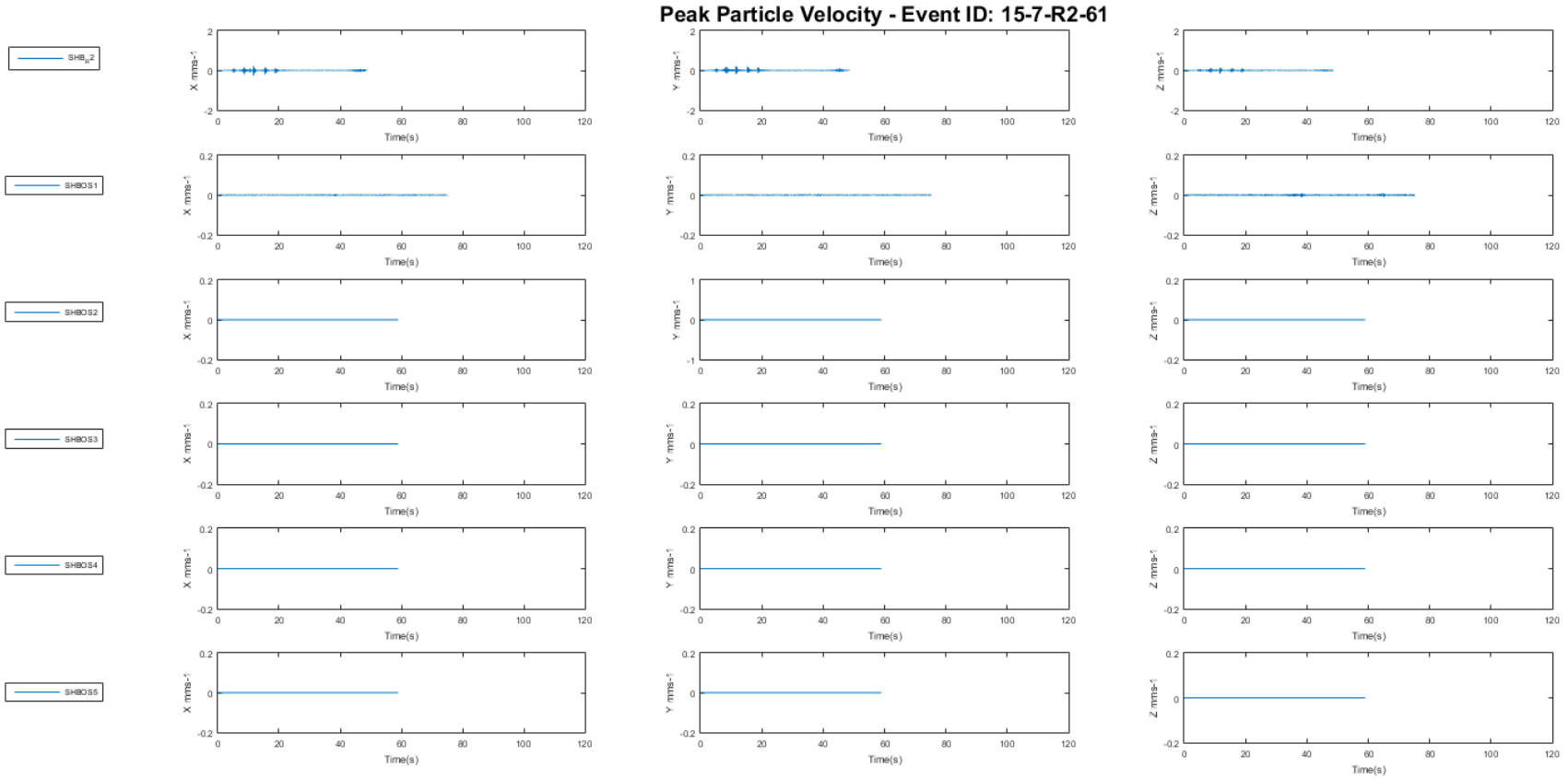
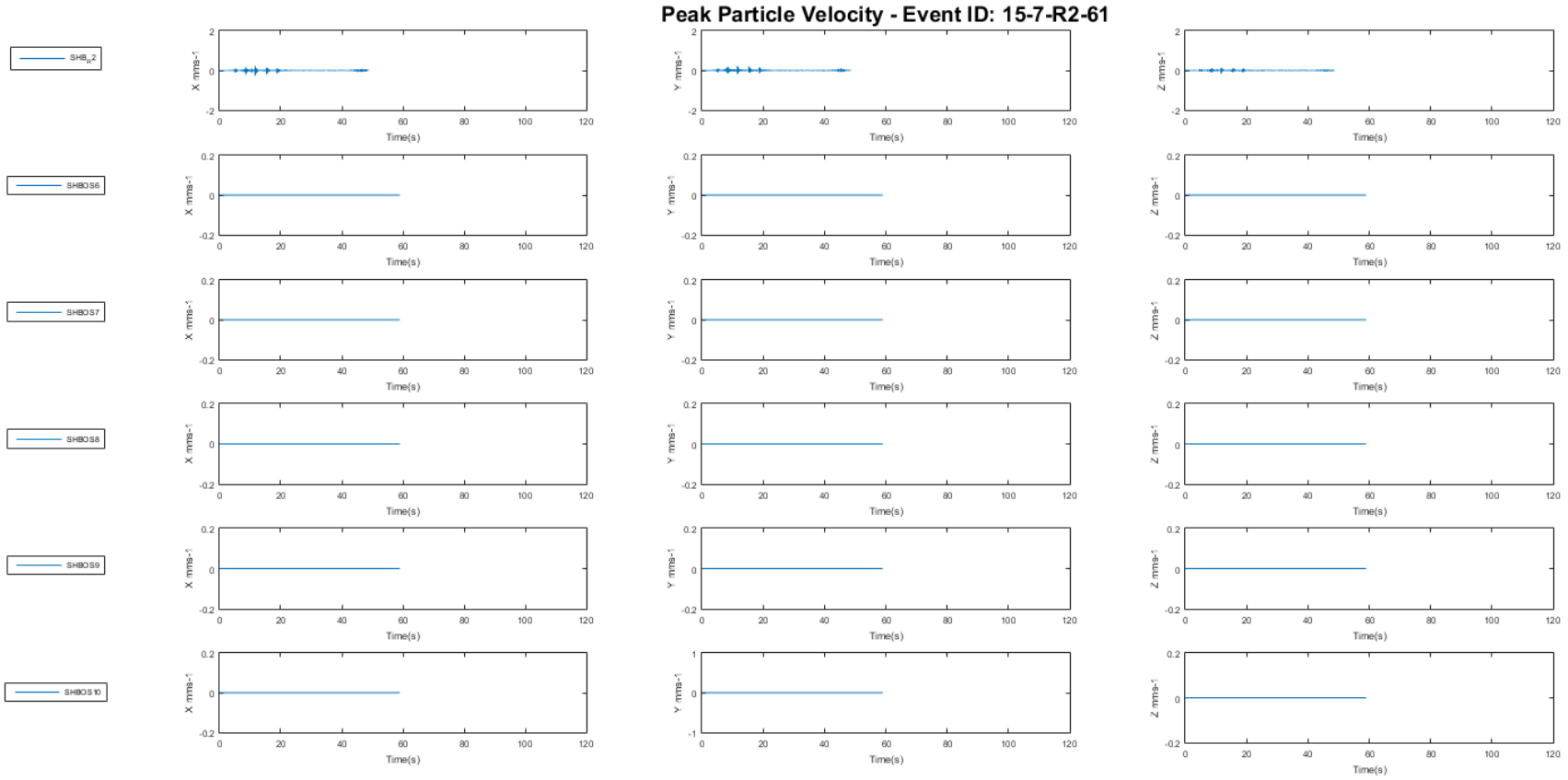


FIGURE 3.976: SHB_OS 1 - 5 15-7-R2-61

FIGURE 3.977: SHB_OS 6 - 10 15-7-R2-61



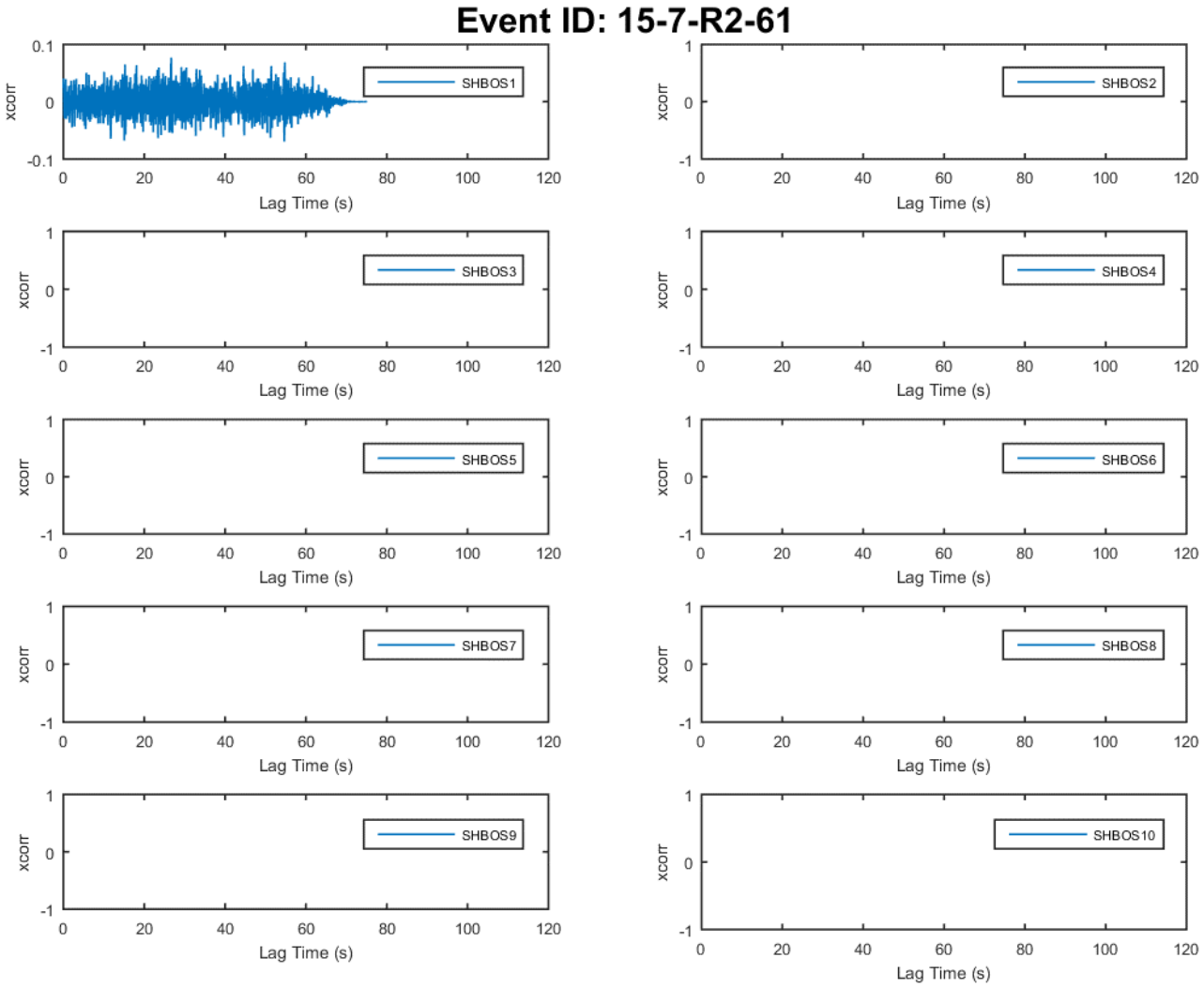


FIGURE 3.978: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-61

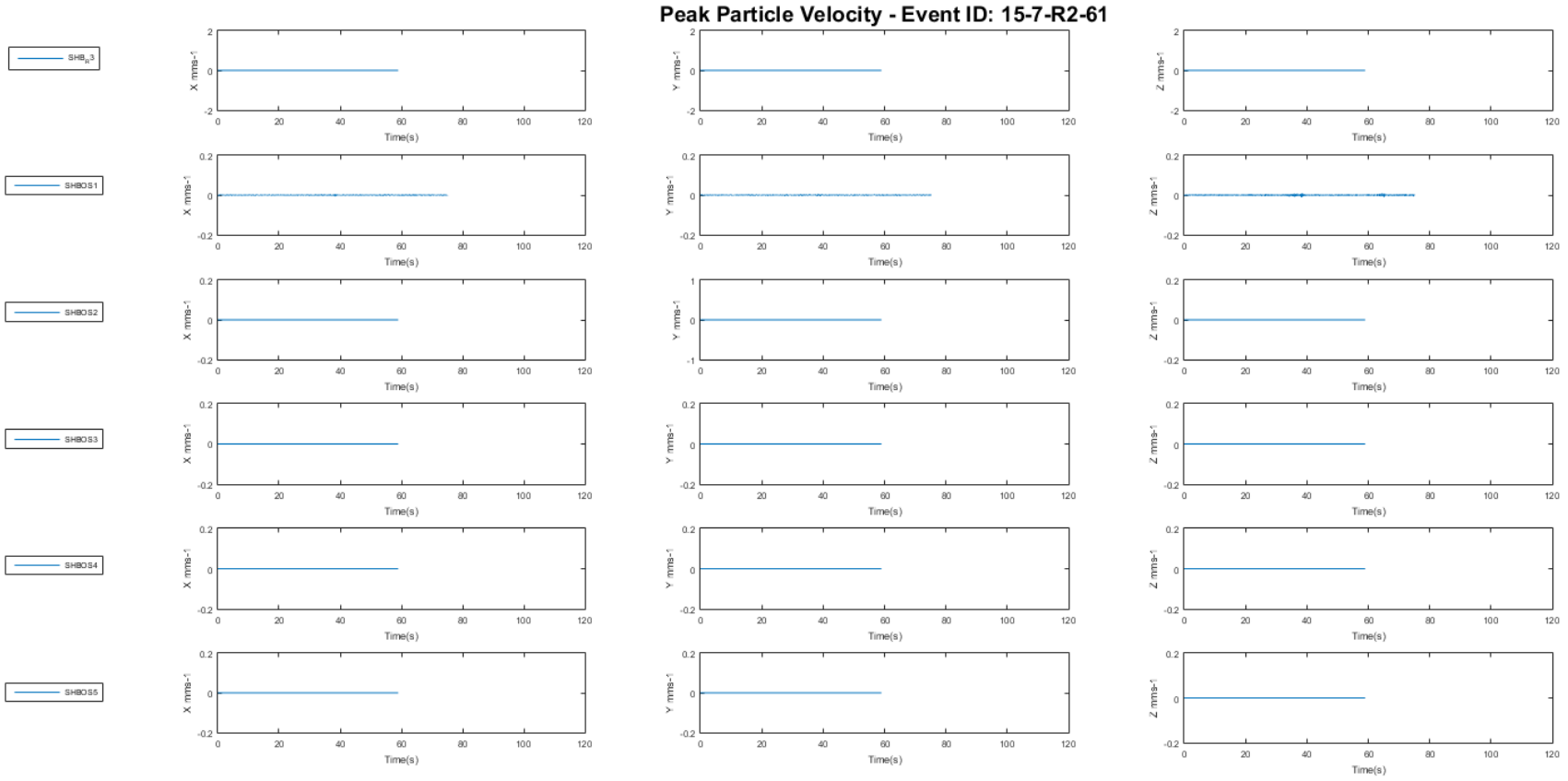
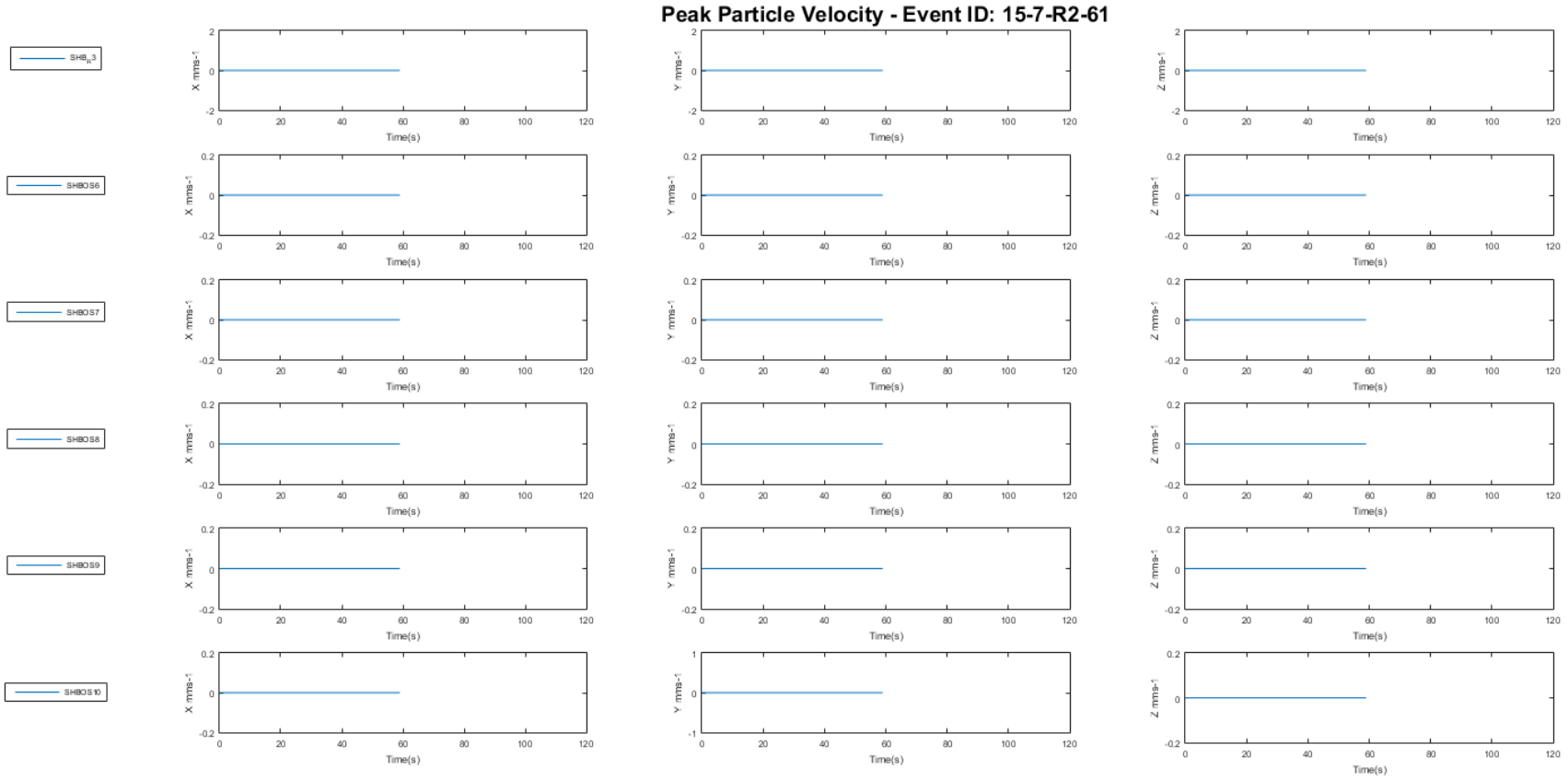


FIGURE 3.979: SHB_OS 1 - 5 15-7-R2-61

FIGURE 3.980: SHB_OS 6 - 10 15-7-R2-61



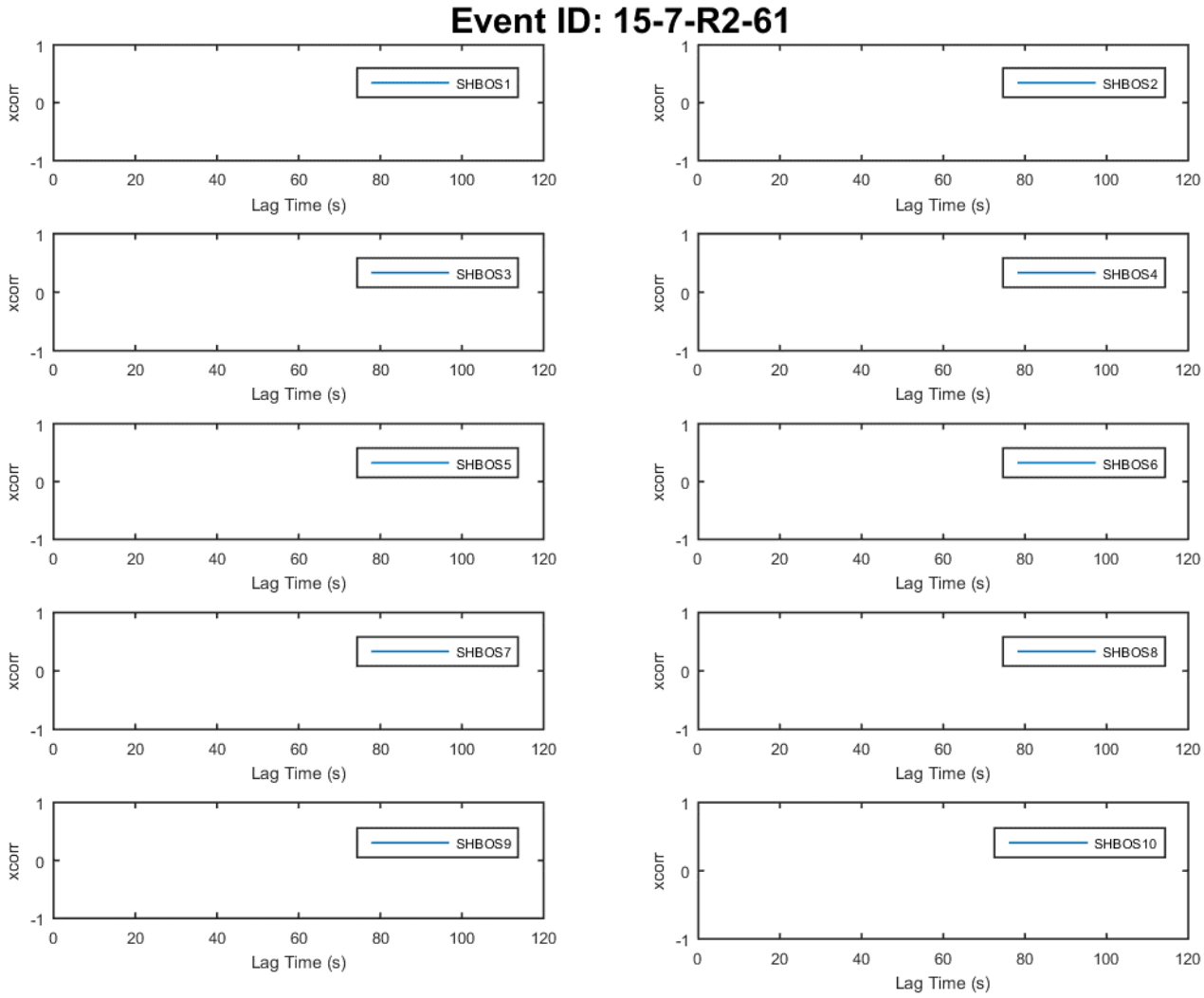


FIGURE 3.981: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-61

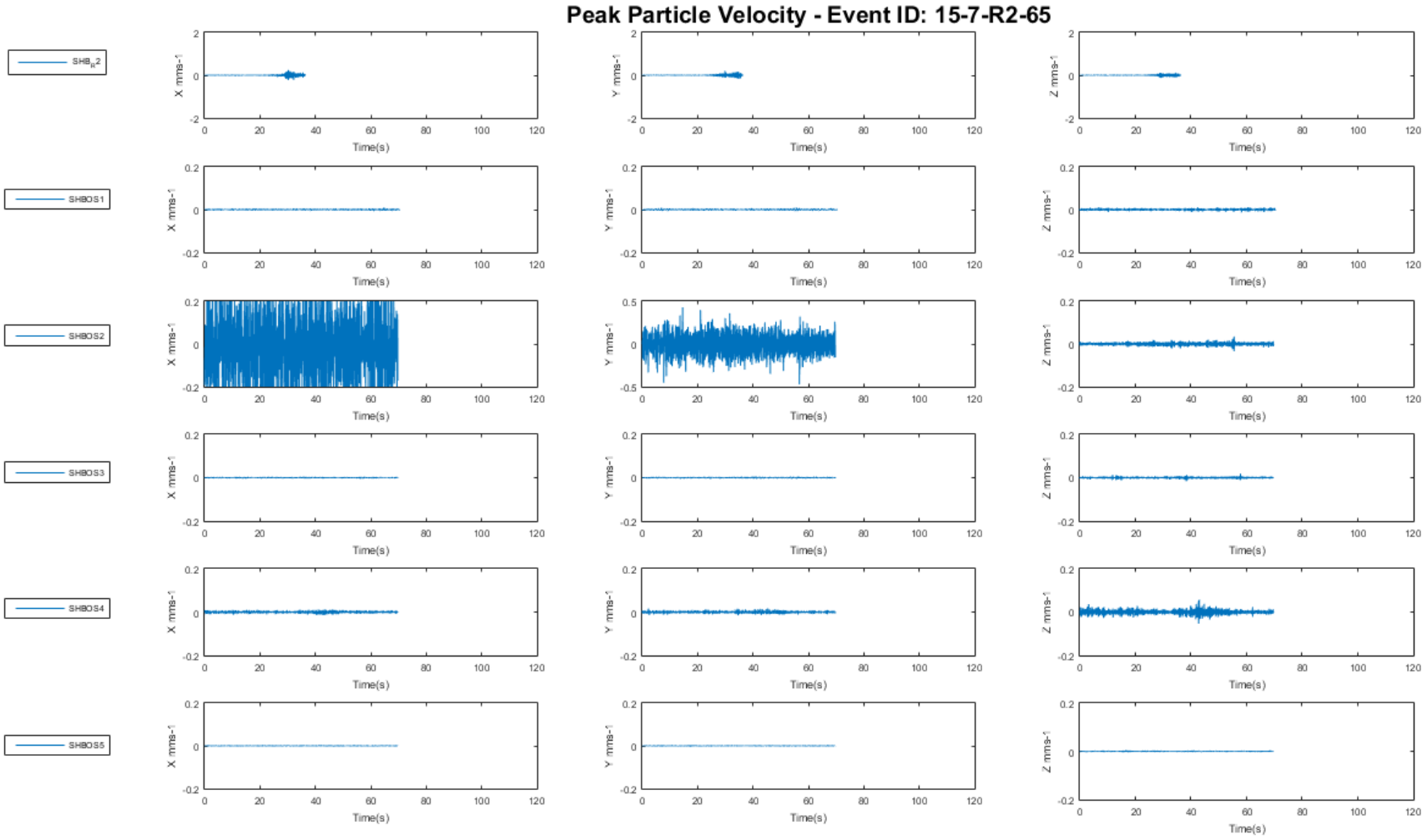


FIGURE 3.982: SHB_OS 1 - 5 15-7-R2-65

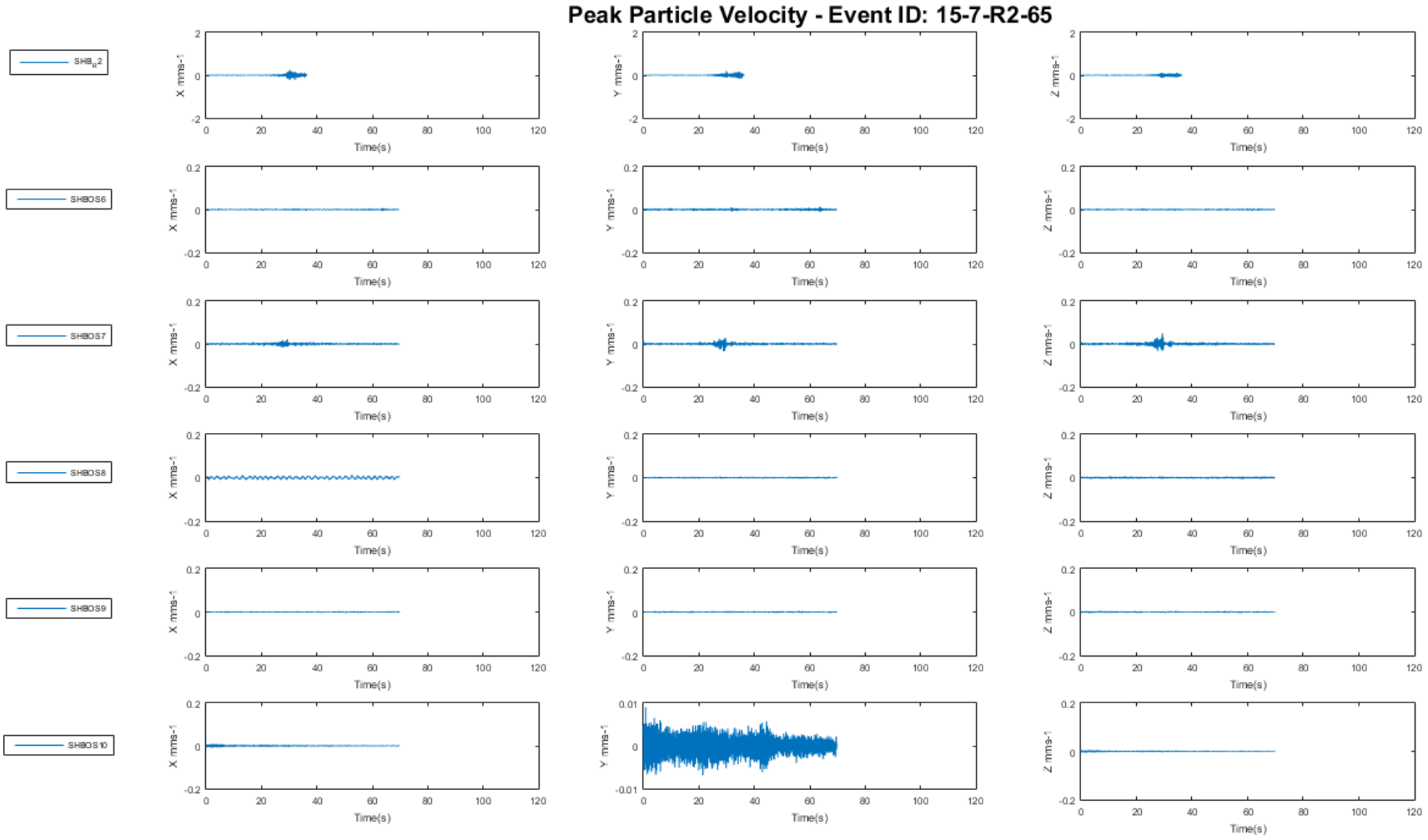


FIGURE 3.983: SHB_OS 6 - 10 15-7-R2-65

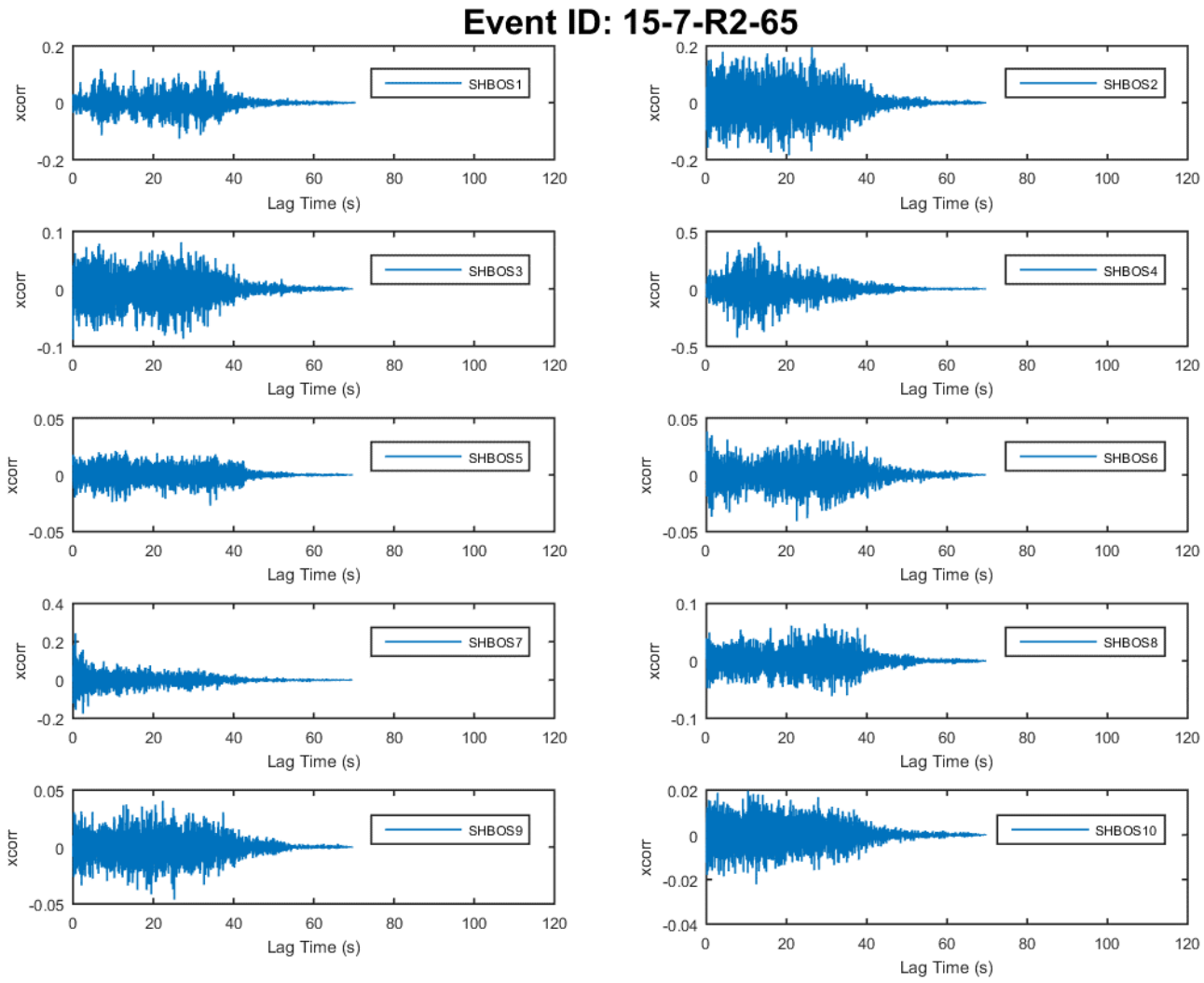


FIGURE 3.984: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-65

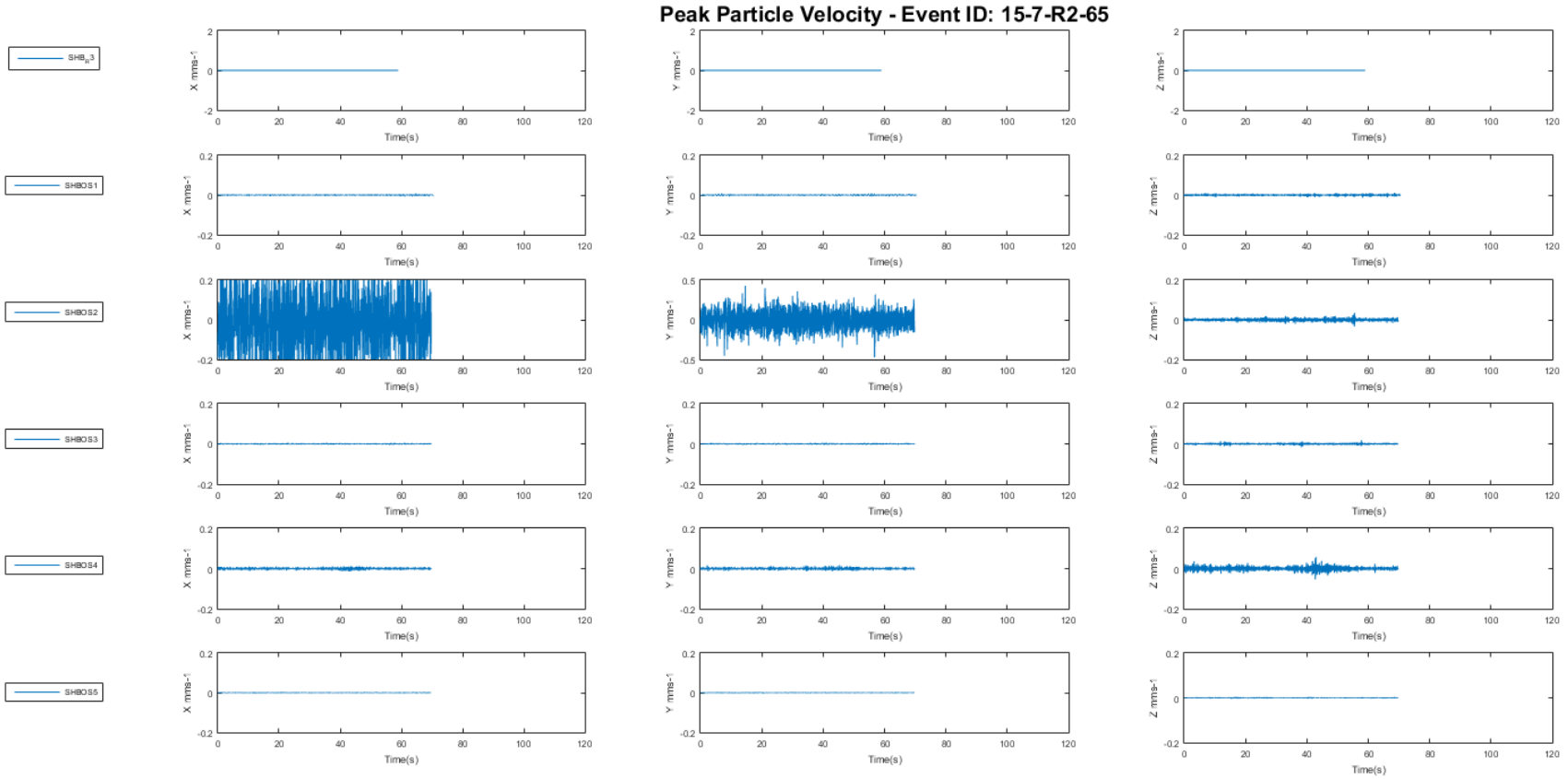
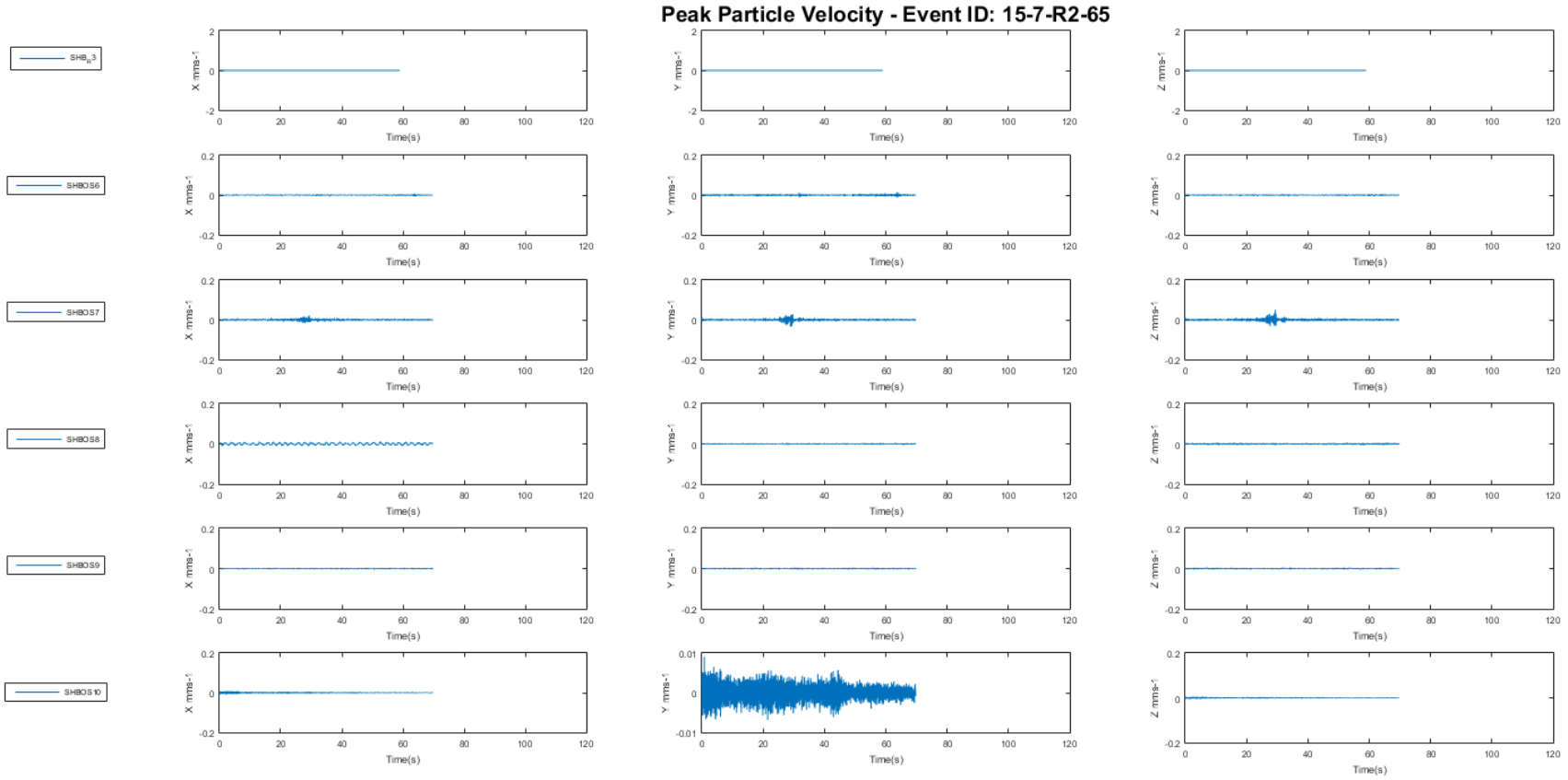


FIGURE 3.985: SHB_OS 1 - 5 15-7-R2-65

FIGURE 3.986: SHB_OS 6 - 10 15-7-R2-65



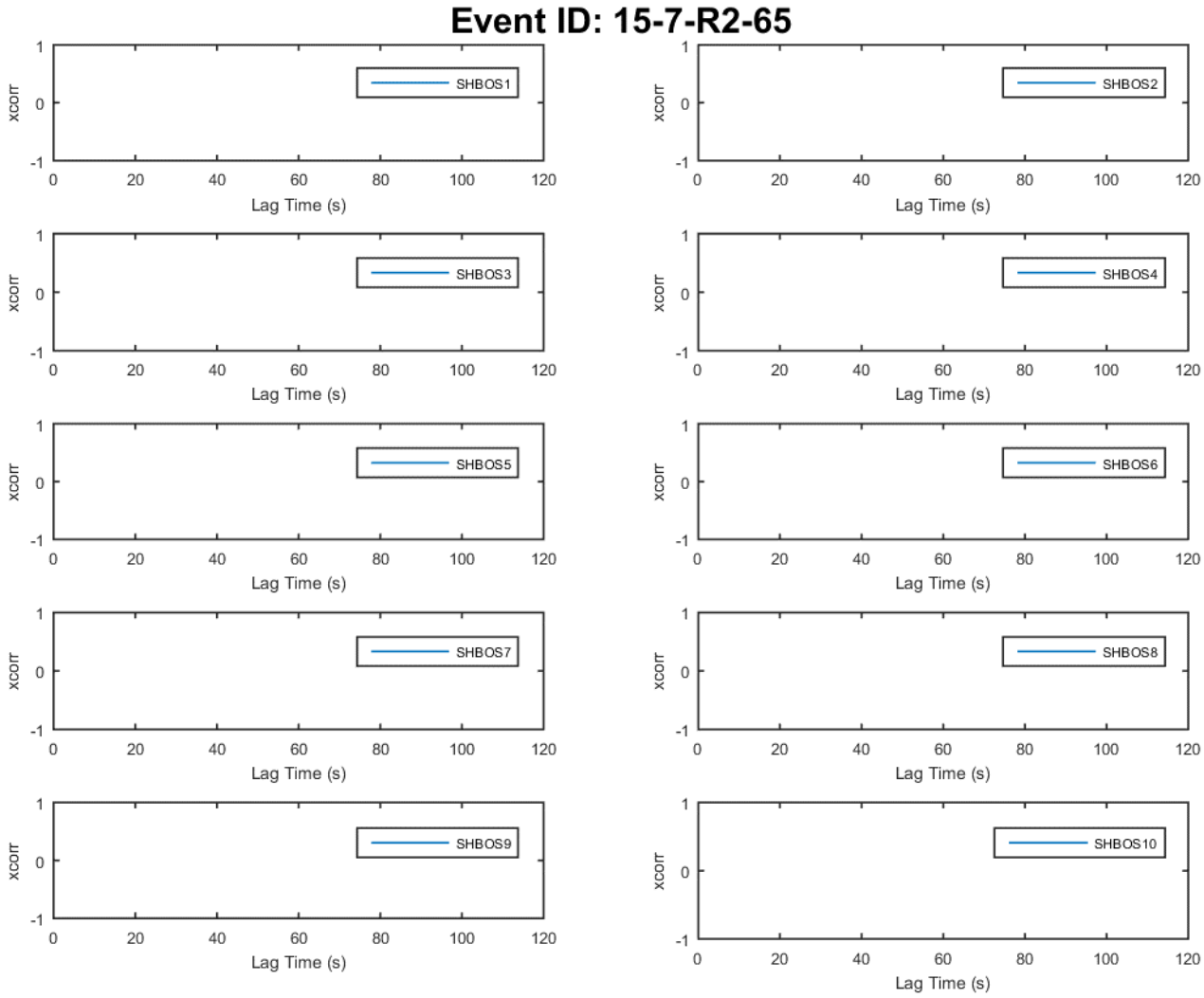


FIGURE 3.987: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-65

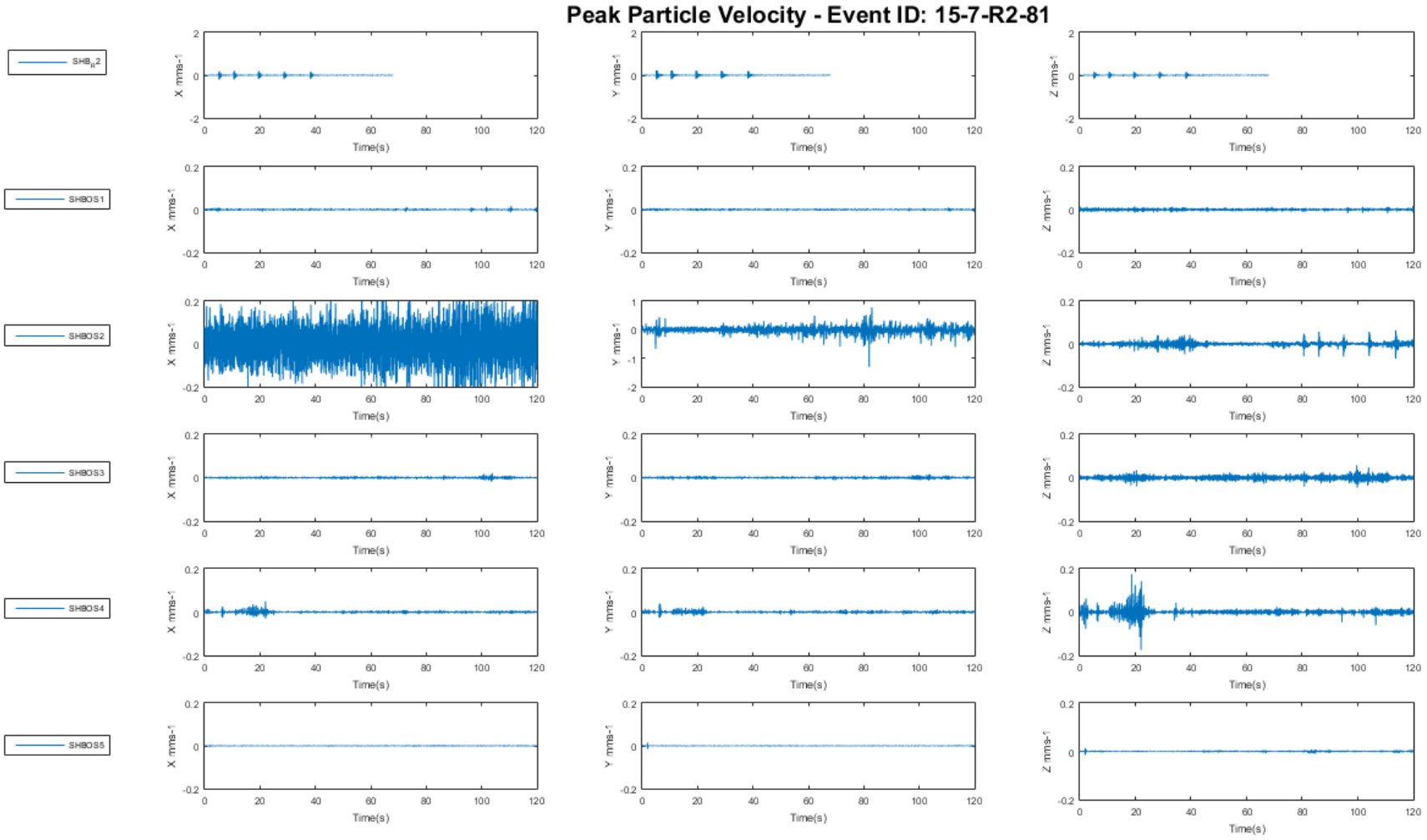


FIGURE 3.988: SHB_OS 1 - 5 15-7-R2-81

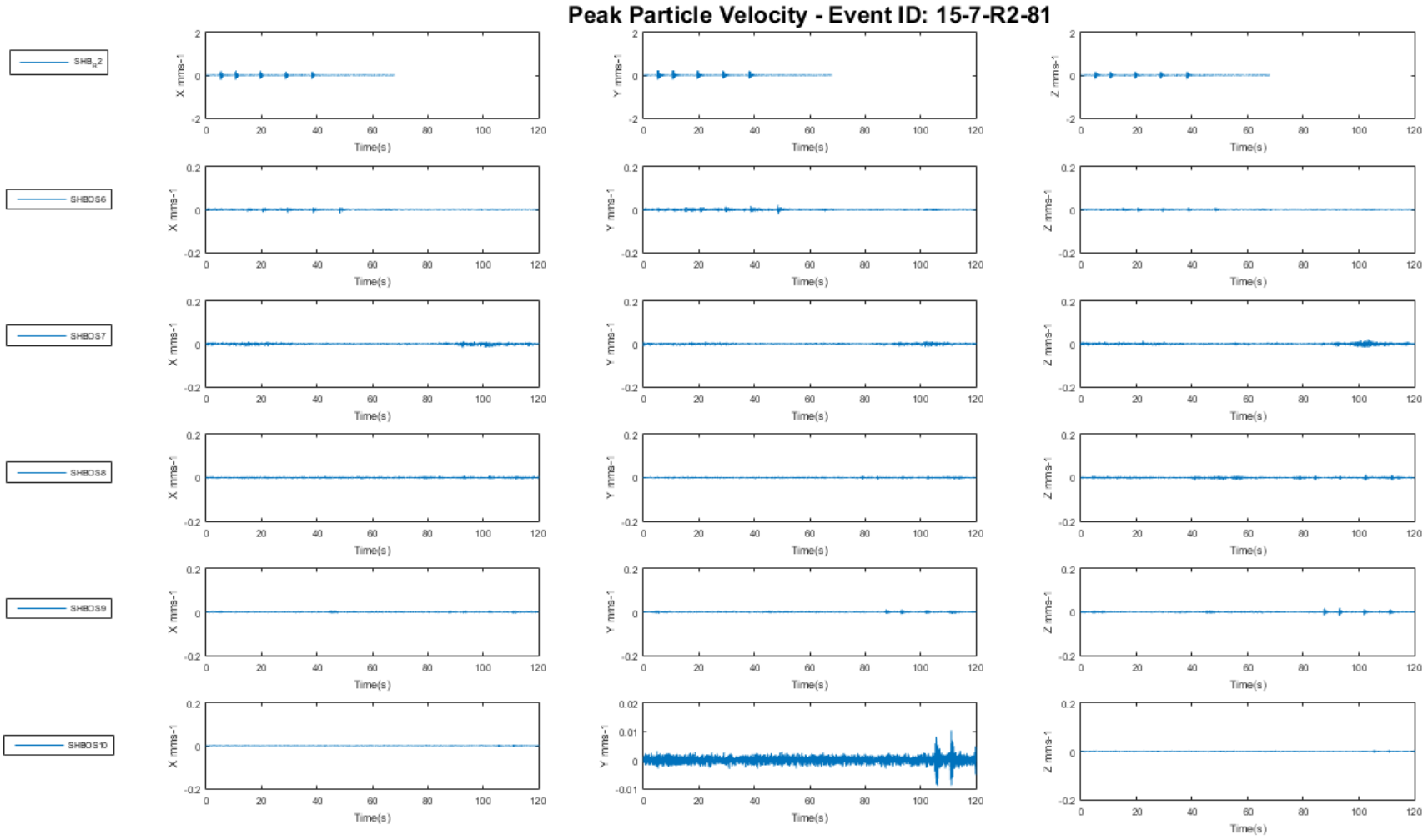


FIGURE 3.989: SHB_OS 6 - 10 15-7-R2-81

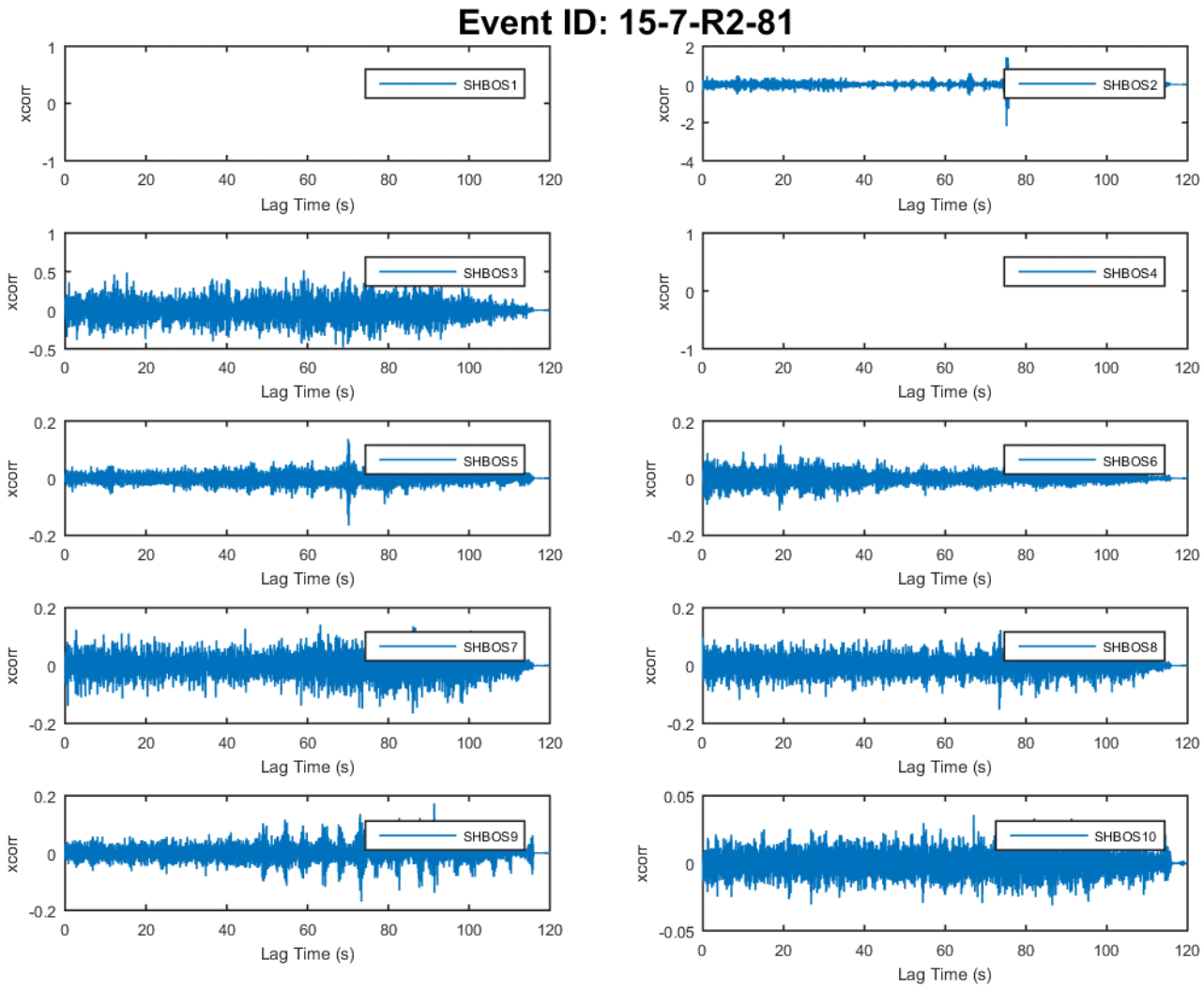


FIGURE 3.990: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-81

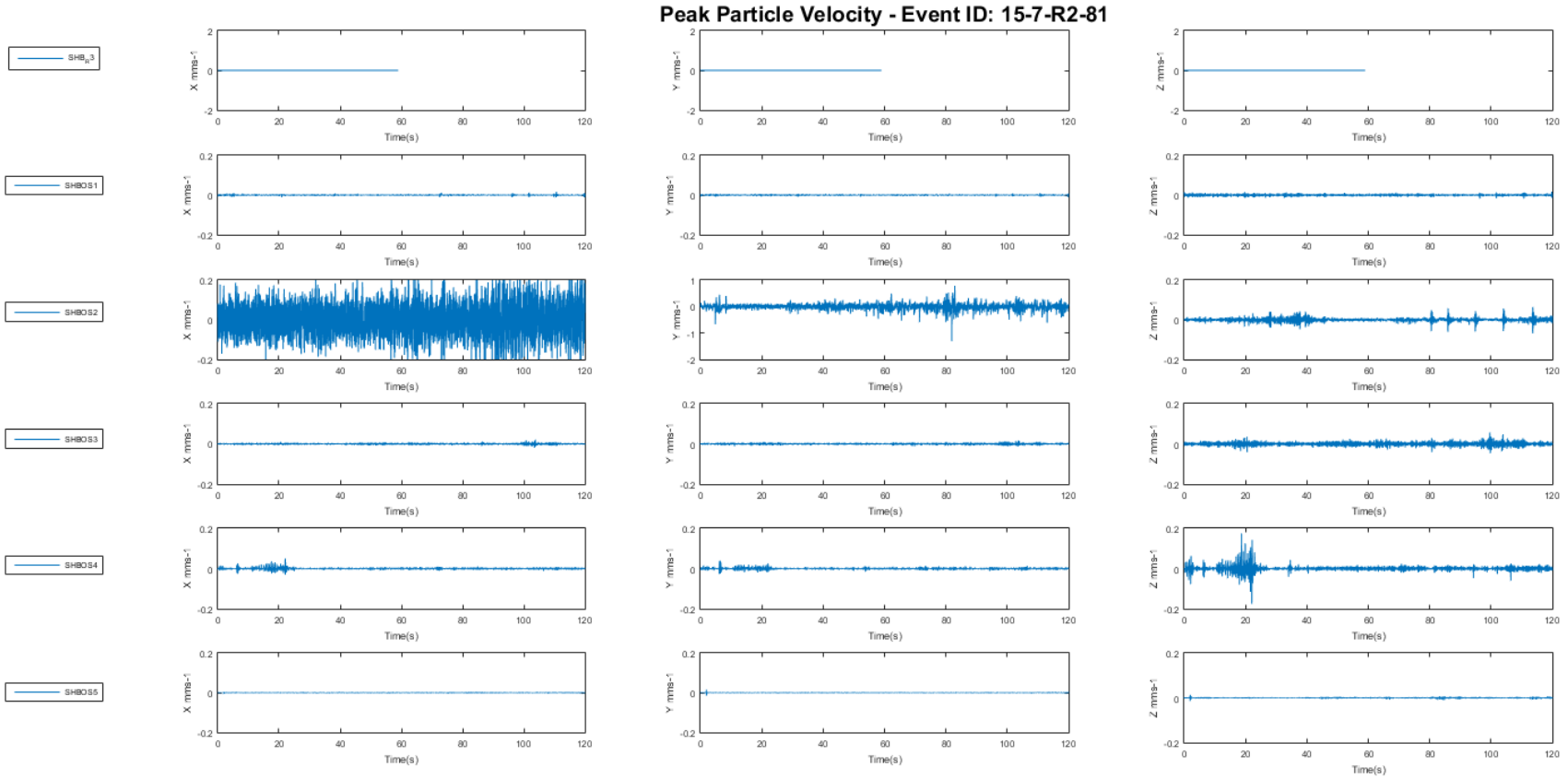
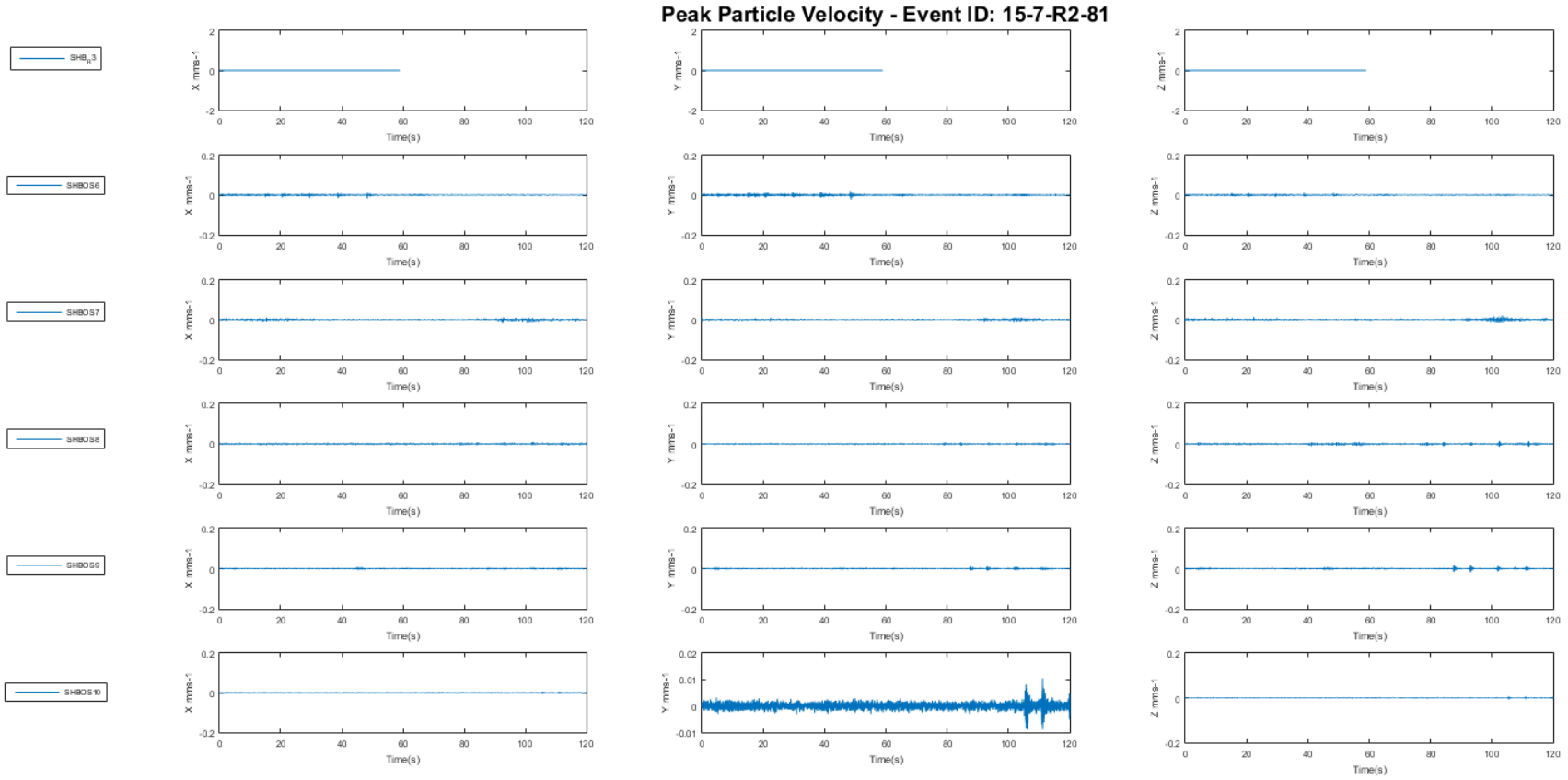


FIGURE 3.991: SHB_OS 1 - 5 15-7-R2-81

FIGURE 3.992: SHB_OS 6 - 10 15-7-R2-81



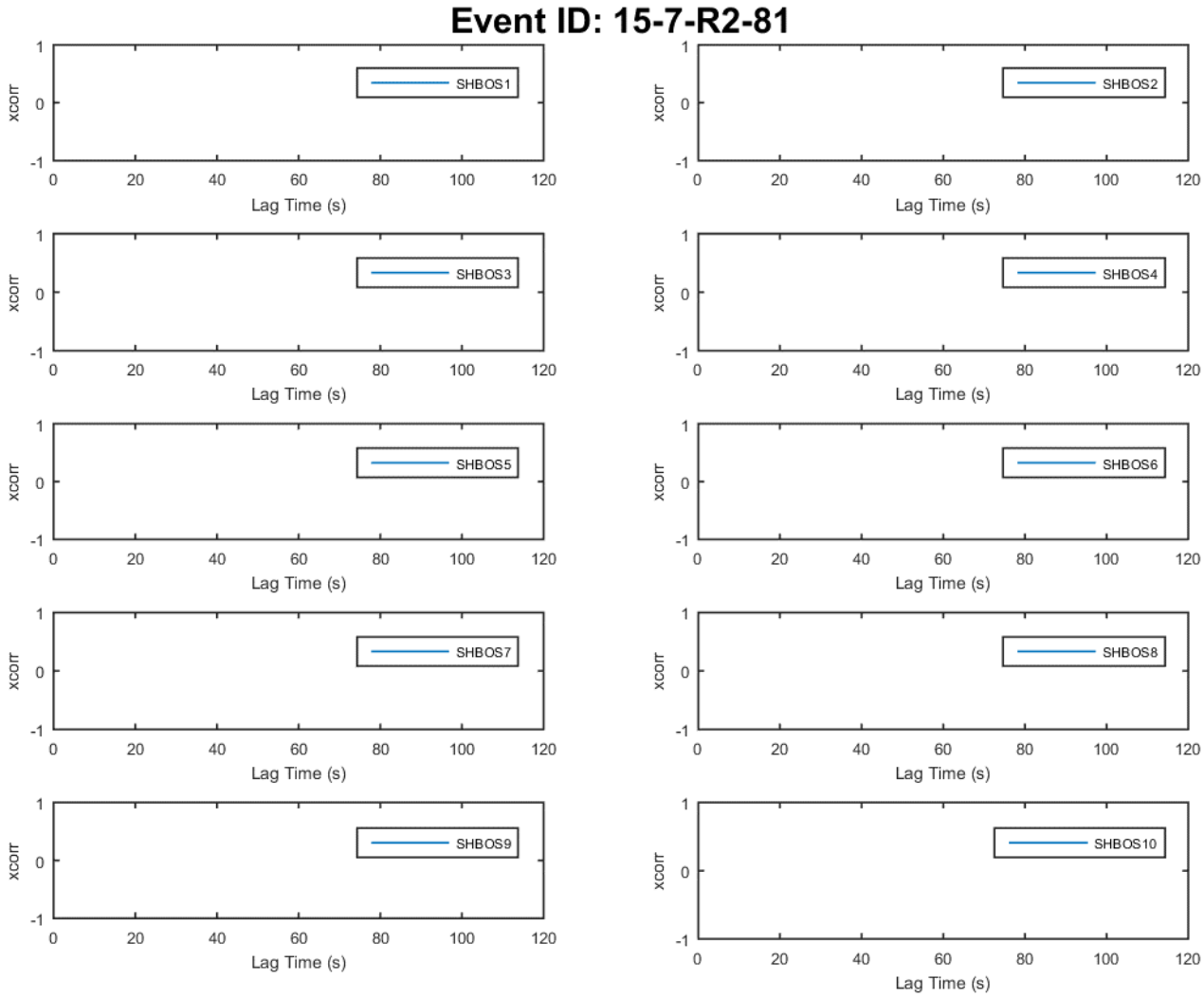


FIGURE 3.993: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-81

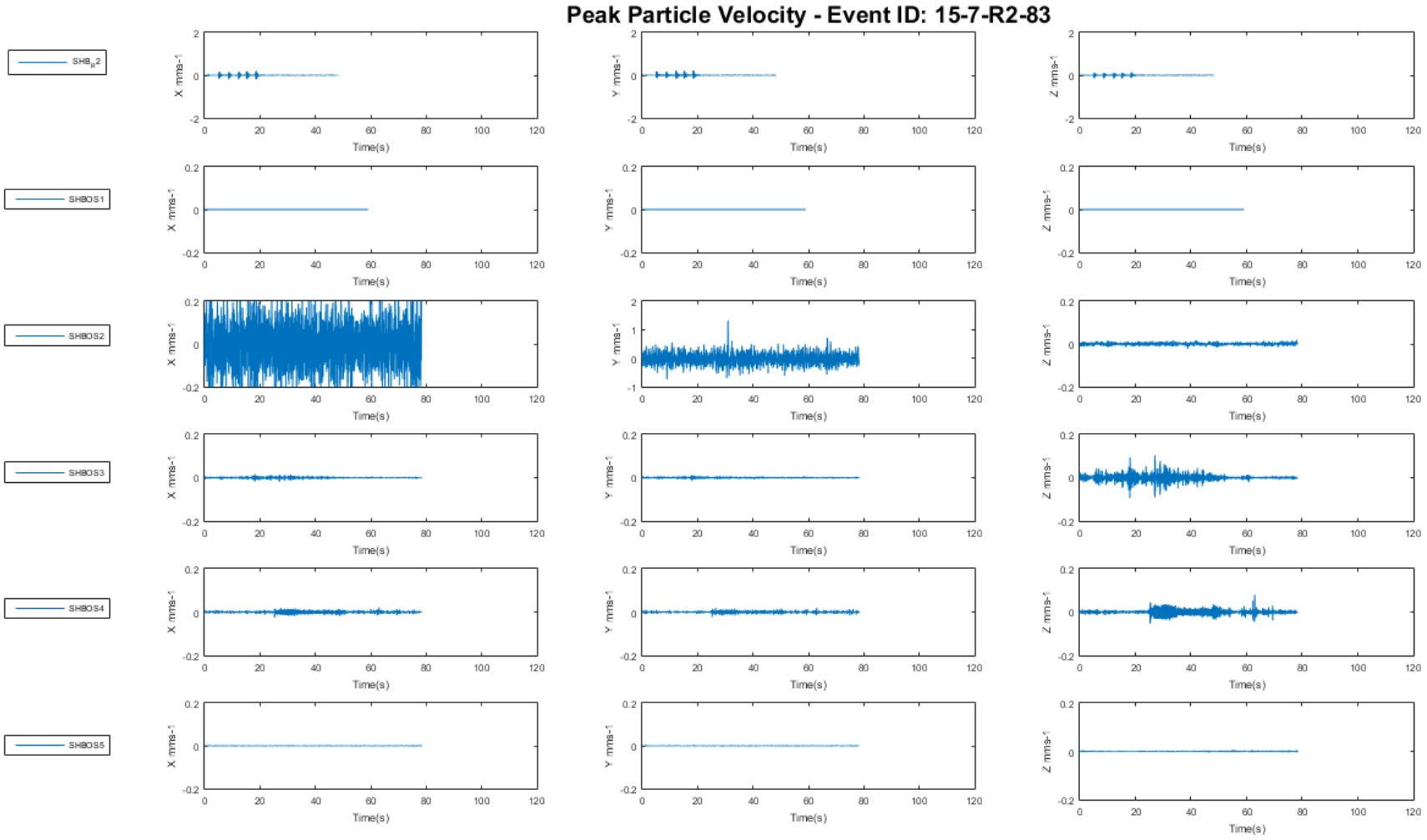


FIGURE 3.994: SHB_OS 1 - 5 15-7-R2-83

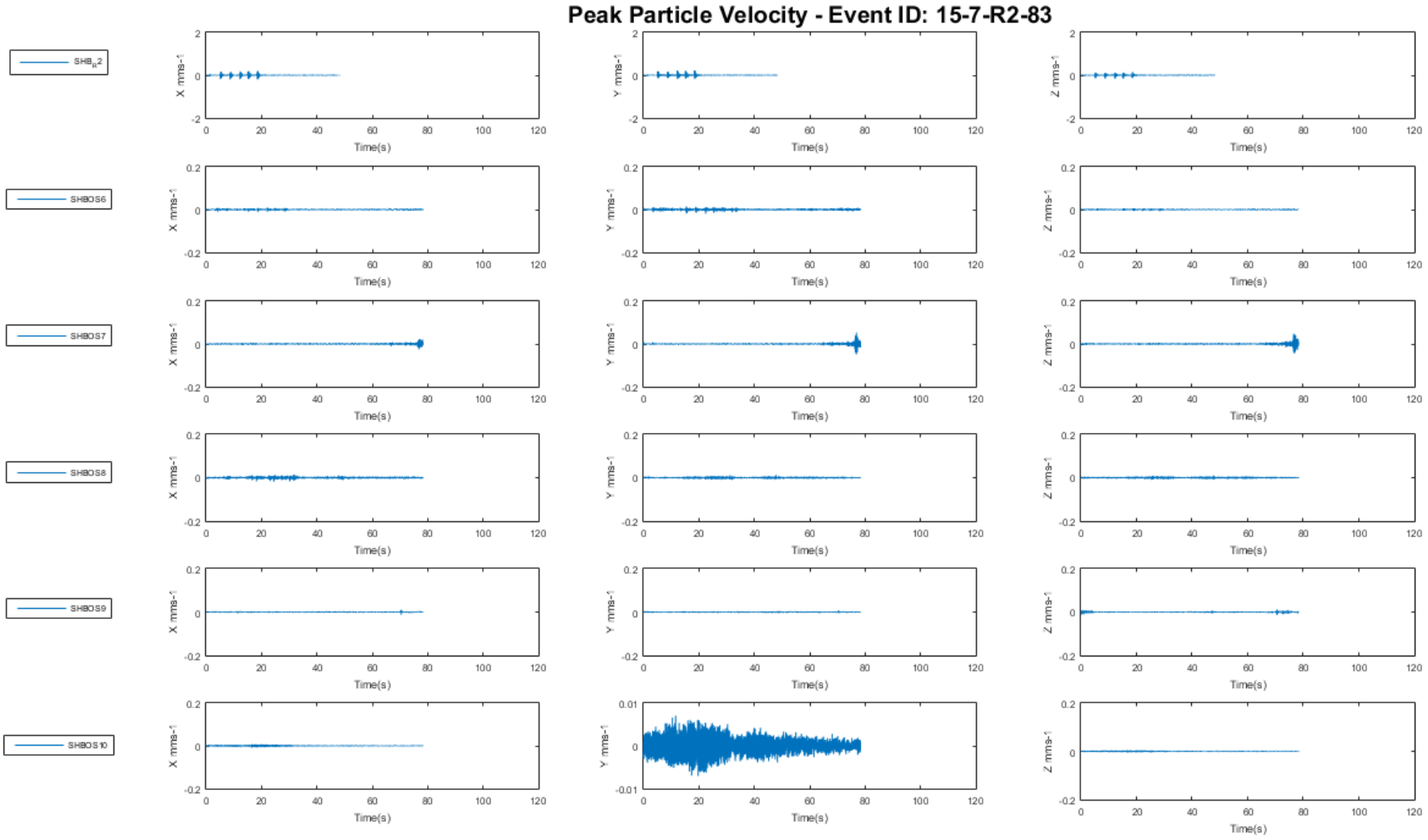


FIGURE 3.995: SHB_OS 6 - 10 15-7-R2-83

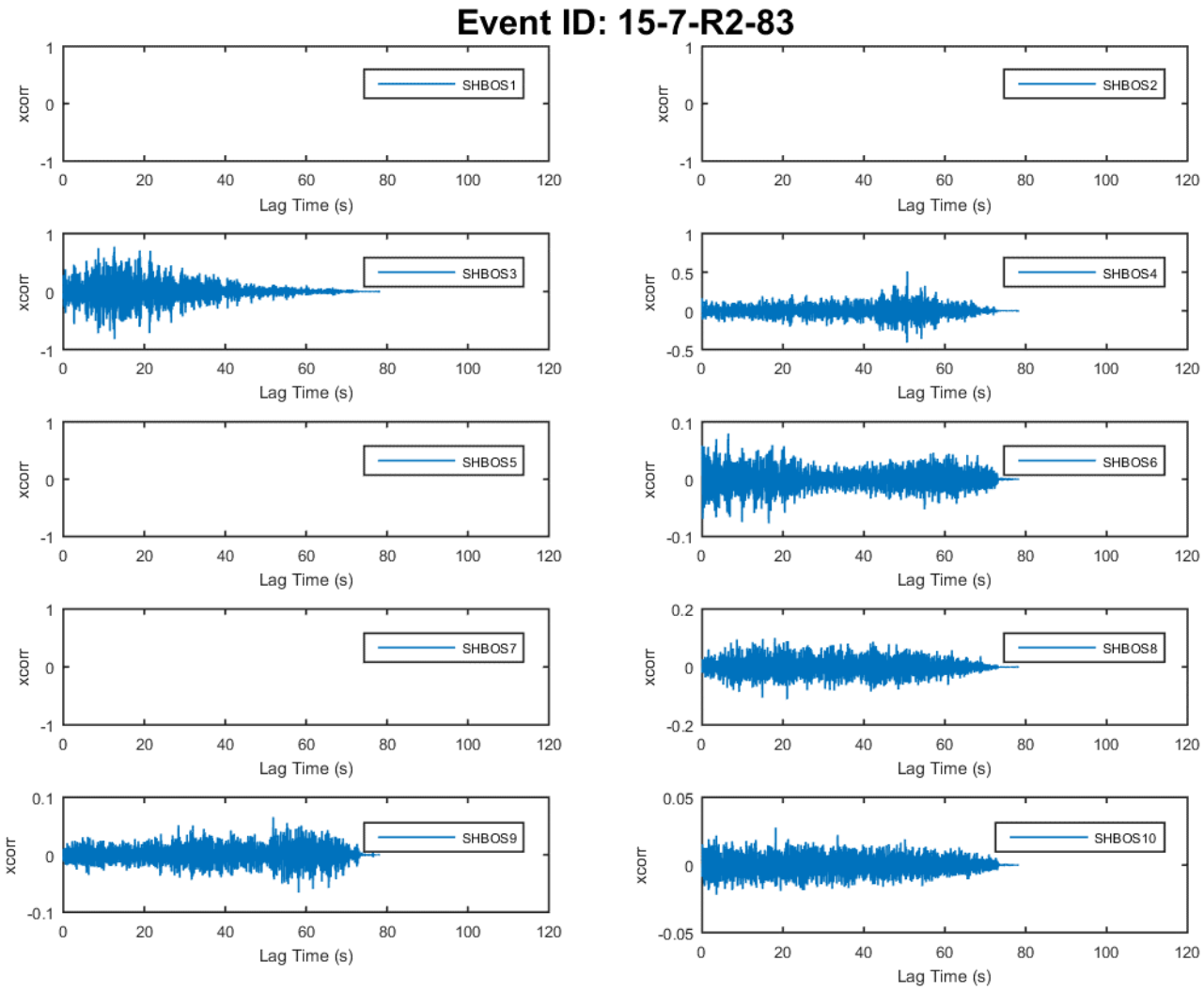


FIGURE 3.996: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-83

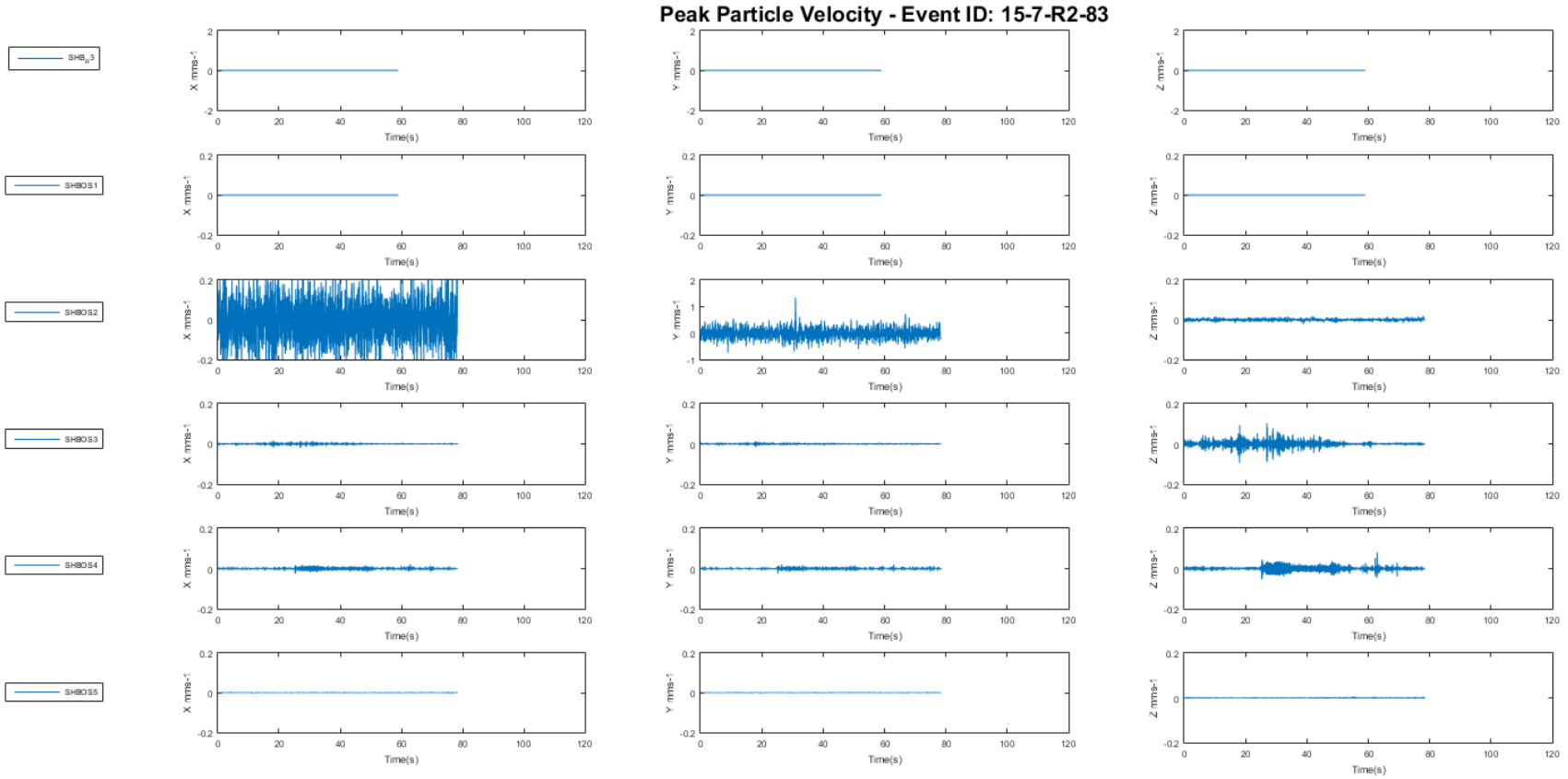
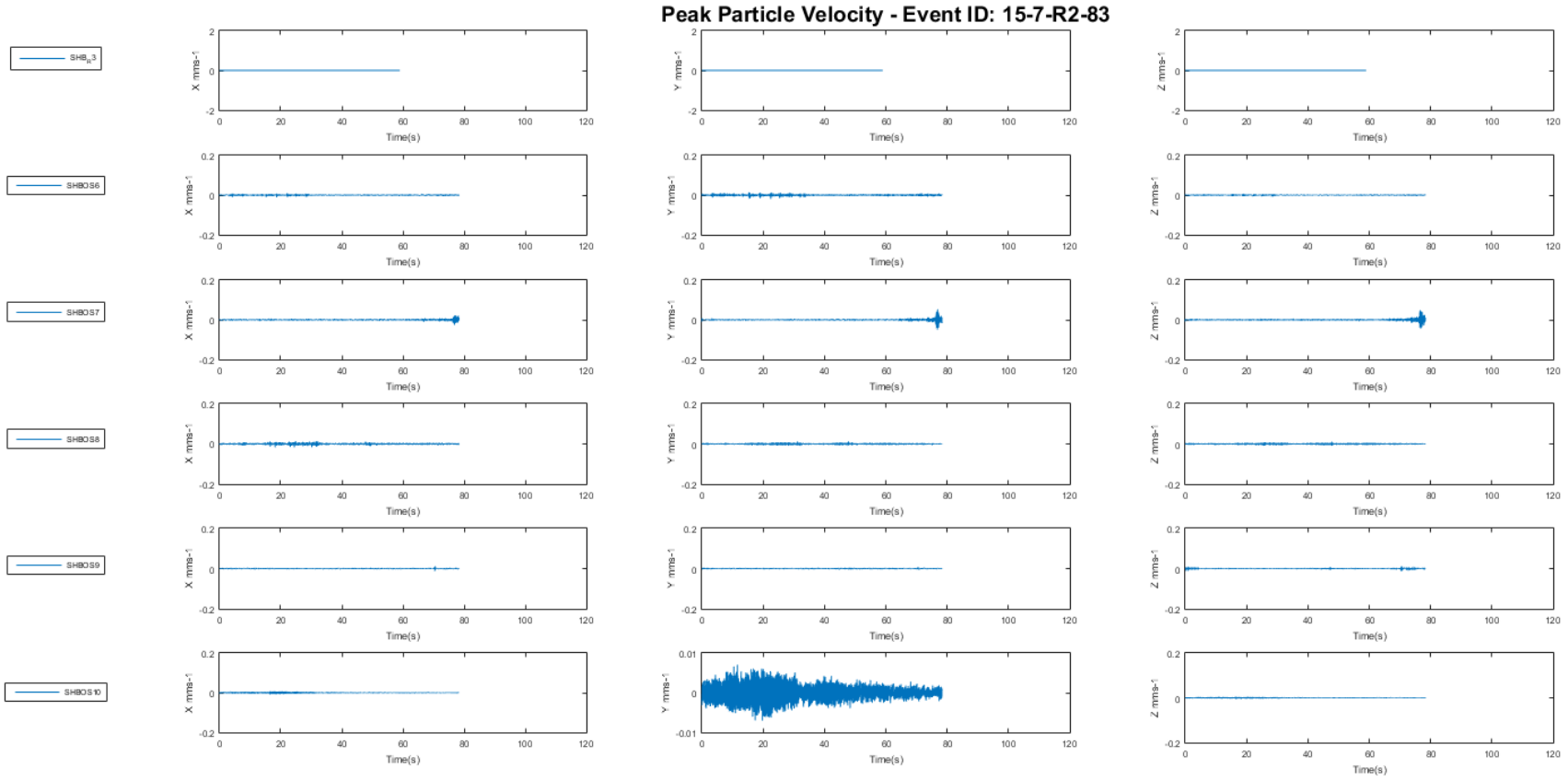


FIGURE 3.997: SHB_OS 1 - 5 15-7-R2-83

FIGURE 3.998: SHB_OS 6 - 10 15-7-R2-83



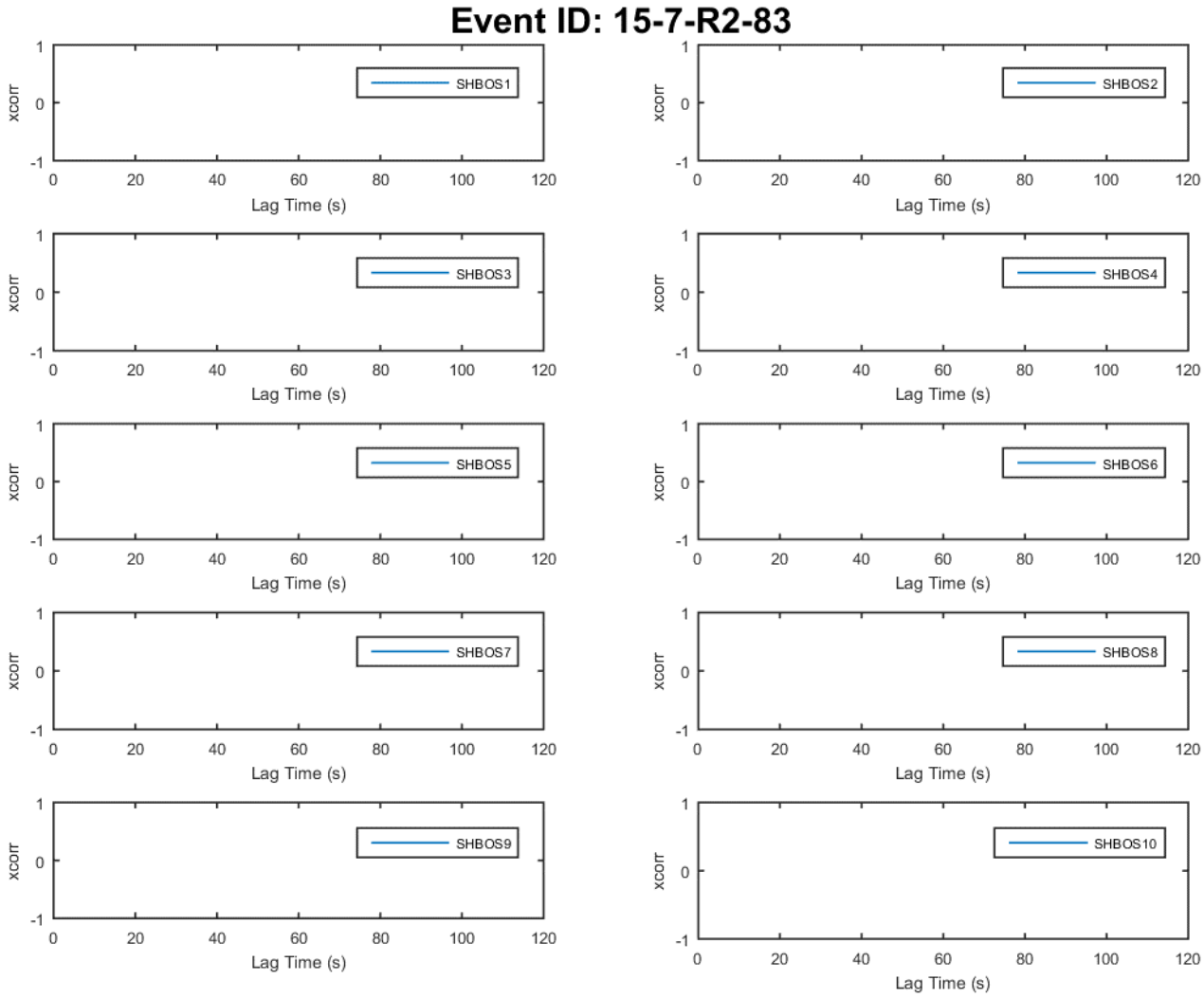


FIGURE 3.999: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-83

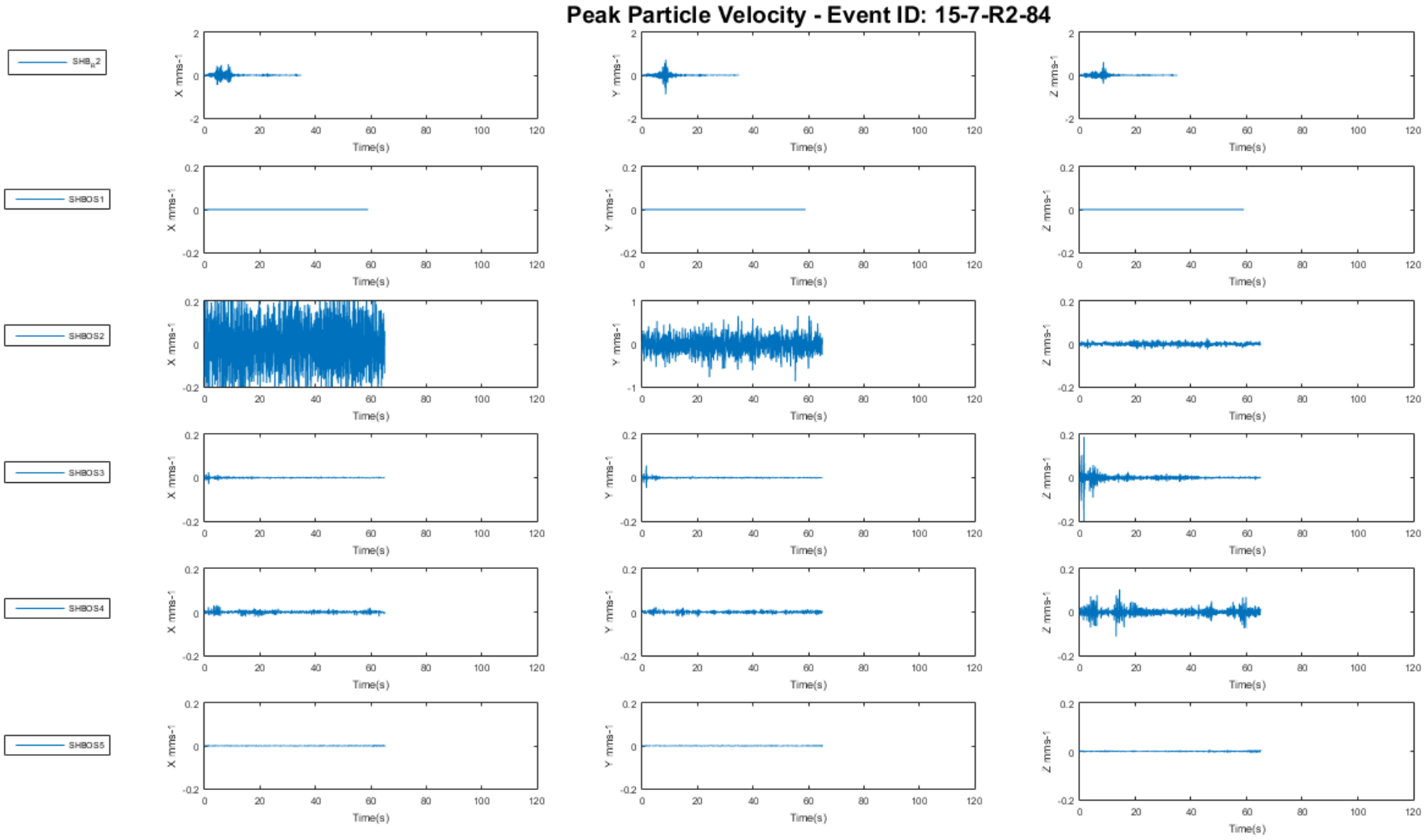


FIGURE 3.1000: SHB_OS 1 - 5 15-7-R2-84

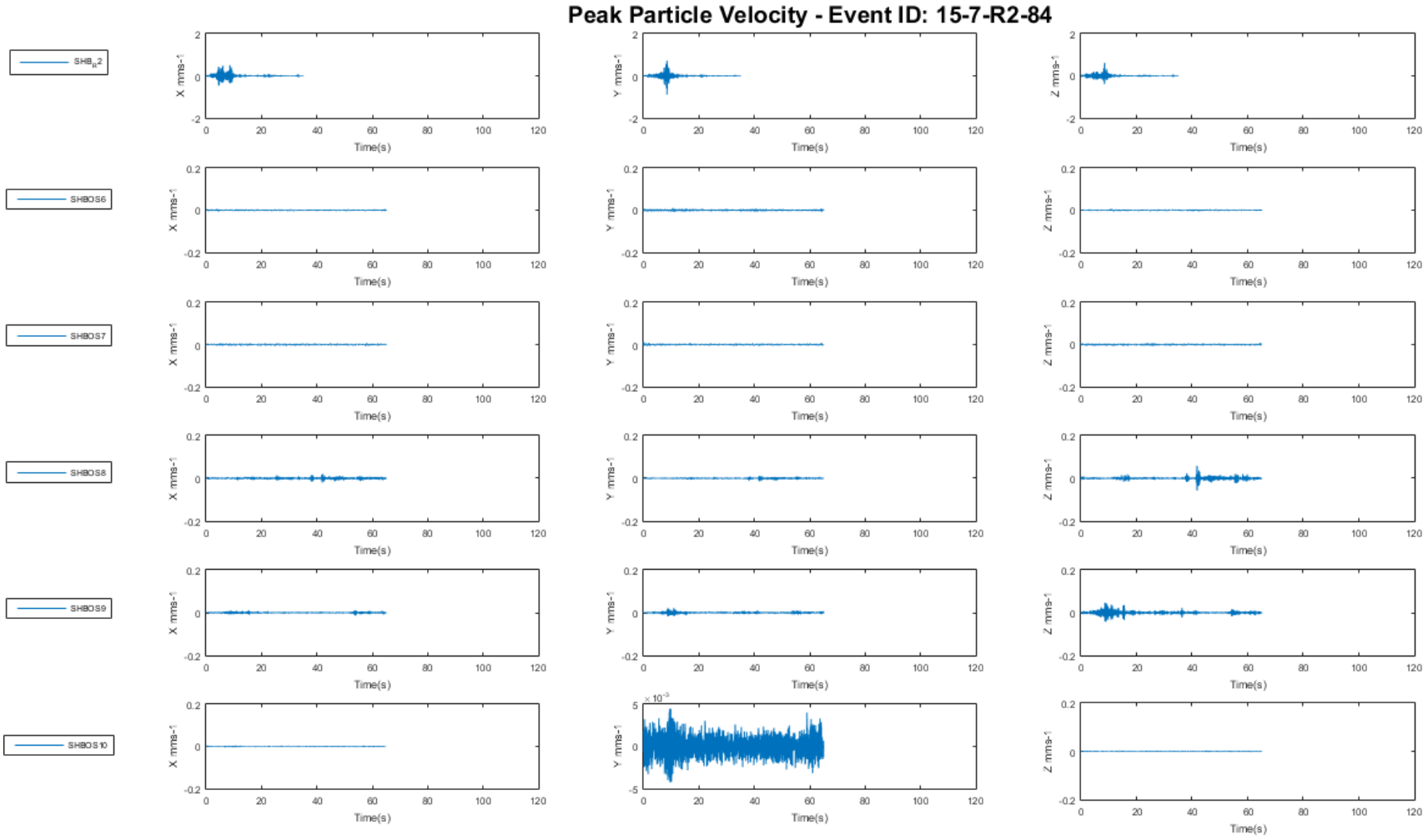


FIGURE 3.1001: SHB_OS 6 - 10 15-7-R2-84

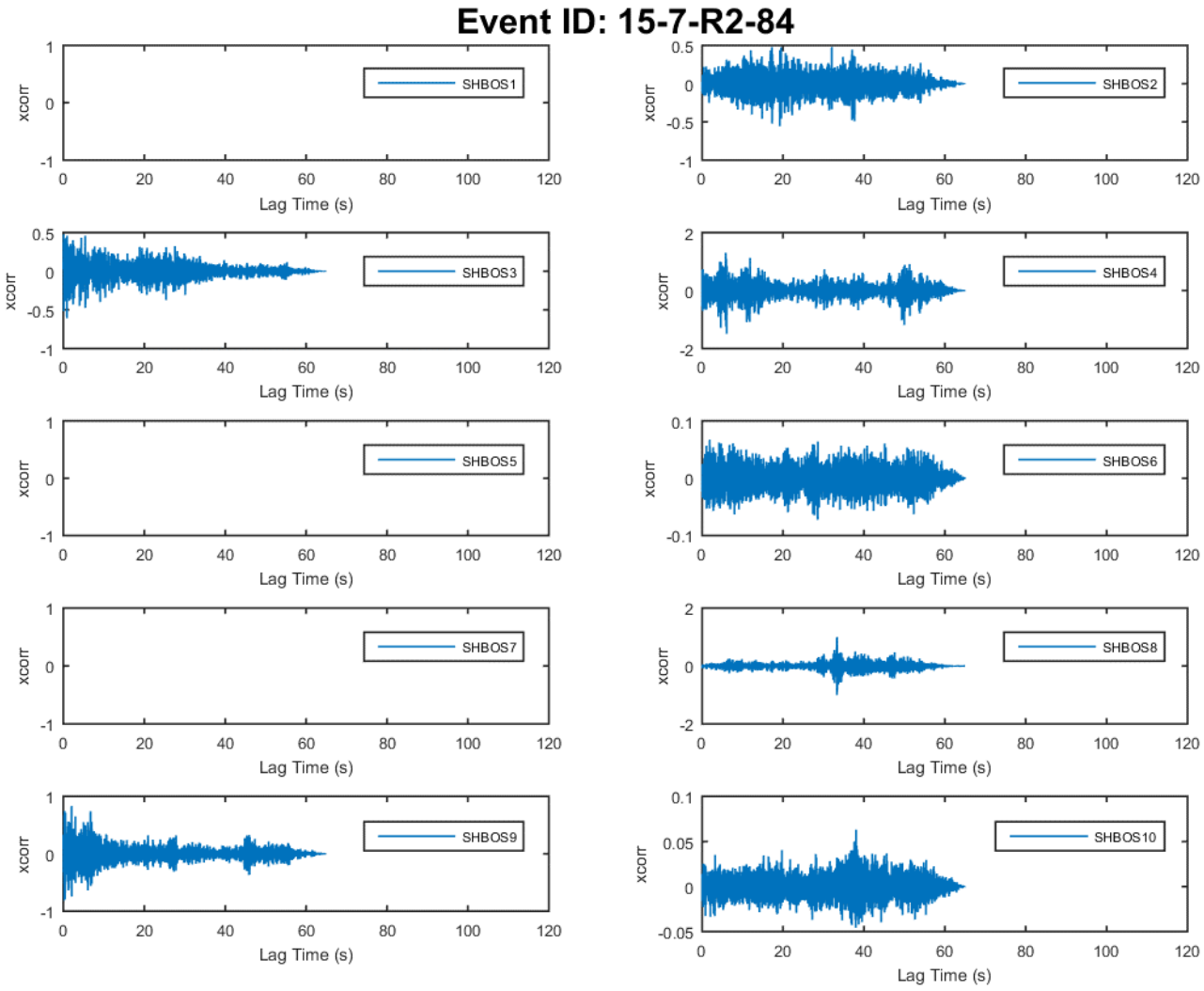


FIGURE 3.1002: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-84

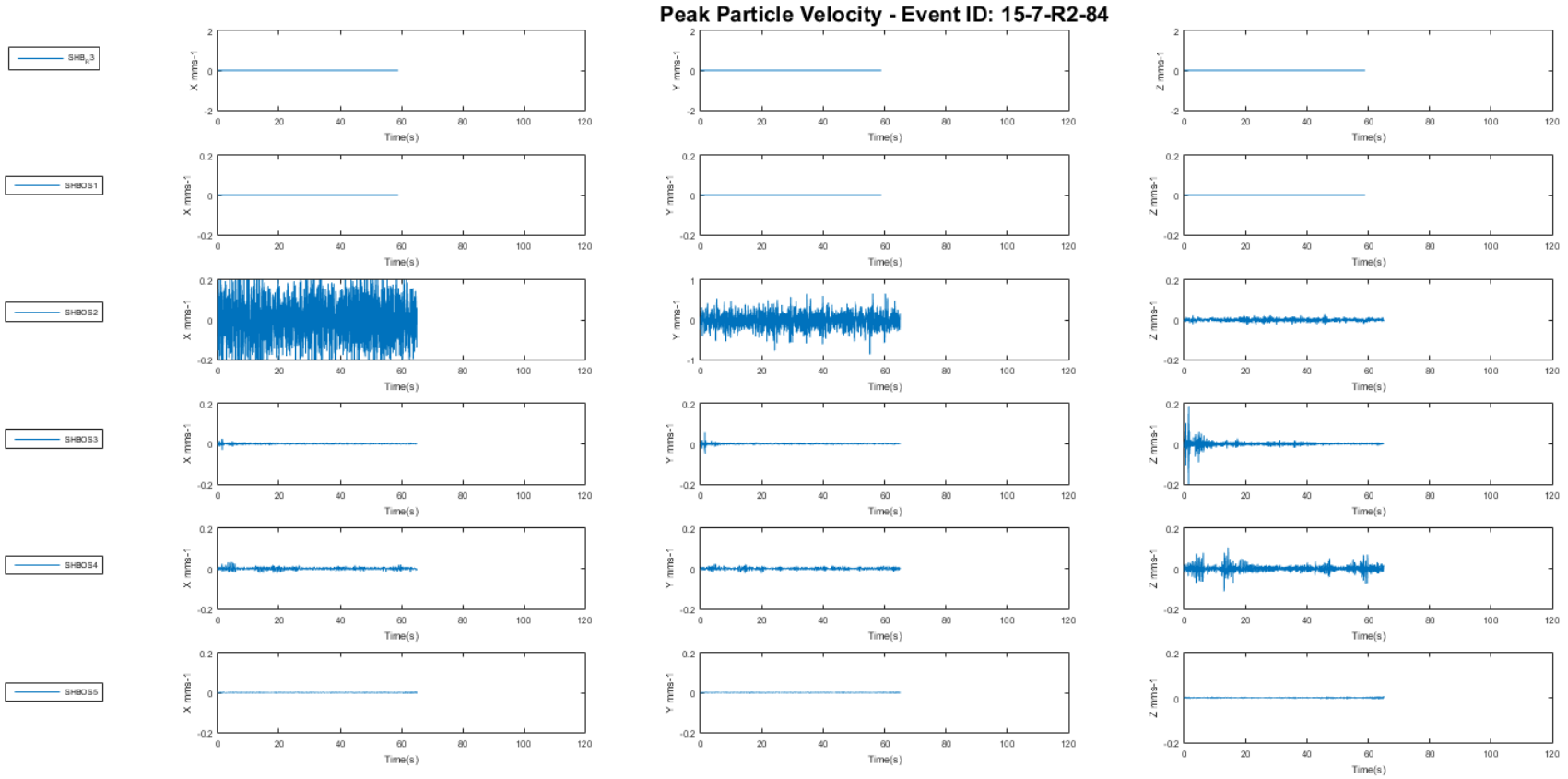
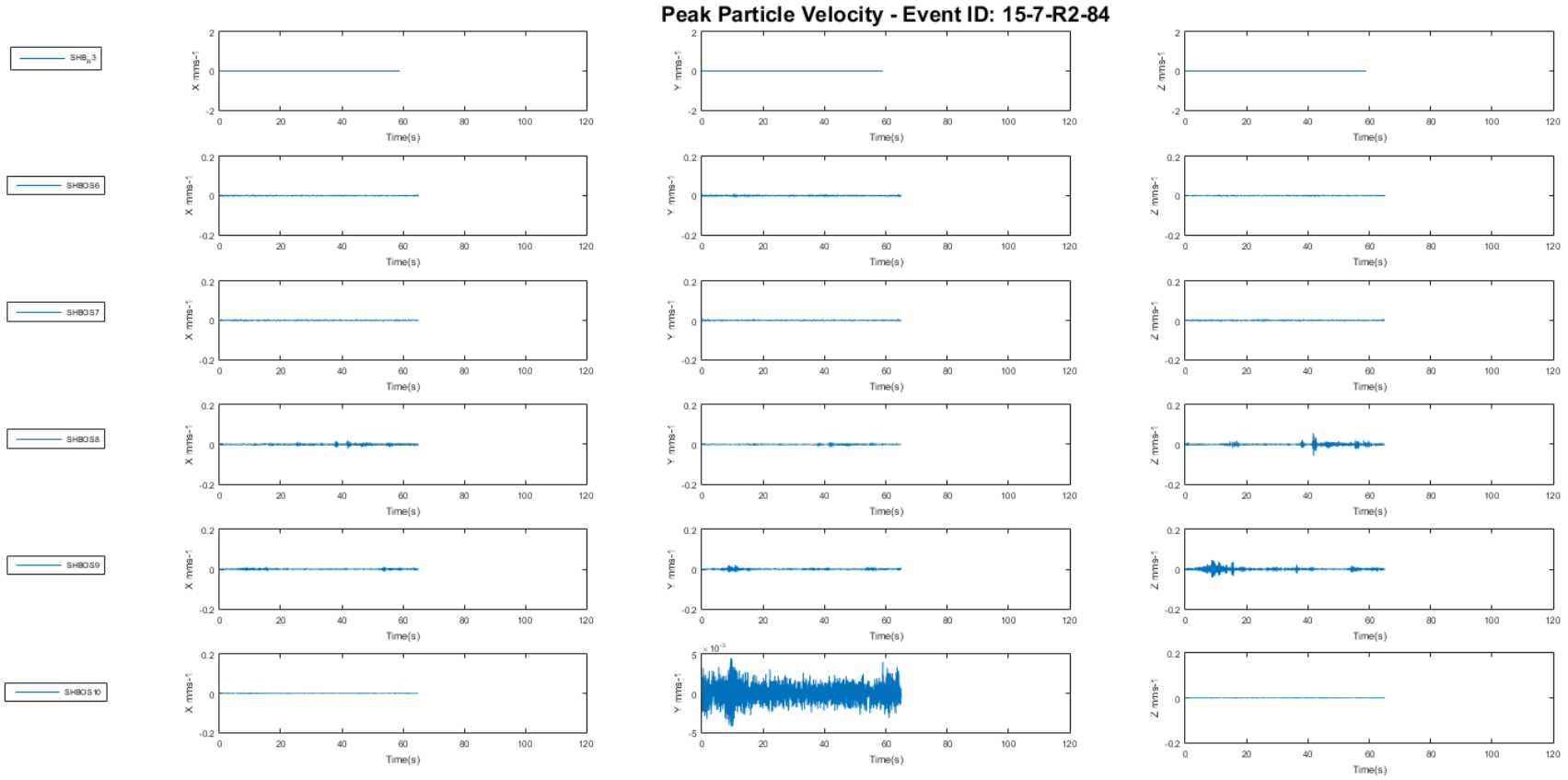


FIGURE 3.1003: SHB_OS 1 - 5 15-7-R2-84

FIGURE 3.1004: SHB_OS 6 - 10 15-7-R2-84



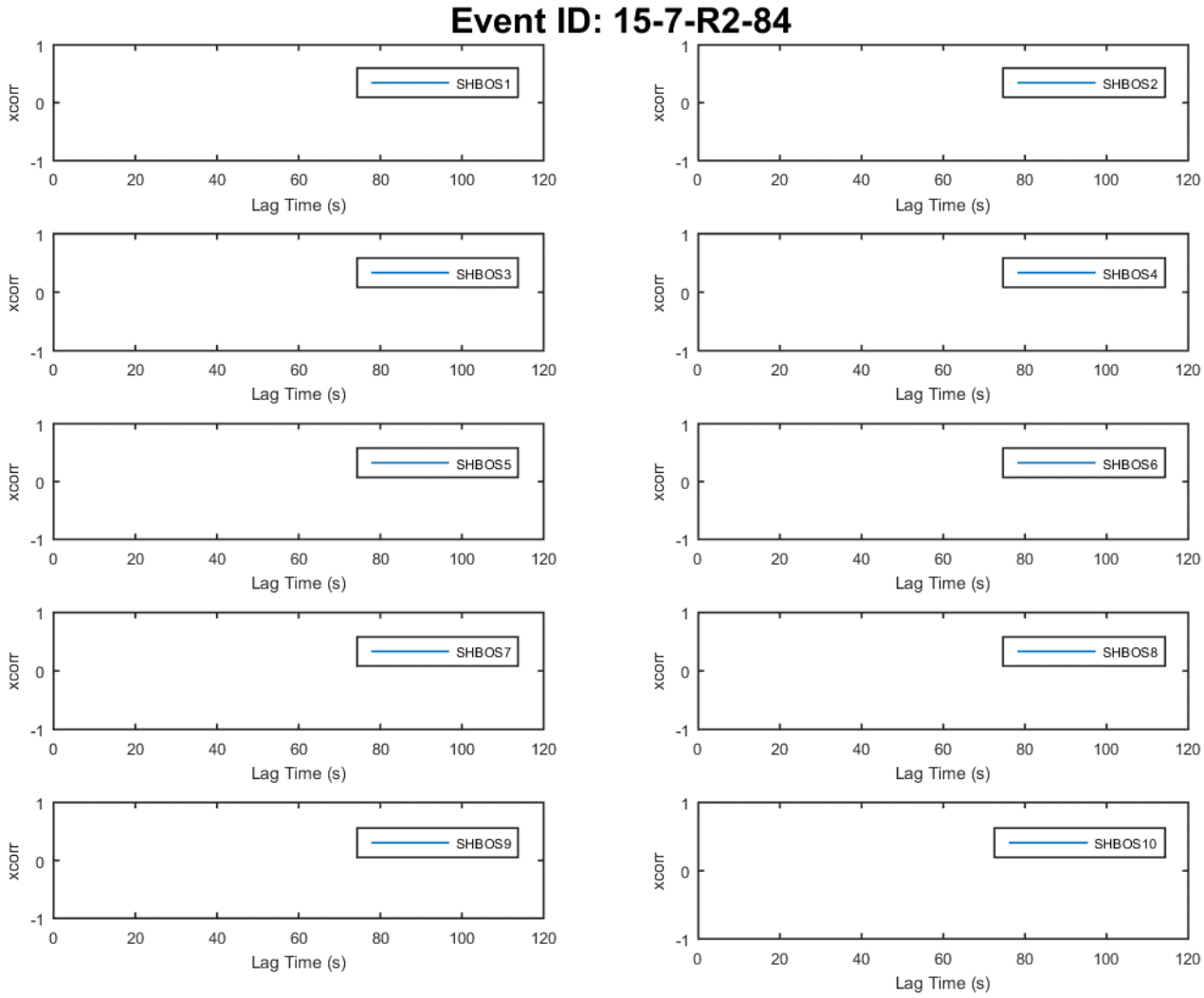


FIGURE 3.1005: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-84

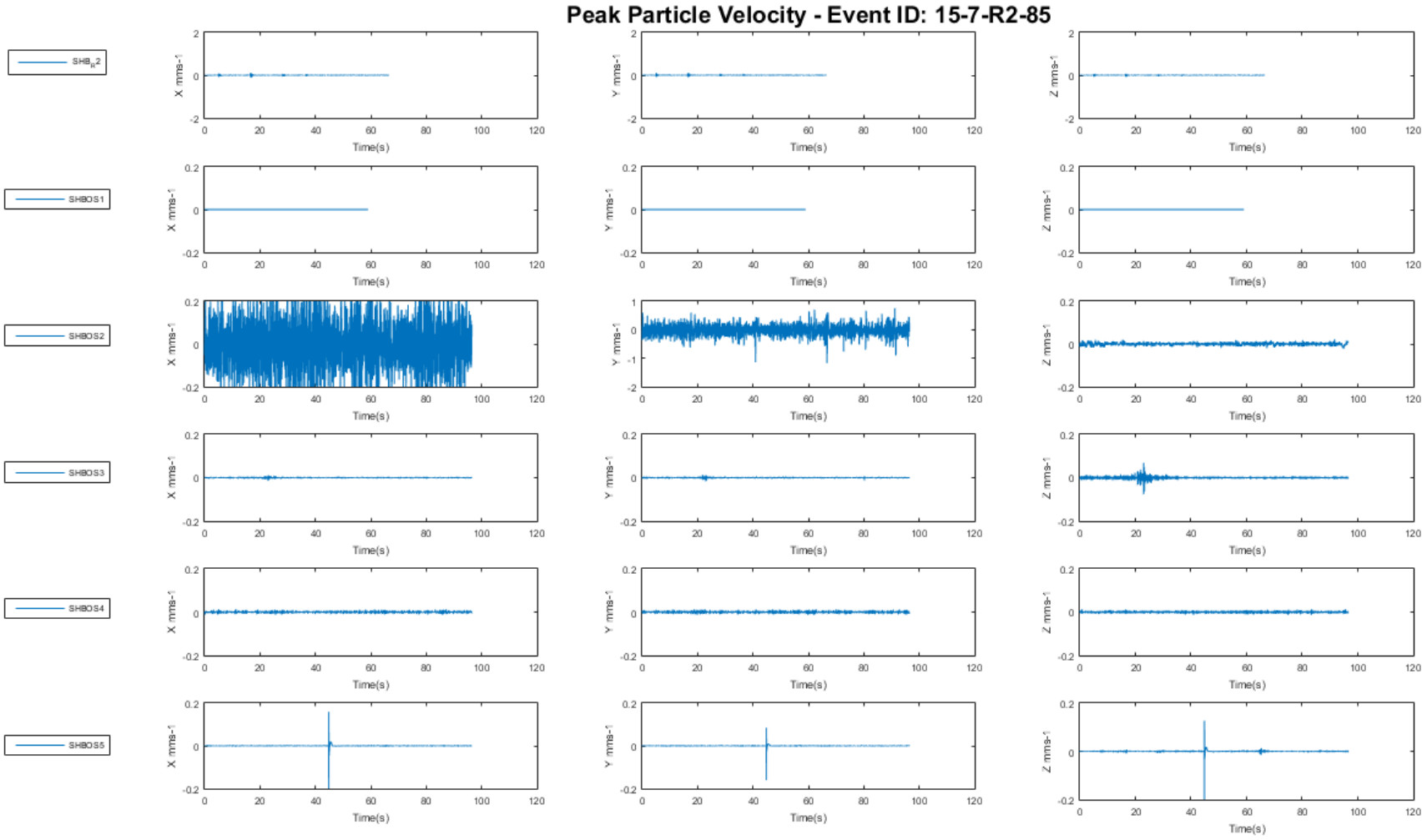


FIGURE 3.1006: SHB_OS 1 - 5 15-7-R2-85

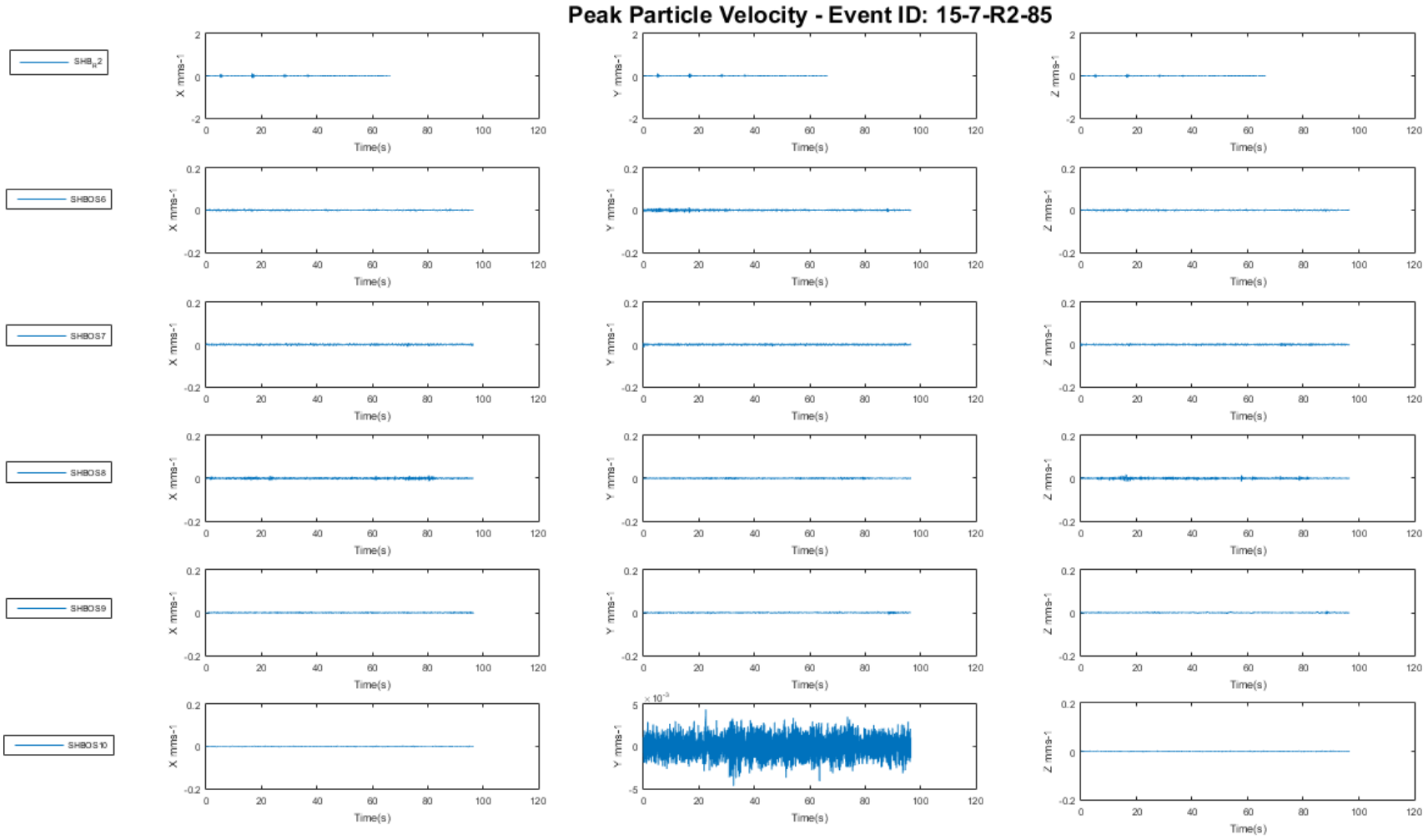


FIGURE 3.1007: SHB_OS 6 - 10 15-7-R2-85

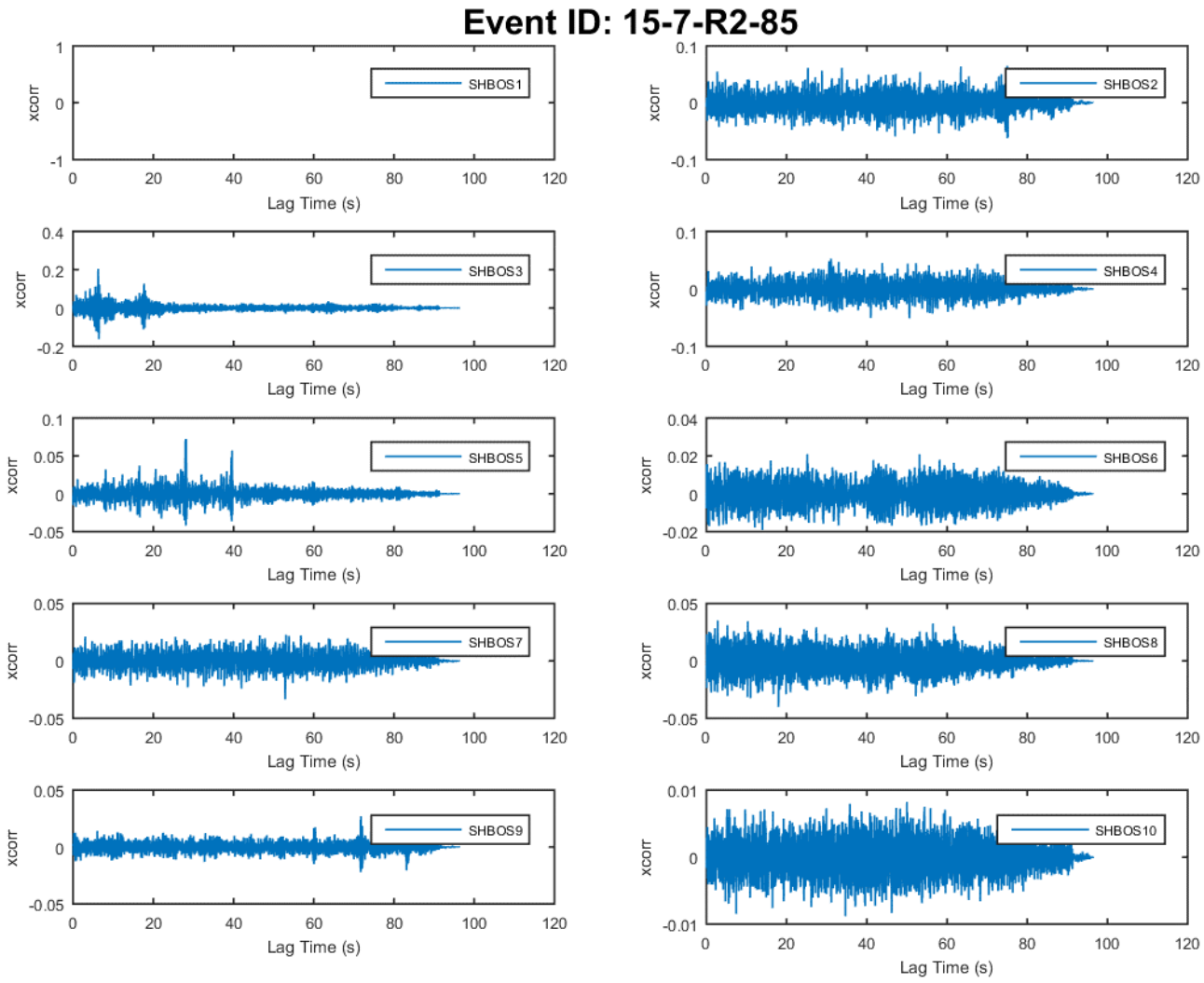


FIGURE 3.1008: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-85

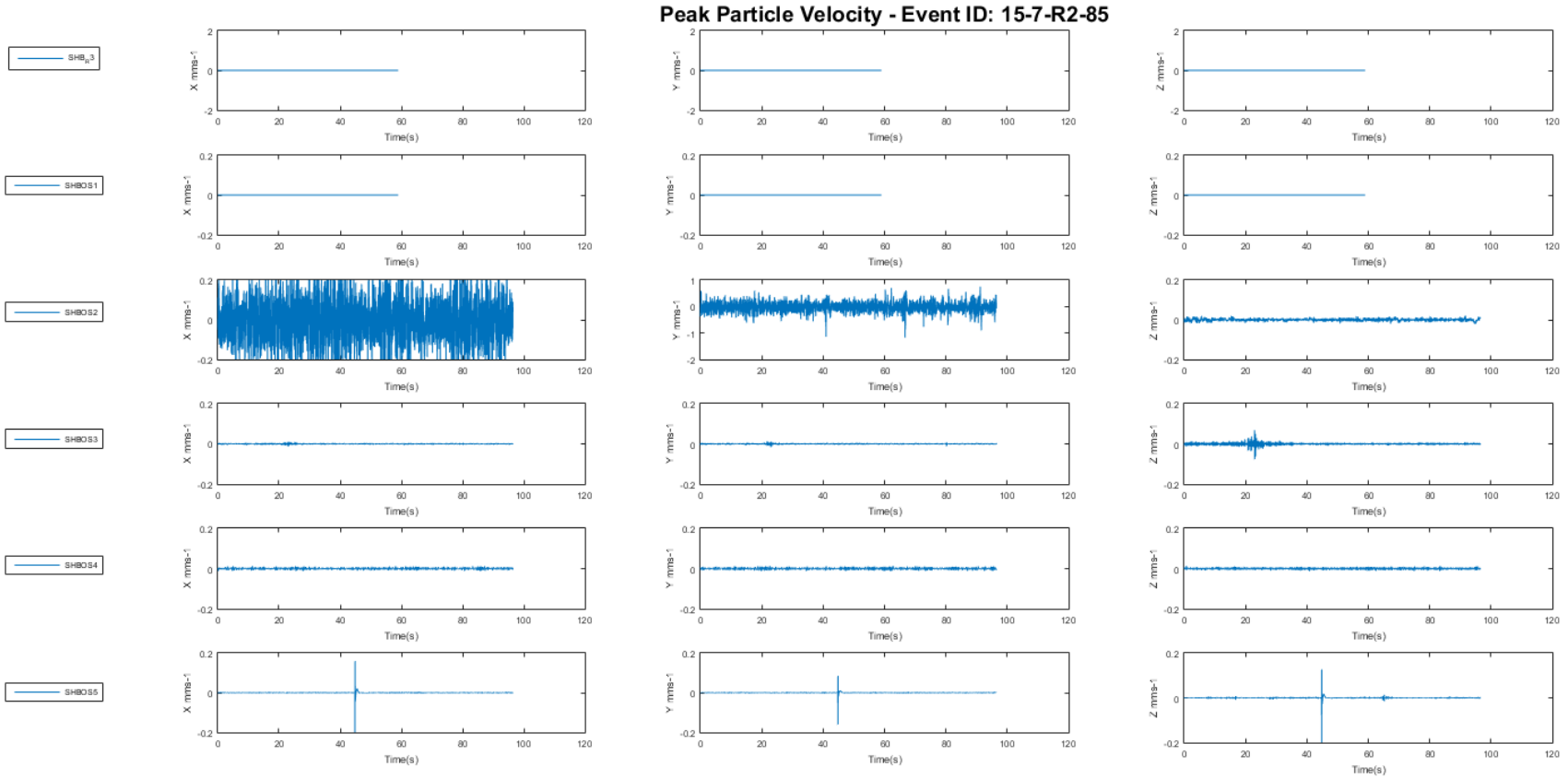
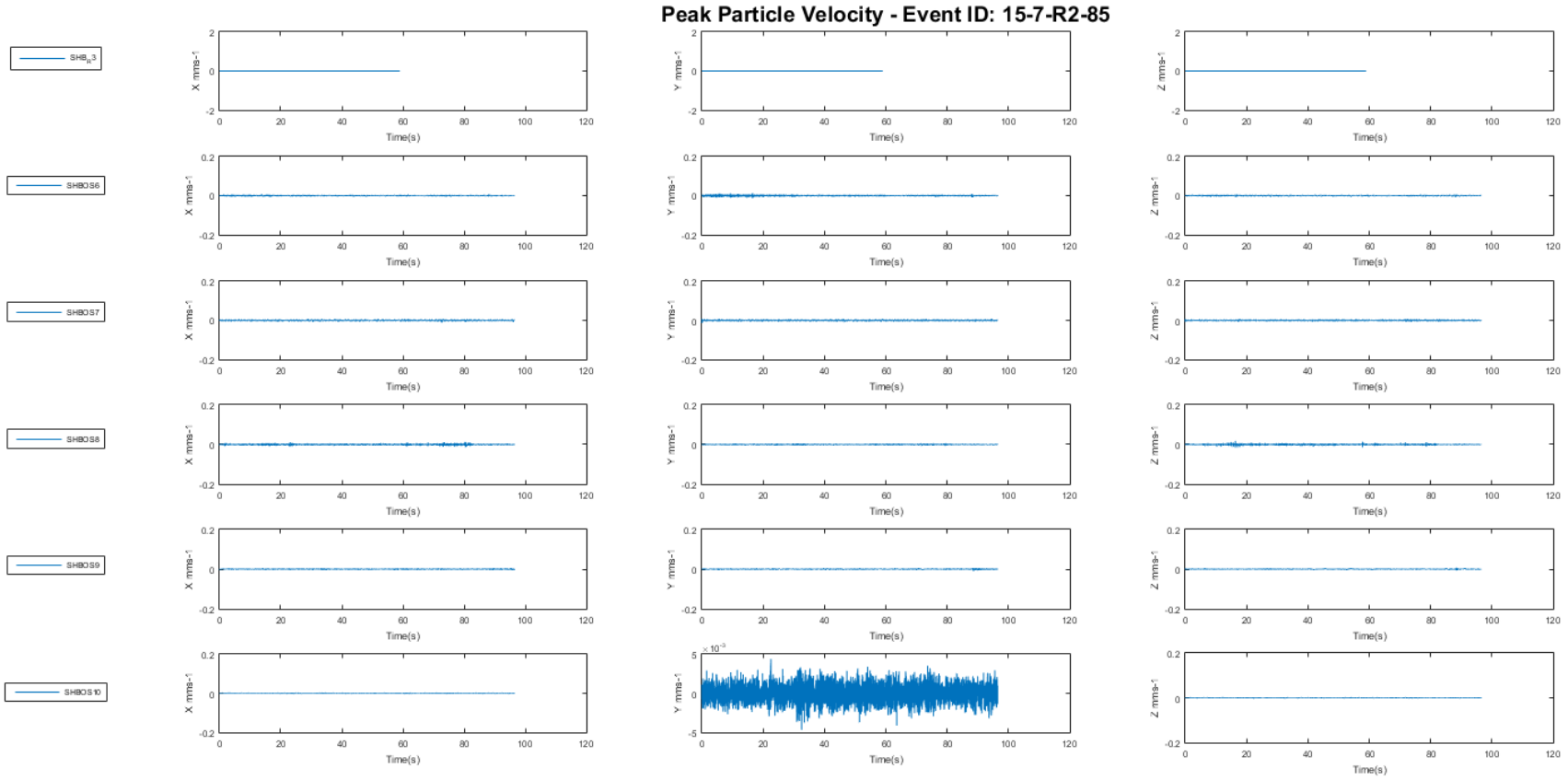


FIGURE 3.1009: SHB_OS 1 - 5 15-7-R2-85

FIGURE 3.1010: SHB_OS 6 - 10 15-7-R2-85



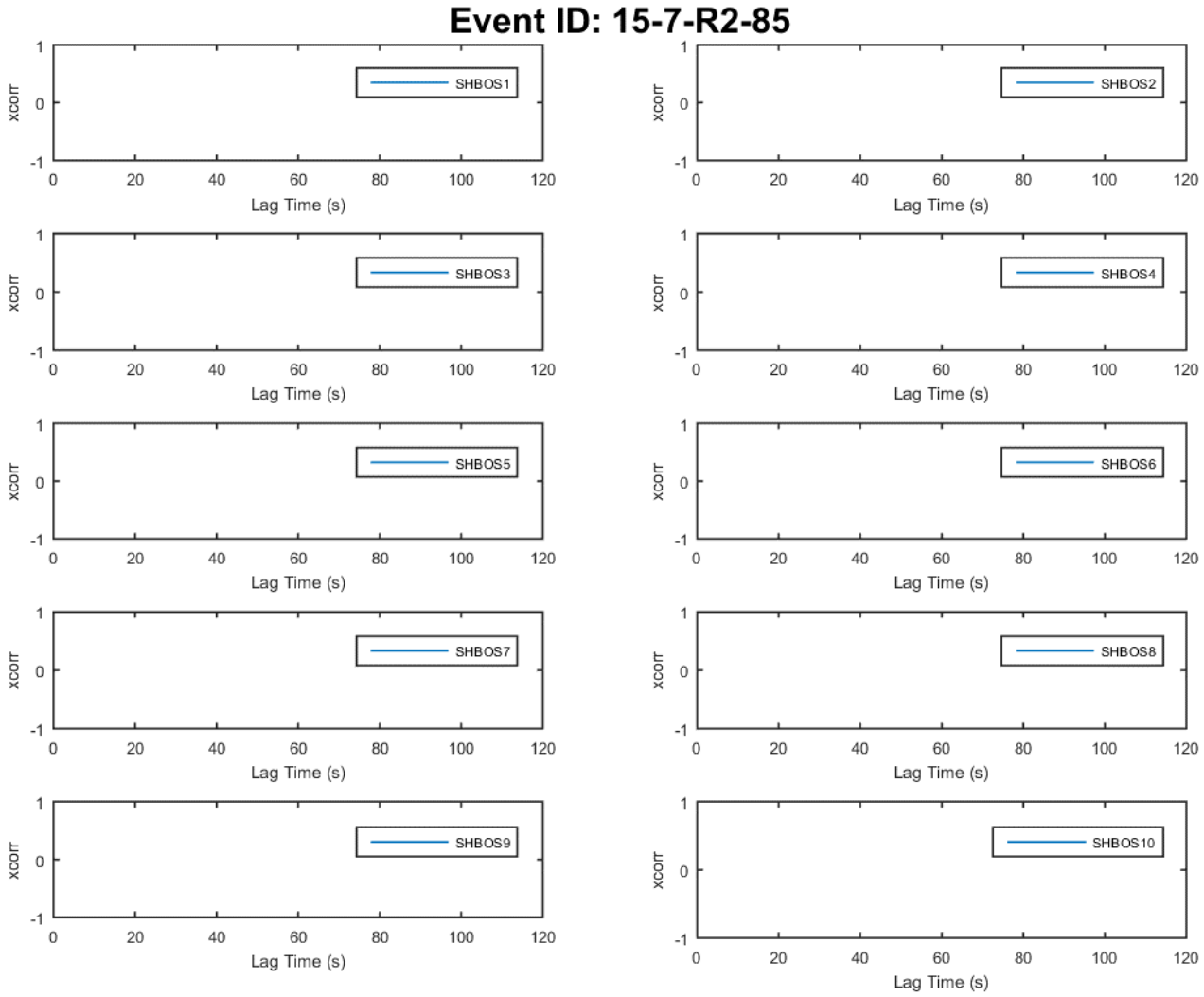


FIGURE 3.1011: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-85

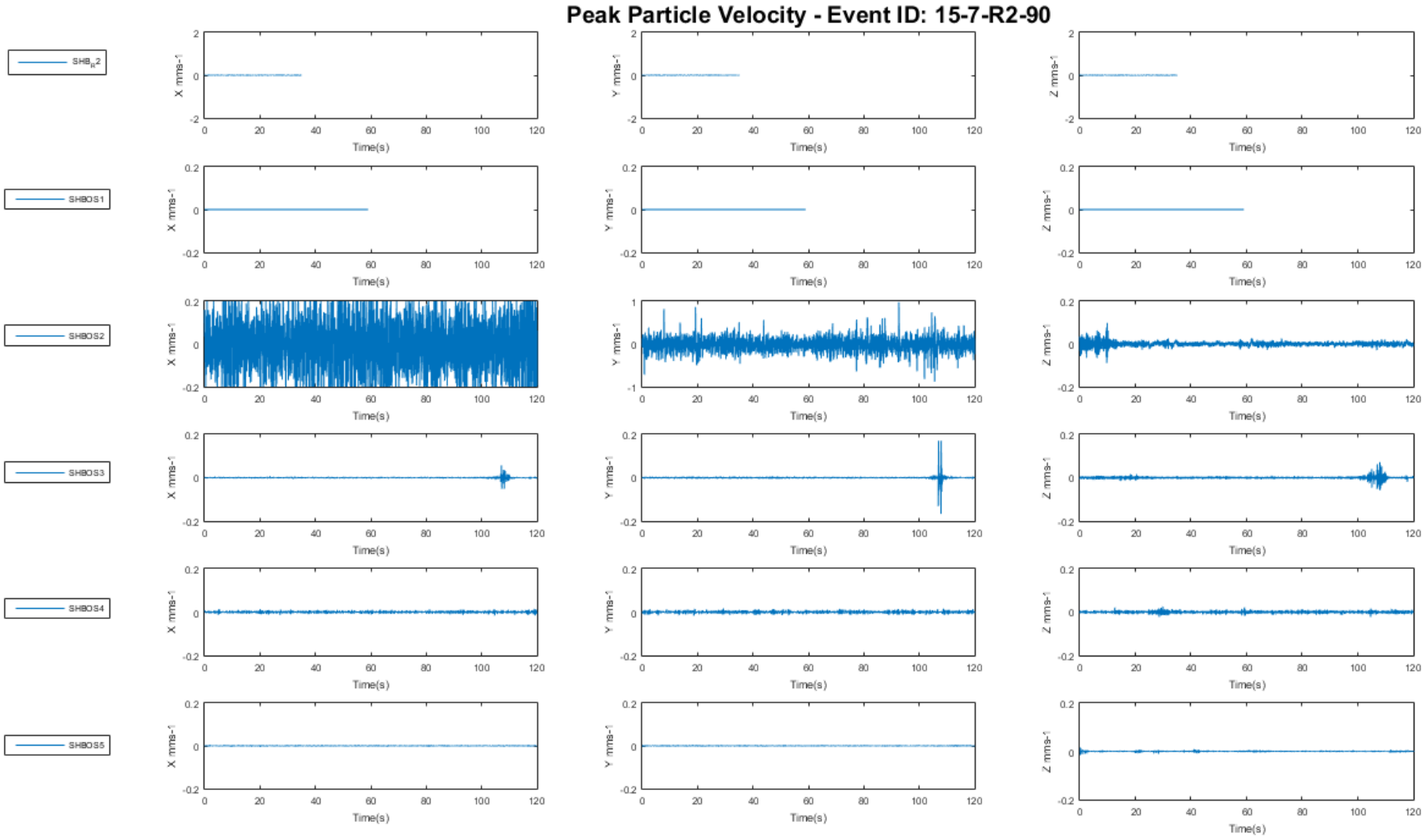


FIGURE 3.1012: SHB_OS 1 - 5 15-7-R2-90

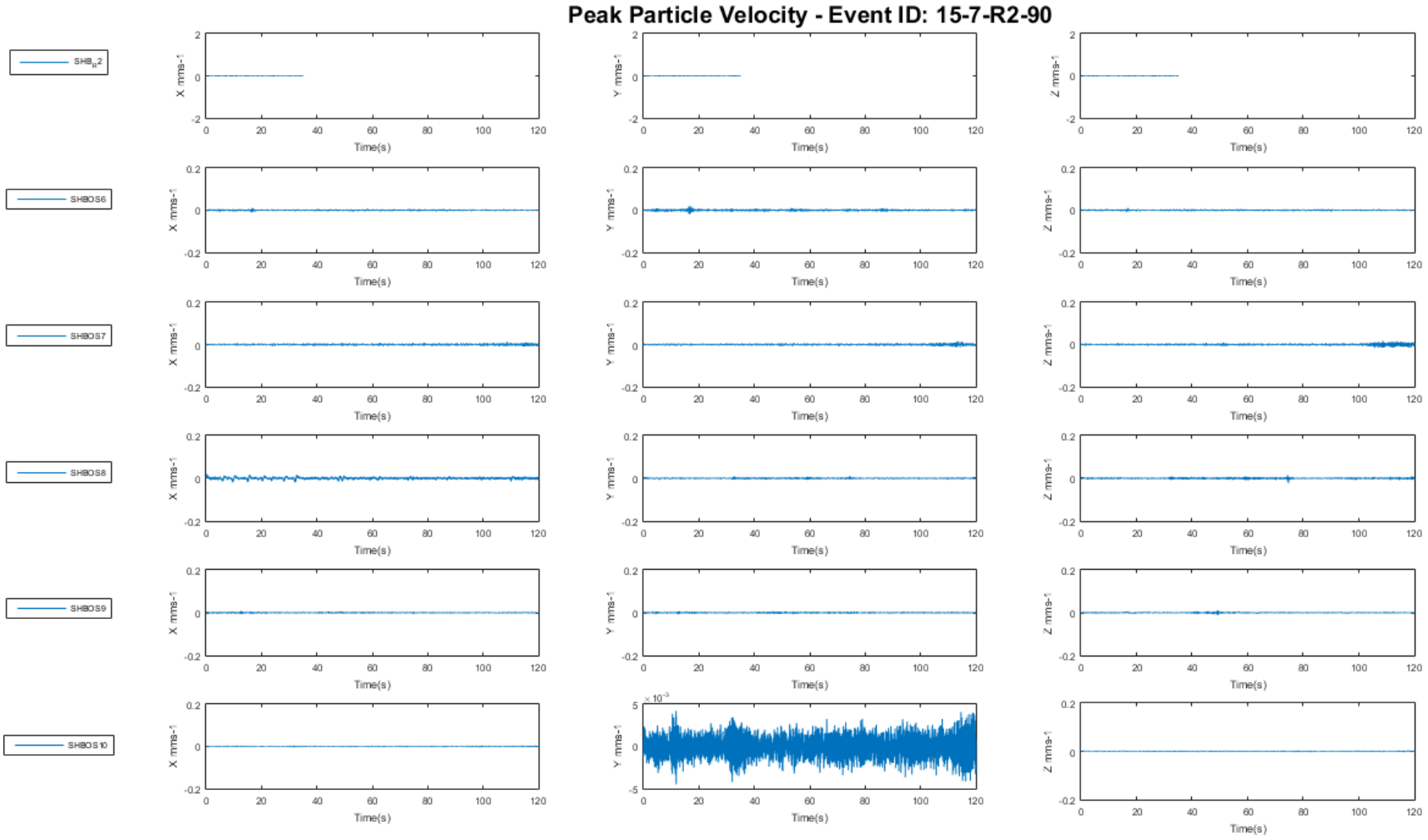


FIGURE 3.1013: SHB_OS 6 - 10 15-7-R2-90

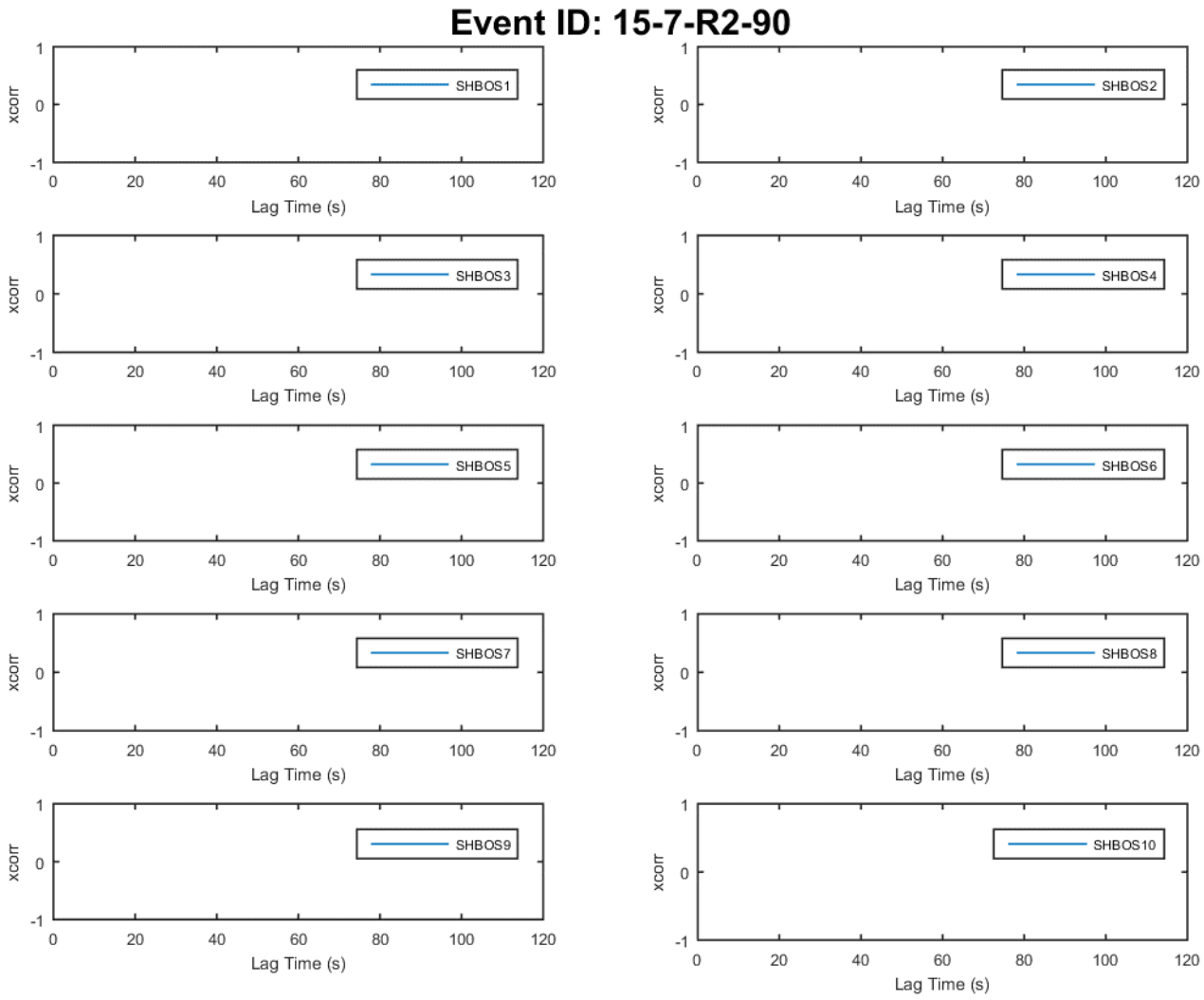


FIGURE 3.1014: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-90

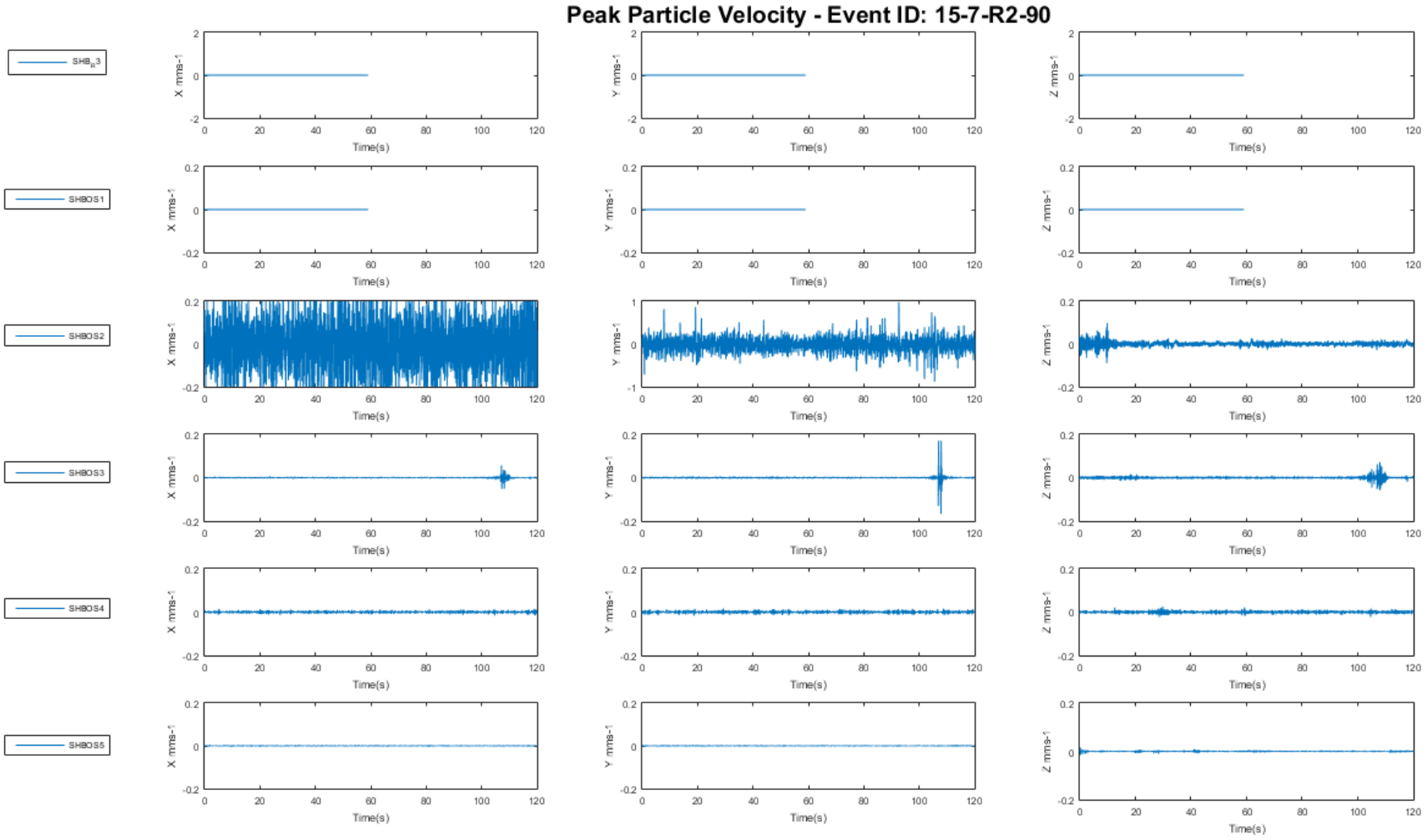


FIGURE 3.1015: SHB_OS 1 - 5 15-7-R2-90

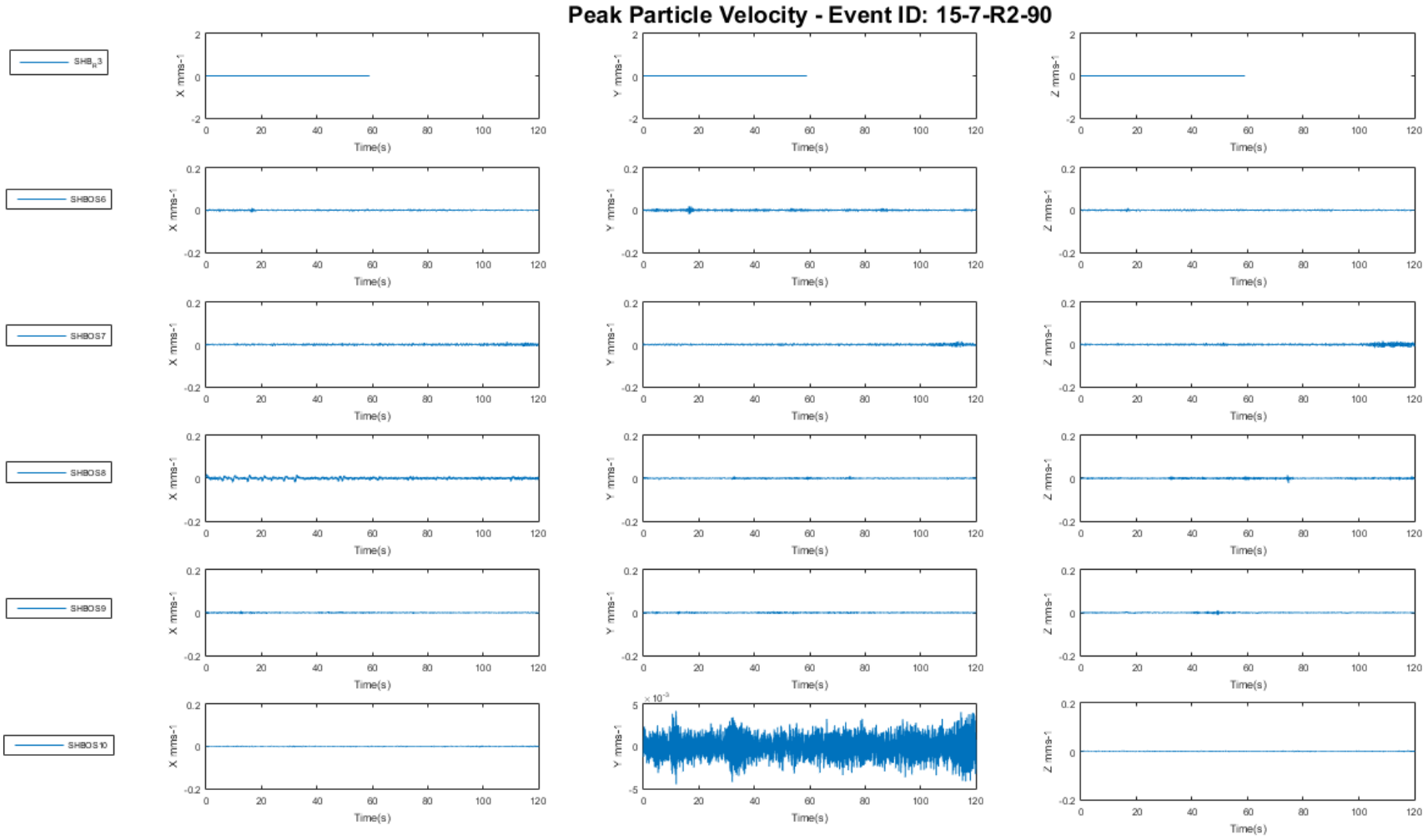


FIGURE 3.1016: SHB_OS 6 - 10 15-7-R2-90

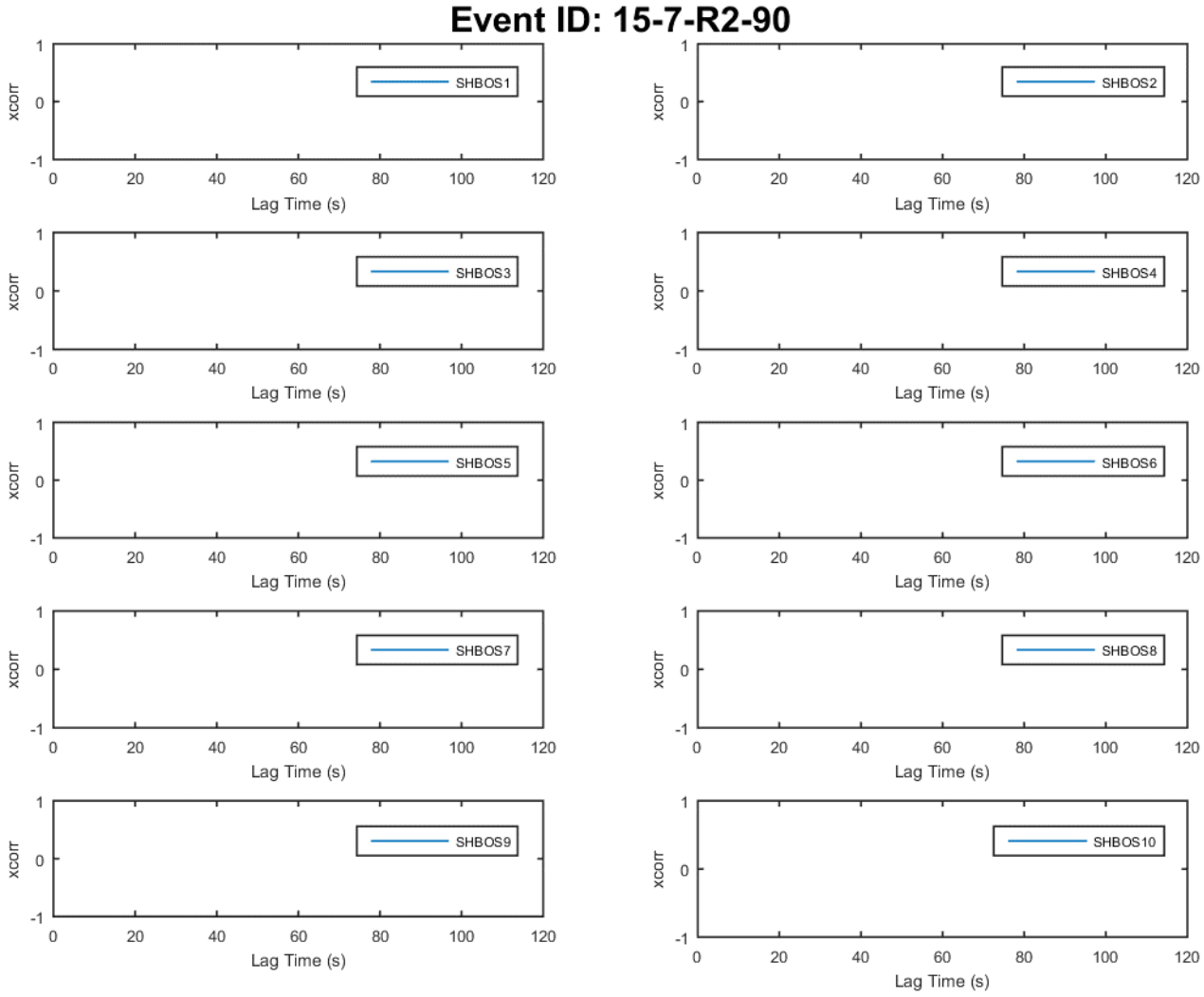


FIGURE 3.1017: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-90

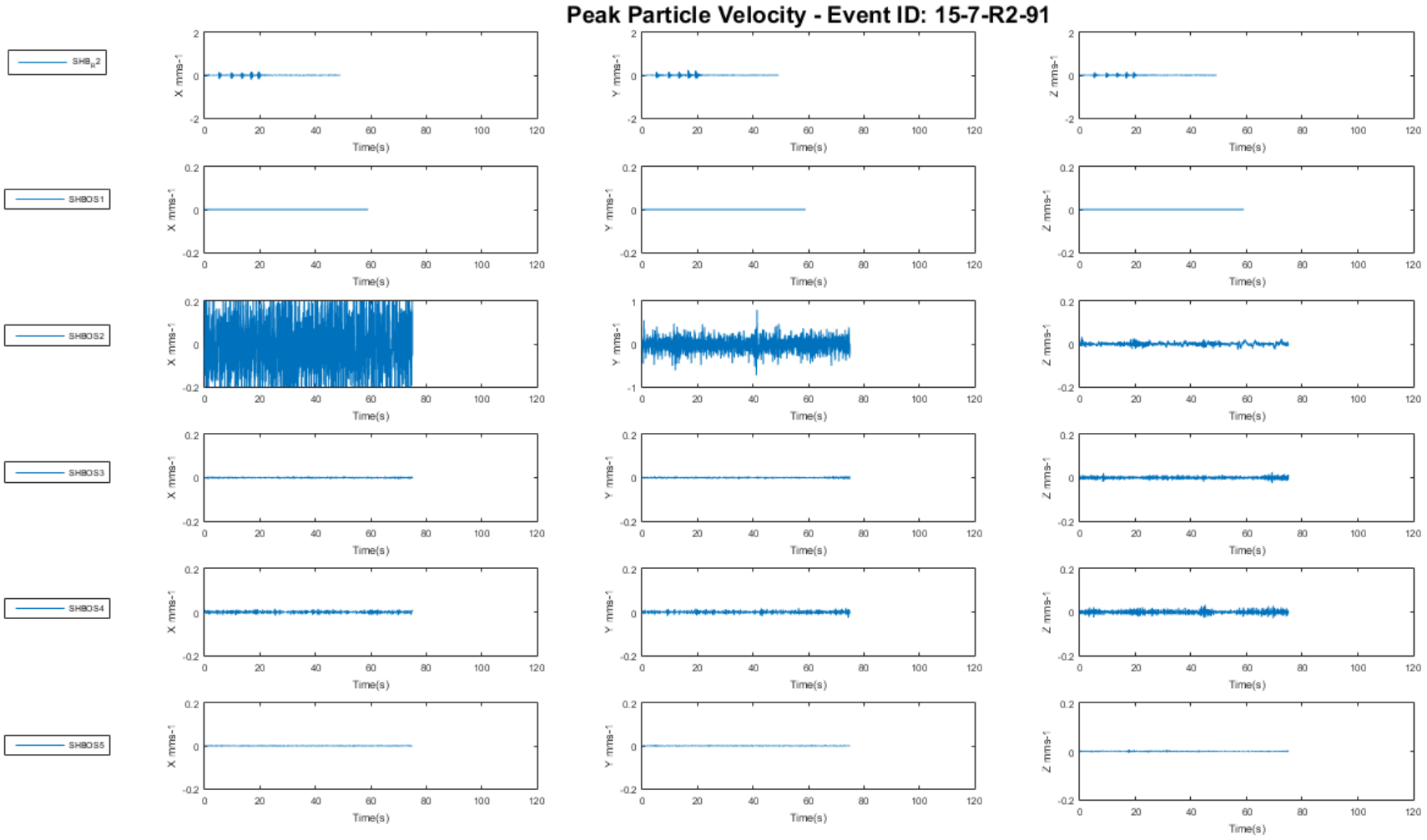


FIGURE 3.1018: SHB_OS 1 - 5 15-7-R2-91

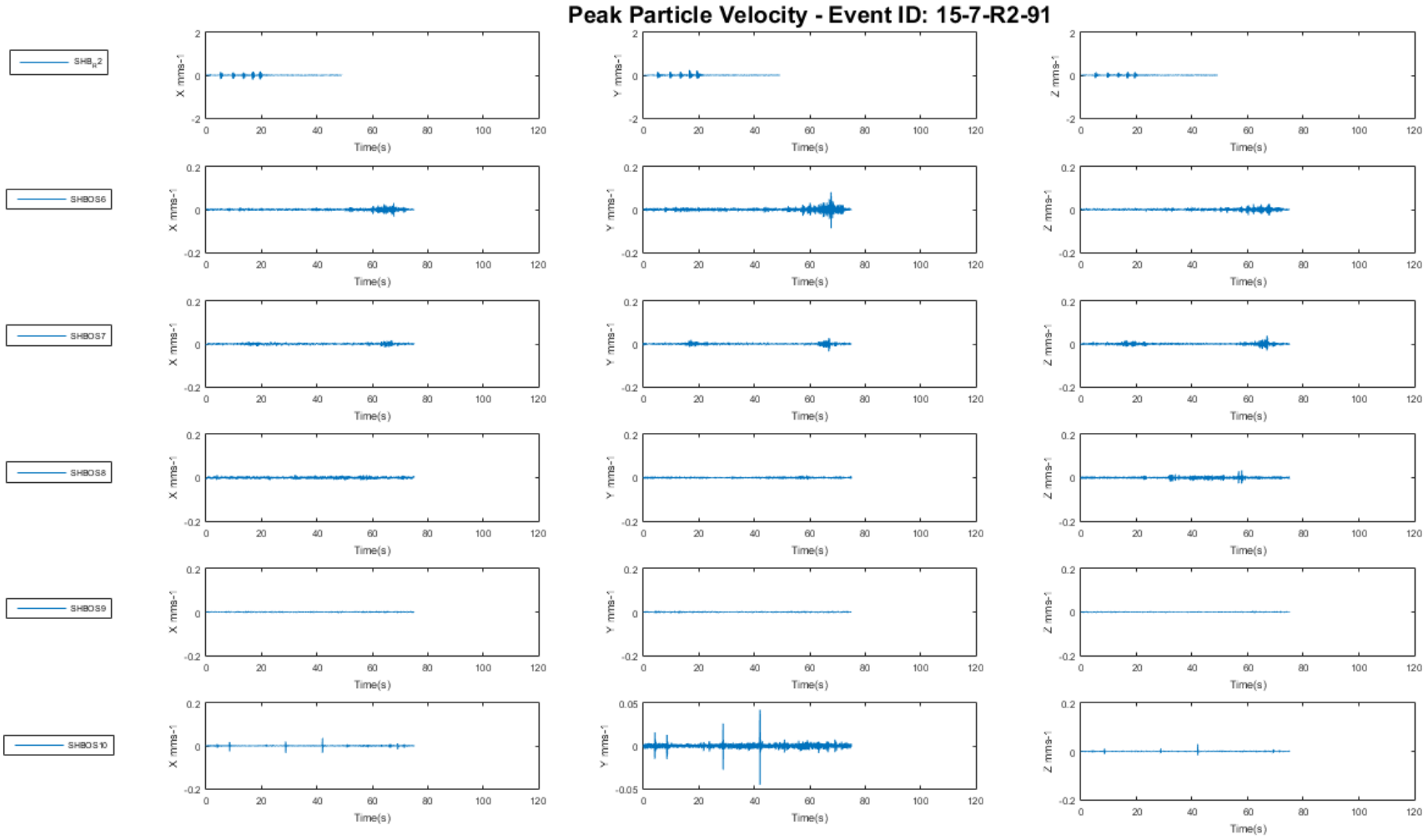


FIGURE 3.1019: SHB_OS 6 - 10 15-7-R2-91

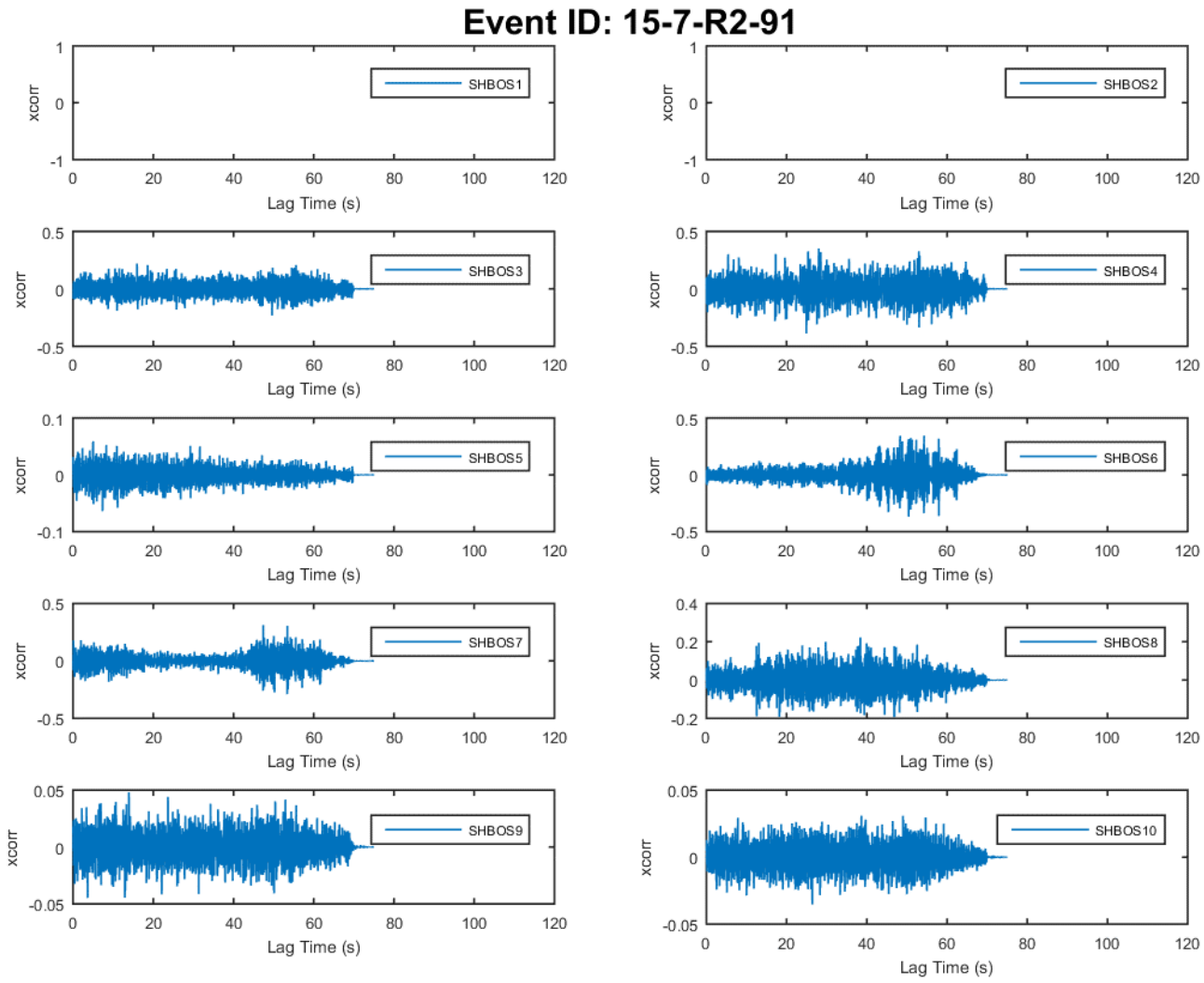


FIGURE 3.1020: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-91

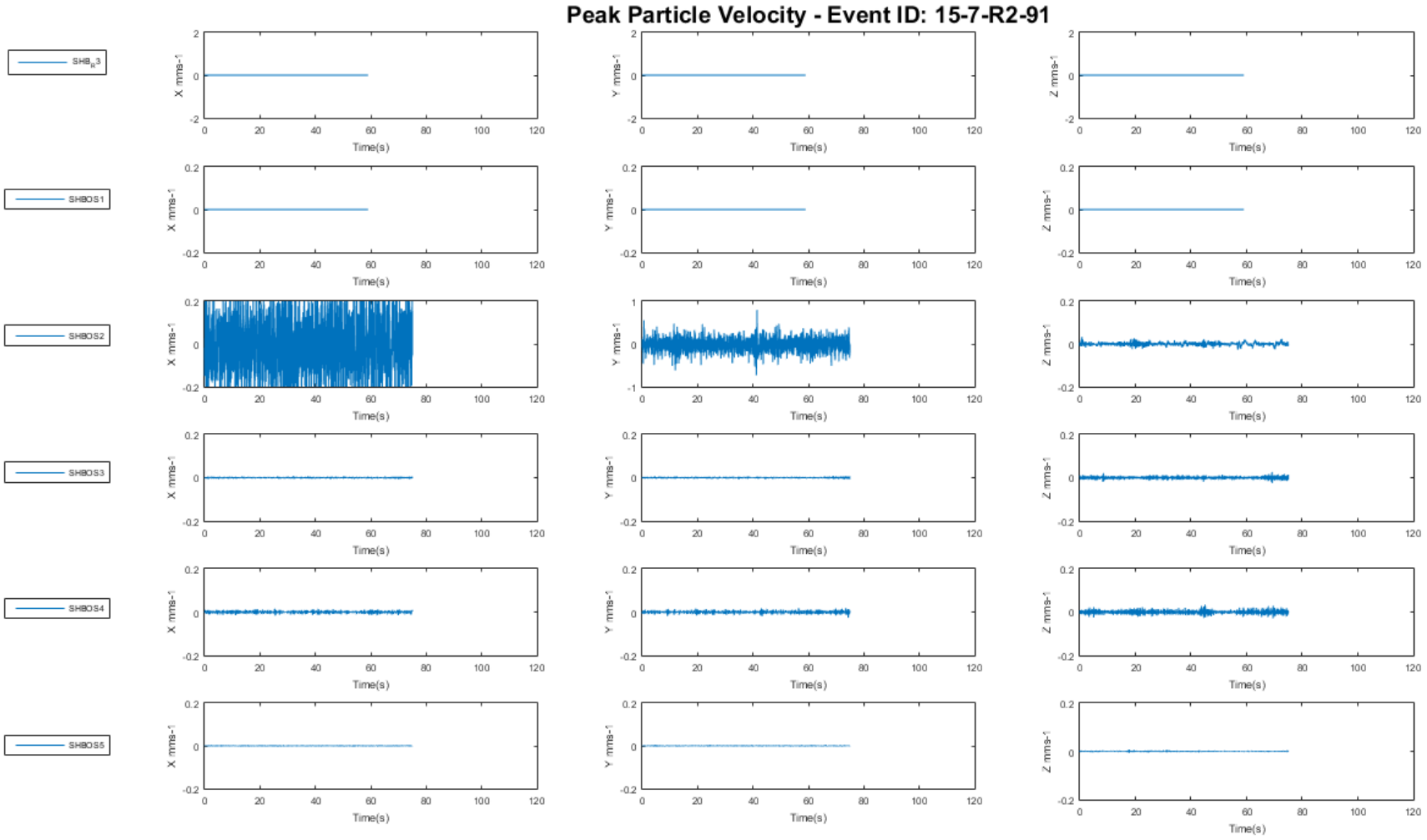


FIGURE 3.1021: SHB_OS 1 - 5 15-7-R2-91

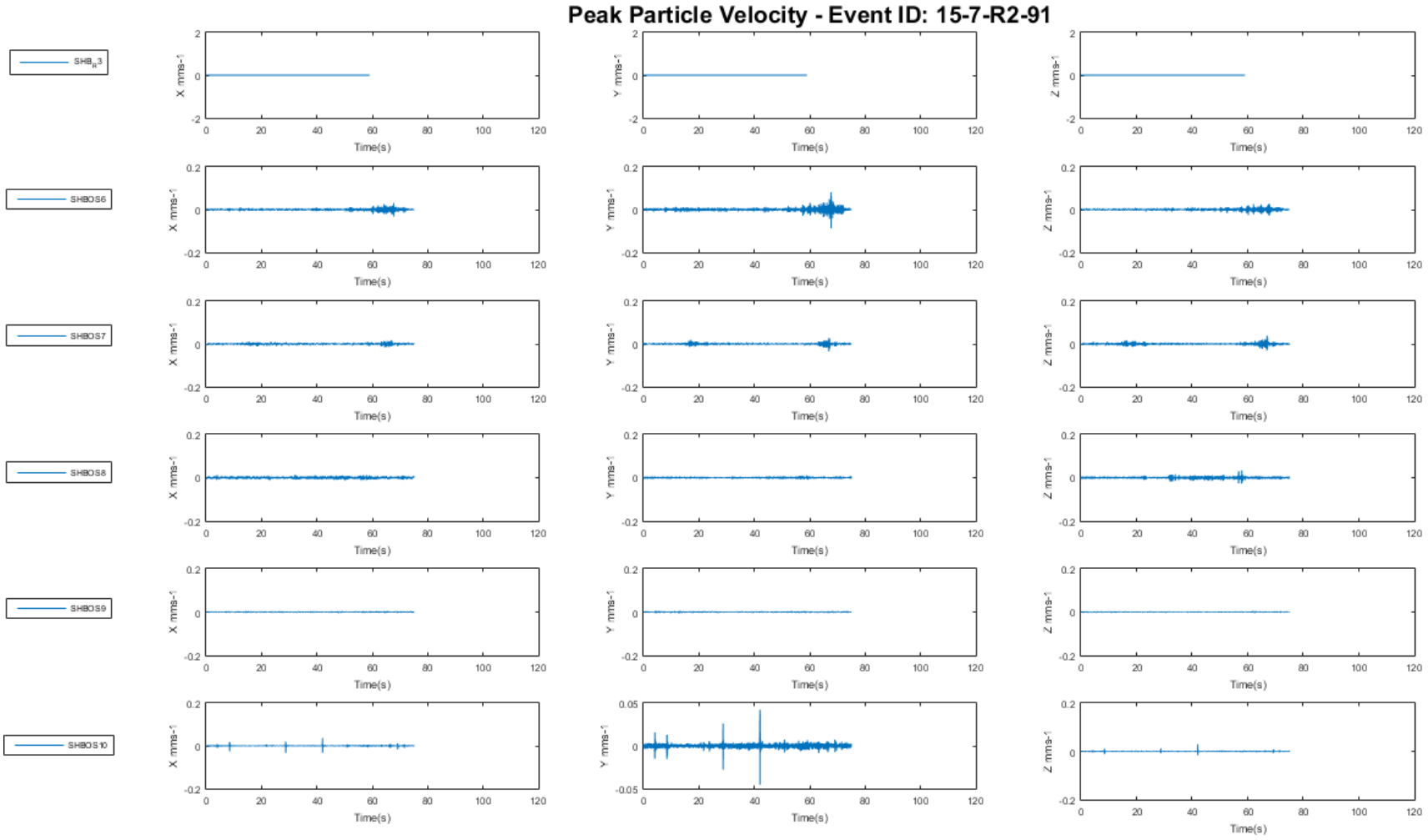


FIGURE 3.1022: SHB_OS 6 - 10 15-7-R2-91

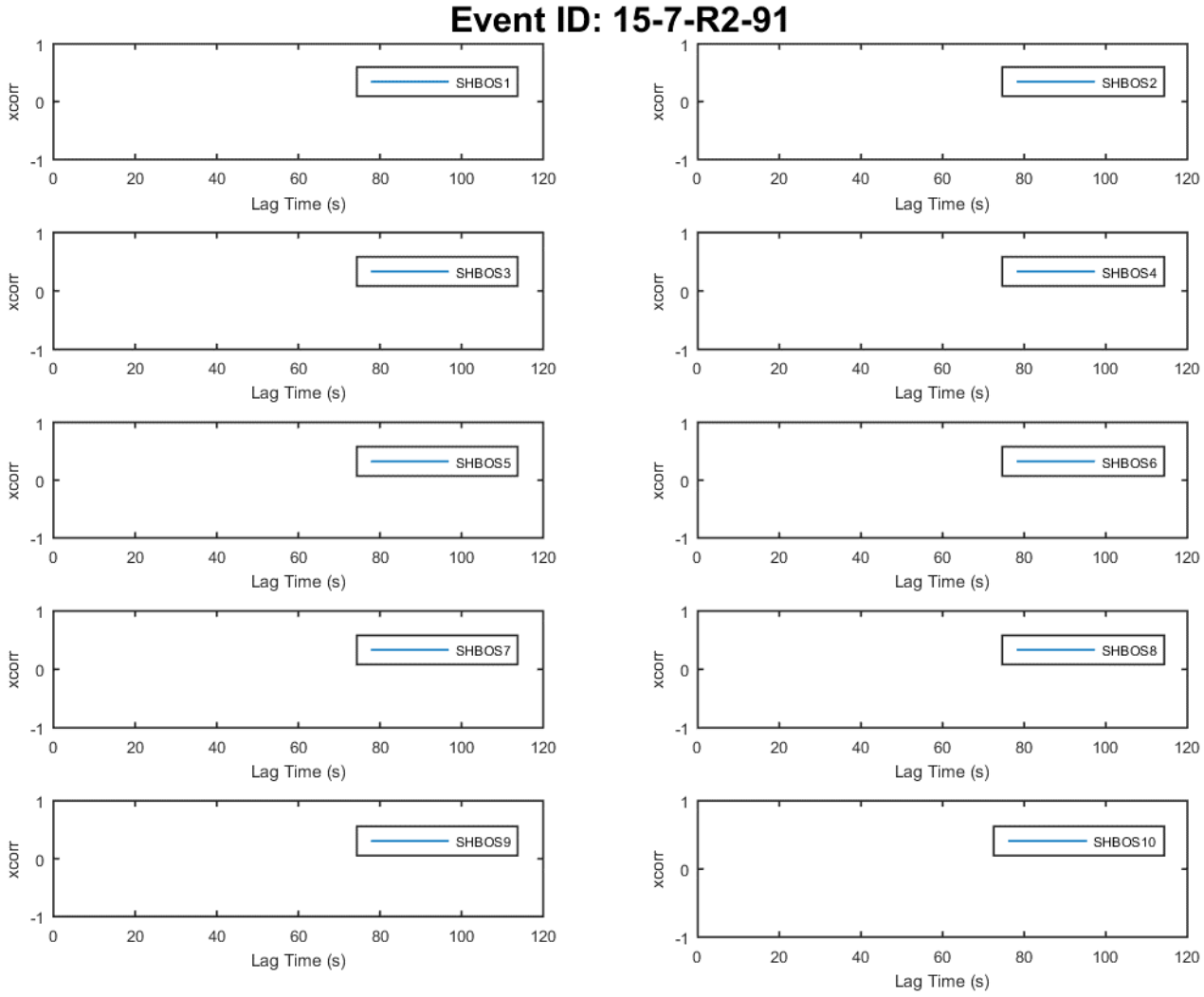


FIGURE 3.1023: CROSS CORRELATION SHB_OS 1 - 10 15-7-R2-91

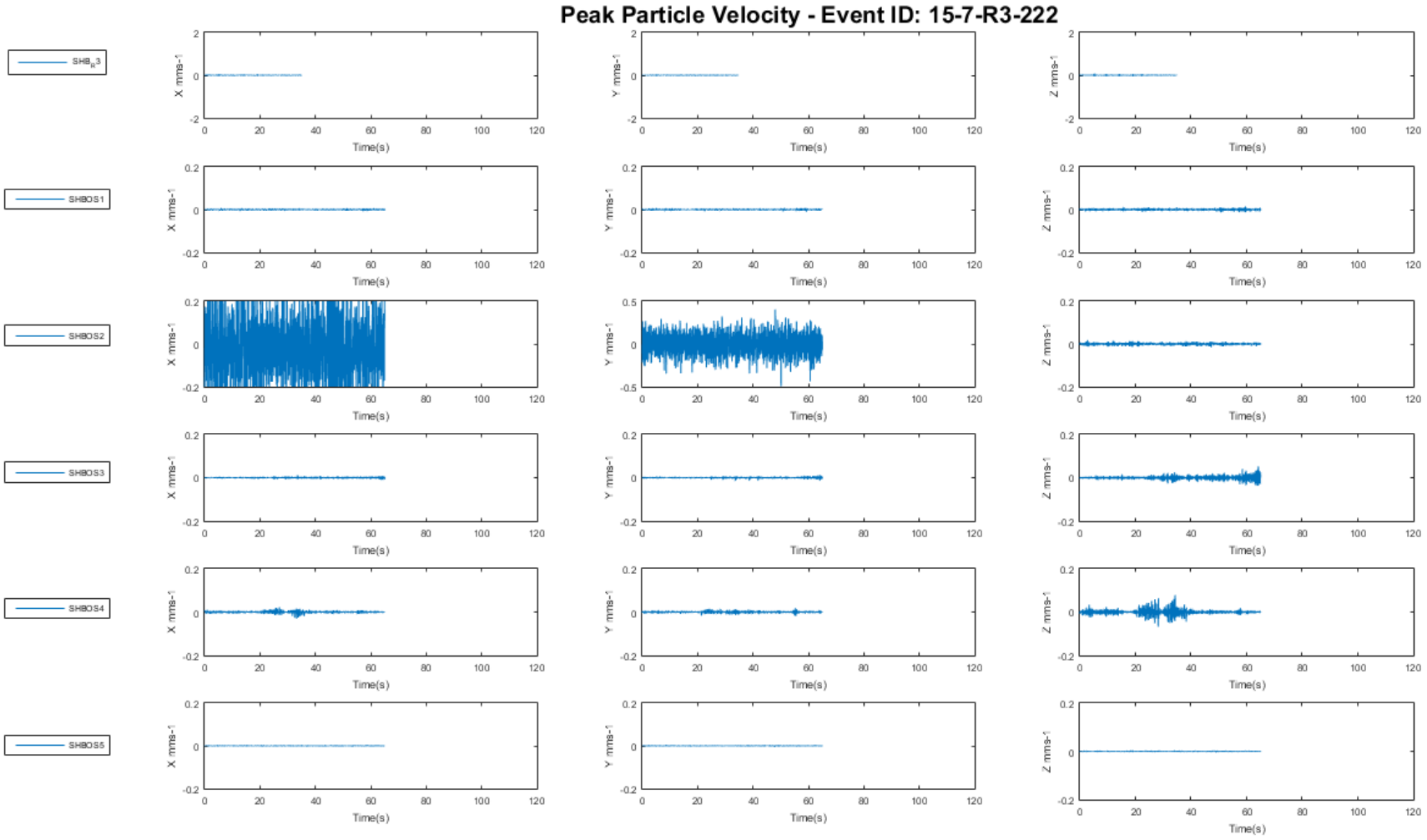


FIGURE 3.1024: SHB_OS 1 - 5 15-7-R3-222

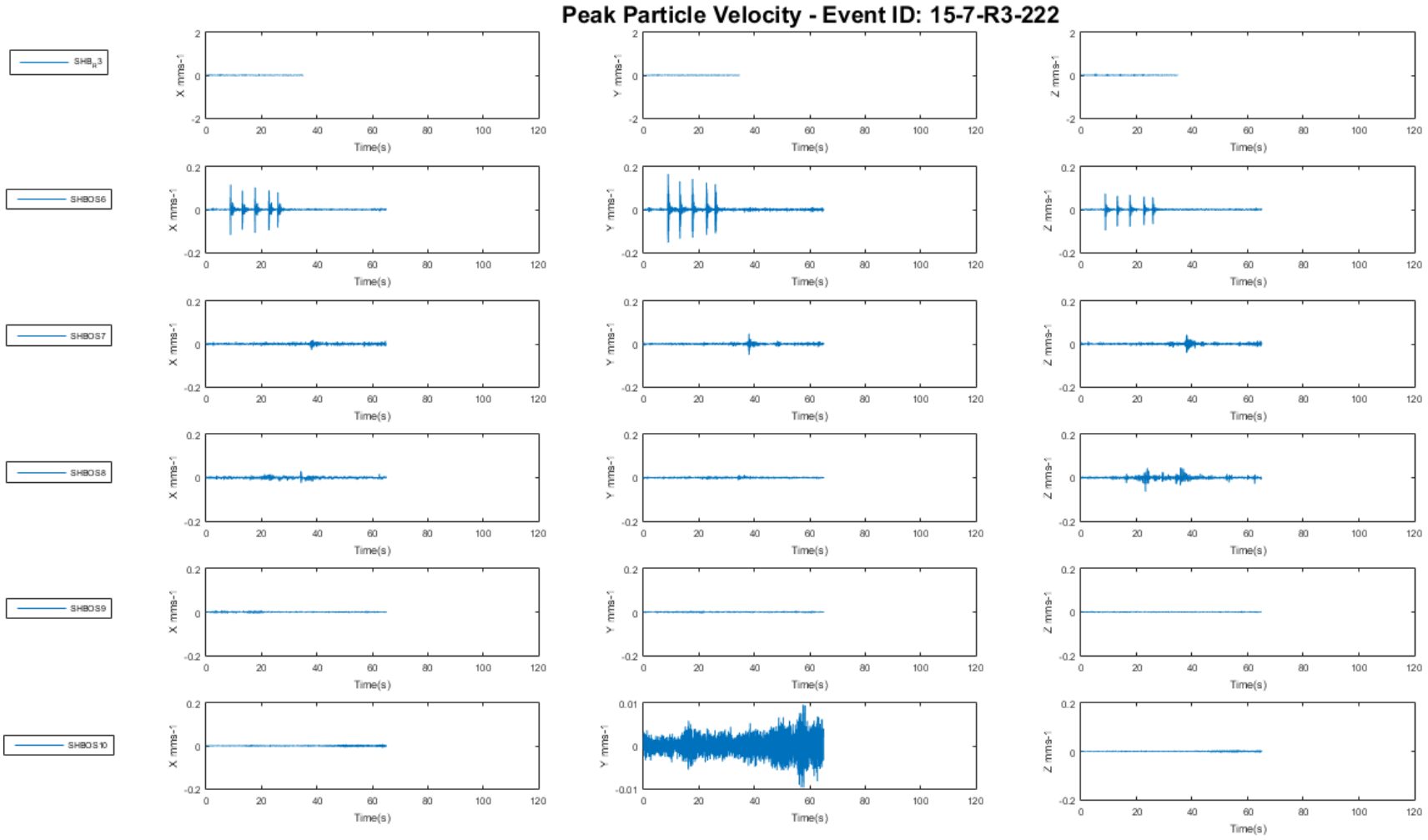


FIGURE 3.1025: SHB_OS 6 - 10 15-7-R3-222

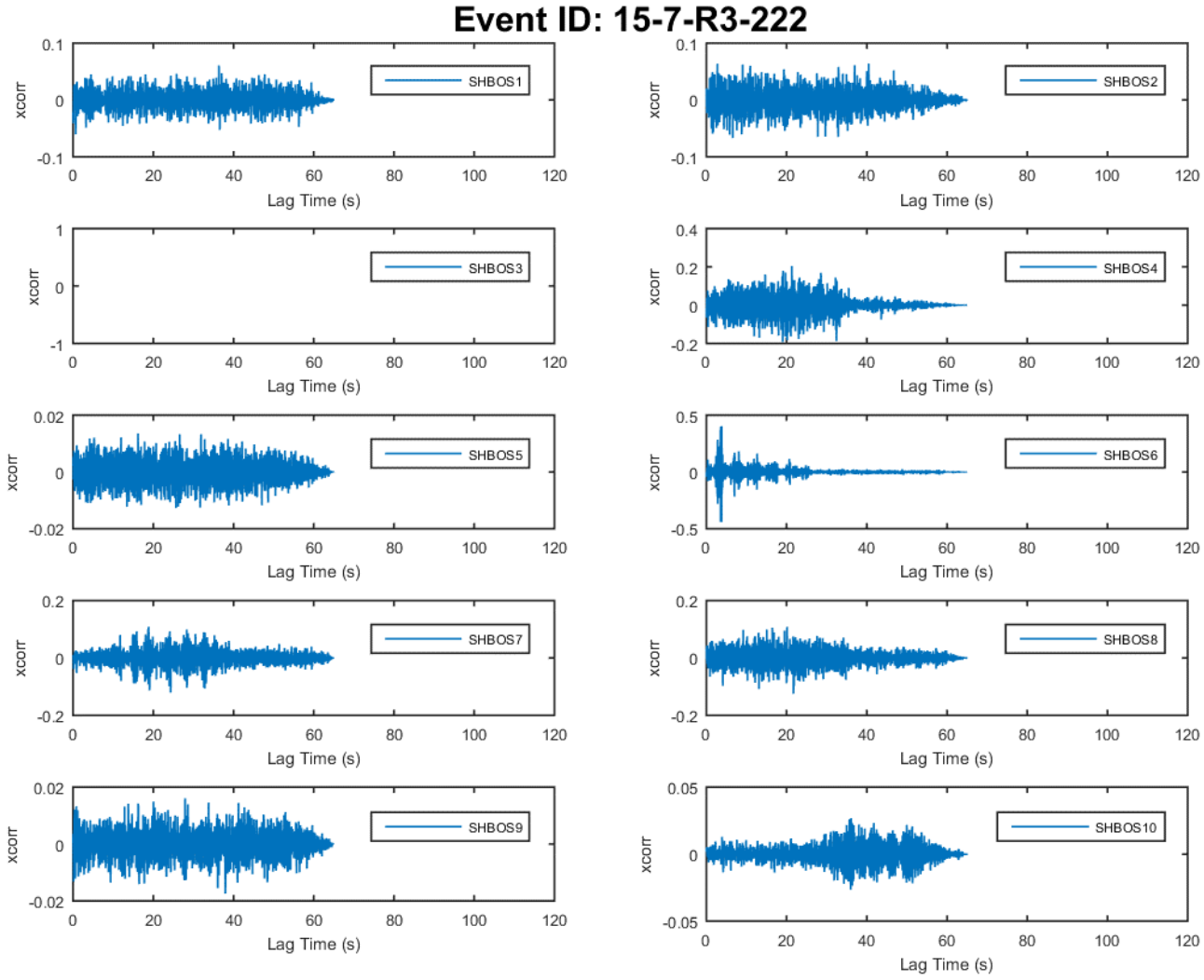


FIGURE 3.1026: CROSS CORRELATION SHB_OS 1 - 10 15-7-R3-222

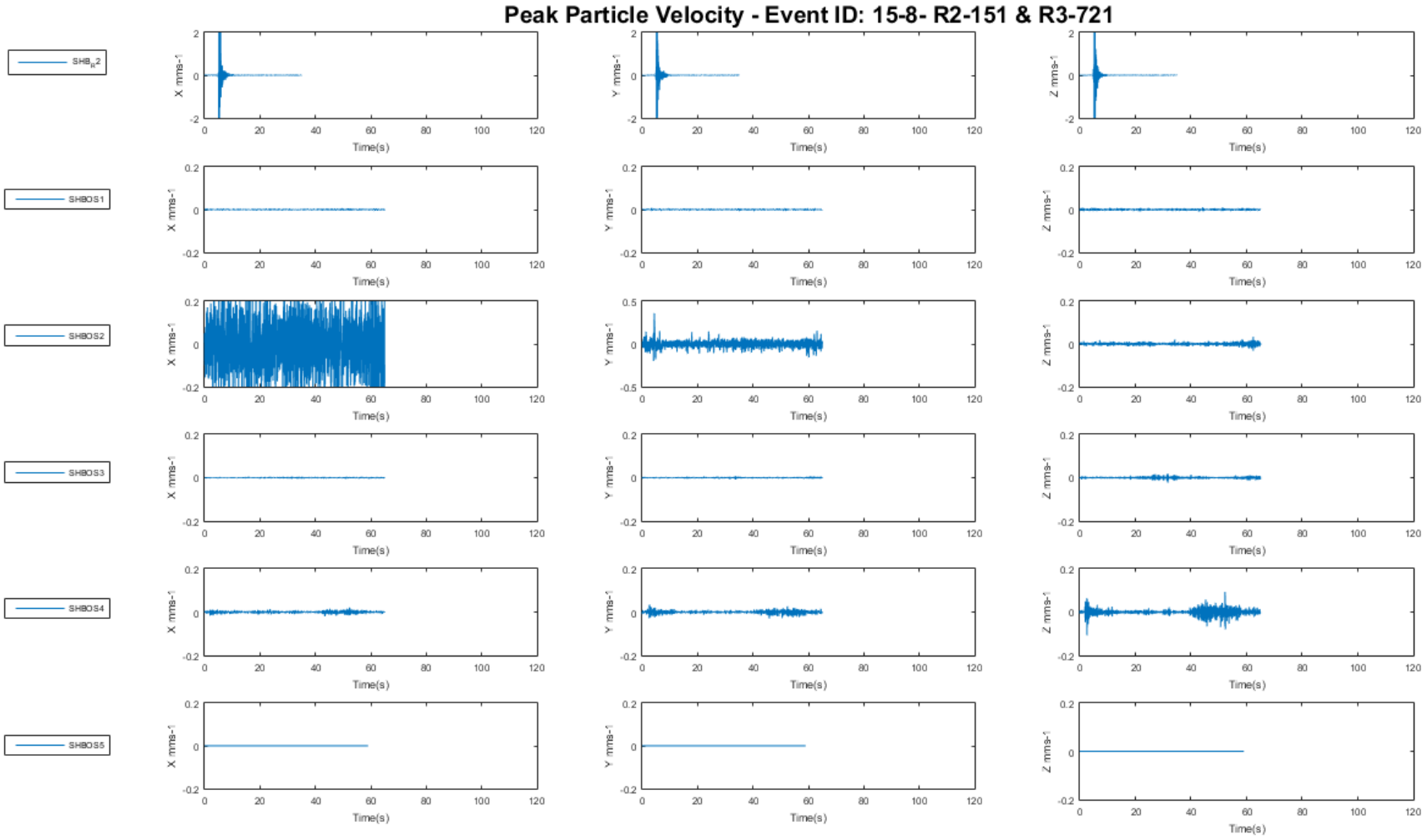


FIGURE 3.1027: SHB_OS 1 - 5 15-8- R2-151 & R3-721

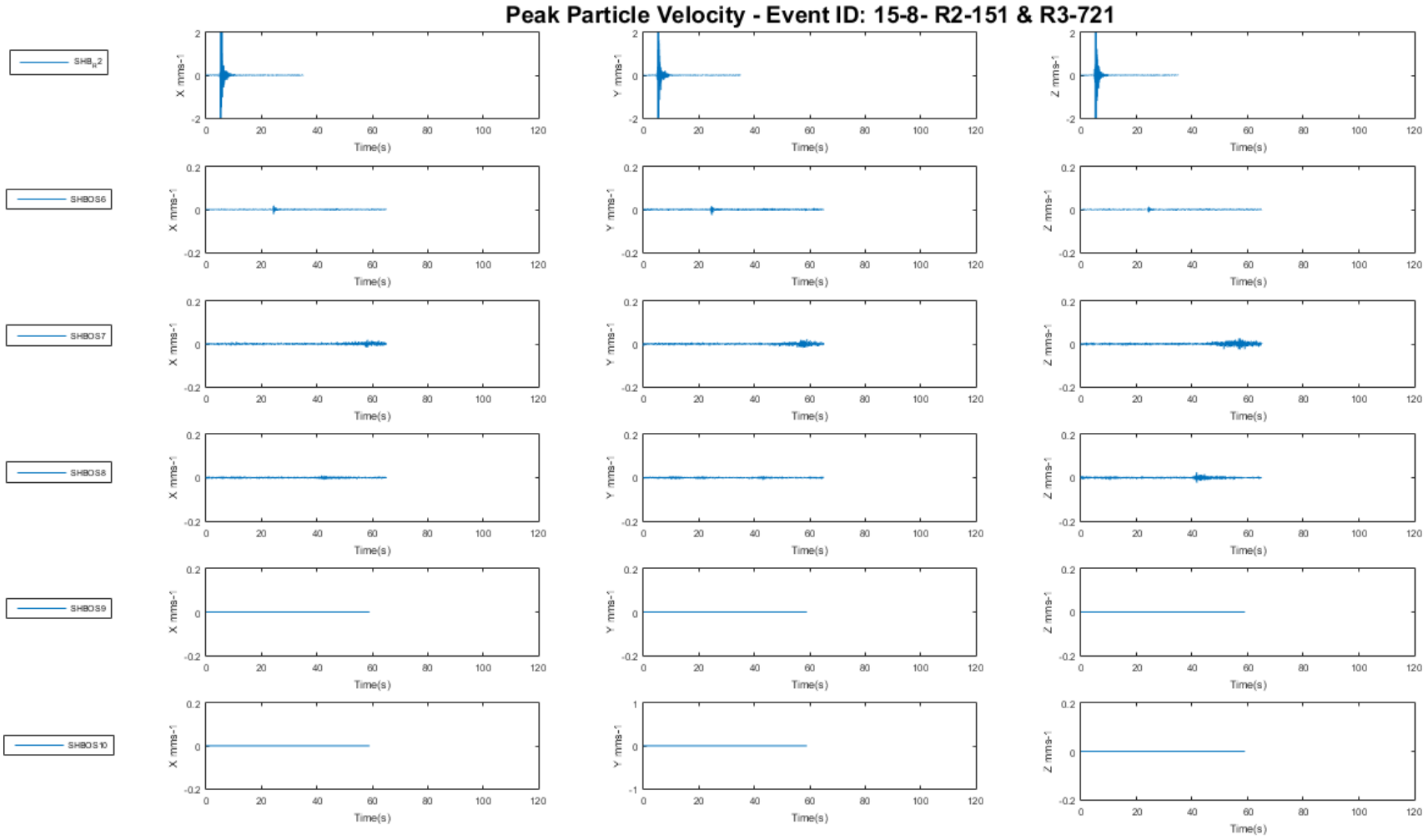


FIGURE 3.1028: SHB_OS 6 - 10 15-8- R2-151 & R3-721

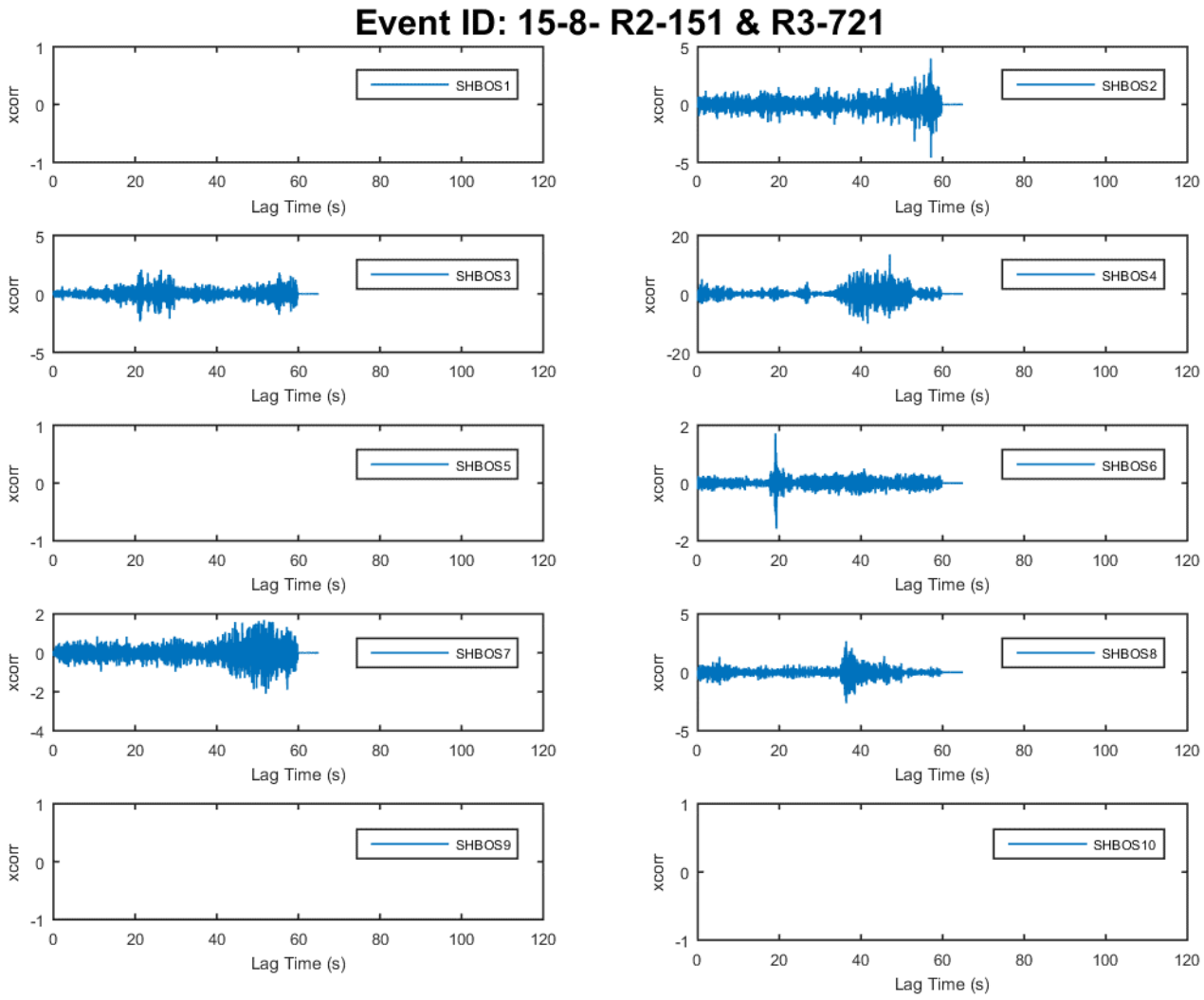


FIGURE 3.1029: CROSS CORRELATION SHB_OS 1 - 10 15-8- R2-151 & R3-721

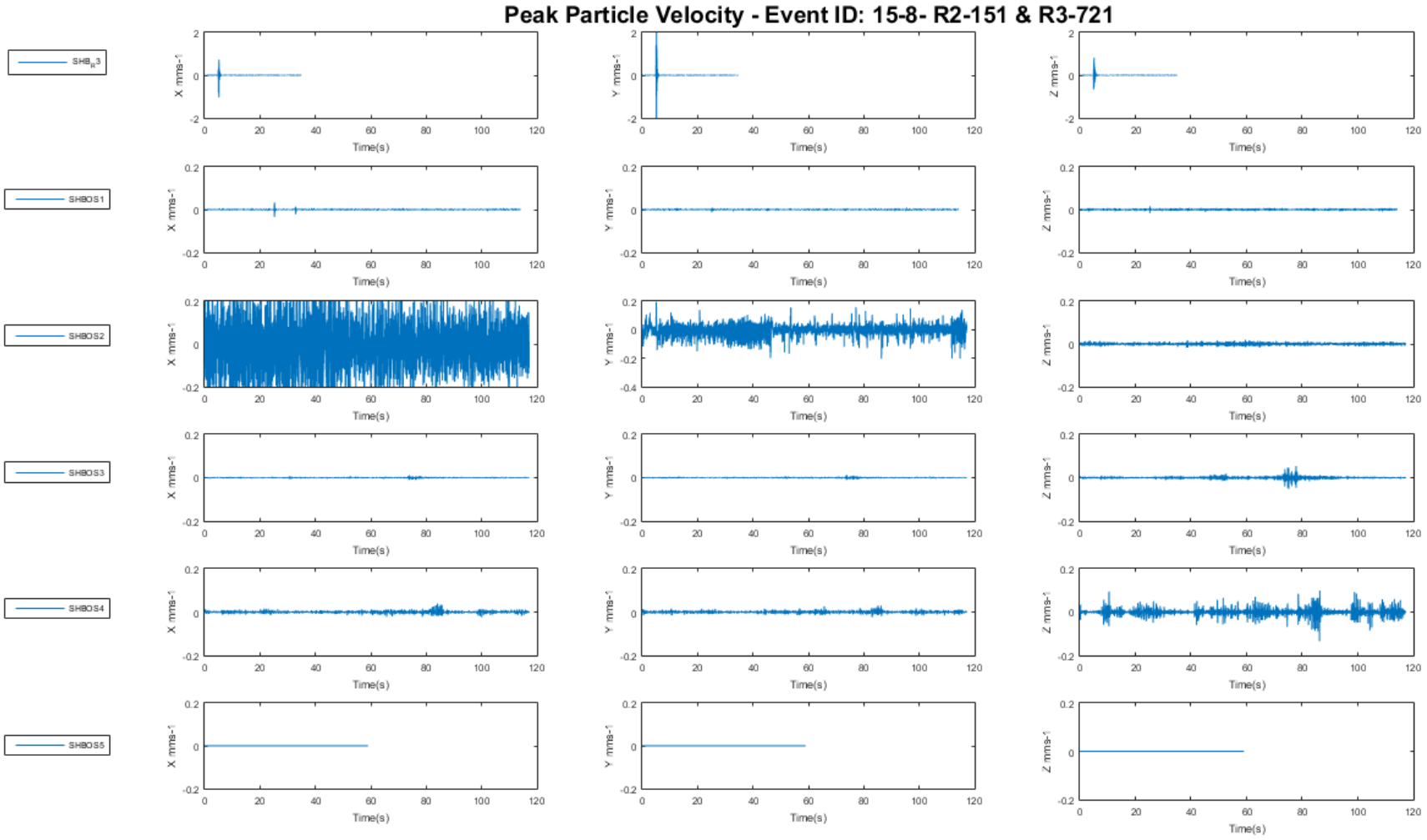


FIGURE 3.1030: SHB_OS 1 - 5 15-8- R2-151 & R3-721

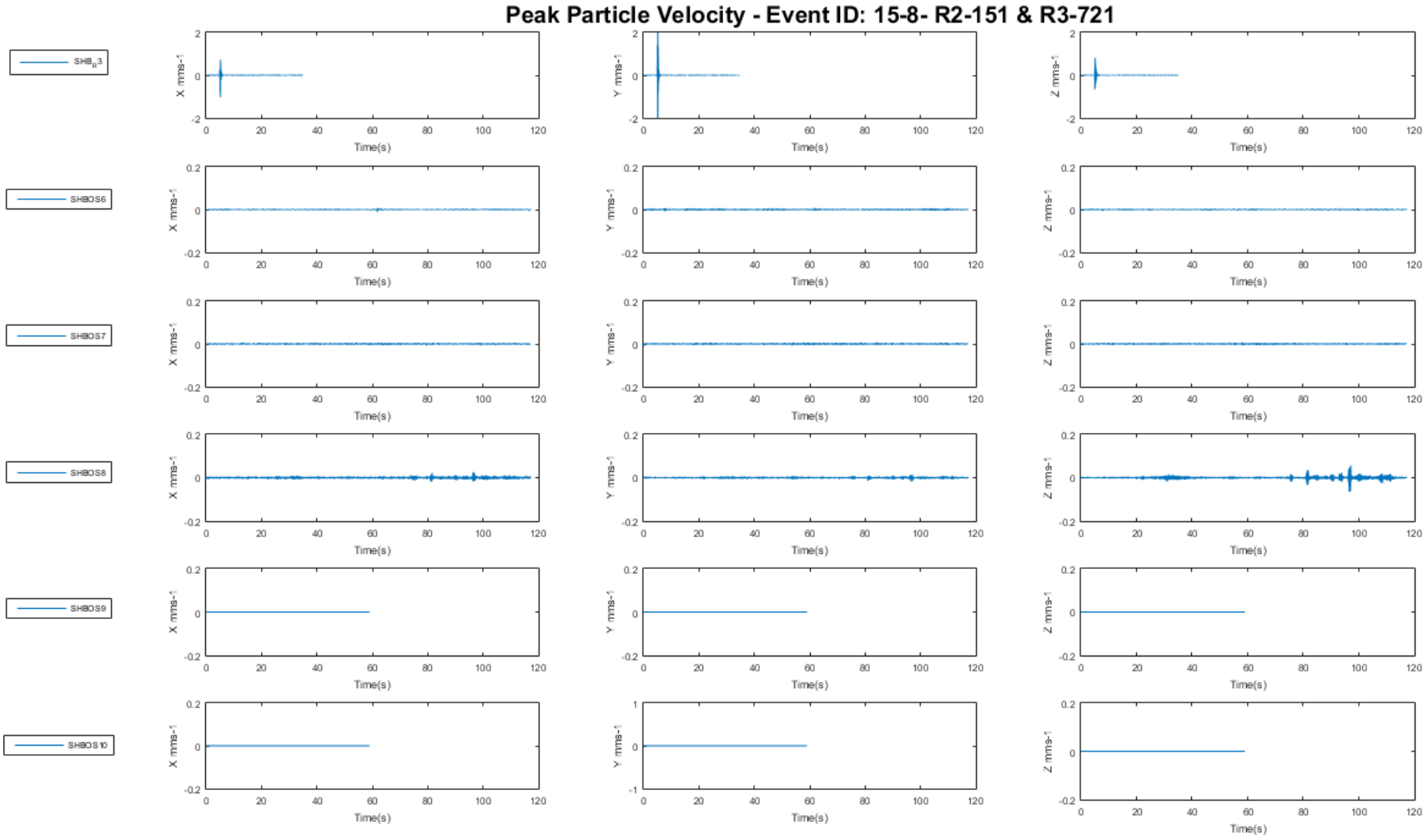


FIGURE 3.1031: SHB_OS 6 - 10 15-8- R2-151 & R3-721

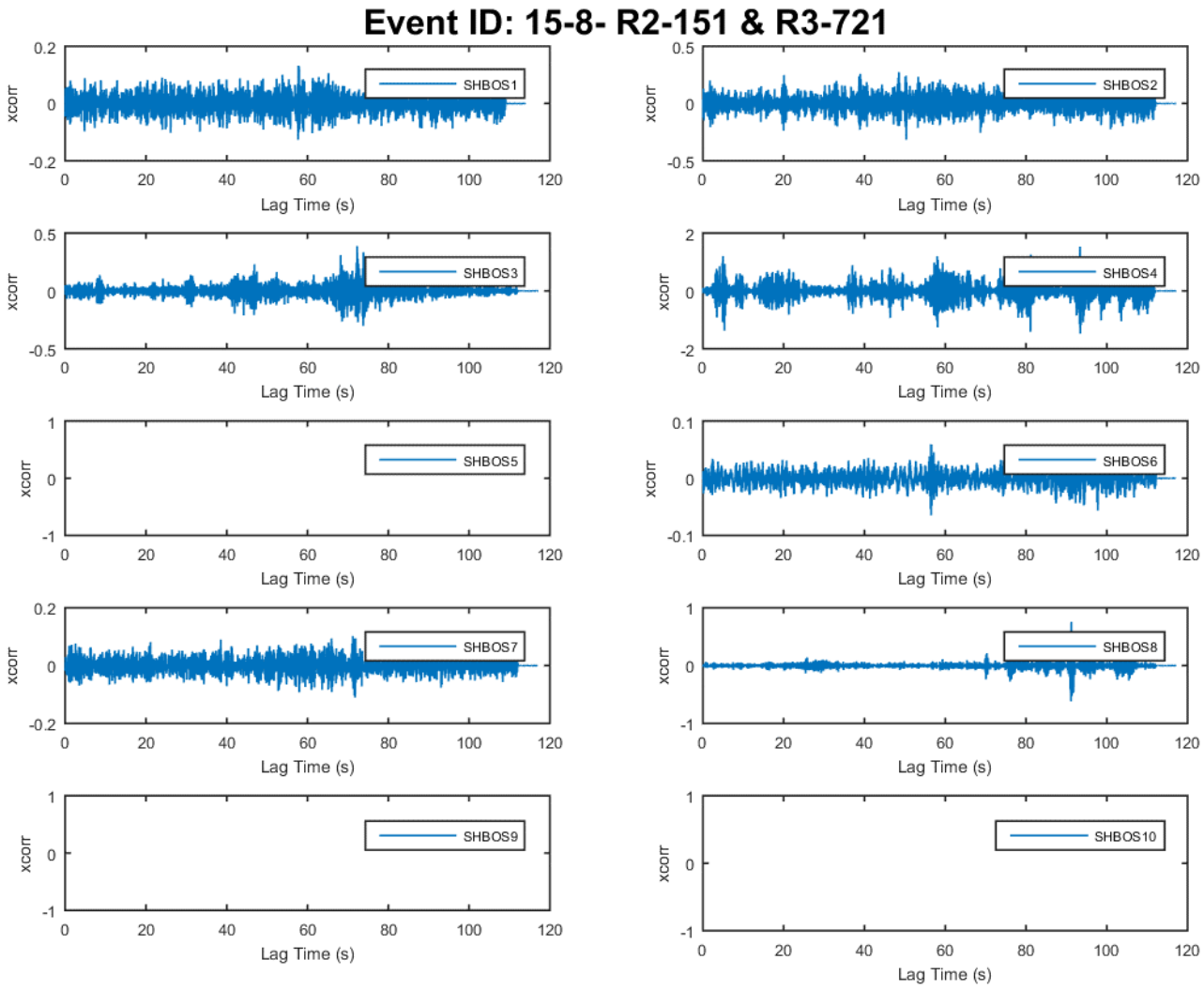


FIGURE 3.1032: CROSS CORRELATION SHB_OS 1 - 10 15-8- R2-151 & R3-721

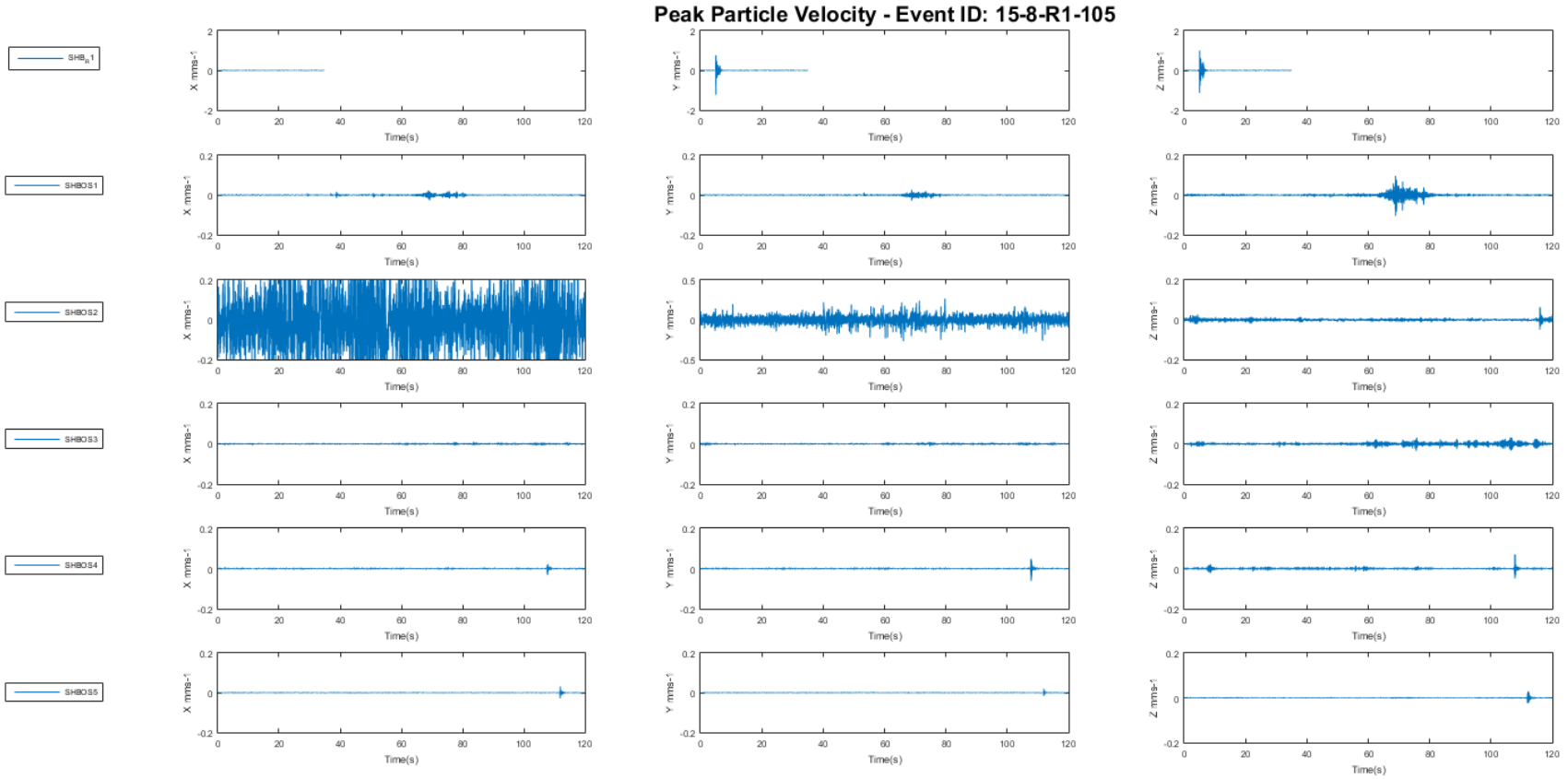
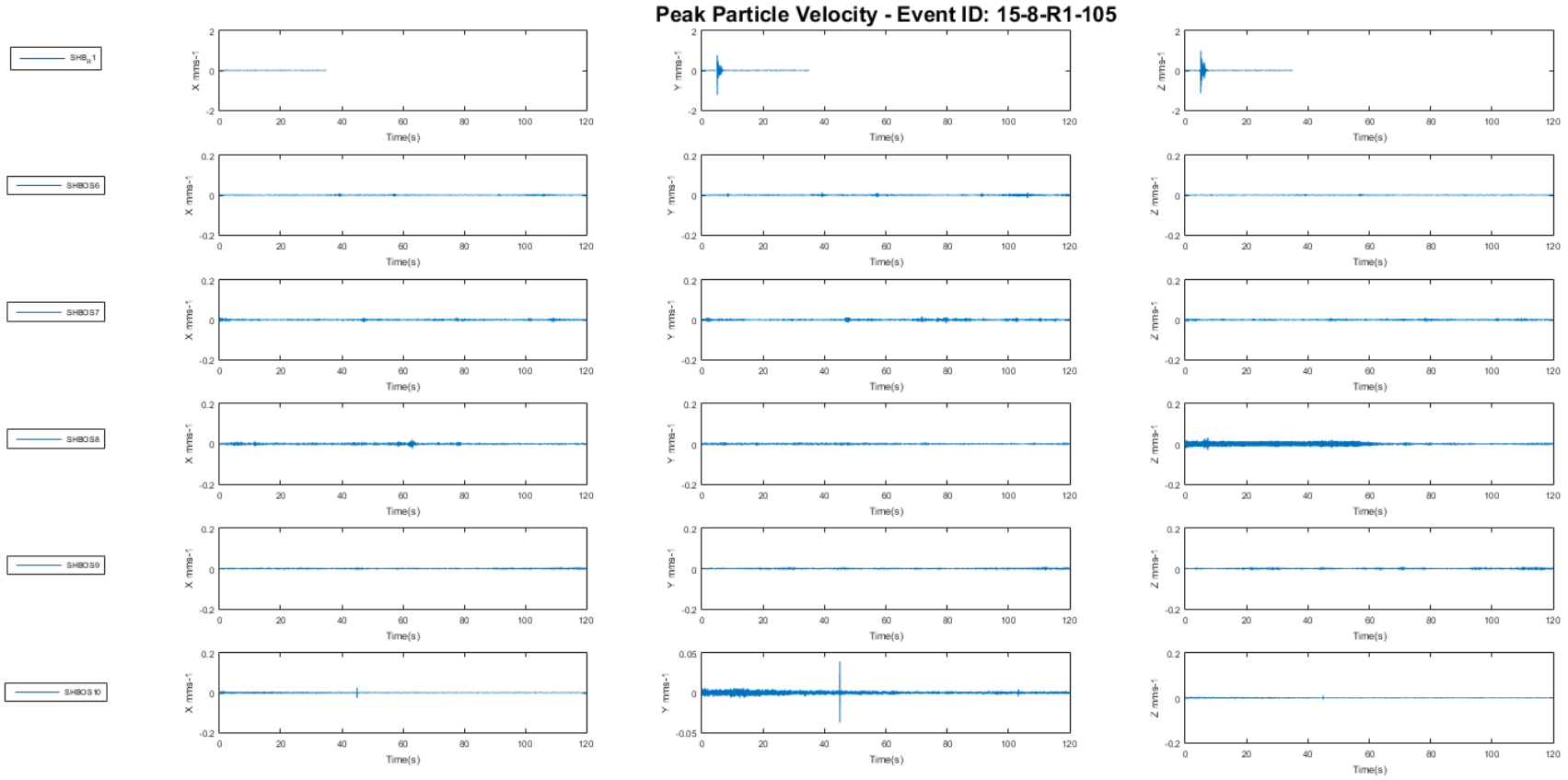


FIGURE 3.1033: SHB_OS 1 - 5 15-8-R1-105

FIGURE 3.1034: SHB_OS 6 - 10 15-8-R1-105



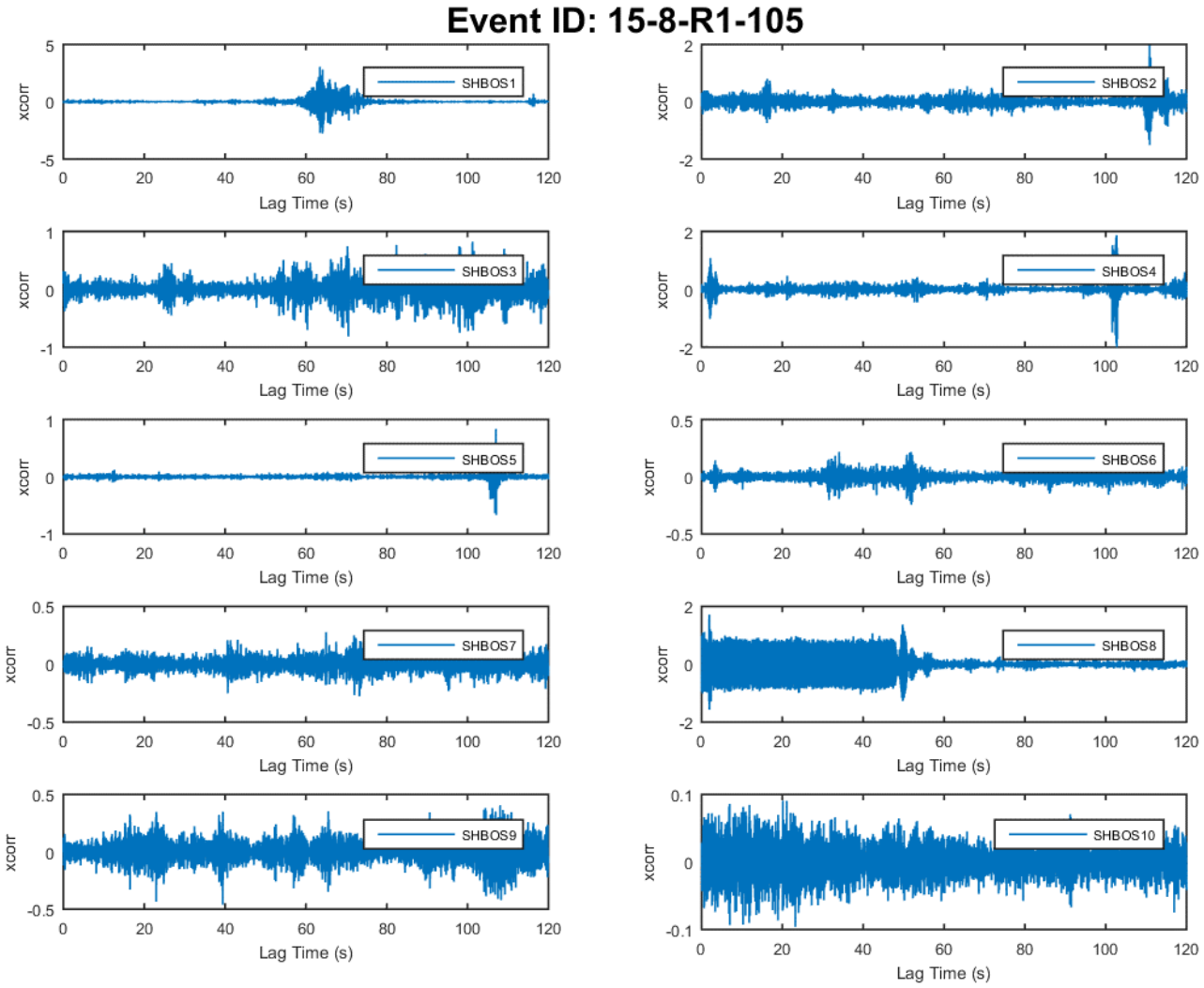


FIGURE 3.1035: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-105

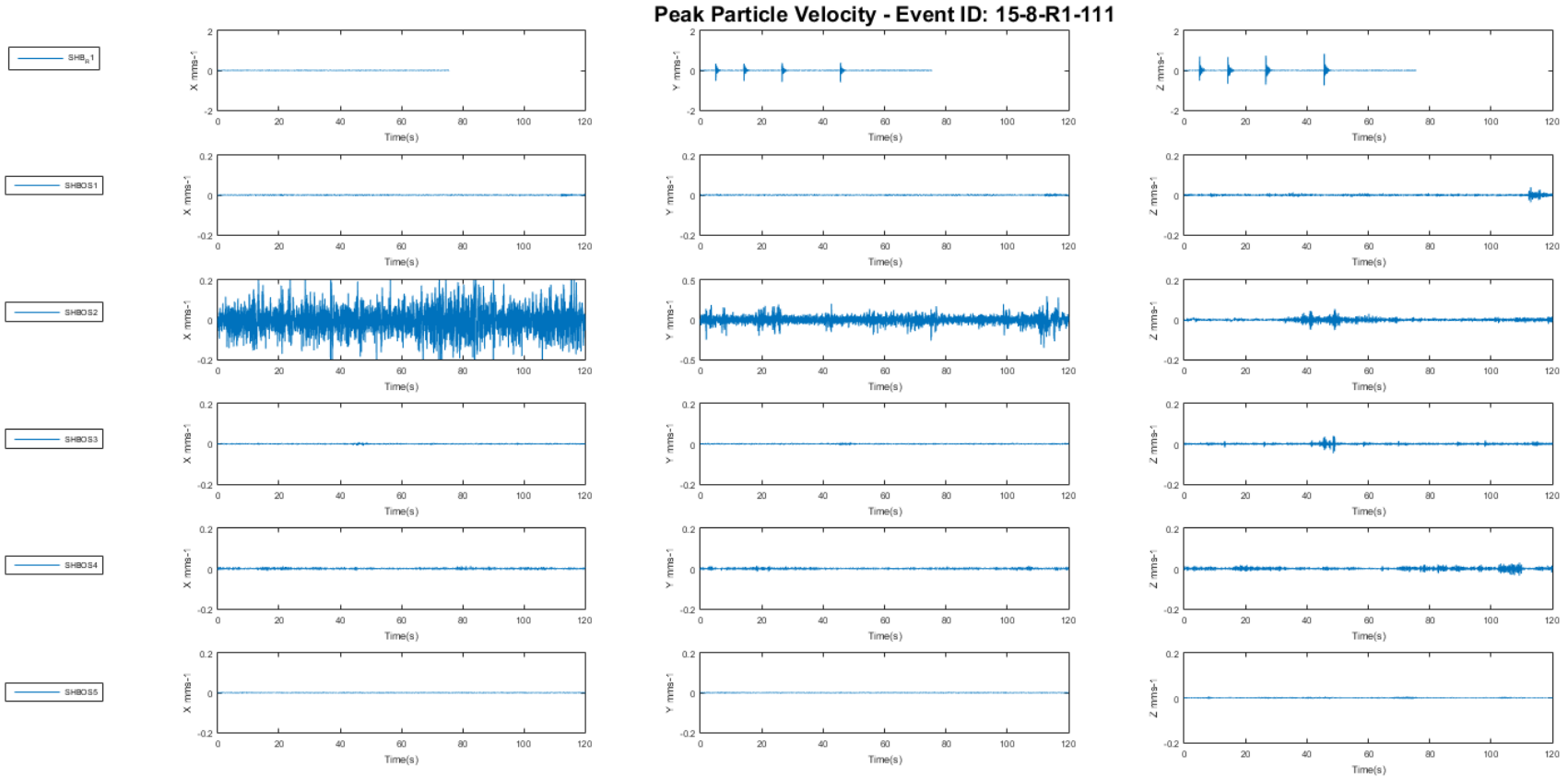
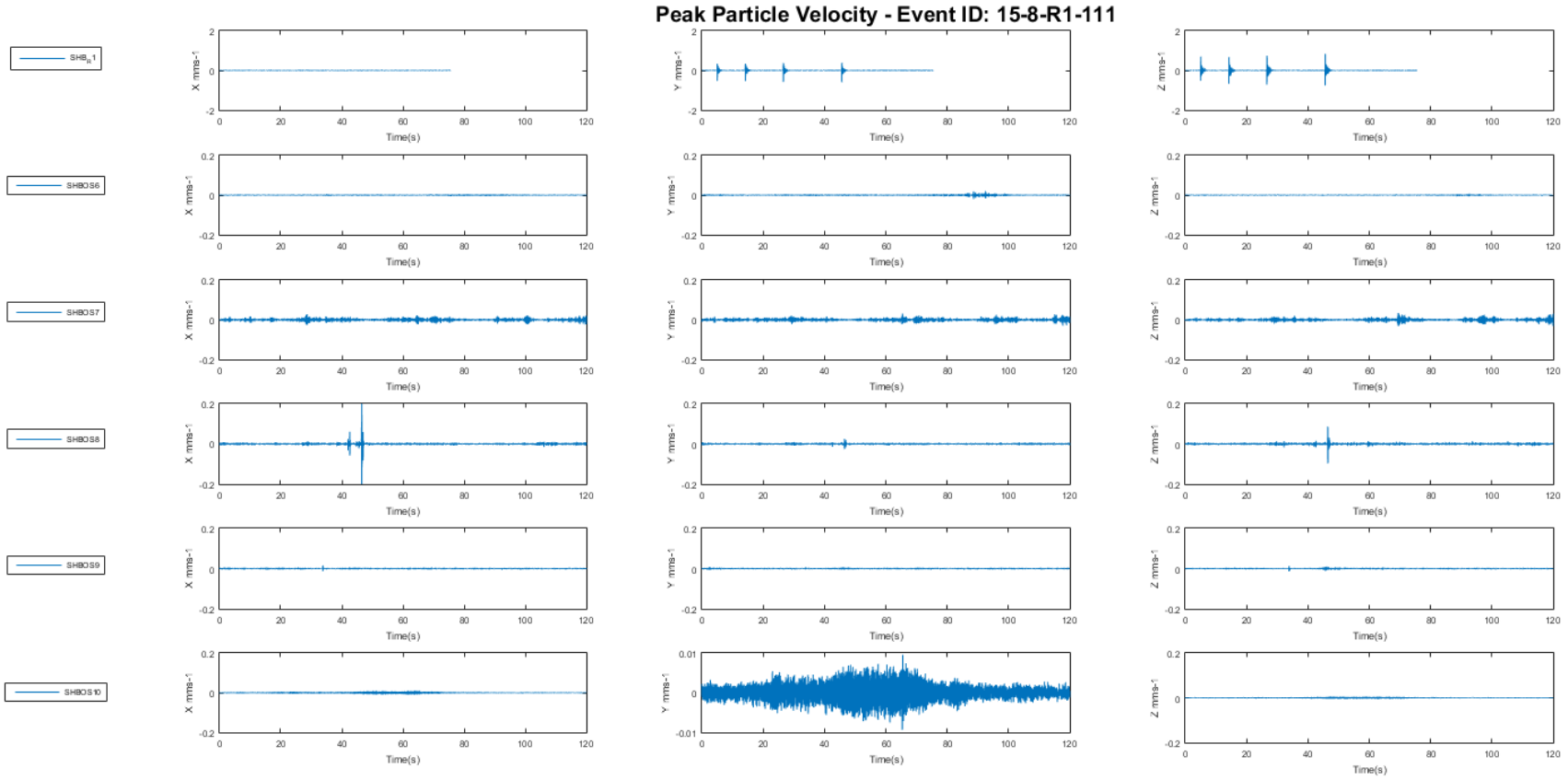


FIGURE 3.1036: SHB_OS 1 - 5 15-8-R1-111

FIGURE 3.1037: SHB_OS 6 - 10 15-8-R1-111



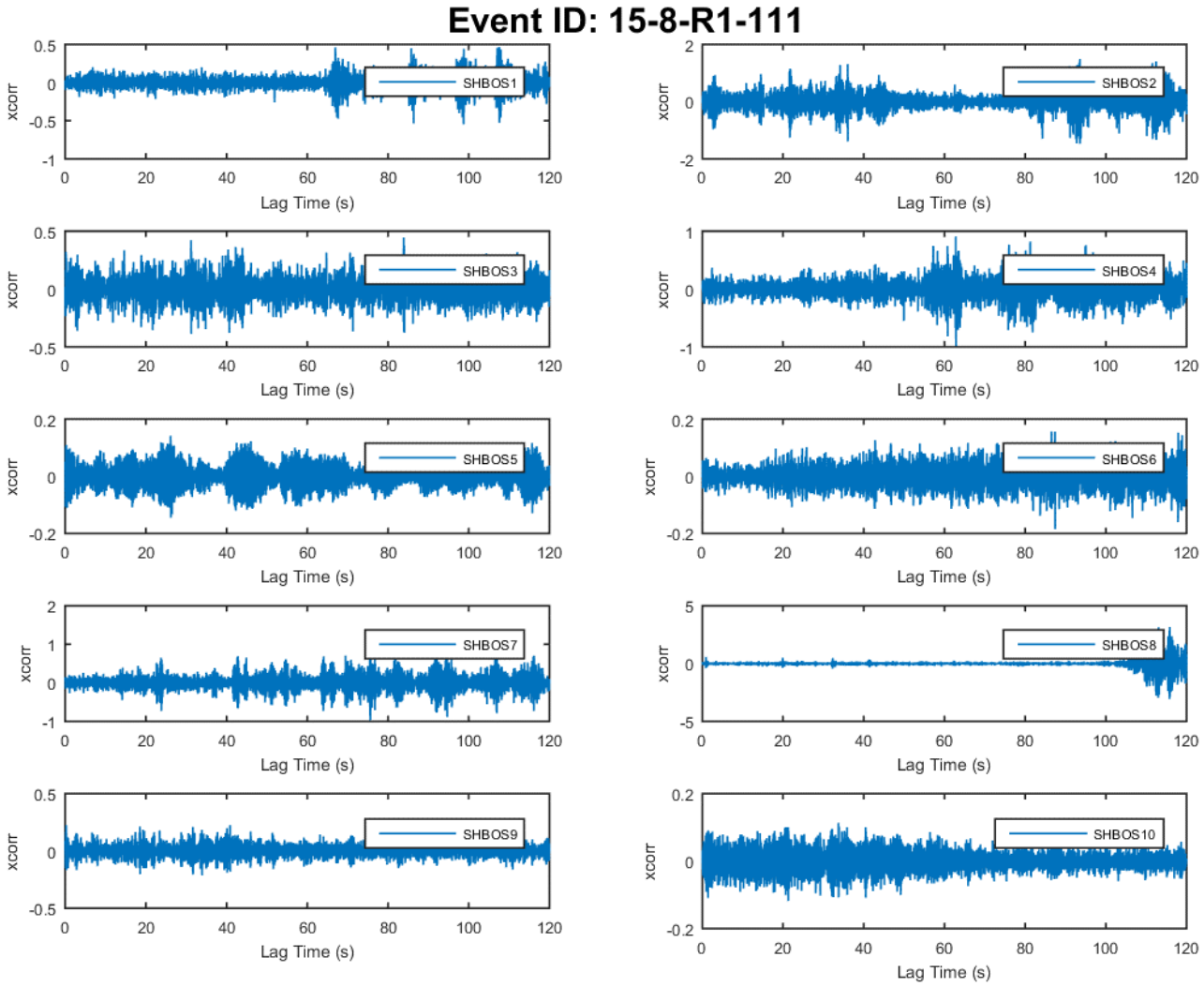


FIGURE 3.1038: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-111

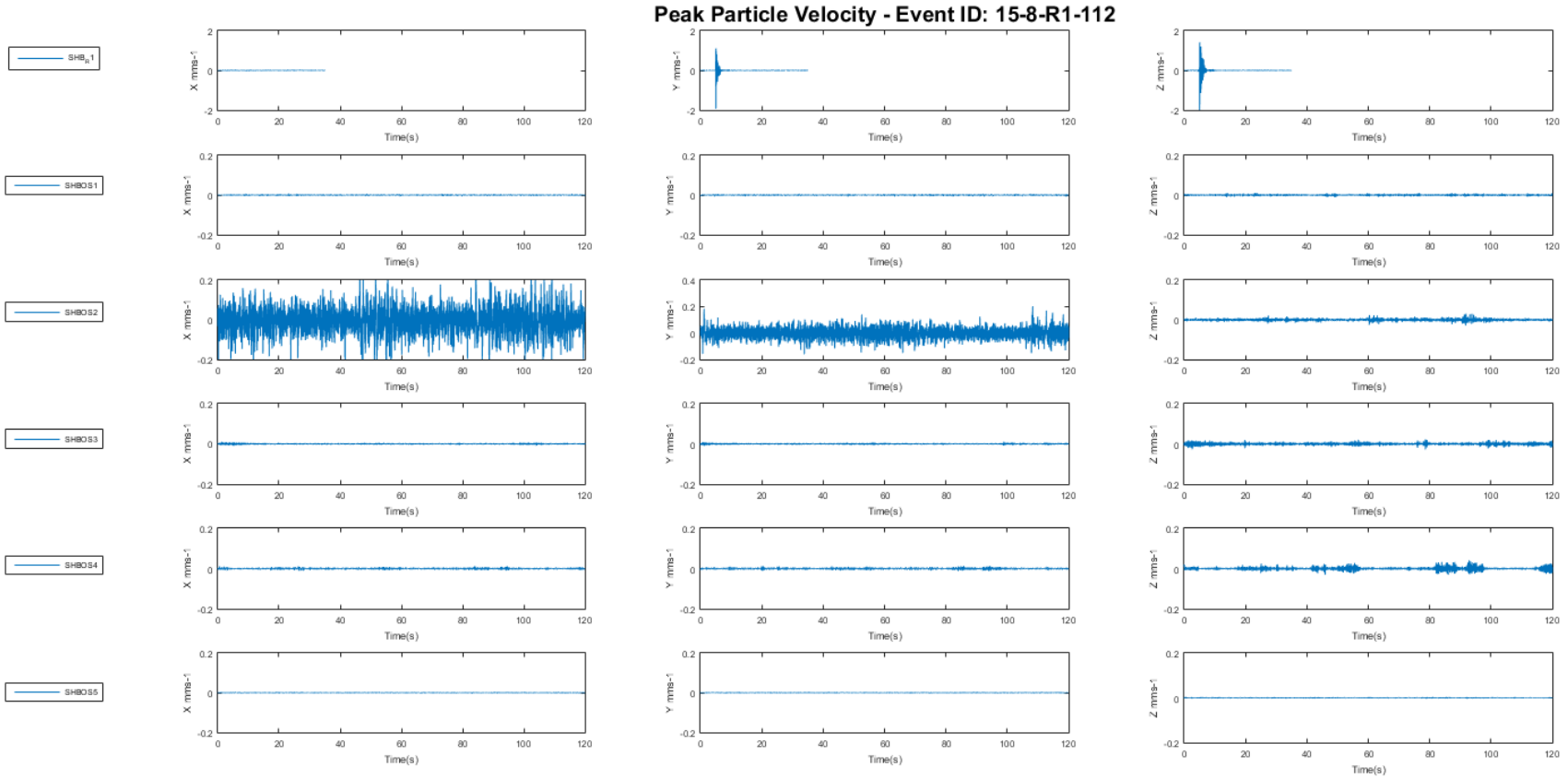
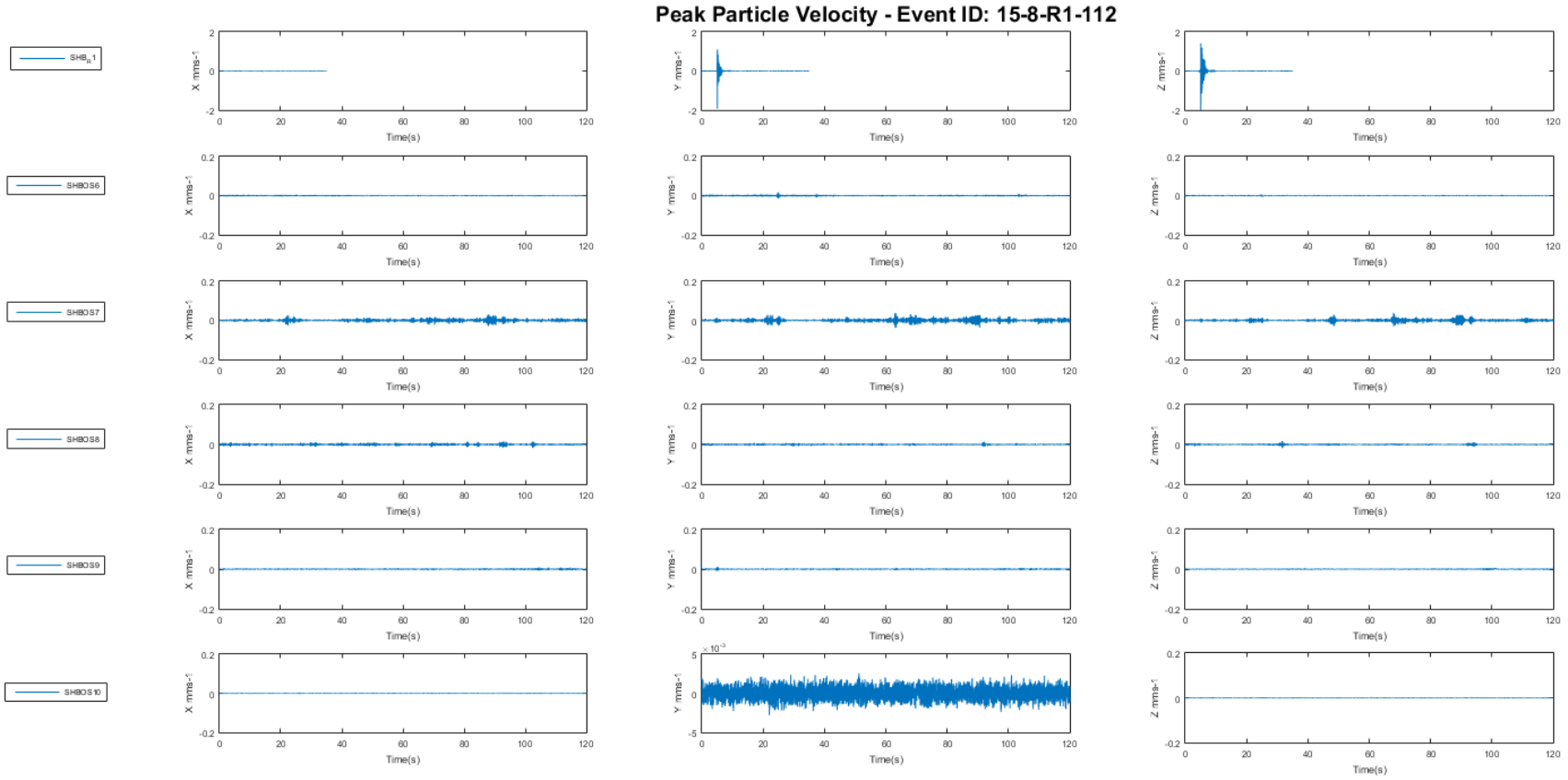


FIGURE 3.1039: SHB_OS 1 - 5 15-8-R1-112

FIGURE 3.1040: SHB_OS 6 - 10 15-8-R1-112



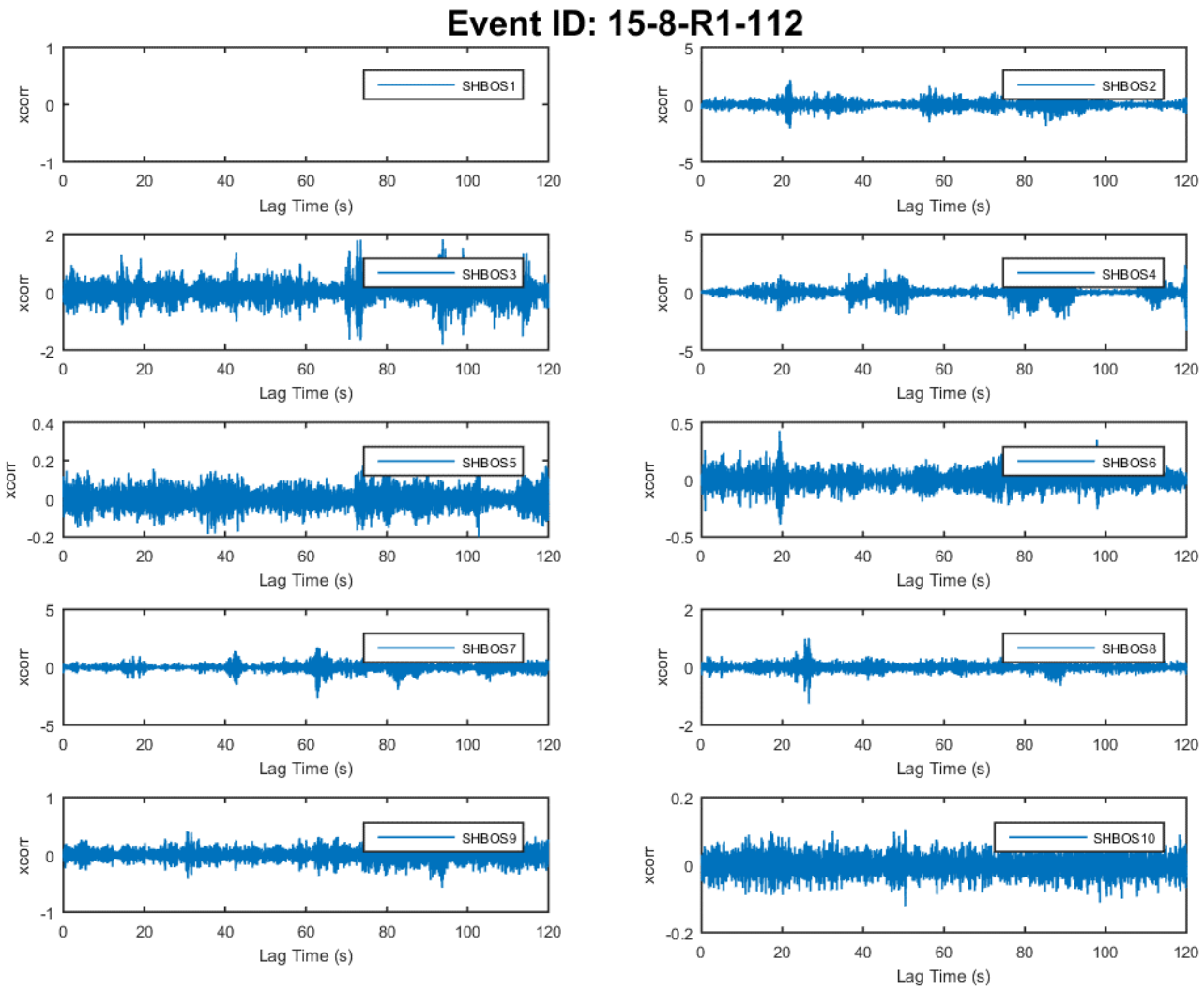


FIGURE 3.1041: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-112

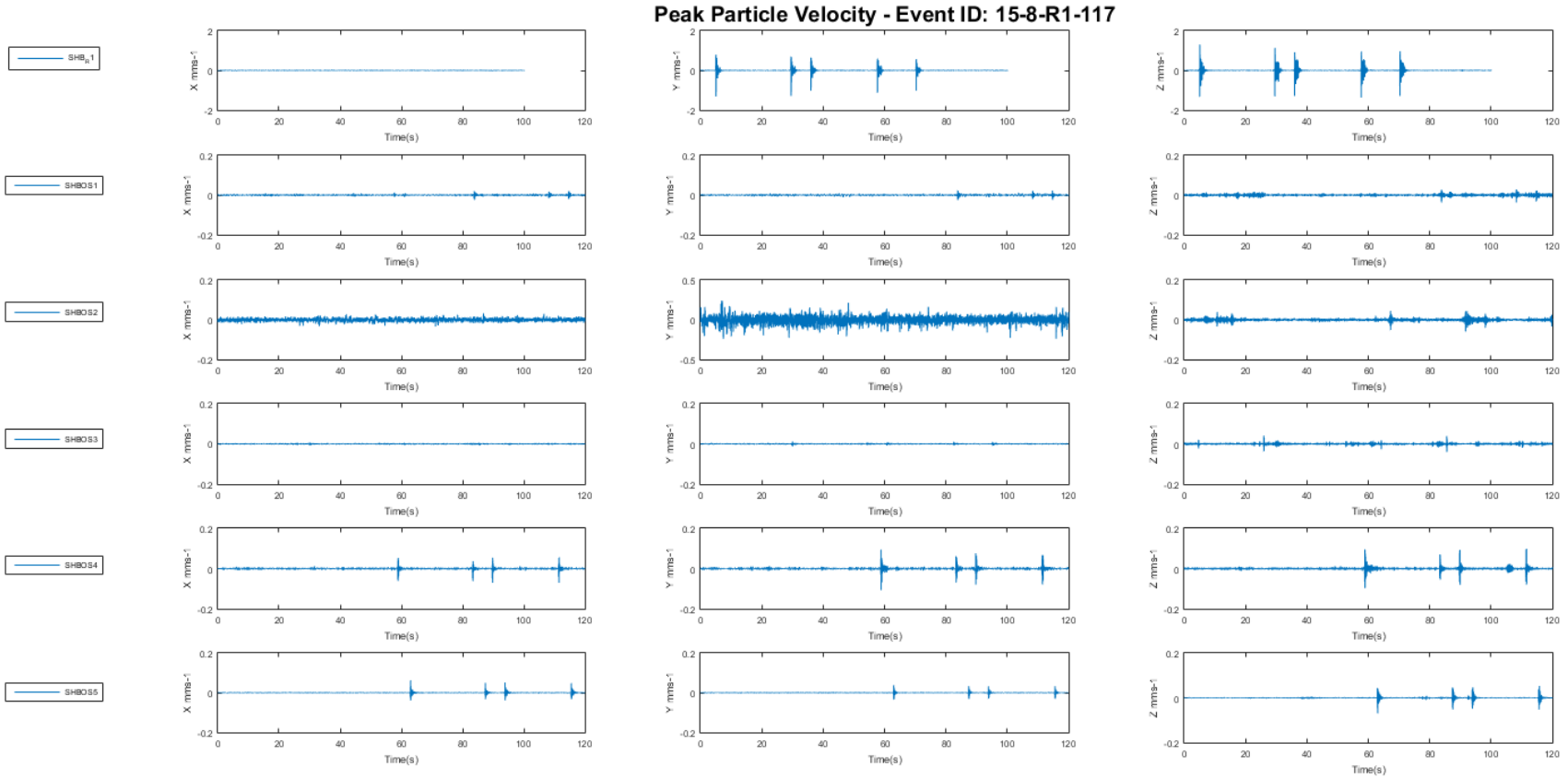
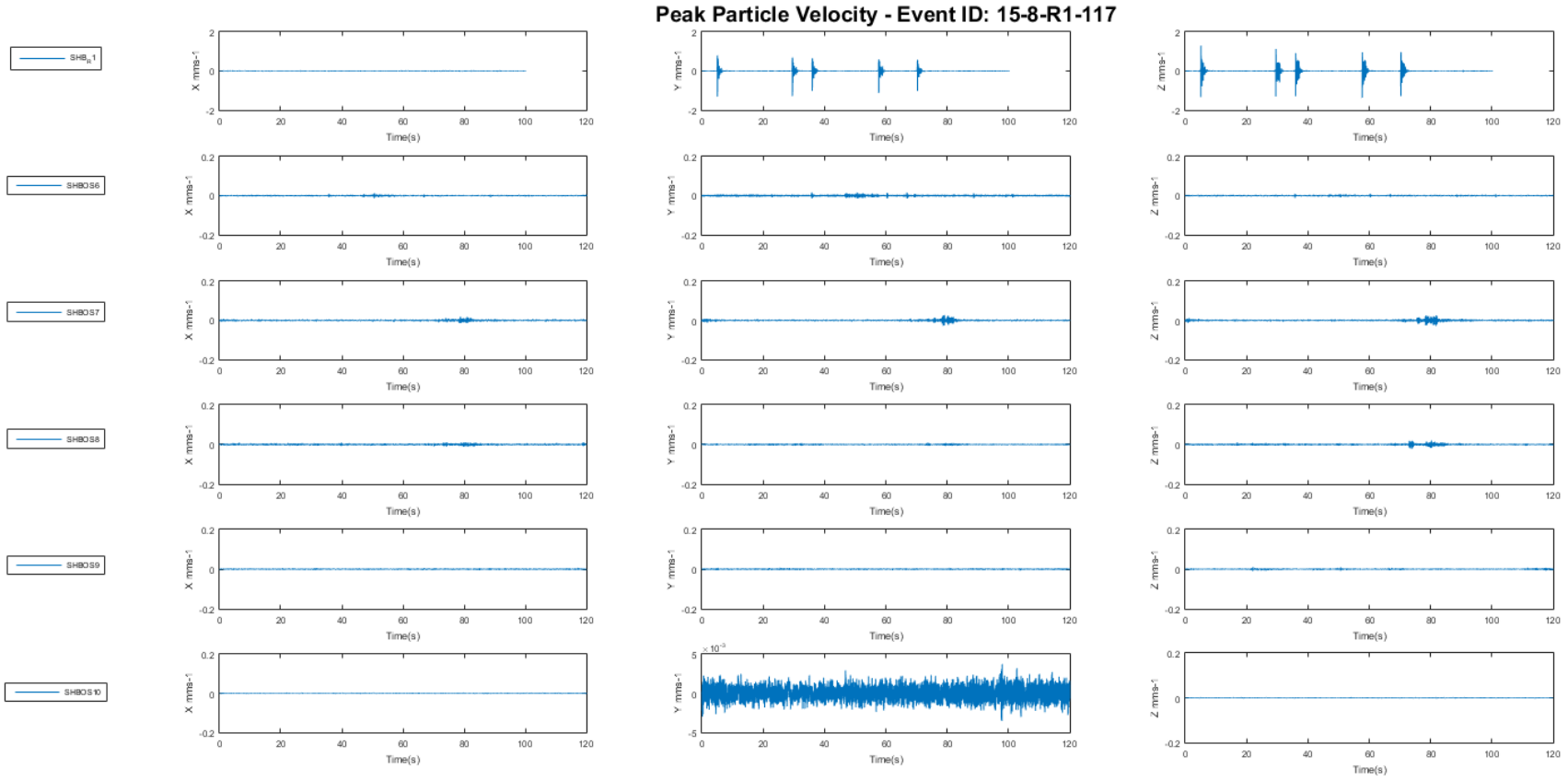


FIGURE 3.1042: SHB_OS 1 - 5 15-8-R1-117

FIGURE 3.1043: SHB_OS 6 - 10 15-8-R1-117



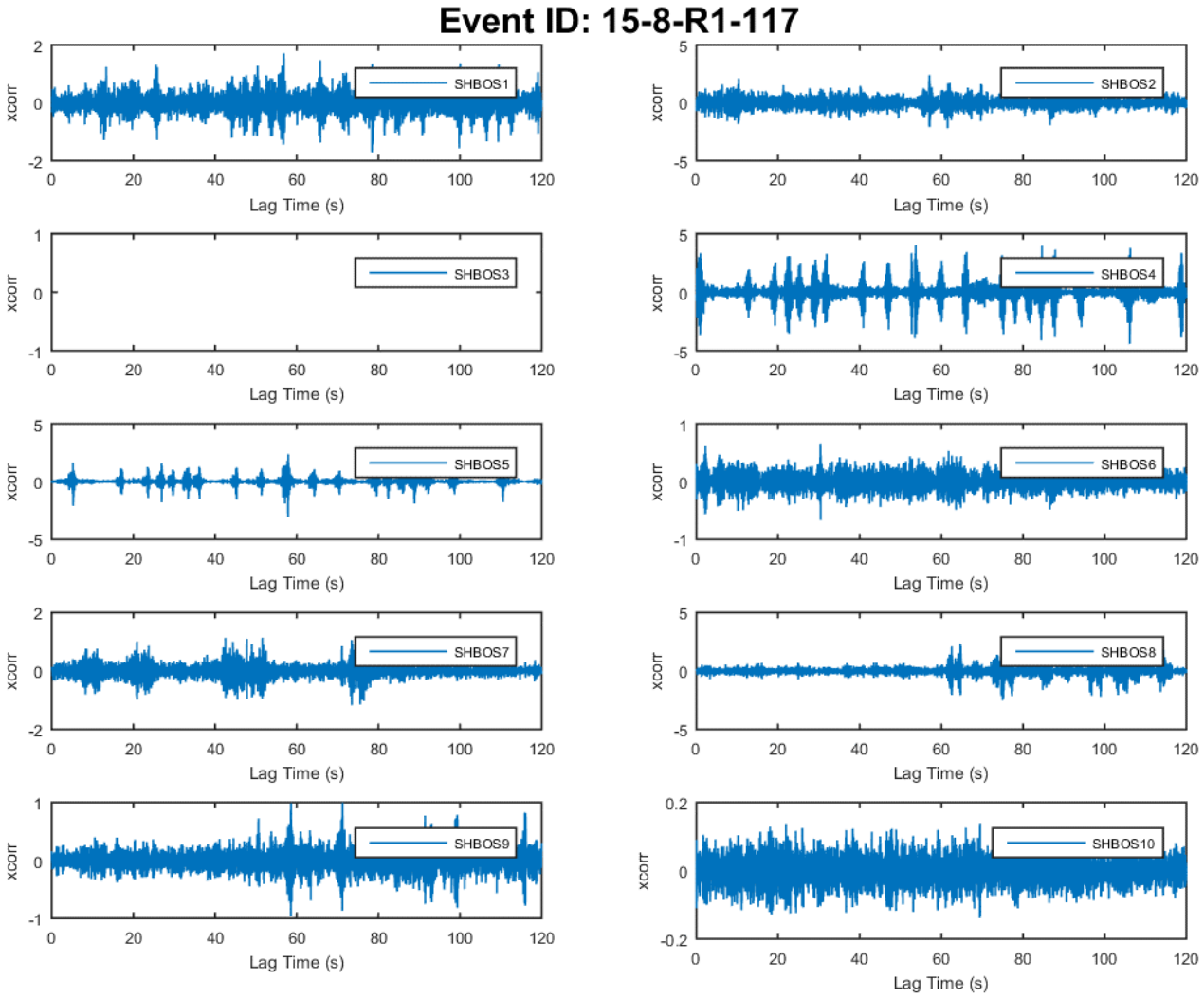


FIGURE 3.1044: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-117

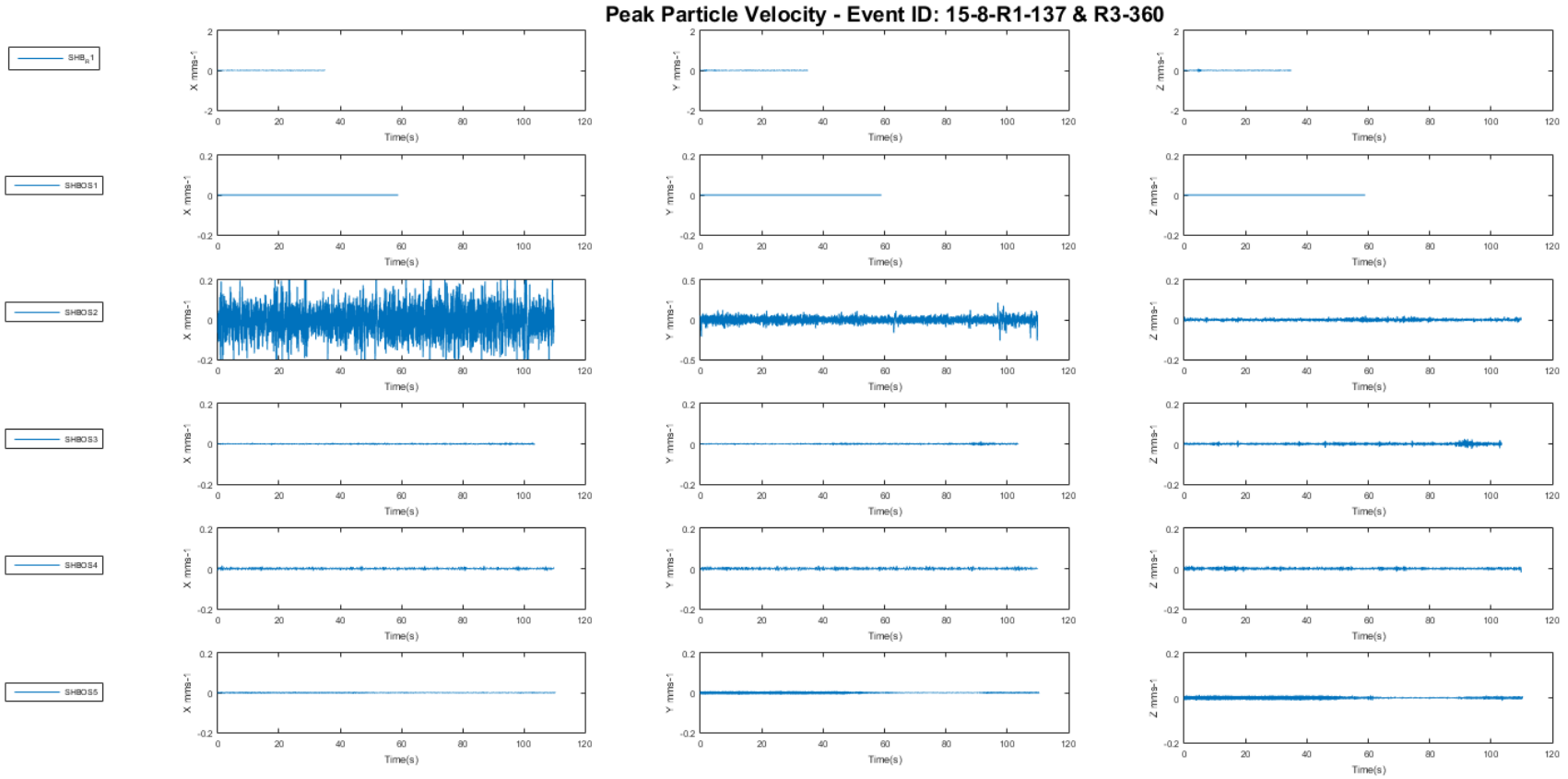
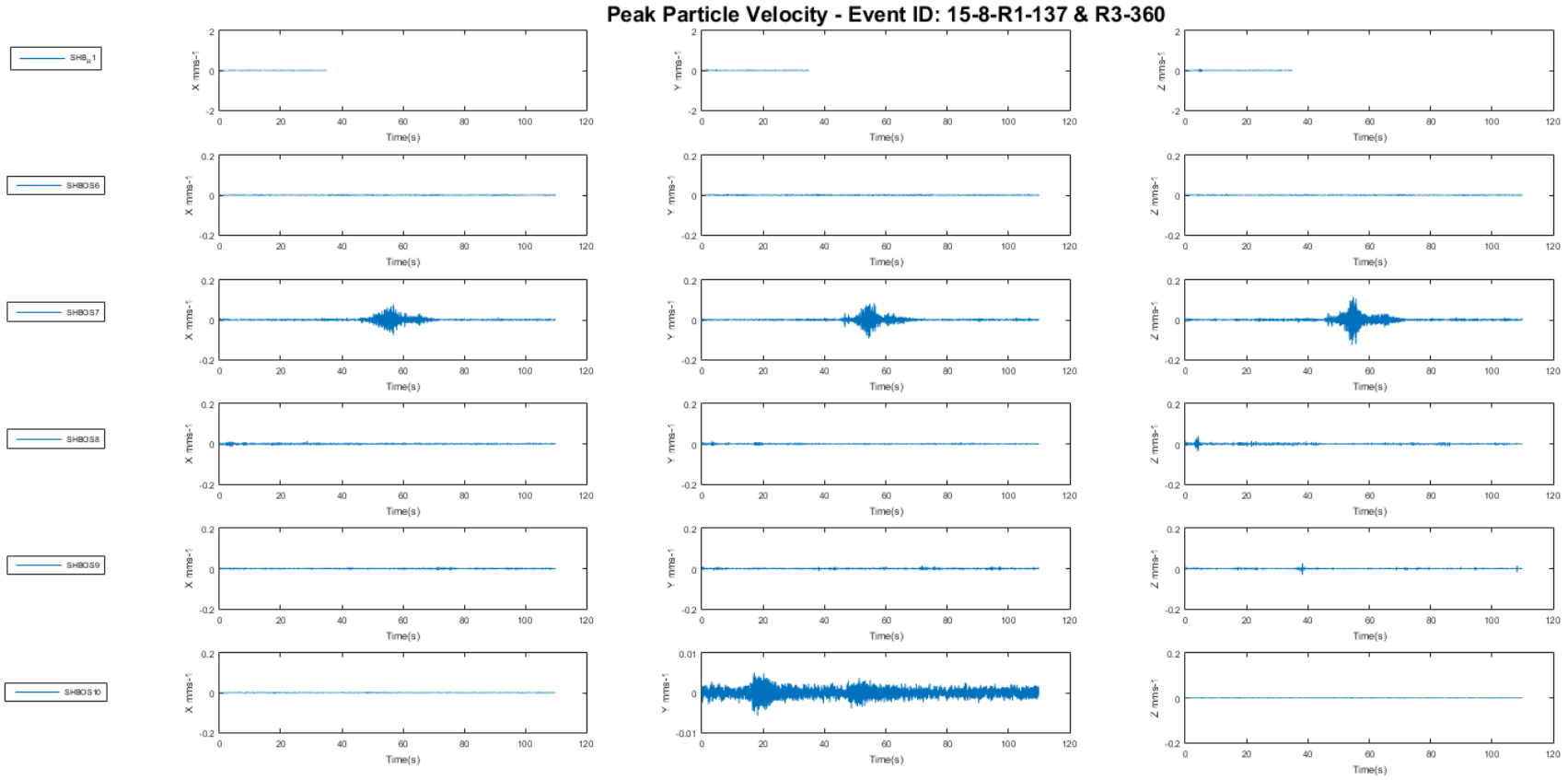


FIGURE 3.1045: SHB_OS 1 - 5 15-8-R1-137 & R3-360

FIGURE 3.1046: SHB_OS 6 - 10 15-8-R1-137 & R3-360



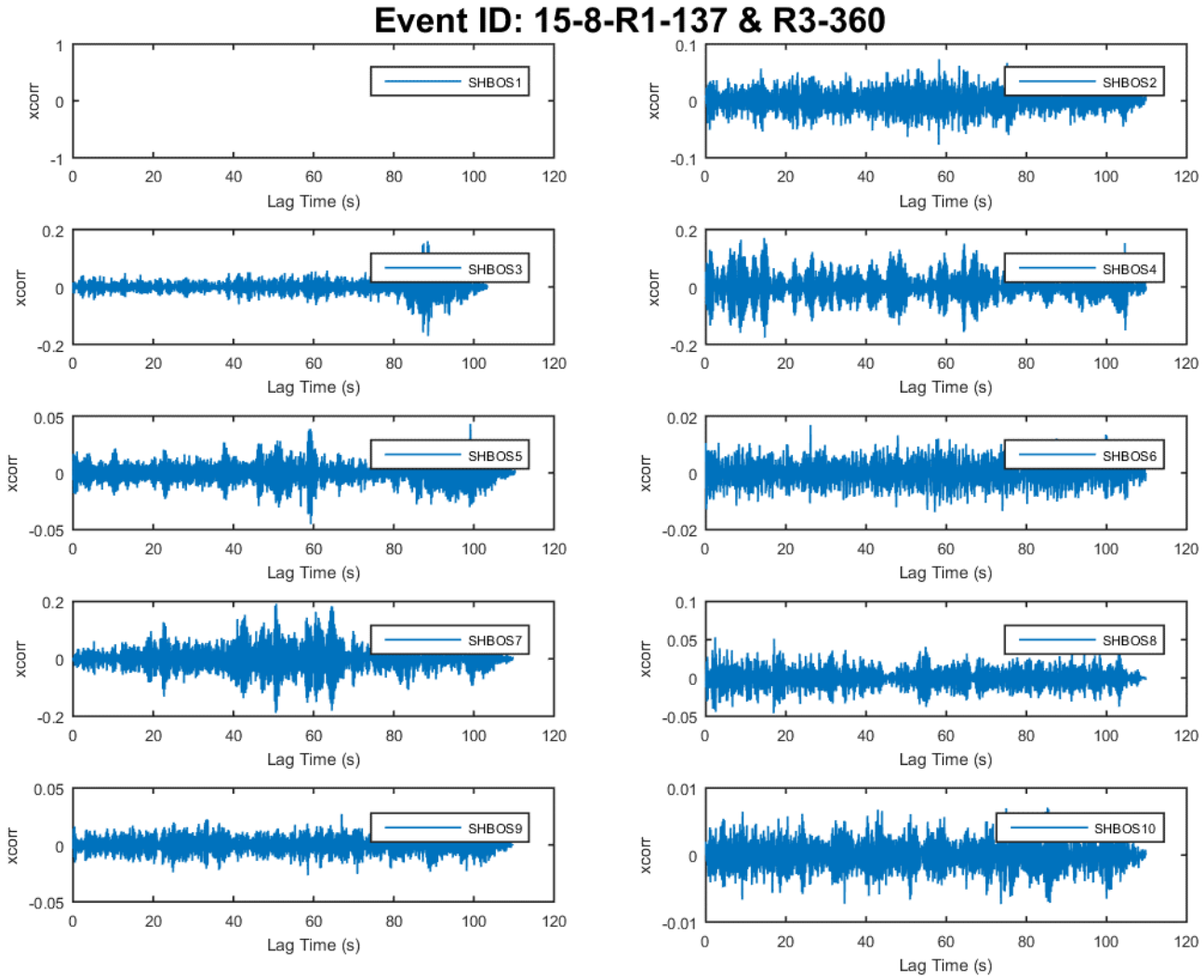


FIGURE 3.1047: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-137 & R3-360

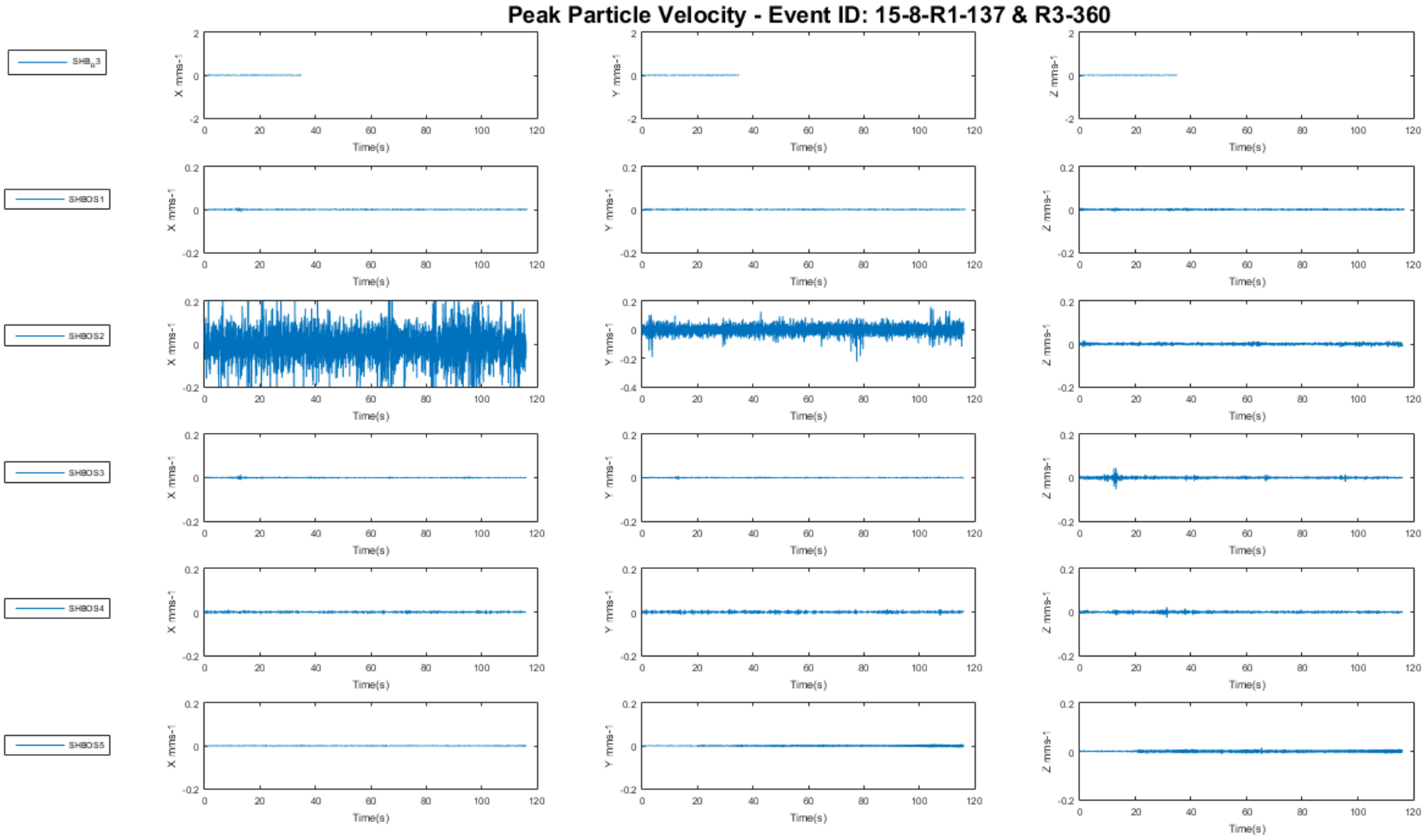


FIGURE 3.1048: SHB_OS 1 - 5 15-8-R1-137 & R3-360

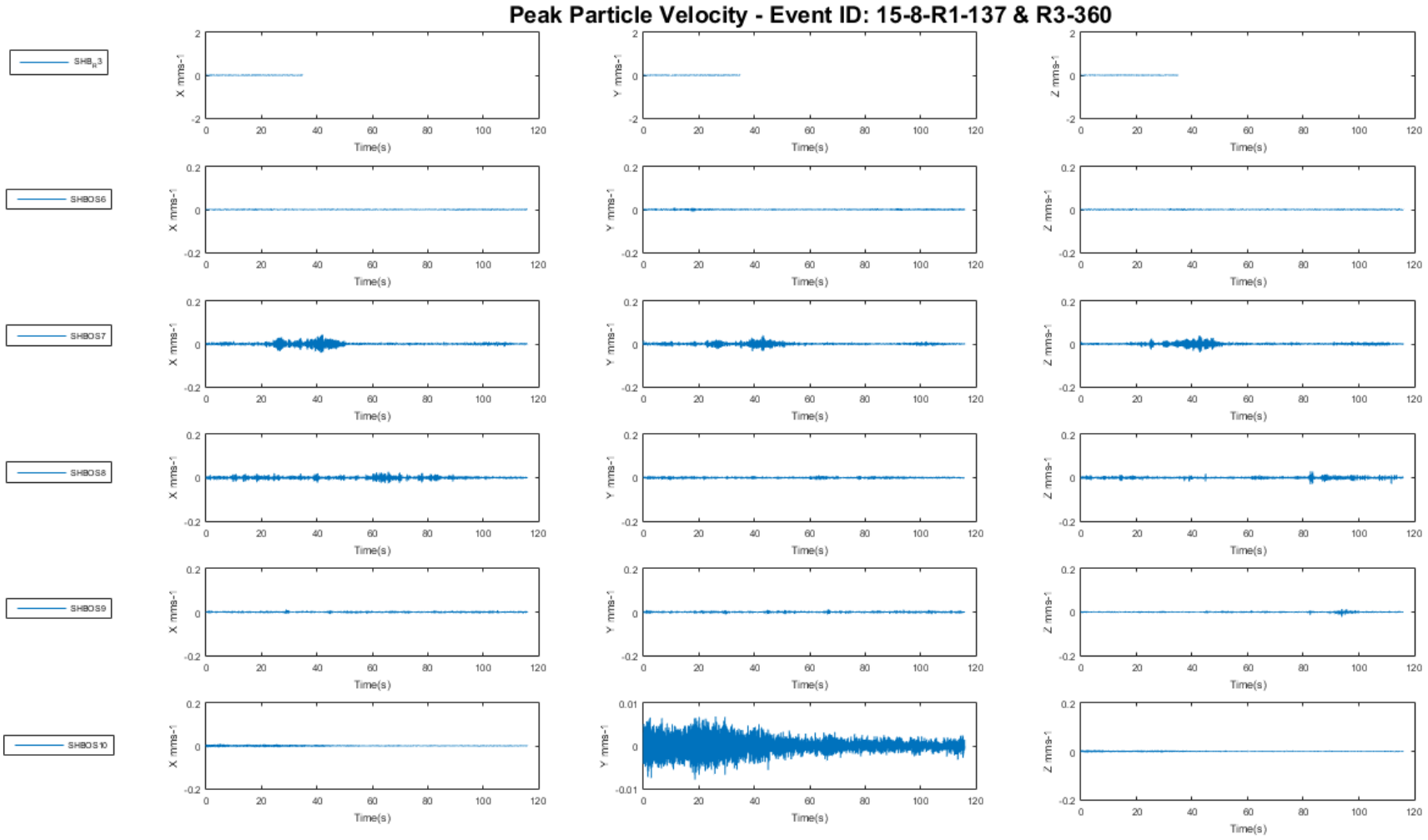


FIGURE 3.1049: SHB_OS 6 - 10 15-8-R1-137 & R3-360

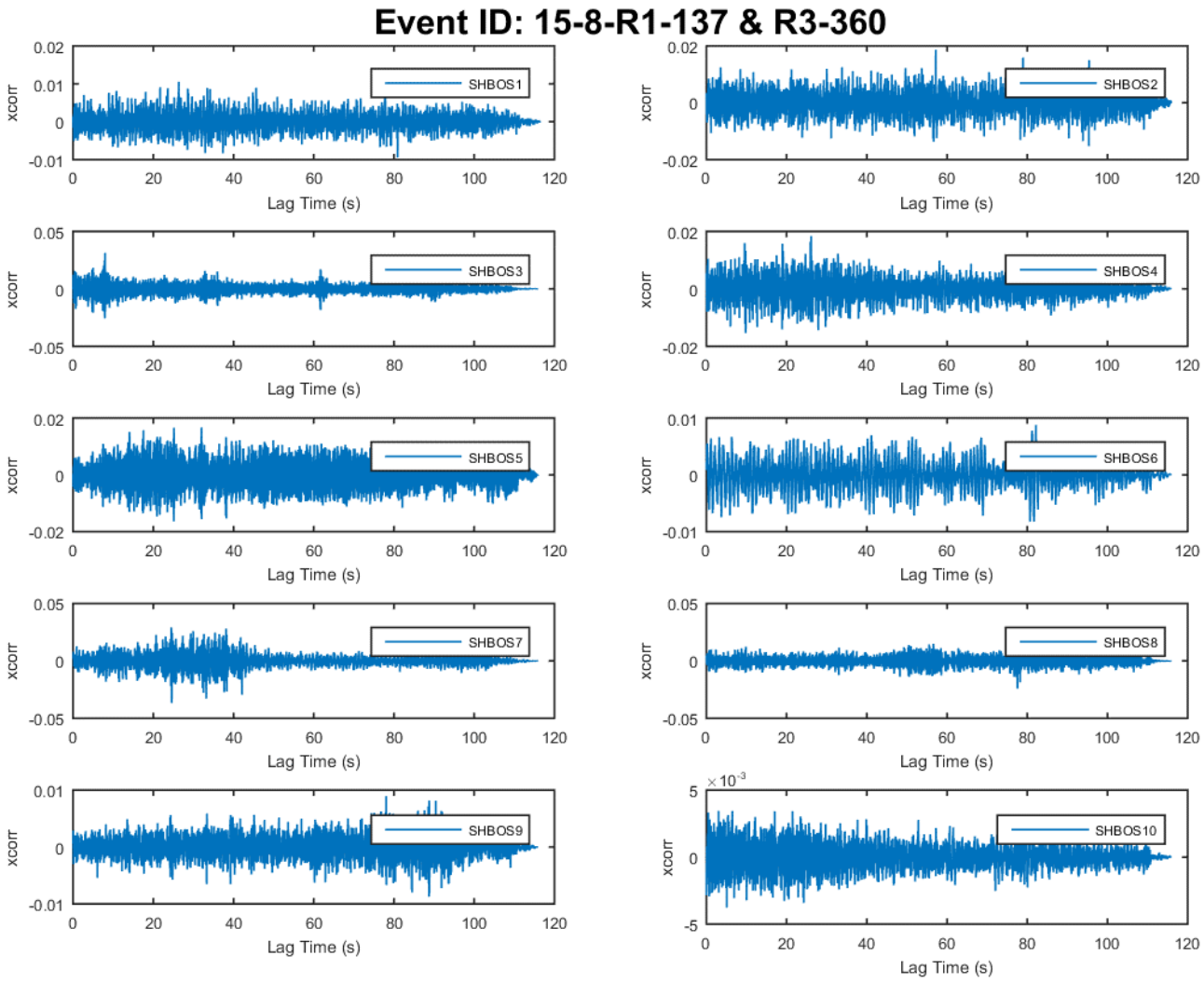


FIGURE 3.1050: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-137 & R3-360

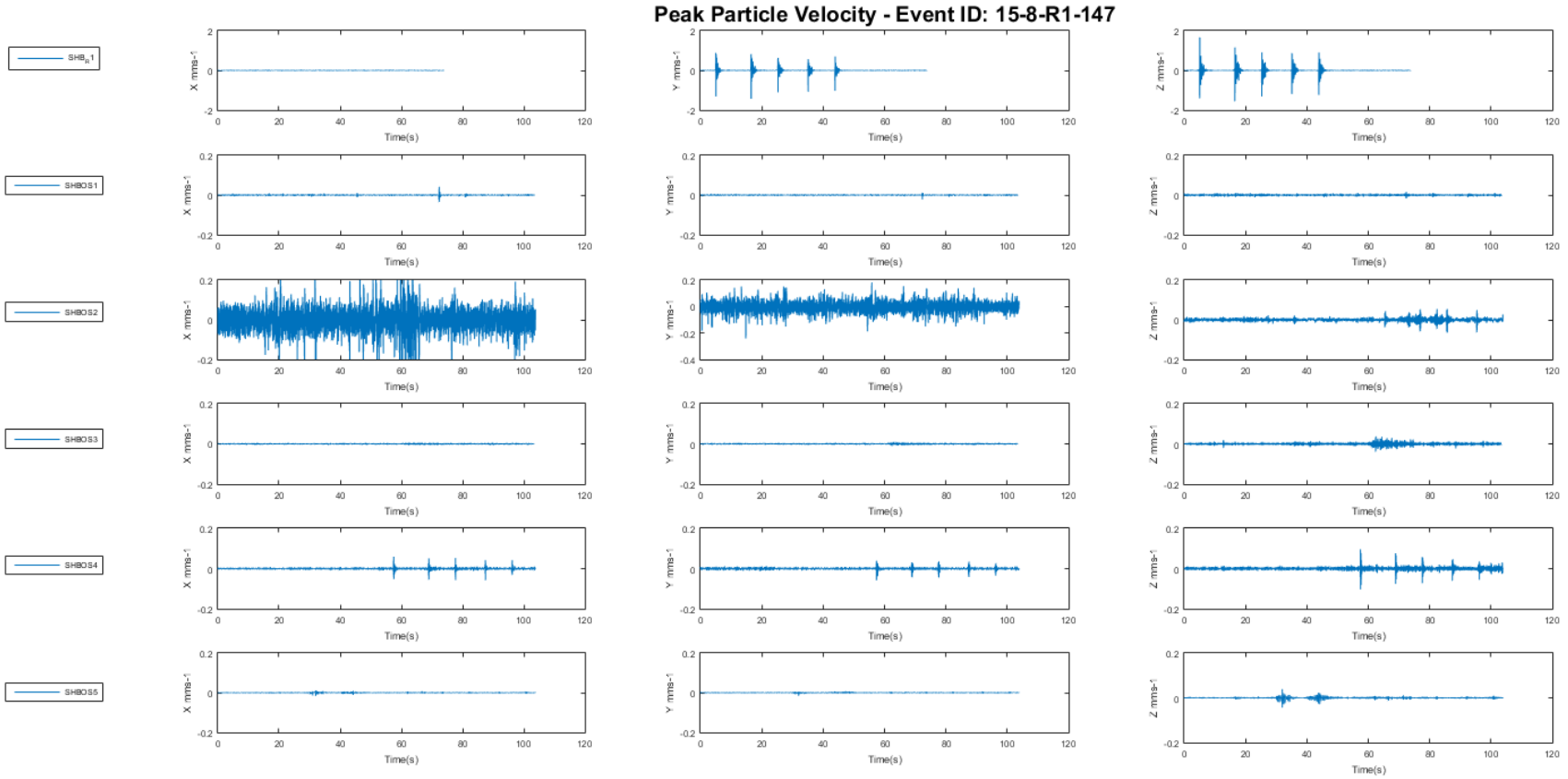
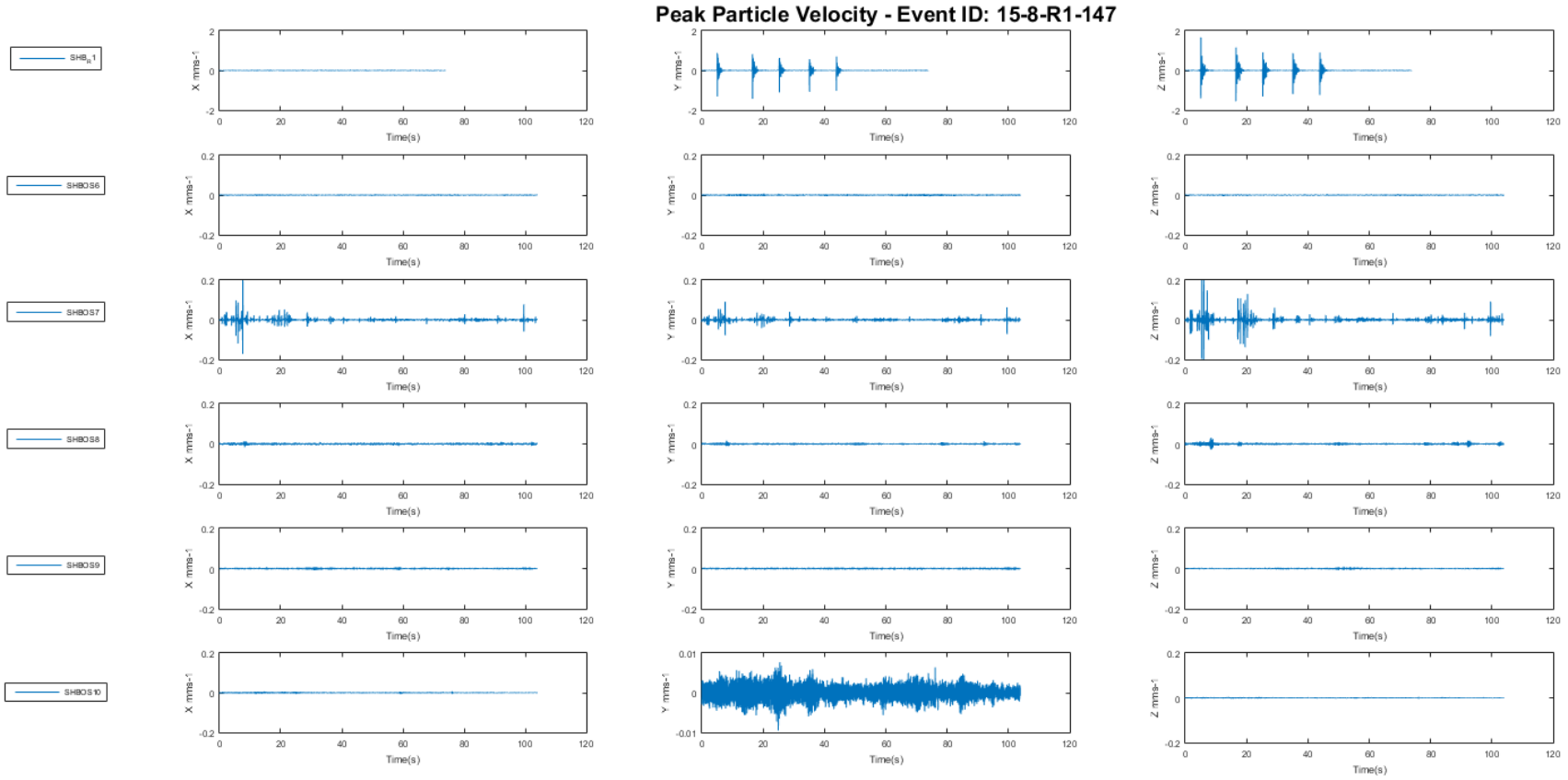


FIGURE 3.1051: SHB_OS 1 - 5 15-8-R1-147

FIGURE 3.1052: SHB_OS 6 - 10 15-8-R1-147



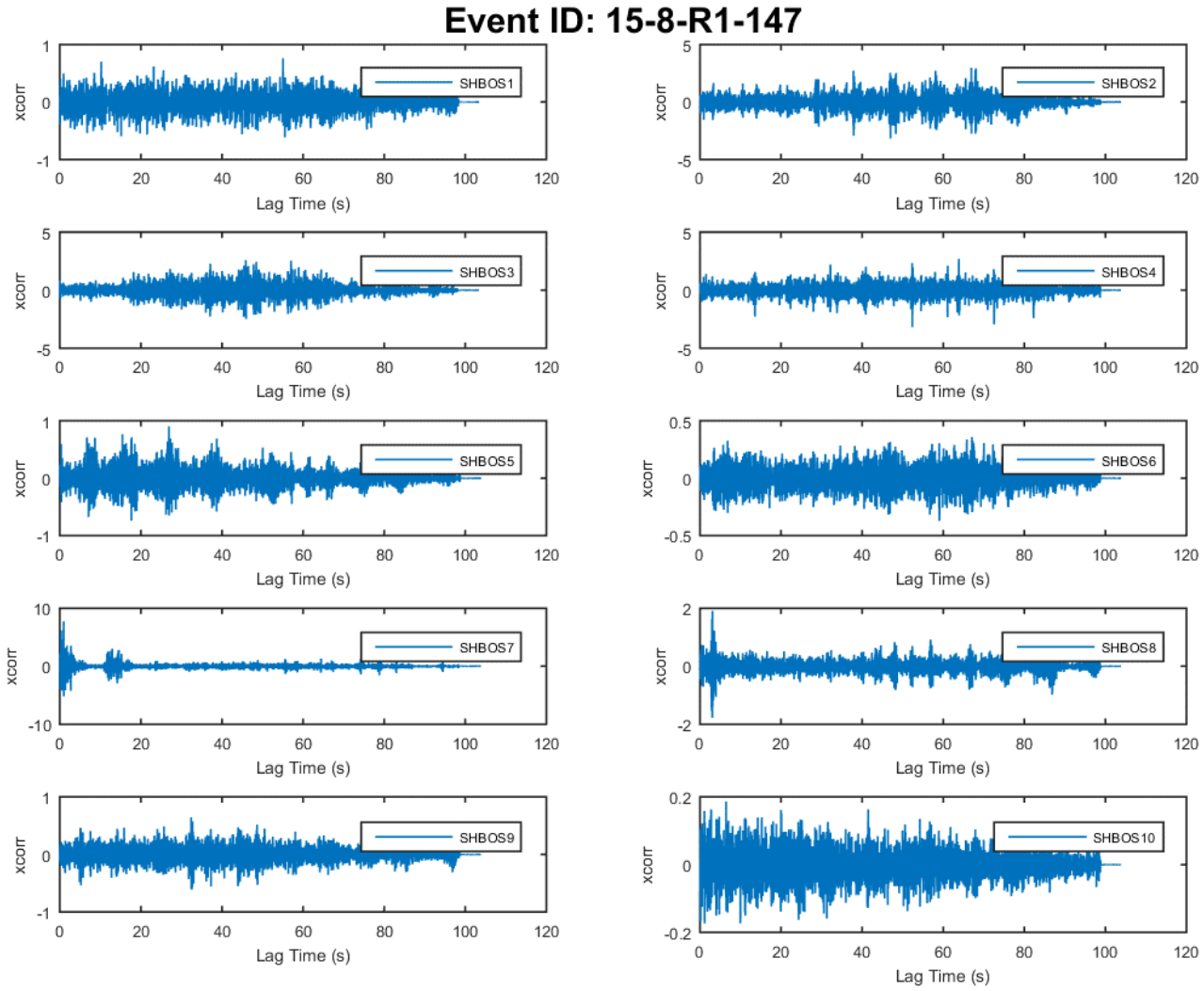


FIGURE 3.1053: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-147

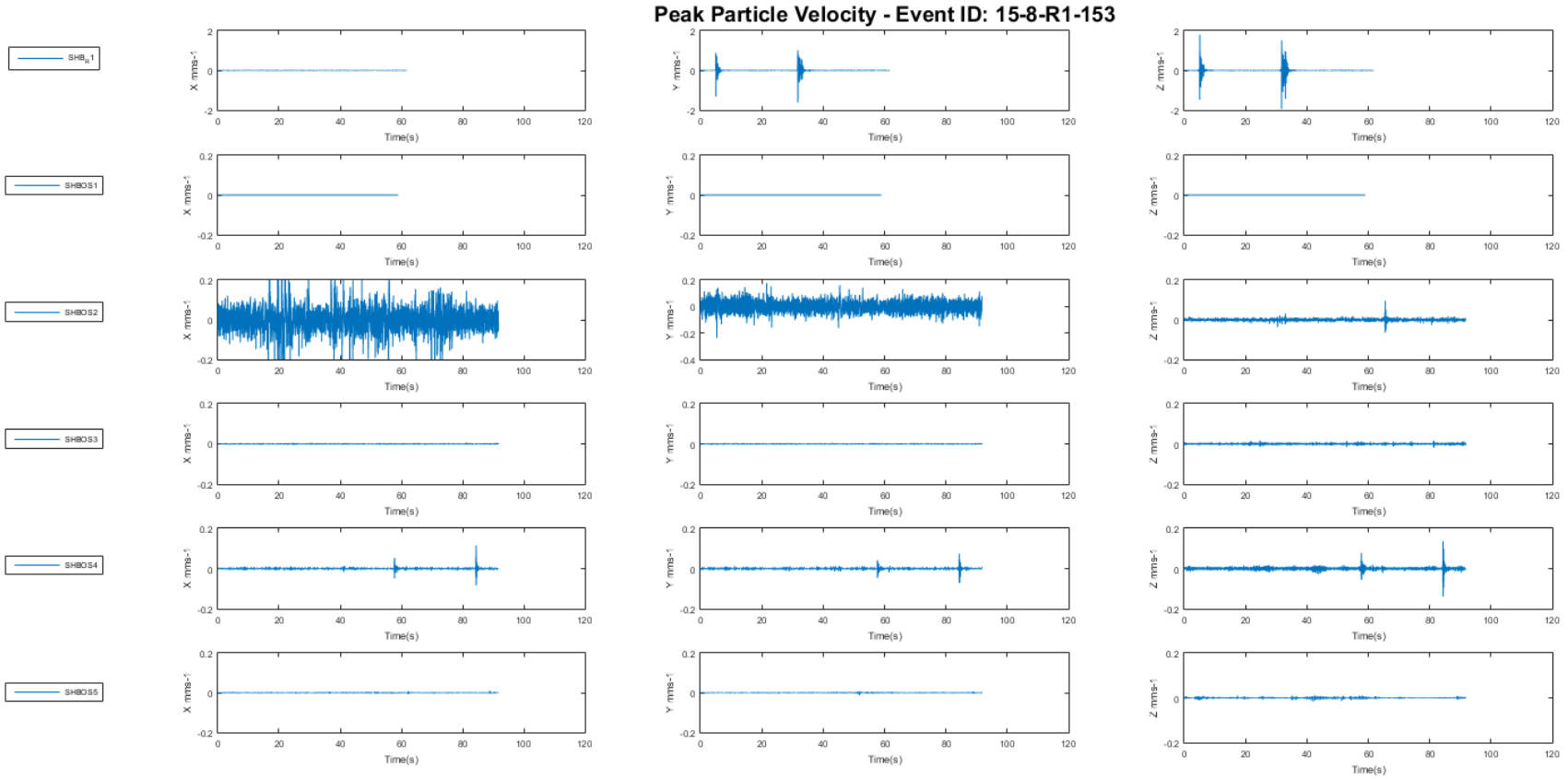
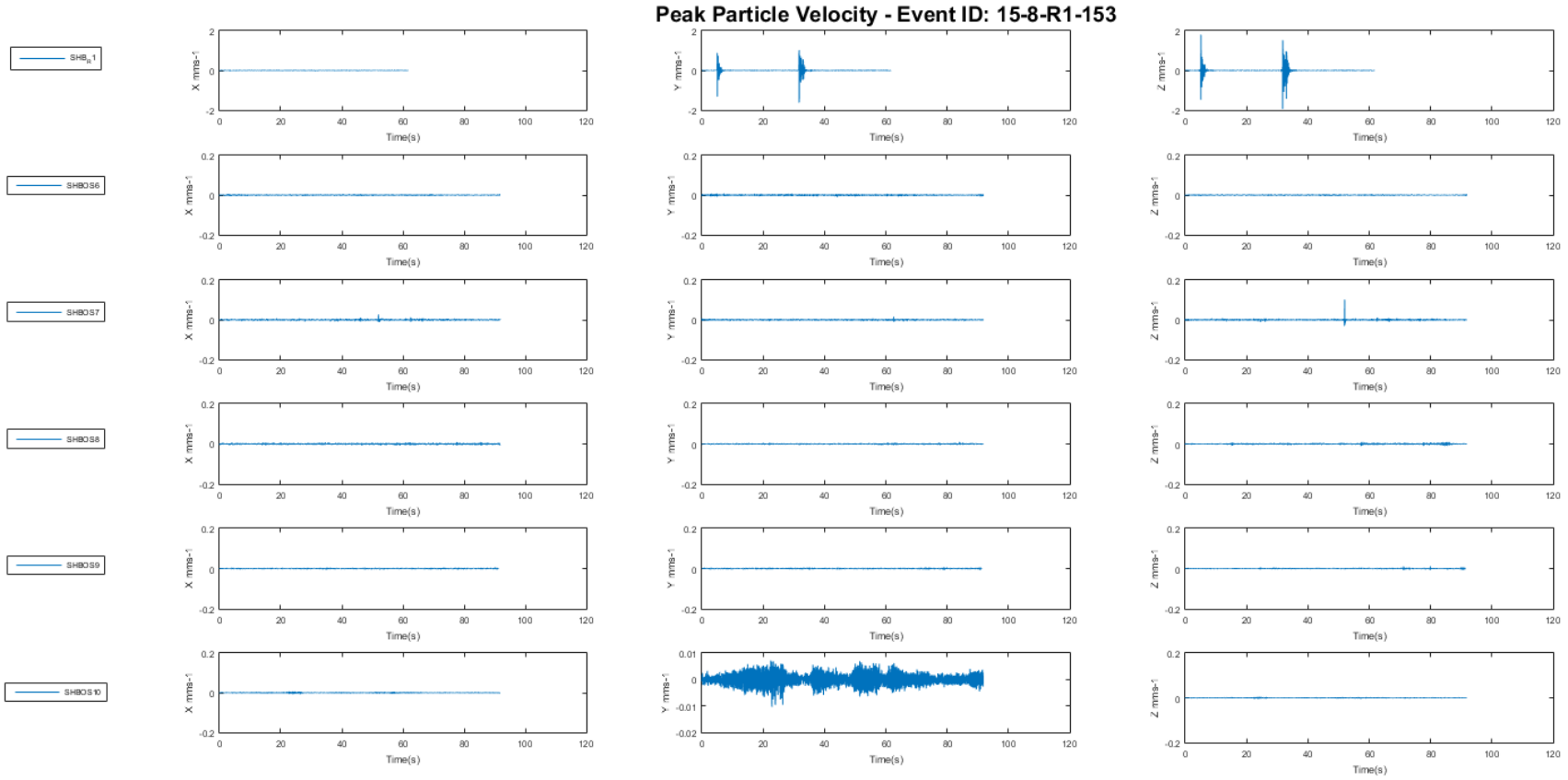


FIGURE 3.1054: SHB_OS 1 - 5 15-8-R1-153

FIGURE 3.1055: SHB_OS 6 - 10 15-8-R1-153



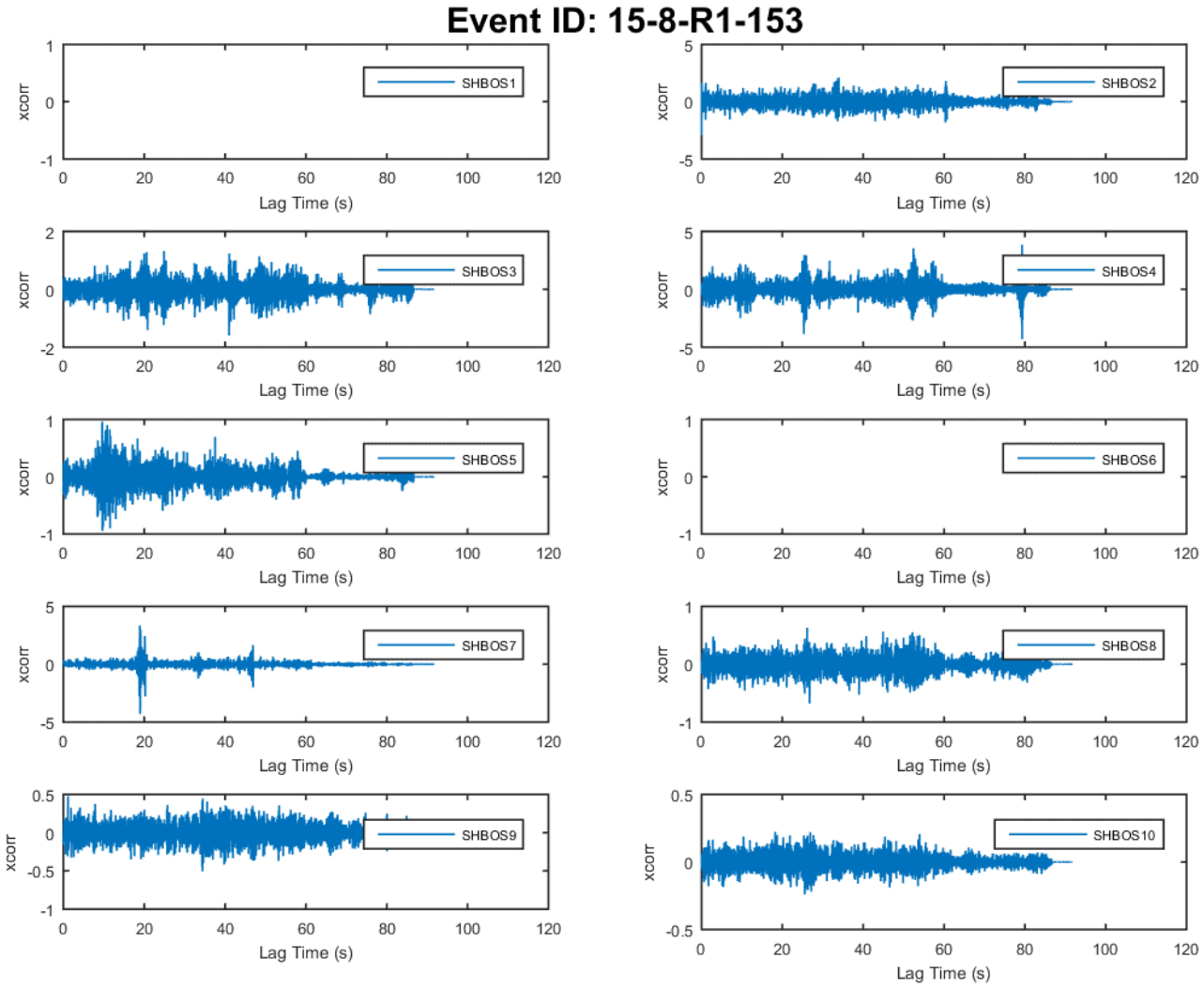


FIGURE 3.1056: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-153

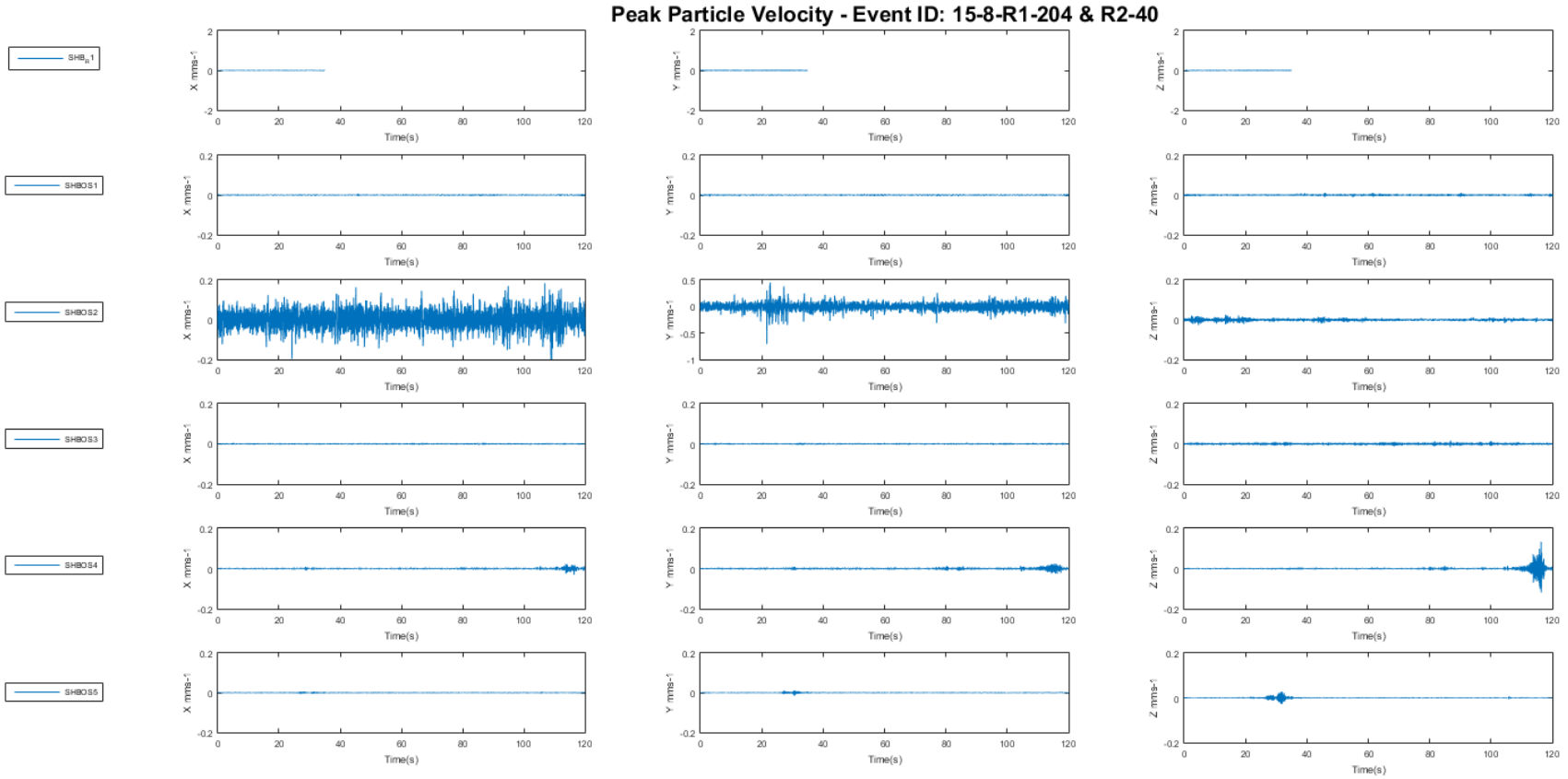
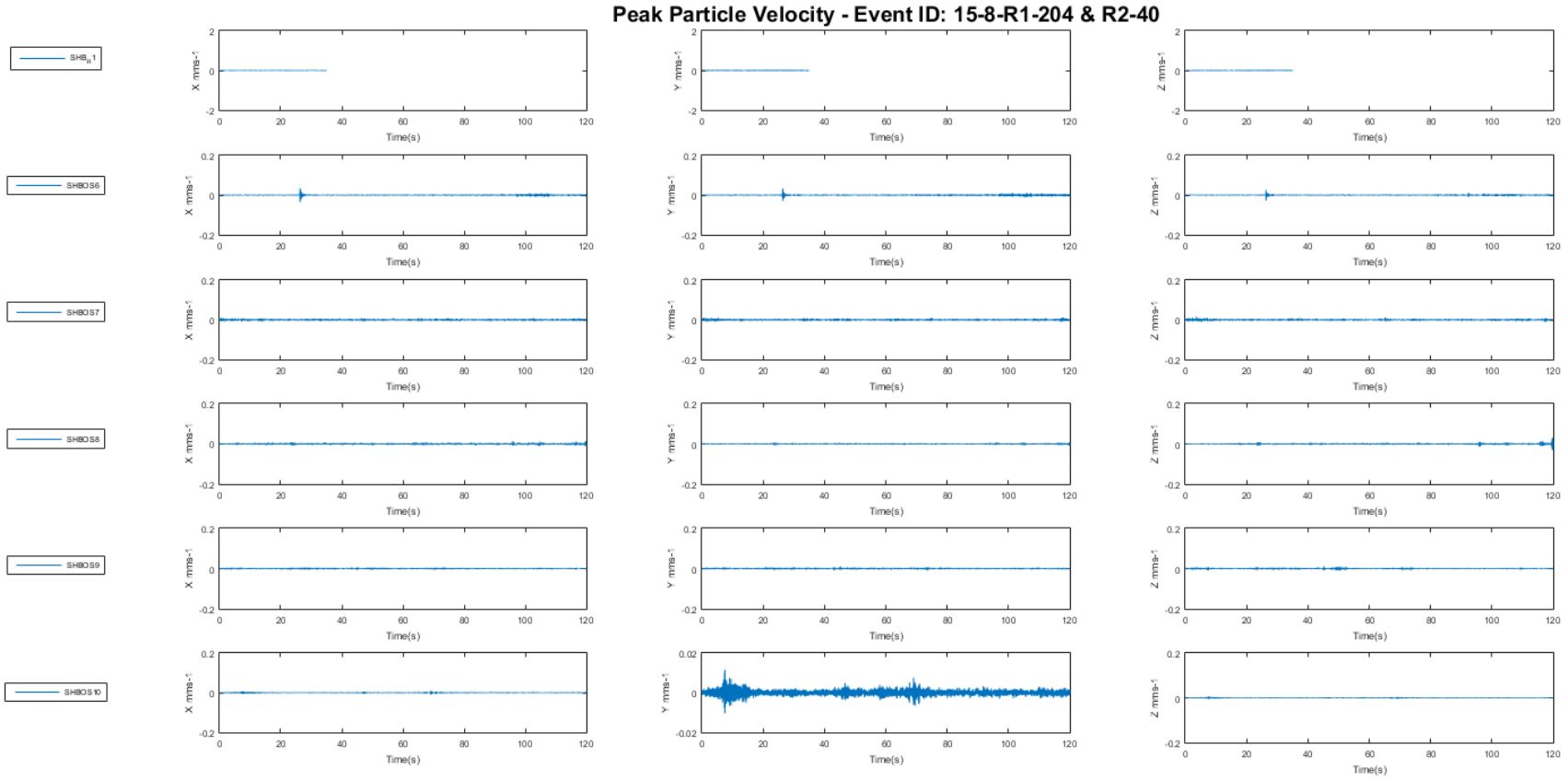


FIGURE 3.1057: SHB_OS 1 - 5 15-8-R1-204 & R2-40

FIGURE 3.1058: SHB_OS 6 - 10 15-8-R1-204 & R2-40



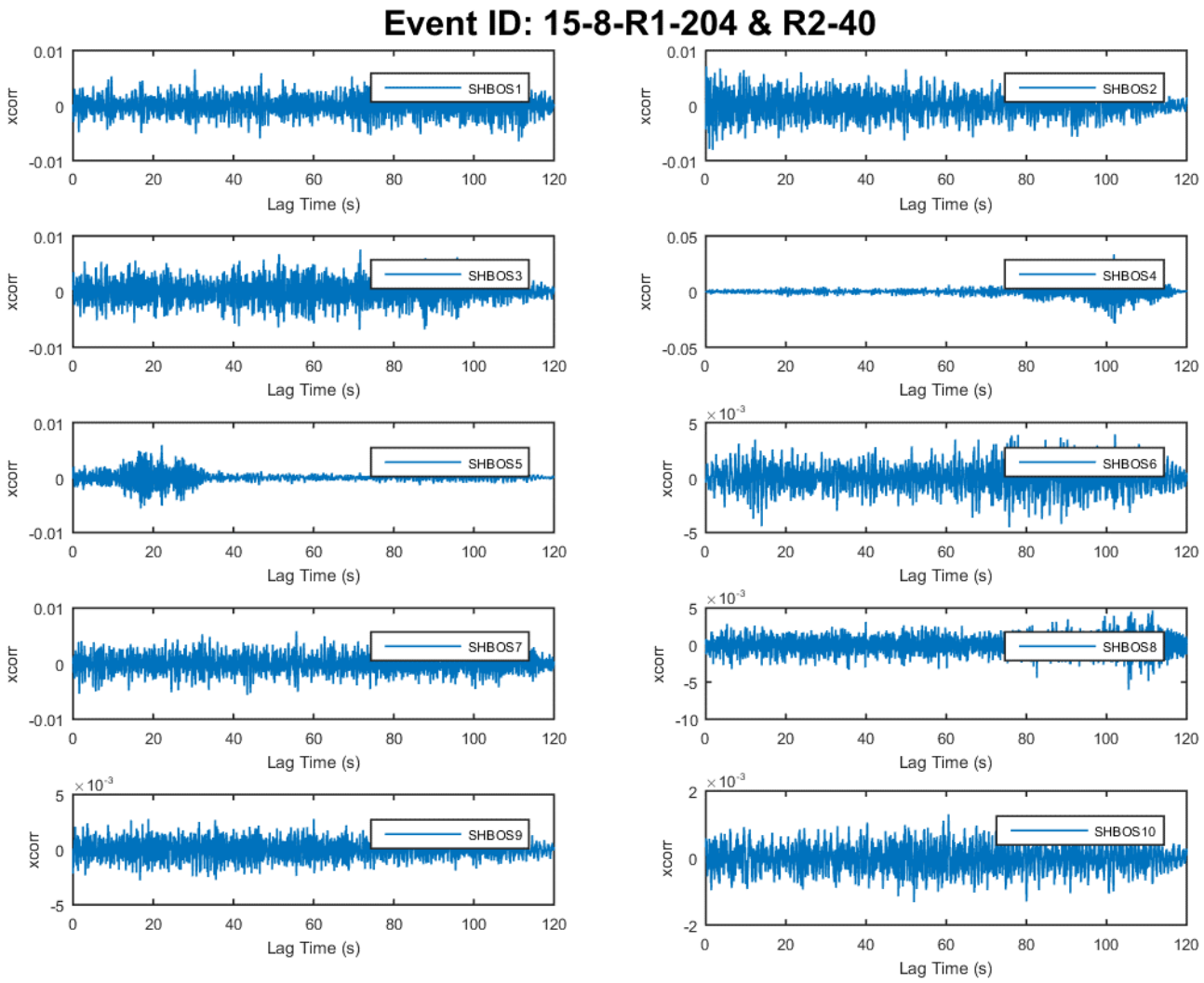


FIGURE 3.1059: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-204 & R2-40

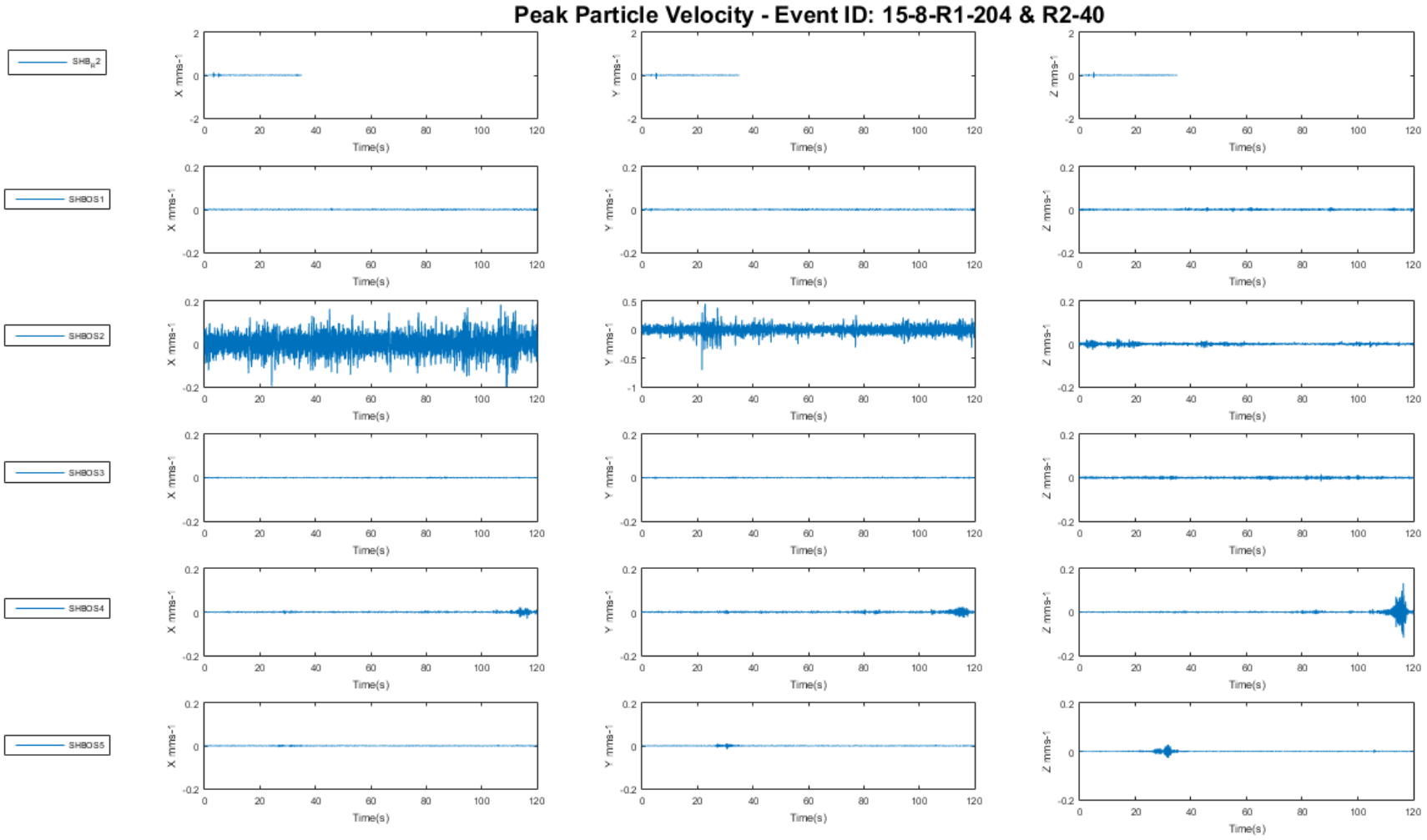


FIGURE 3.1060: SHB_OS 1 - 5 15-8-R1-204 & R2-40

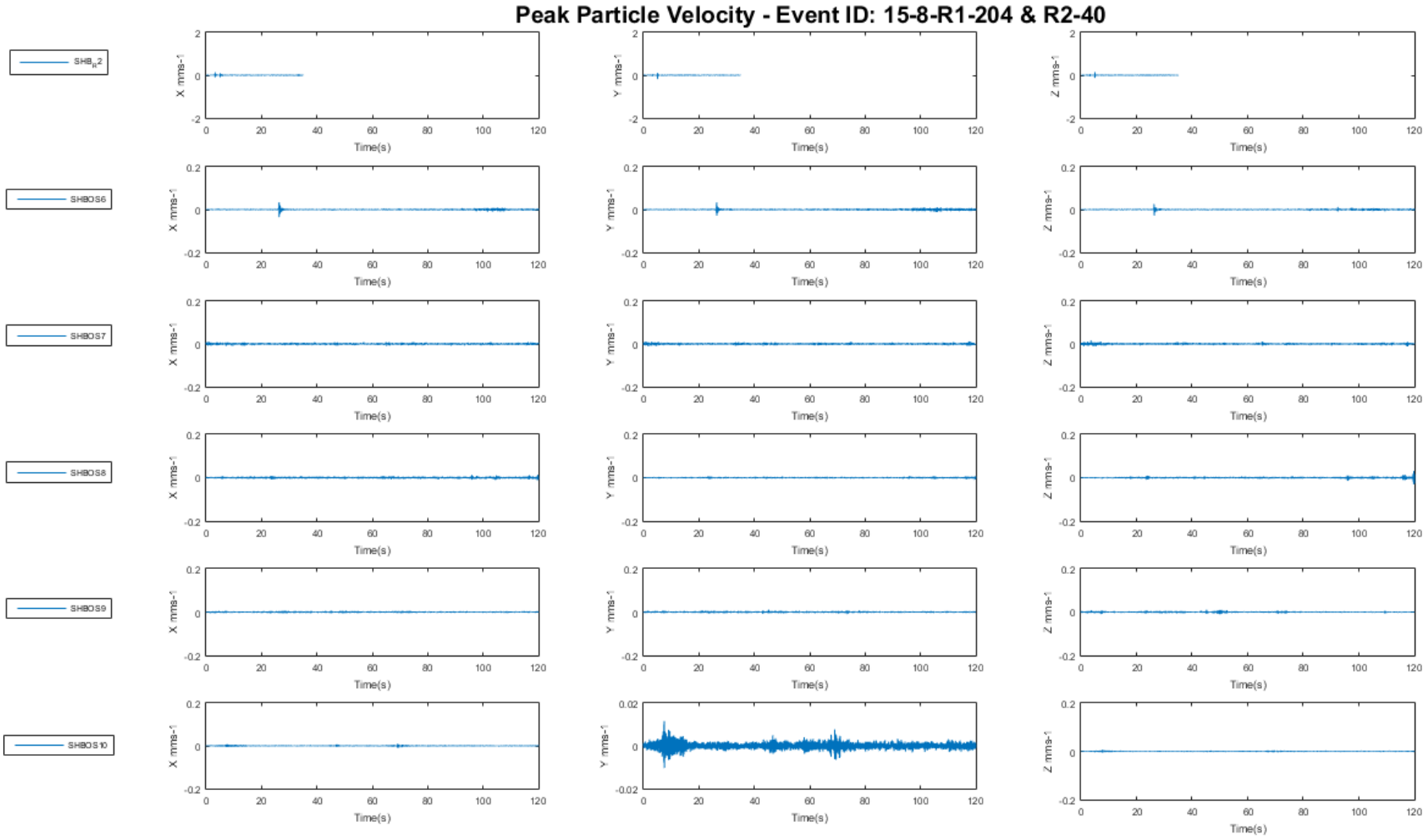


FIGURE 3.1061: SHB_OS 6 - 10 15-8-R1-204 & R2-40

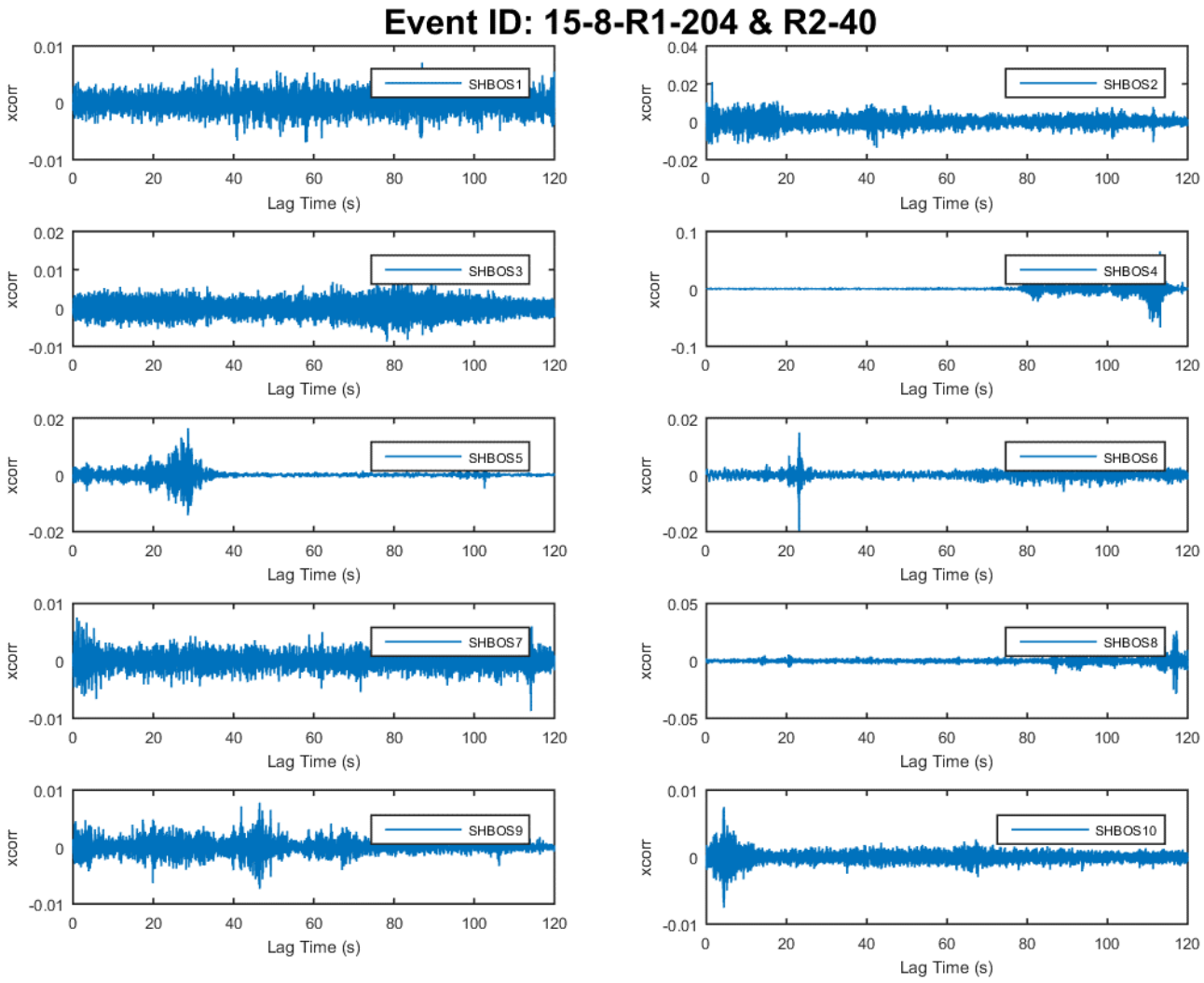


FIGURE 3.1062: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-204 & R2-40

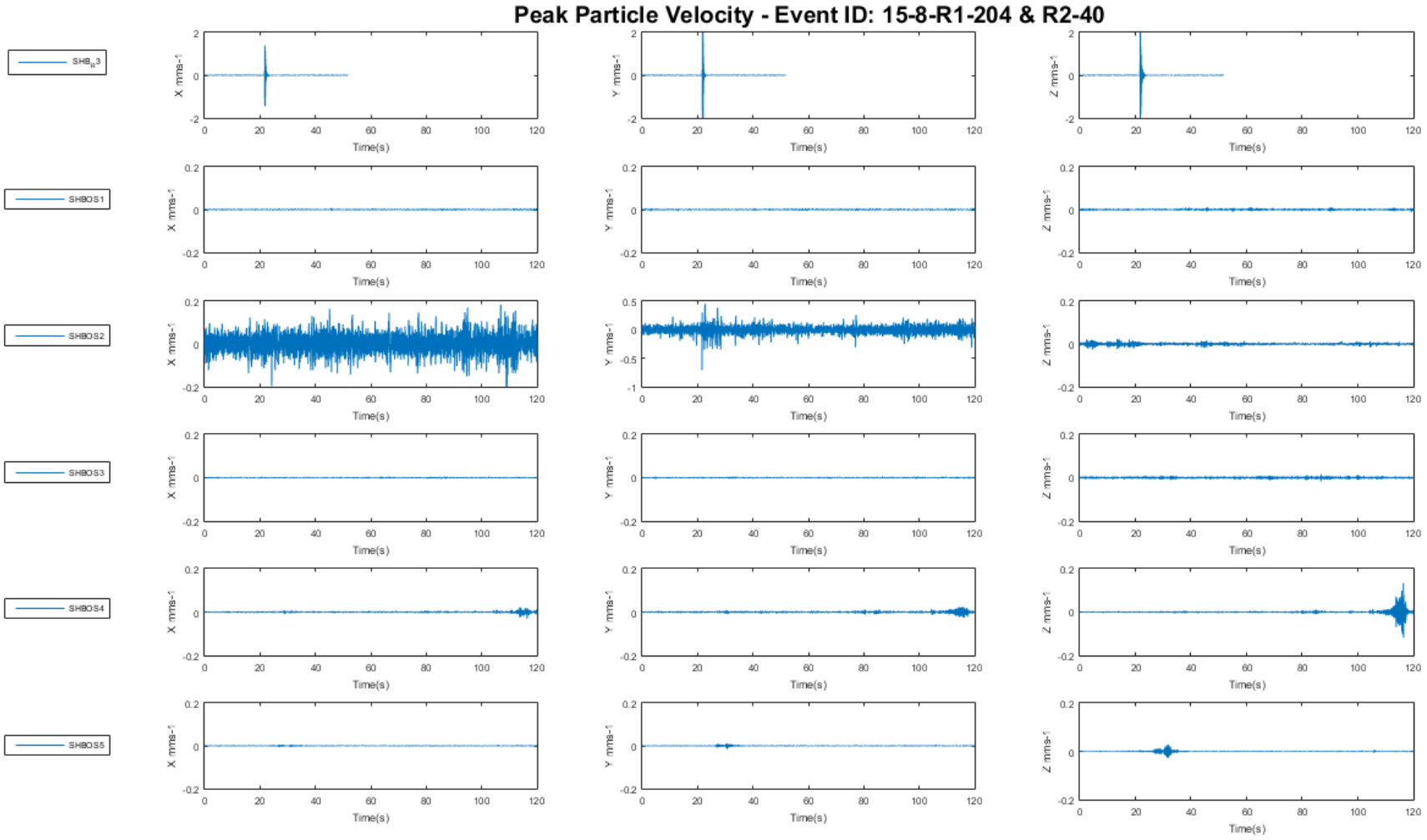


FIGURE 3.1063: SHB_OS 1 - 5 15-8-R1-204 & R2-40

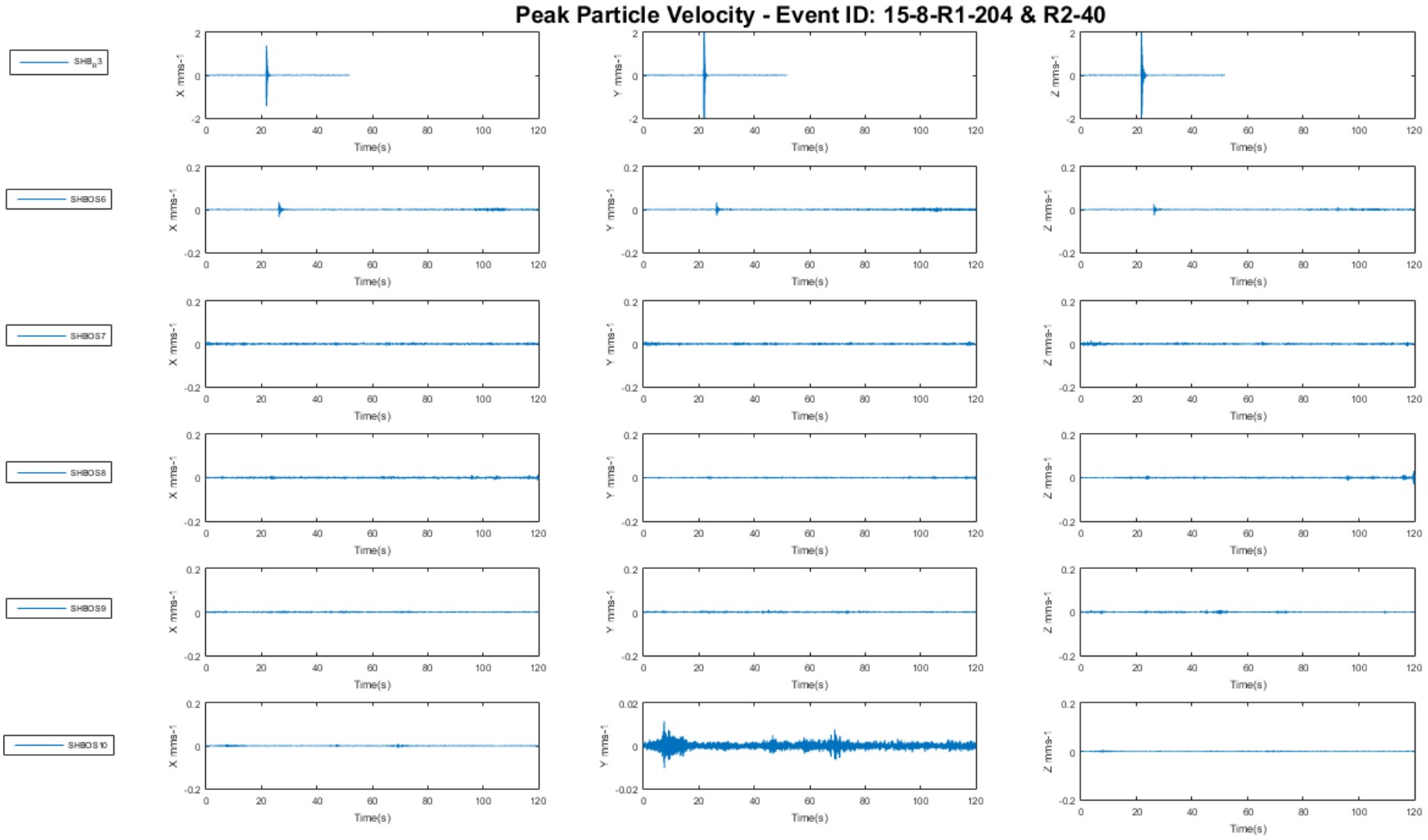


FIGURE 3.1064: SHB_OS 6 - 10 15-8-R1-204 & R2-40

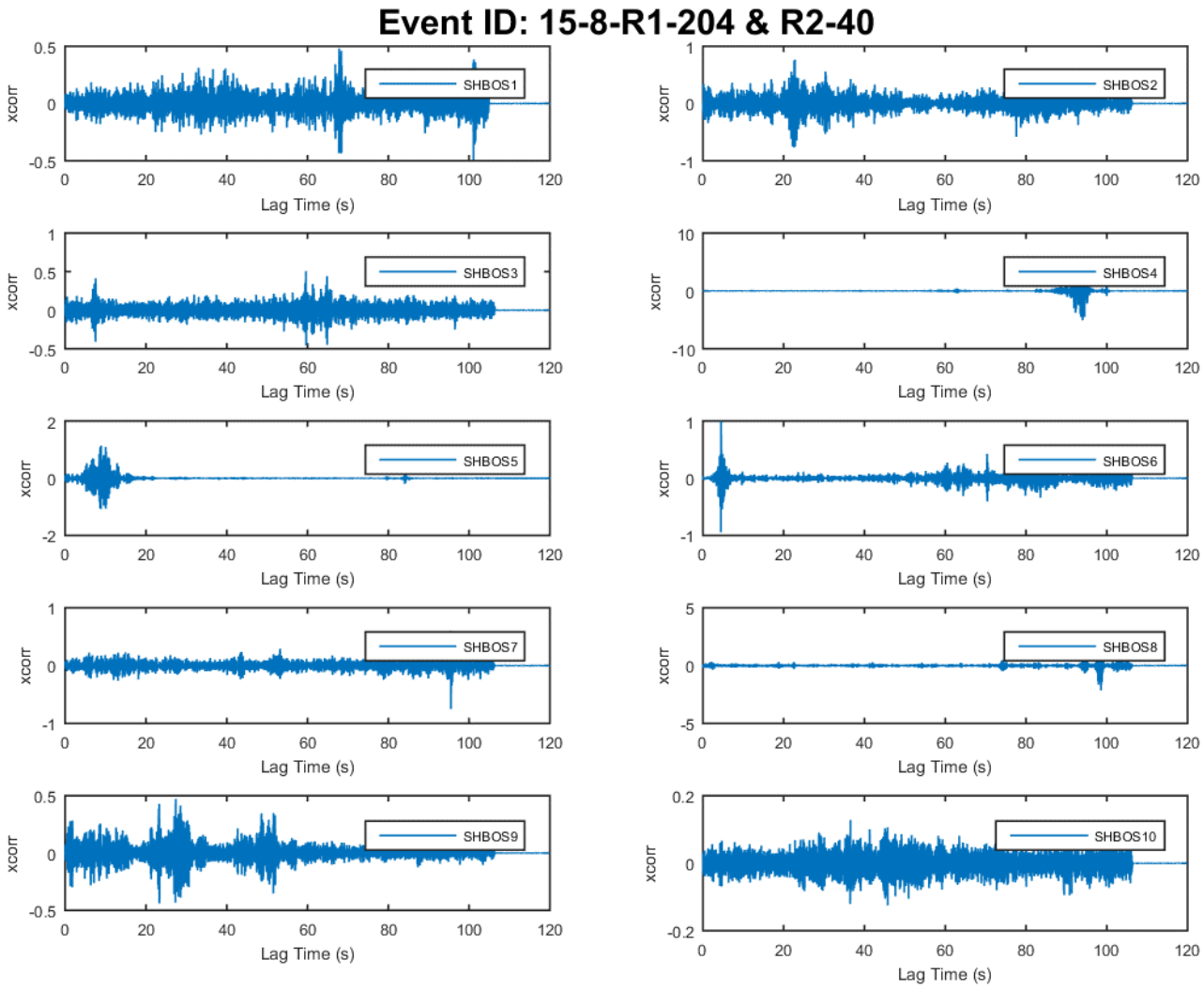


FIGURE 3.1065: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-204 & R2-40

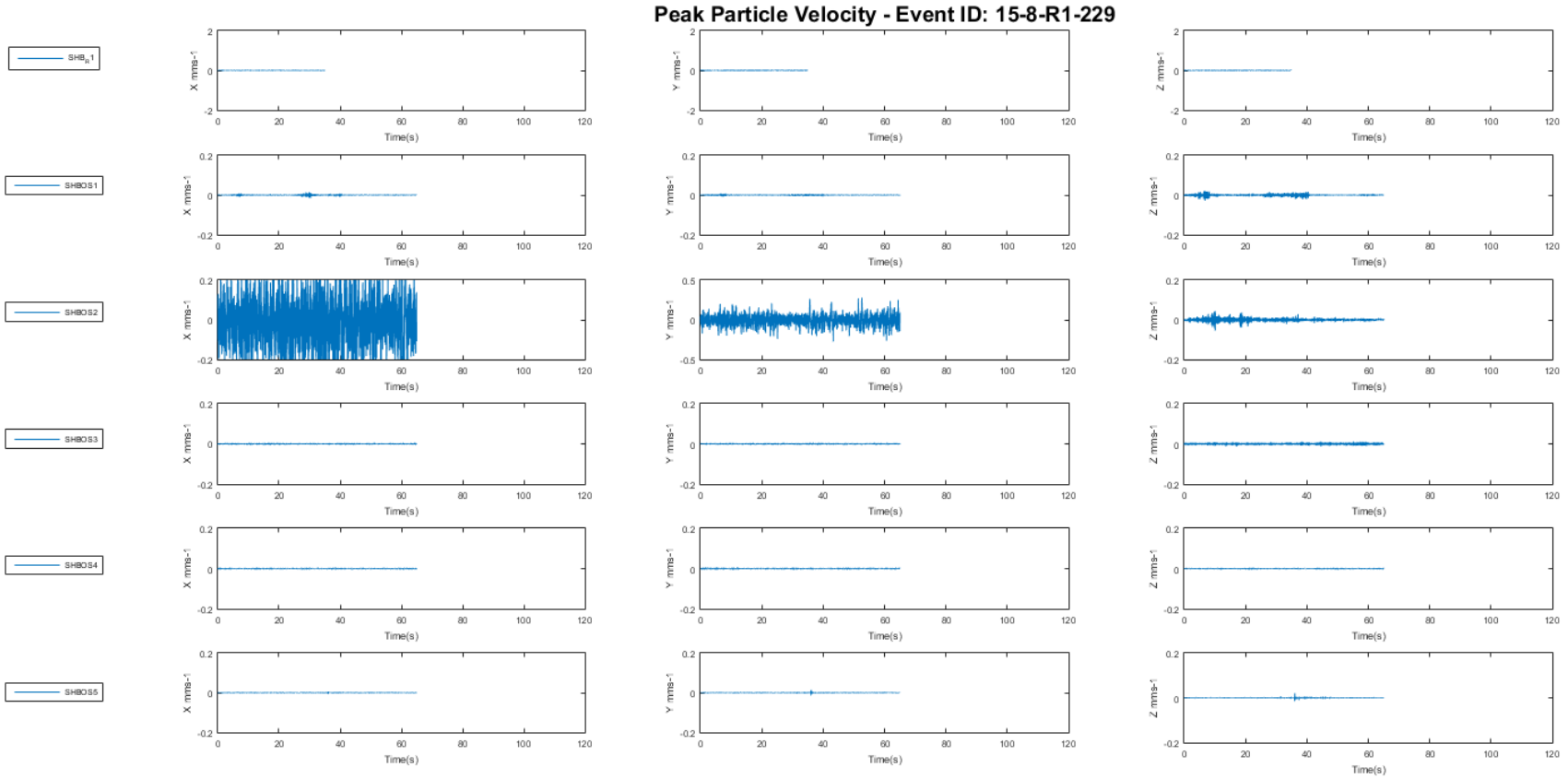
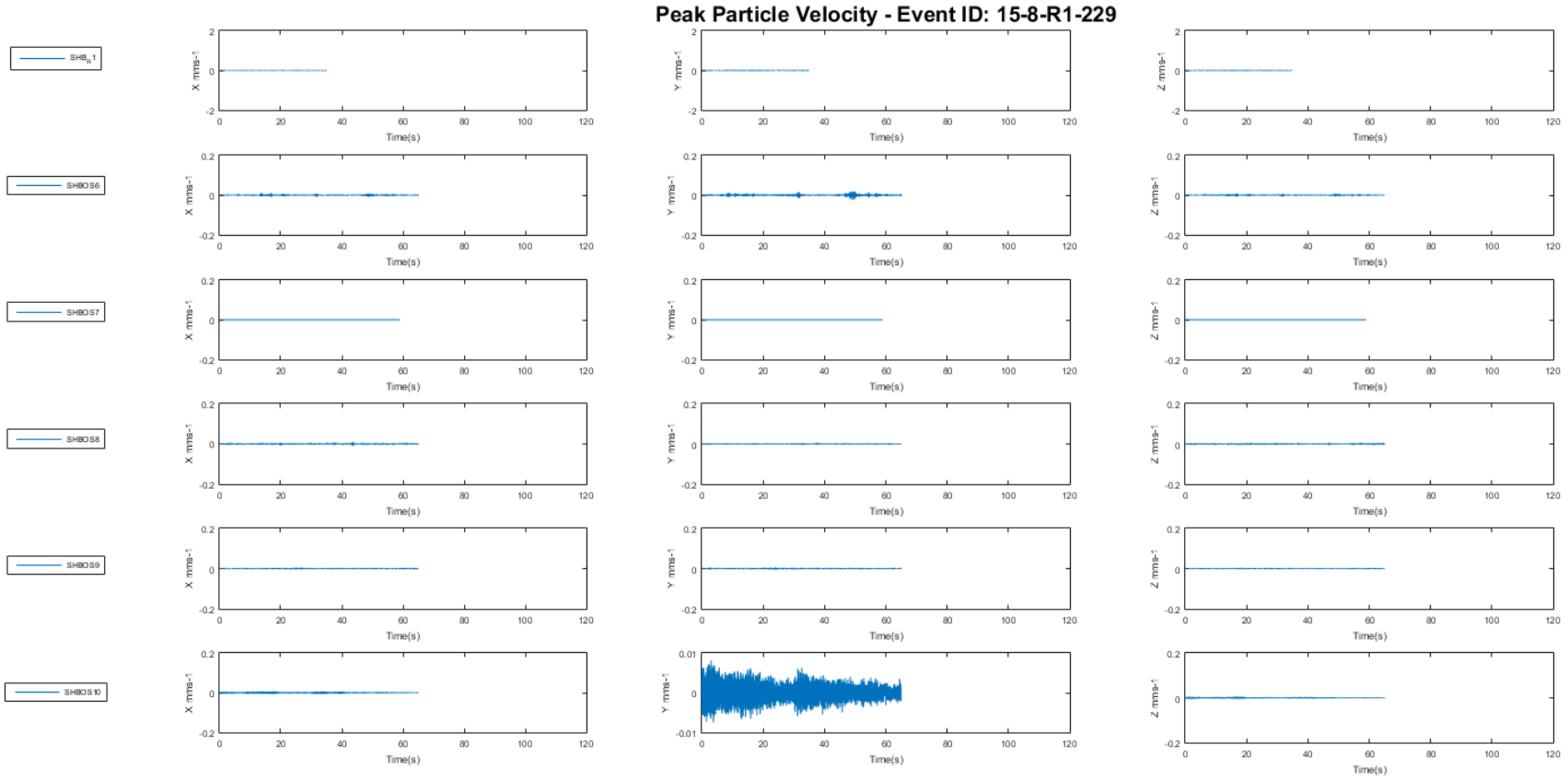


FIGURE 3.1066: SHB_OS 1 - 5 15-8-R1-229

FIGURE 3.1067: SHB_OS 6 - 10 15-8-R1-229



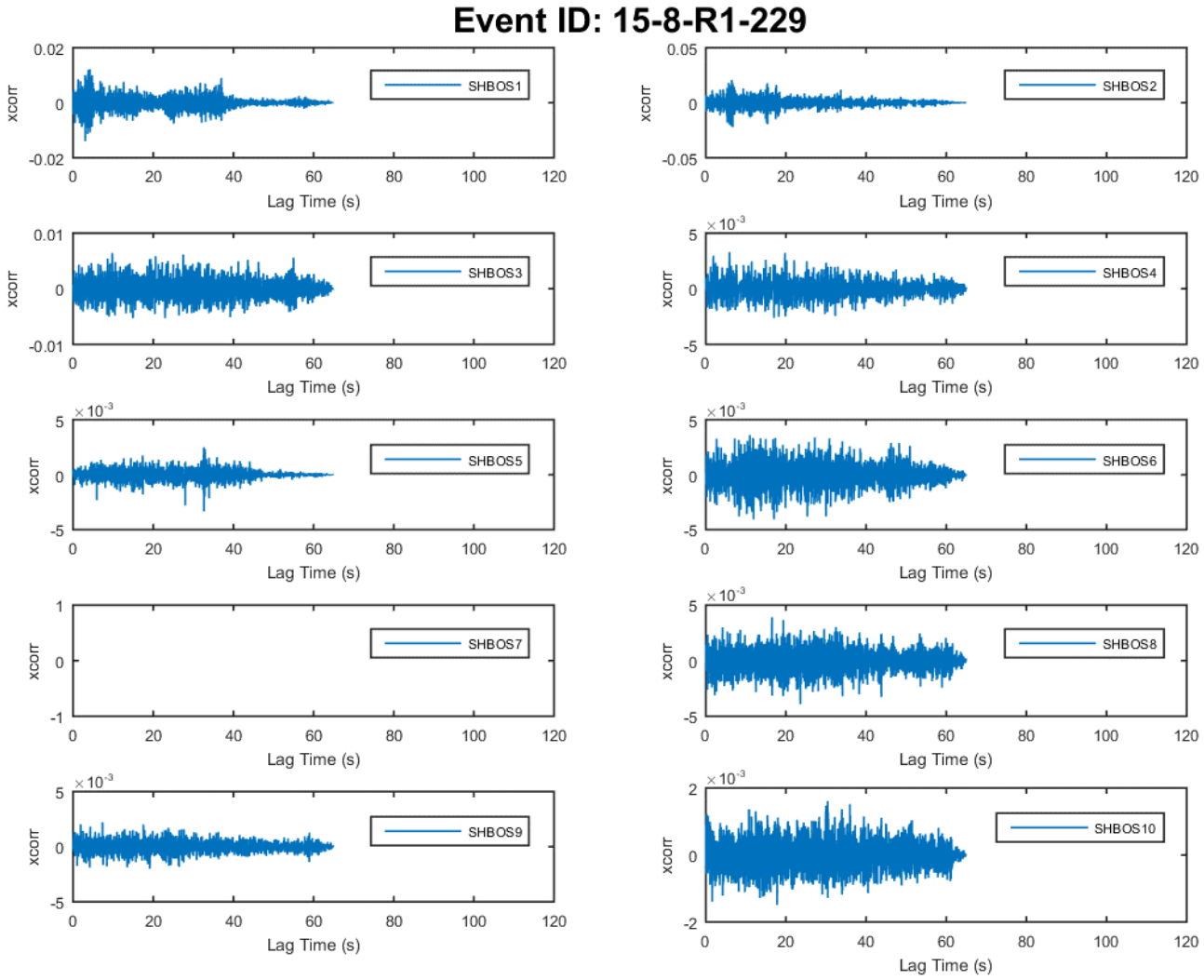


FIGURE 3.1068: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-229

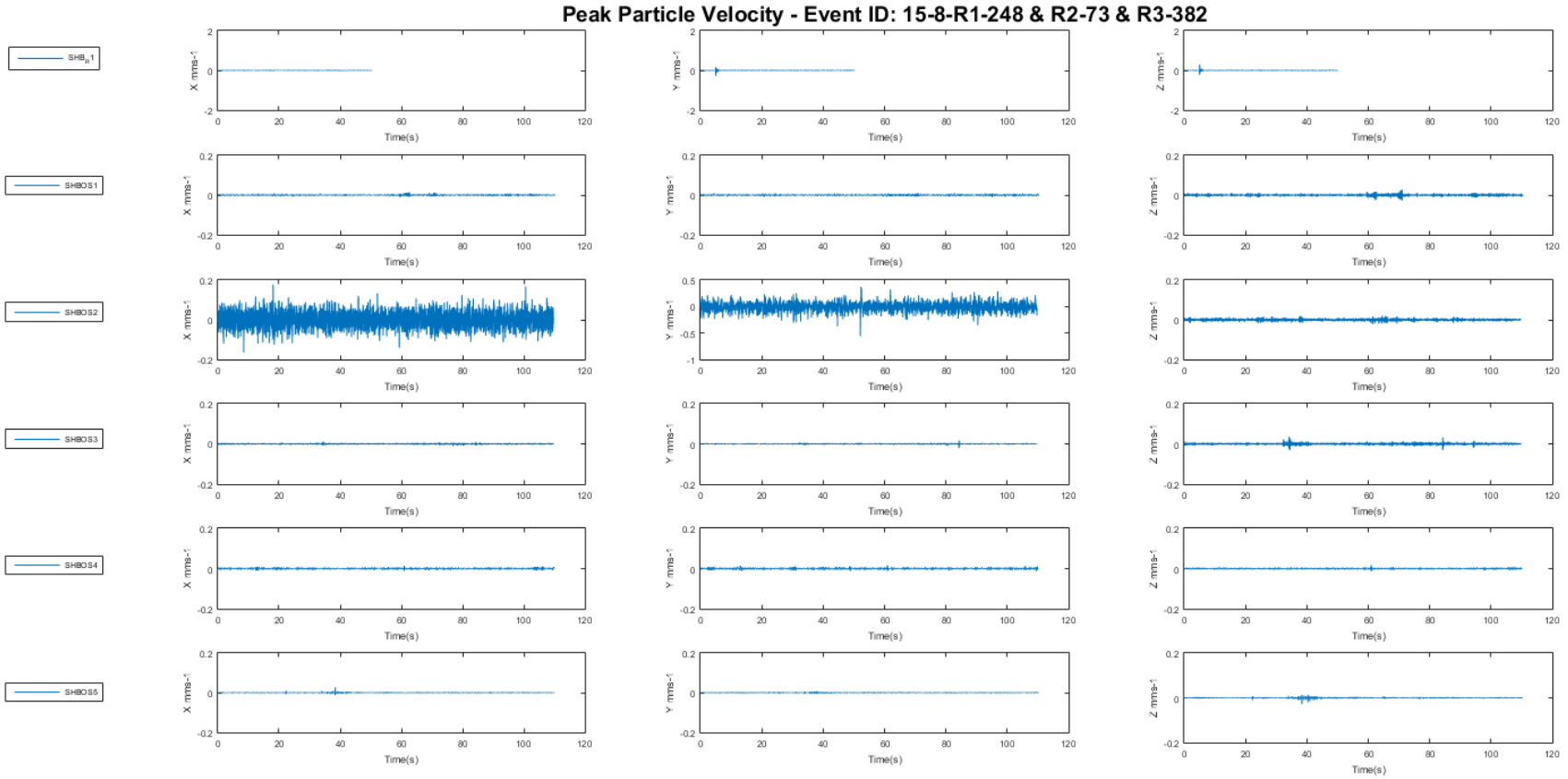
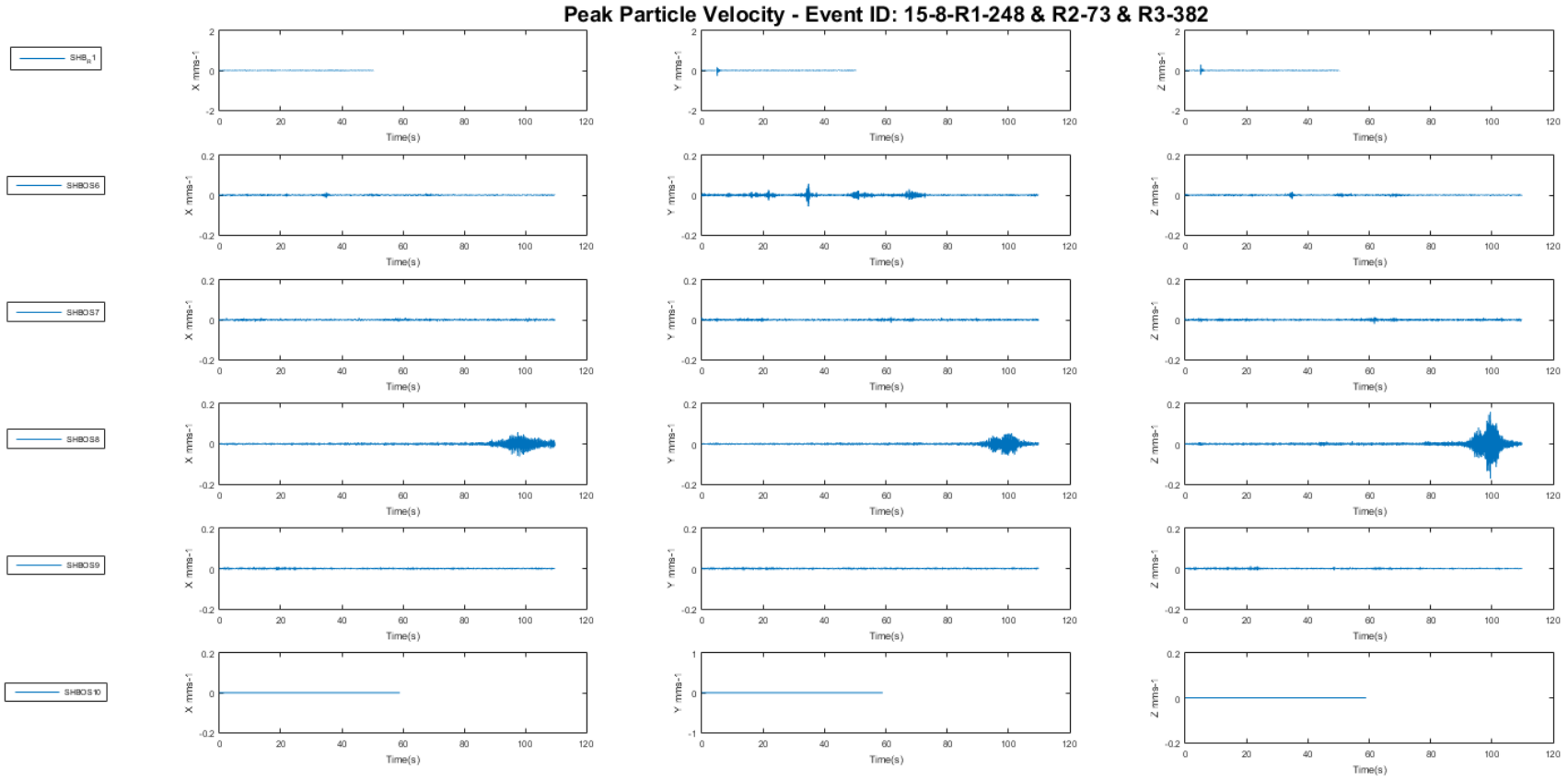


FIGURE 3.1069: SHB_OS 1 - 5 15-8-R1-248 & R2-73 & R3-382

FIGURE 3.1070: SHB_OS 6 - 10 15-8-R1-248 & R2-73 & R3-382



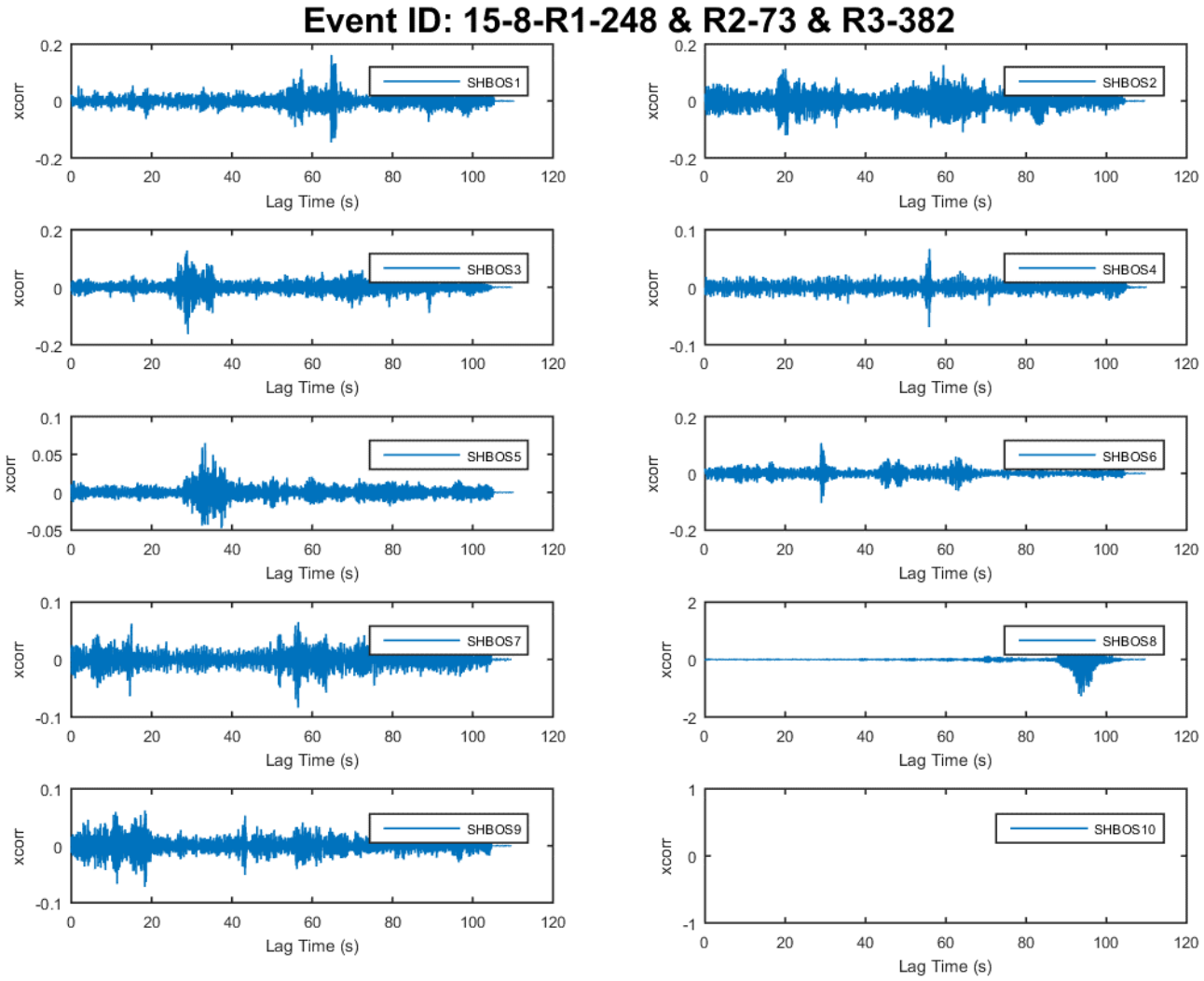


FIGURE 3.1071: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-248 & R2-73 & R3-382

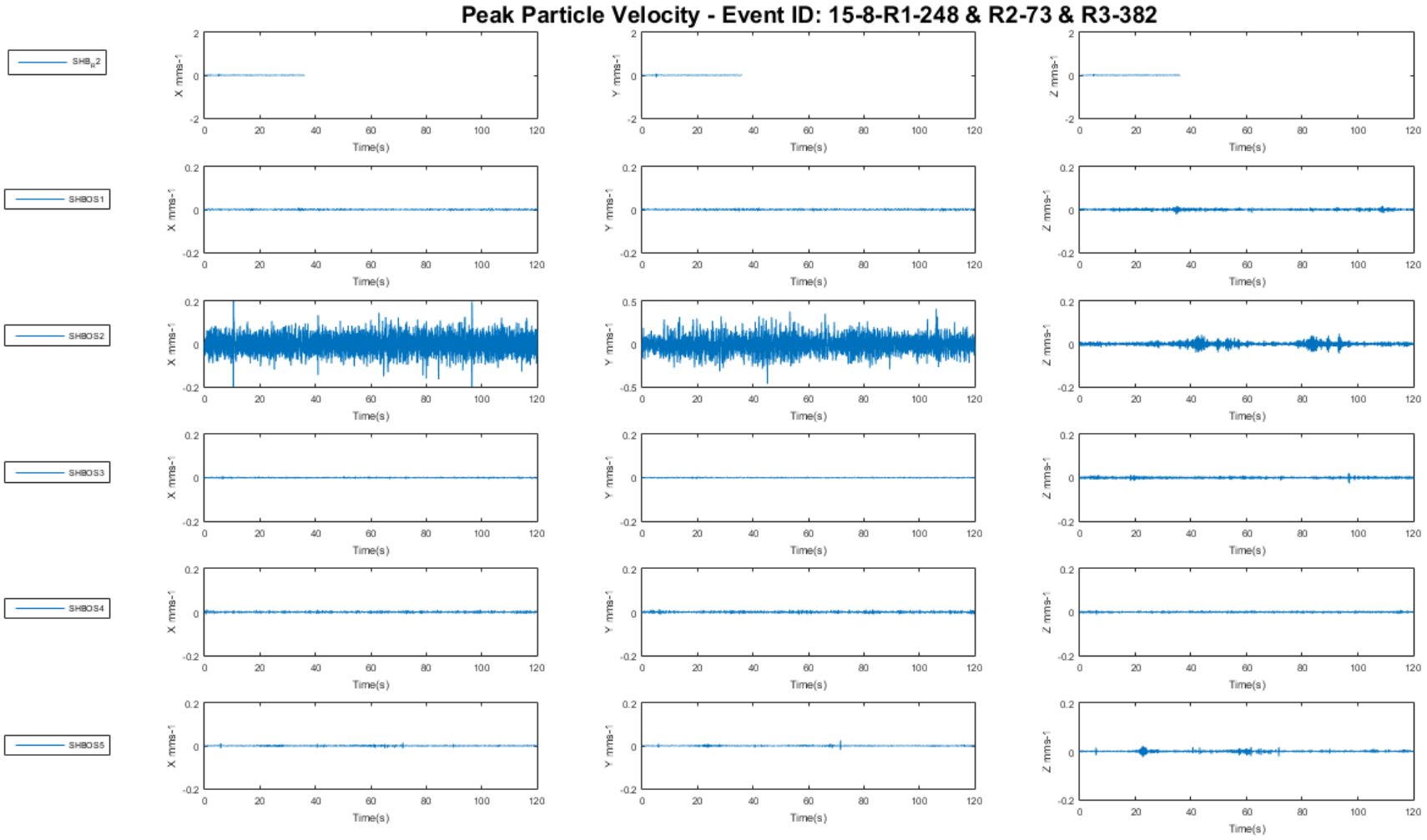


FIGURE 3.1072: SHB_OS 1 - 5 15-8-R1-248 & R2-73 & R3-382

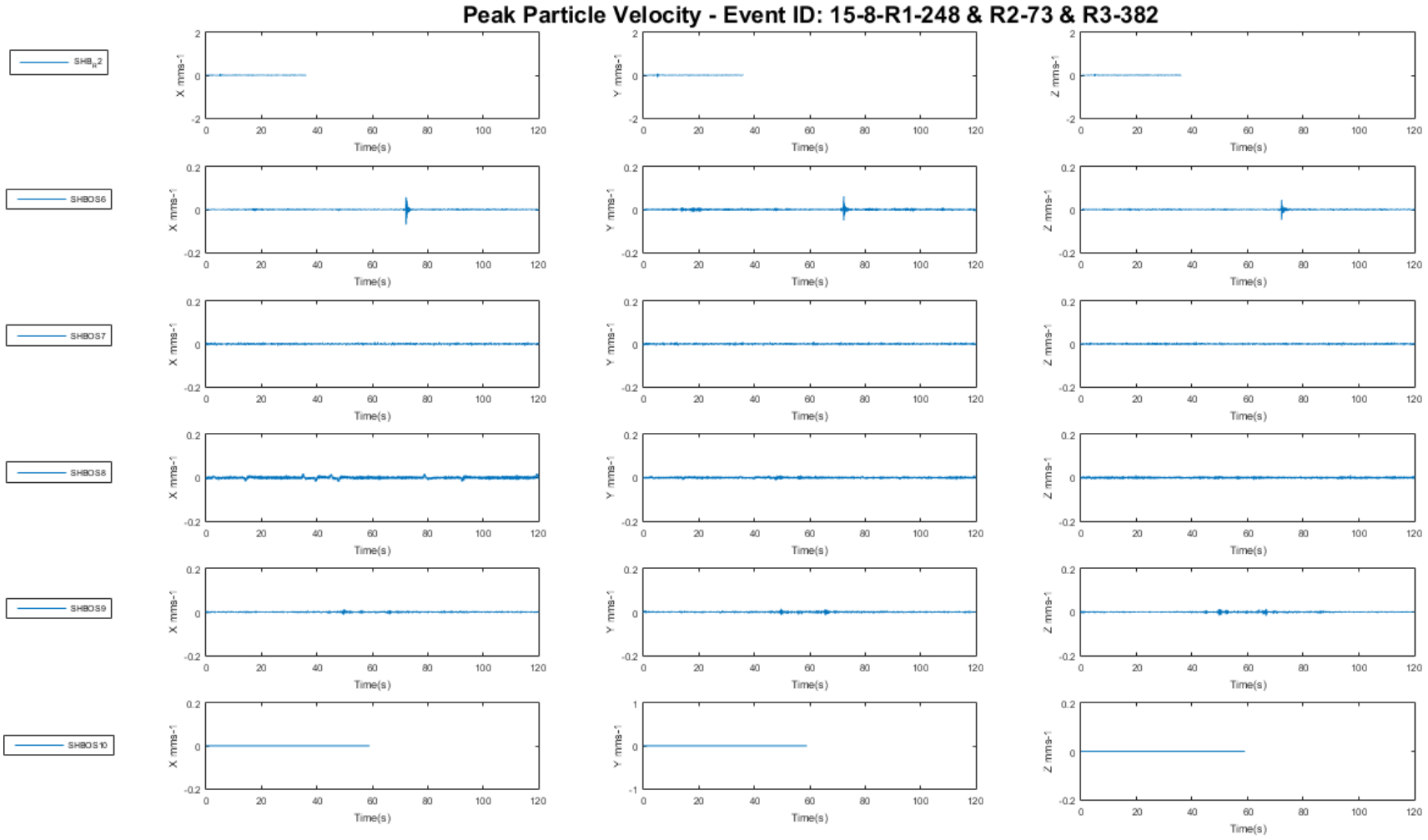


FIGURE 3.1073: SHB_OS 6 - 10 15-8-R1-248 & R2-73 & R3-382

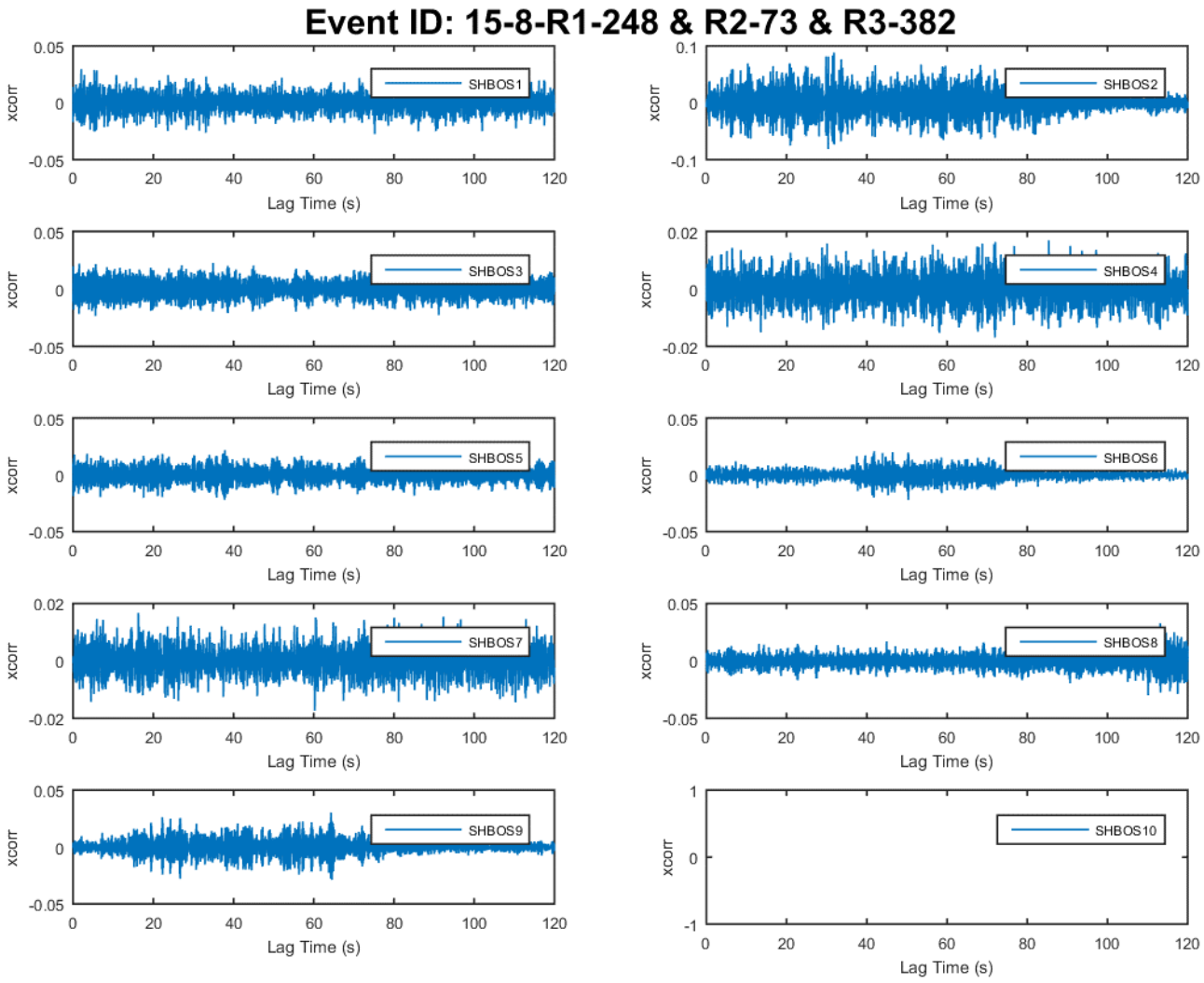


FIGURE 3.1074: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-248 & R2-73 & R3-382

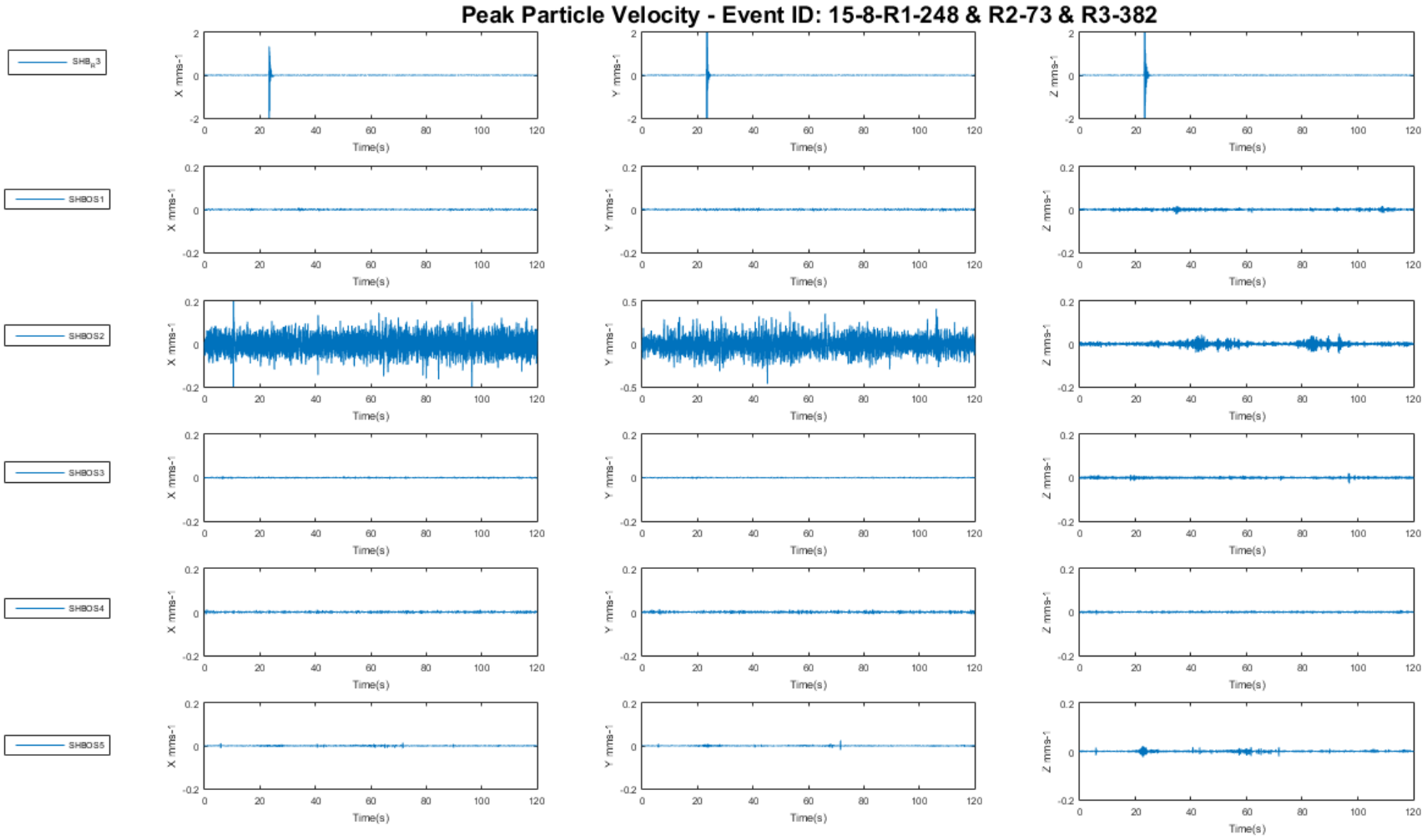


FIGURE 3.1075: SHB_OS 1 - 5 15-8-R1-248 & R2-73 & R3-382

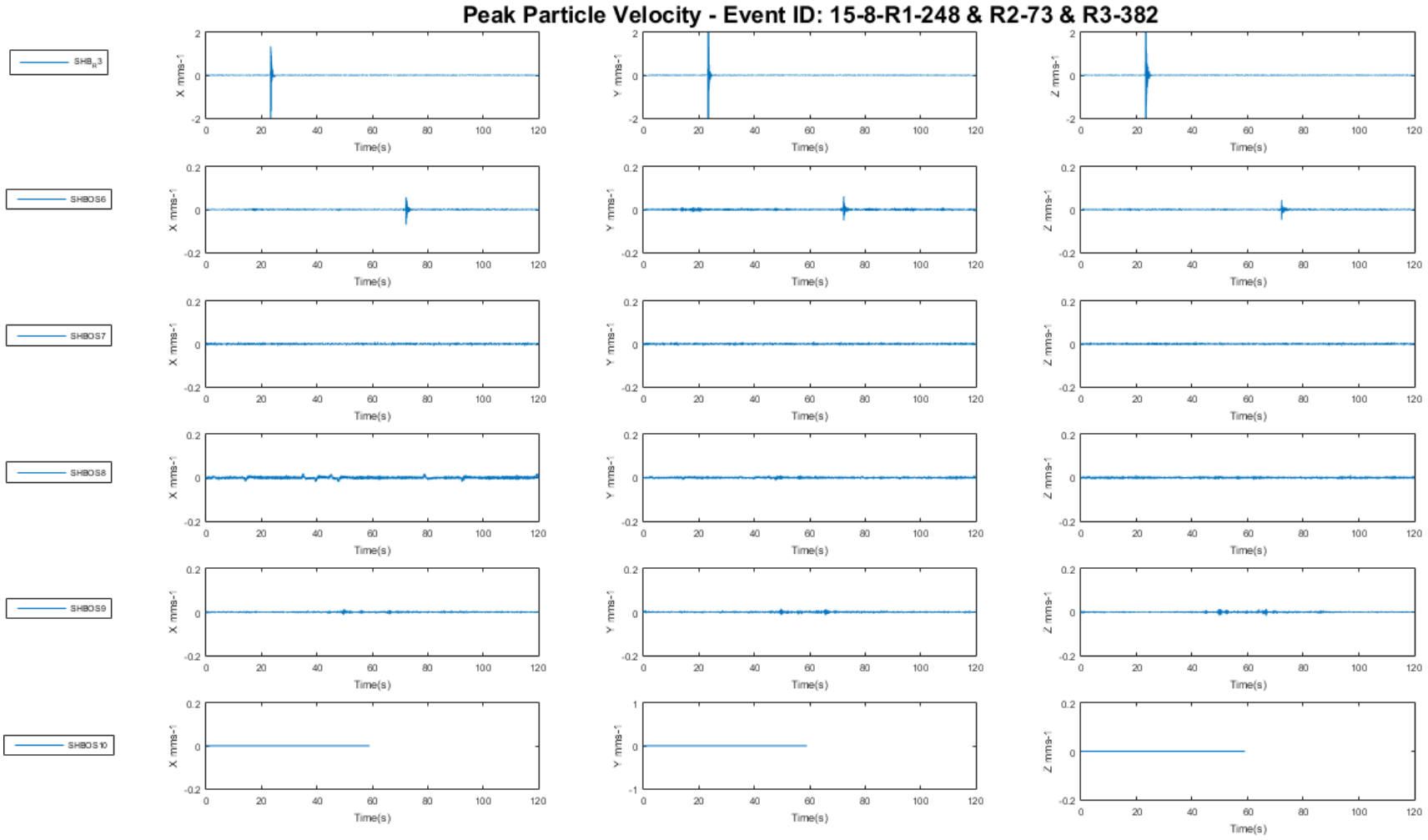


FIGURE 3.1076: SHB_OS 6 - 10 15-8-R1-248 & R2-73 & R3-382

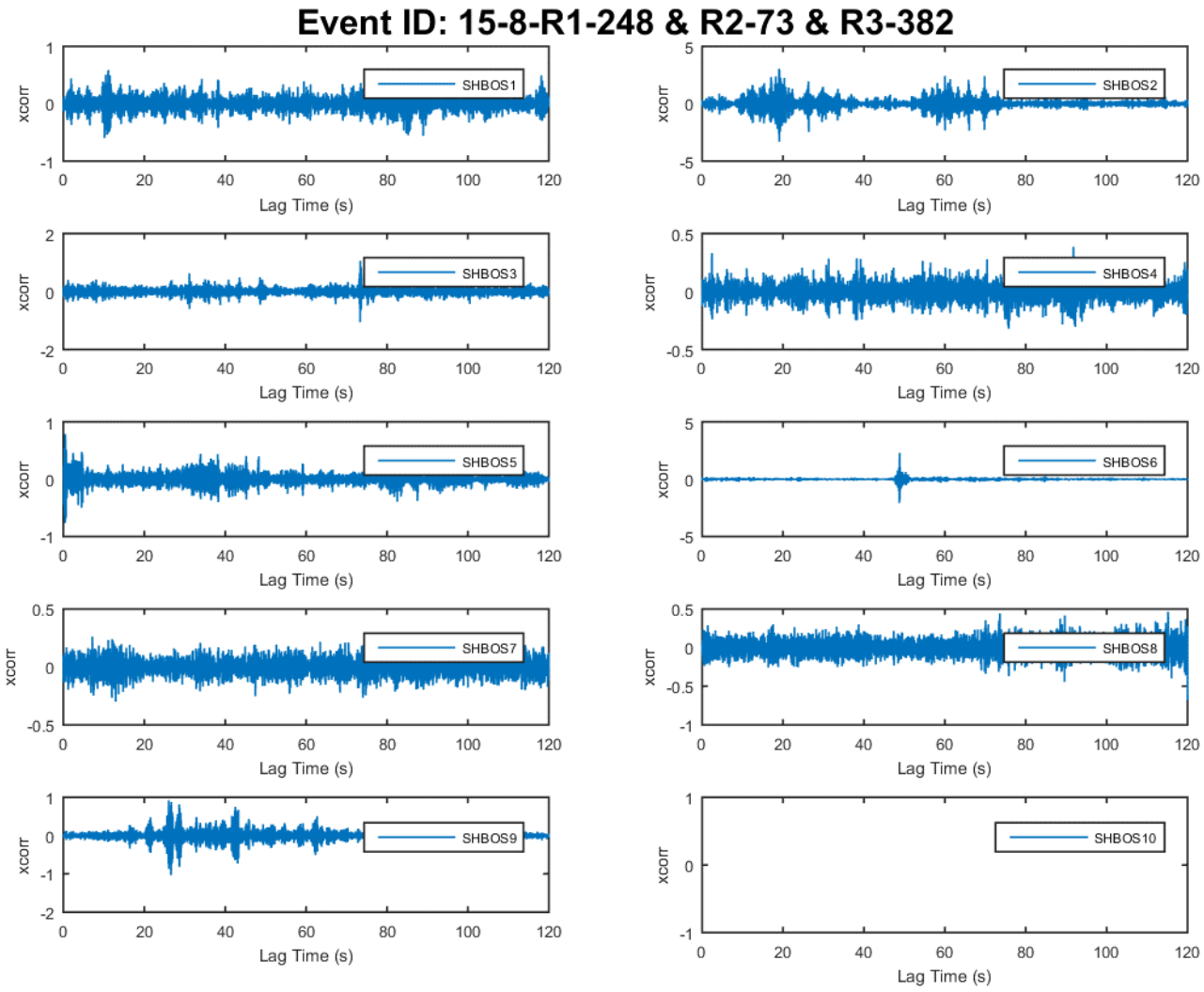


FIGURE 3.1077: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-248 & R2-73 & R3-382

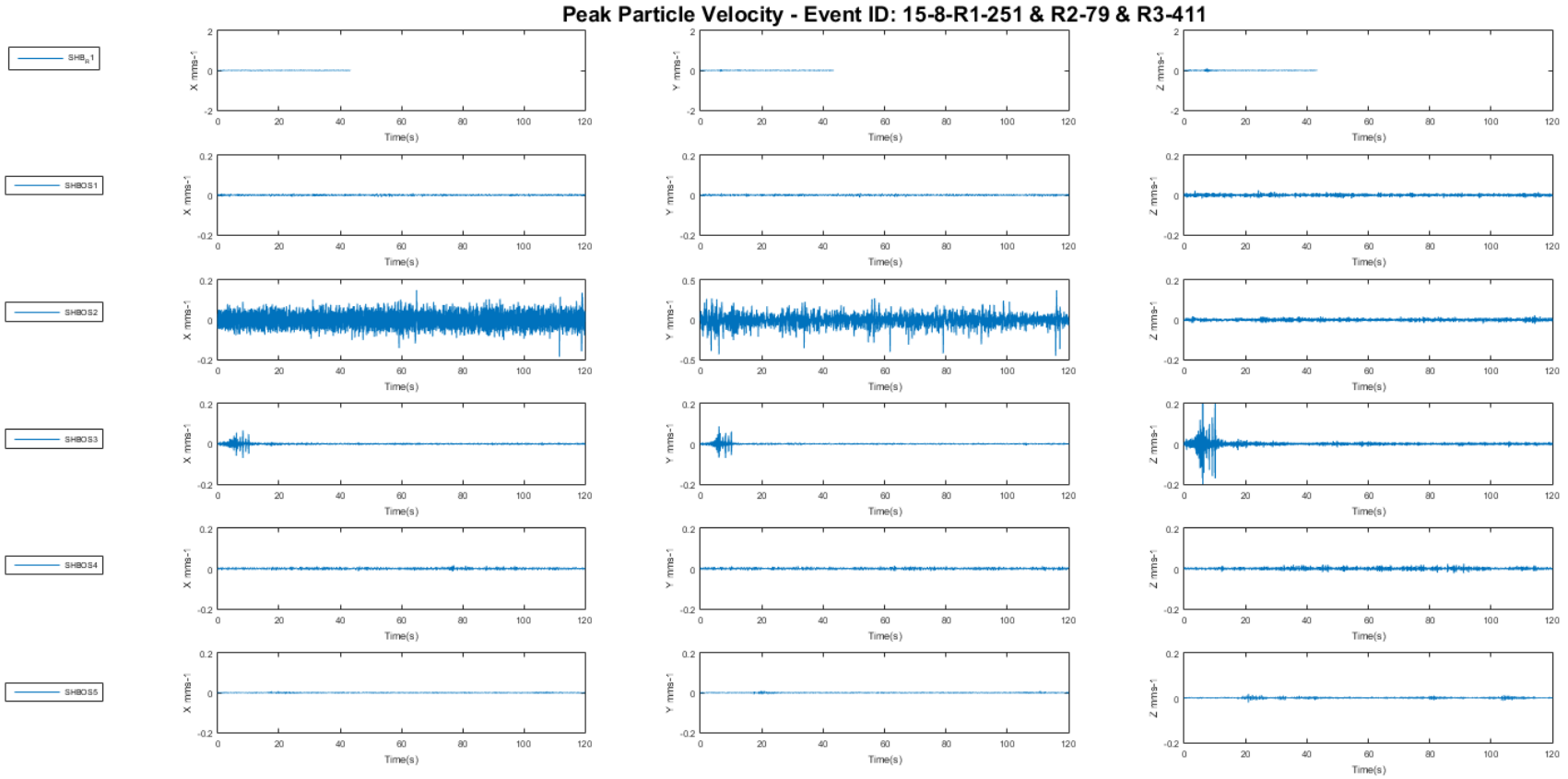
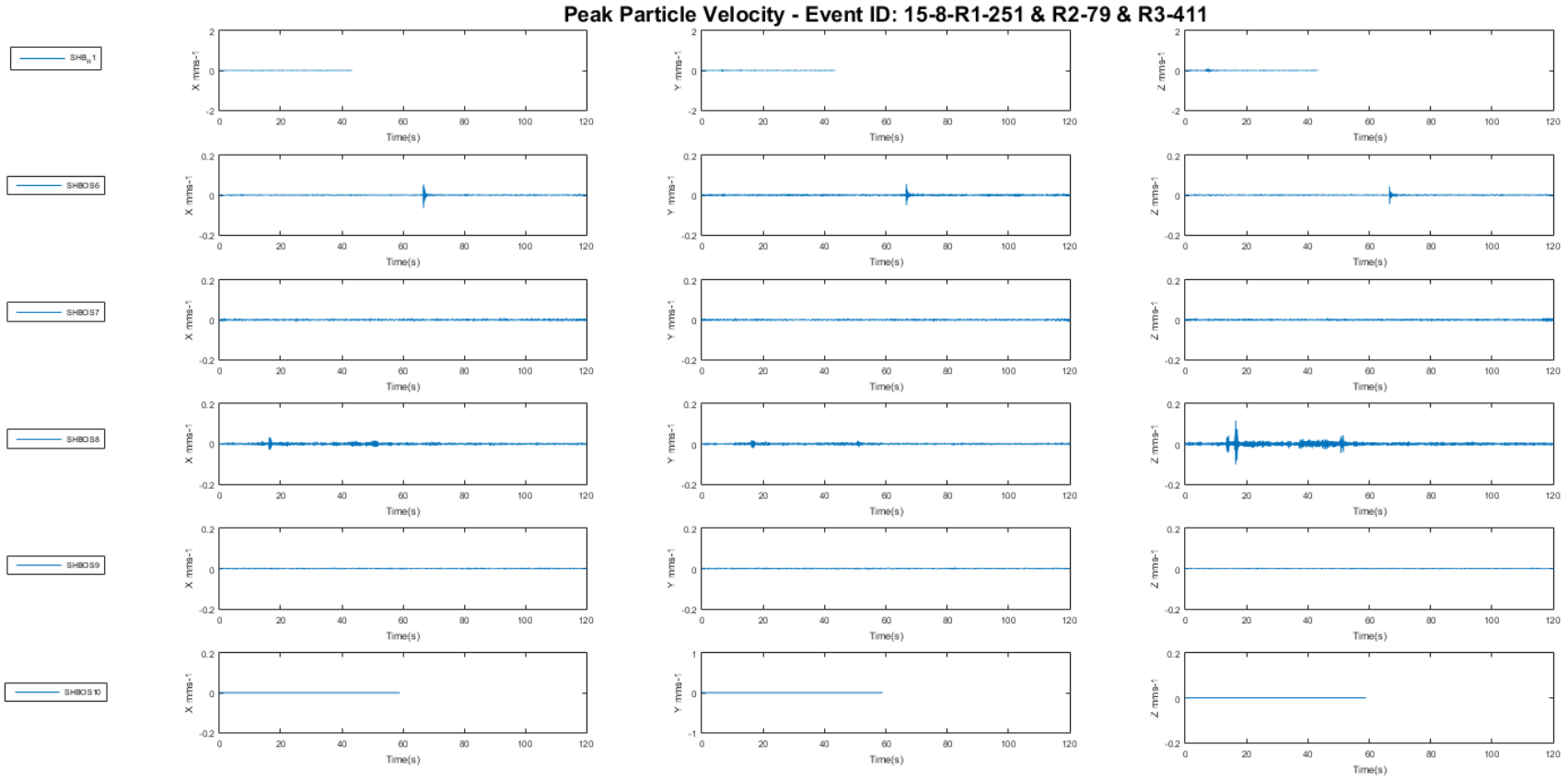


FIGURE 3.1078: SHB_OS 1 - 5 15-8-R1-251 & R2-79 & R3-411

FIGURE 3.1079: SHB_OS 6 - 10 15-8-R1-251 & R2-79 & R3-411



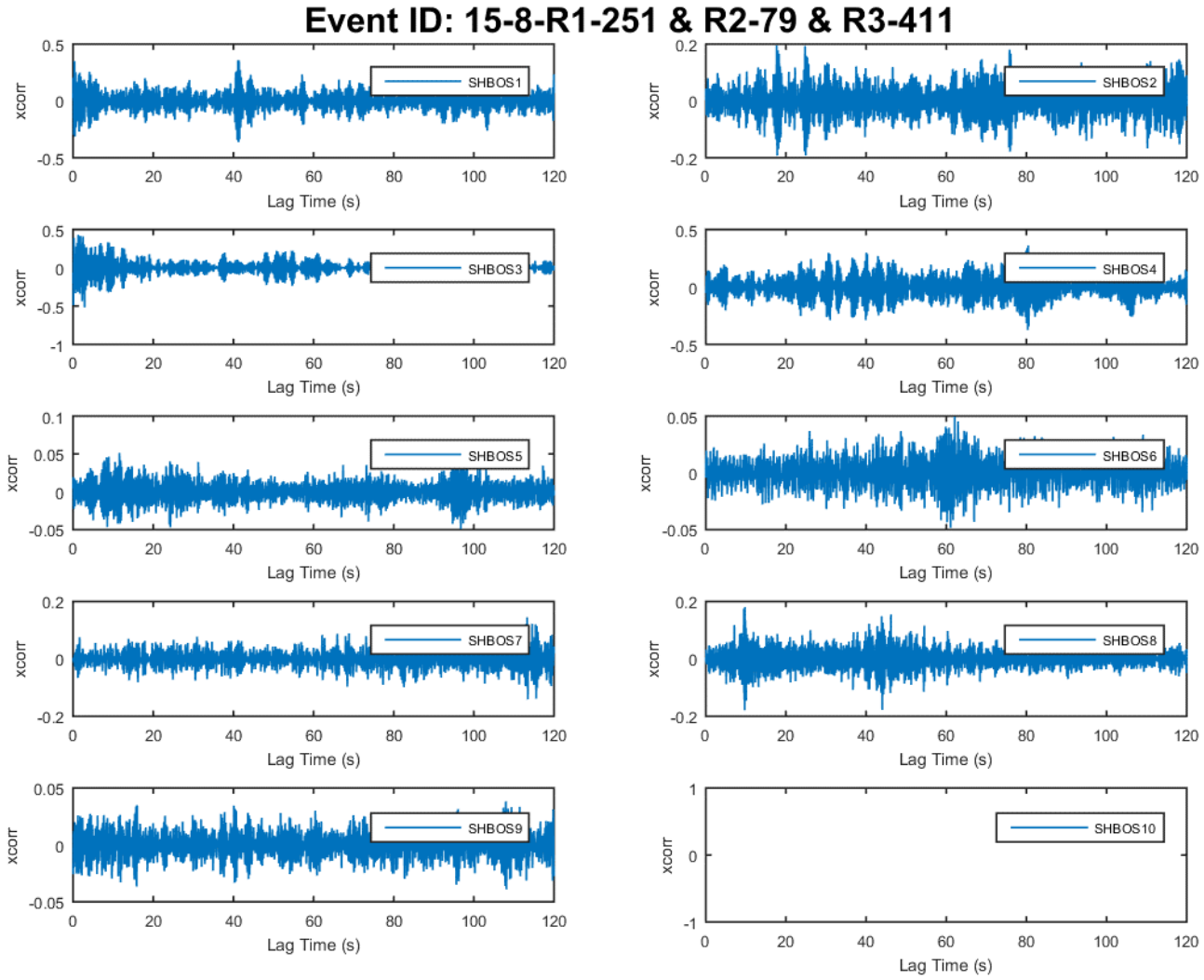


FIGURE 3.1080: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-251 & R2-79 & R3-411

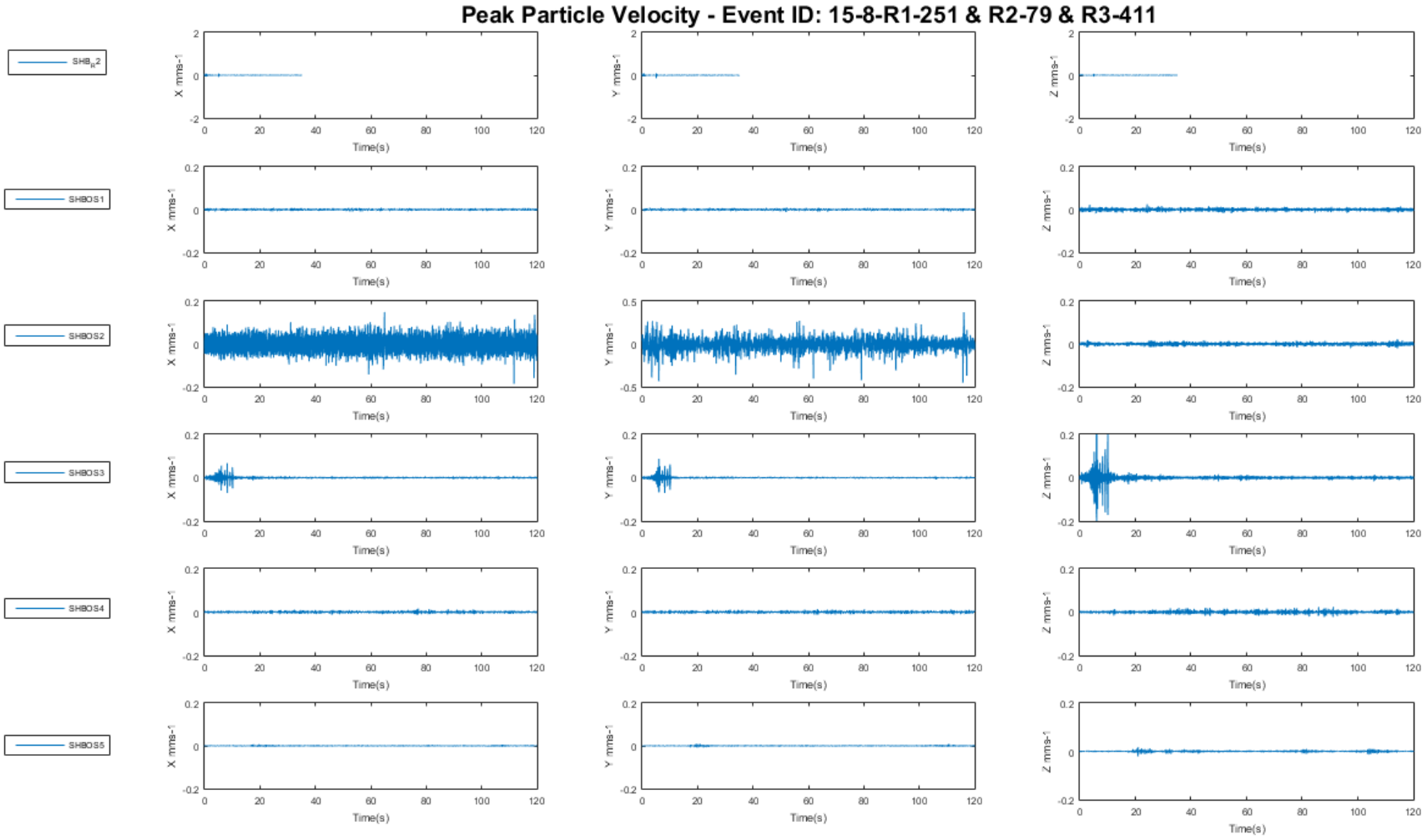


FIGURE 3.1081: SHB_OS 1 - 5 15-8-R1-251 & R2-79 & R3-411

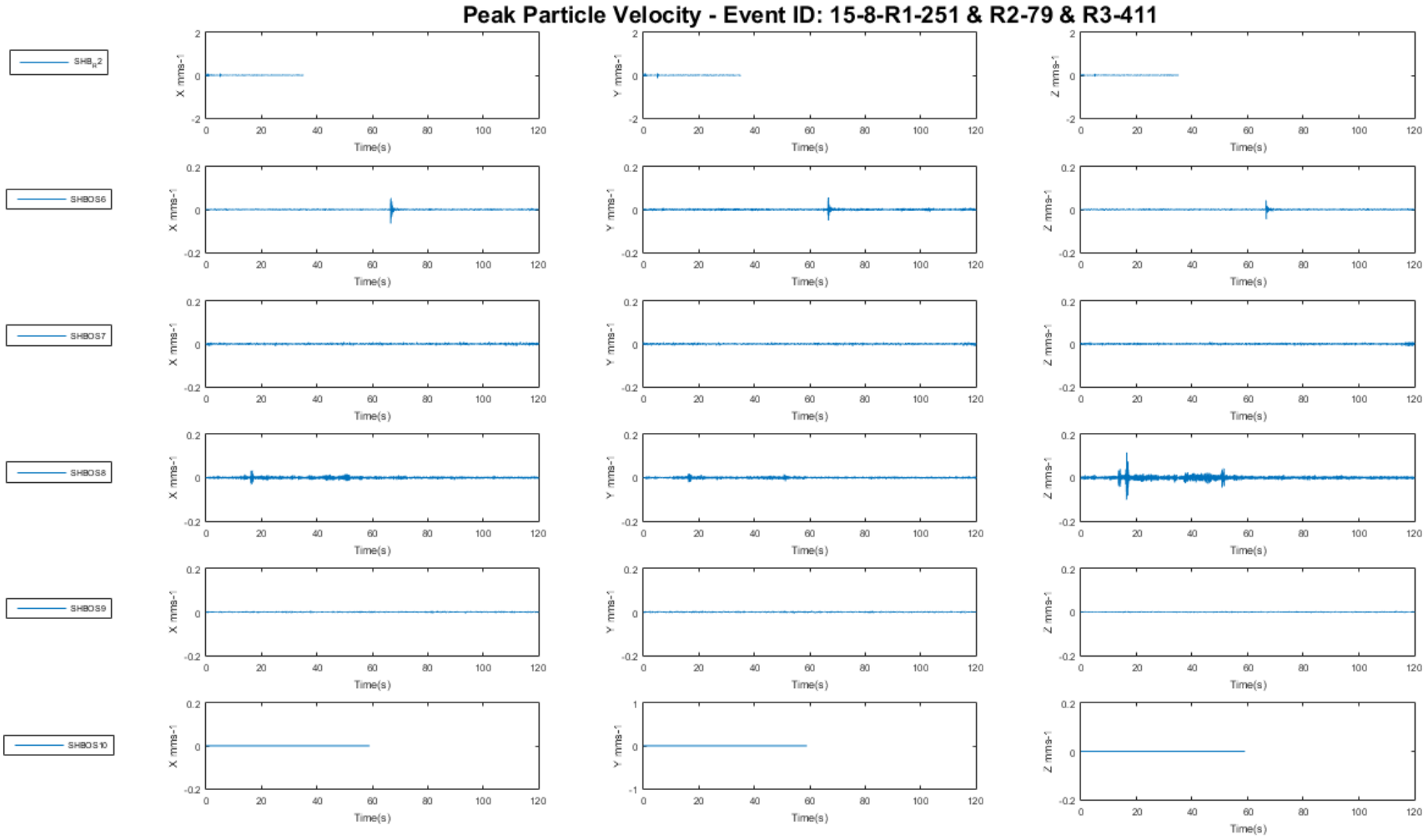


FIGURE 3.1082: SHB_OS 6 - 10 15-8-R1-251 & R2-79 & R3-411

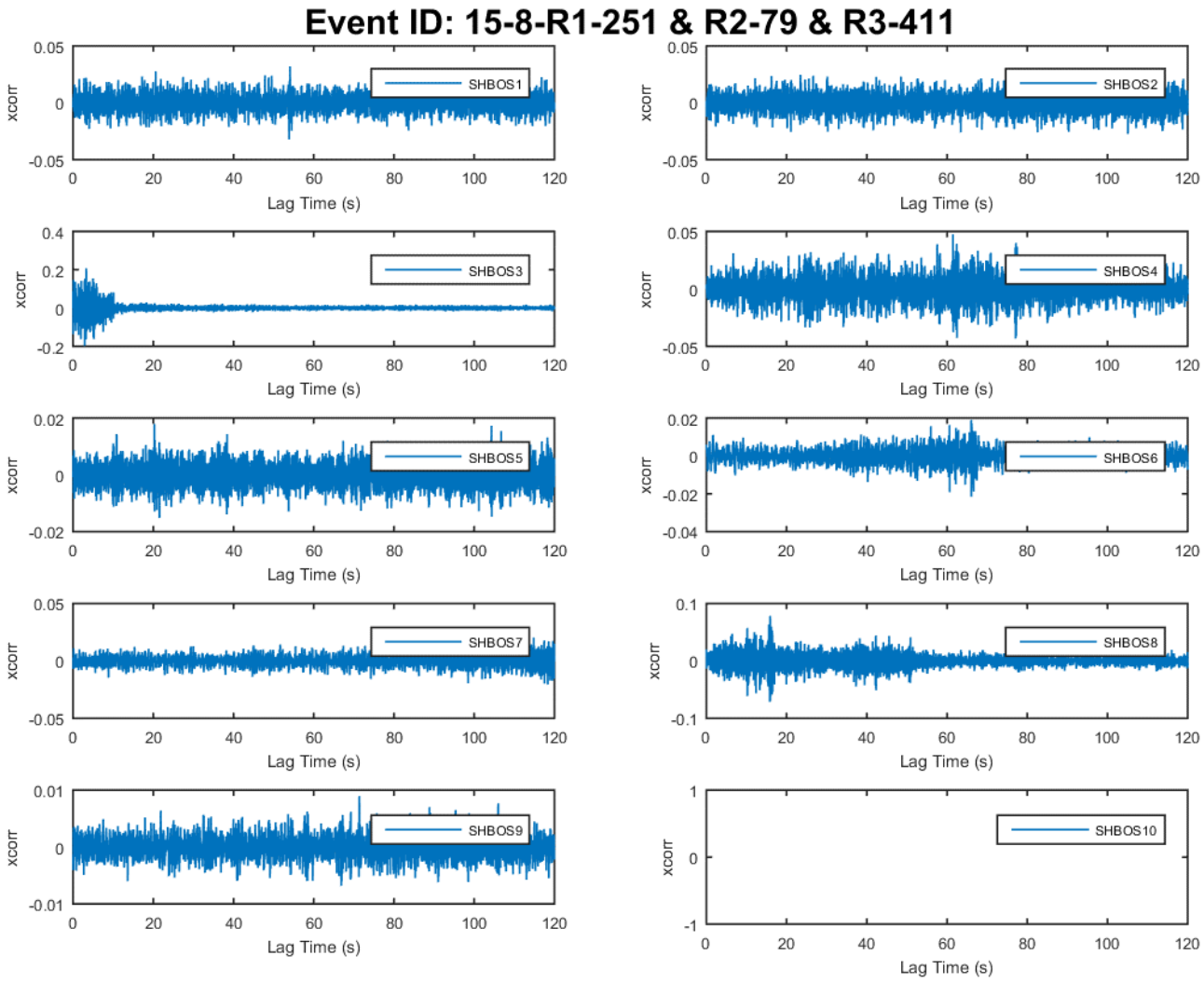


FIGURE 3.1083: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-251 & R2-79 & R3-411

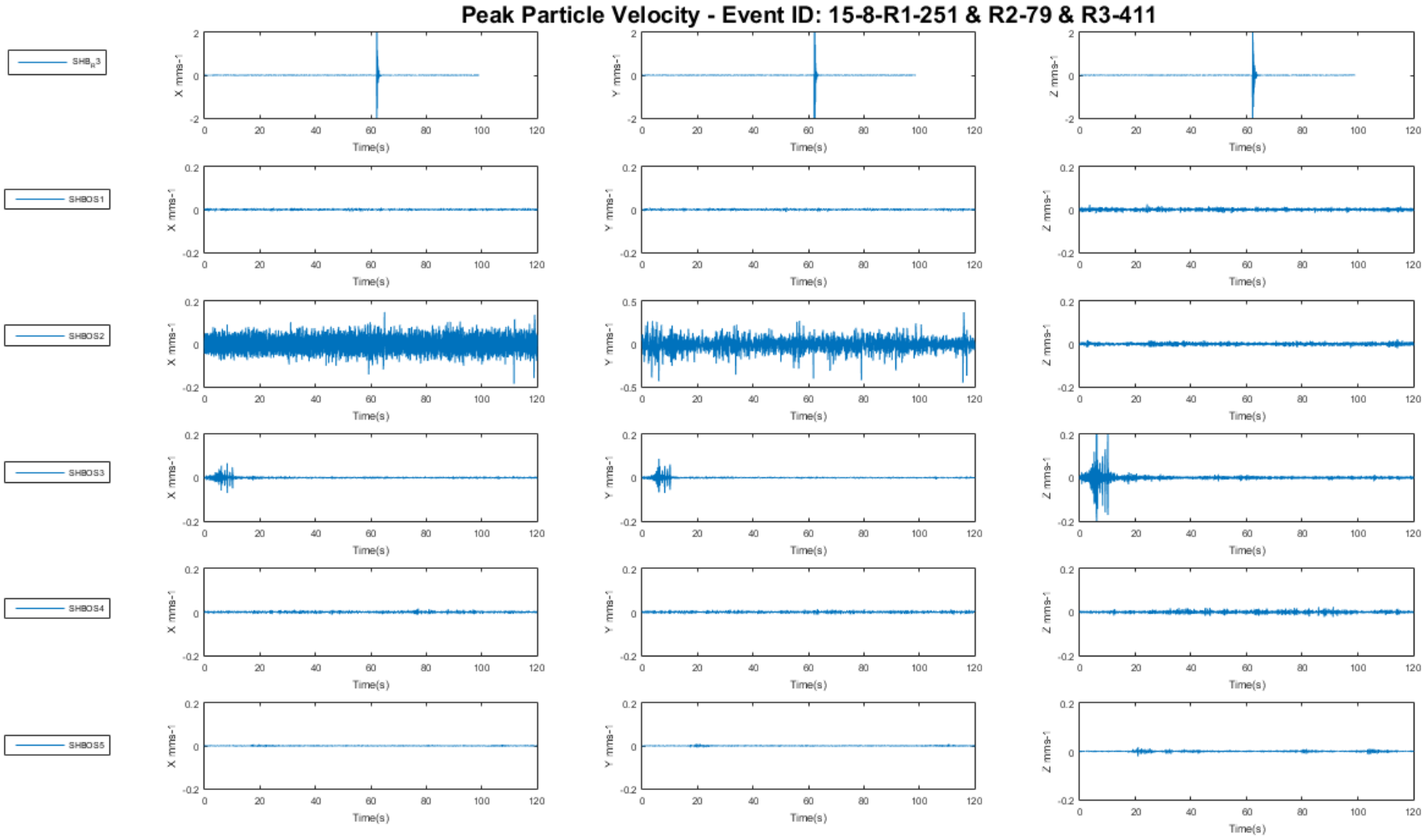


FIGURE 3.1084: SHB_OS 1 - 5 15-8-R1-251 & R2-79 & R3-411

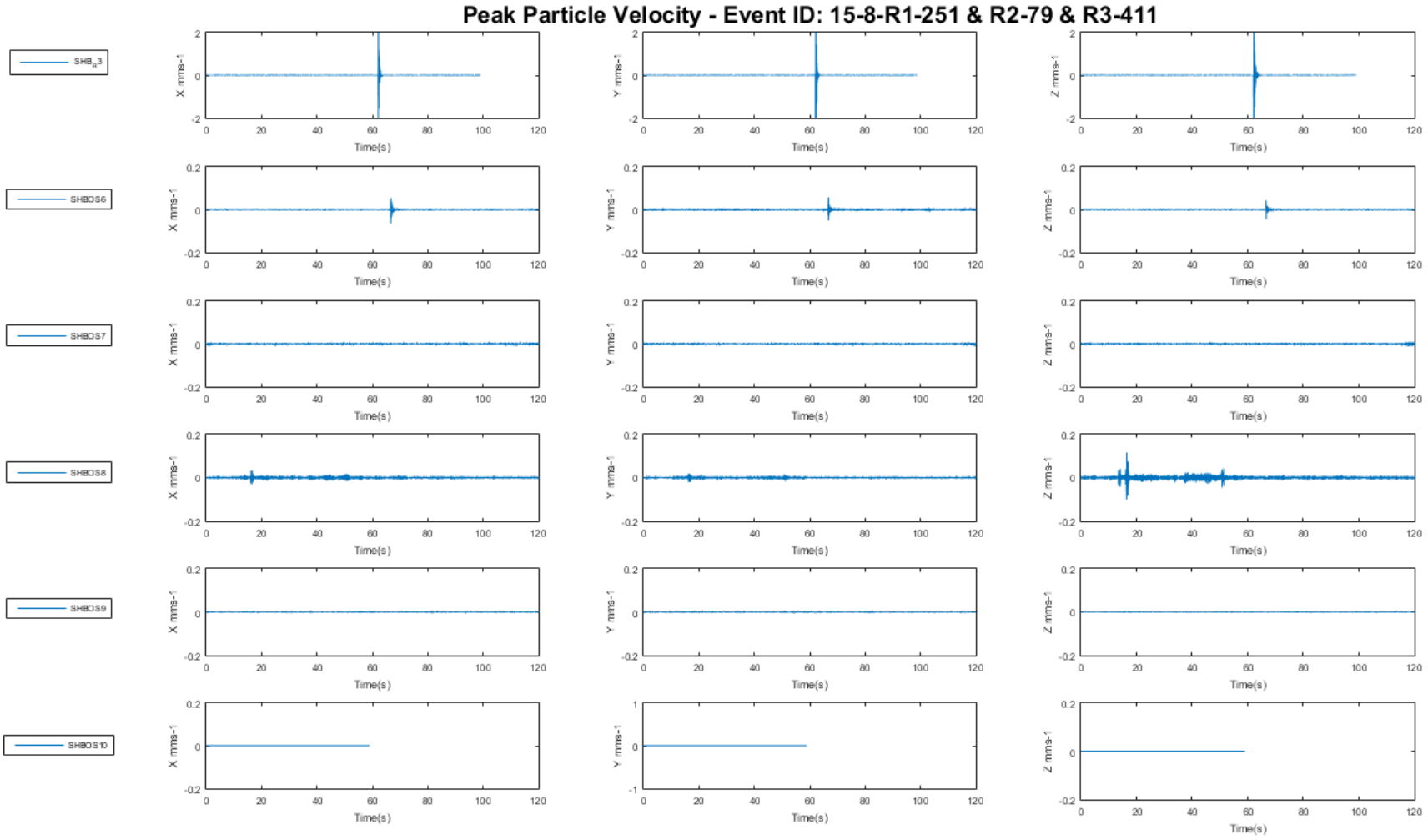


FIGURE 3.1085: SHB_OS 6 - 10 15-8-R1-251 & R2-79 & R3-411

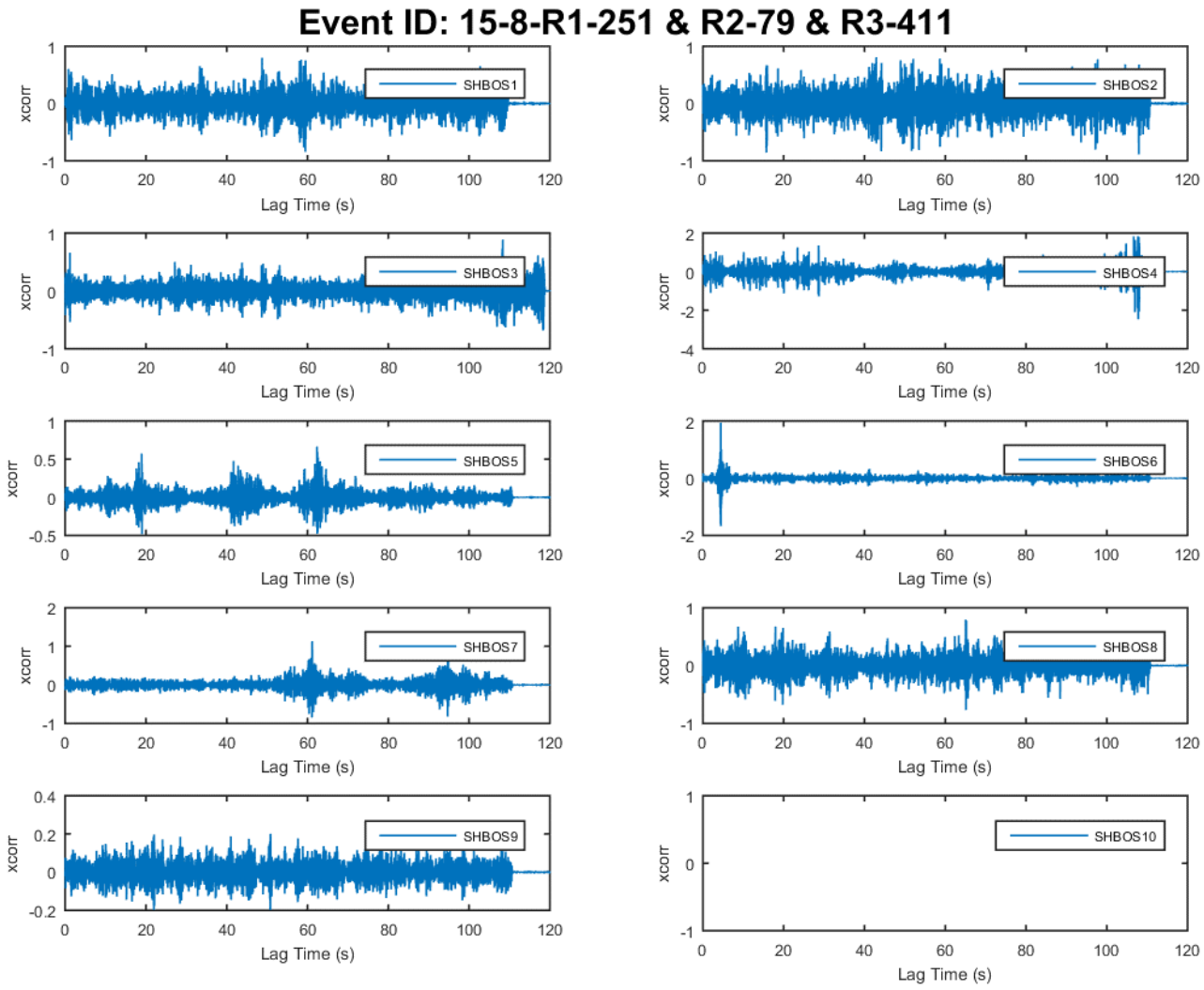


FIGURE 3.1086: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-251 & R2-79 & R3-411

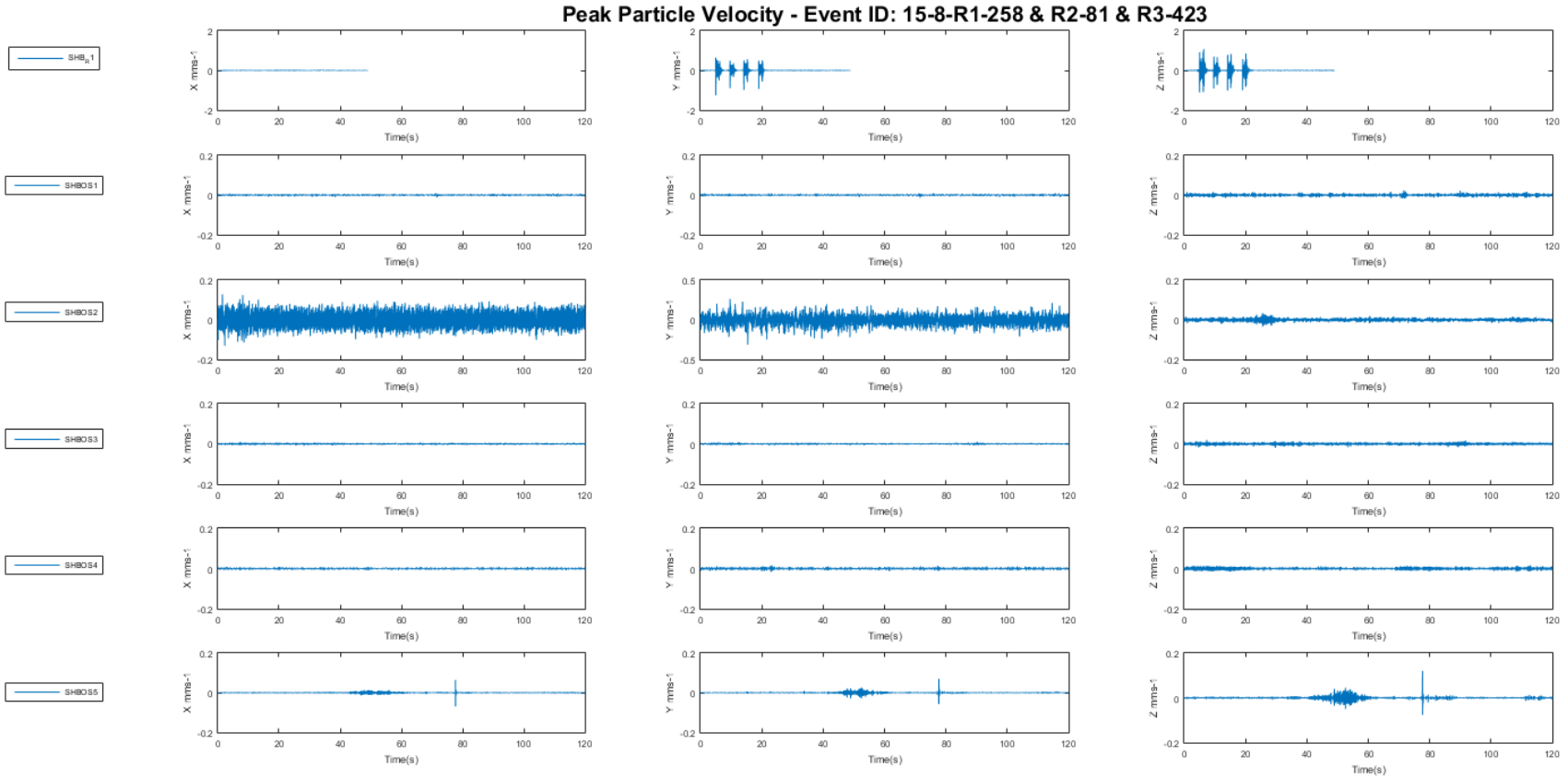
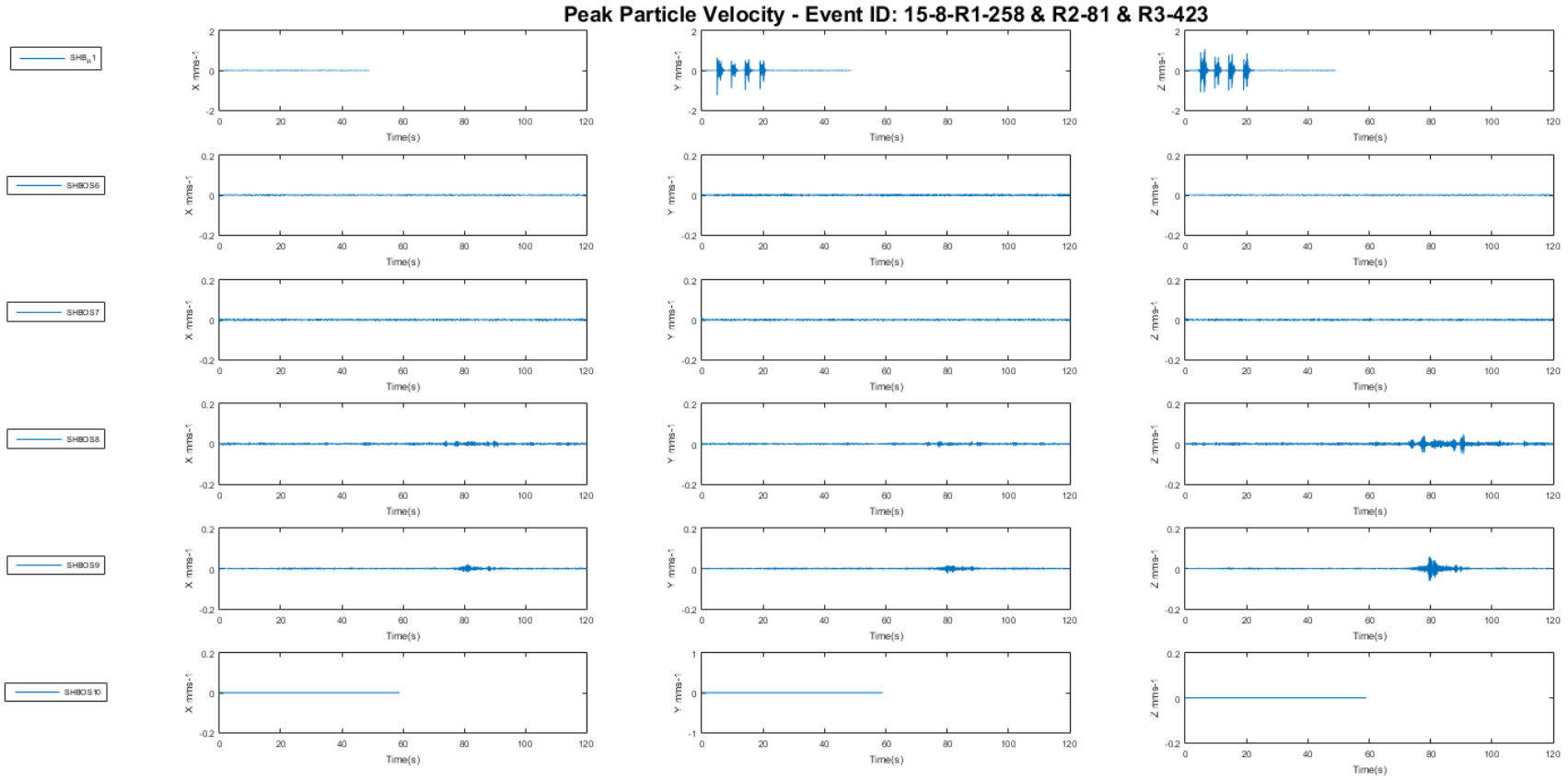


FIGURE 3.1087: SHB_OS 1 - 5 15-8-R1-258 & R2-81 & R3-423

FIGURE 3.1088: SHB_OS 6 - 10 15-8-R1-258 & R2-81 & R3-423



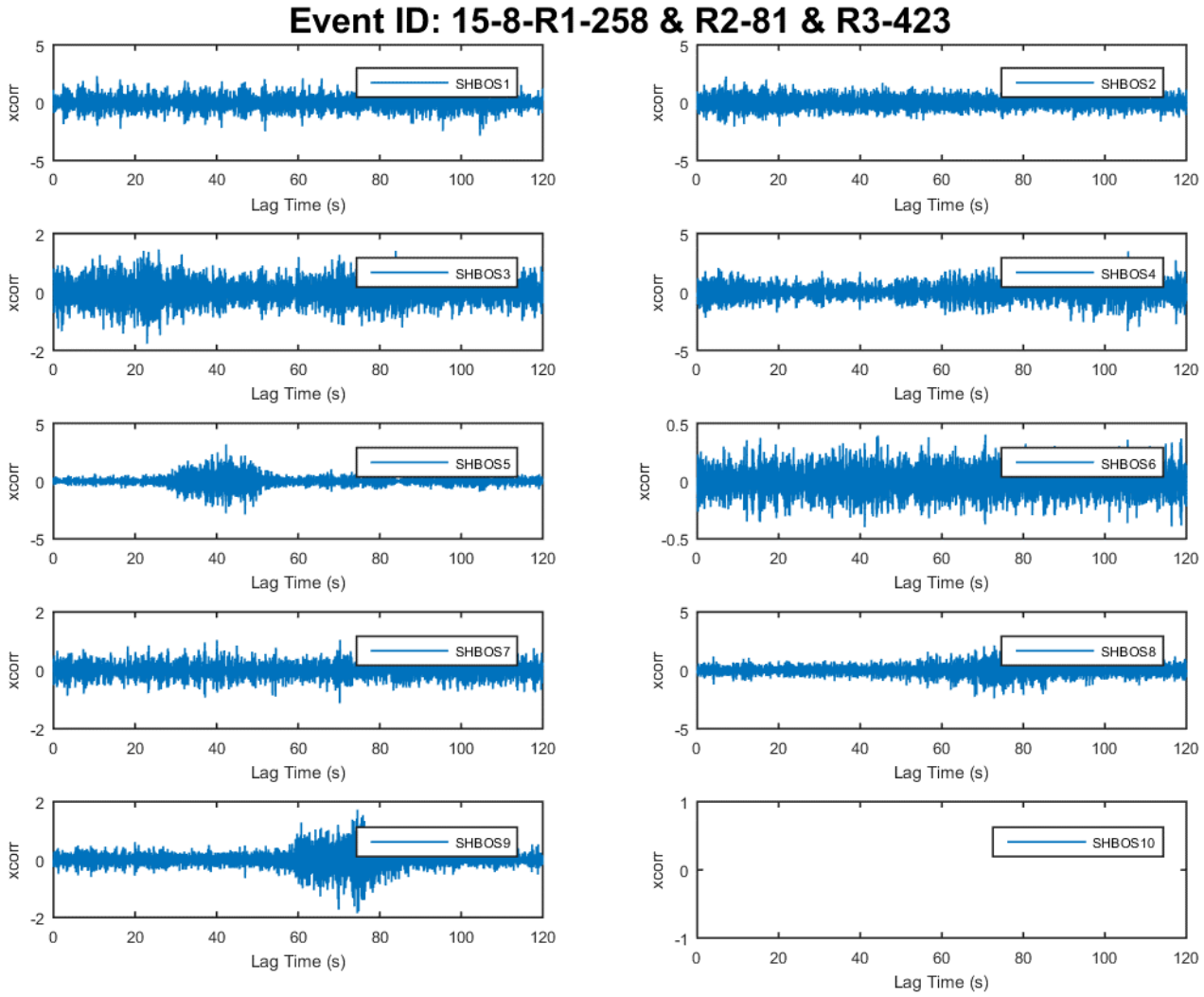


FIGURE 3.1089: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-258 & R2-81 & R3-423

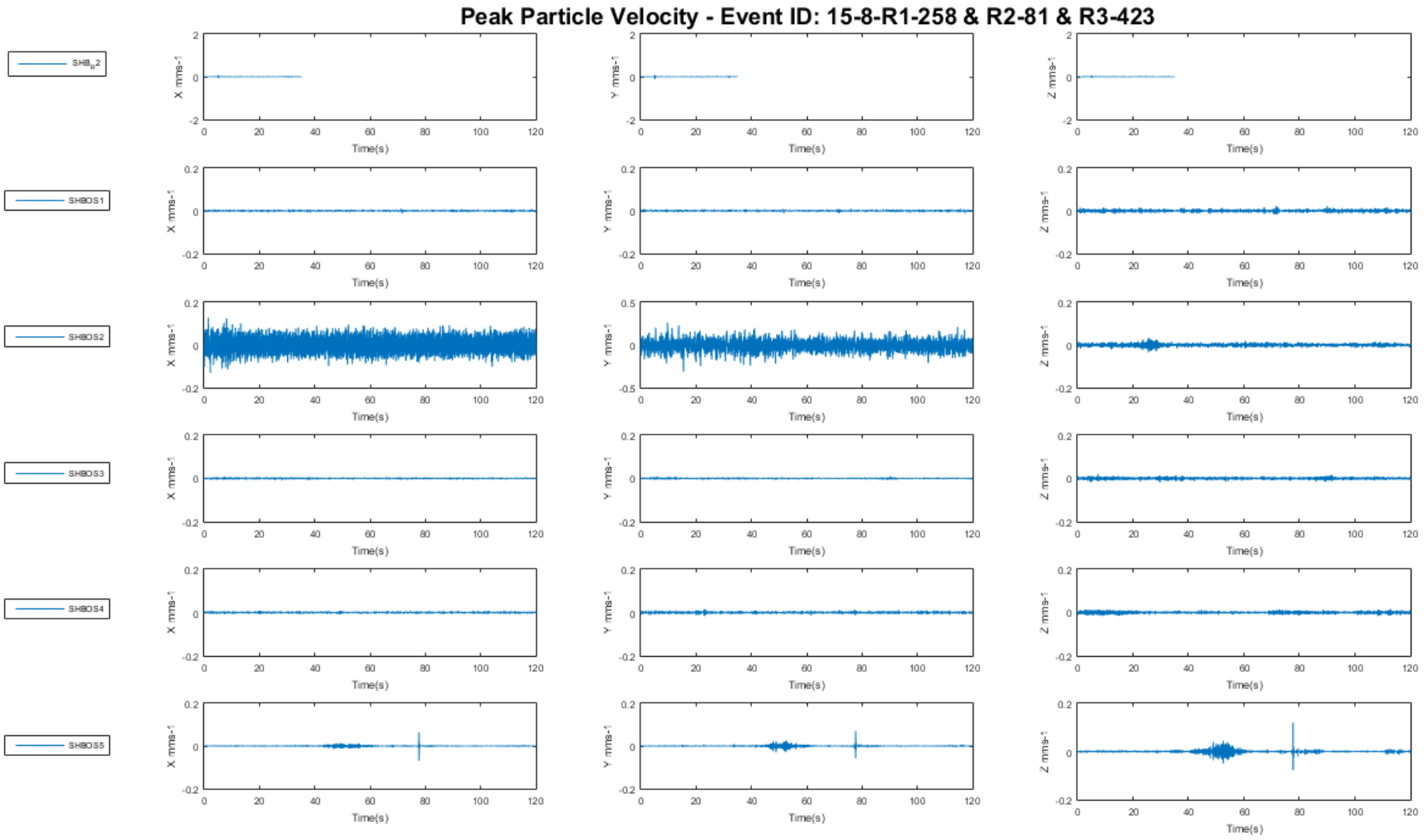


FIGURE 3.1090: SHB_OS 1 - 5 15-8-R1-258 & R2-81 & R3-423

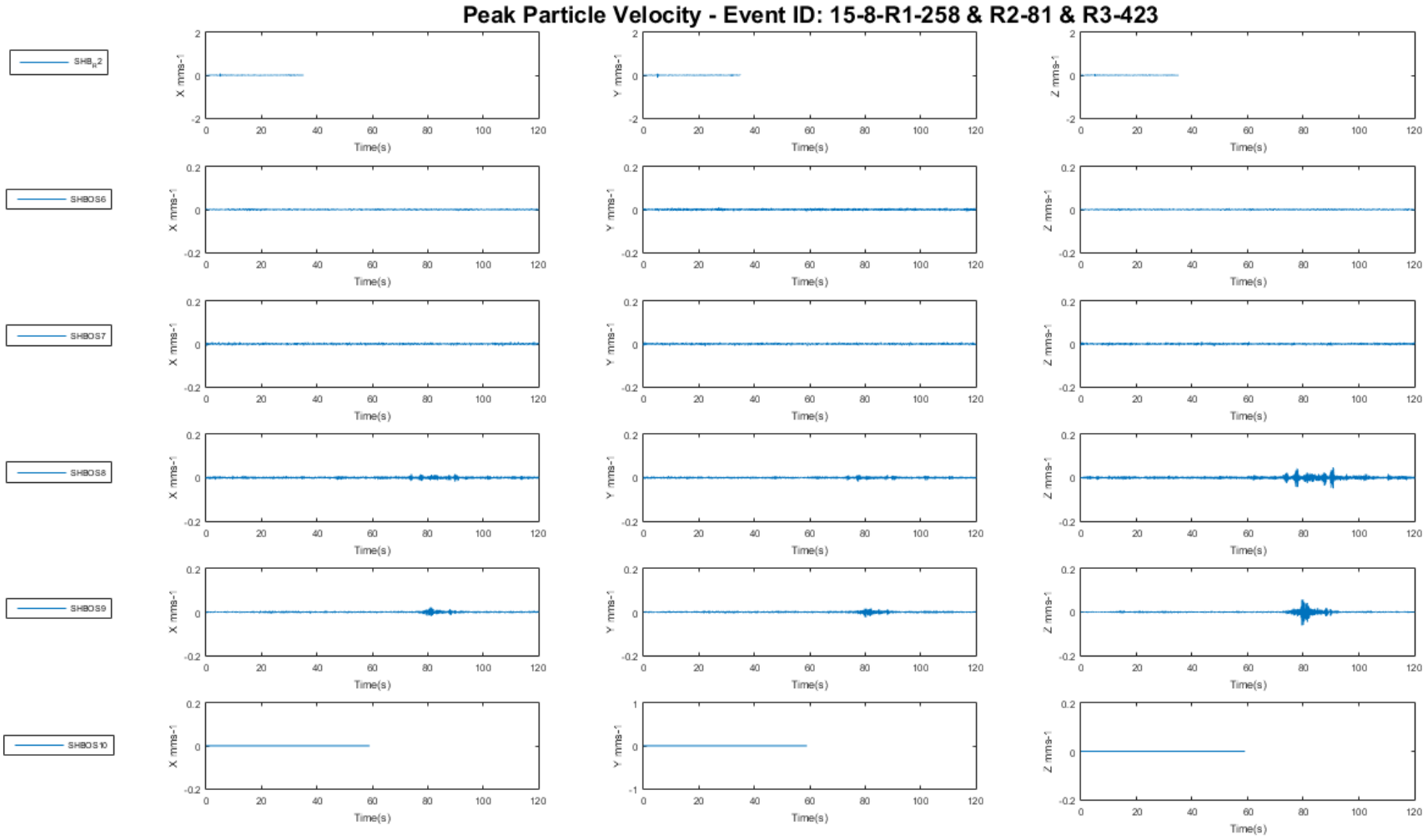


FIGURE 3.1091: SHB_OS 6 - 10 15-8-R1-258 & R2-81 & R3-423

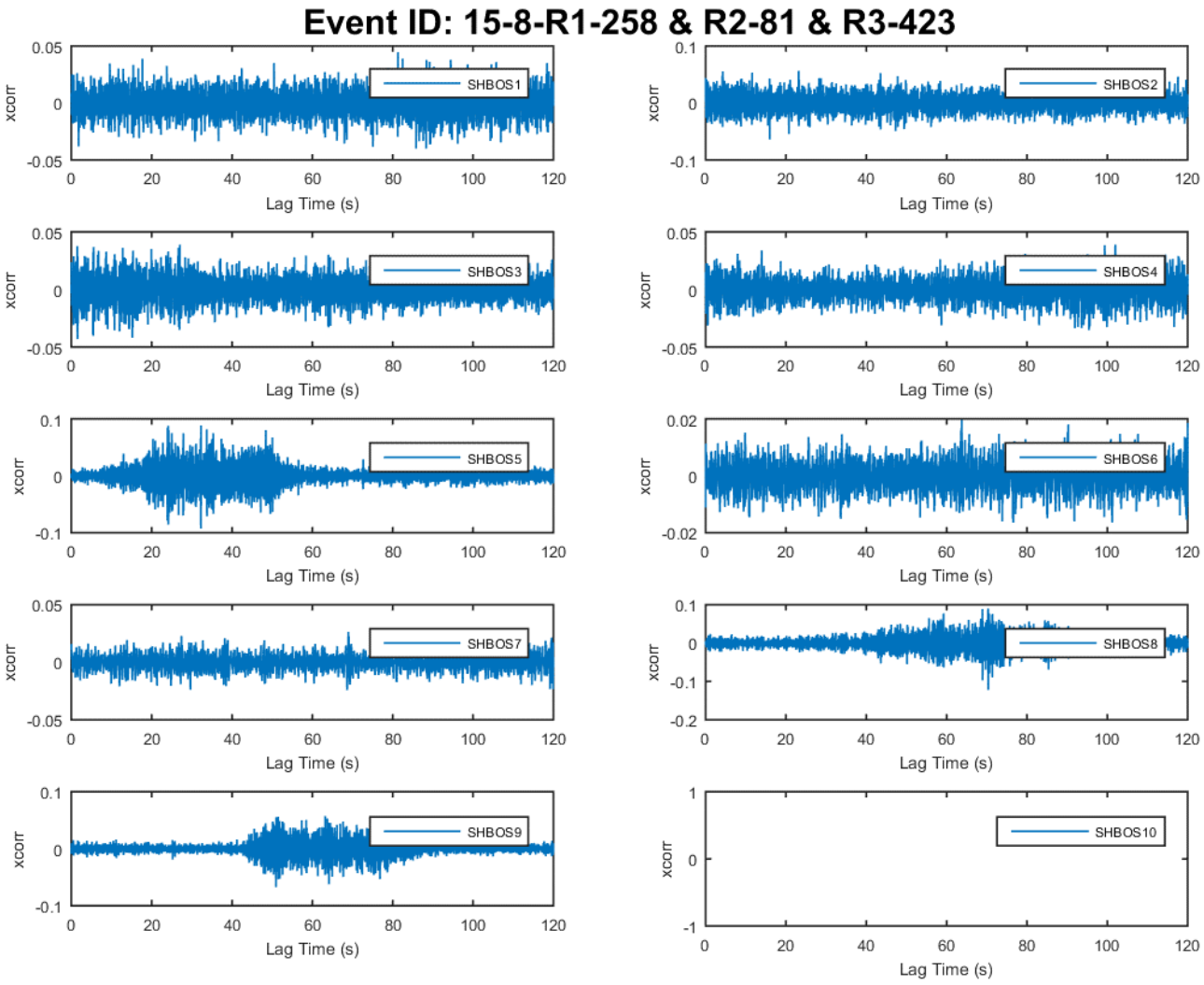


FIGURE 3.1092: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-258 & R2-81 & R3-423

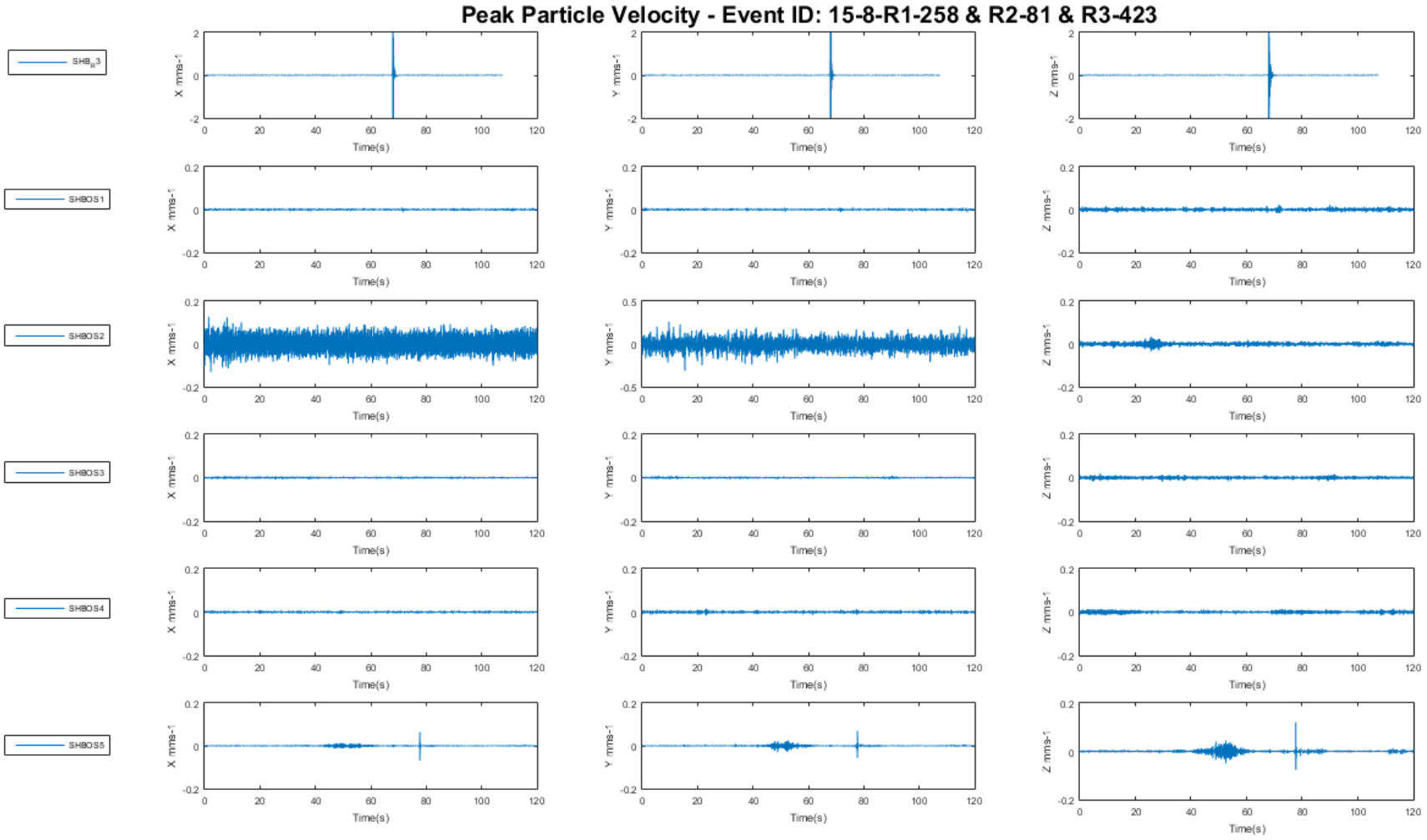


FIGURE 3.1093: SHB_OS 1 - 5 15-8-R1-258 & R2-81 & R3-423

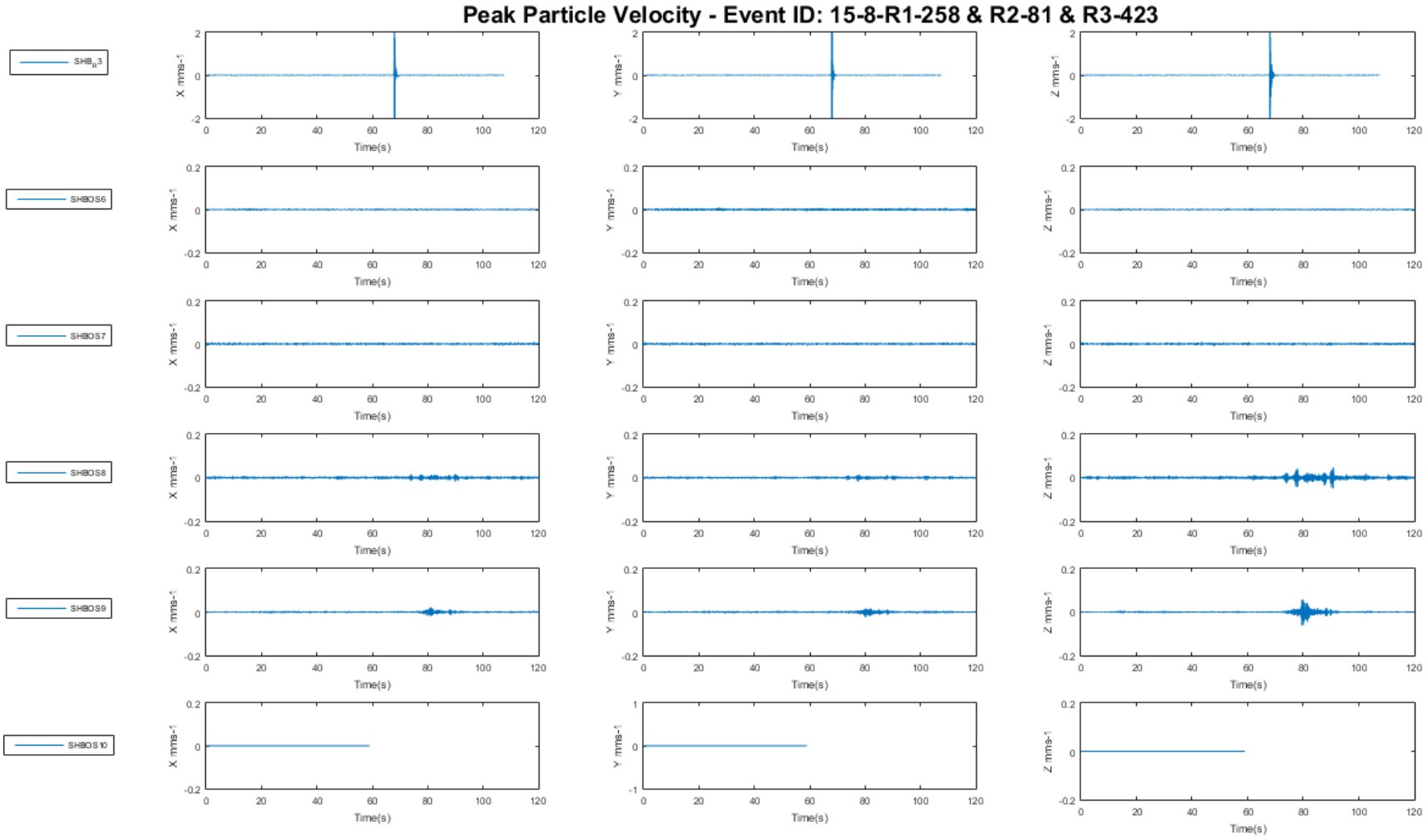


FIGURE 3.1094: SHB_OS 6 - 10 15-8-R1-258 & R2-81 & R3-423

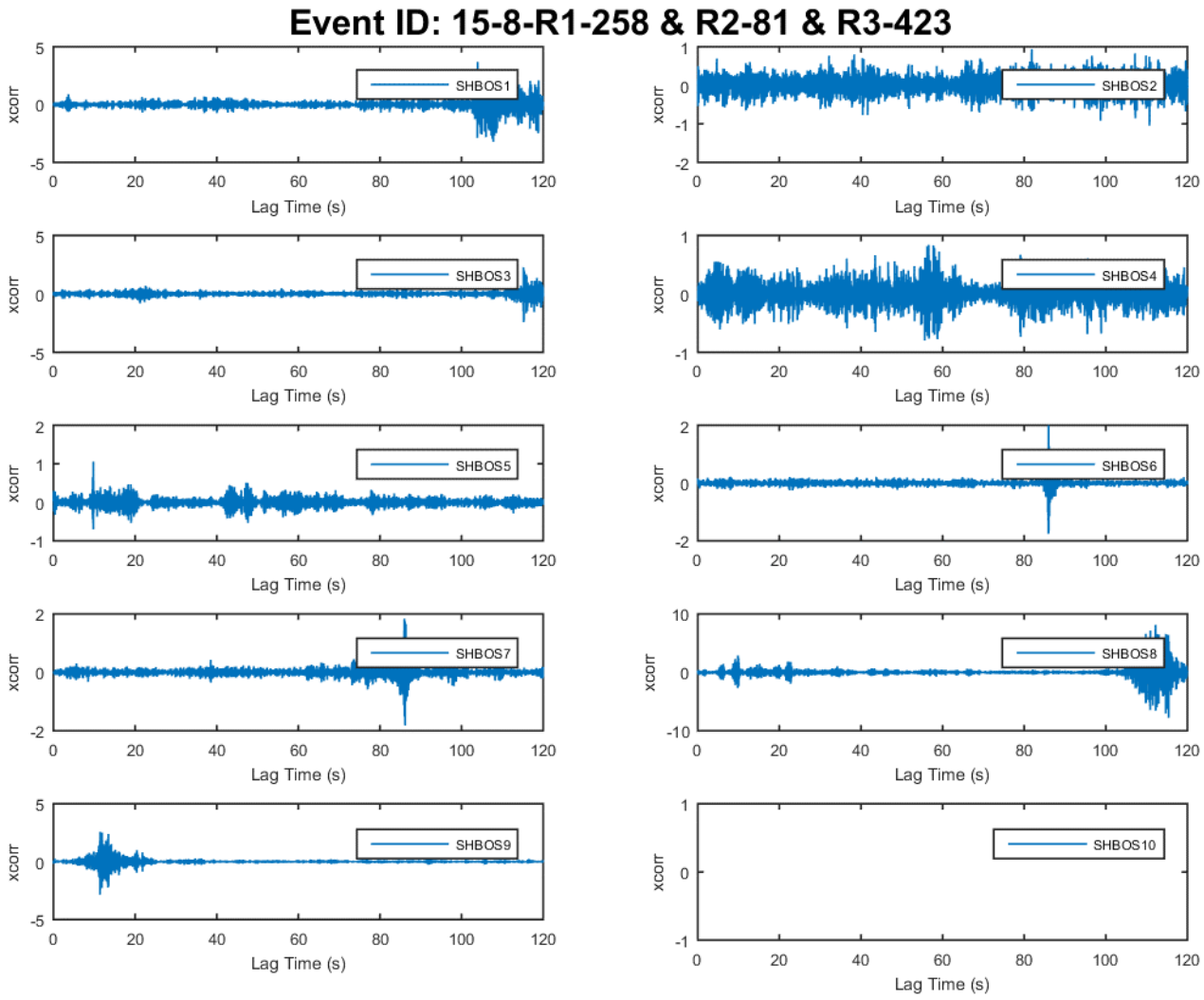


FIGURE 3.1095: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-258 & R2-81 & R3-423

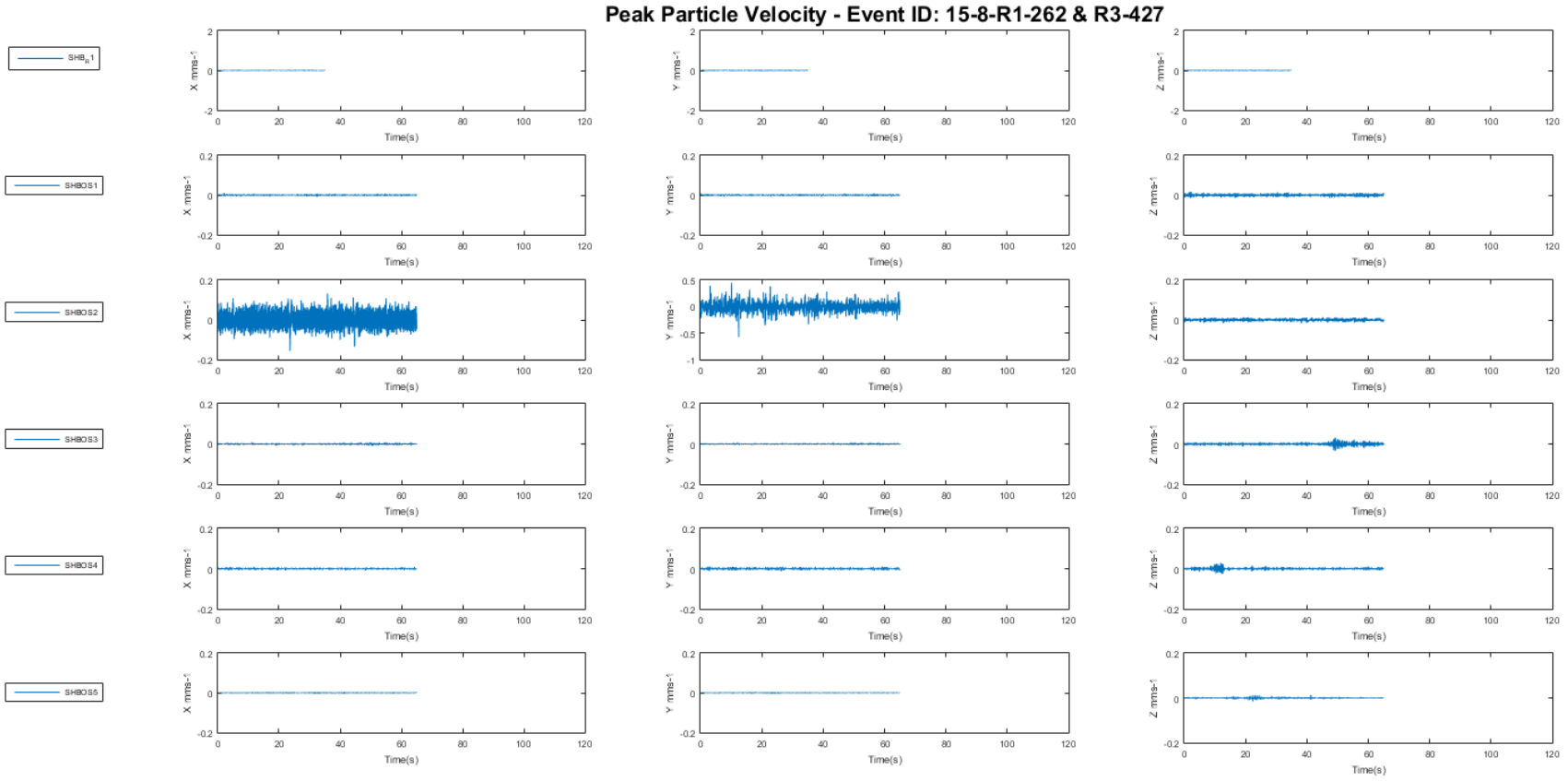
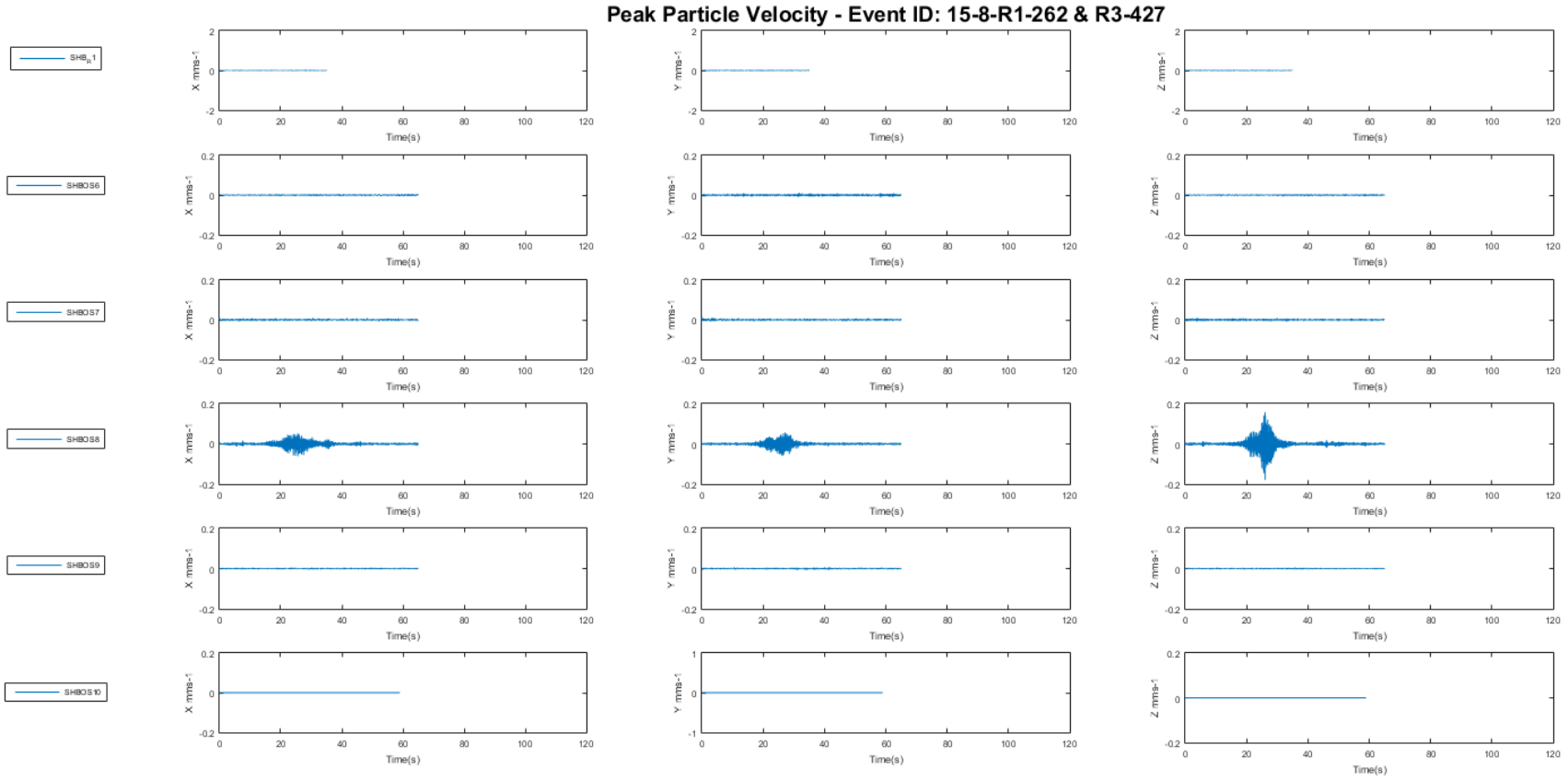


FIGURE 3.1096: SHB_OS 1 - 5 15-8-R1-262 & R3-427

FIGURE 3.1097: SHB_OS 6 - 10 15-8-R1-262 & R3-427



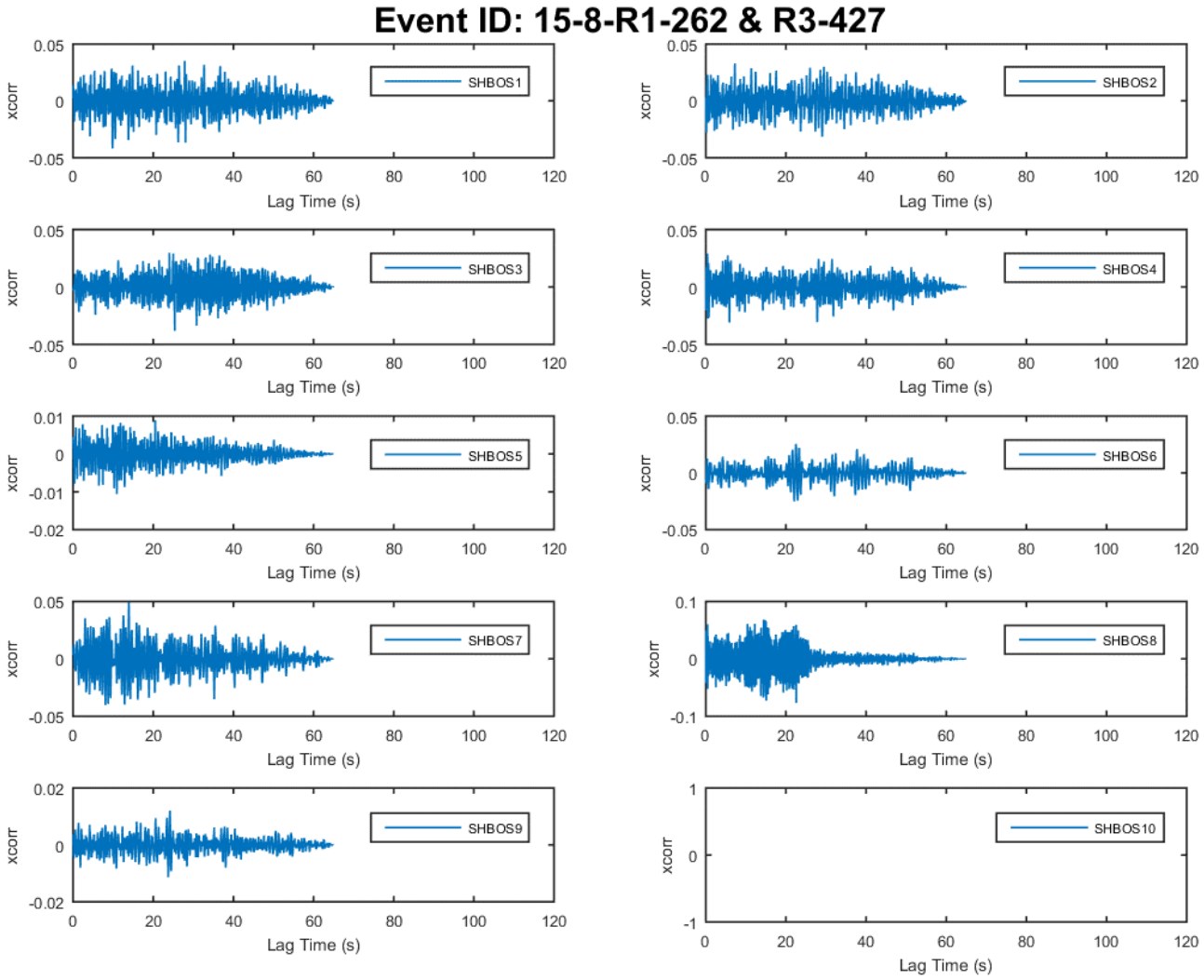


FIGURE 3.1098: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-262 & R3-427

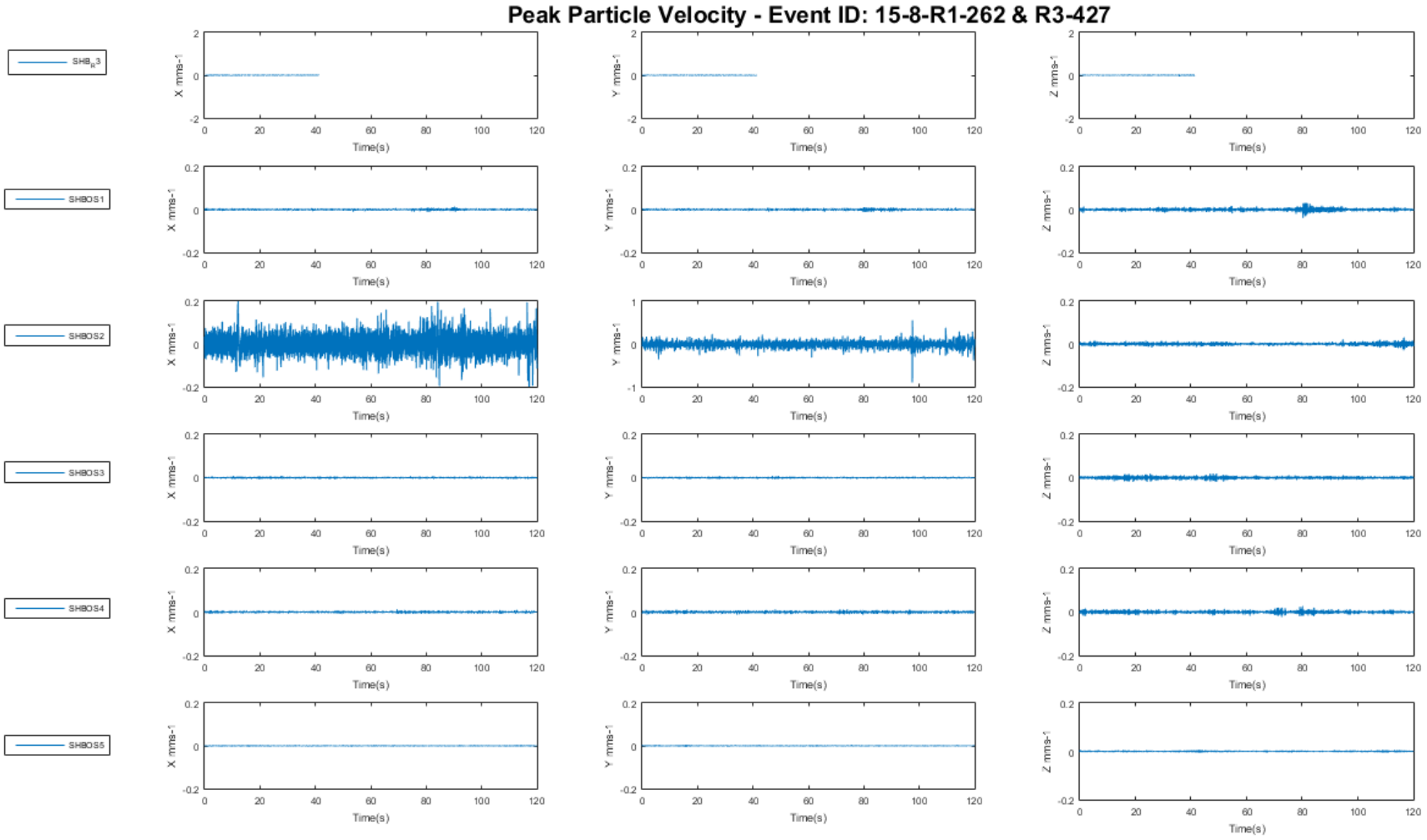


FIGURE 3.1099: SHB_OS 1 - 5 15-8-R1-262 & R3-427

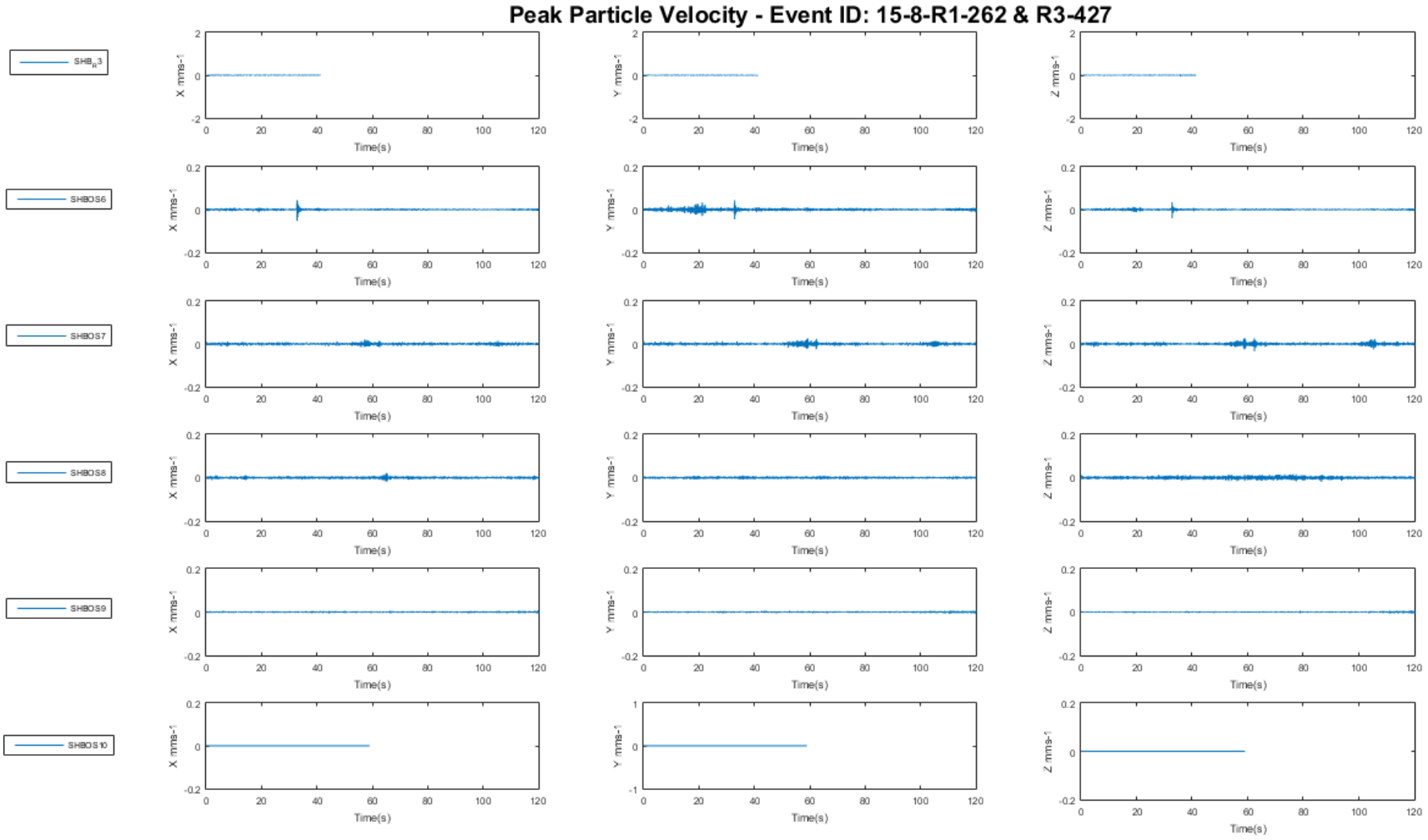


FIGURE 3.1100: SHB_OS 6 - 10 15-8-R1-262 & R3-427

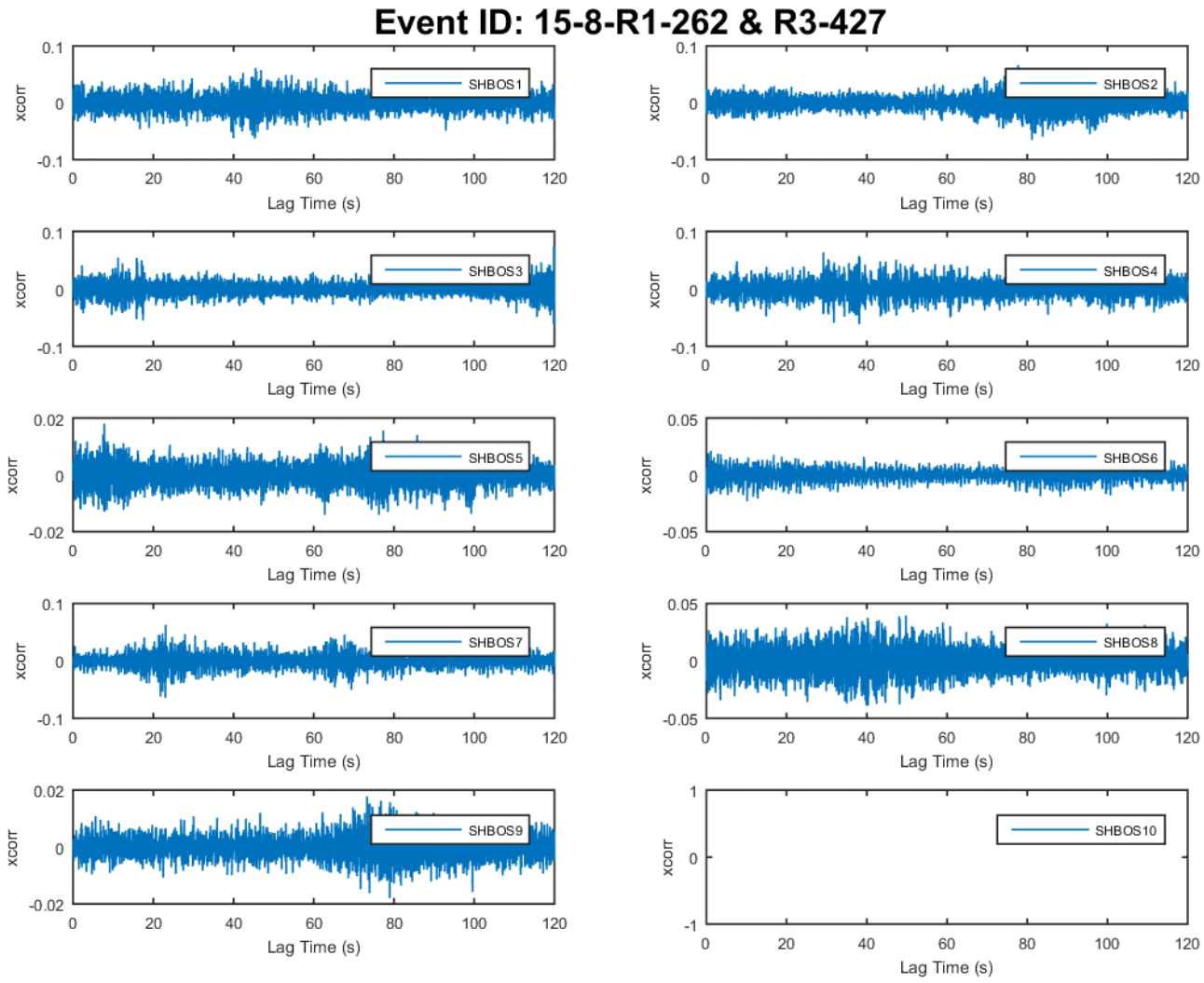


FIGURE 3.1101: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-262 & R3-427

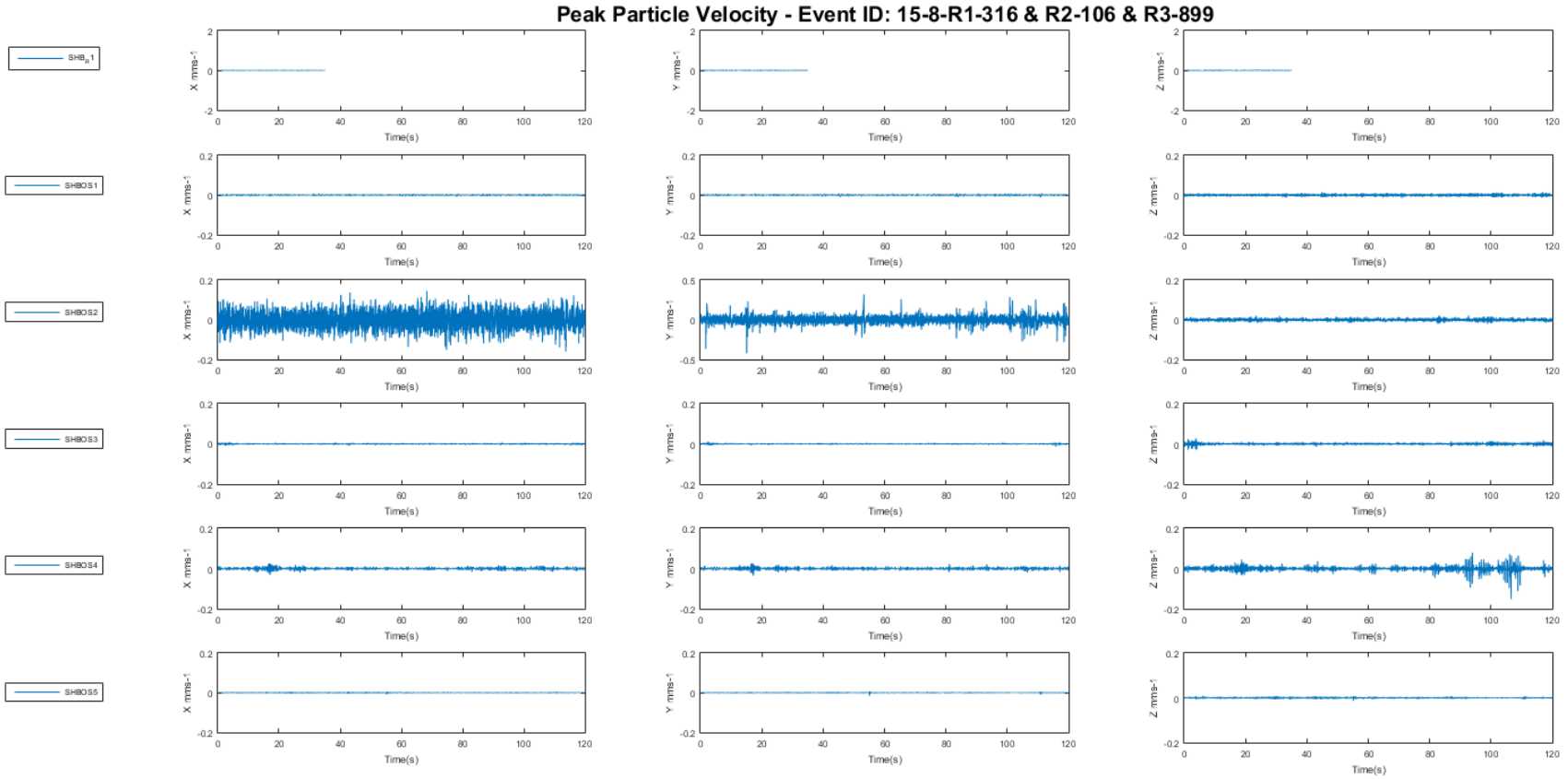
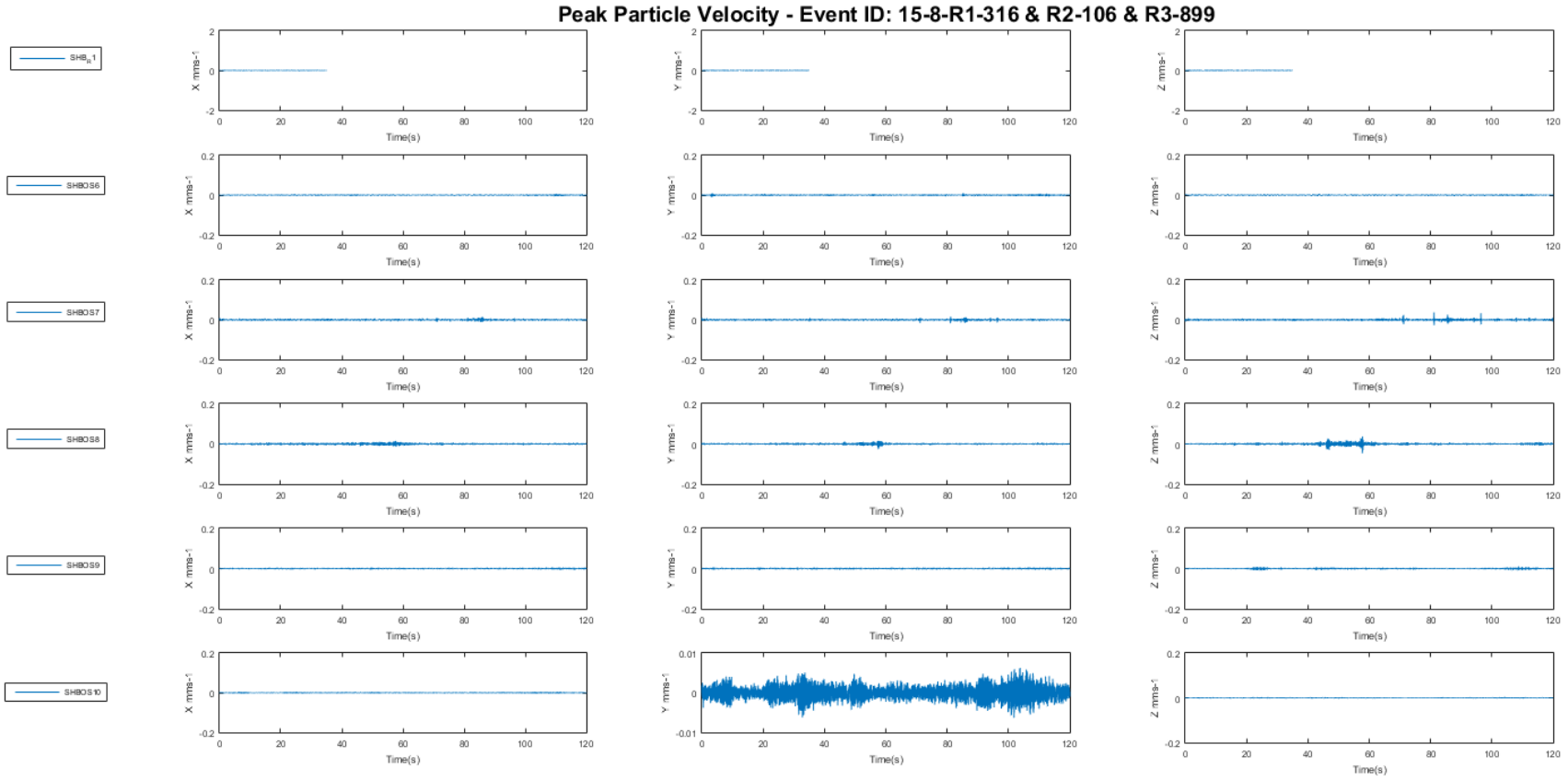


FIGURE 3.1102: SHB_OS 1 - 5 15-8-R1-316 & R2-106 & R3-899

FIGURE 3.1103: SHB_OS 6 - 10 15-8-R1-316 & R2-106 & R3-899



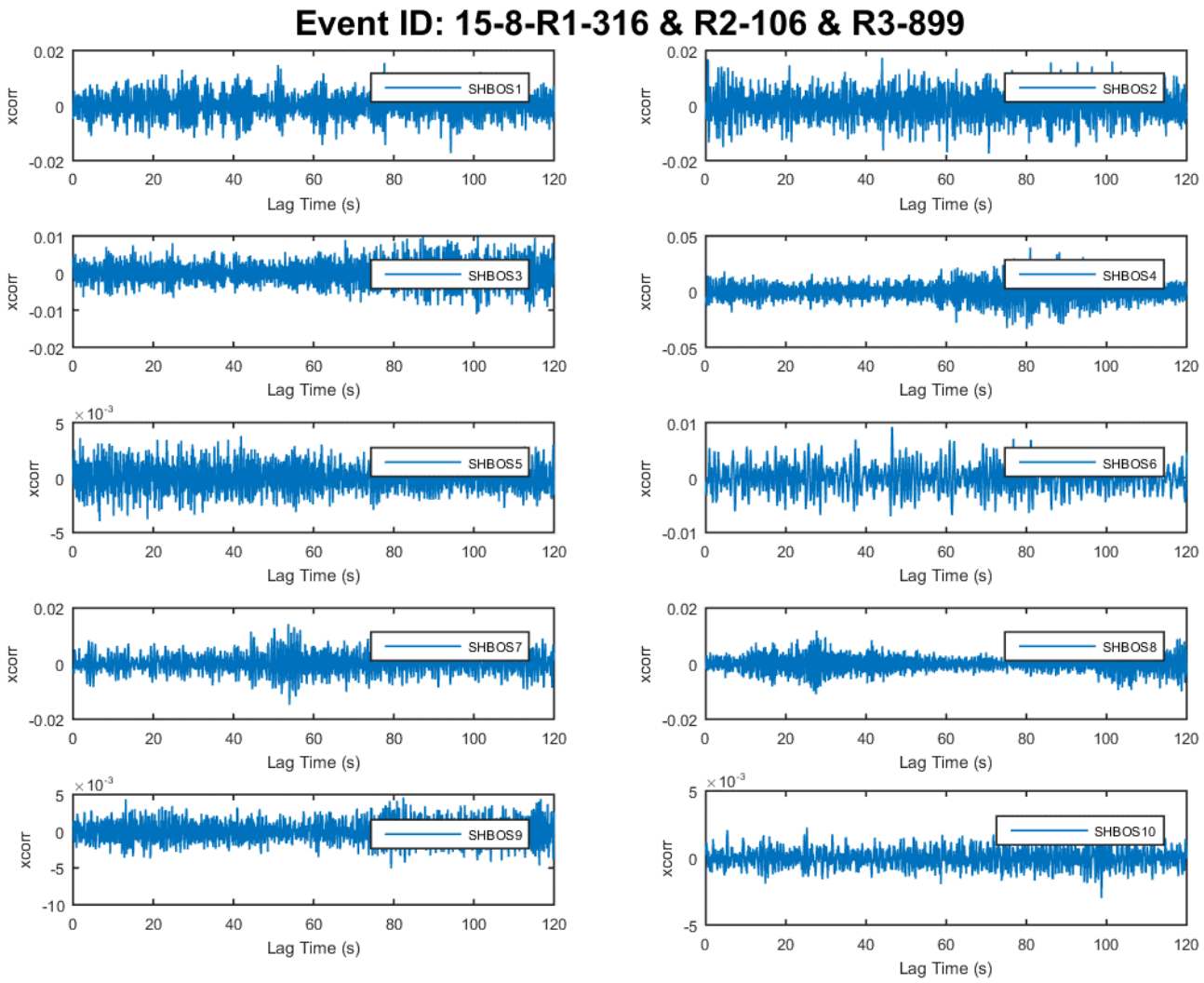


FIGURE 3.1104: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-316 & R2-106 & R3-899

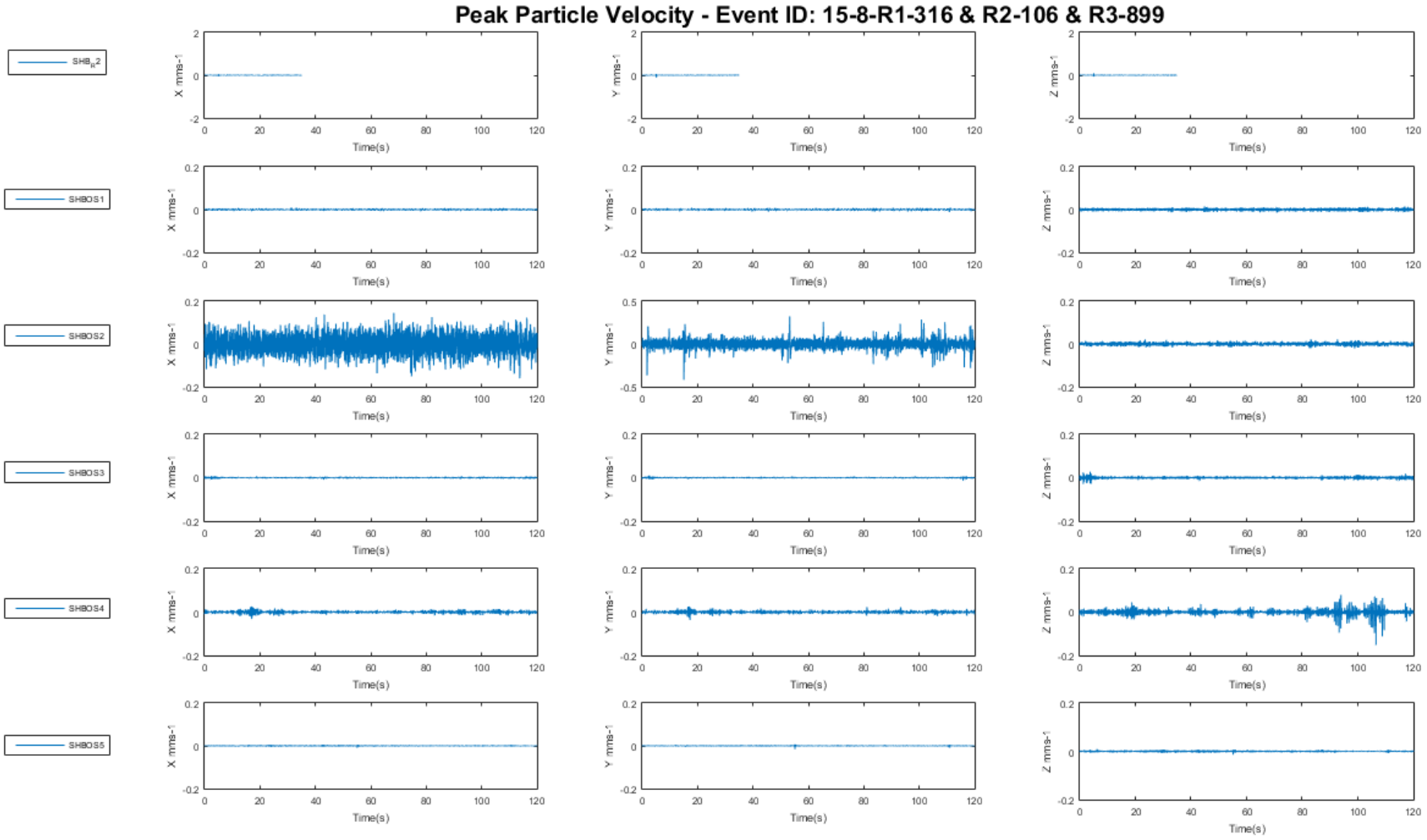


FIGURE 3.1105: SHB_OS 1 - 5 15-8-R1-316 & R2-106 & R3-899

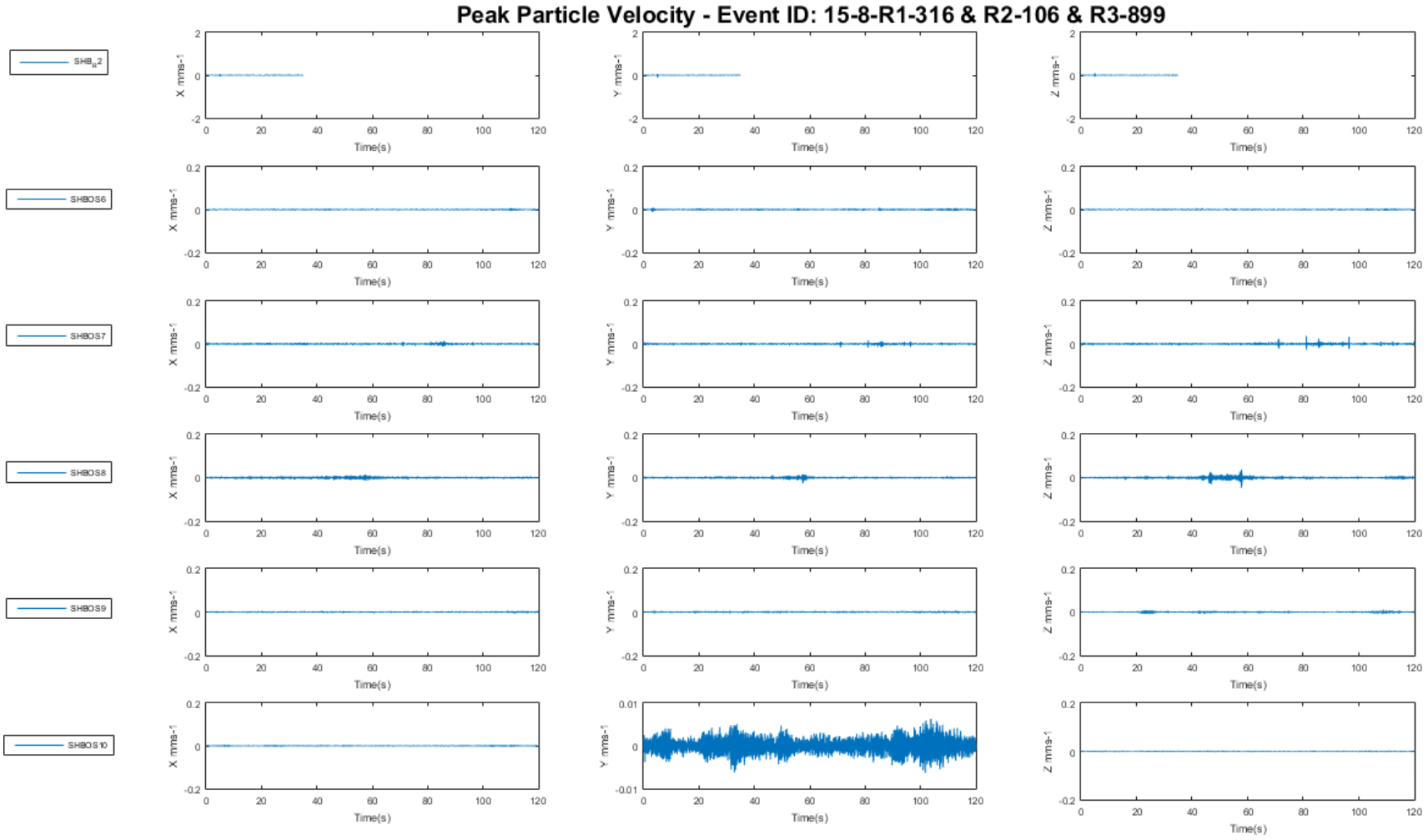


FIGURE 3.1106: SHB_OS 6 - 10 15-8-R1-316 & R2-106 & R3-899

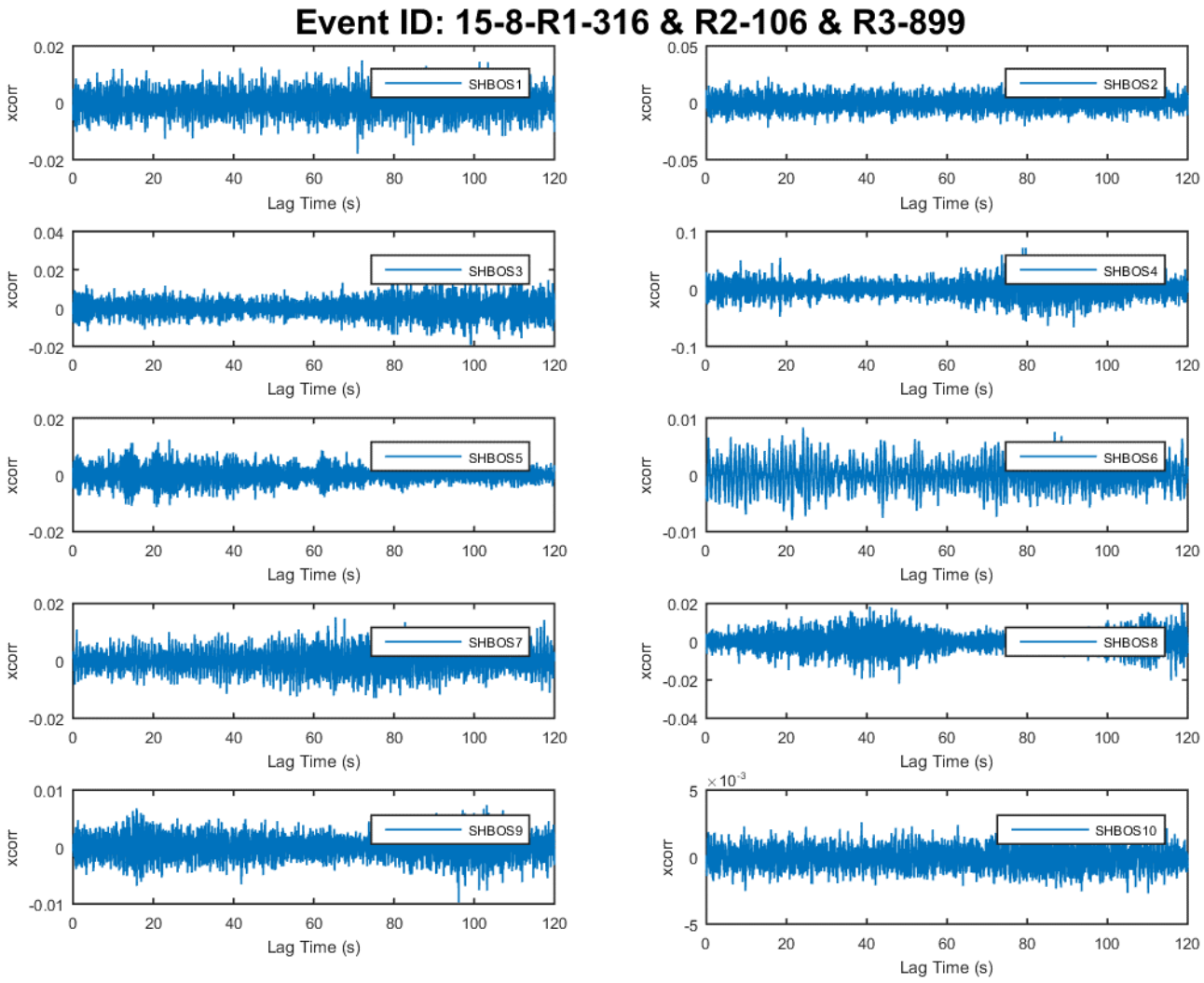


FIGURE 3.1107: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-316 & R2-106 & R3-899

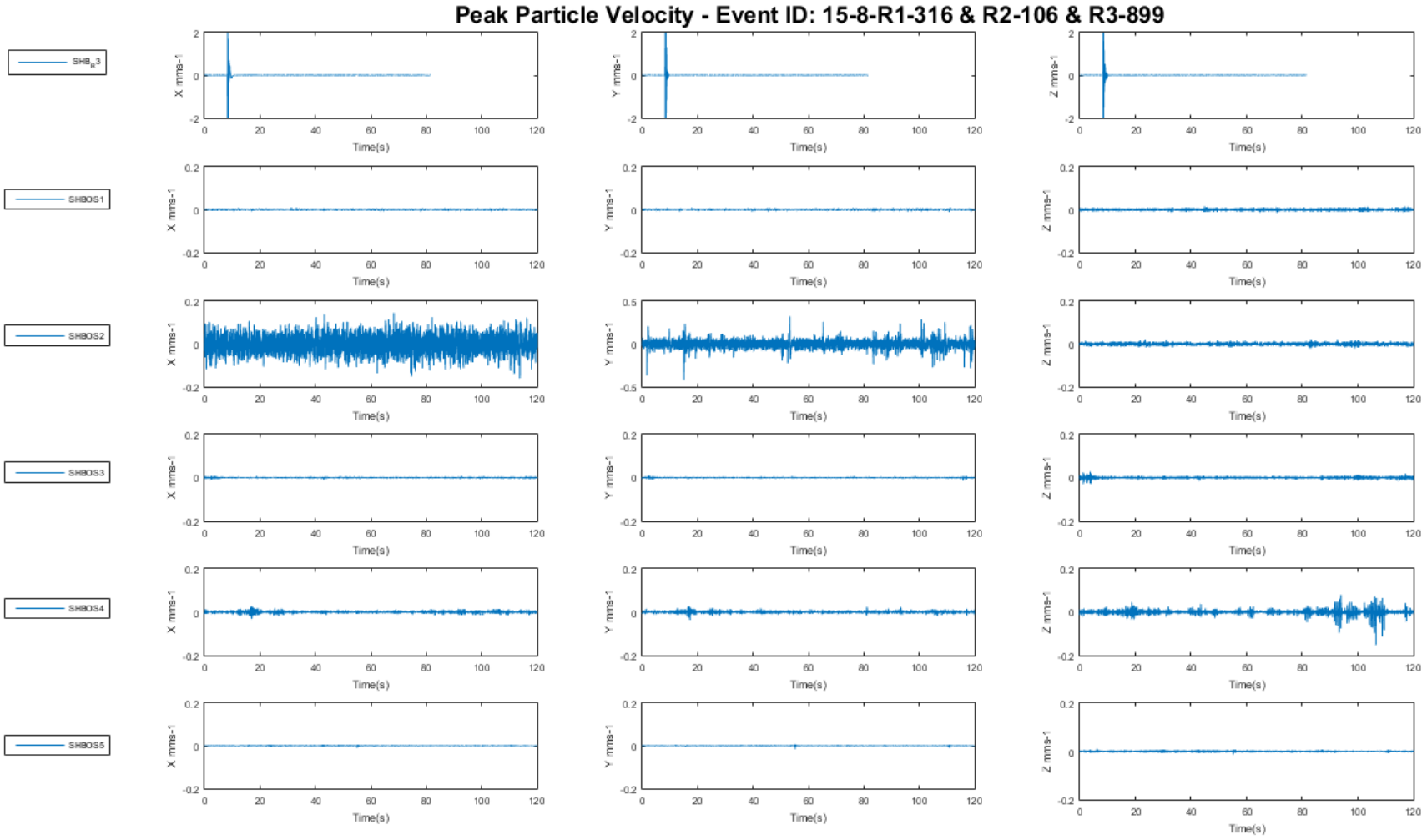


FIGURE 3.1108: SHB_OS 1 - 5 15-8-R1-316 & R2-106 & R3-899

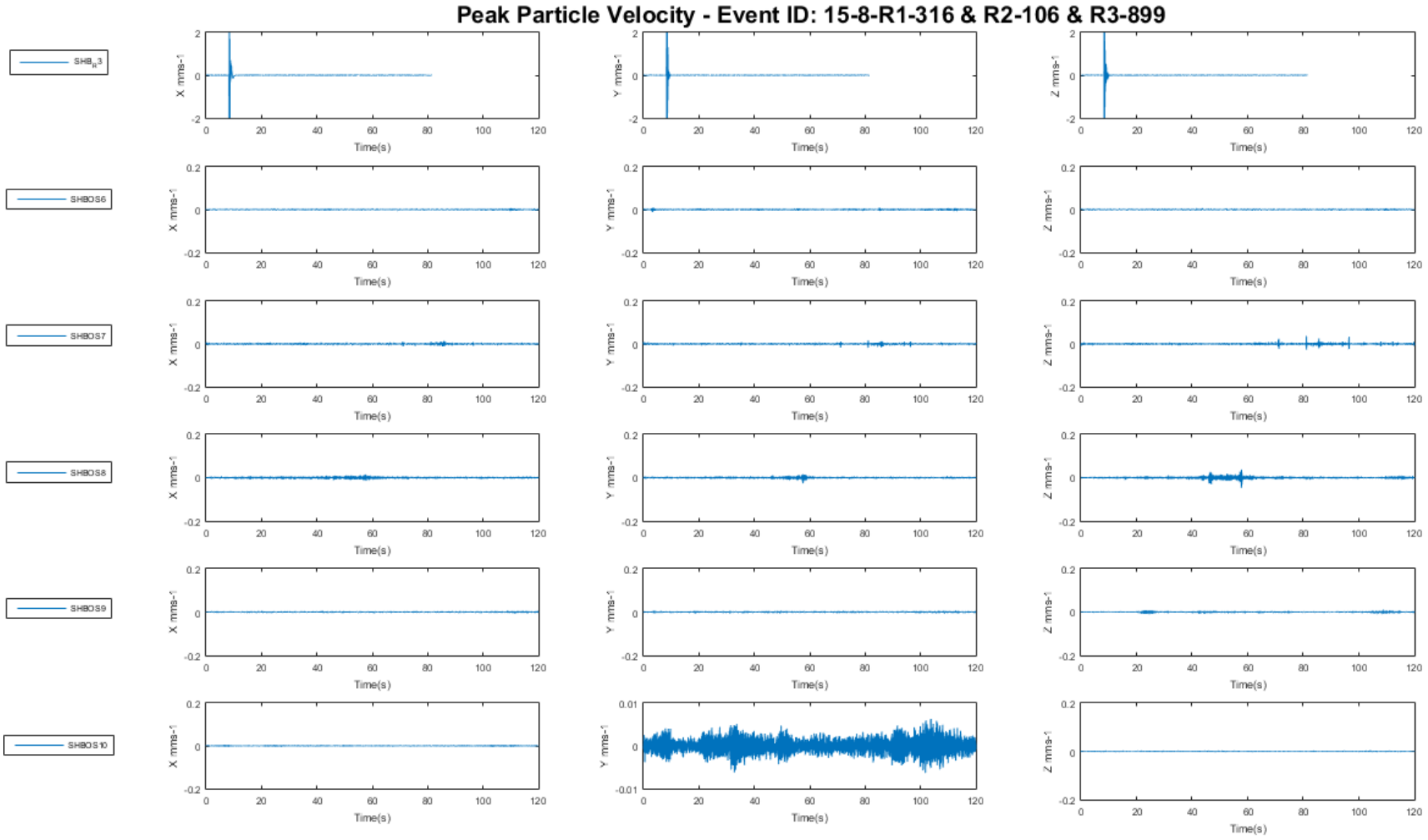


FIGURE 3.1109: SHB_OS 6 - 10 15-8-R1-316 & R2-106 & R3-899

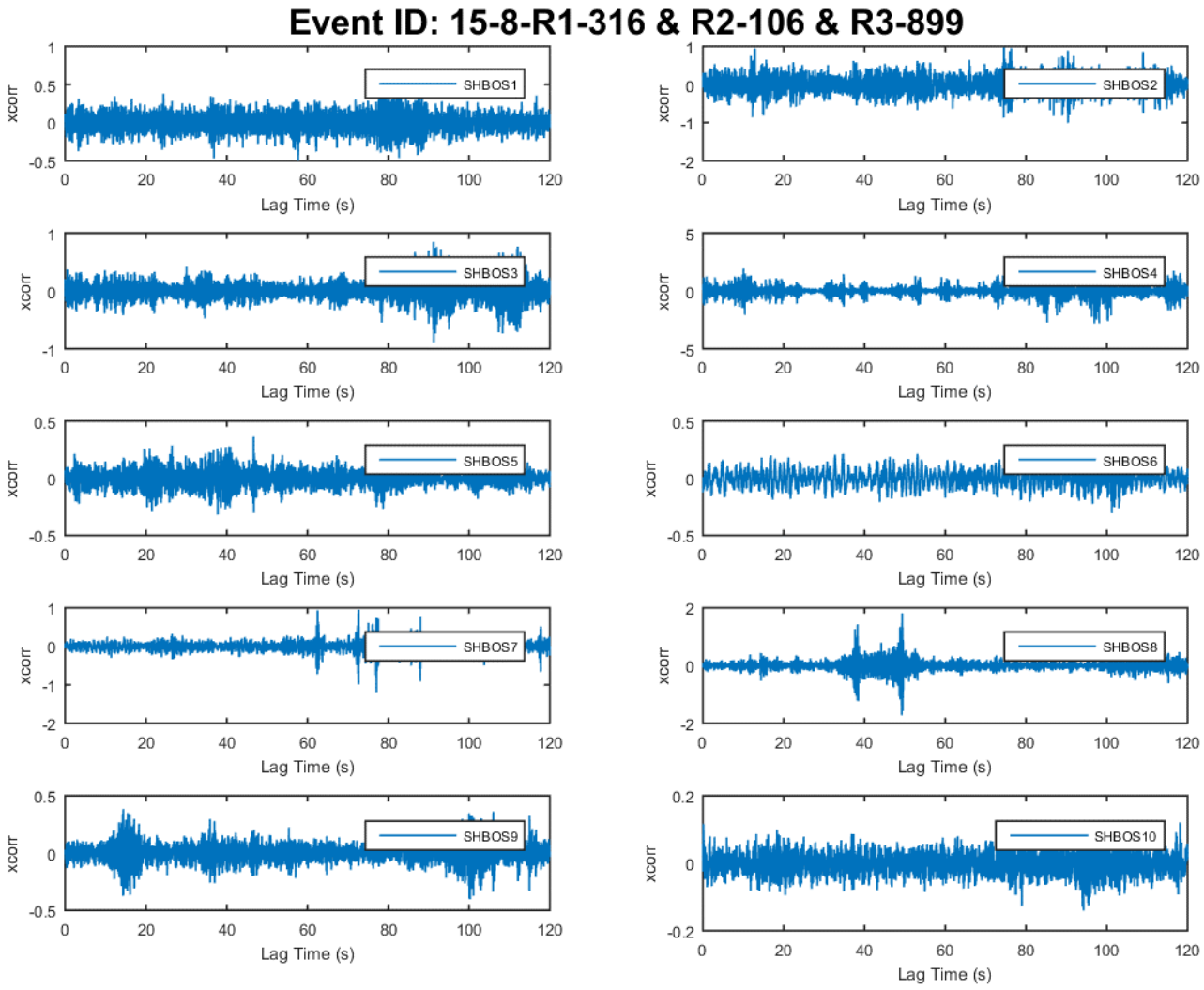


FIGURE 3.1110: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-316 & R2-106 & R3-899

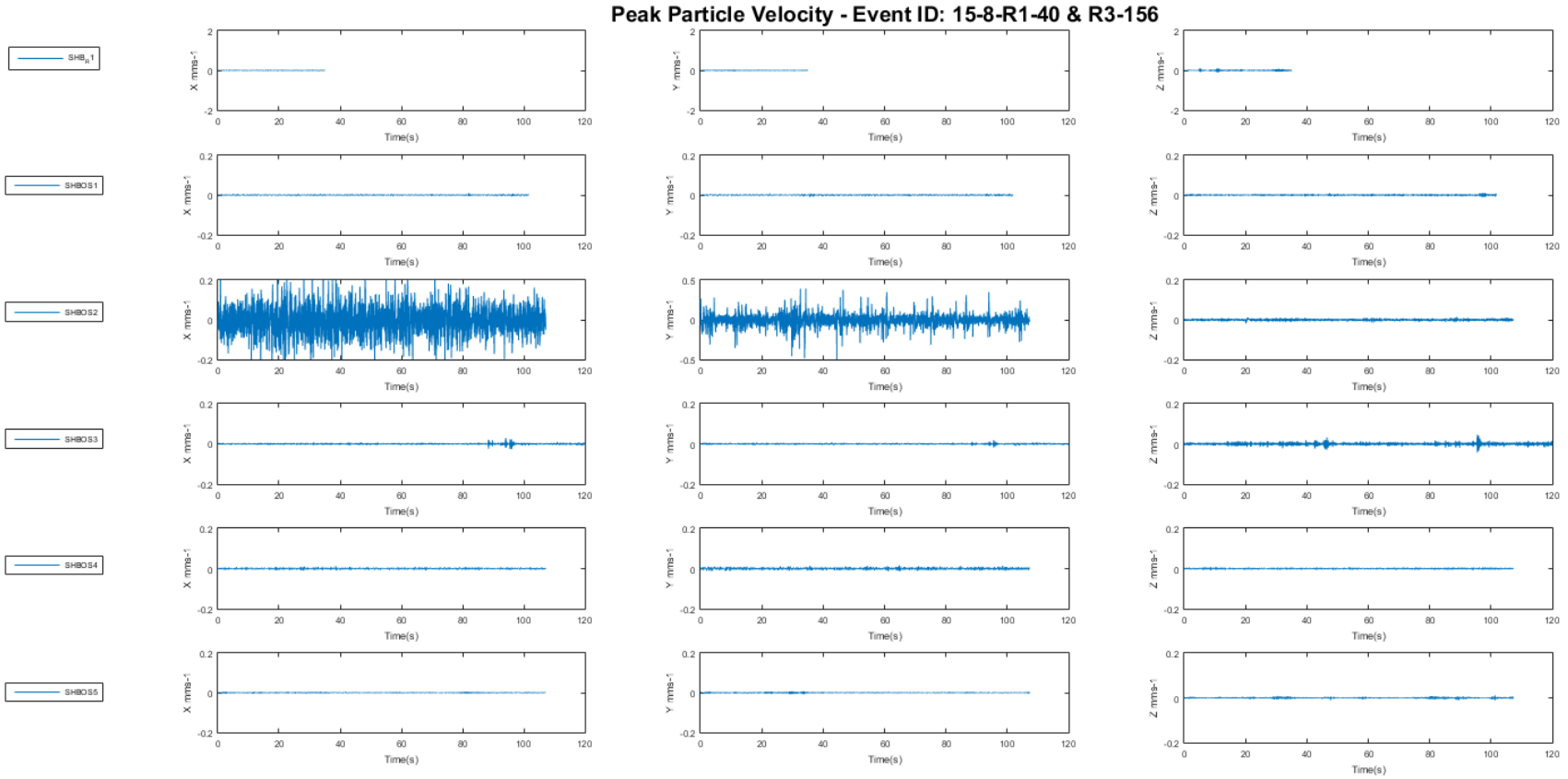
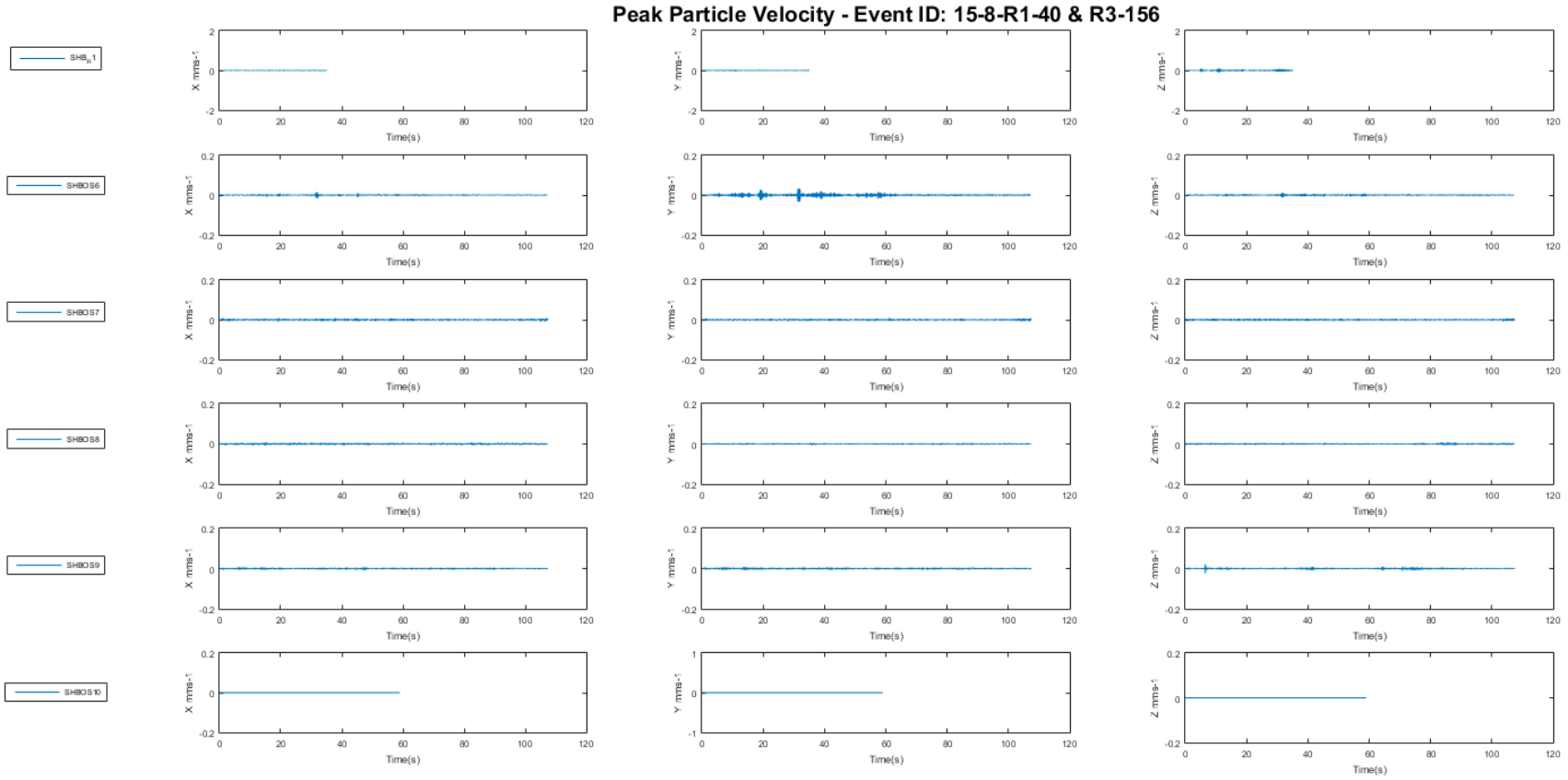


FIGURE 3.1111: SHB_OS 1 - 5 15-8-R1-40 & R3-156

FIGURE 3.1112: SHB_OS 6 - 10 15-8-R1-40 & R3-156



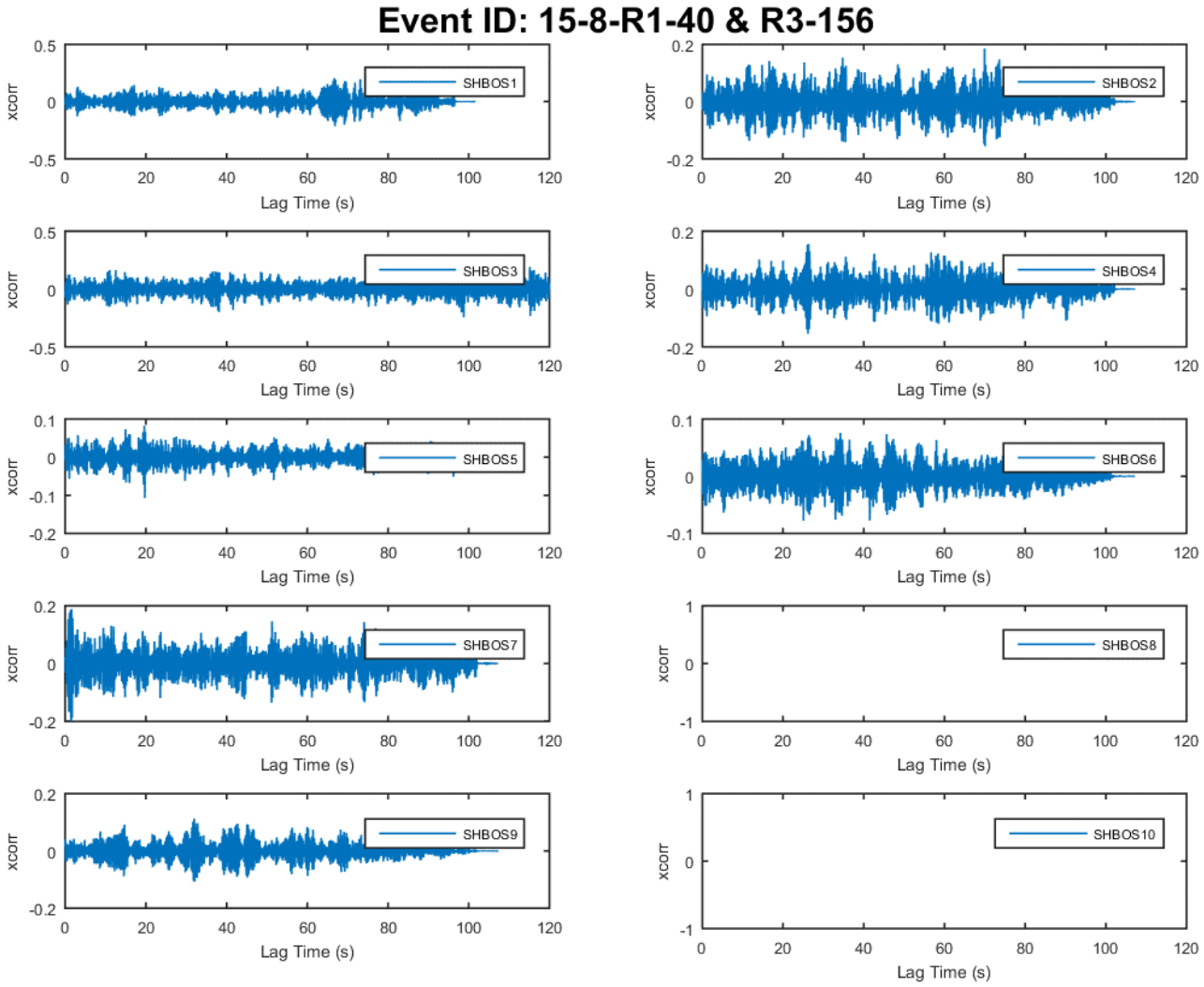


FIGURE 3.1113: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-40 & R3-156

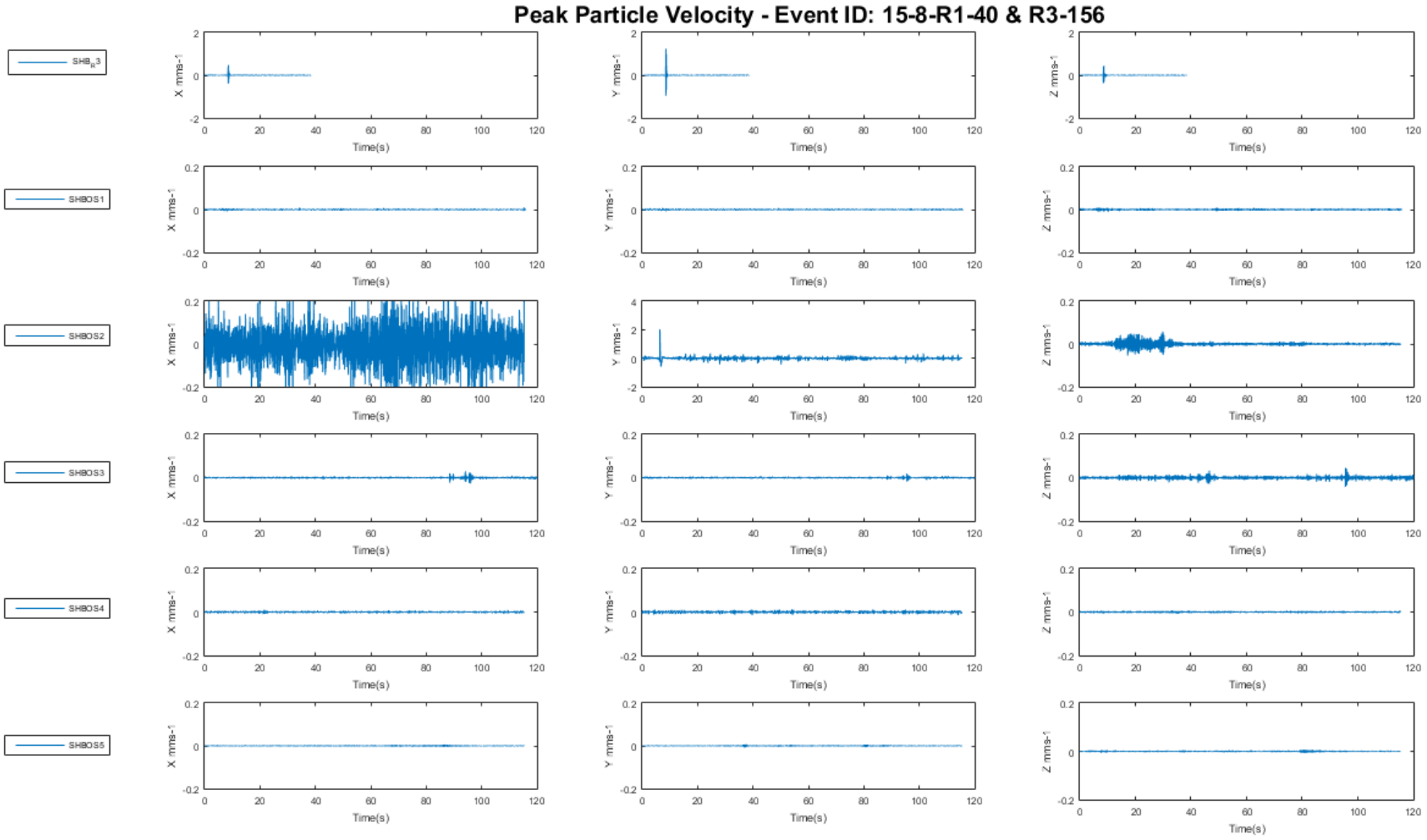


FIGURE 3.1114: SHB_OS 1 - 5 15-8-R1-40 & R3-156

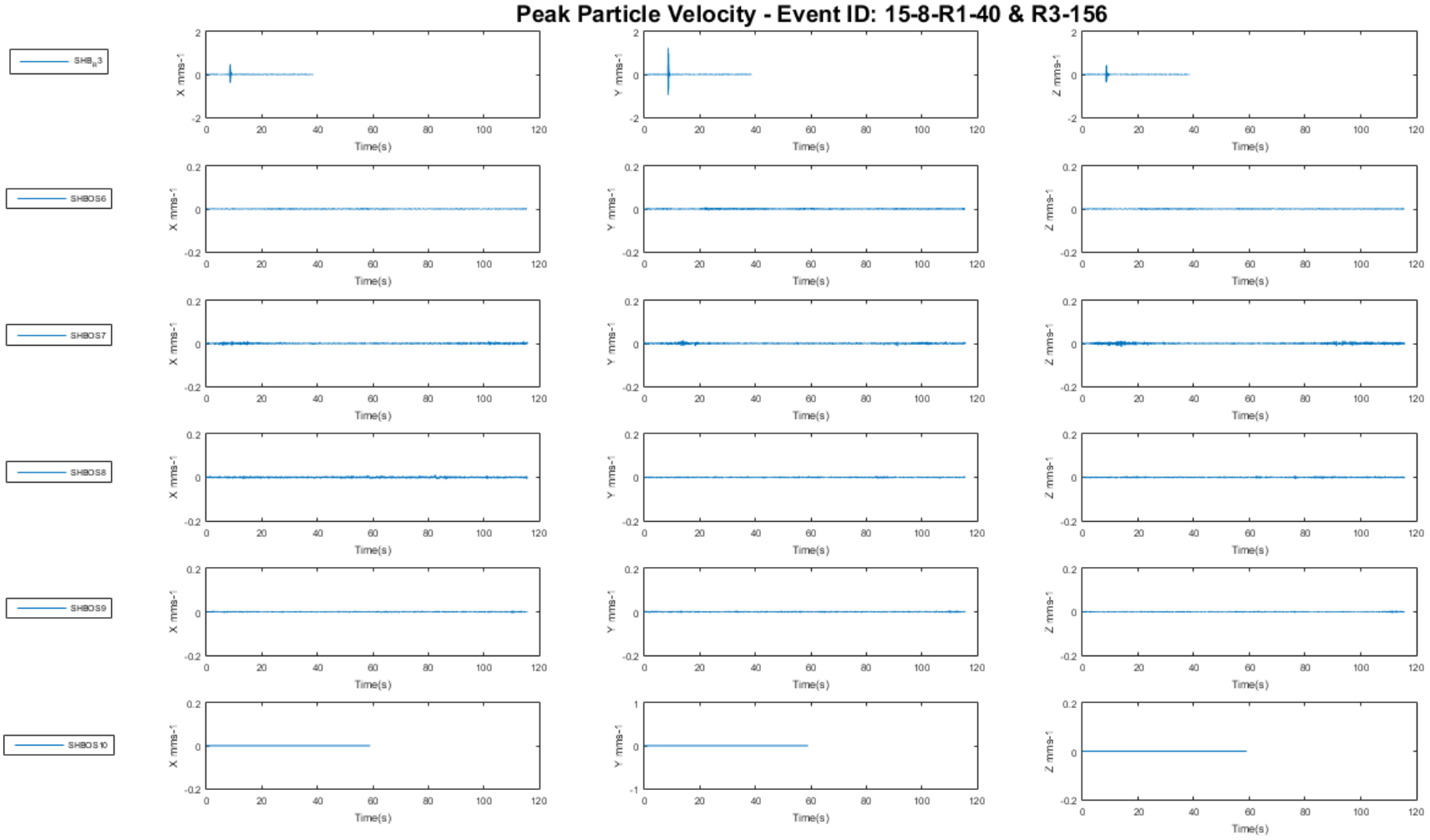


FIGURE 3.1115: SHB_OS 6 - 10 15-8-R1-40 & R3-156

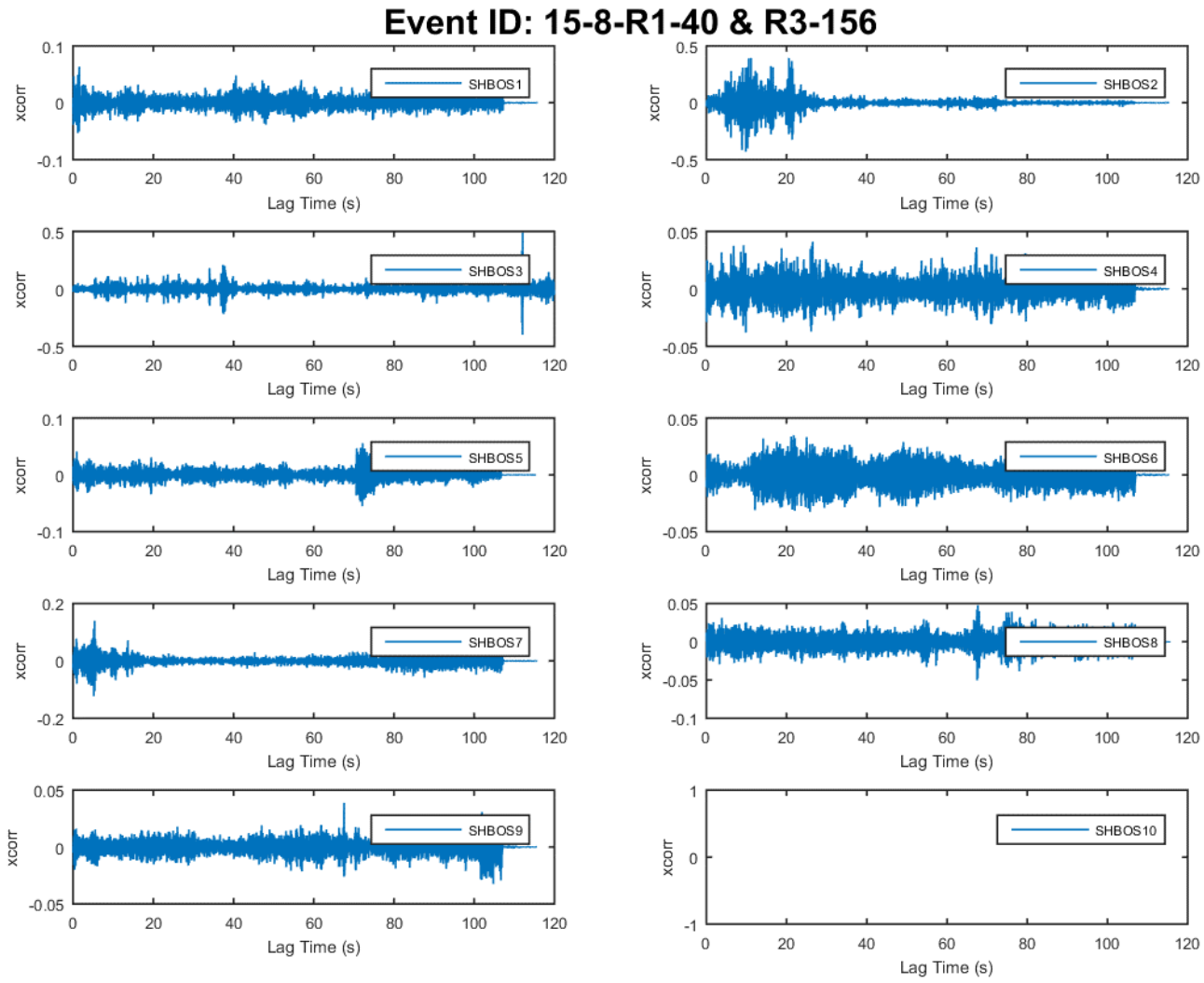


FIGURE 3.1116: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-40 & R3-156

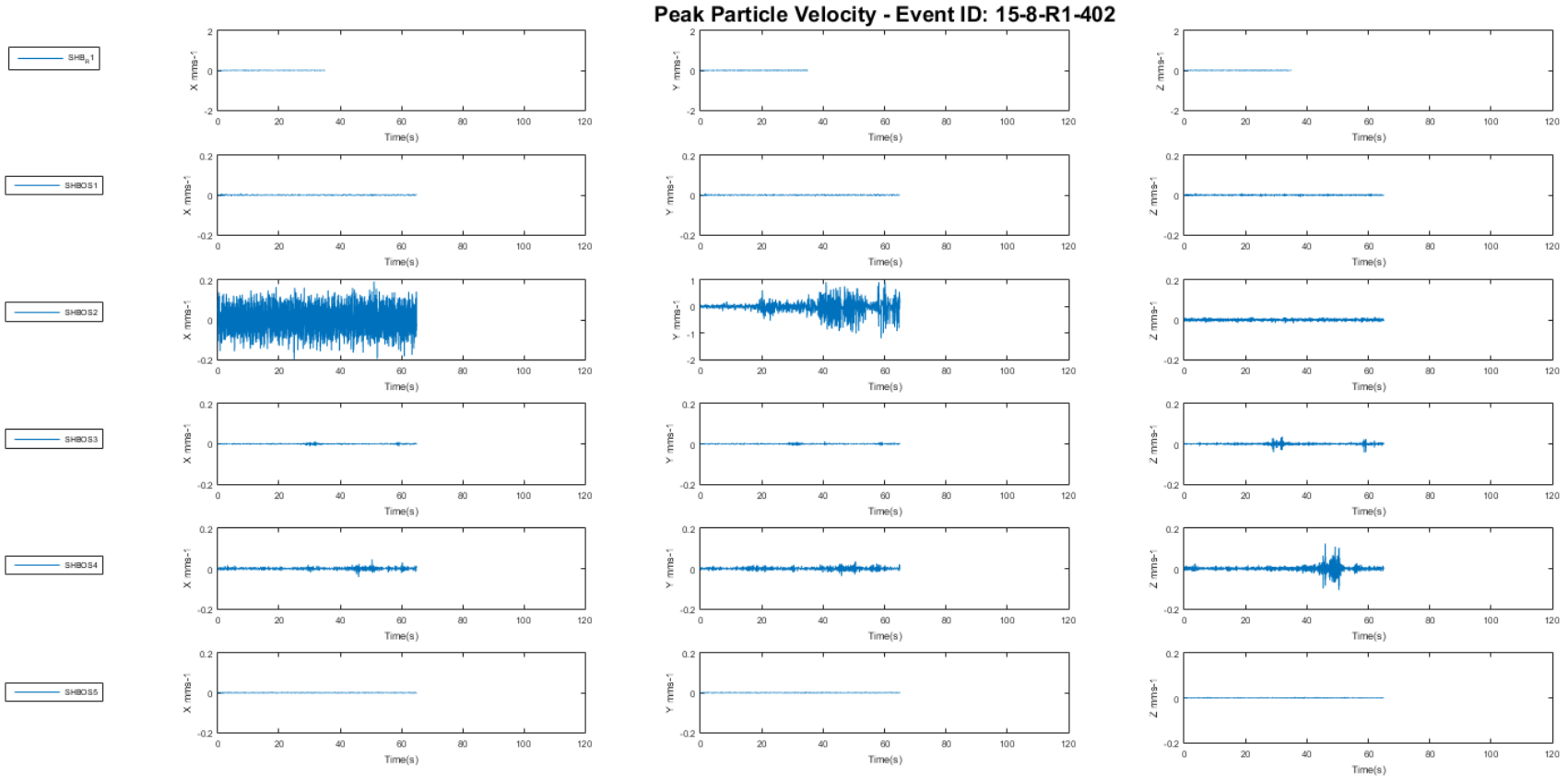
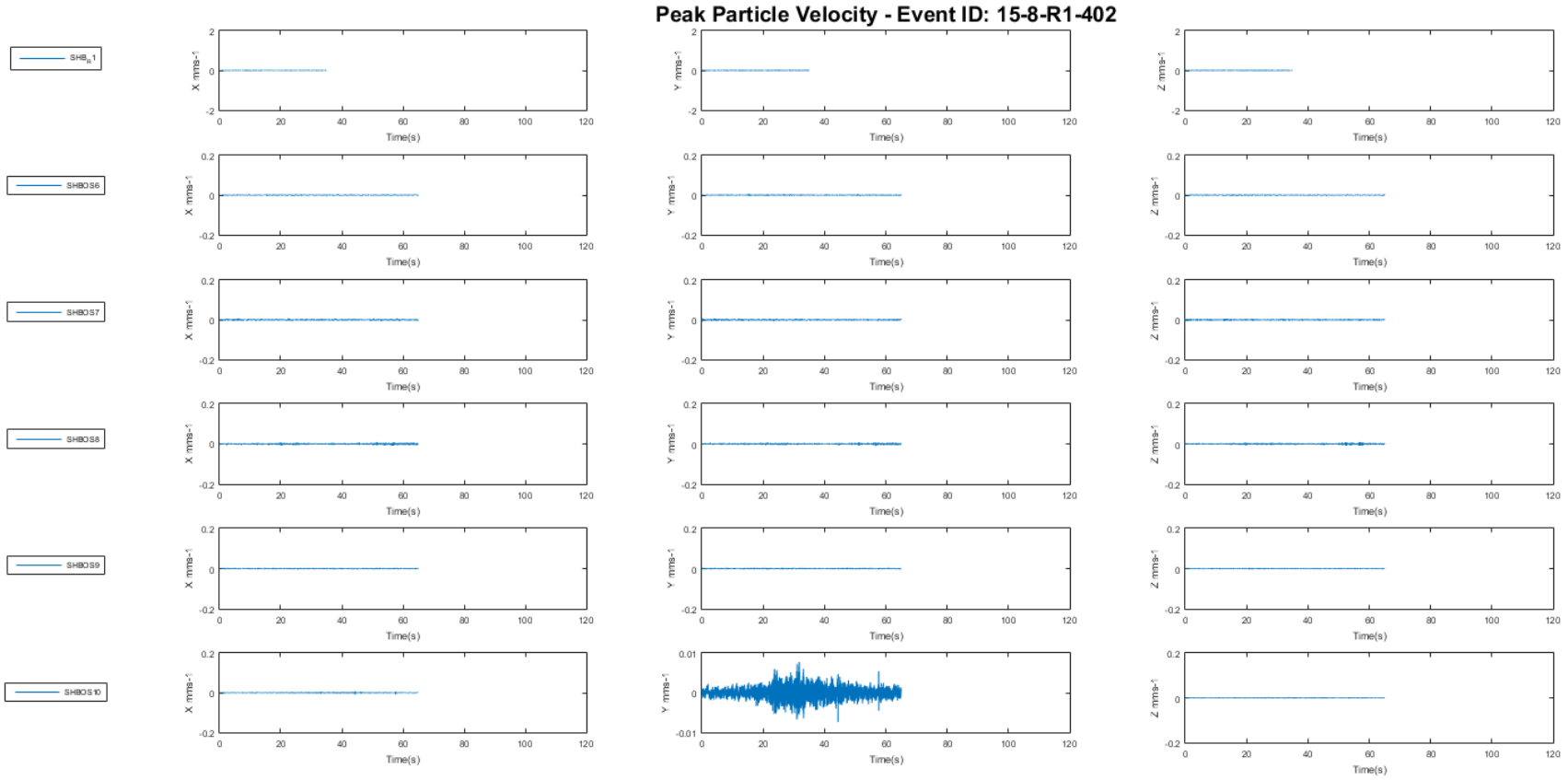


FIGURE 3.1117: SHB_OS 1 - 5 15-8-R1-402

FIGURE 3.1118: SHB_OS 6 - 10 15-8-R1-402



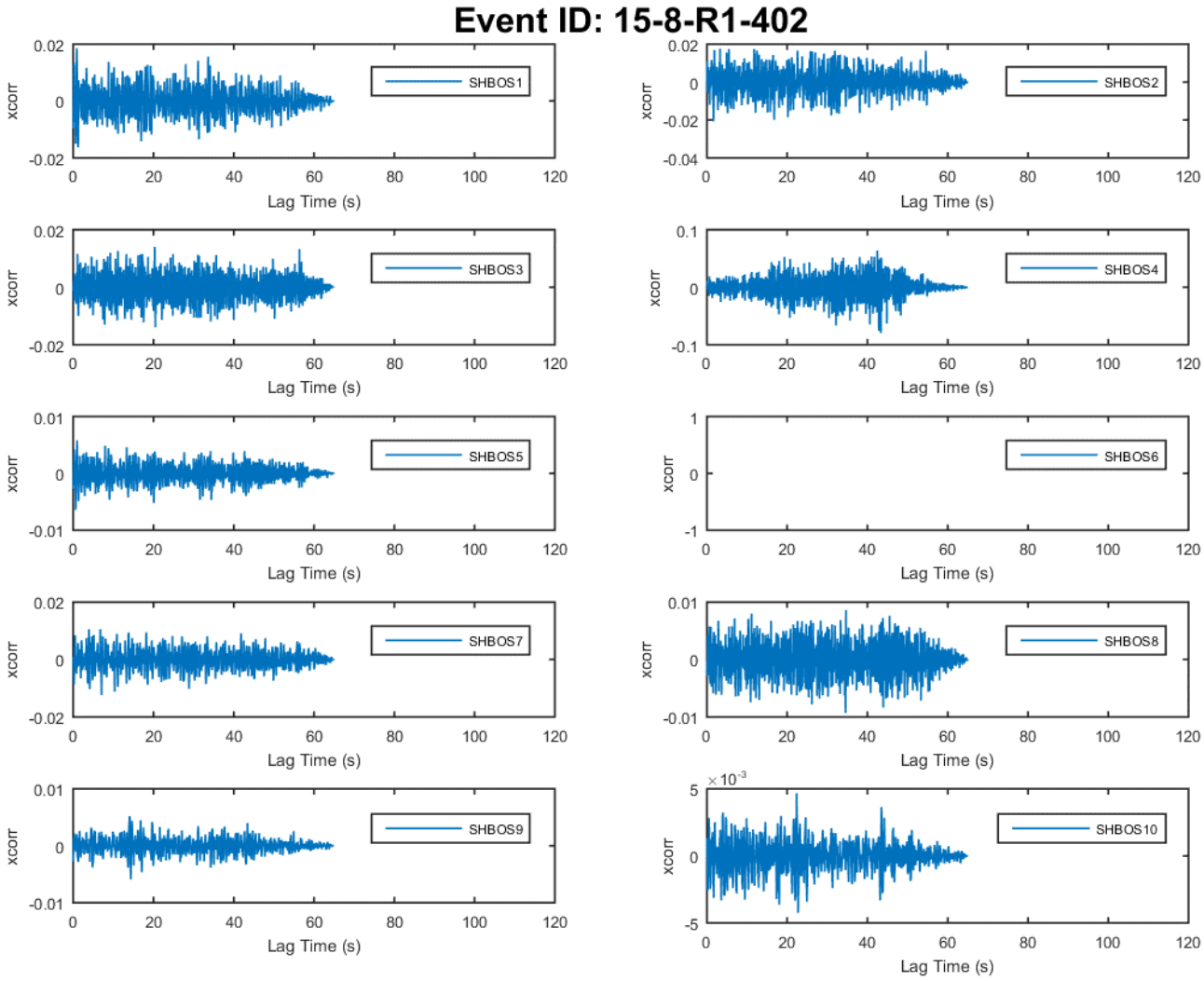


FIGURE 3.1119: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-402

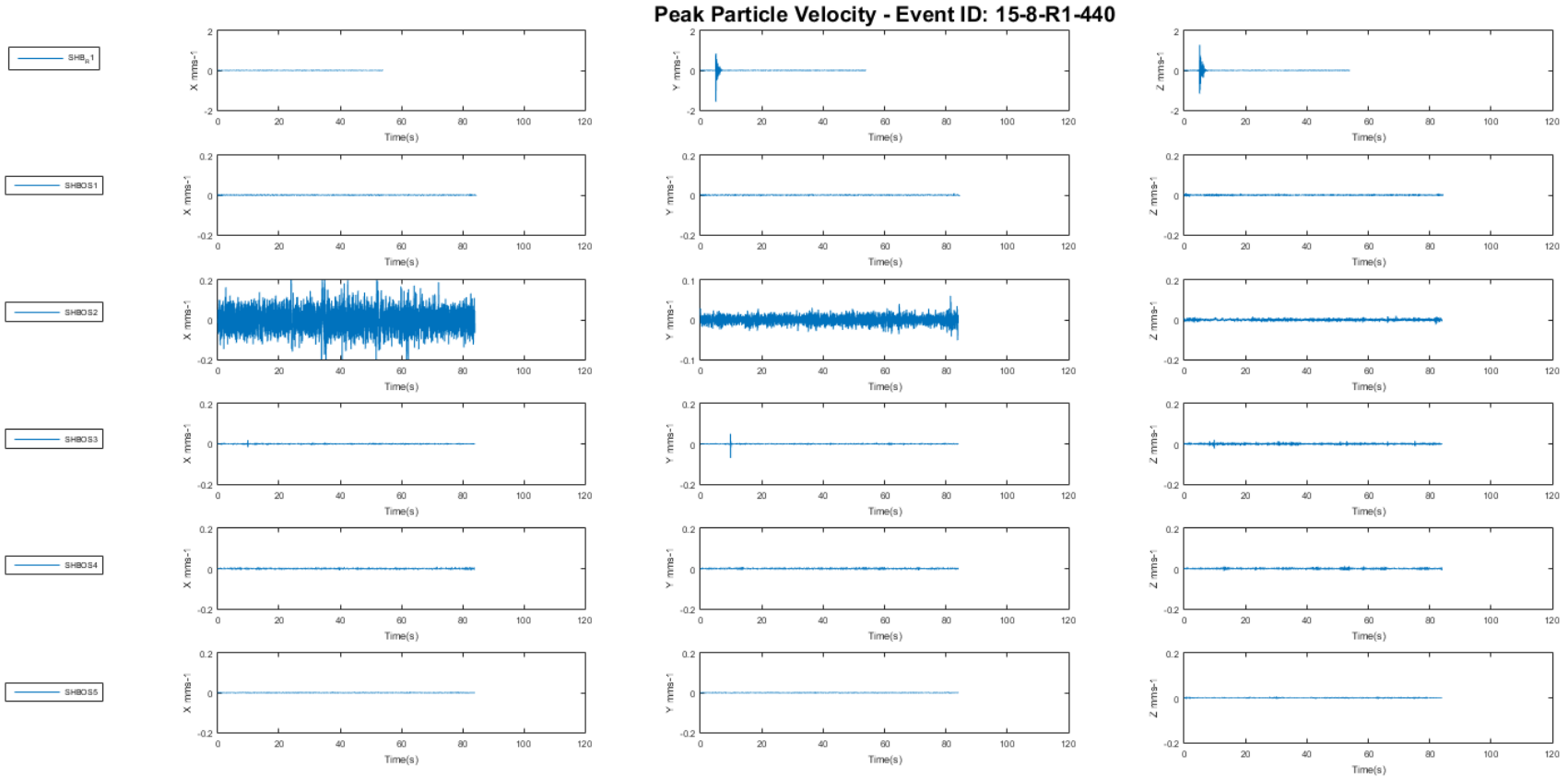
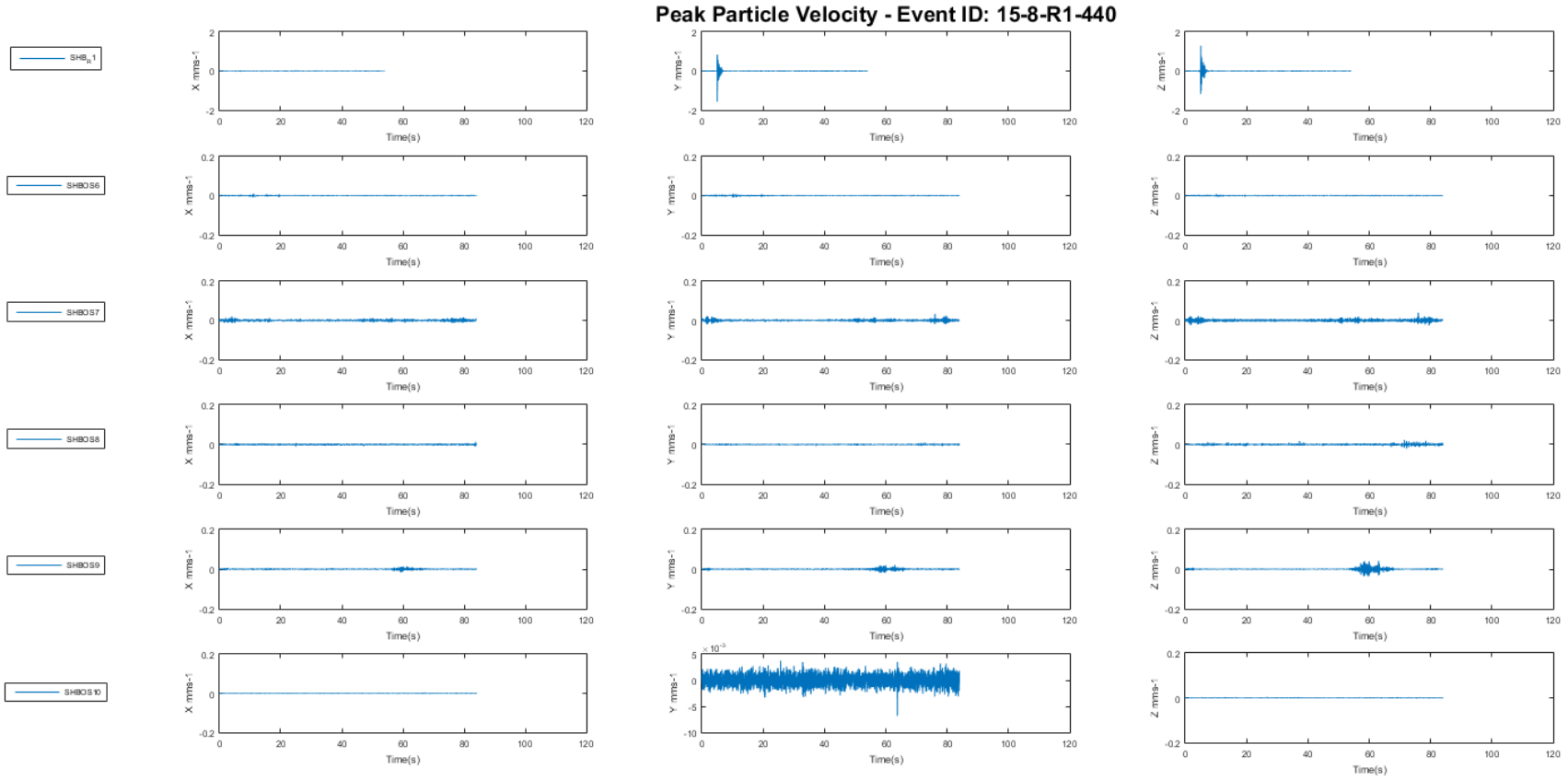


FIGURE 3.1120: SHB_OS 1 - 5 15-8-R1-440

FIGURE 3.1121: SHB_OS 6 - 10 15-8-R1-440



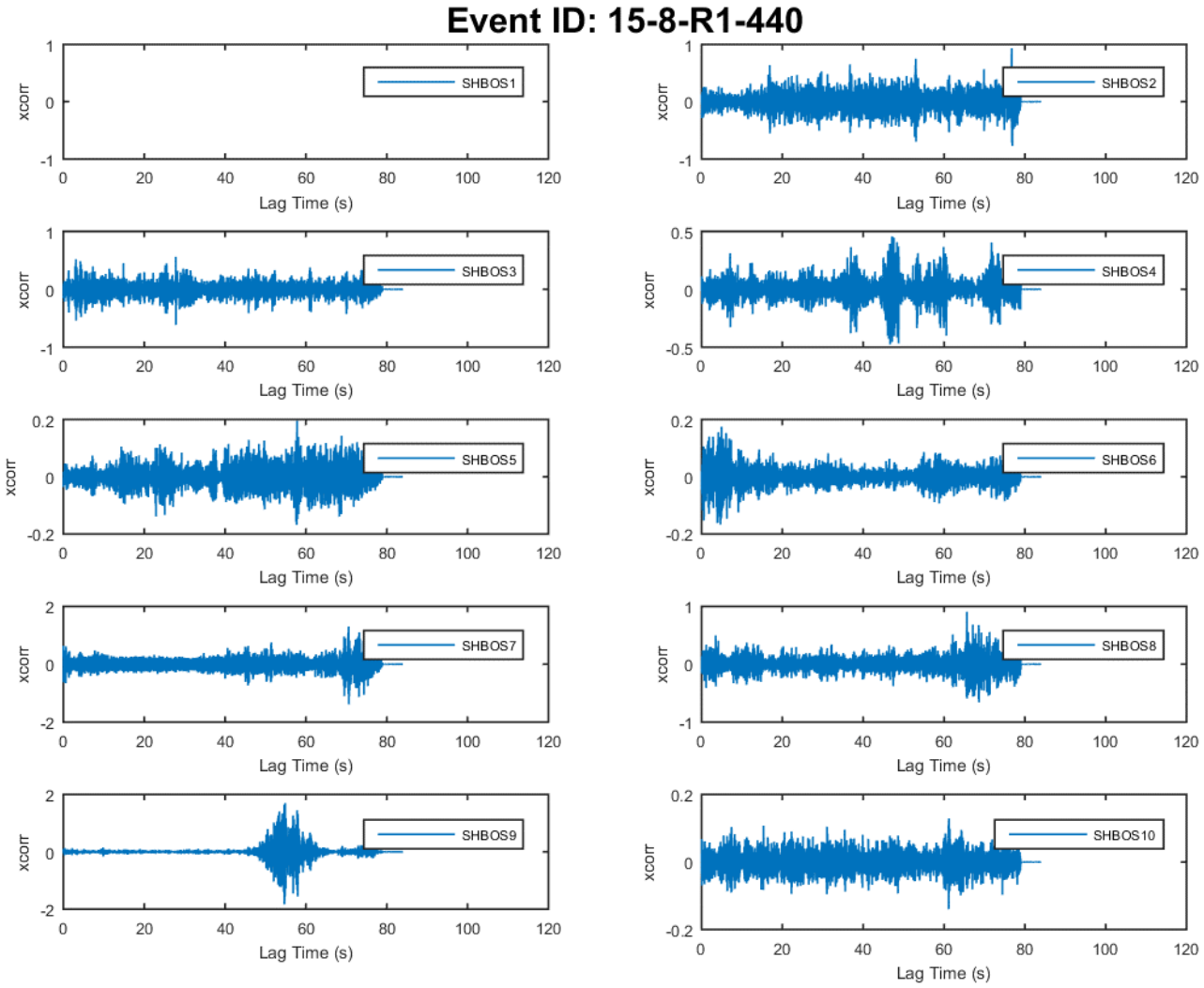


FIGURE 3.1122: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-440

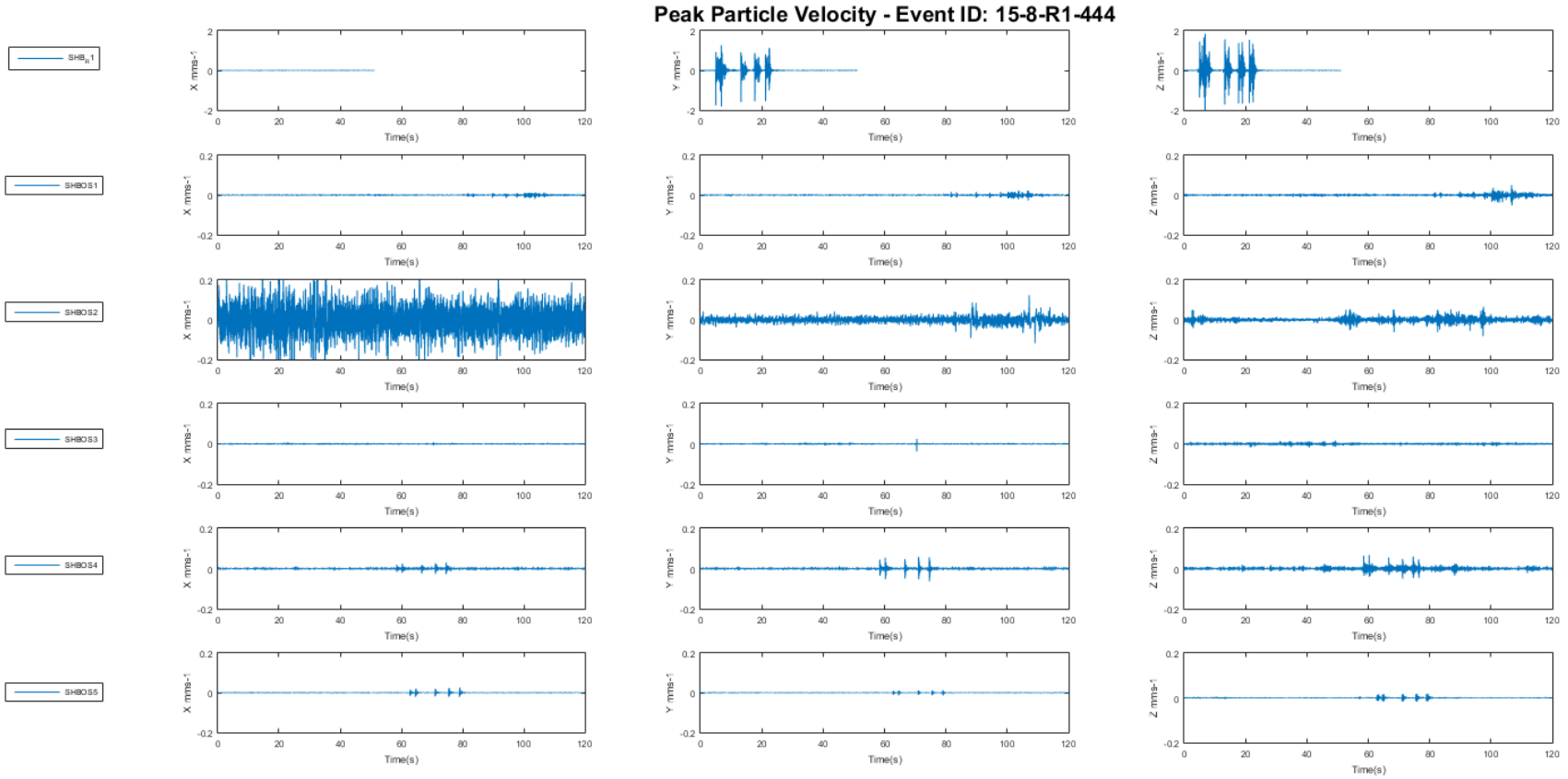
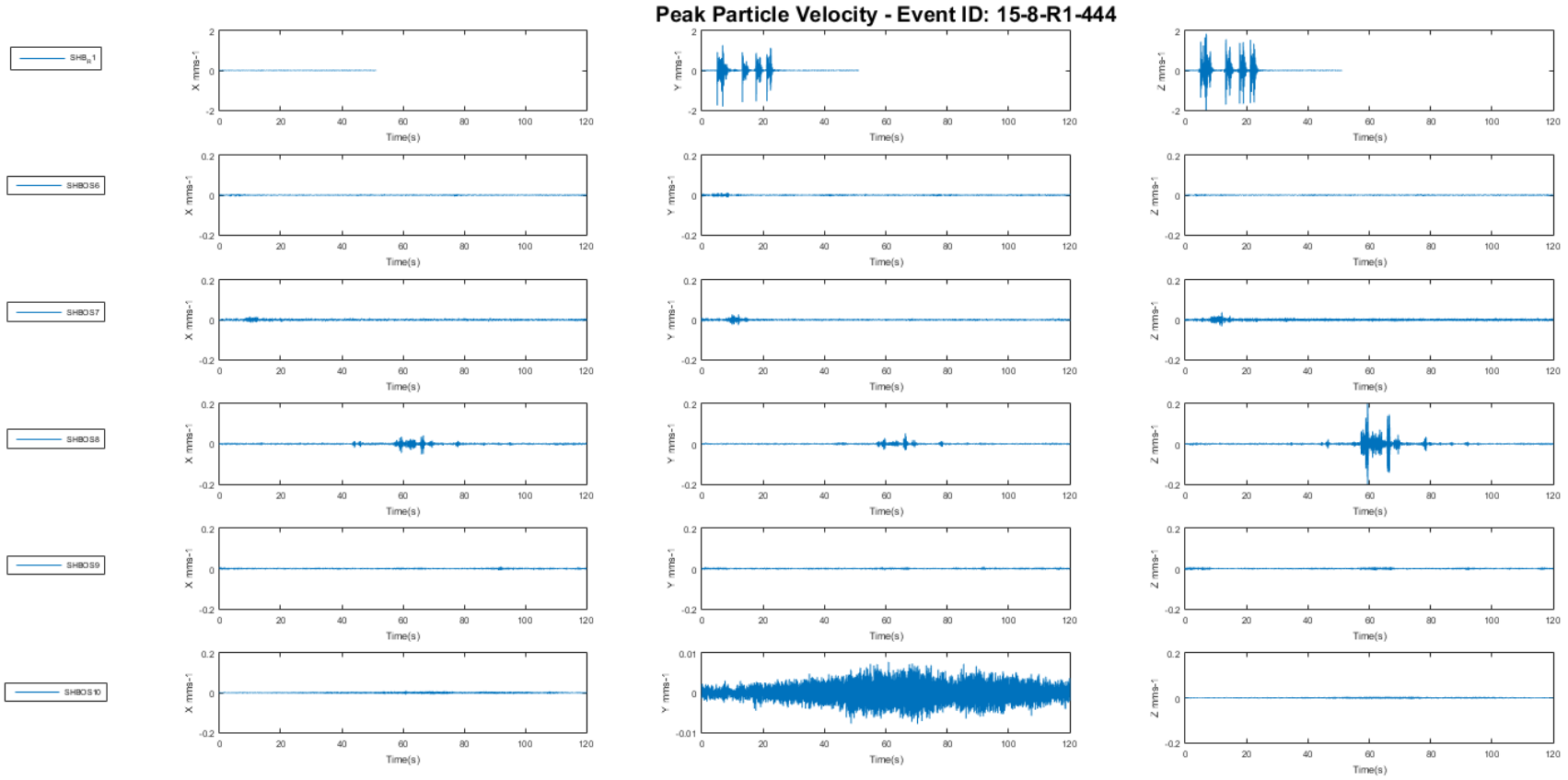


FIGURE 3.1123: SHB_OS 1 - 5 15-8-R1-444

FIGURE 3.1124: SHB_OS 6 - 10 15-8-R1-444



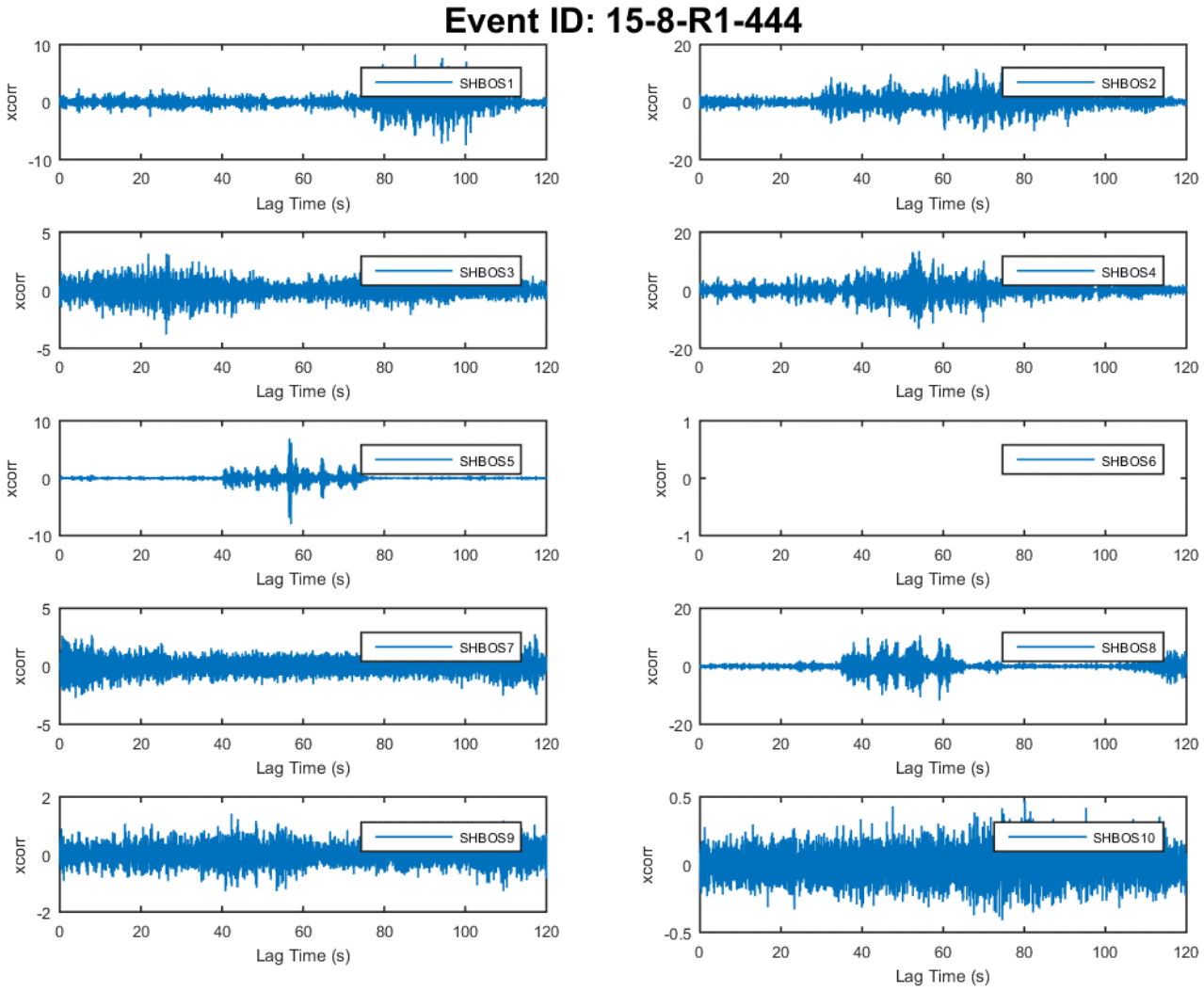


FIGURE 3.1125: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-444

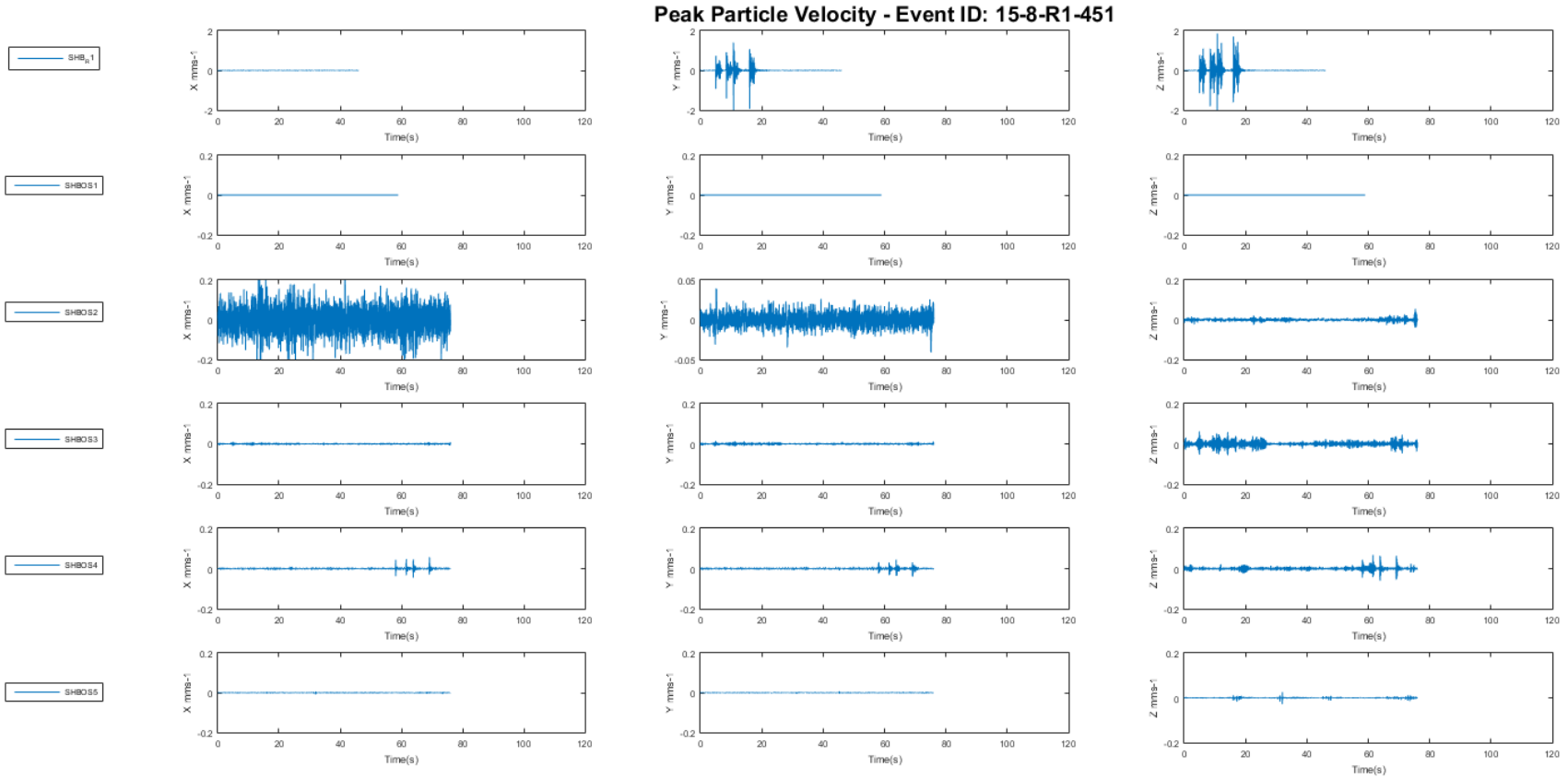
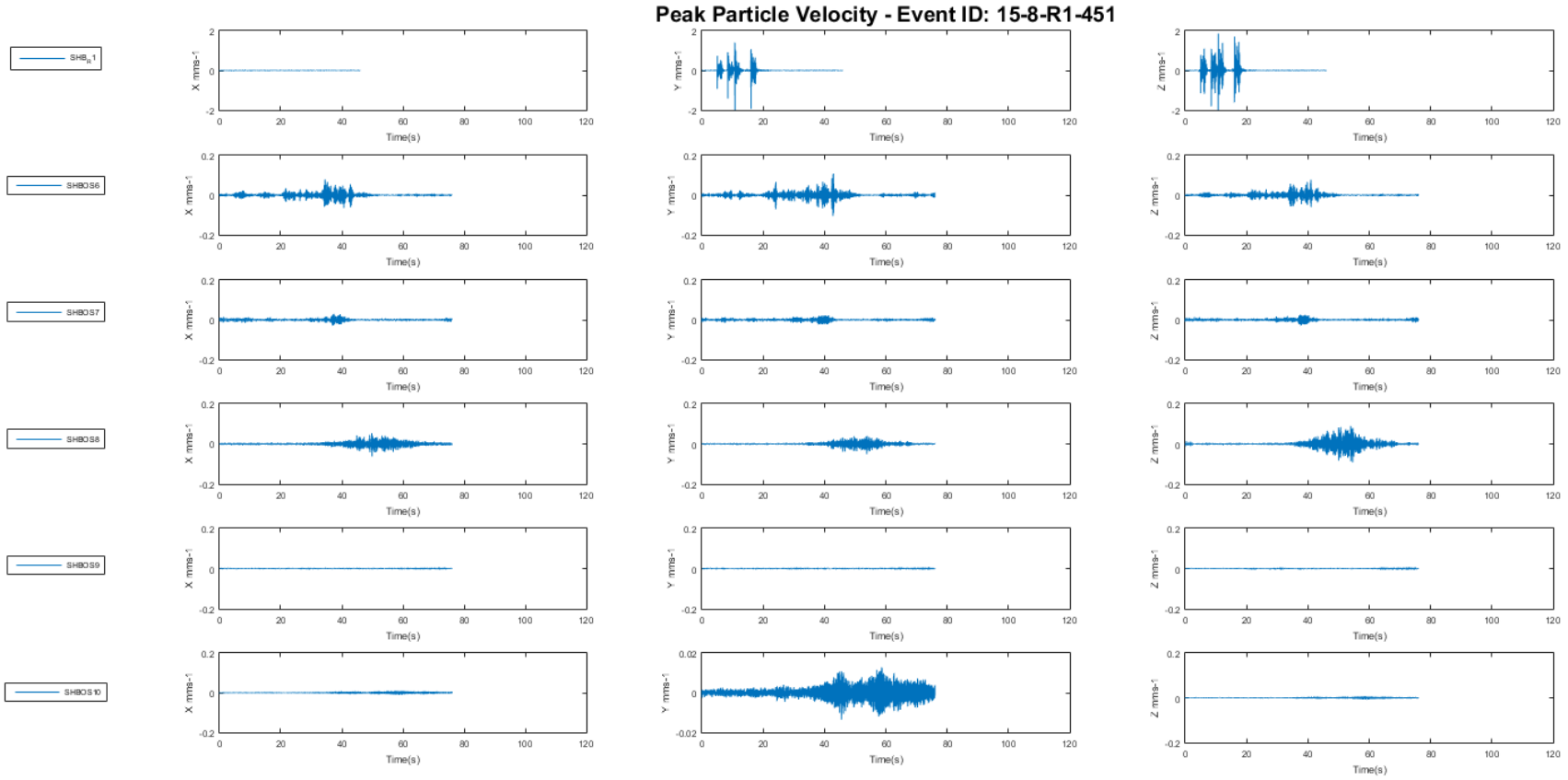


FIGURE 3.1126: SHB_OS 1 - 5 15-8-R1-451

FIGURE 3.1127: SHB_OS 6 - 10 15-8-R1-451



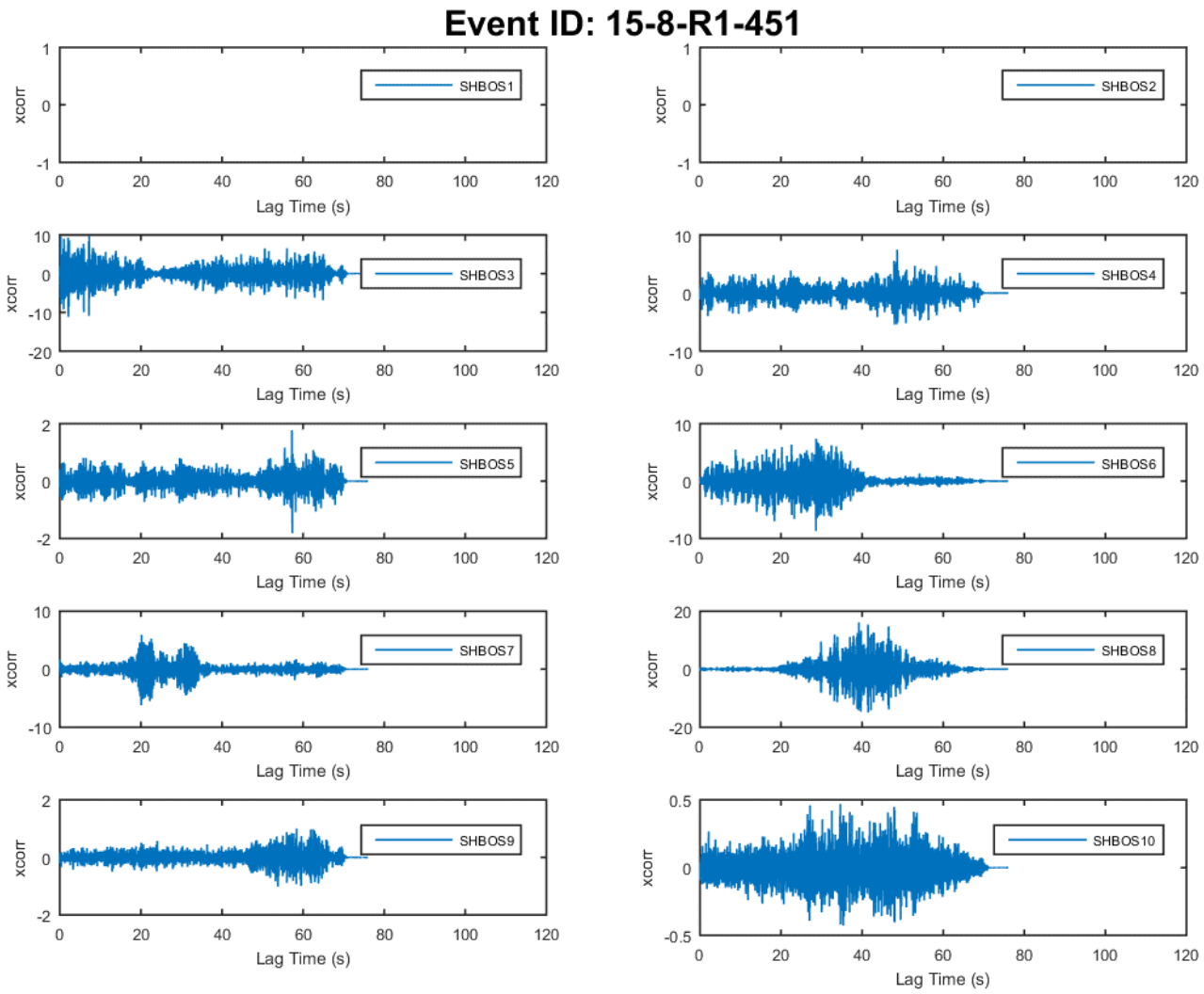


FIGURE 3.1128: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-451

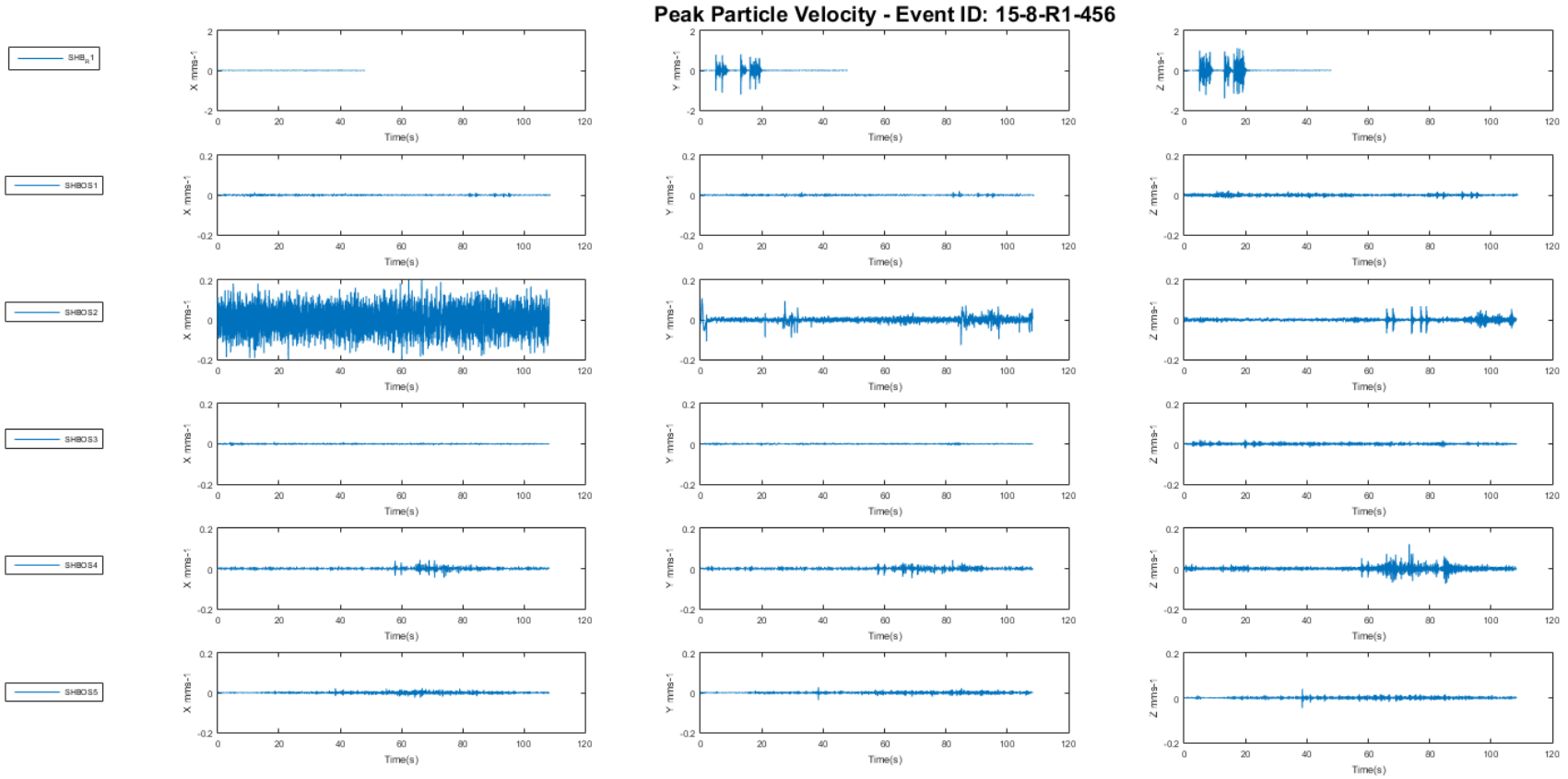
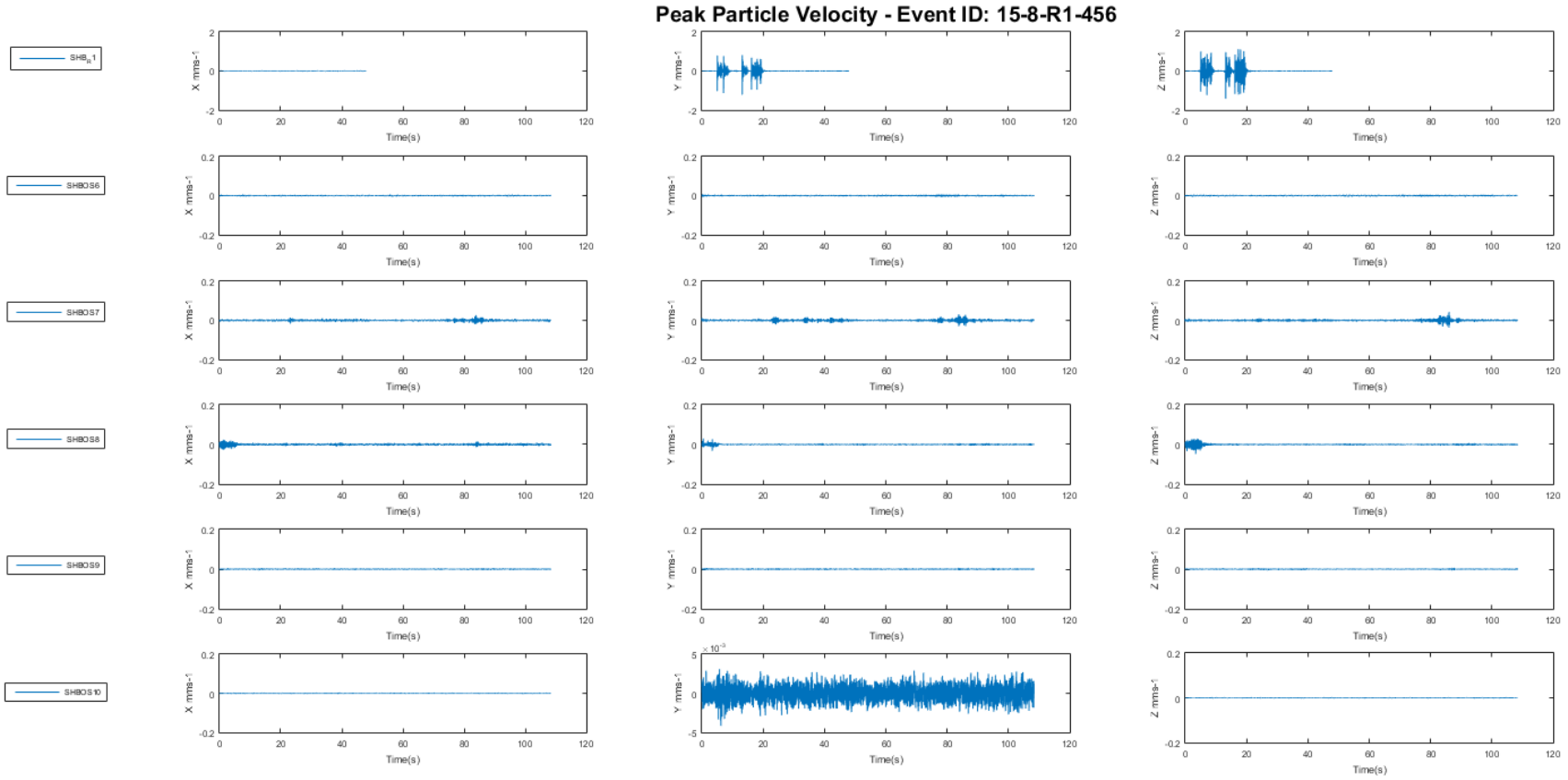


FIGURE 3.1129: SHB_OS 1 - 5 15-8-R1-456

FIGURE 3.1130: SHB_OS 6 - 10 15-8-R1-456



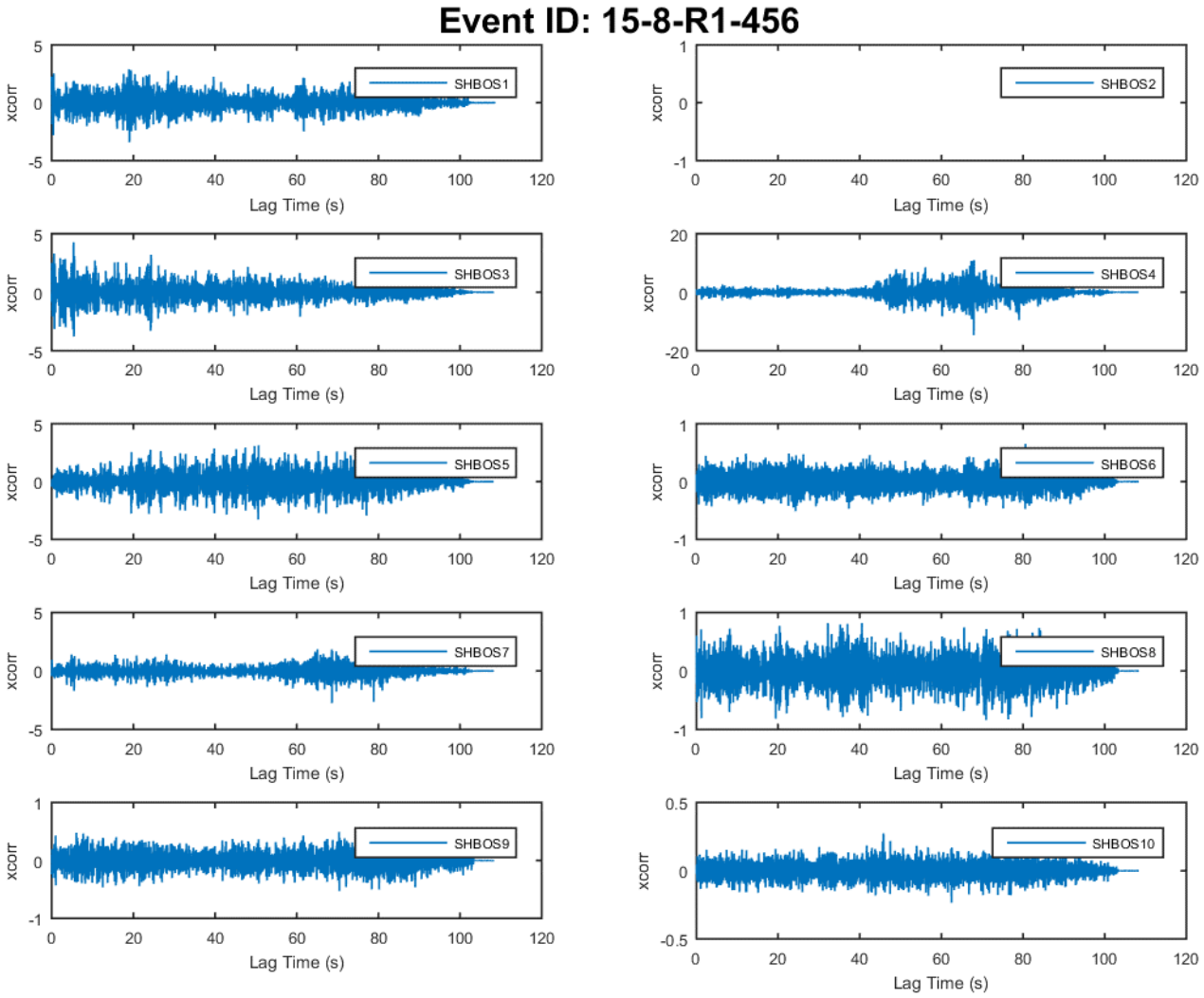


FIGURE 3.1131: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-456

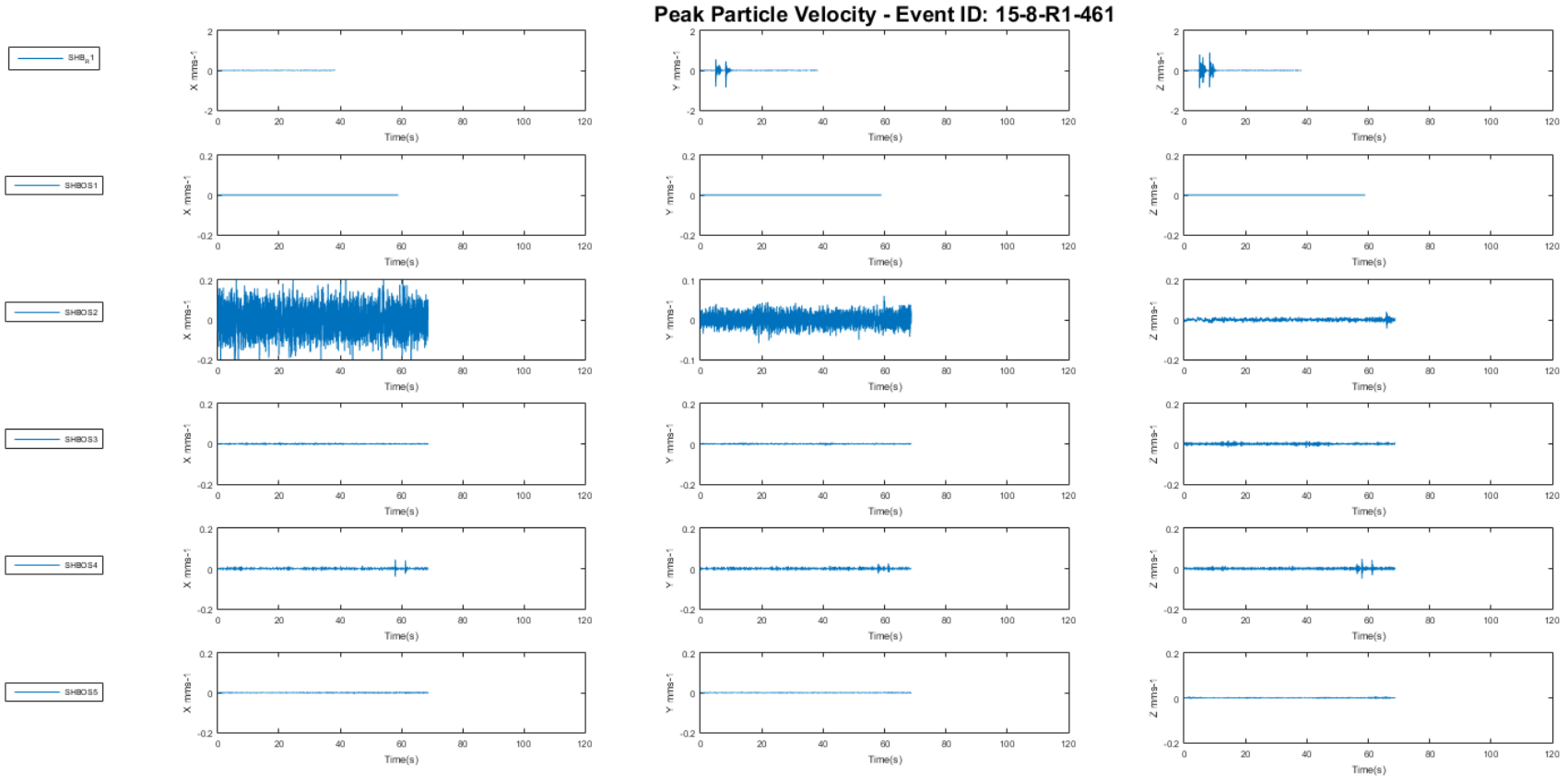
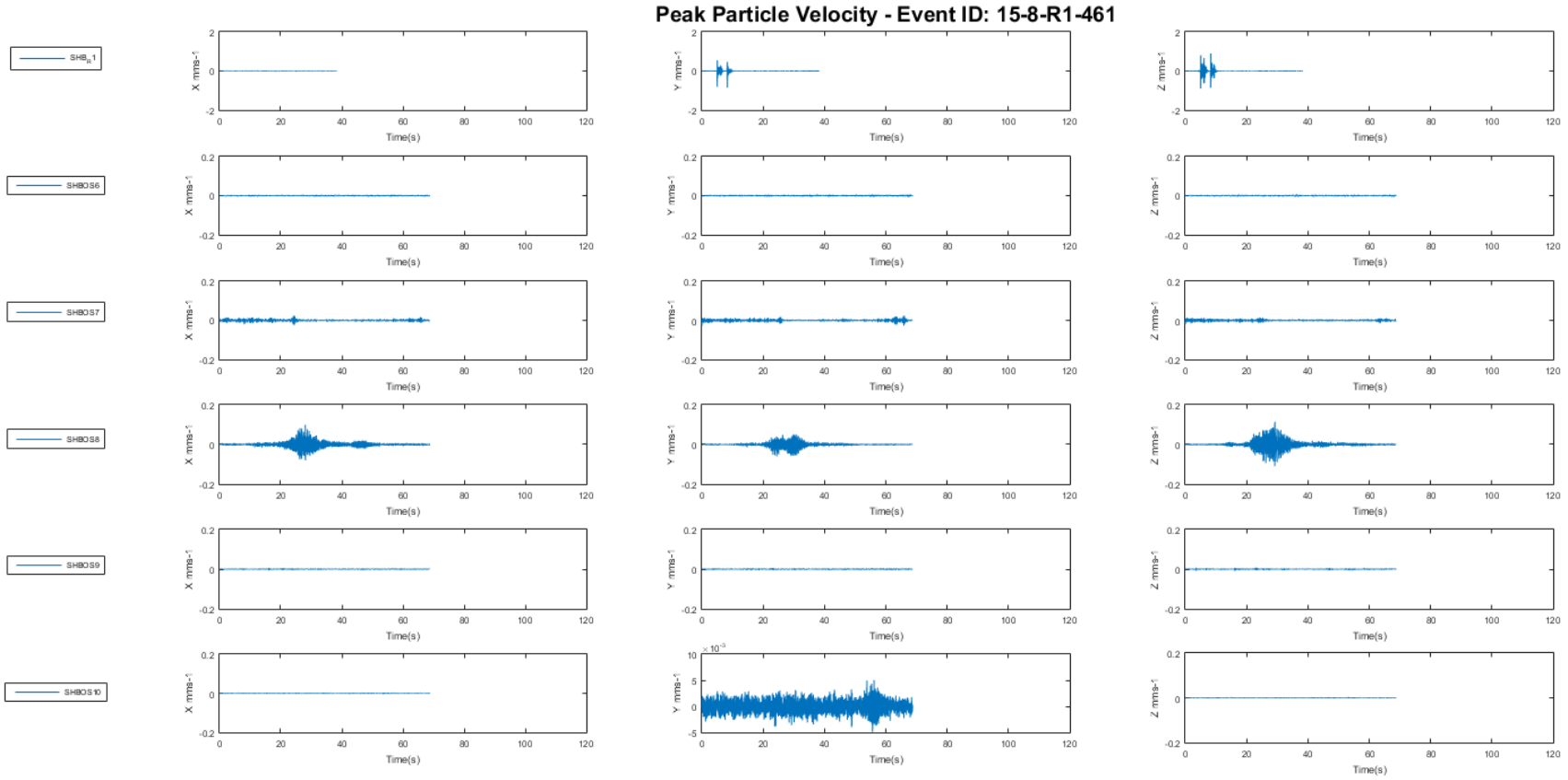


FIGURE 3.1132: SHB_OS 1 - 5 15-8-R1-461

FIGURE 3.1133: SHB_OS 6 - 10 15-8-R1-461



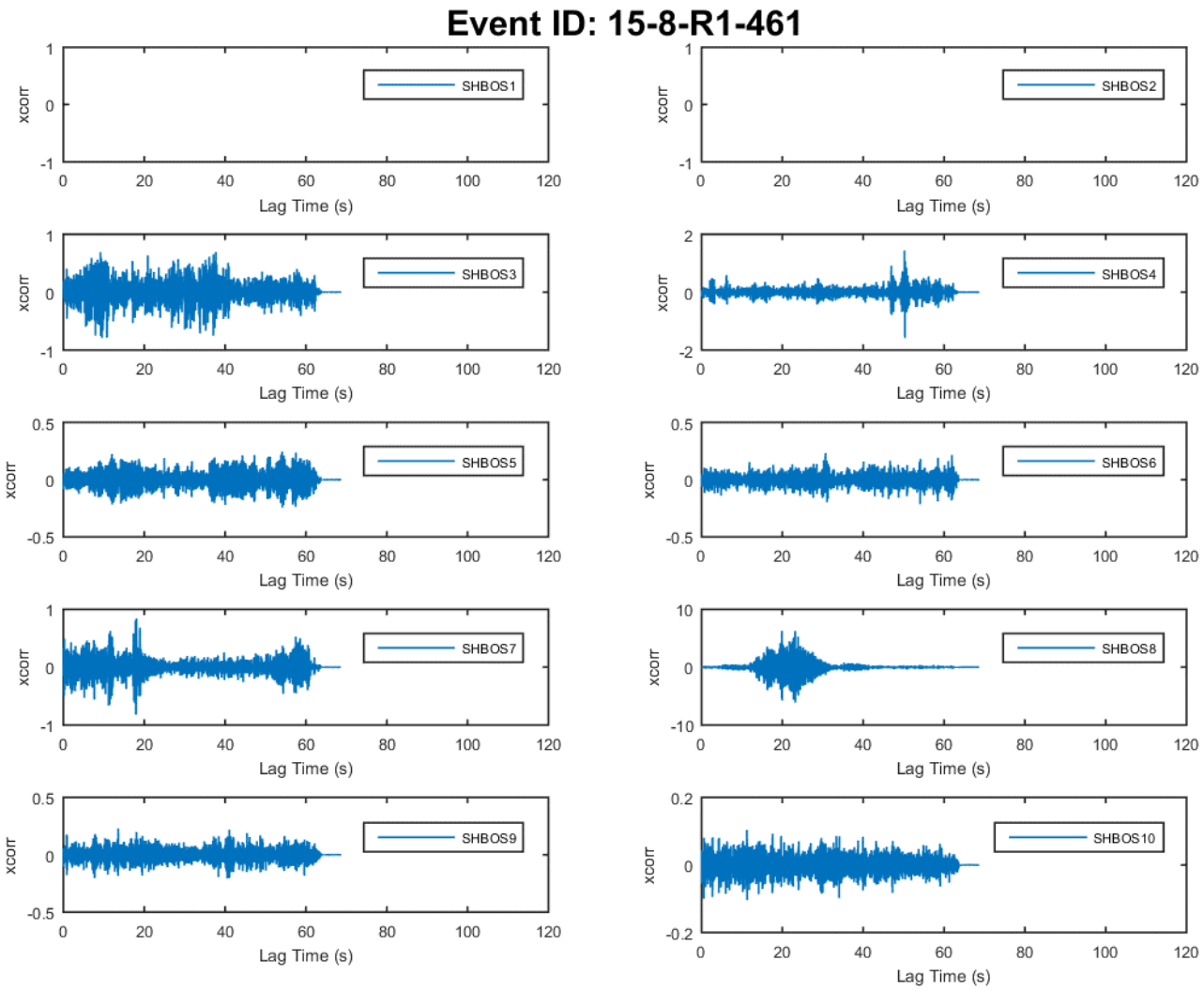


FIGURE 3.1134: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-461

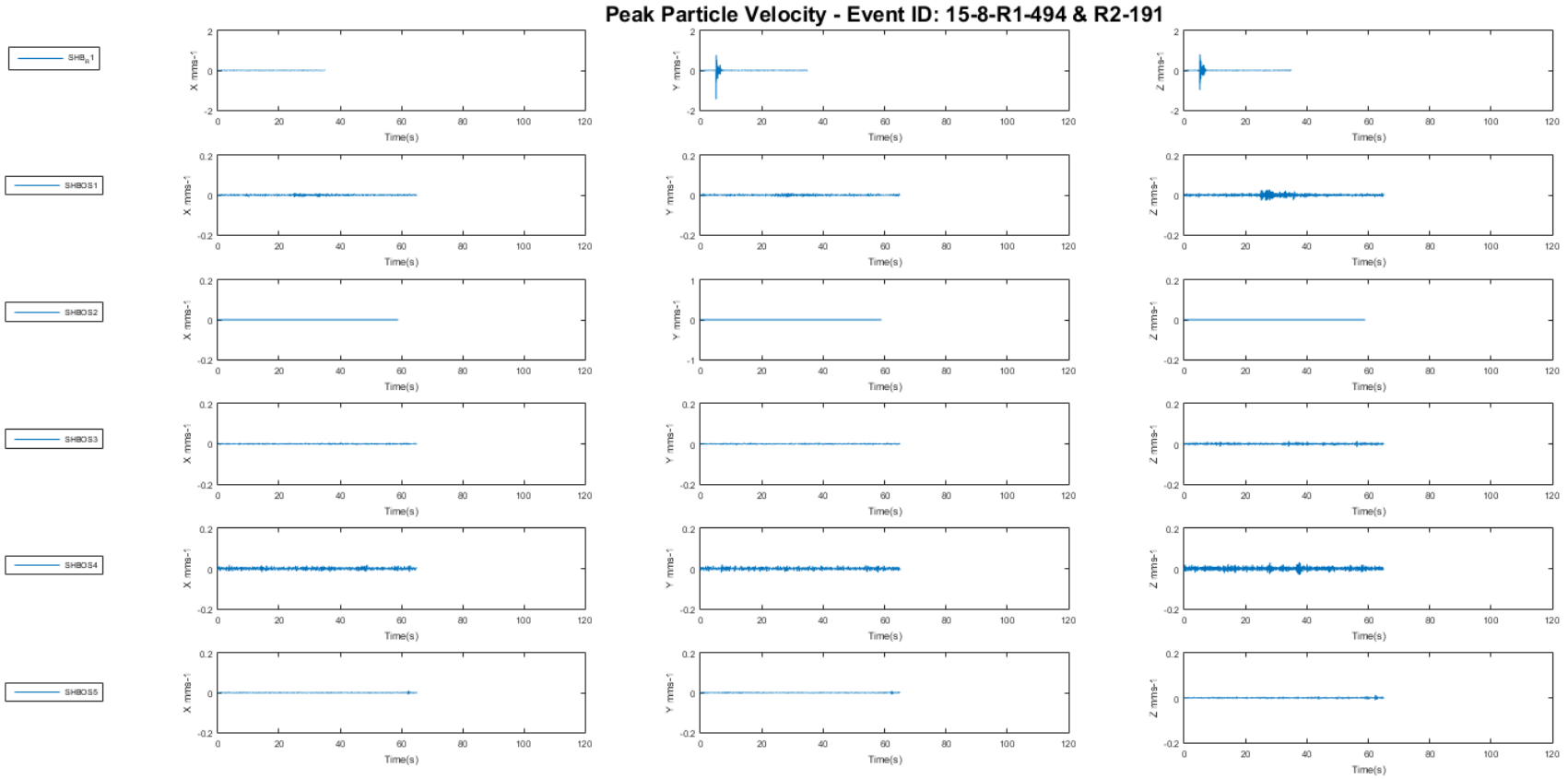
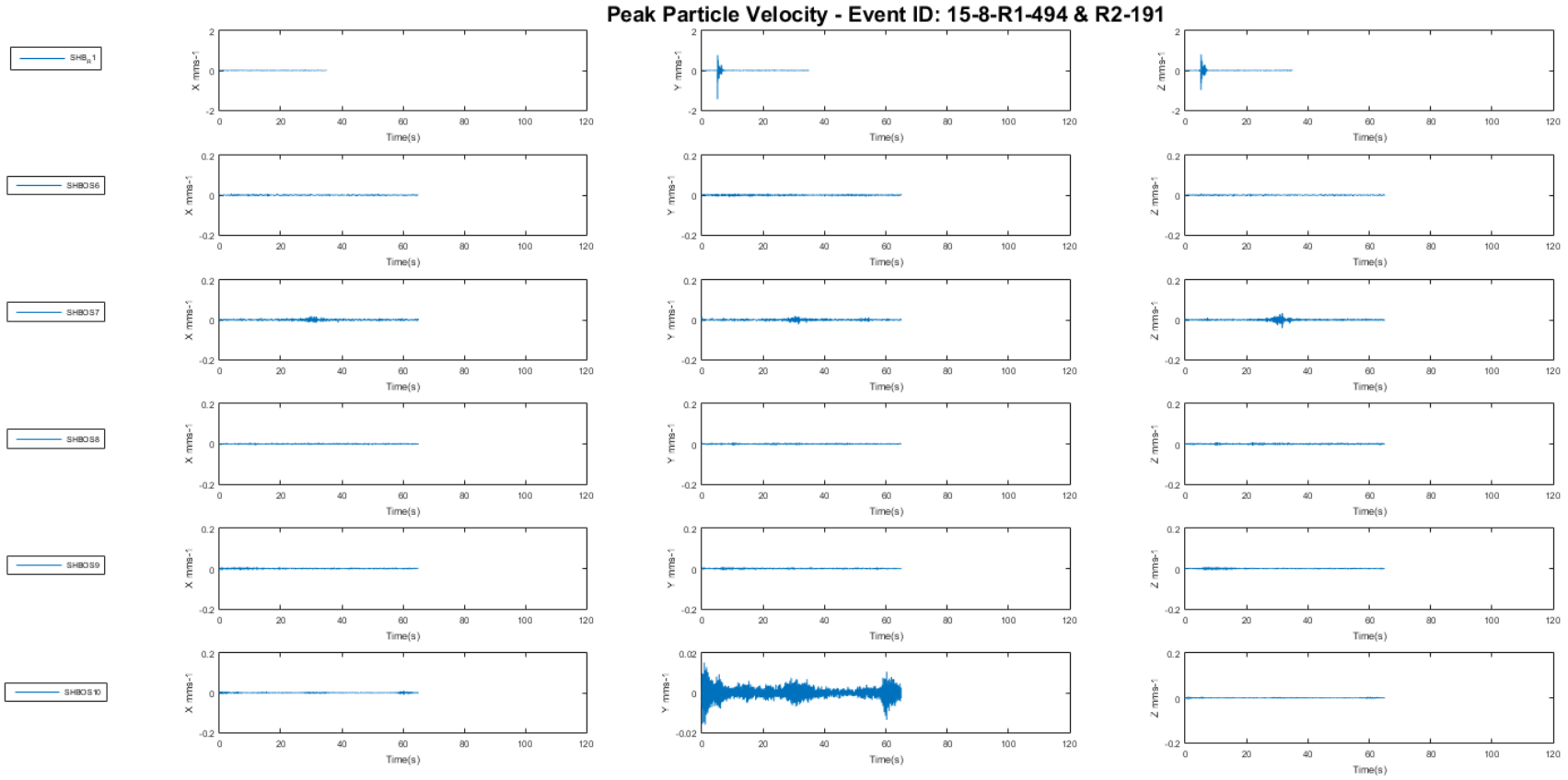


FIGURE 3.1135: SHB_OS 1 - 5 15-8-R1-494 & R2-191

FIGURE 3.1136: SHB_OS 6 - 10 15-8-R1-494 & R2-191



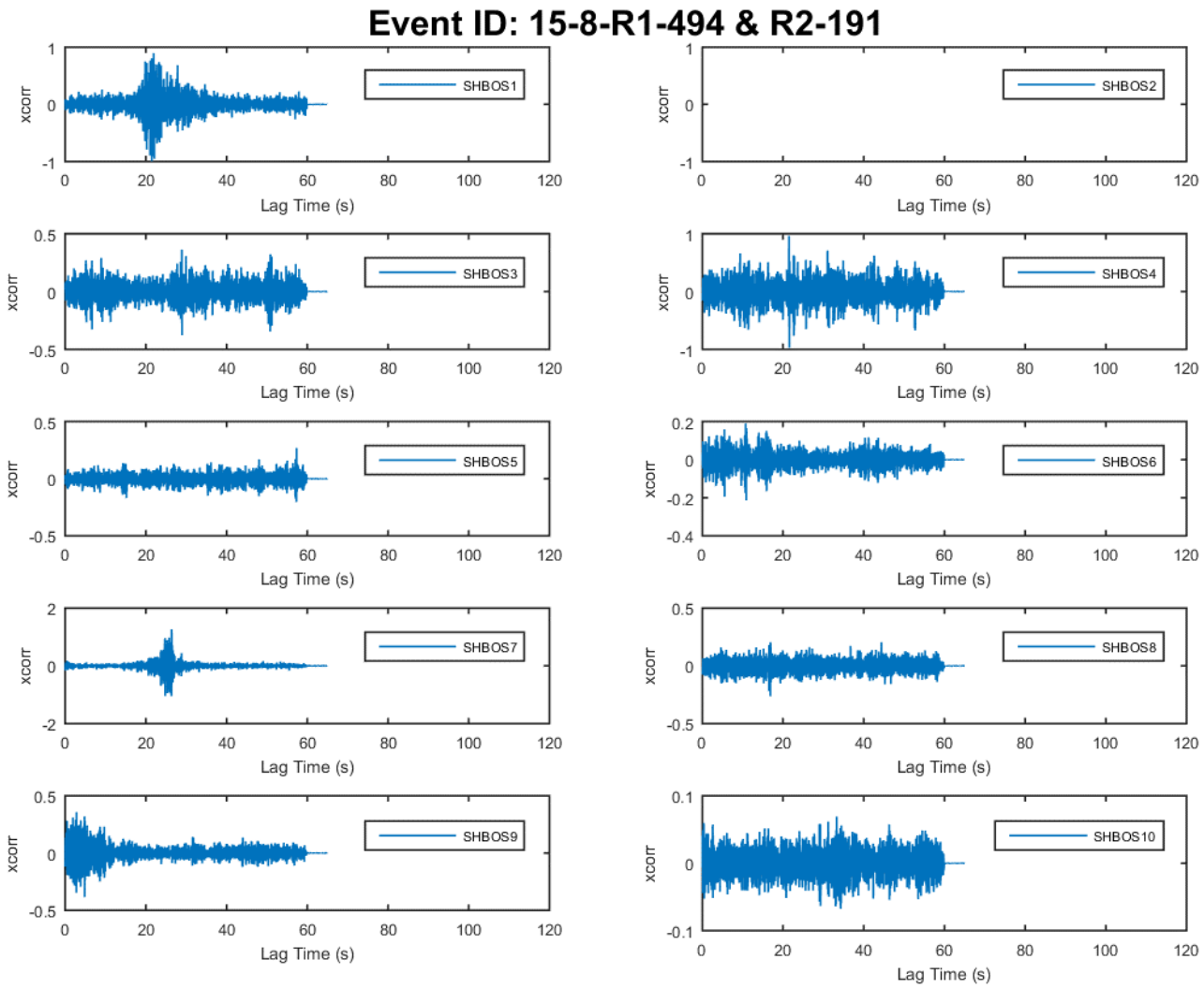


FIGURE 3.1137: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-494 & R2-191

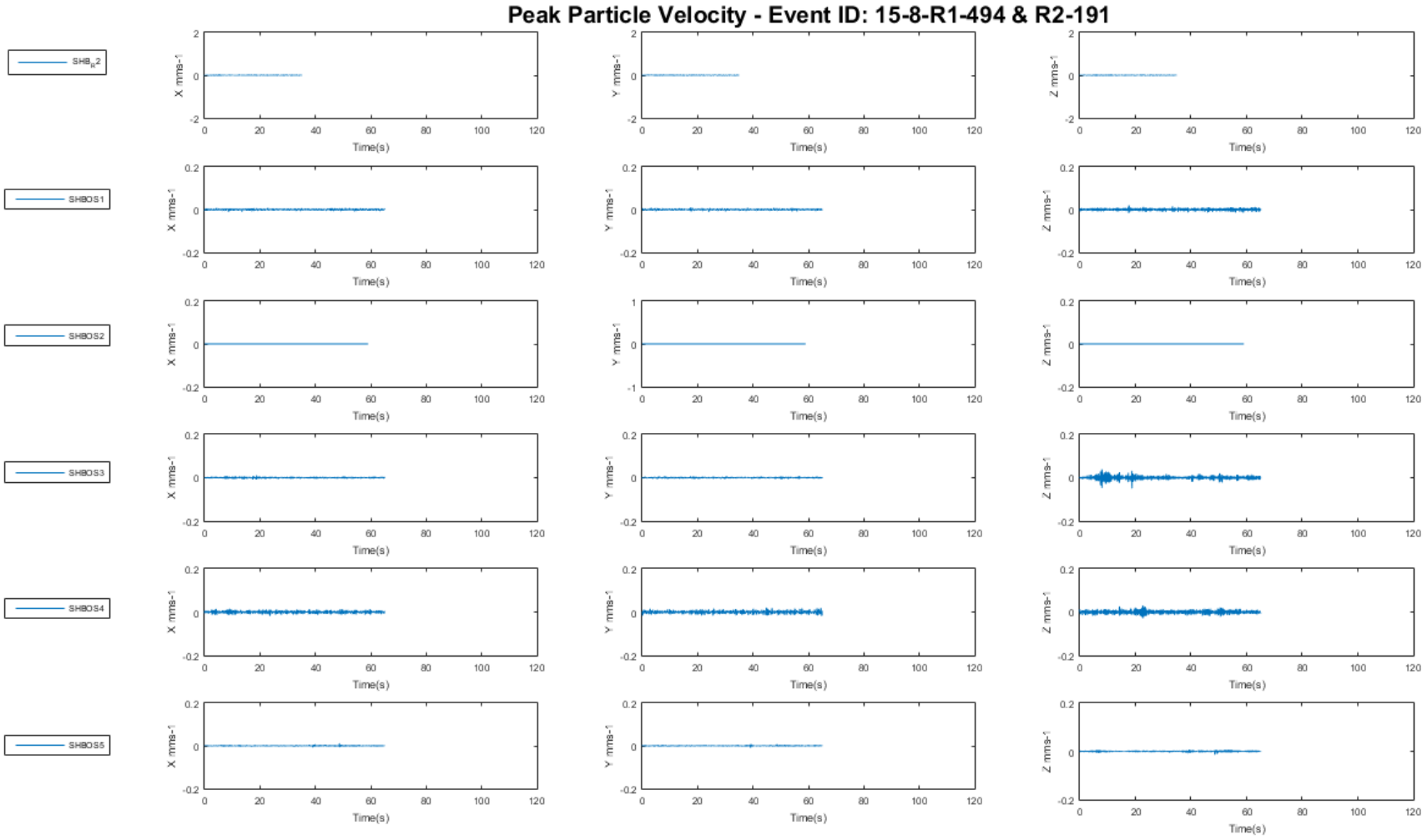


FIGURE 3.1138: SHB_OS 1 - 5 15-8-R1-494 & R2-191

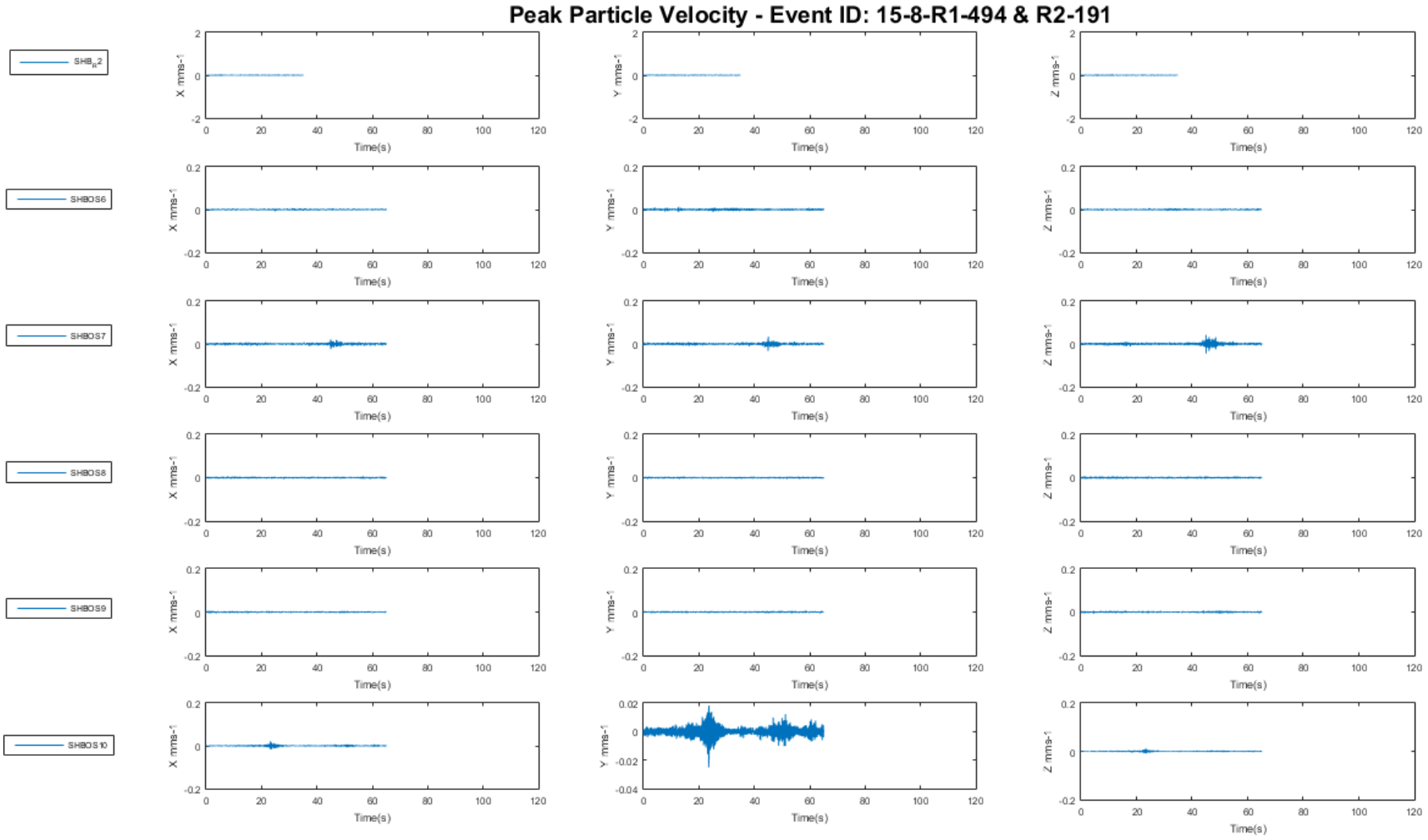


FIGURE 3.1139: SHB_OS 6 - 10 15-8-R1-494 & R2-191

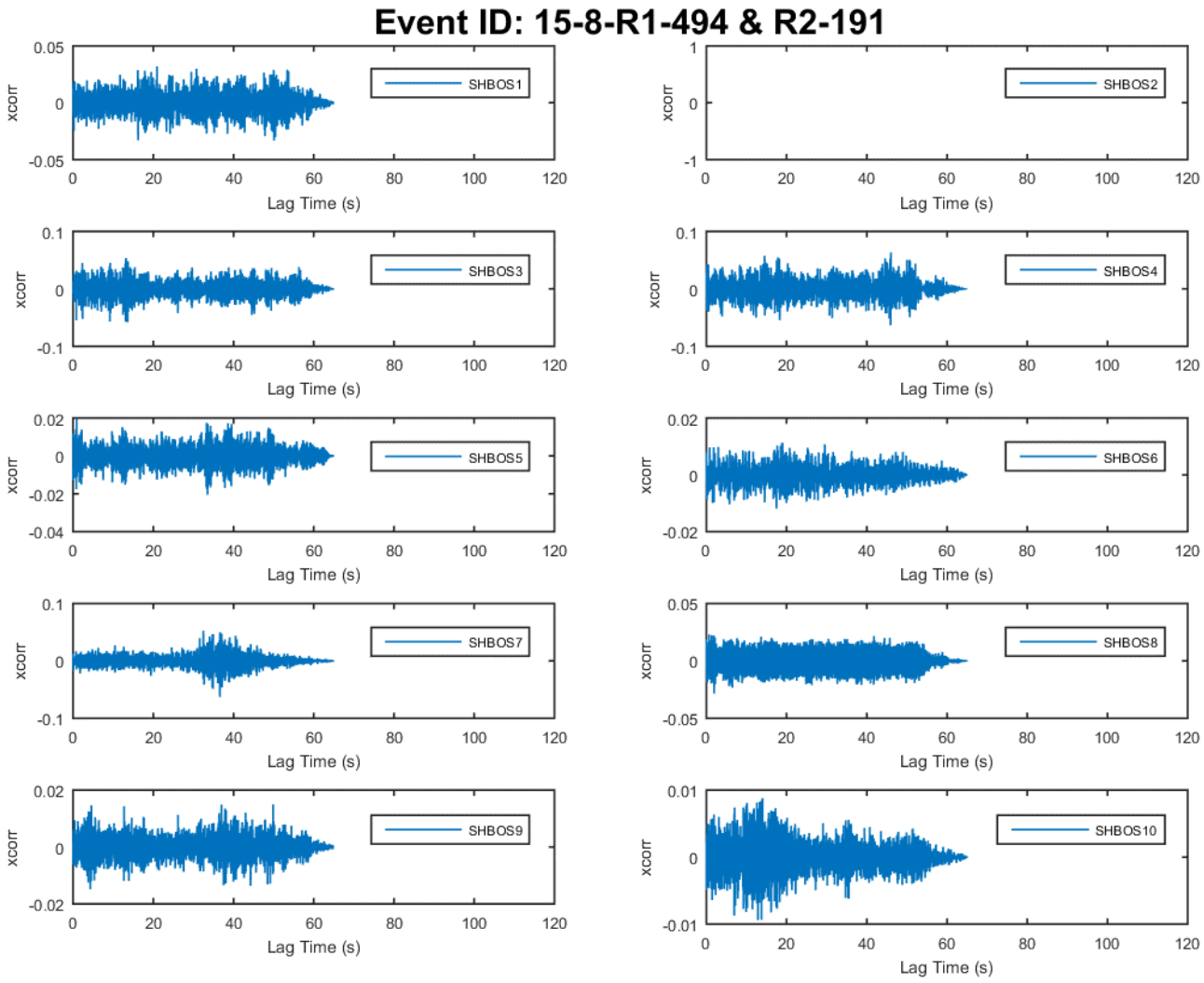


FIGURE 3.1140: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-494 & R2-191

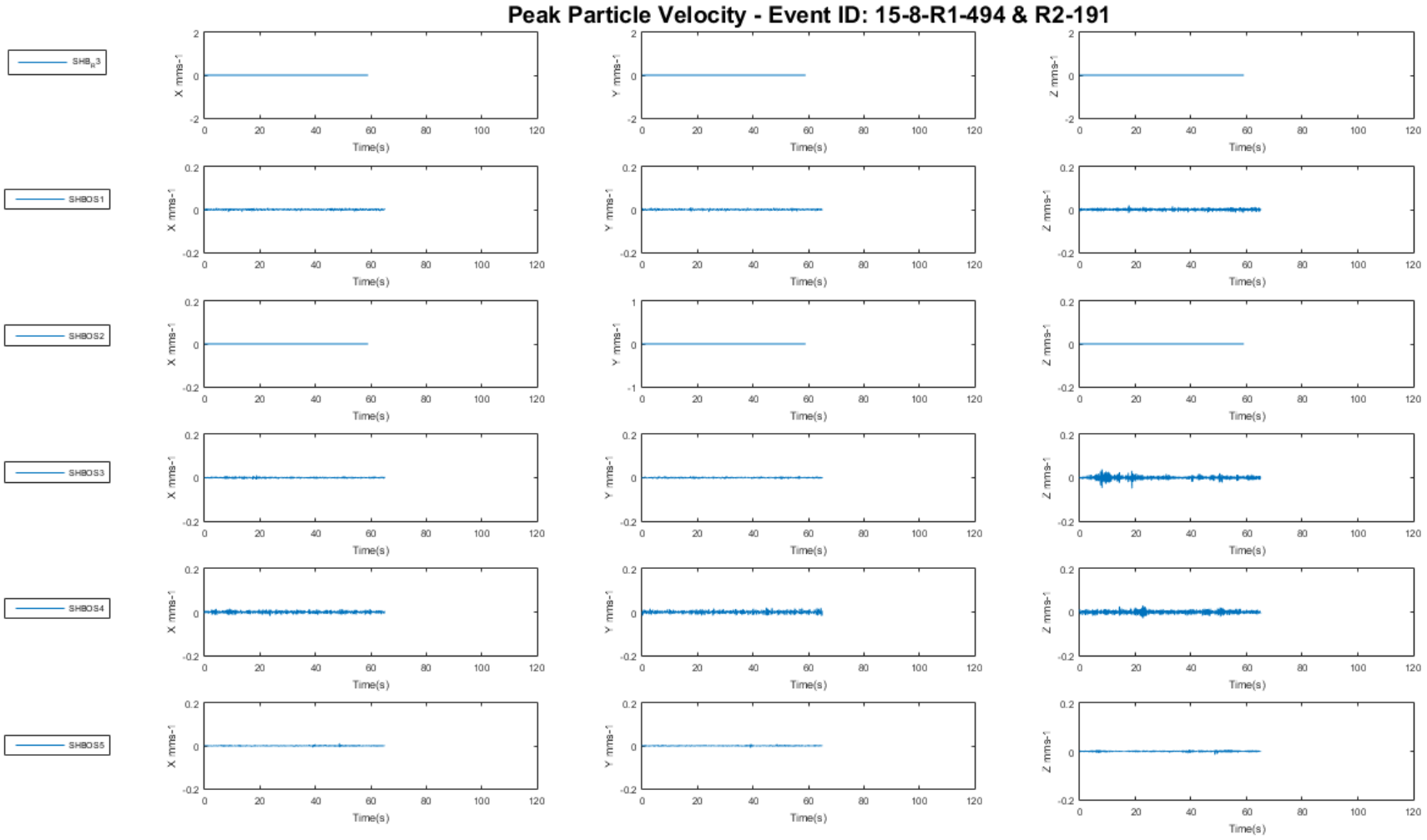


FIGURE 3.1141: SHB_OS 1 - 5 15-8-R1-494 & R2-191

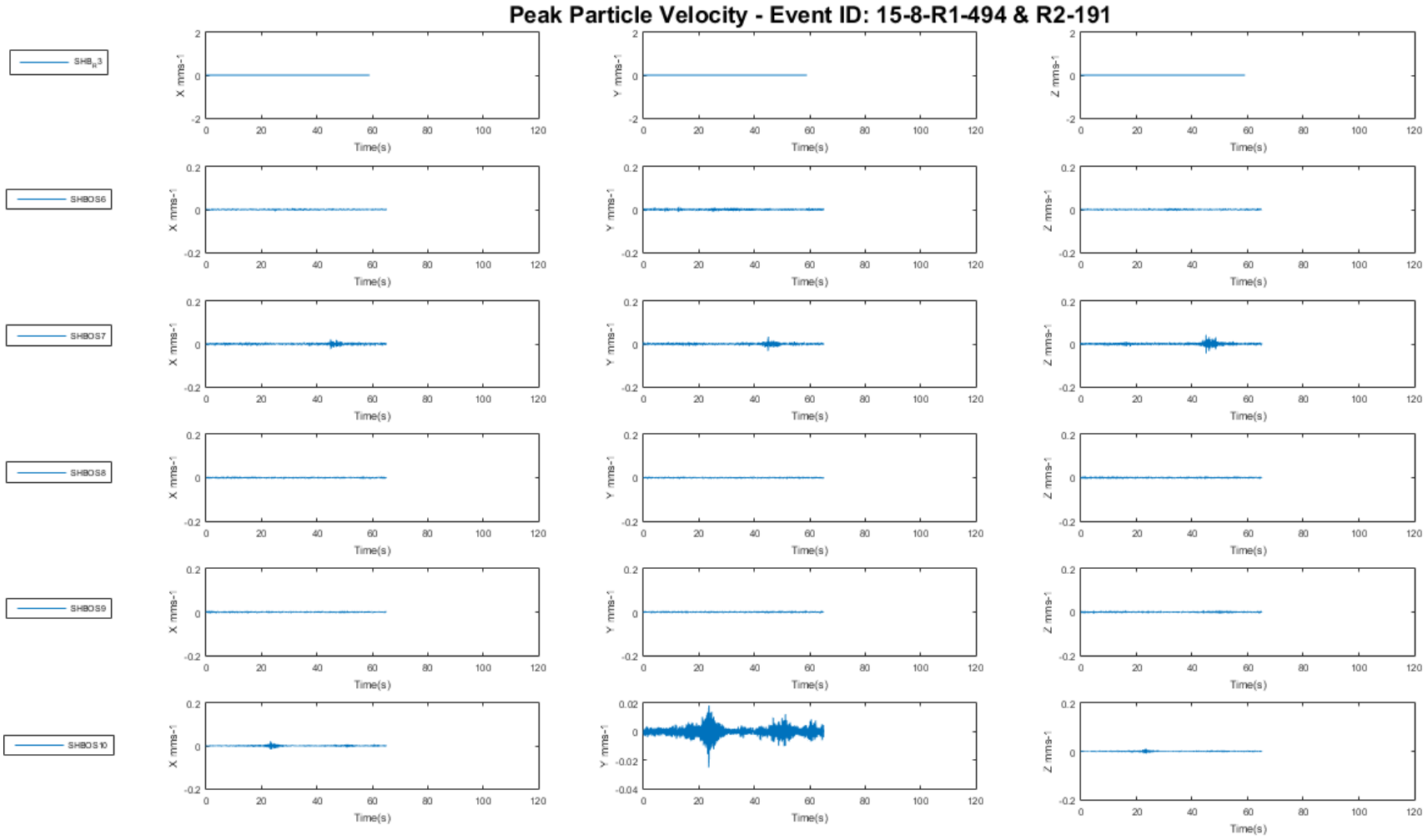


FIGURE 3.1142: SHB_OS 6 - 10 15-8-R1-494 & R2-191

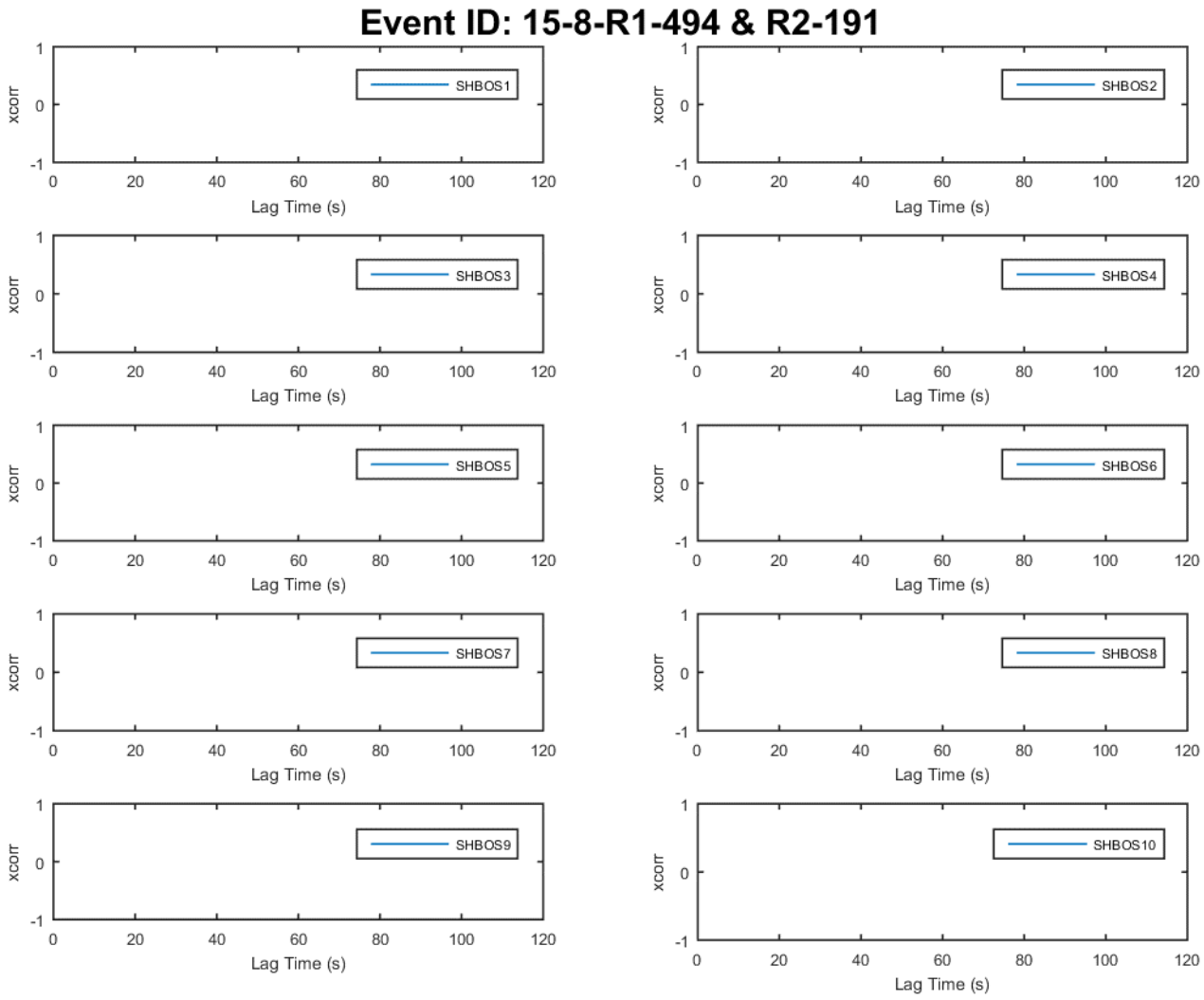


FIGURE 3.1143: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-494 & R2-191

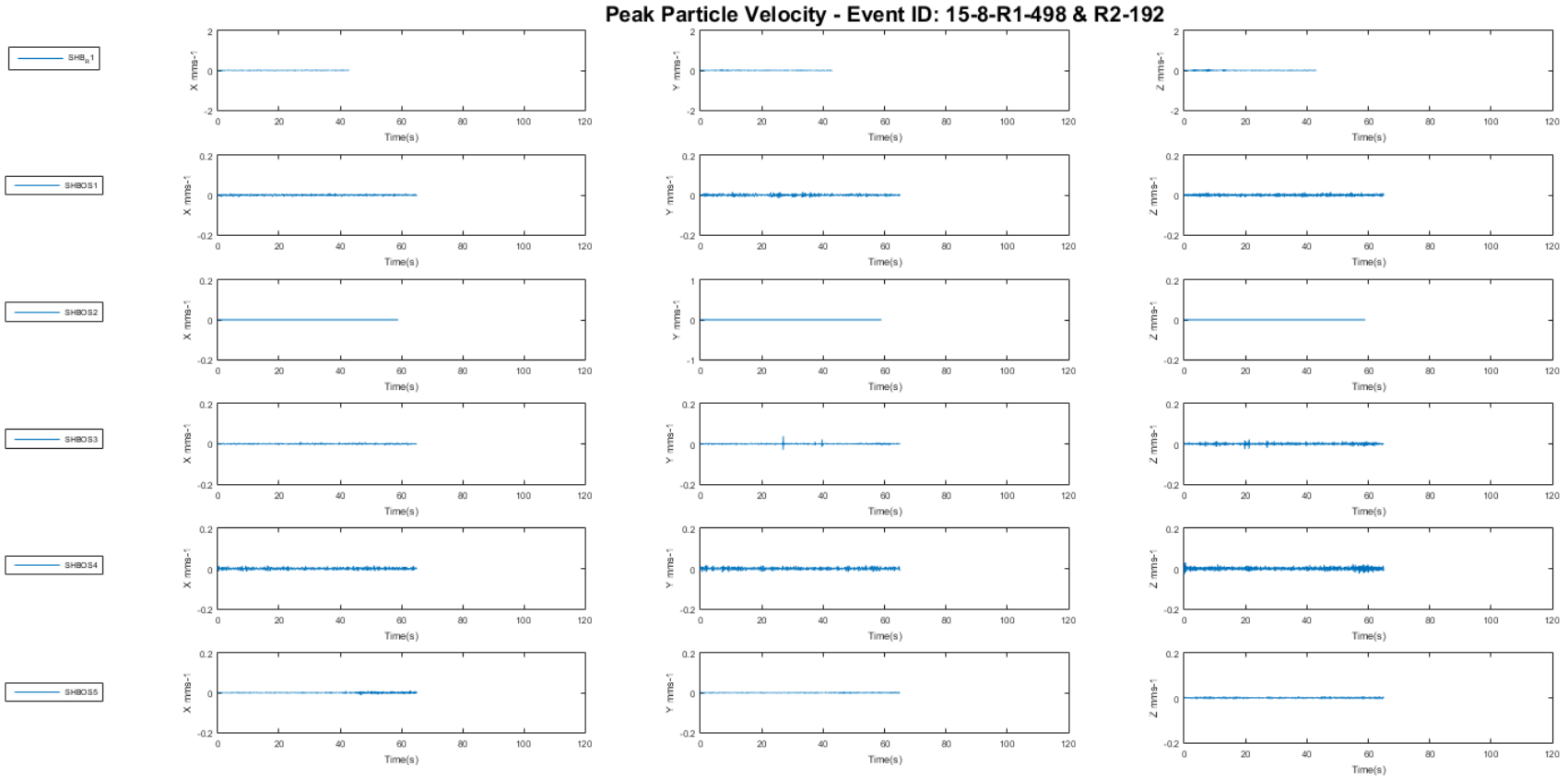
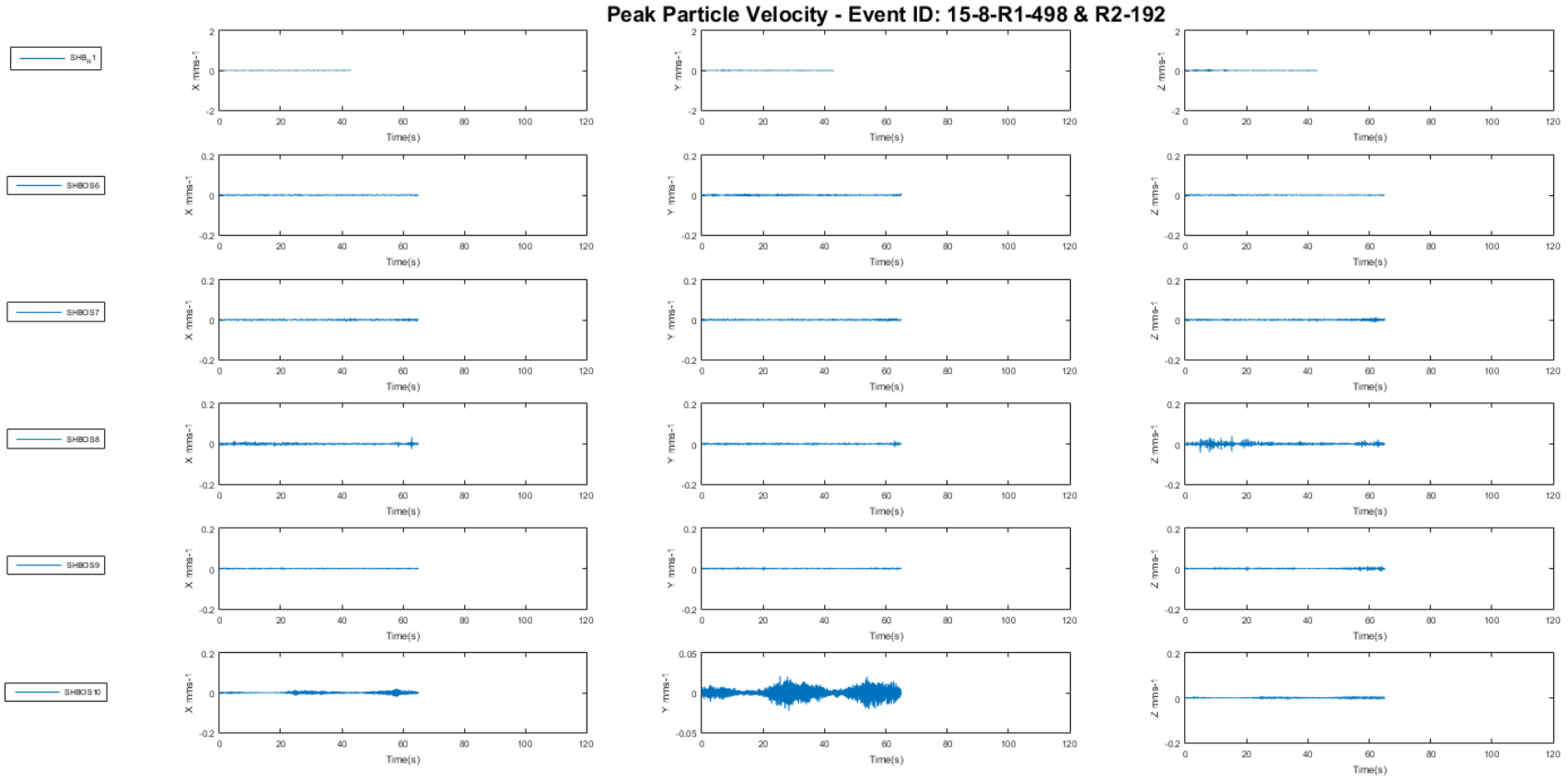


FIGURE 3.1144: SHB_OS 1 - 5 15-8-R1-498 & R2-192

FIGURE 3.1145: SHB_OS 6 - 10 15-8-R1-498 & R2-192



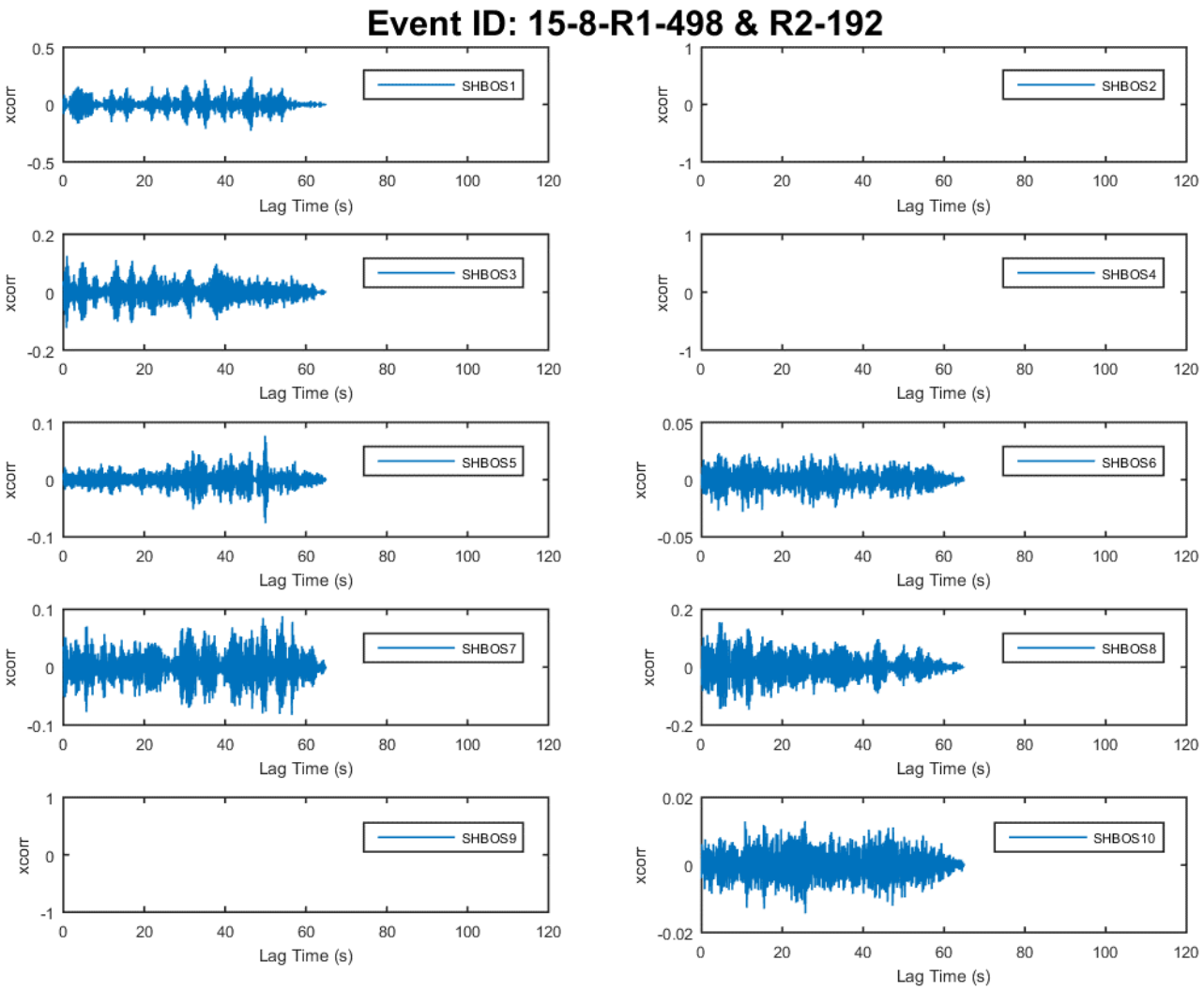


FIGURE 3.1146: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-498 & R2-192

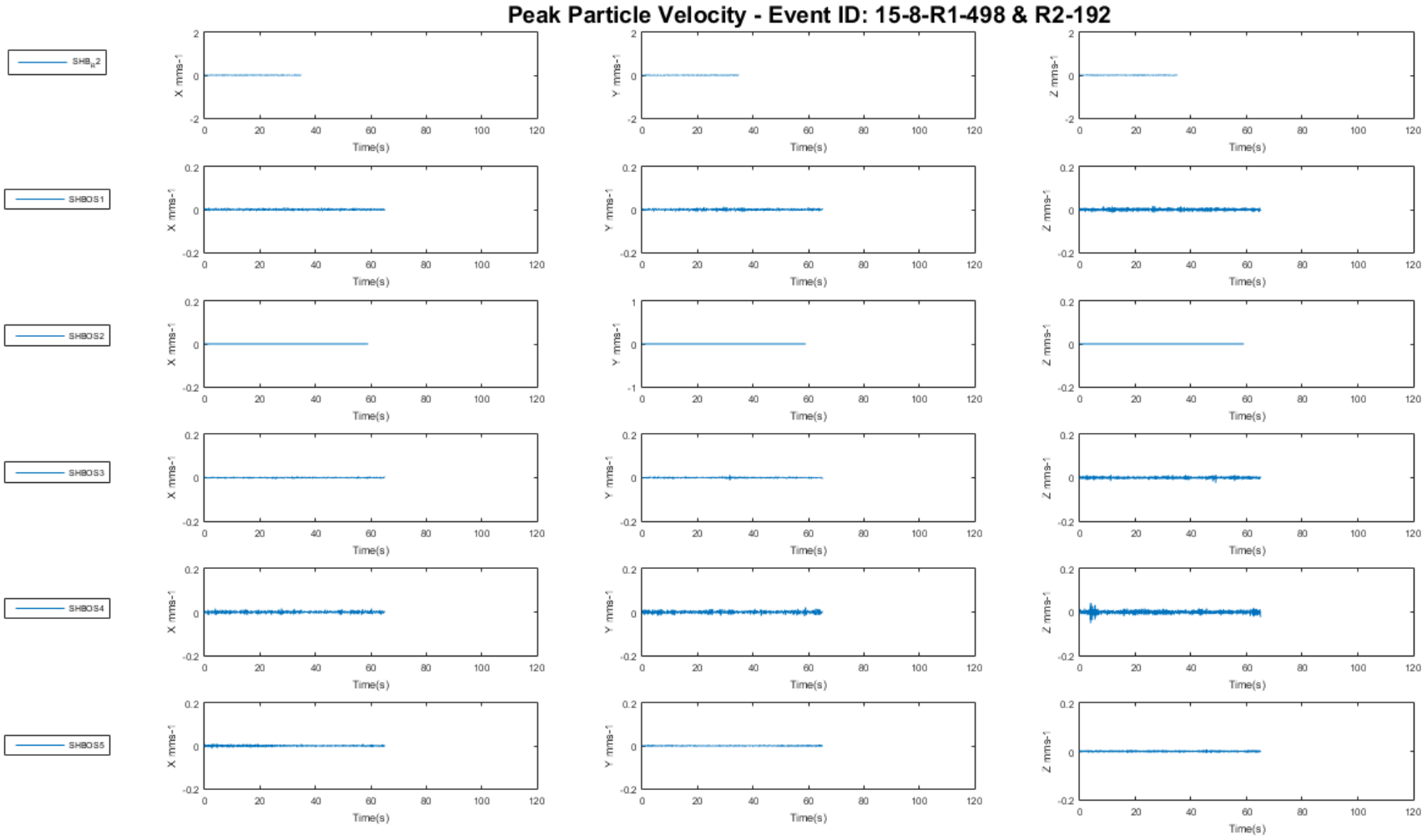


FIGURE 3.1147: SHB_OS 1 - 5 15-8-R1-498 & R2-192

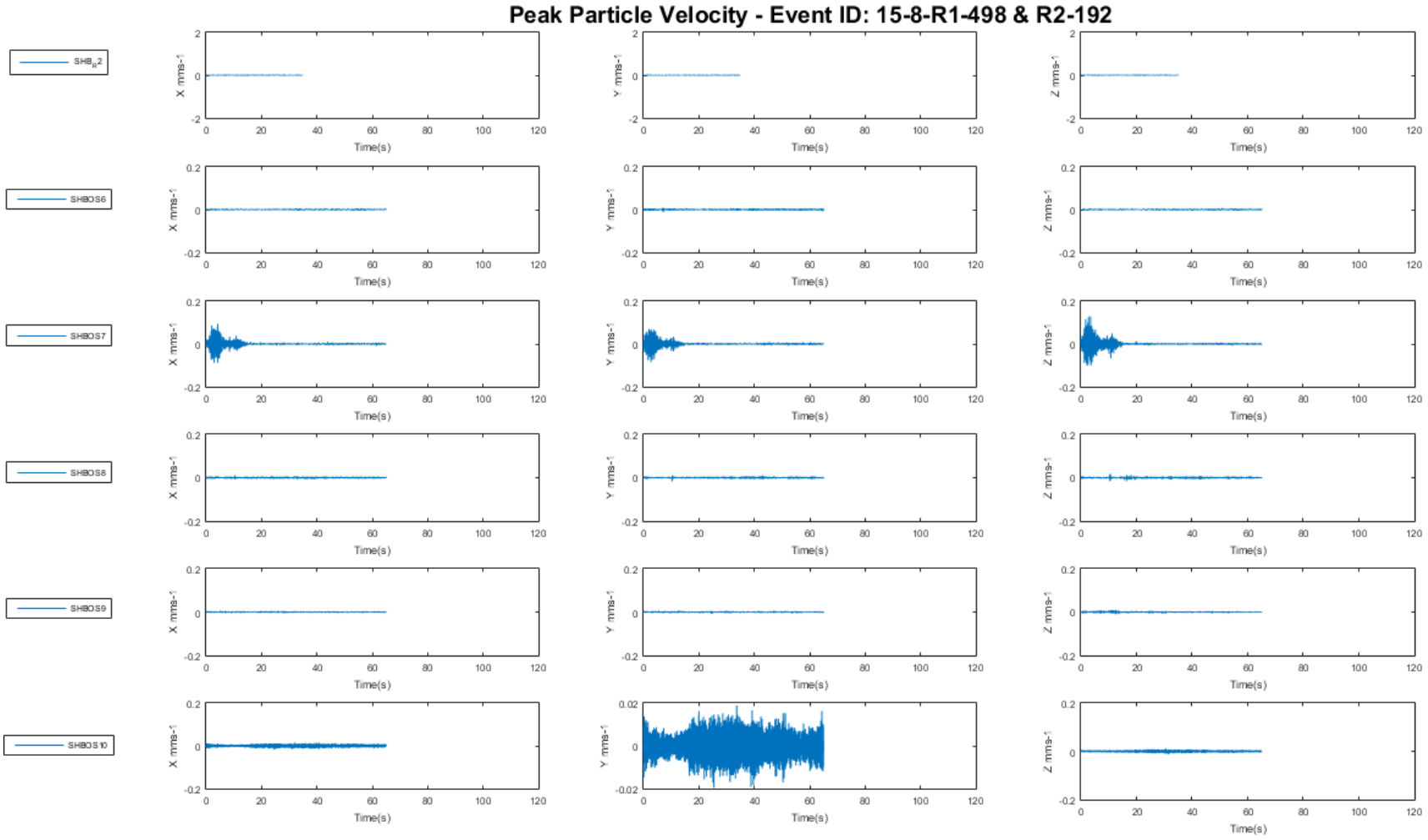


FIGURE 3.1148: SHB_OS 6 - 10 15-8-R1-498 & R2-192

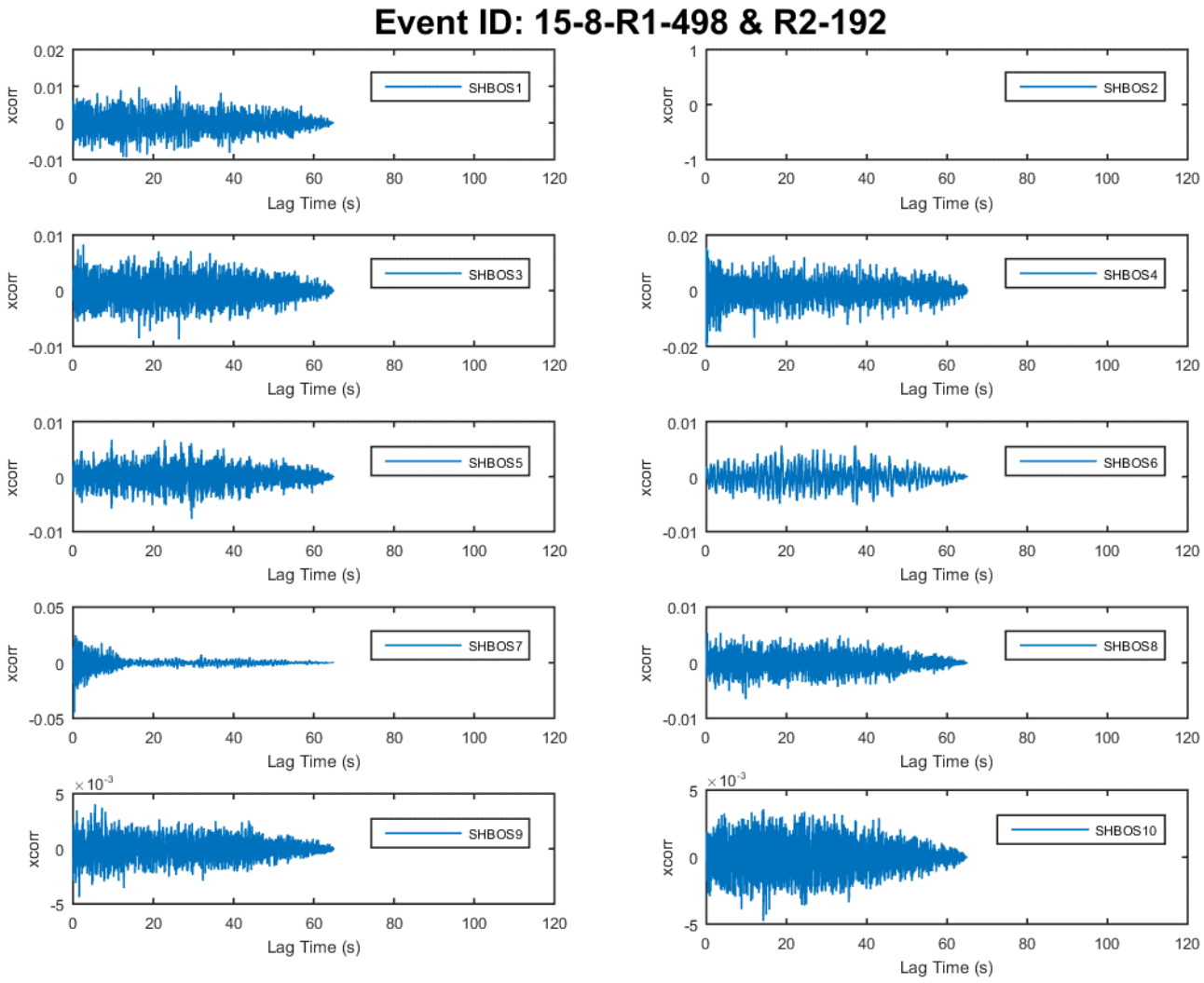


FIGURE 3.1149: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-498 & R2-192

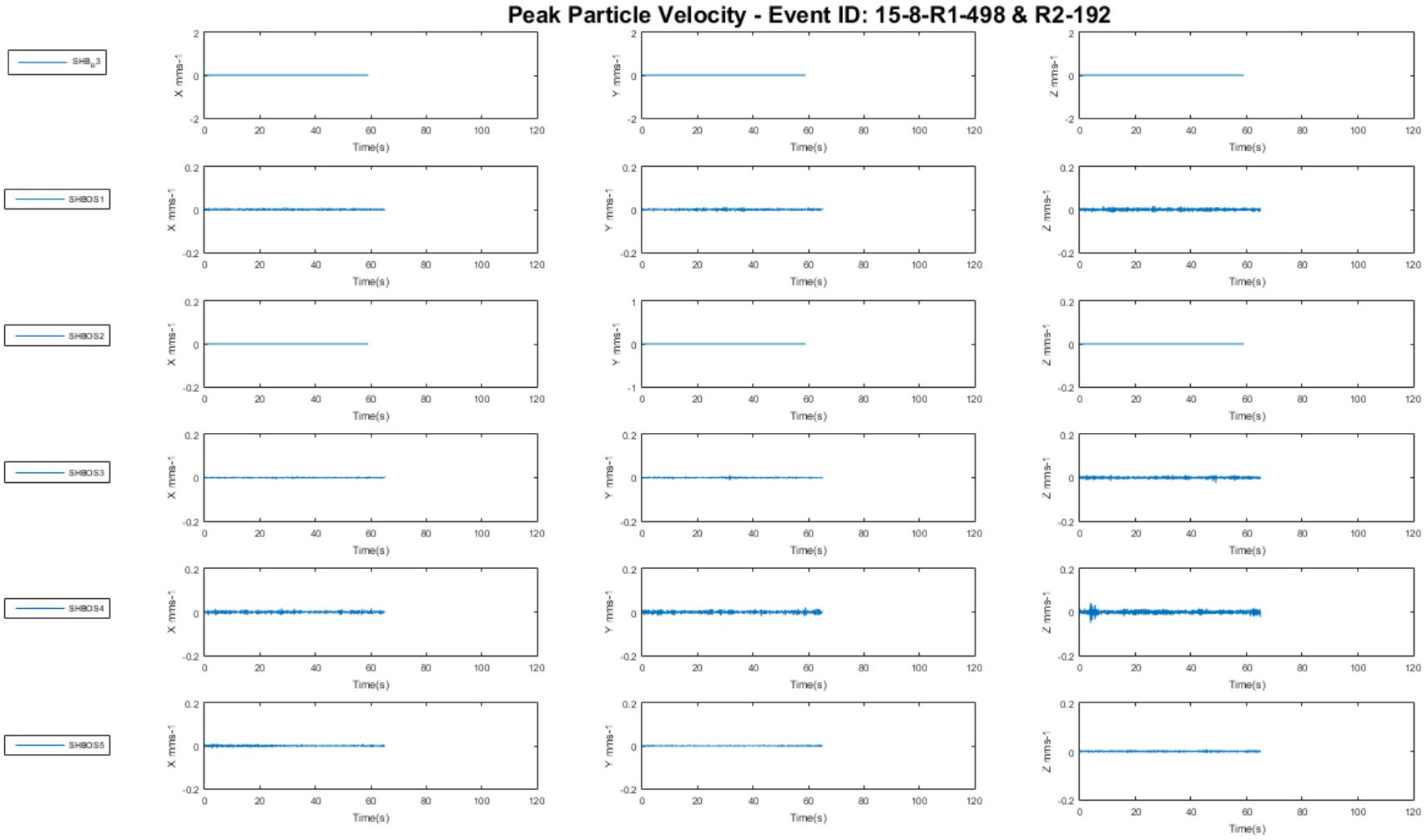


FIGURE 3.1150: SHB_OS 1 - 5 15-8-R1-498 & R2-192

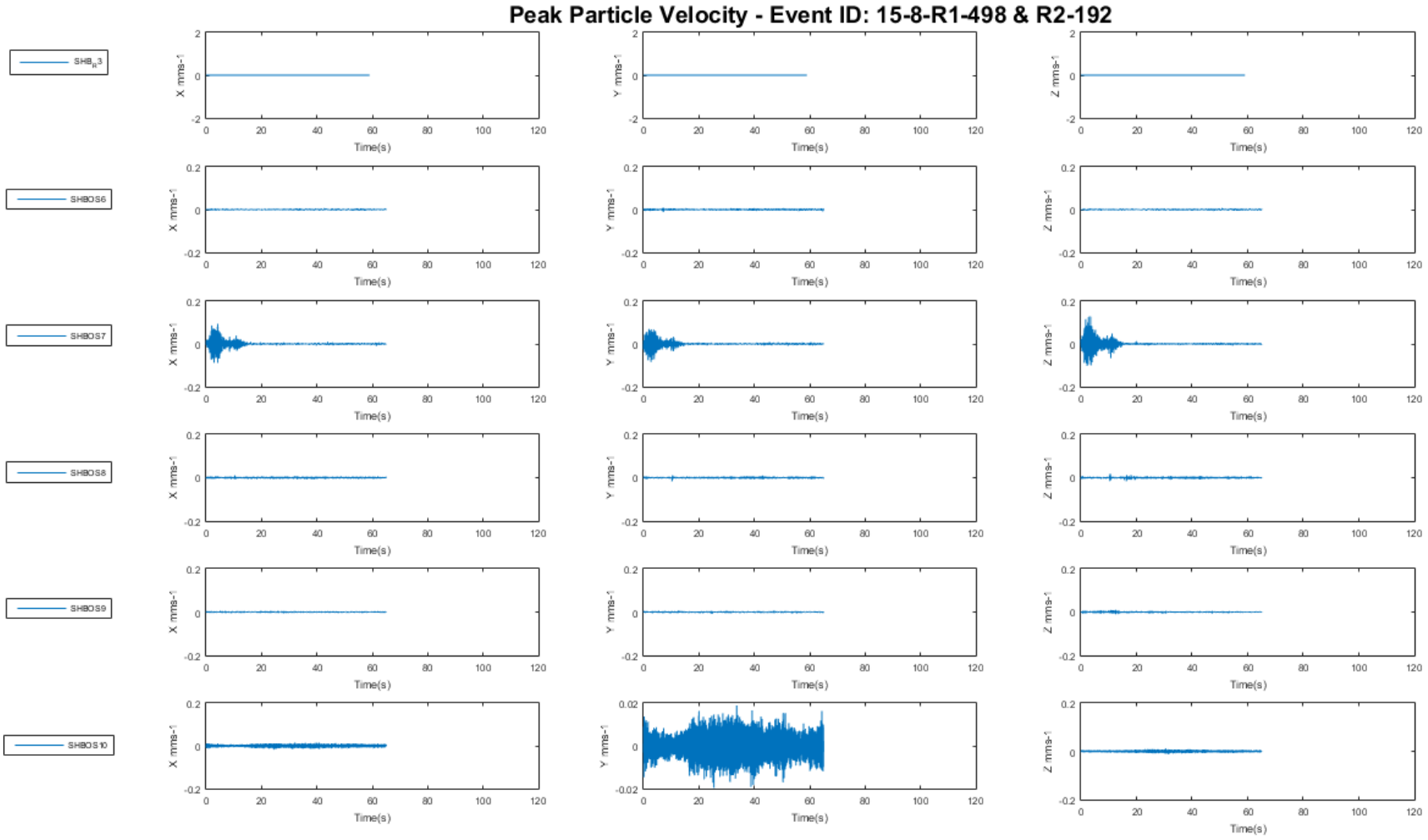


FIGURE 3.1151: SHB_OS 6 - 10 15-8-R1-498 & R2-192

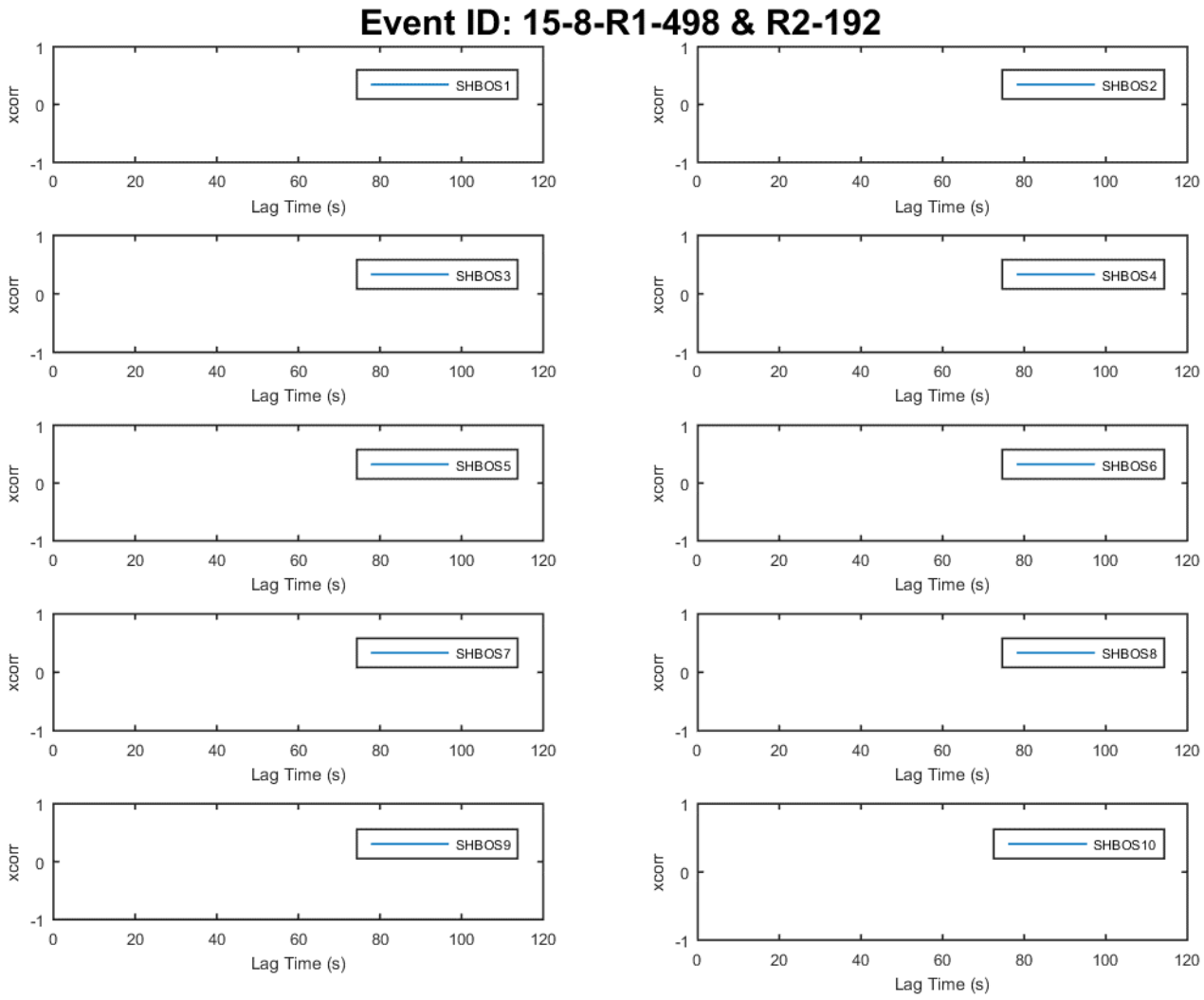


FIGURE 3.1152: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-498 & R2-192

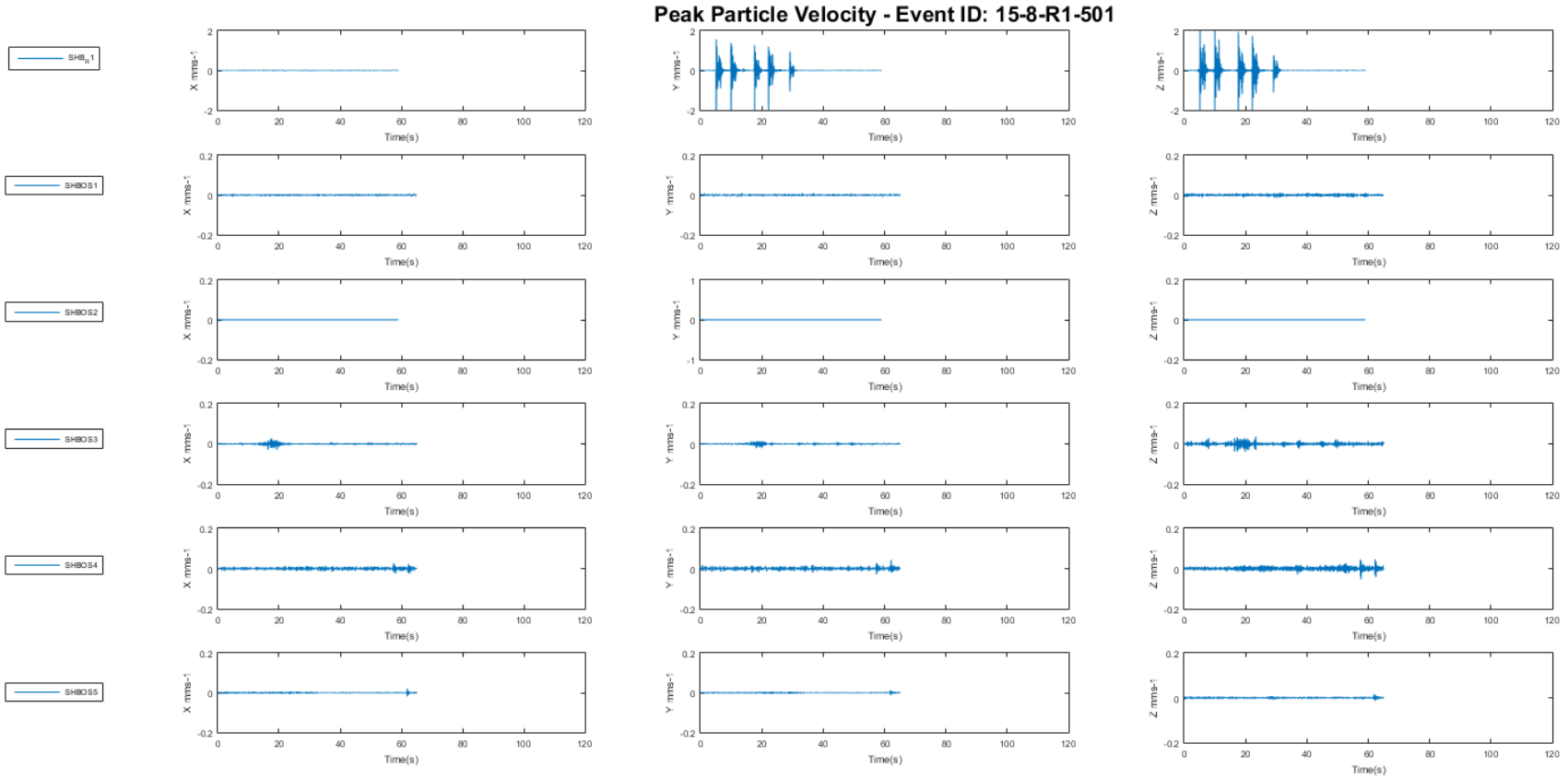
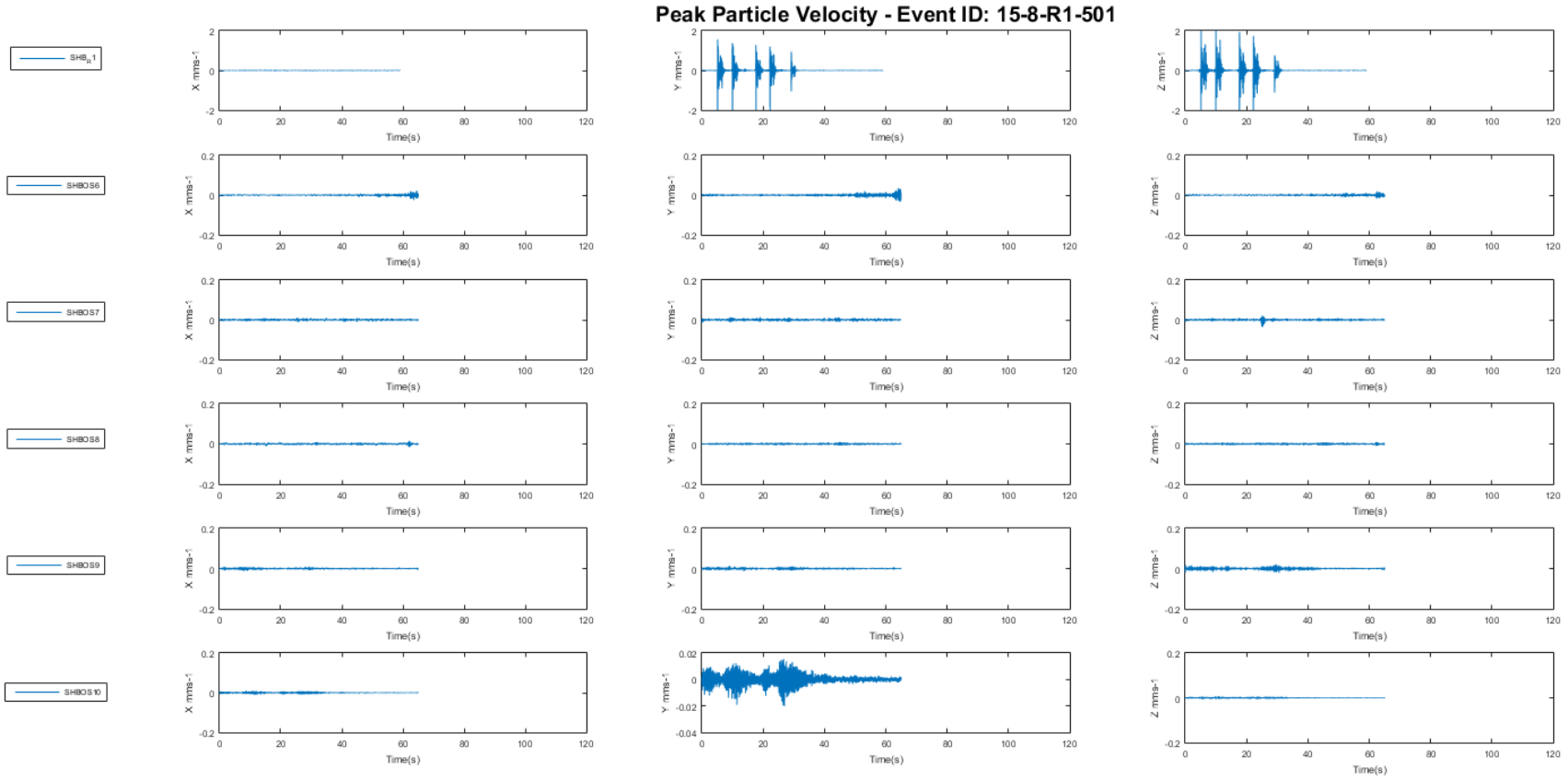


FIGURE 3.1153: SHB_OS 1 - 5 15-8-R1-501

FIGURE 3.1154: SHB_OS 6 - 10 15-8-R1-501



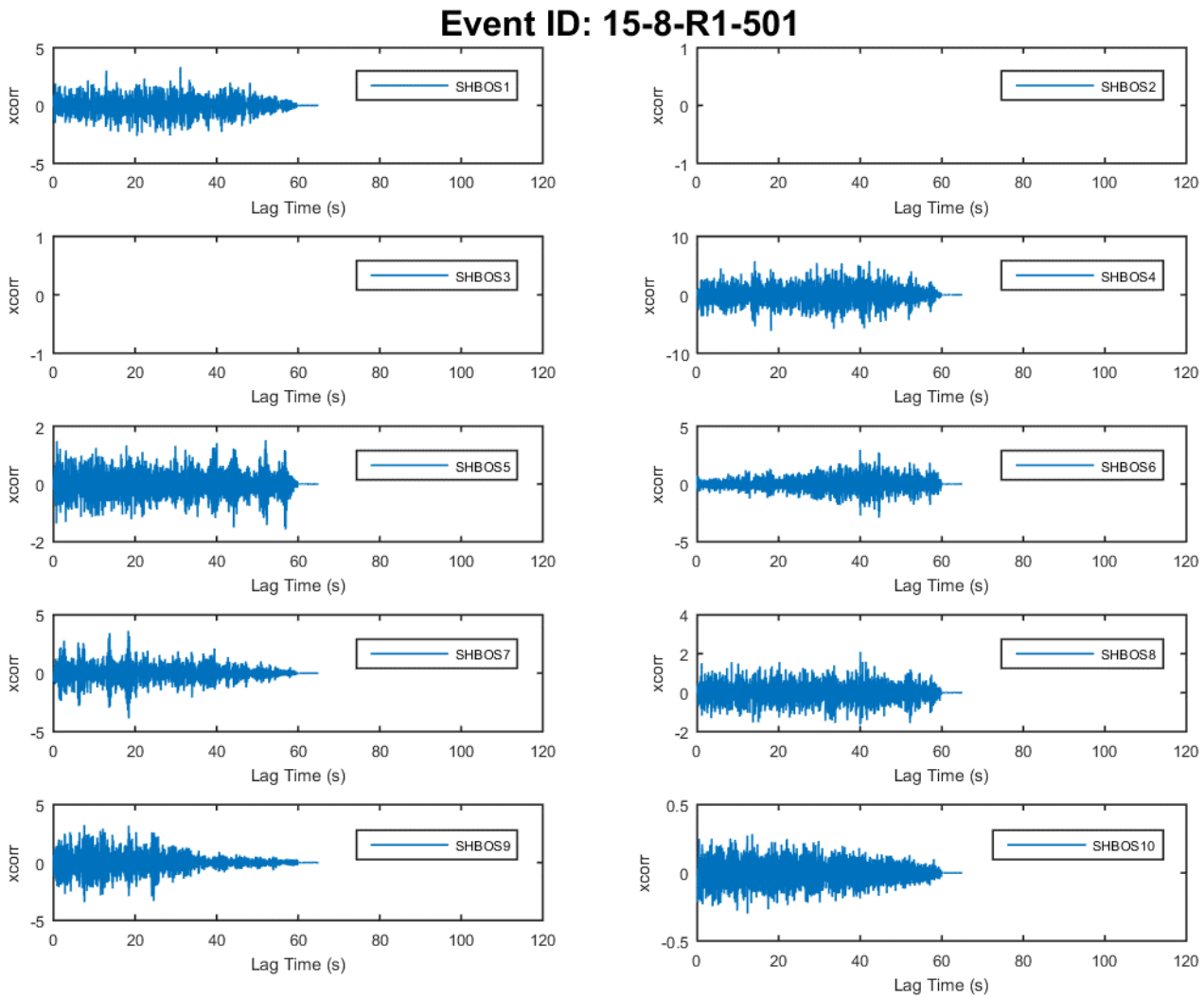


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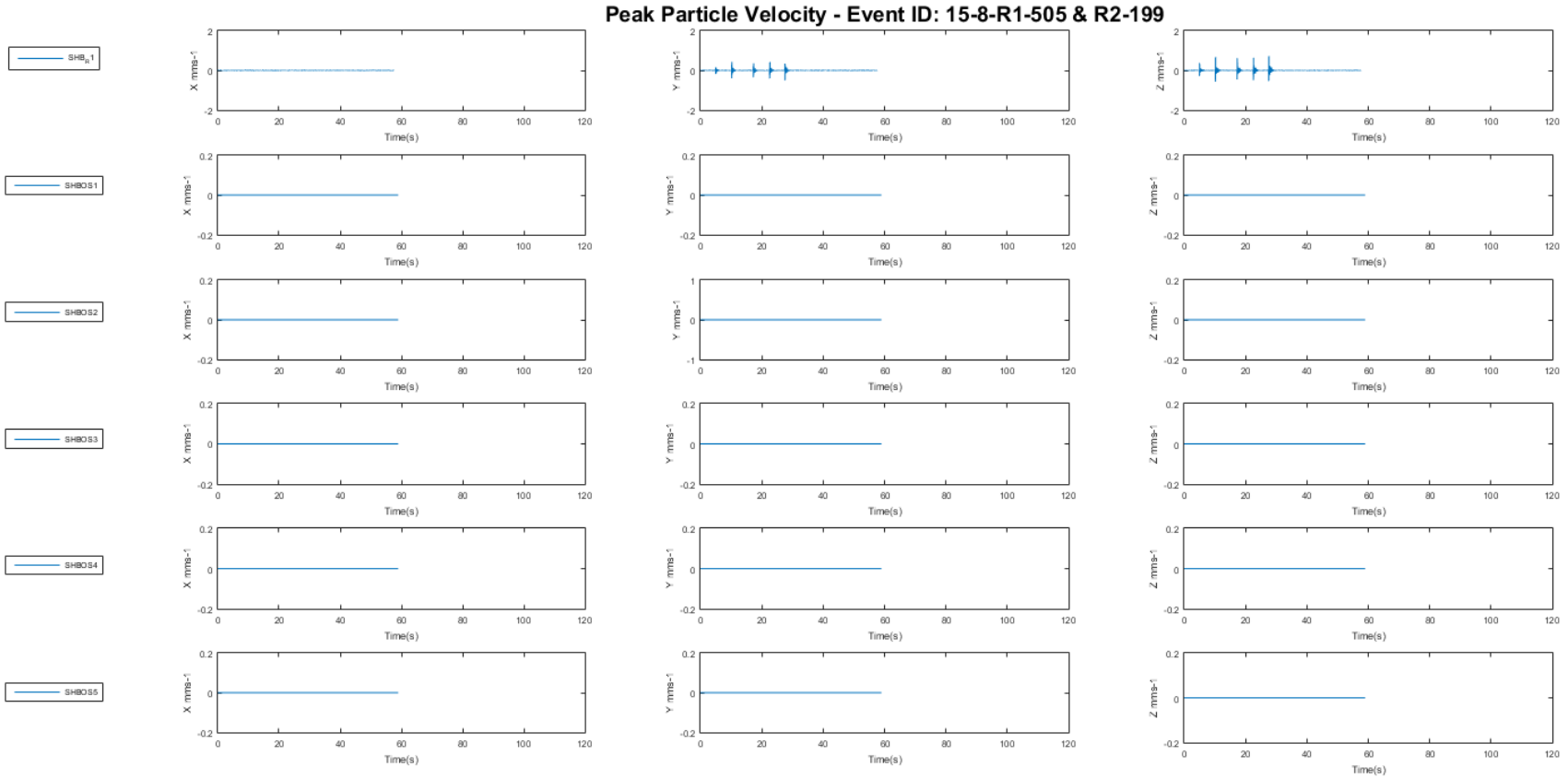
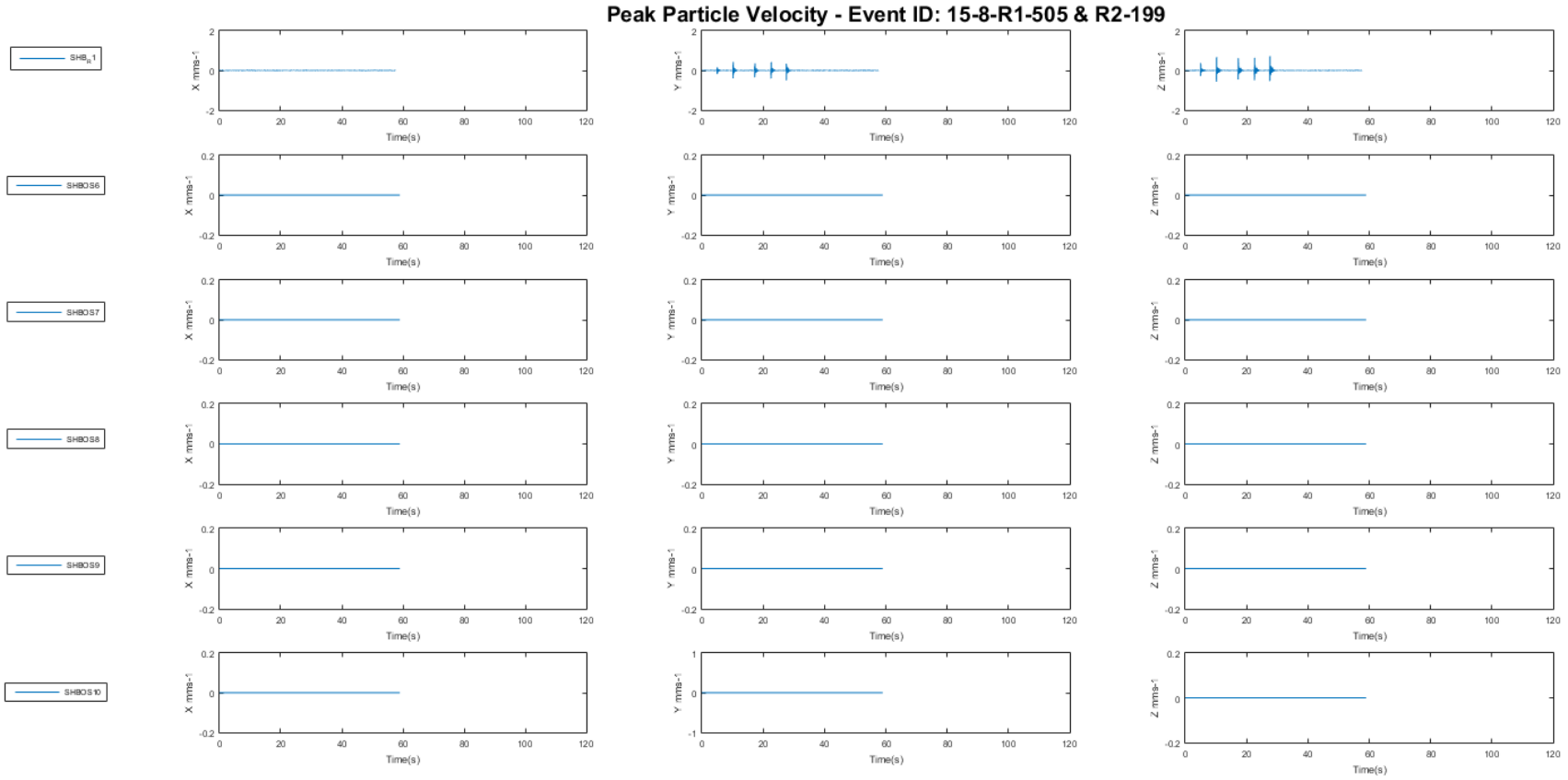


FIGURE 3.1156: SHB_OS 1 - 5 15-8-R1-505 & R2-199

FIGURE 3.1157: SHB_OS 6 - 10 15-8-R1-505 & R2-199



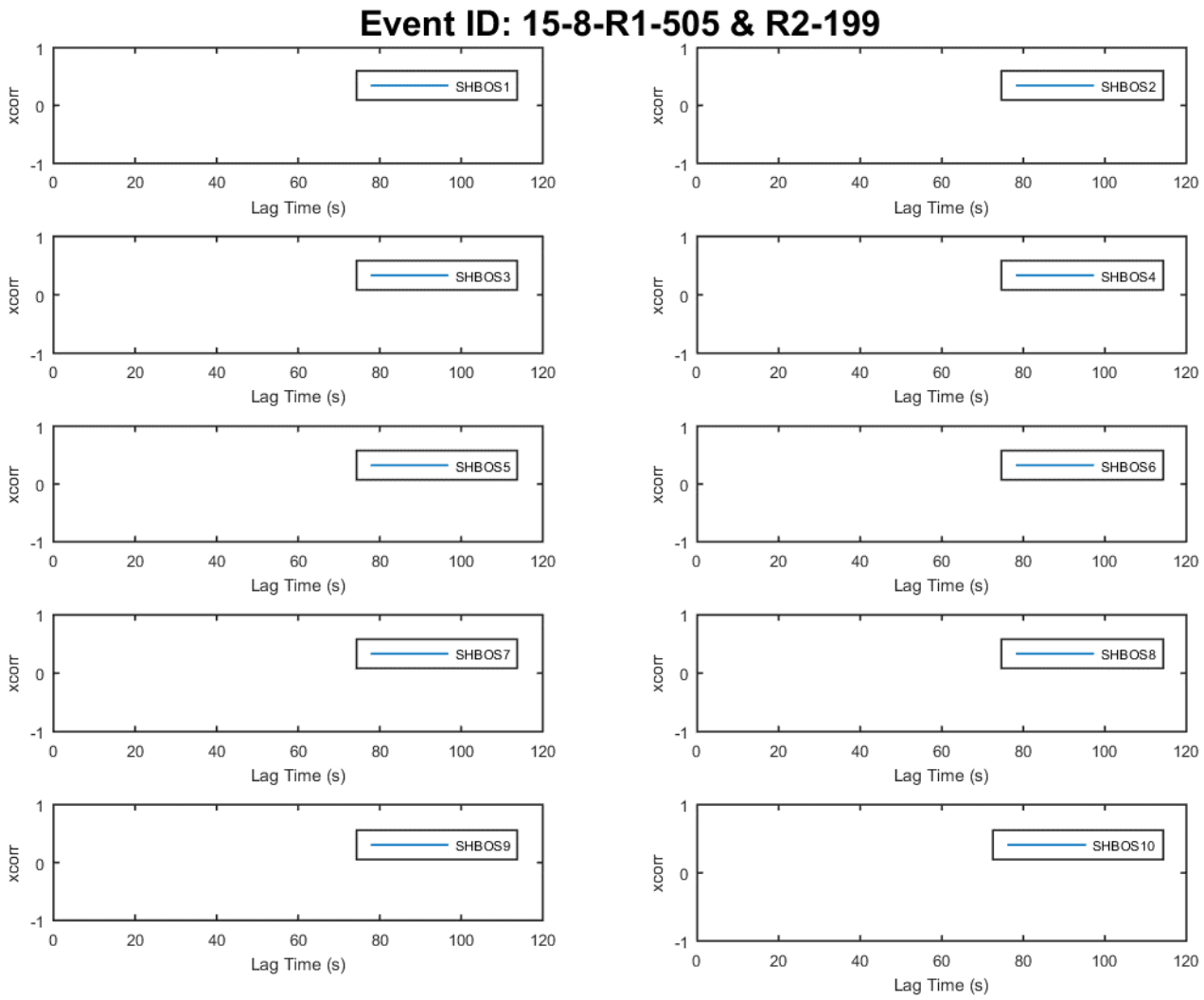


FIGURE 3.1158: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-505 & R2-199

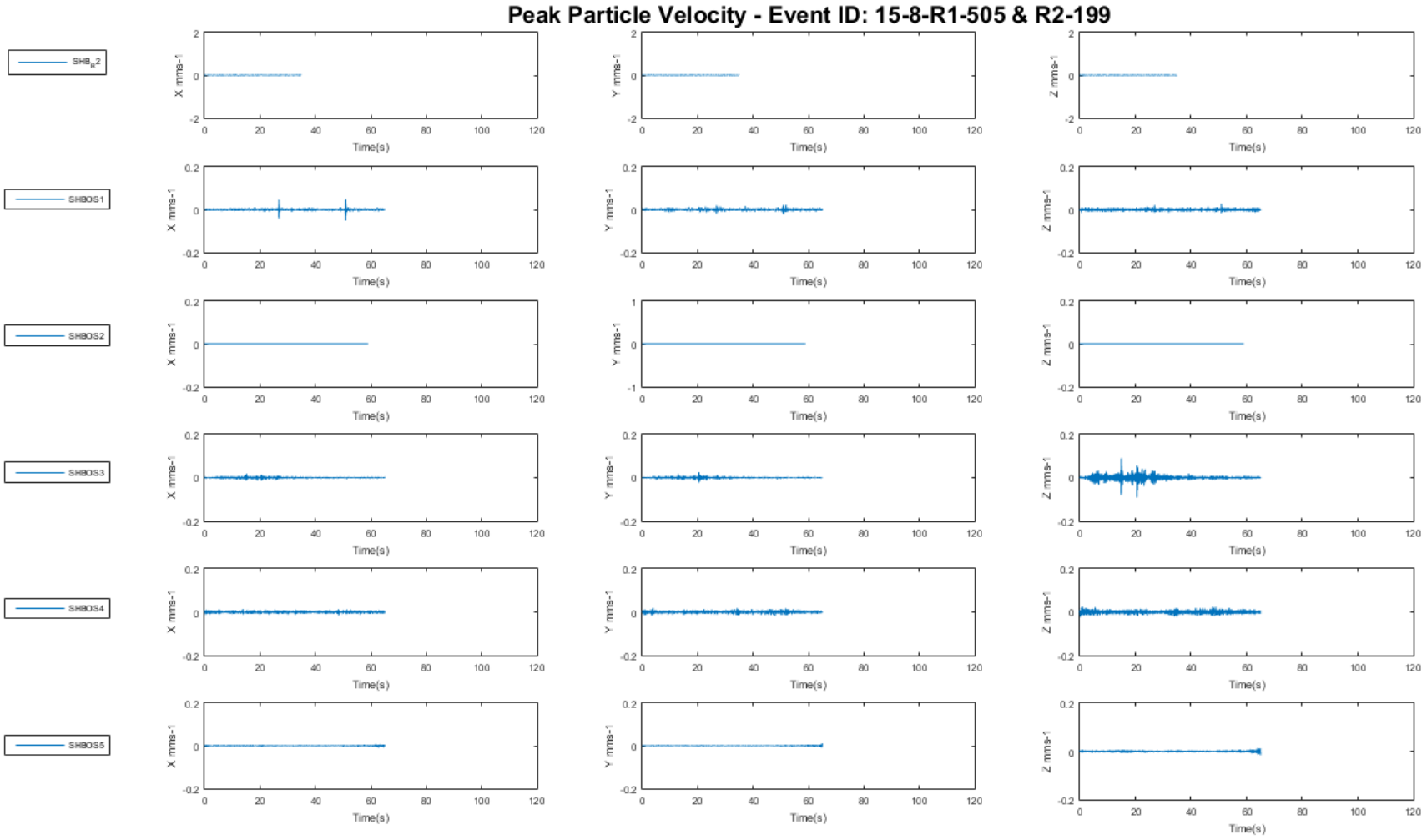


FIGURE 3.1159: SHB_OS 1 - 5 15-8-R1-505 & R2-199

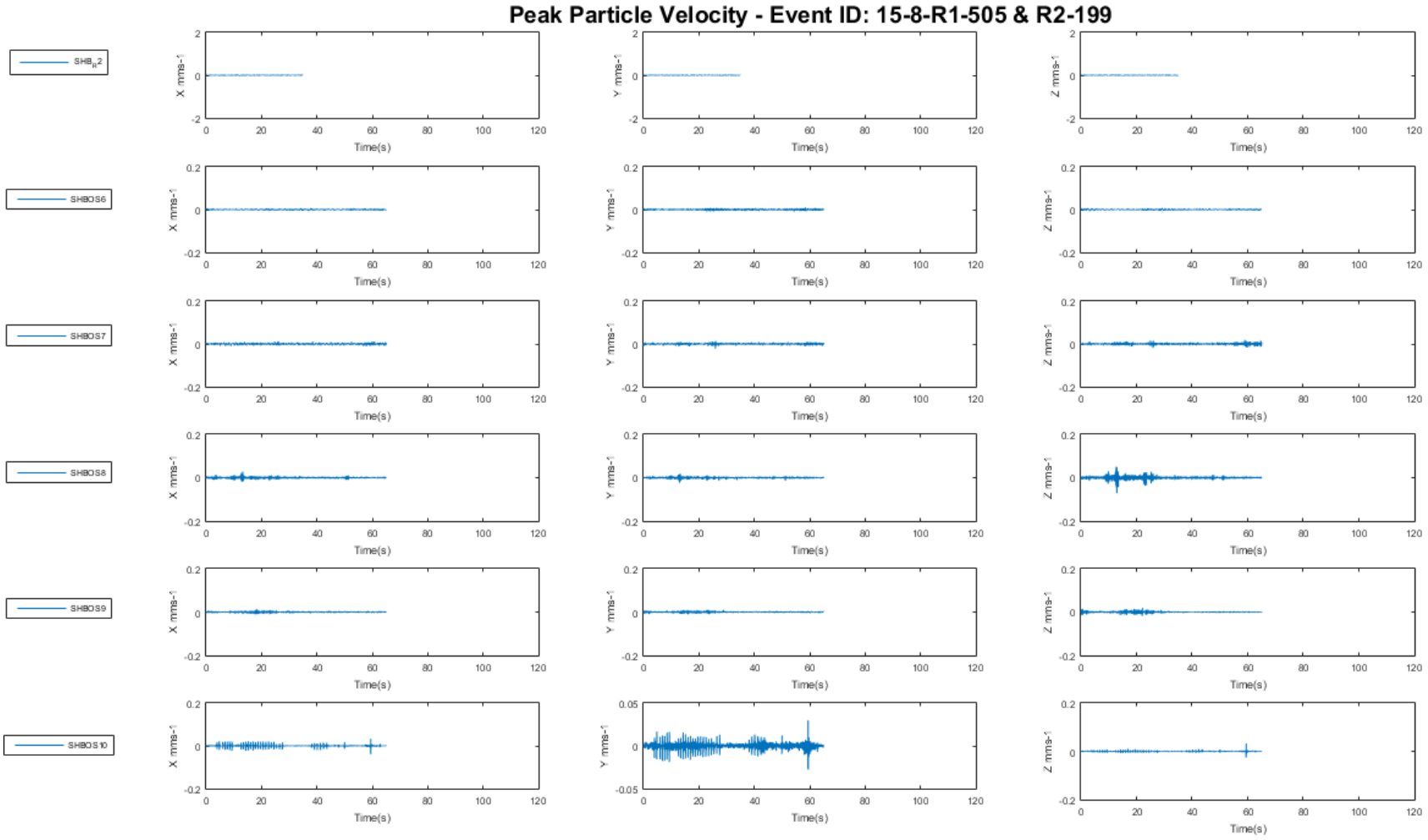


FIGURE 3.1160: SHB_OS 6 - 10 15-8-R1-505 & R2-199

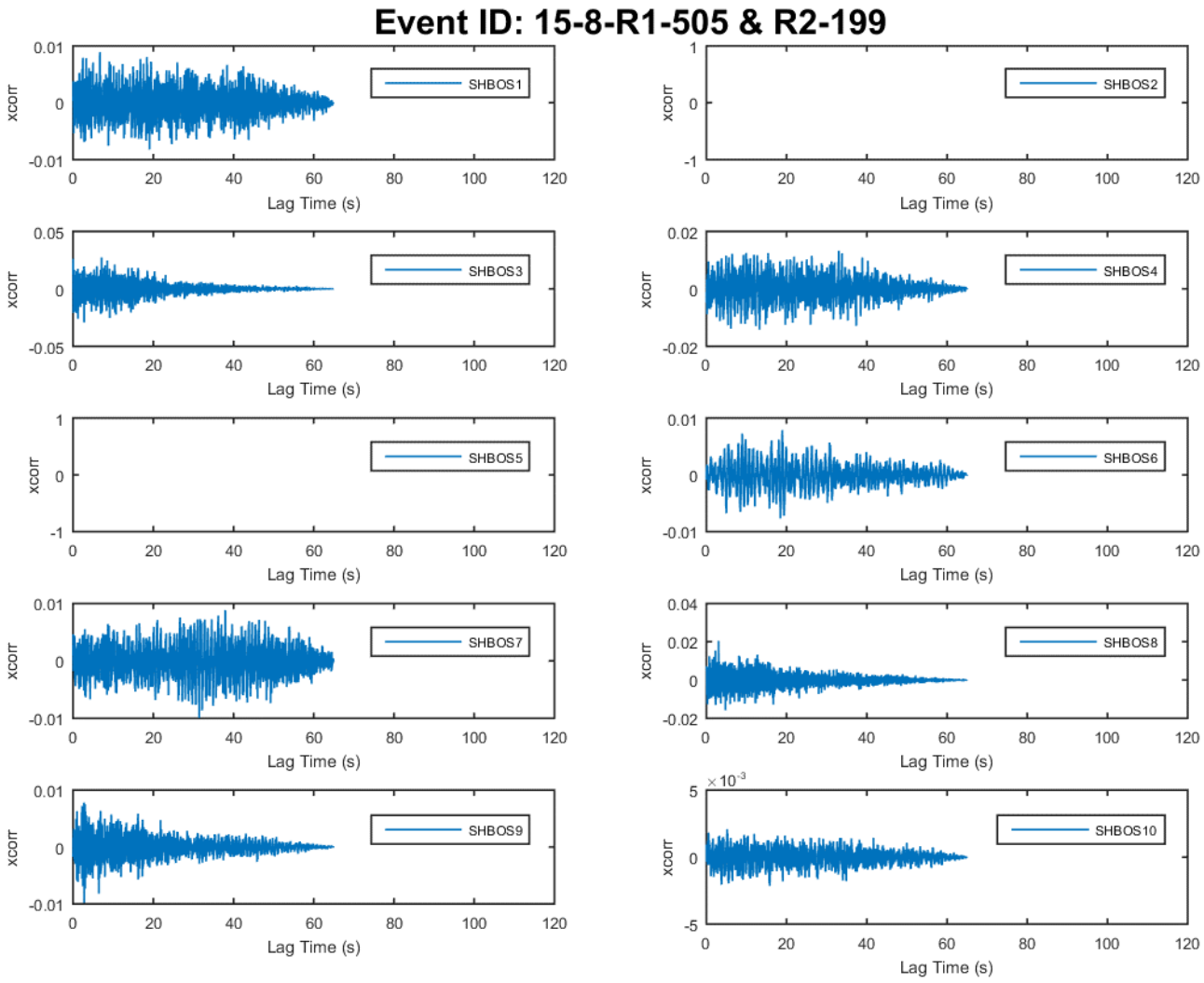


FIGURE 3.1161: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-505 & R2-199

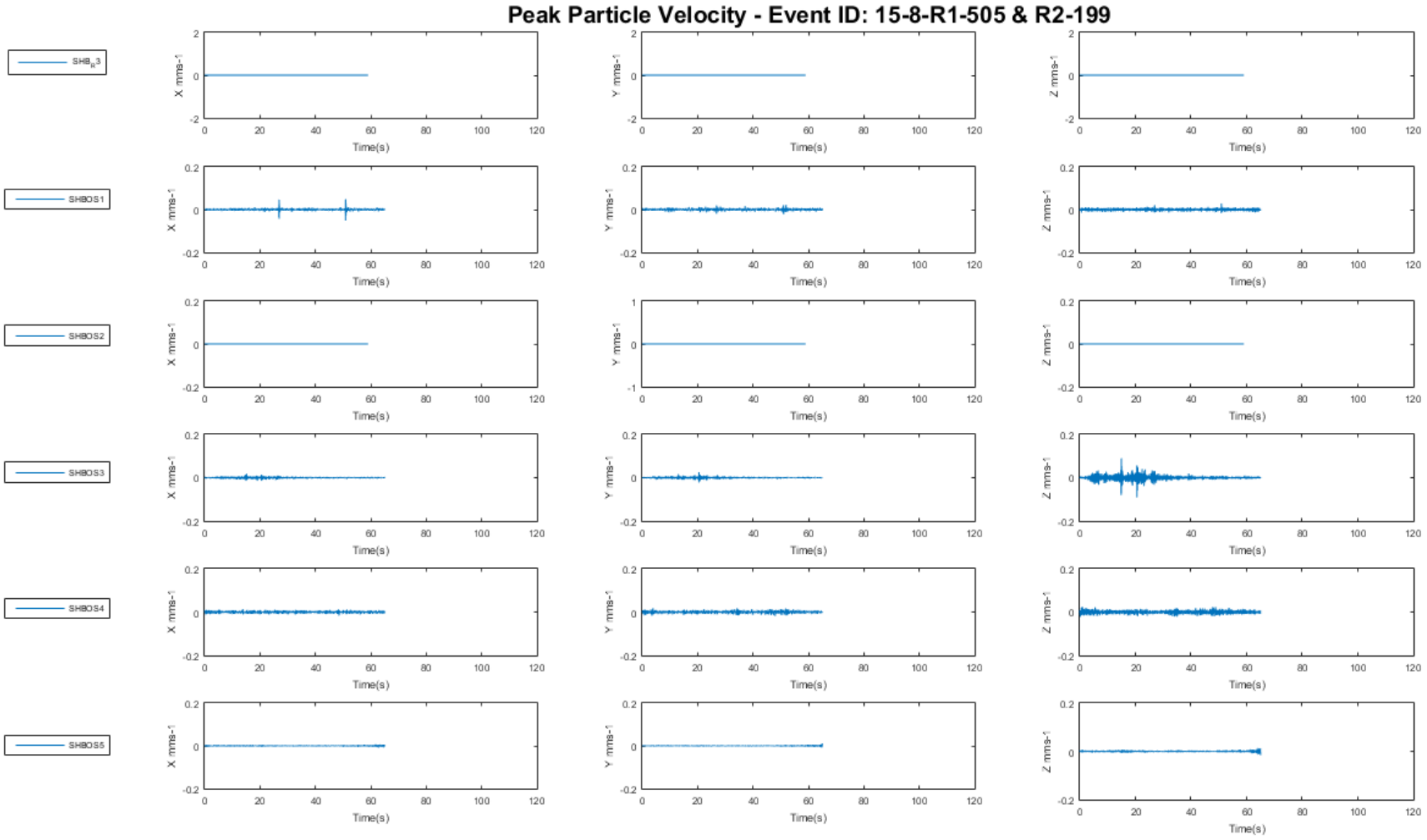


FIGURE 3.1162: SHB_OS 1 - 5 15-8-R1-505 & R2-199

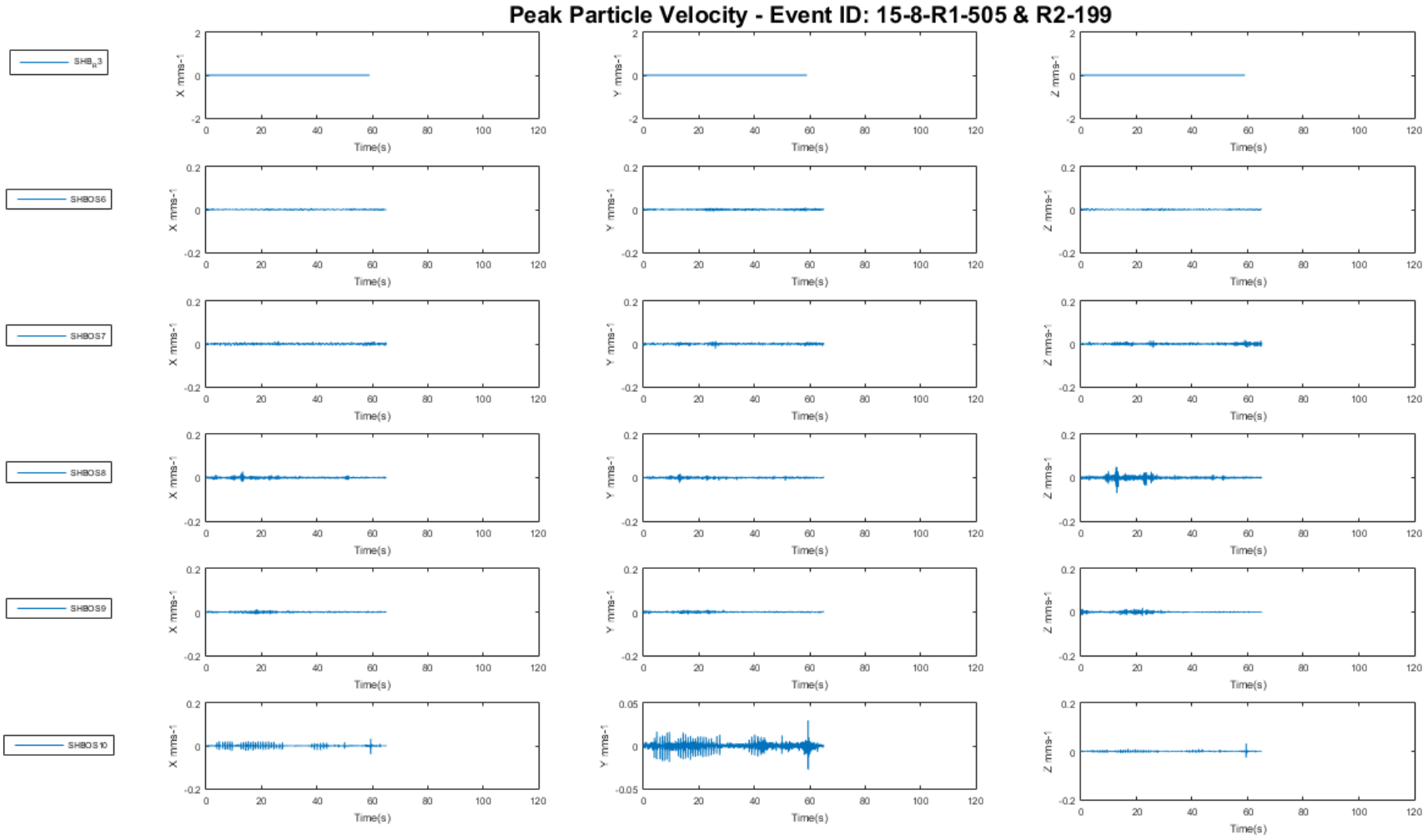


FIGURE 3.1163: SHB_OS 6 - 10 15-8-R1-505 & R2-199

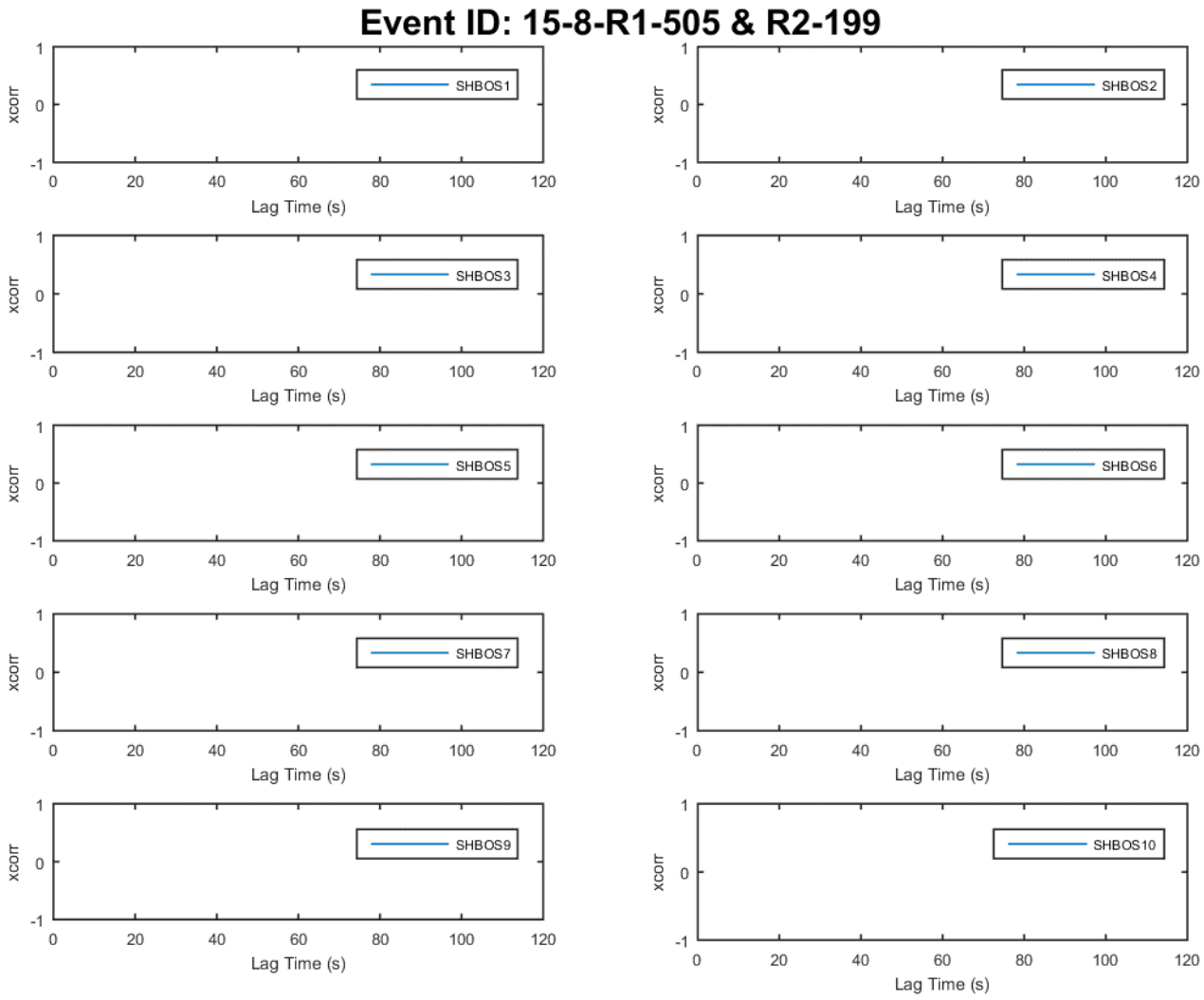


FIGURE 3.1164: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-505 & R2-199

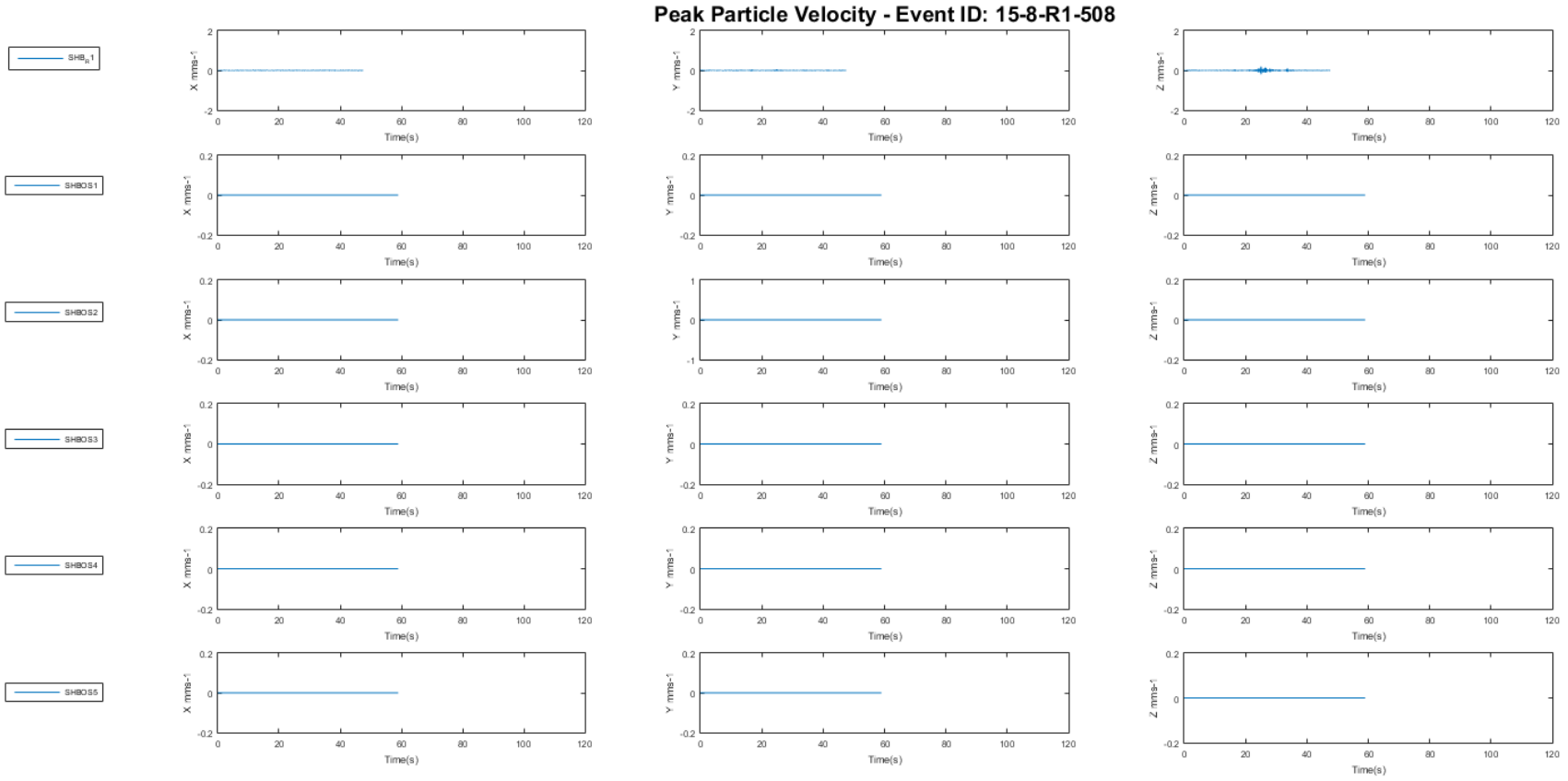
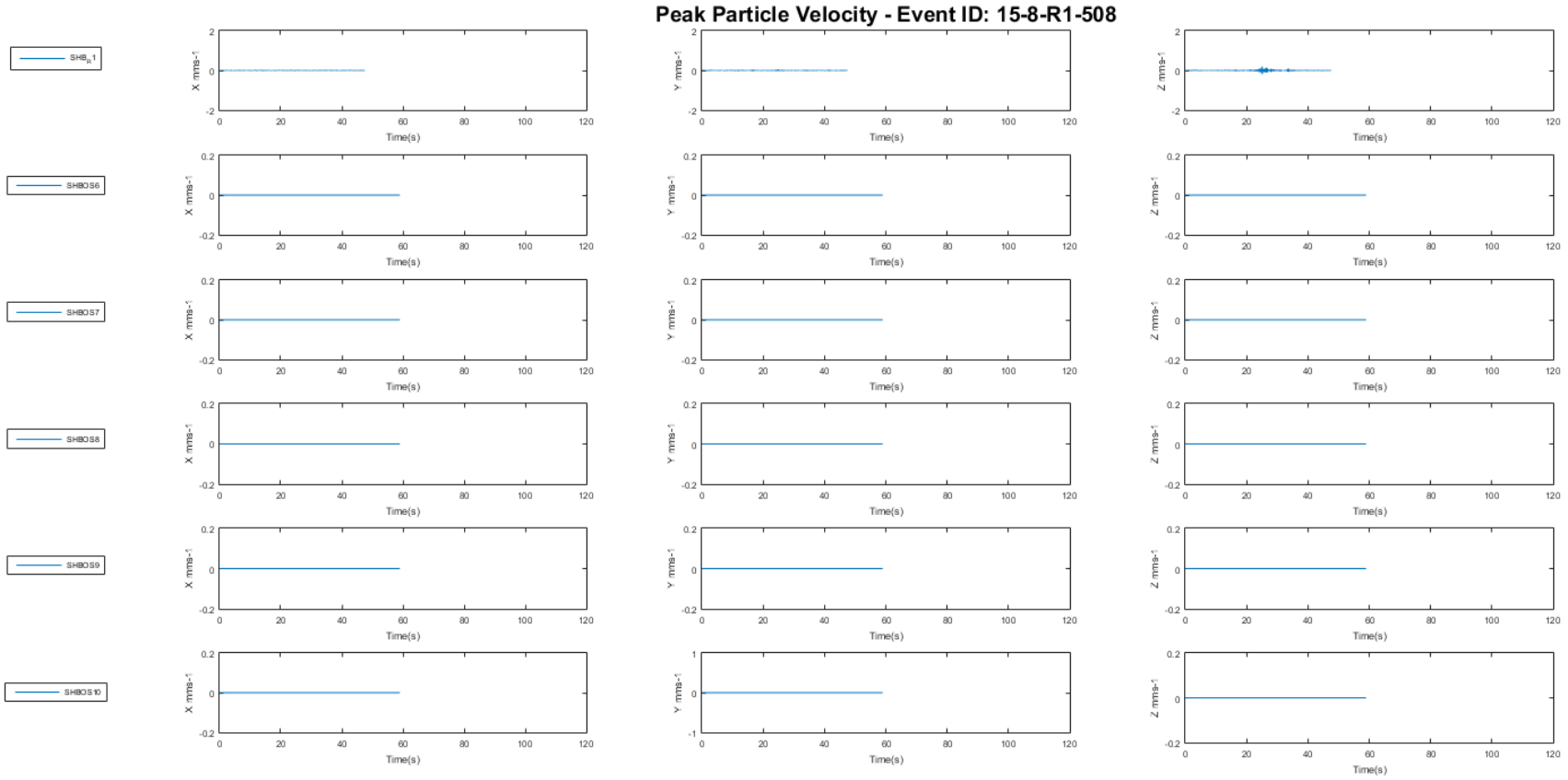


FIGURE 3.1165: SHB_OS 1 - 5 15-8-R1-508

FIGURE 3.1166: SHB_OS 6 - 10 15-8-R1-508



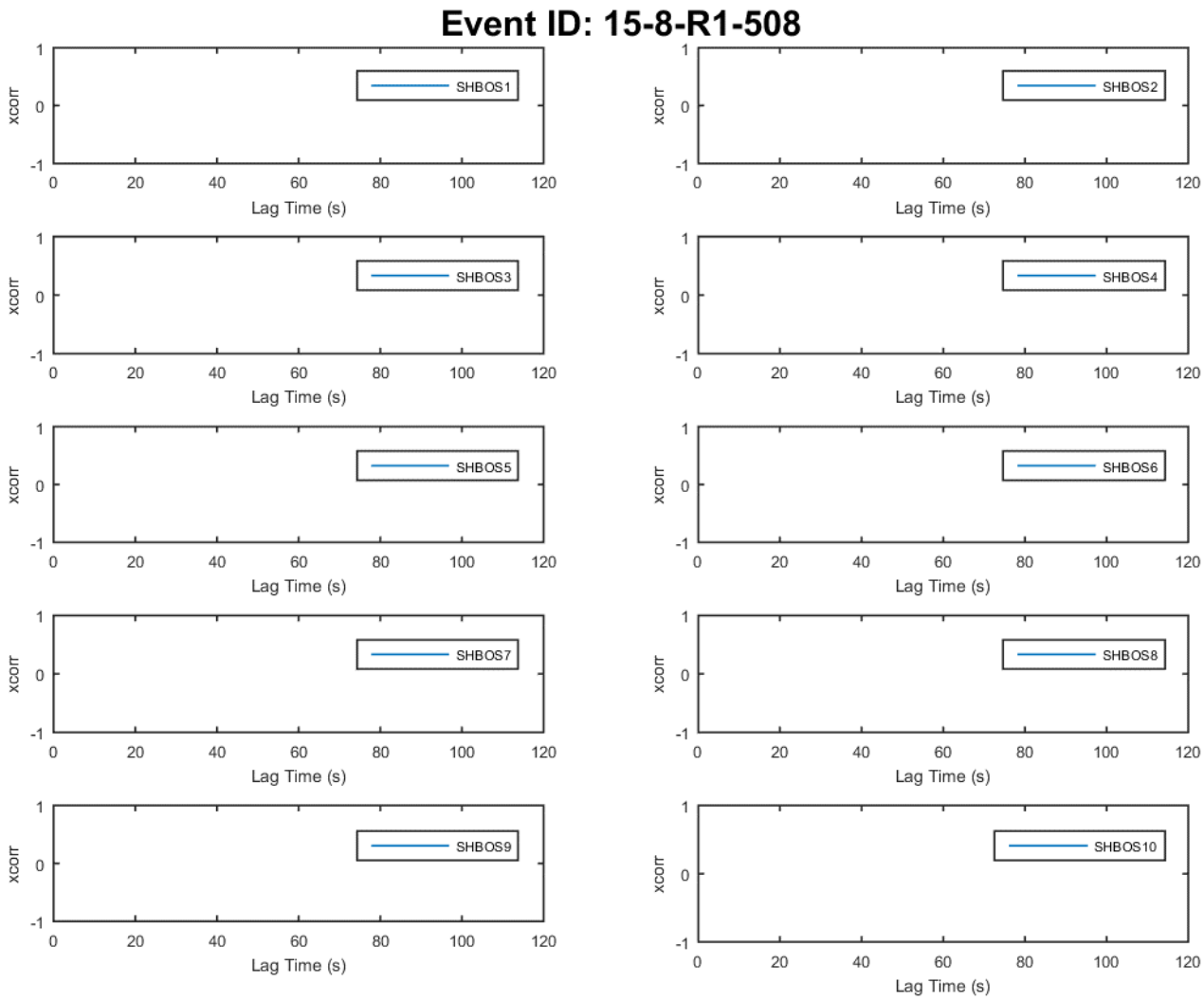


FIGURE 3.1167: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-508

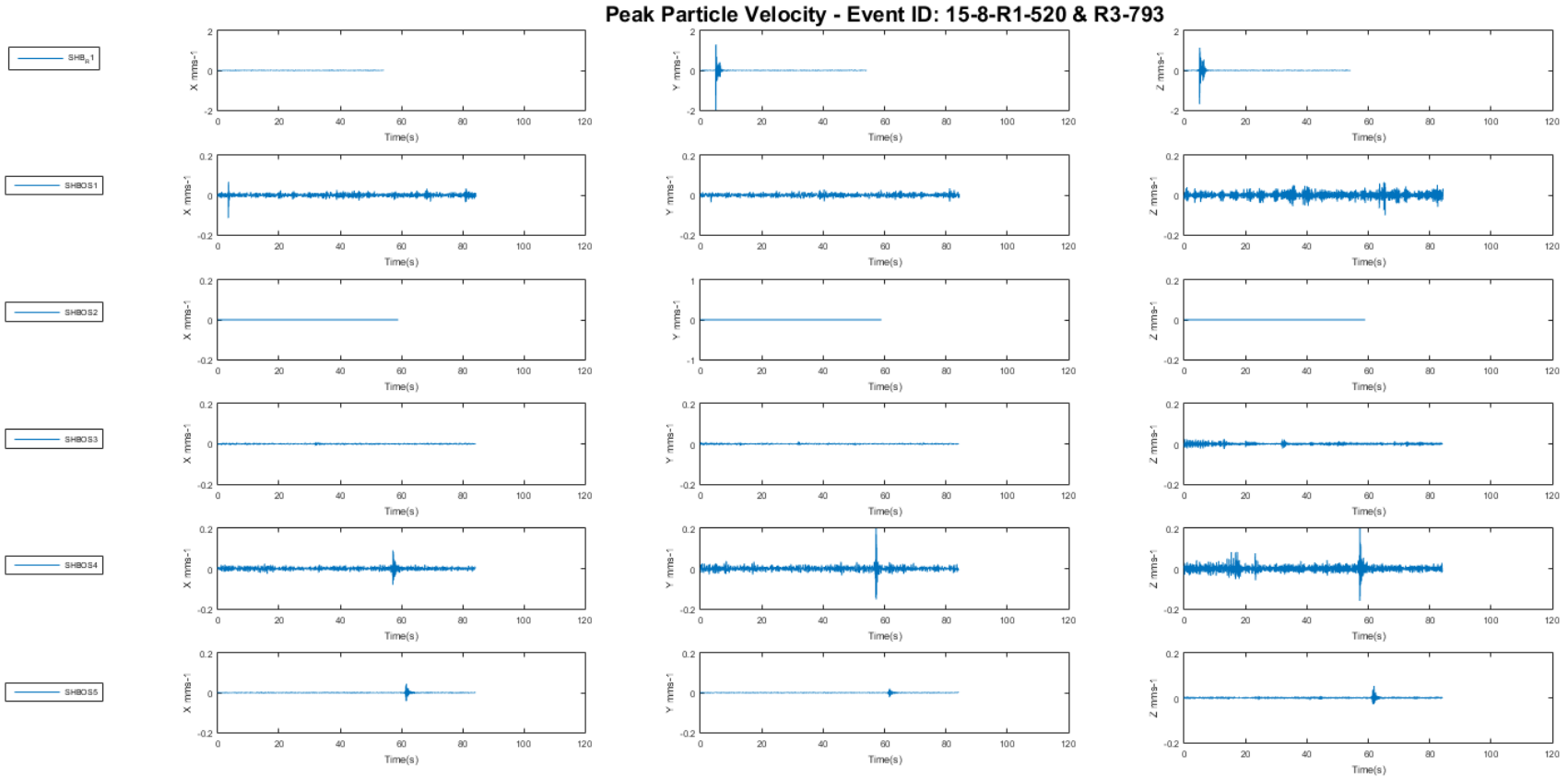
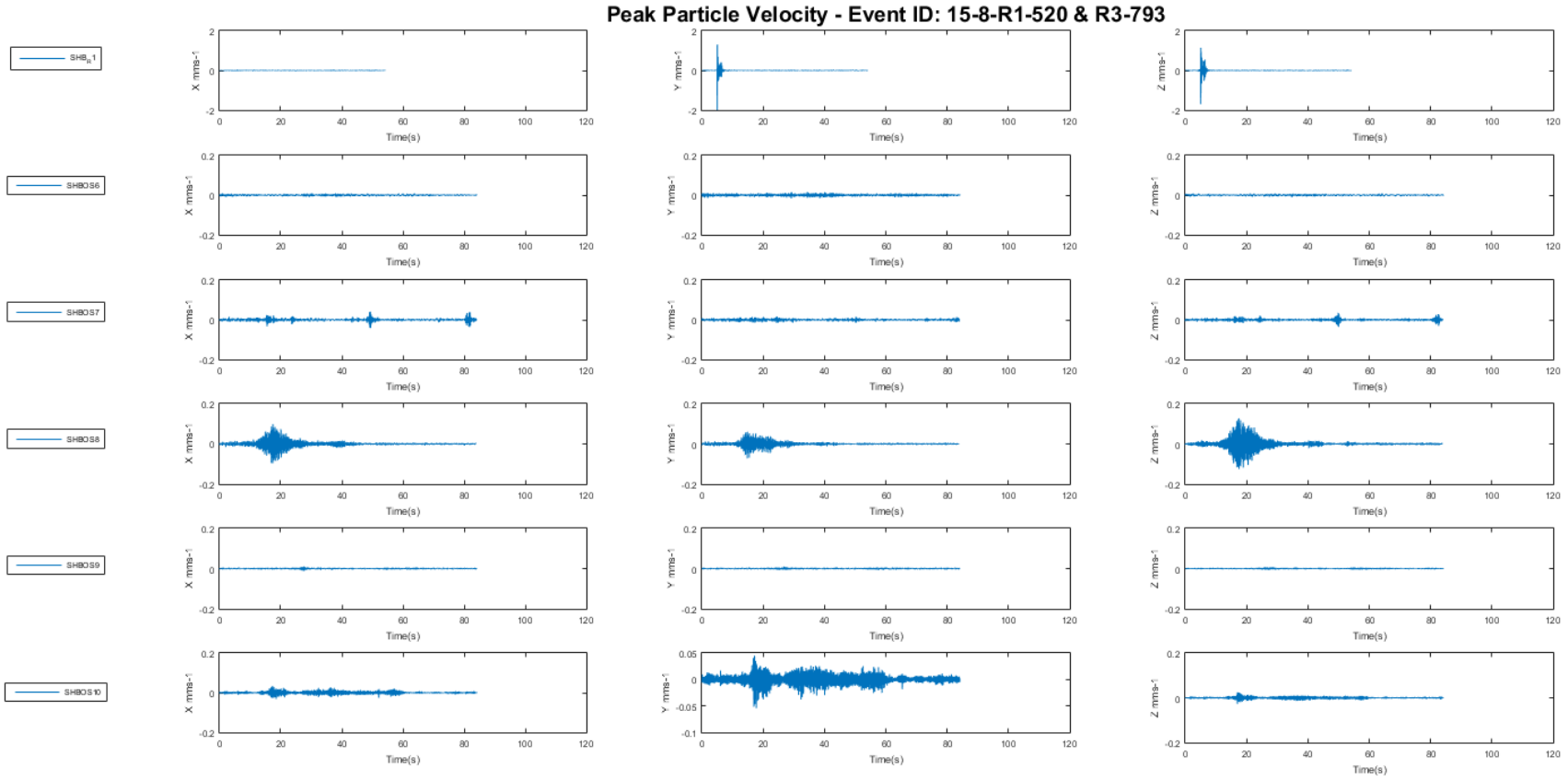


FIGURE 3.1168: SHB_OS 1 - 5 15-8-R1-520 & R3-793

FIGURE 3.1169: SHB_OS 6 - 10 15-8-R1-520 & R3-793



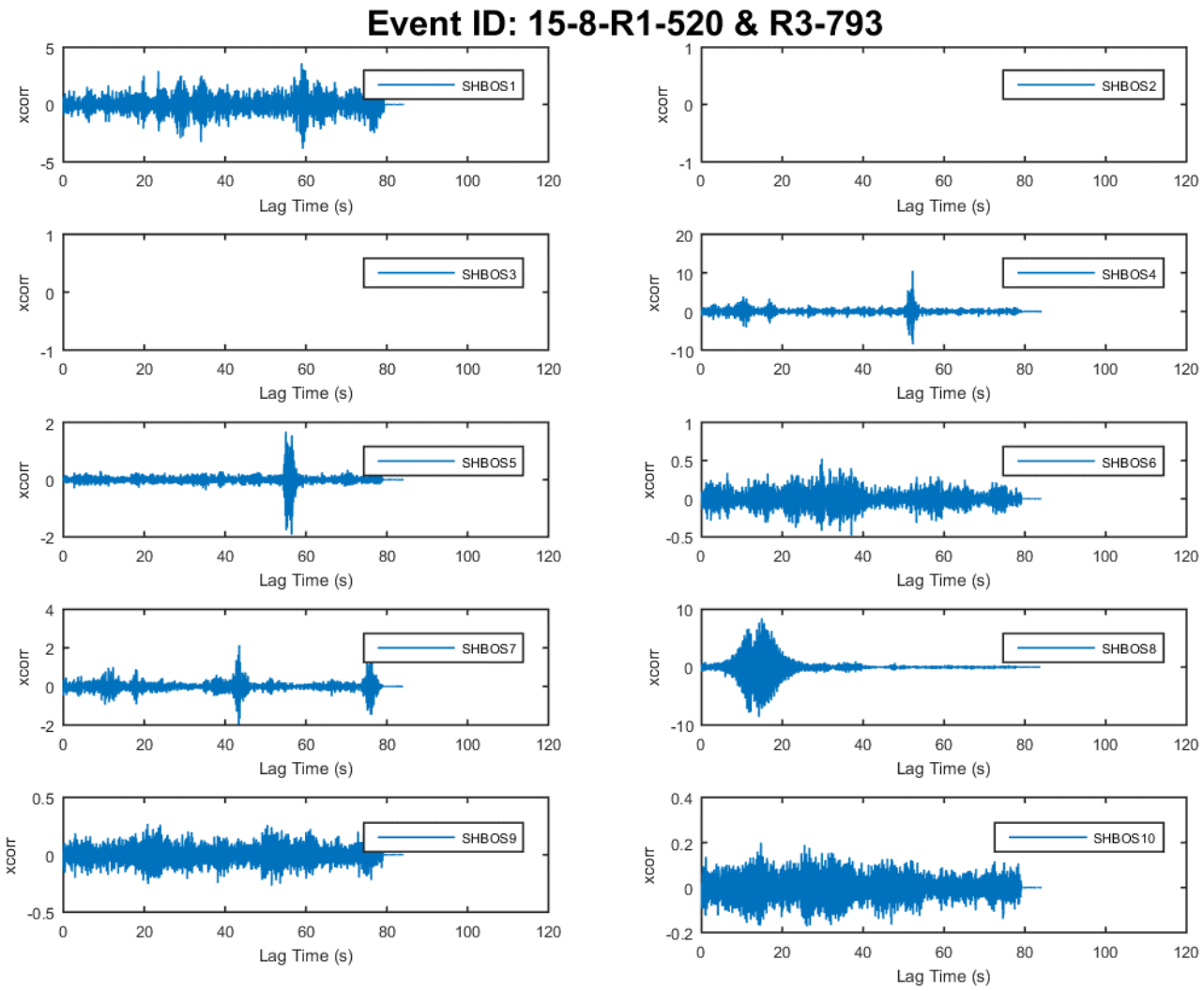


FIGURE 3.1170: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-520 & R3-793

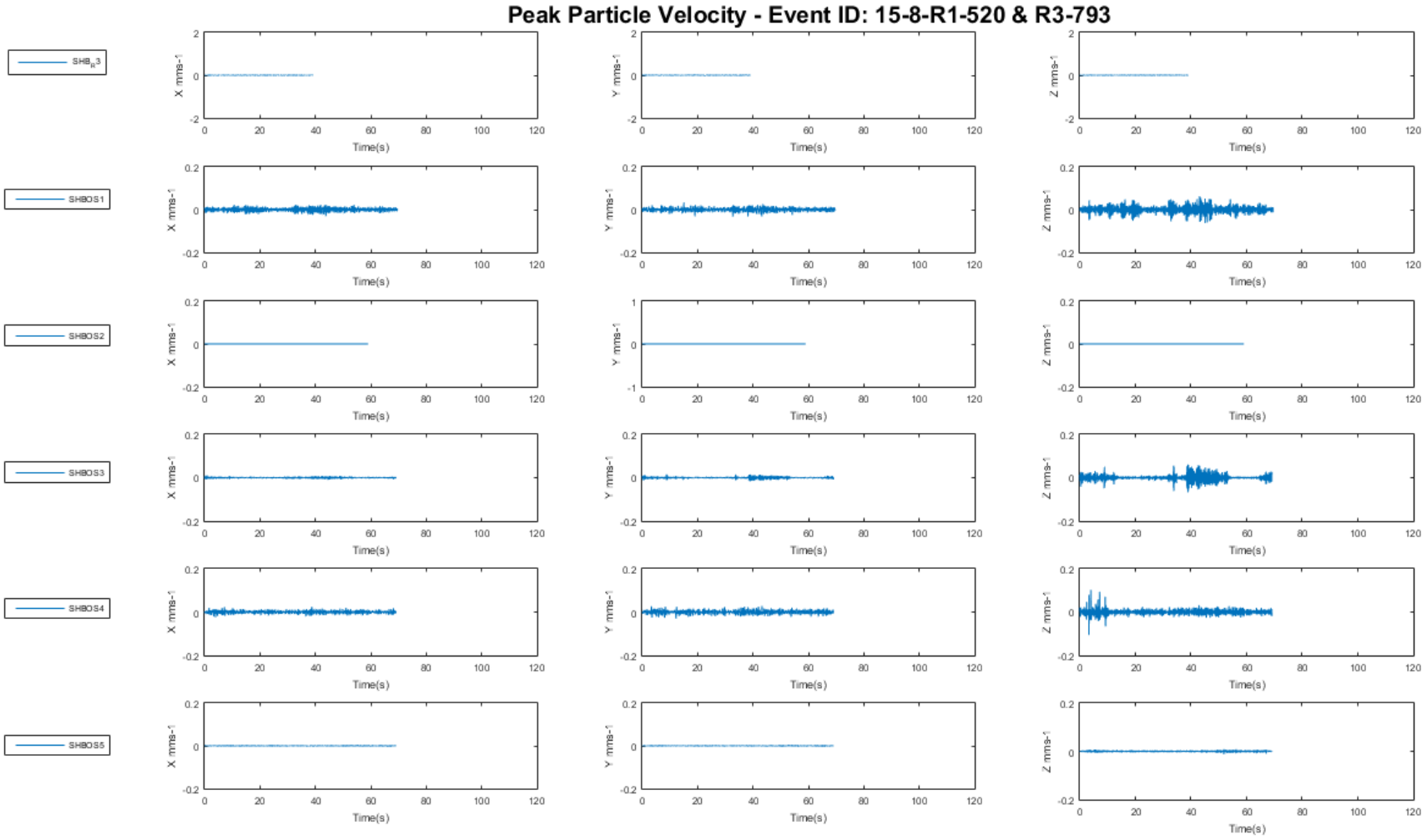


FIGURE 3.1171: SHB_OS 1 - 5 15-8-R1-520 & R3-793

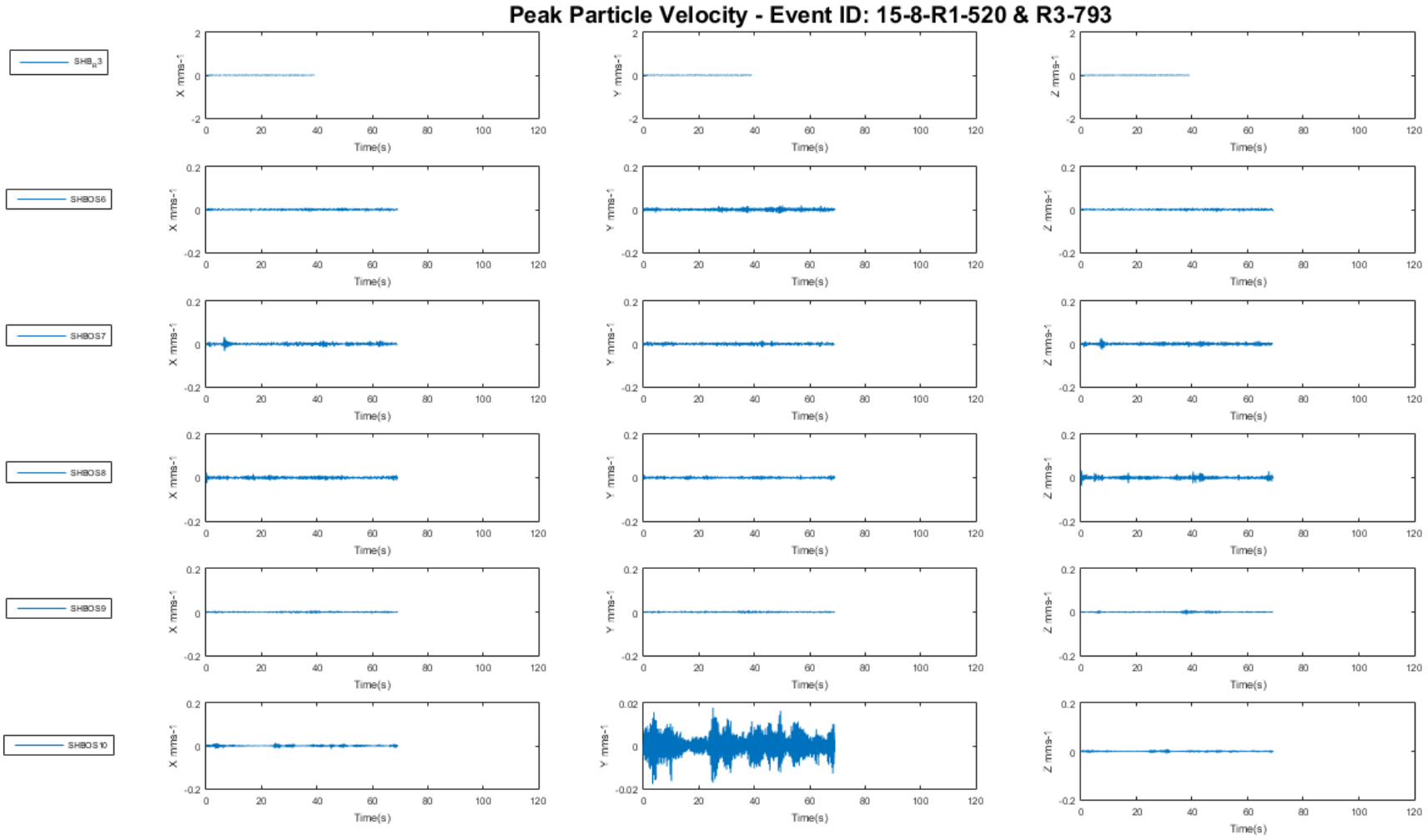


FIGURE 3.1172: SHB_OS 6 - 10 15-8-R1-520 & R3-793

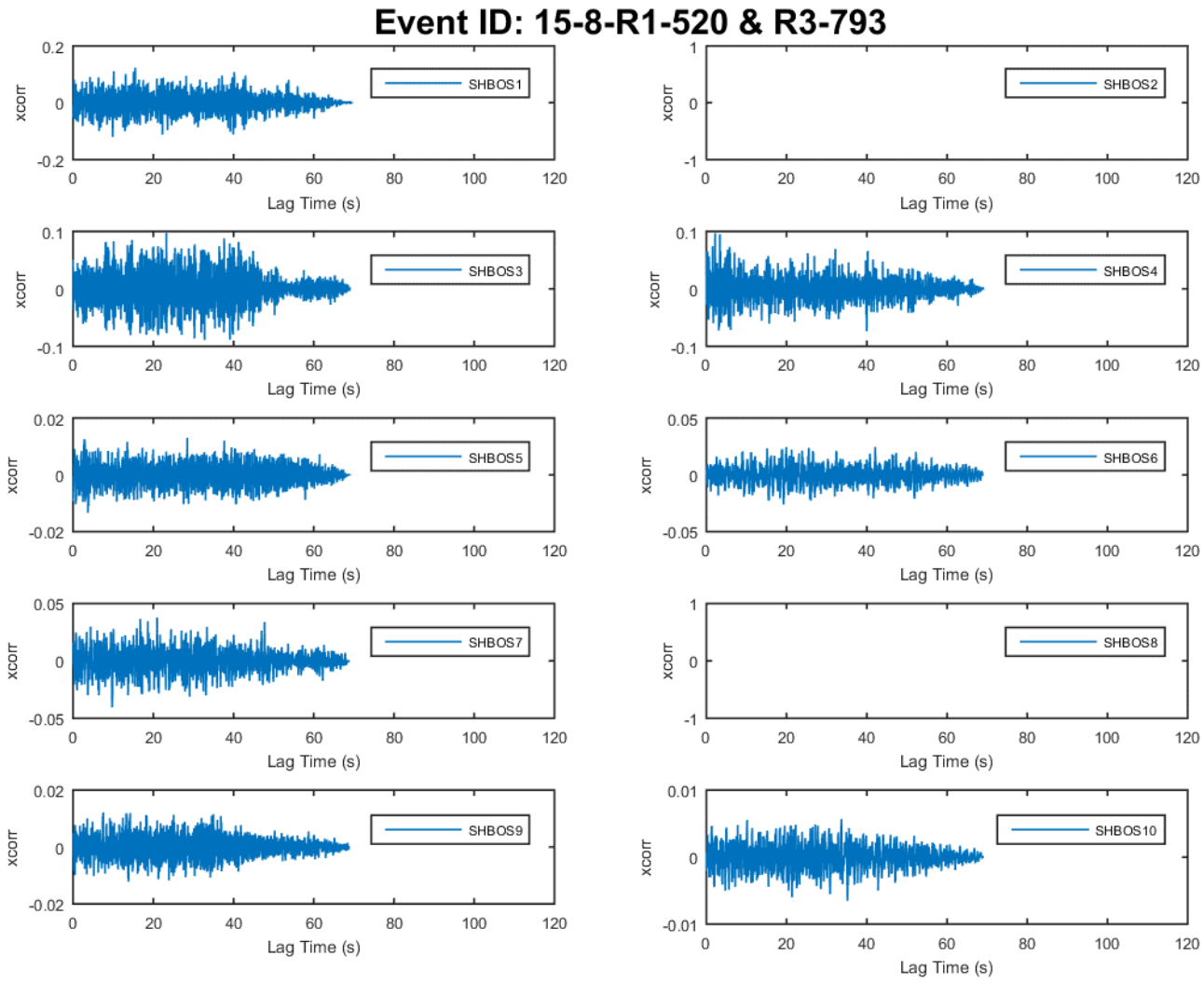


FIGURE 3.1173: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-520 & R3-793

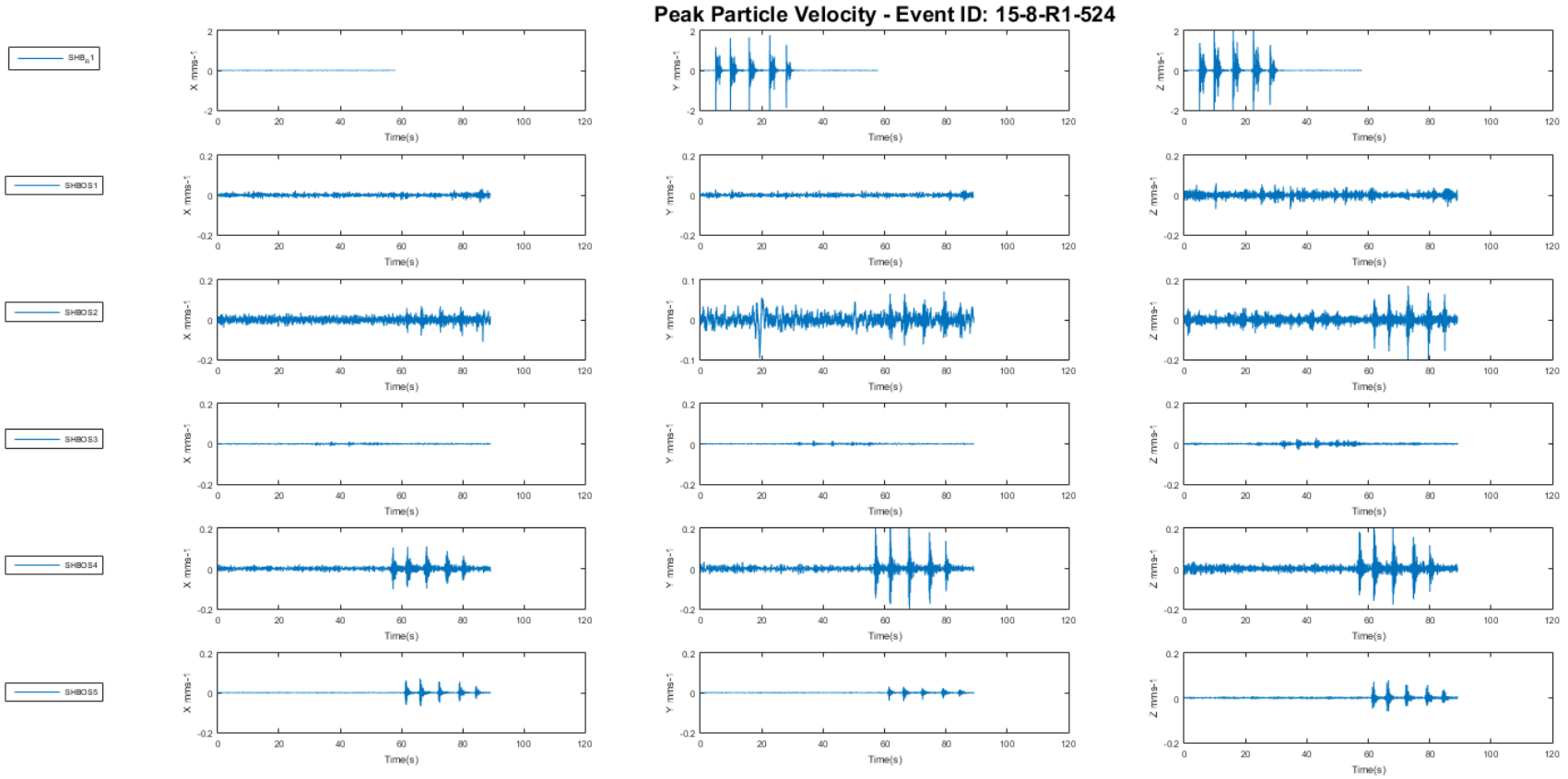
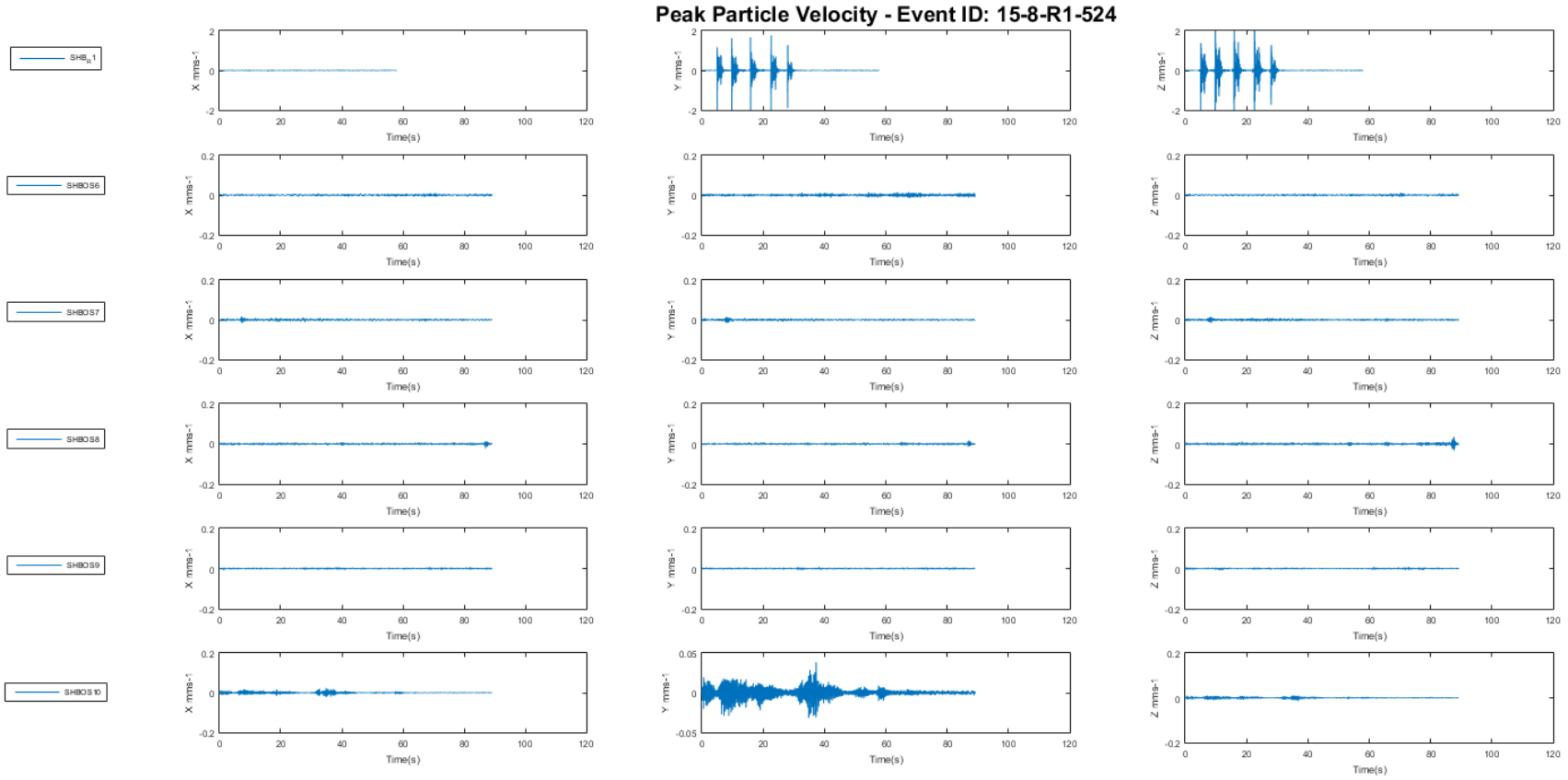


FIGURE 3.1174: SHB_OS 1 - 5 15-8-R1-524

FIGURE 3.1175: SHB_OS 6 - 10 15-8-R1-524



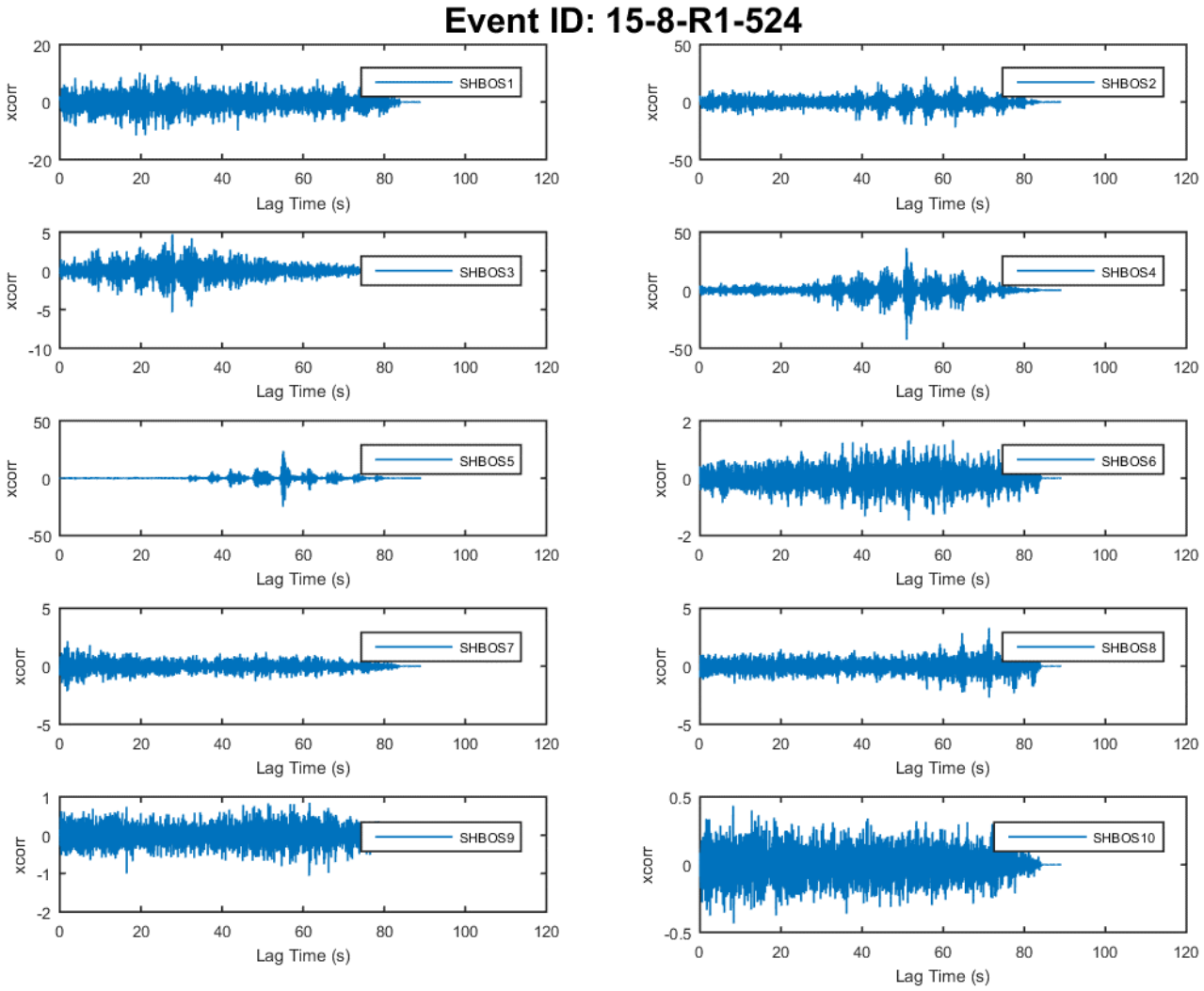


FIGURE 3.1176: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-524

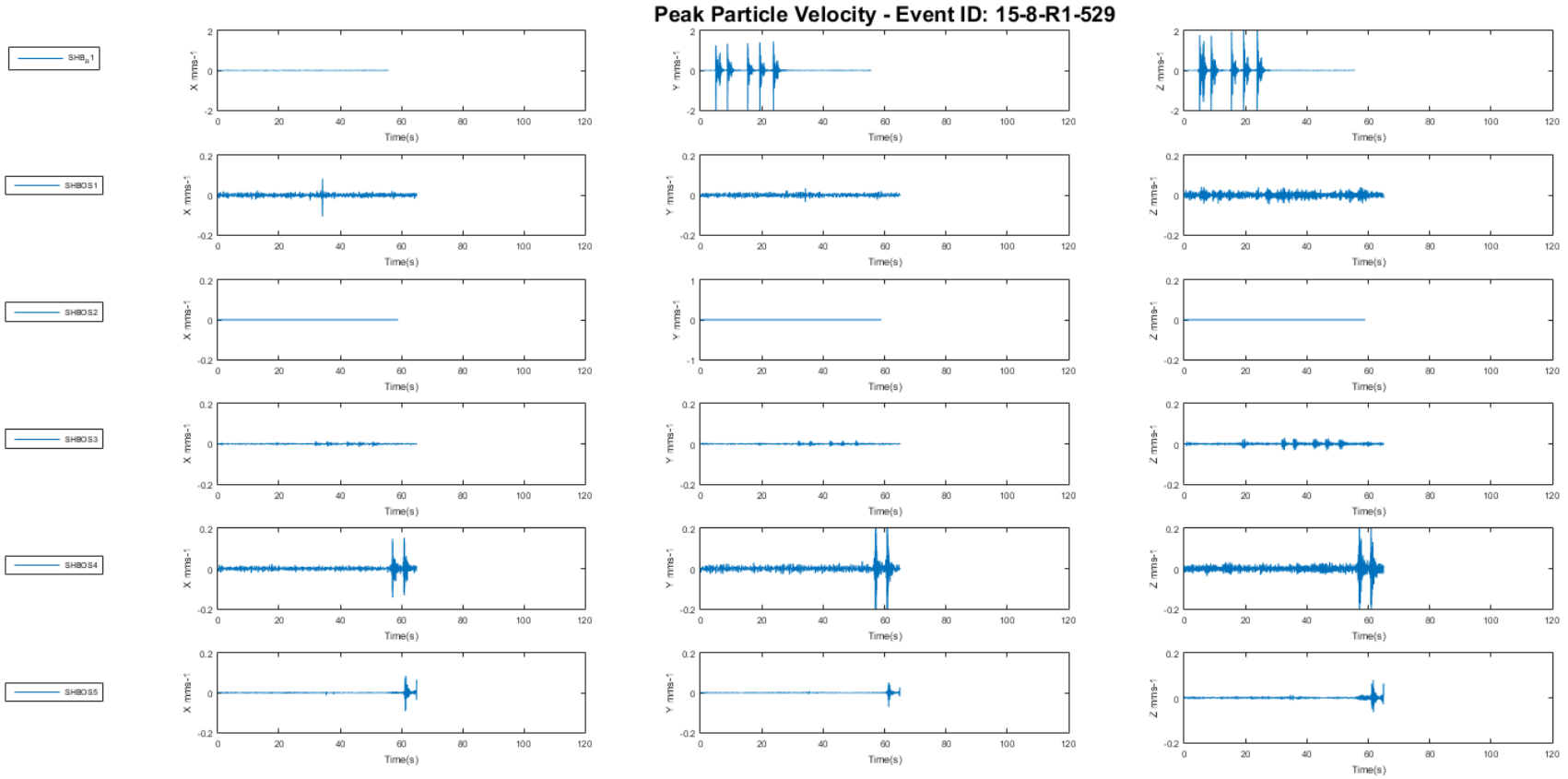
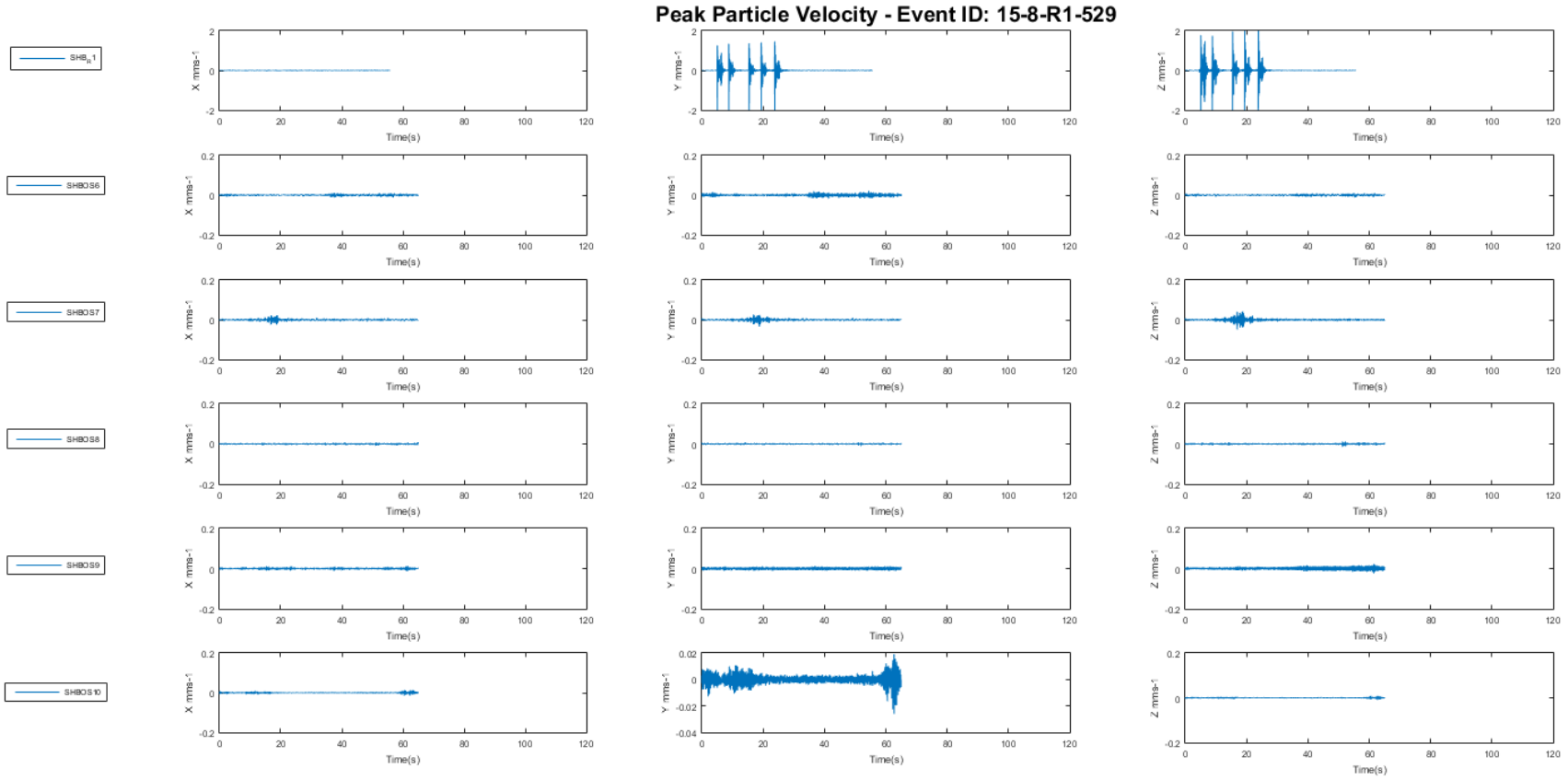


FIGURE 3.1177: SHB_OS 1 - 5 15-8-R1-529

FIGURE 3.1178: SHB_OS 6 - 10 15-8-R1-529



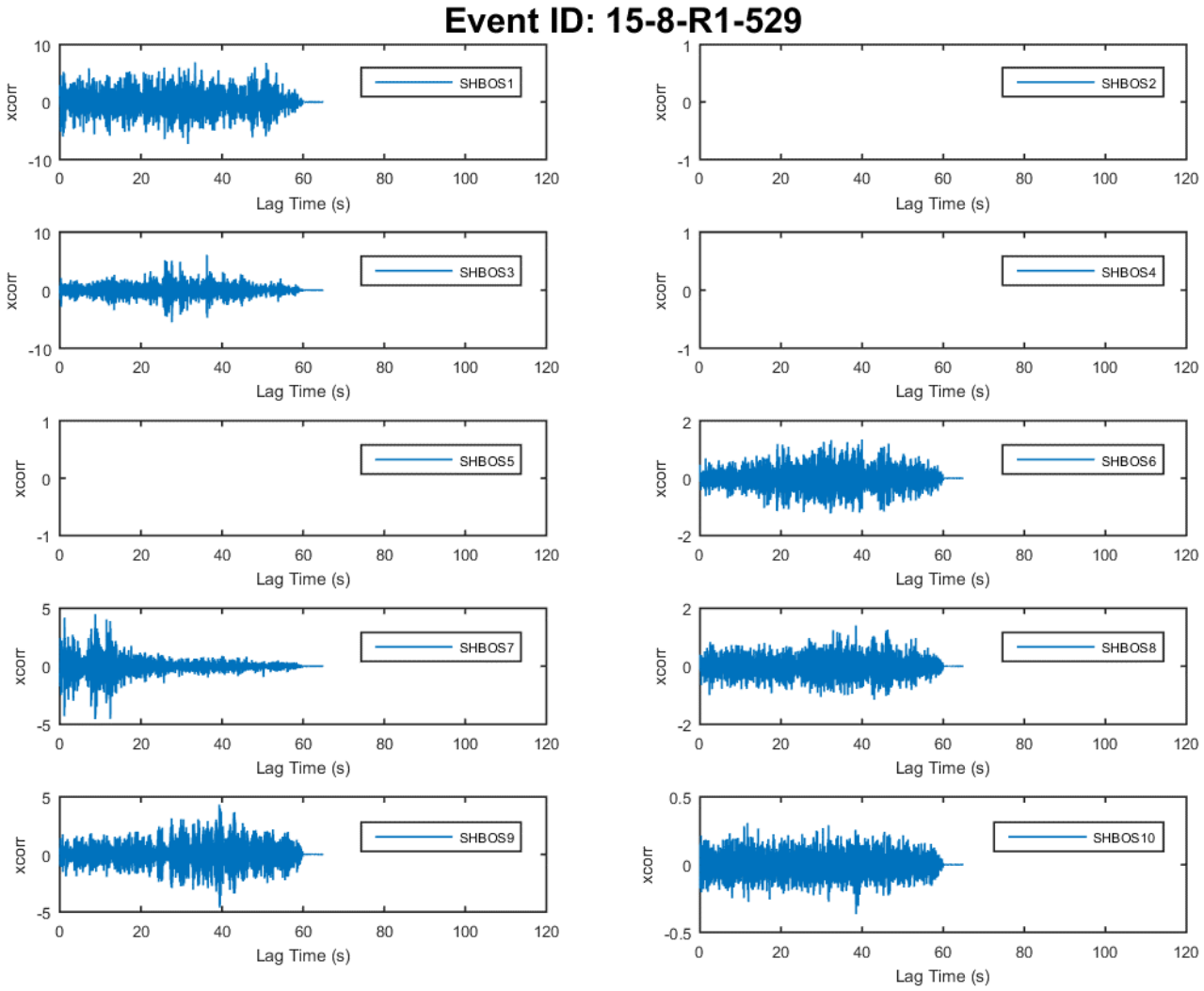


FIGURE 3.1179: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-529

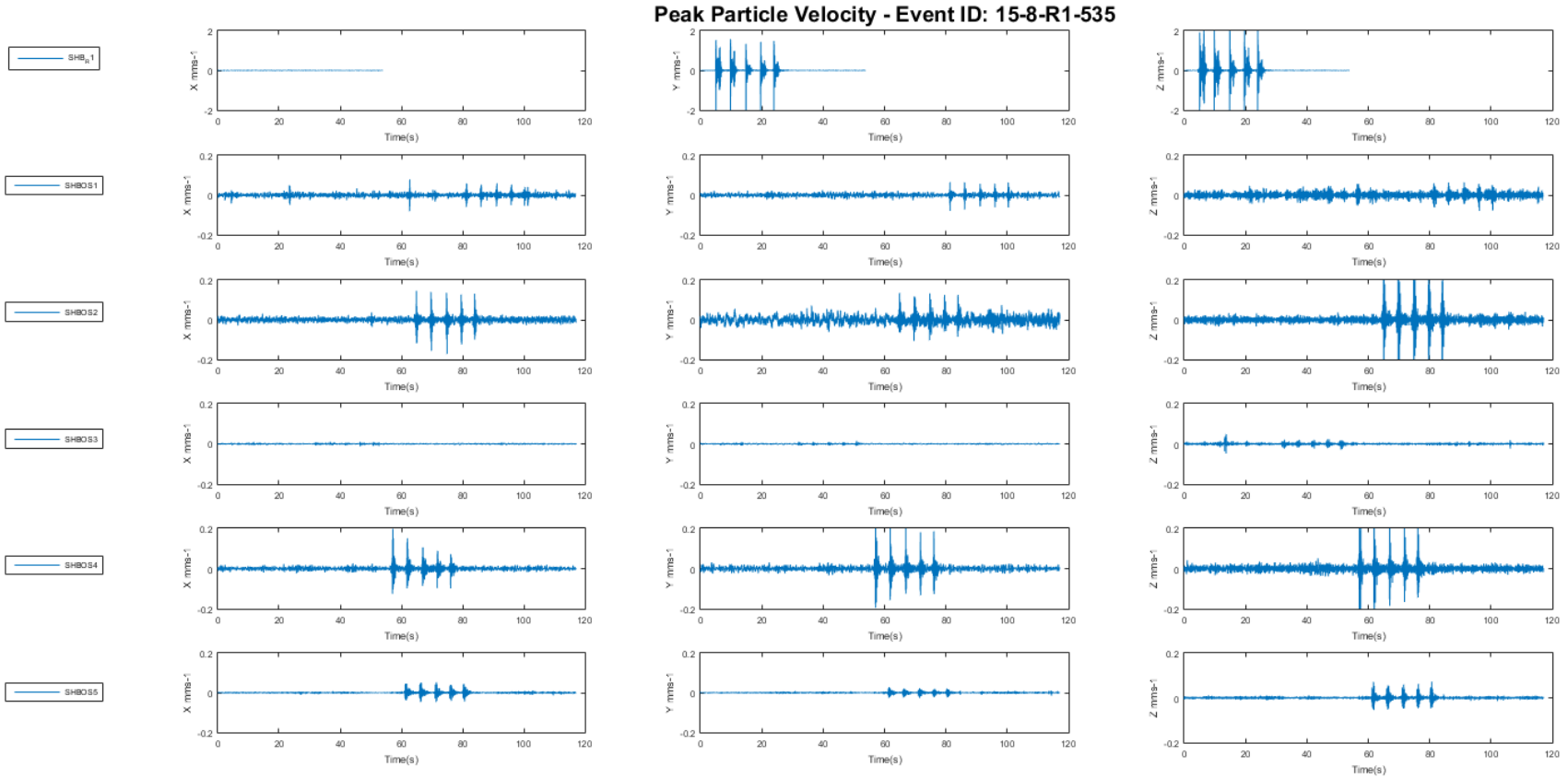
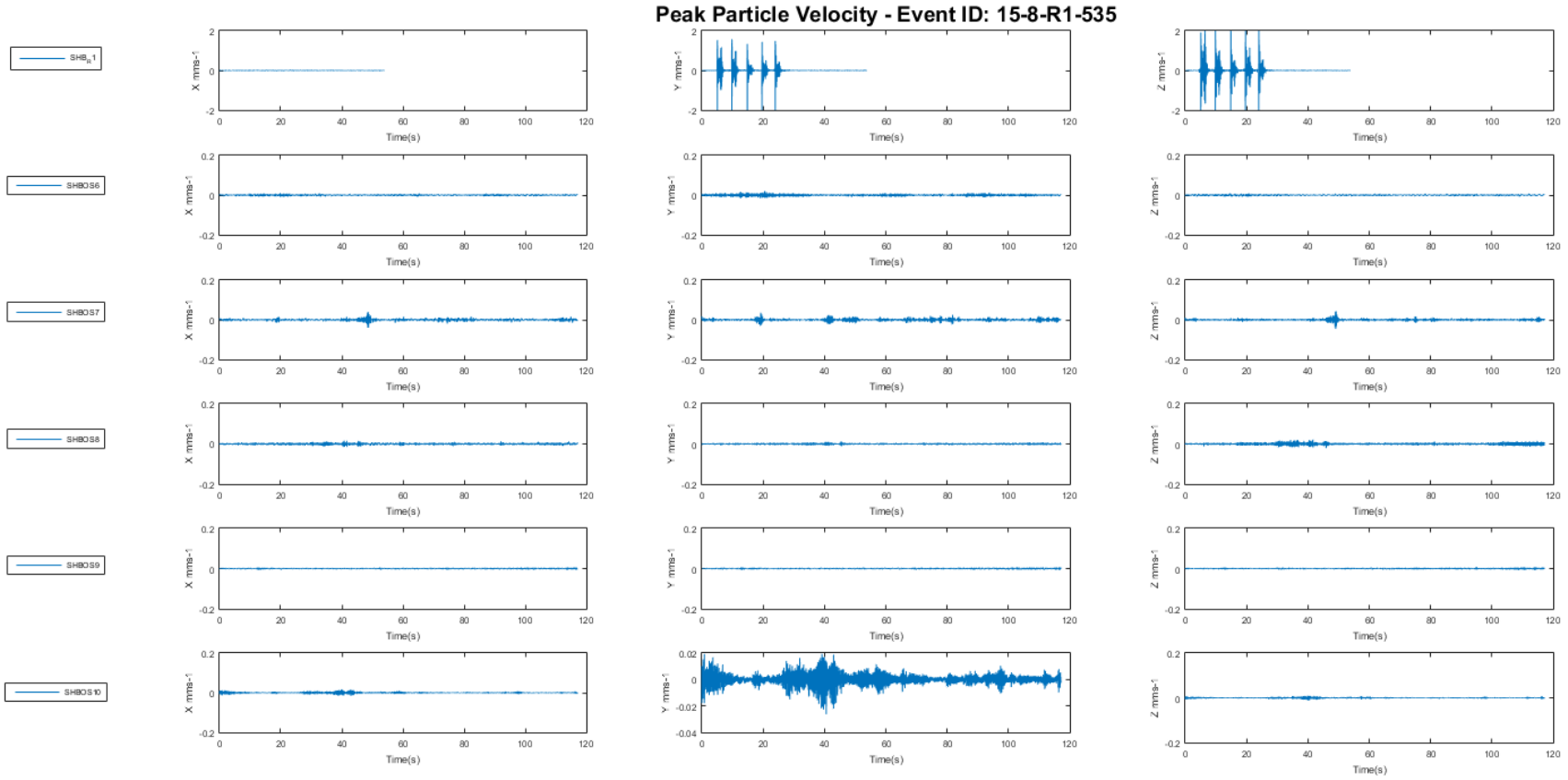


FIGURE 3.1180: SHB_OS 1 - 5 15-8-R1-535

FIGURE 3.1181: SHB_OS 6 - 10 15-8-R1-535



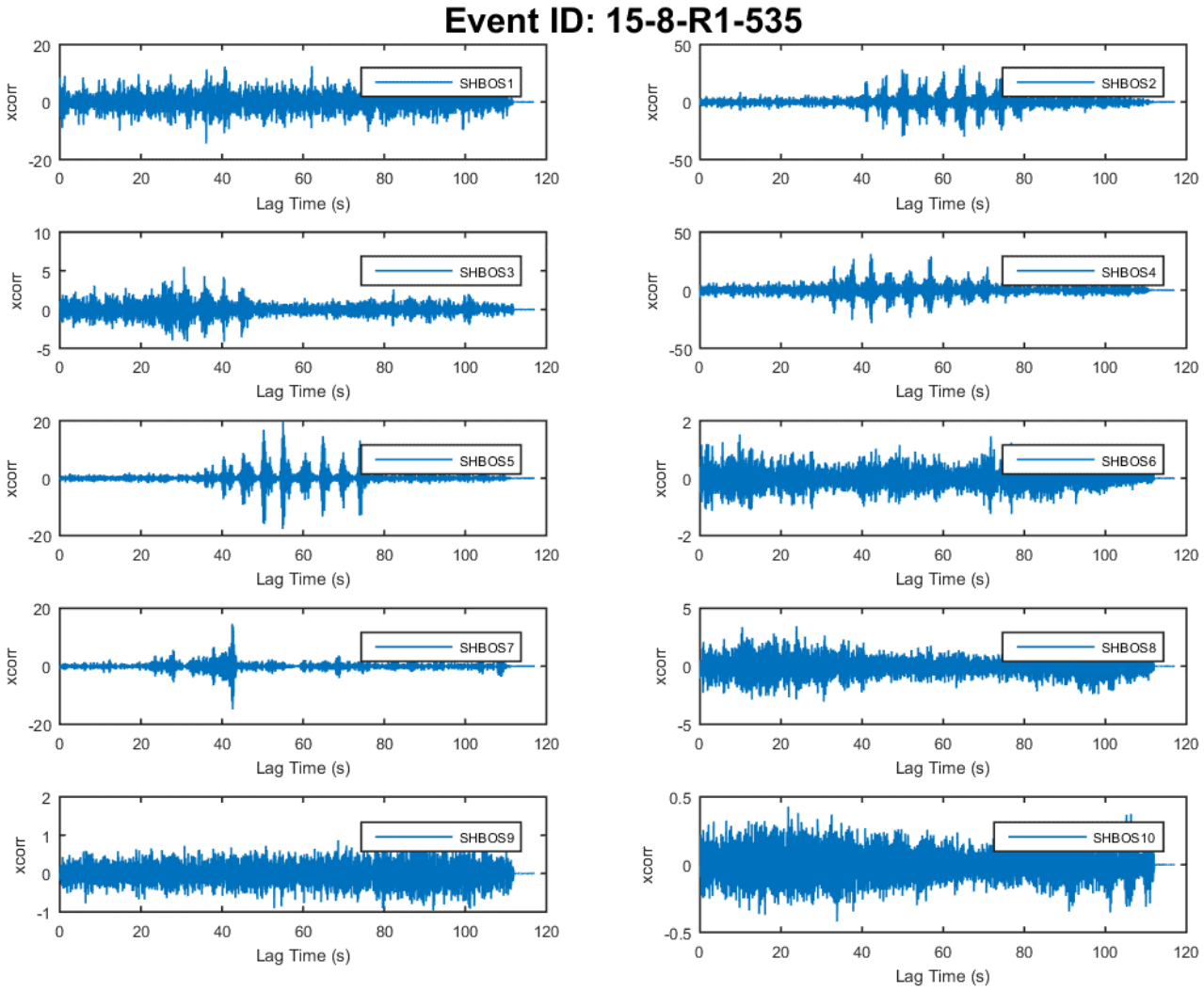


FIGURE 3.1182: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-535

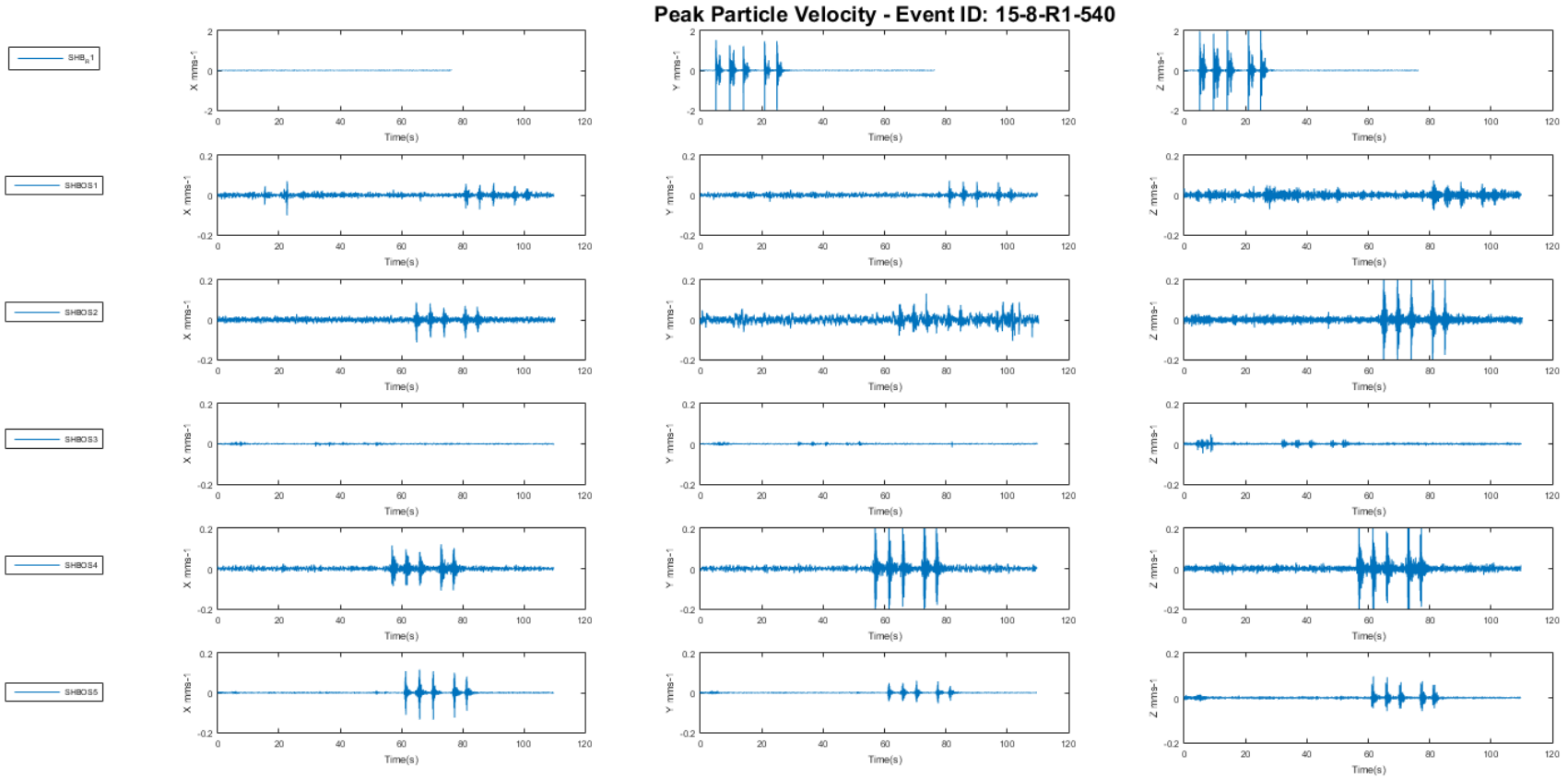
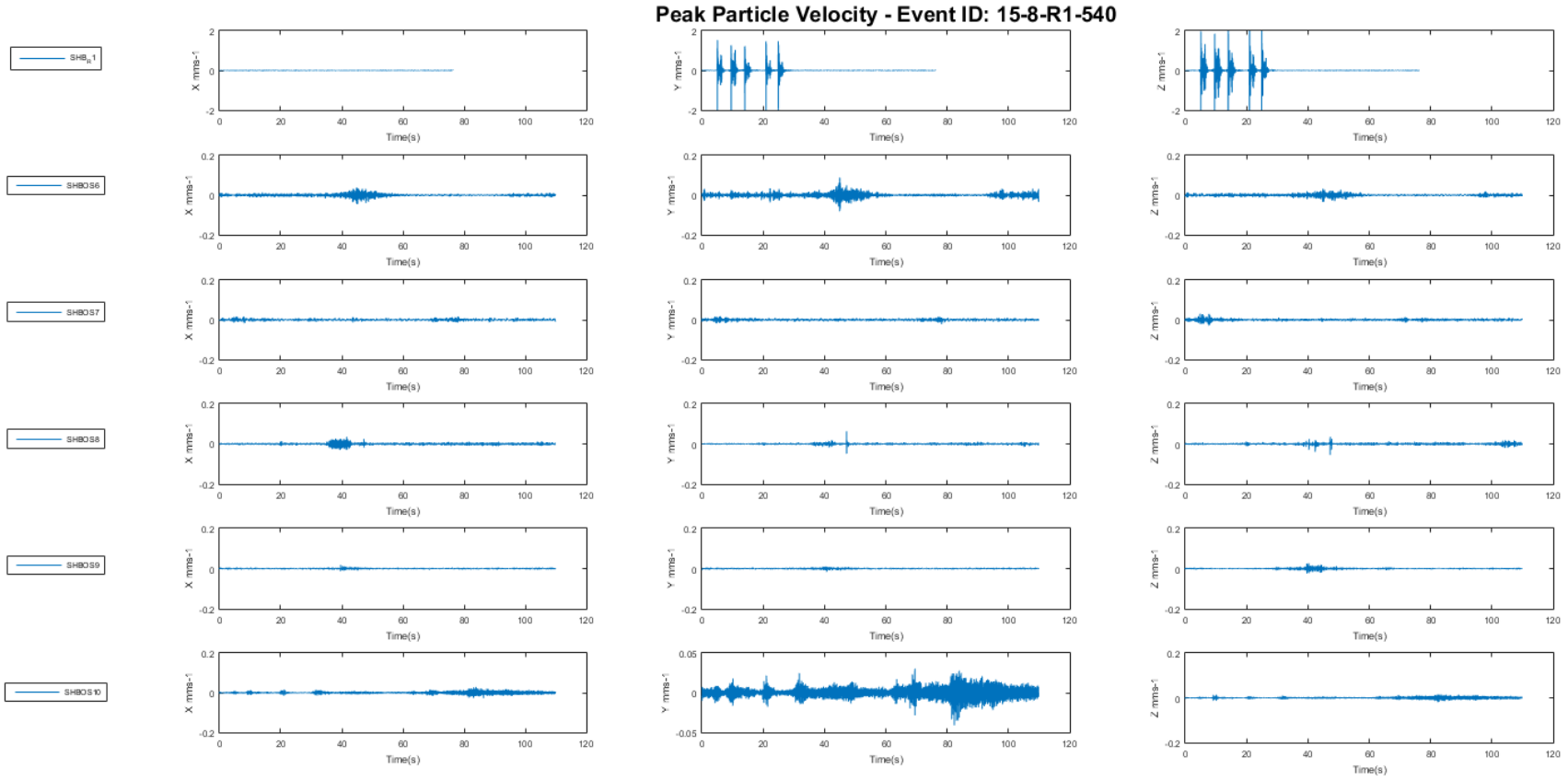


FIGURE 3.1183: SHB_OS 1 - 5 15-8-R1-540

FIGURE 3.1184: SHB_OS 6 - 10 15-8-R1-540



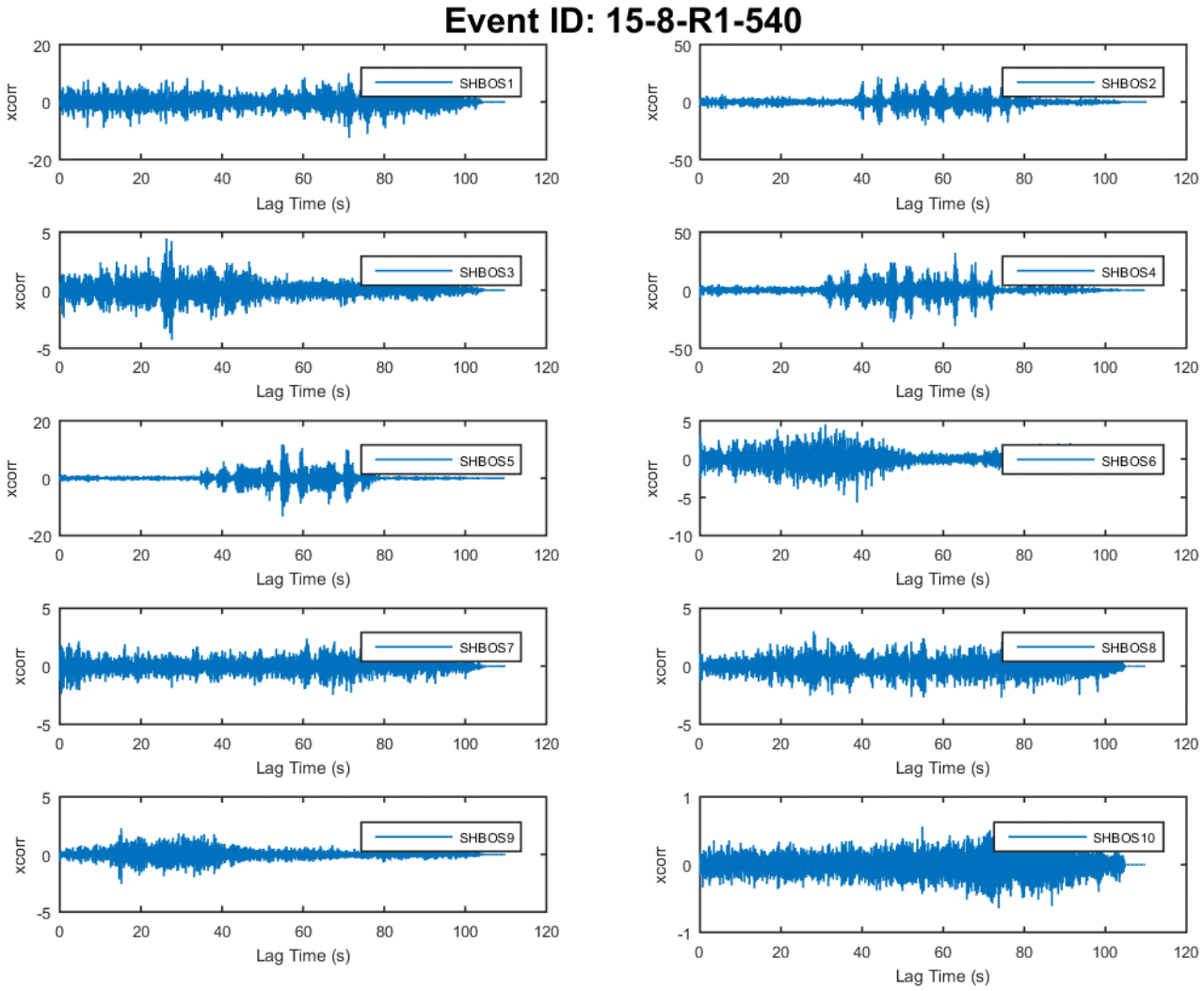


FIGURE 3.1185: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-540

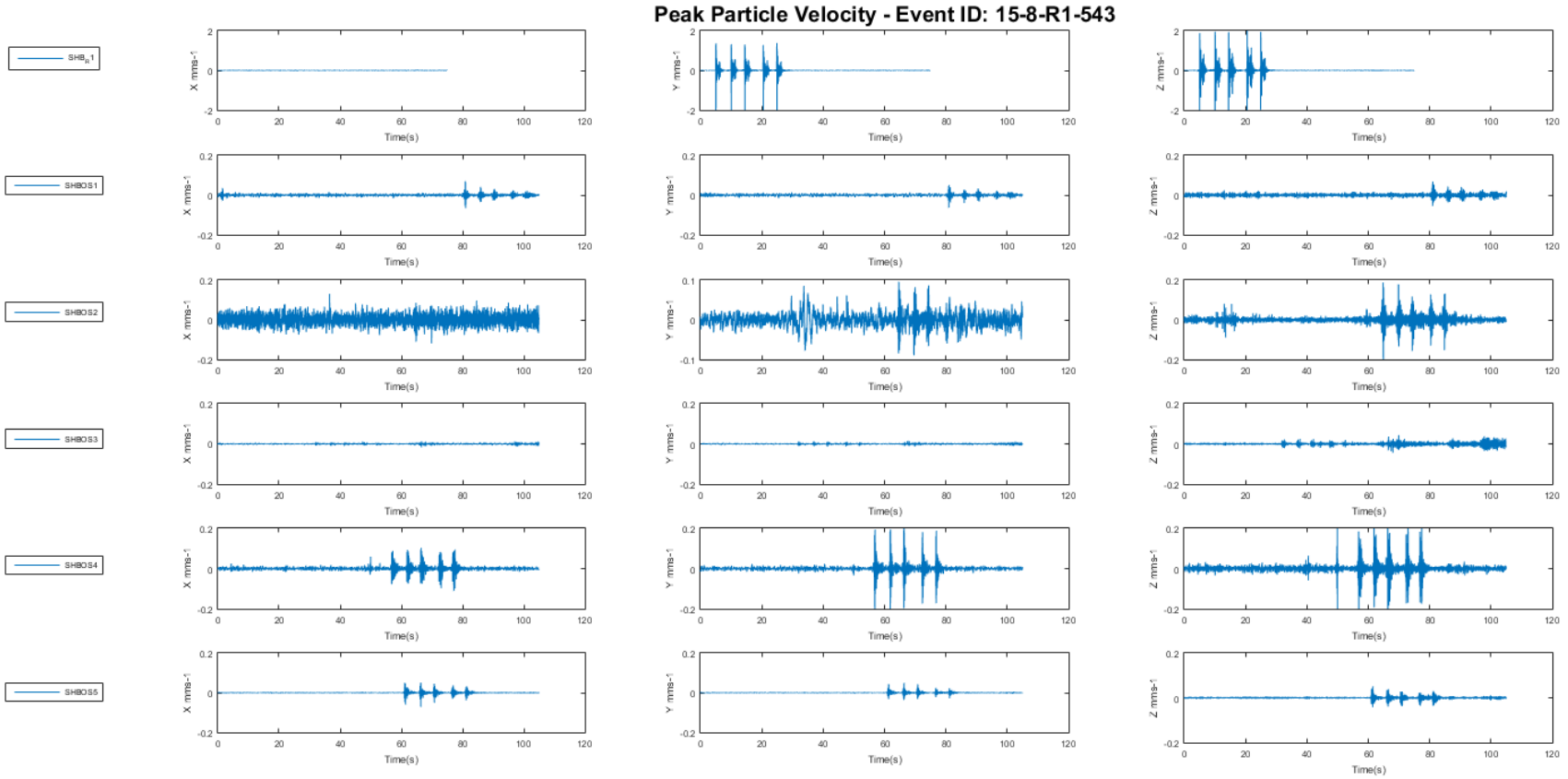
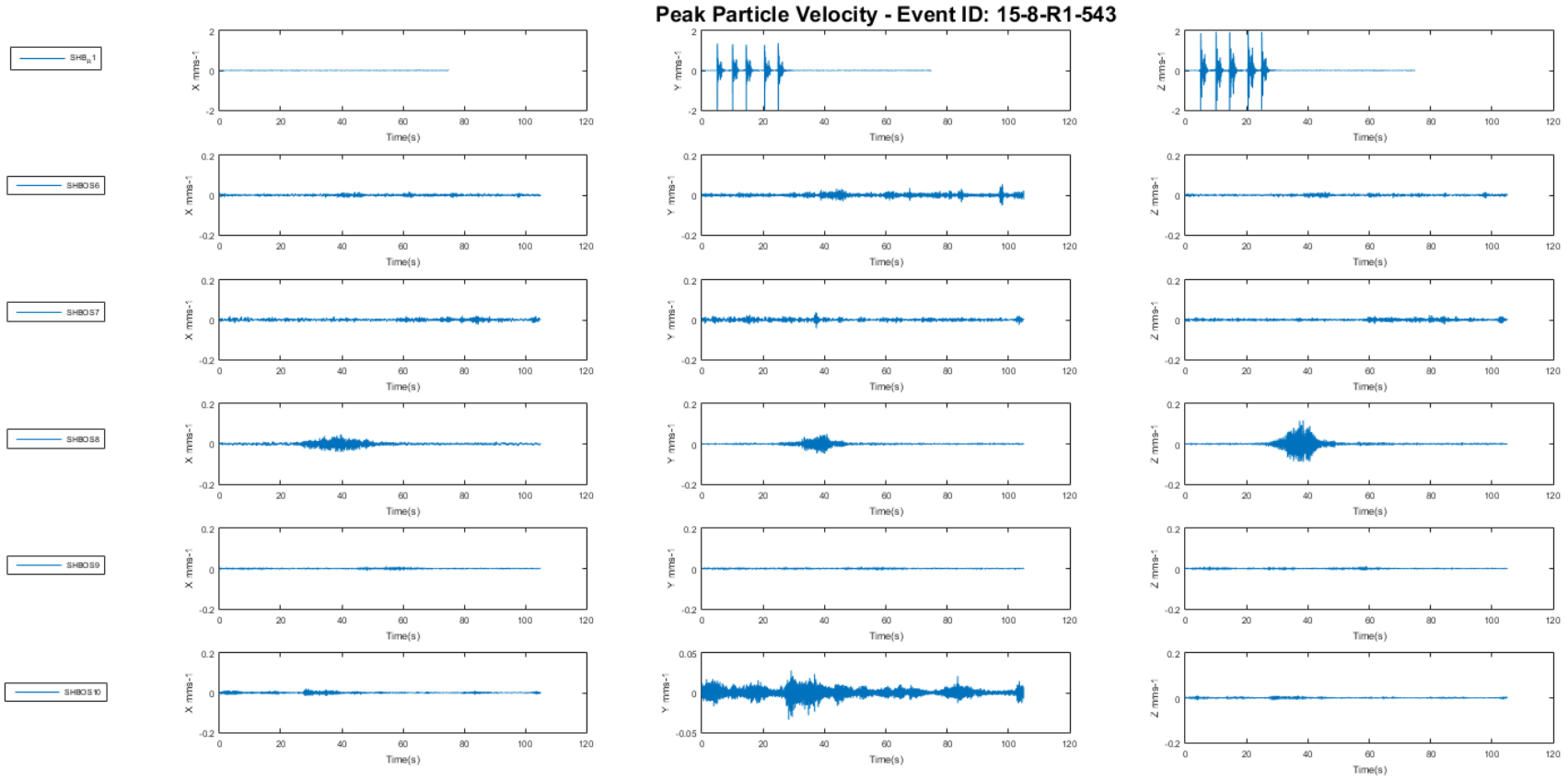


FIGURE 3.1186: SHB_OS 1 - 5 15-8-R1-543

FIGURE 3.1187: SHB_OS 6 - 10 15-8-R1-543



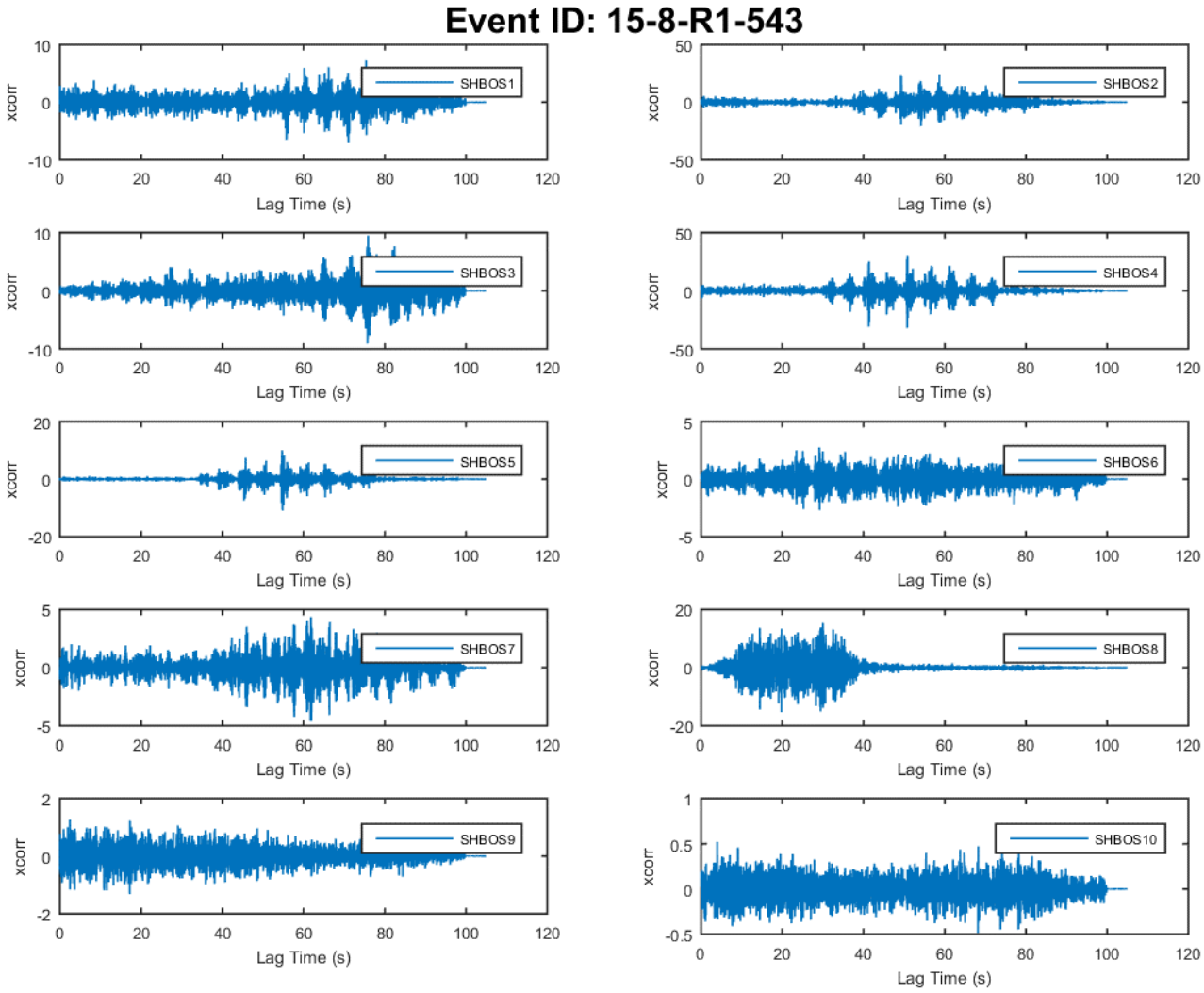


FIGURE 3.1188: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-543

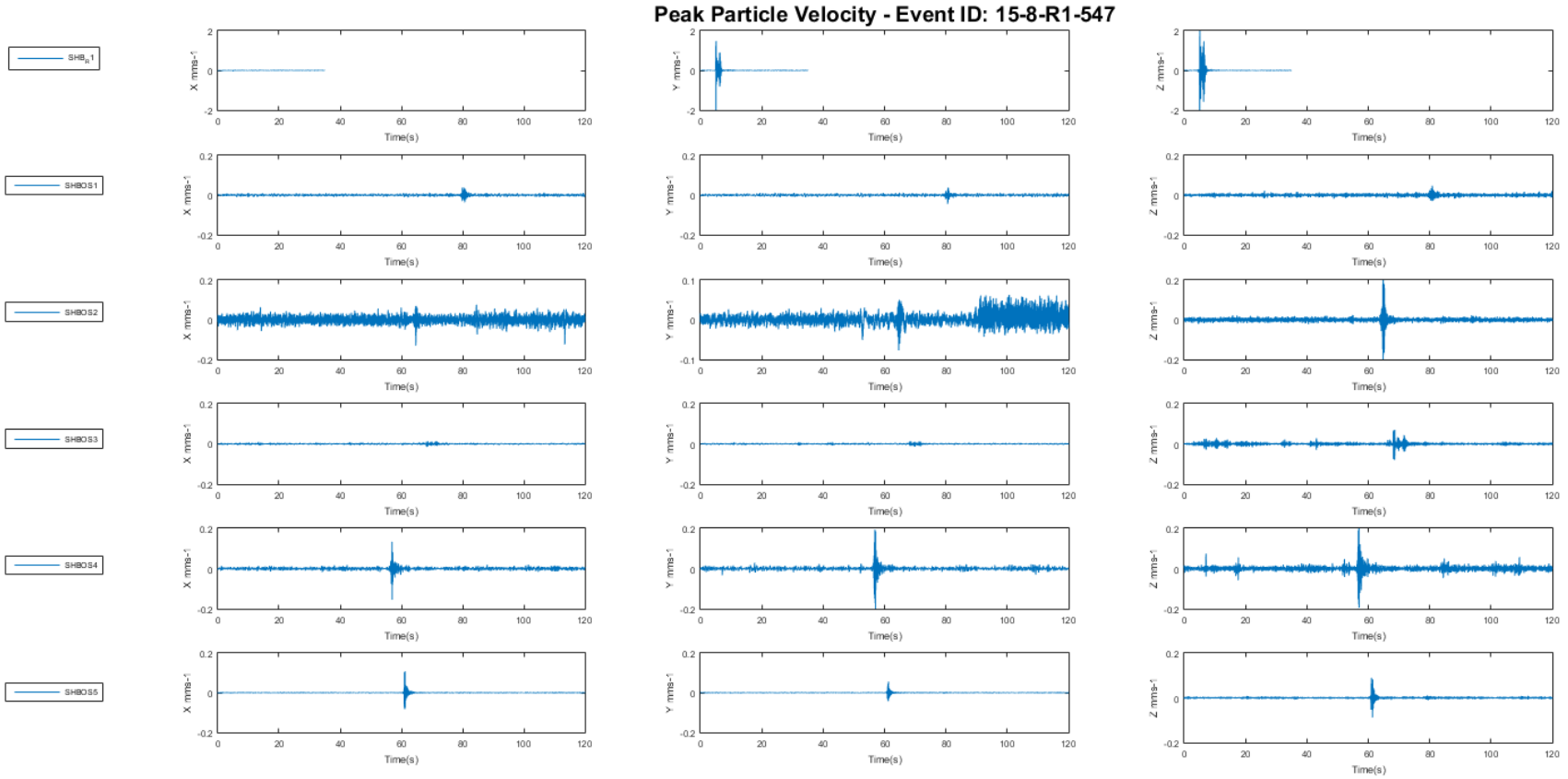
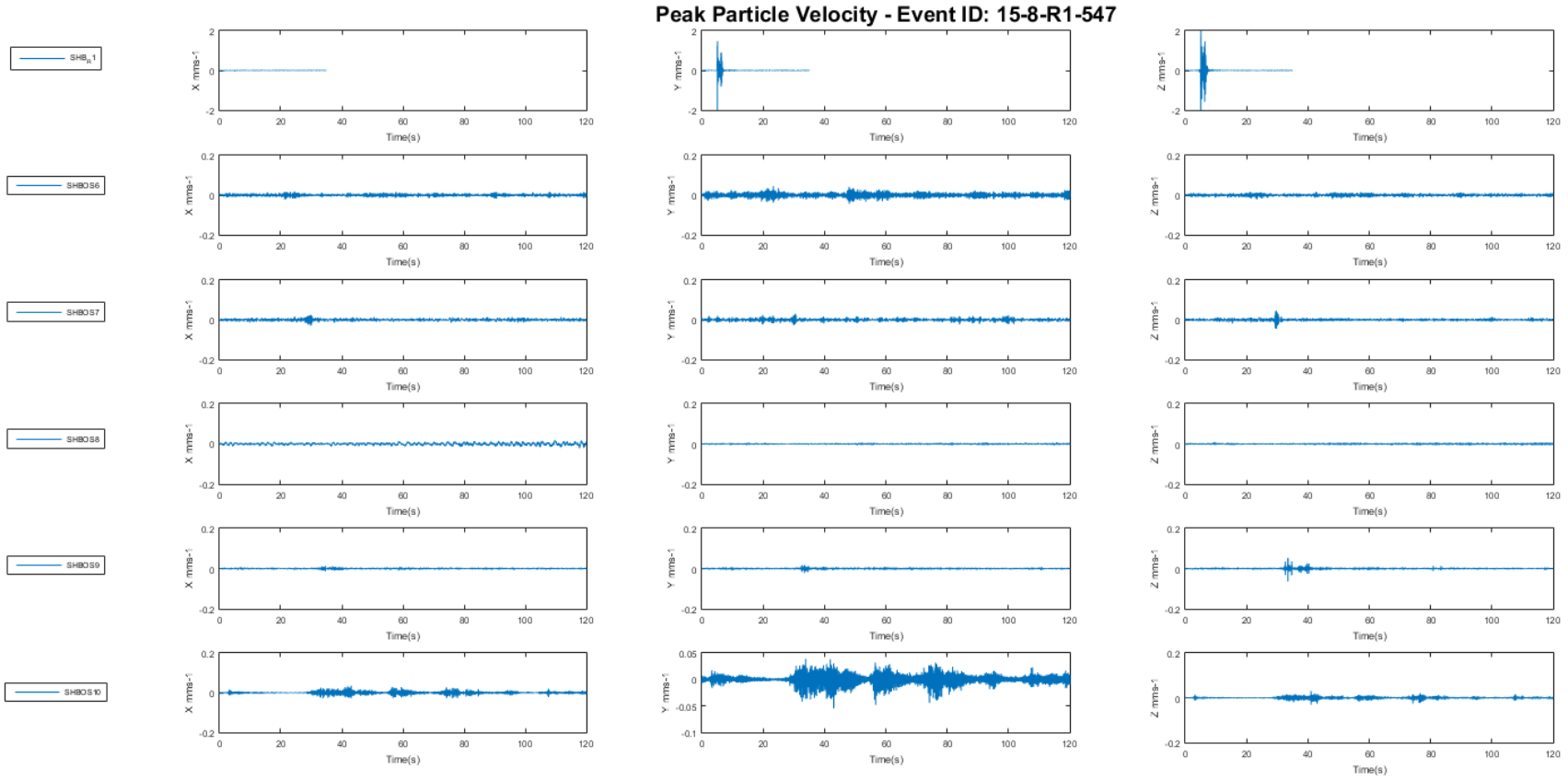


FIGURE 3.1189: SHB_OS 1 - 5 15-8-R1-547

FIGURE 3.1190: SHB_OS 6 - 10 15-8-R1-547



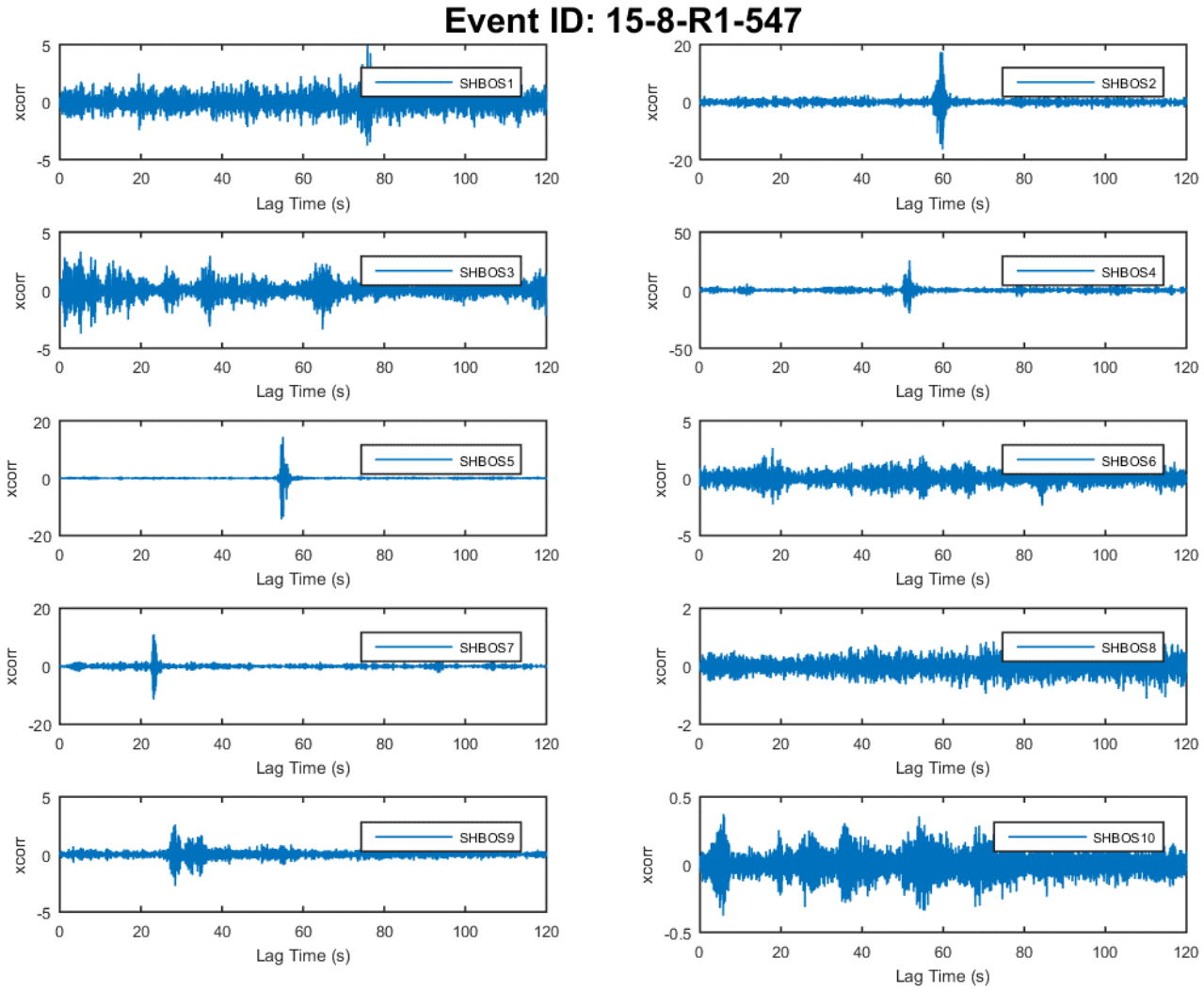


FIGURE 3.1191: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-547

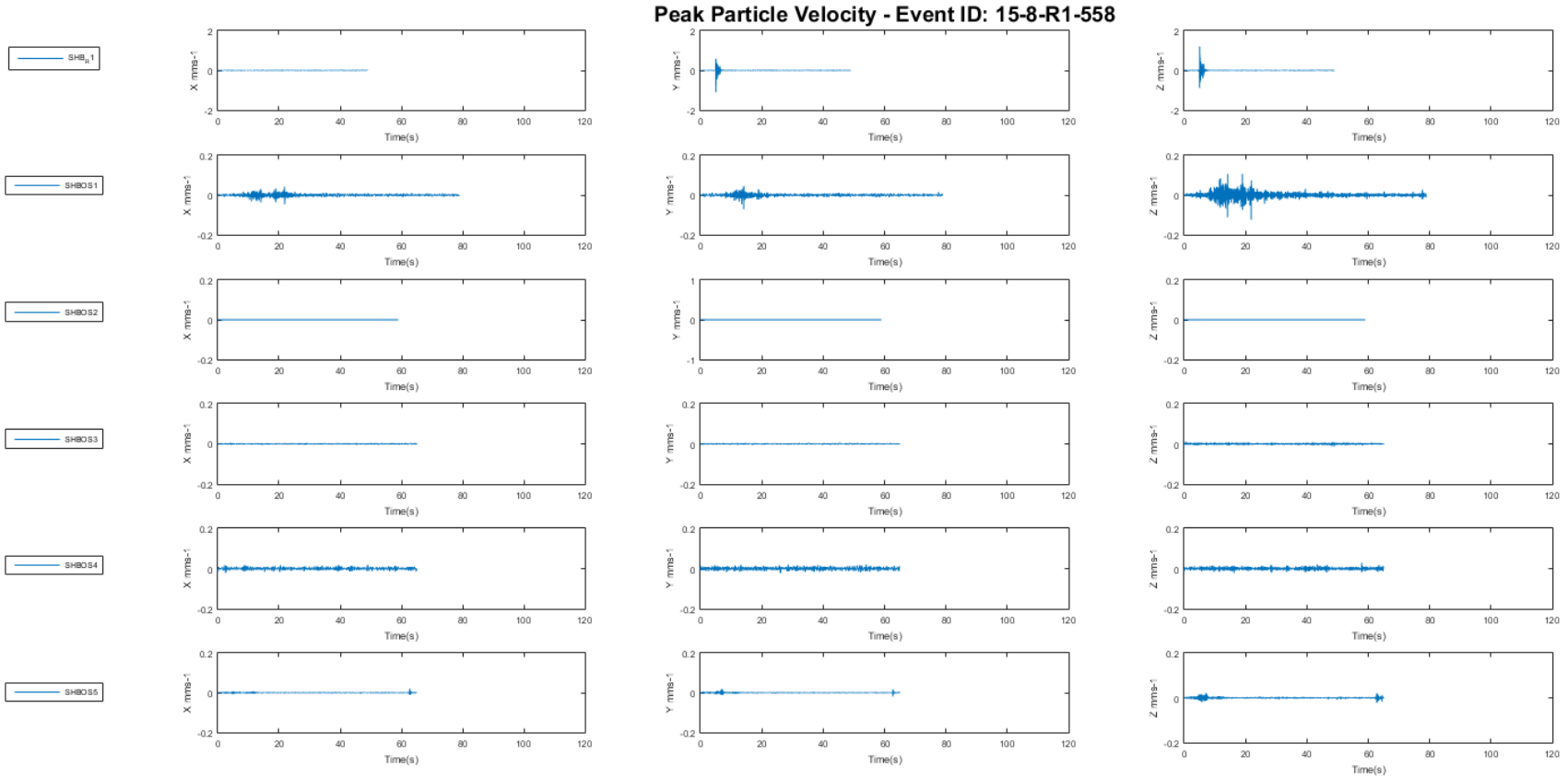
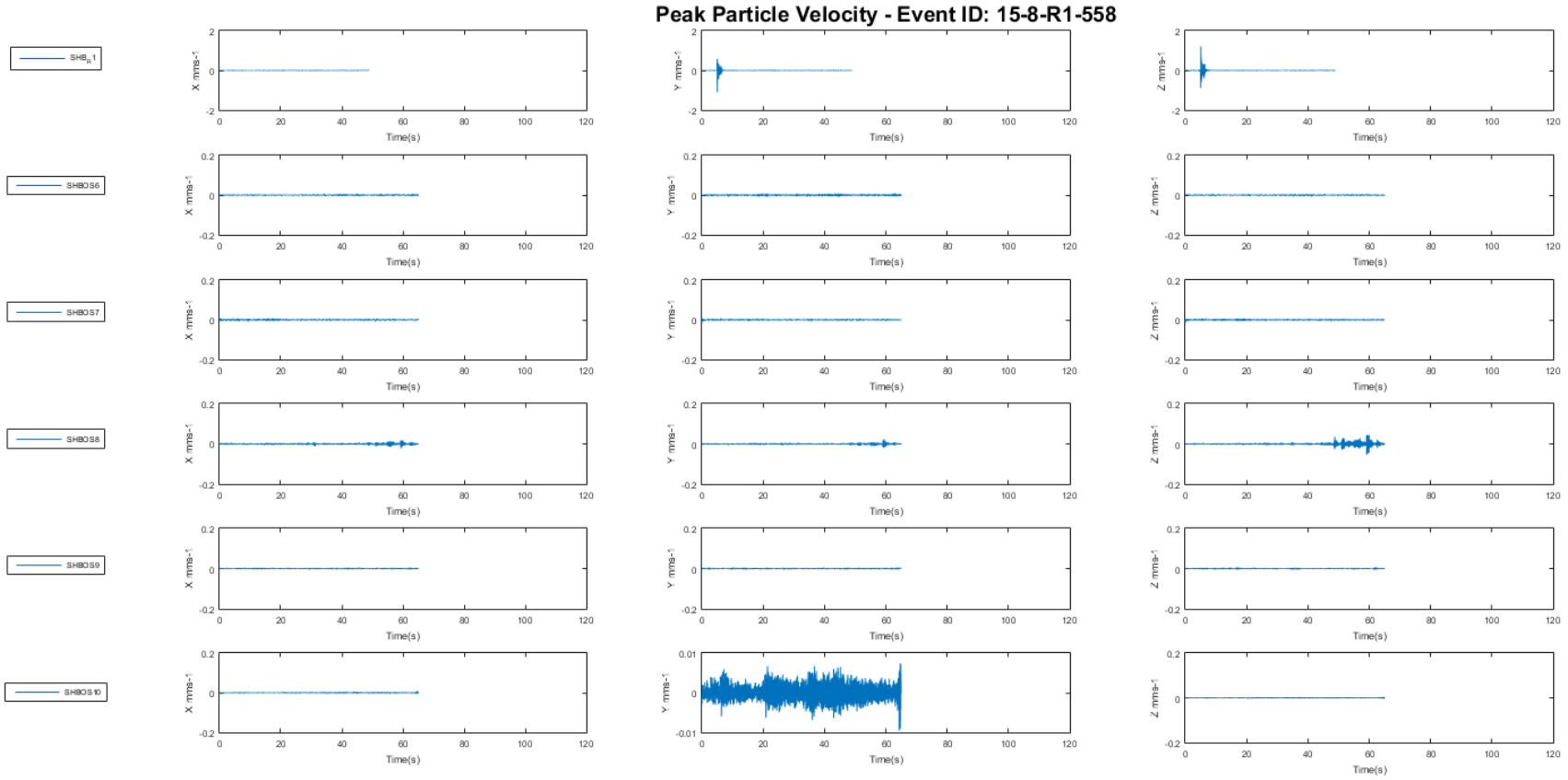


FIGURE 3.1192: SHB_OS 1 - 5 15-8-R1-558

FIGURE 3.1193: SHB_OS 6 - 10 15-8-R1-558



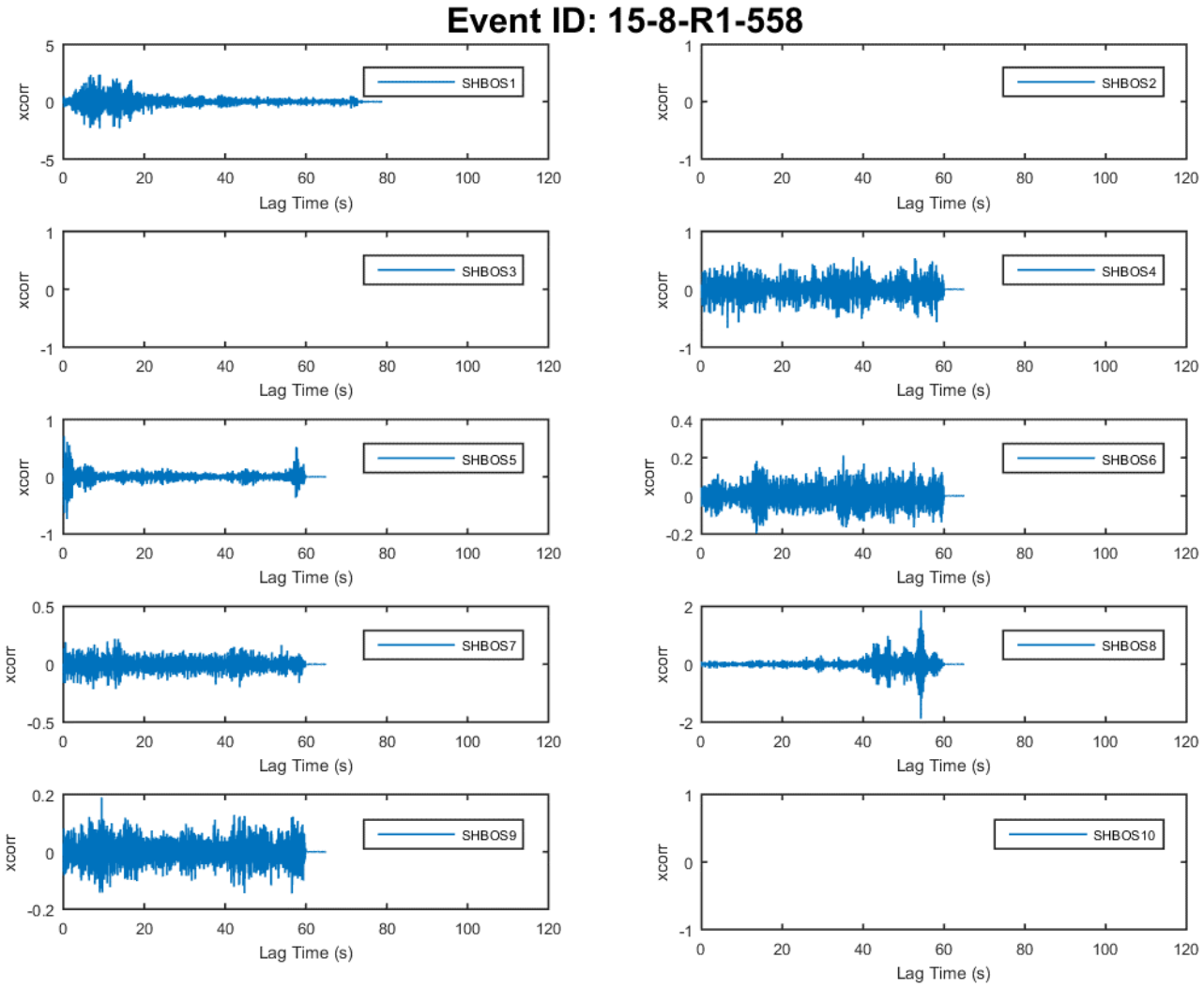


FIGURE 3.1194: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-558

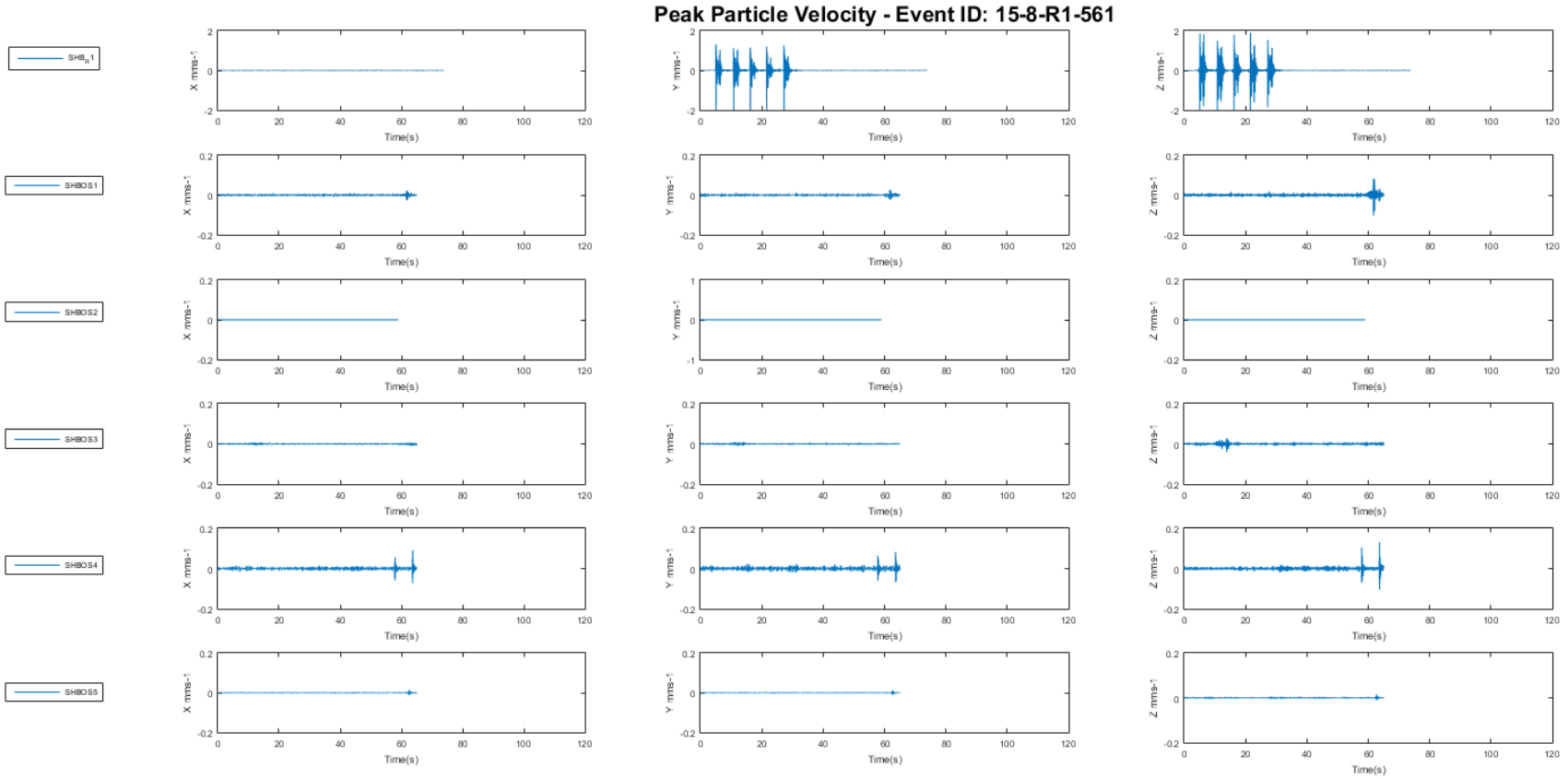
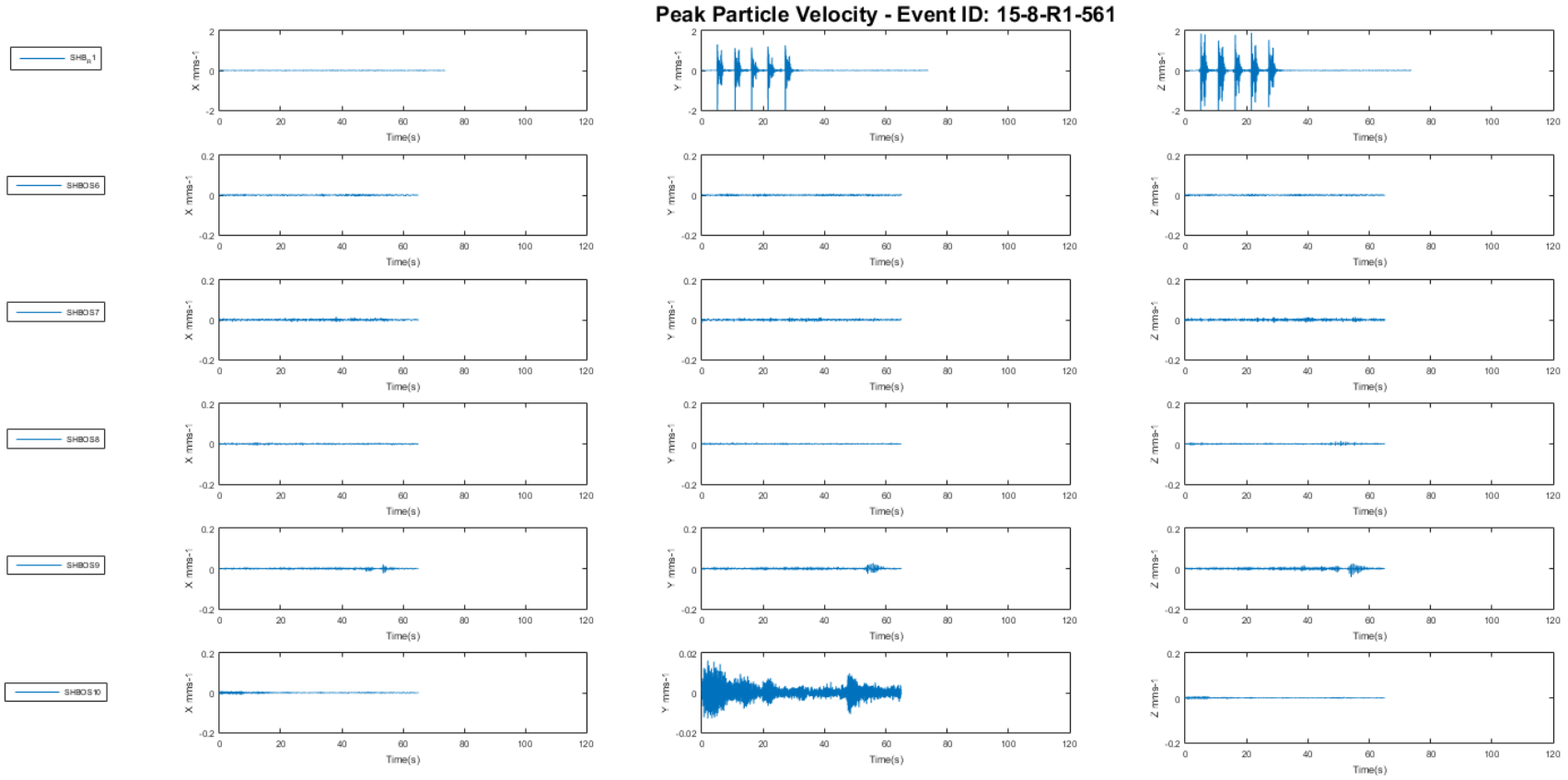


FIGURE 3.1195: SHB_OS 1 - 5 15-8-R1-561

FIGURE 3.1196: SHB_OS 6 - 10 15-8-R1-561



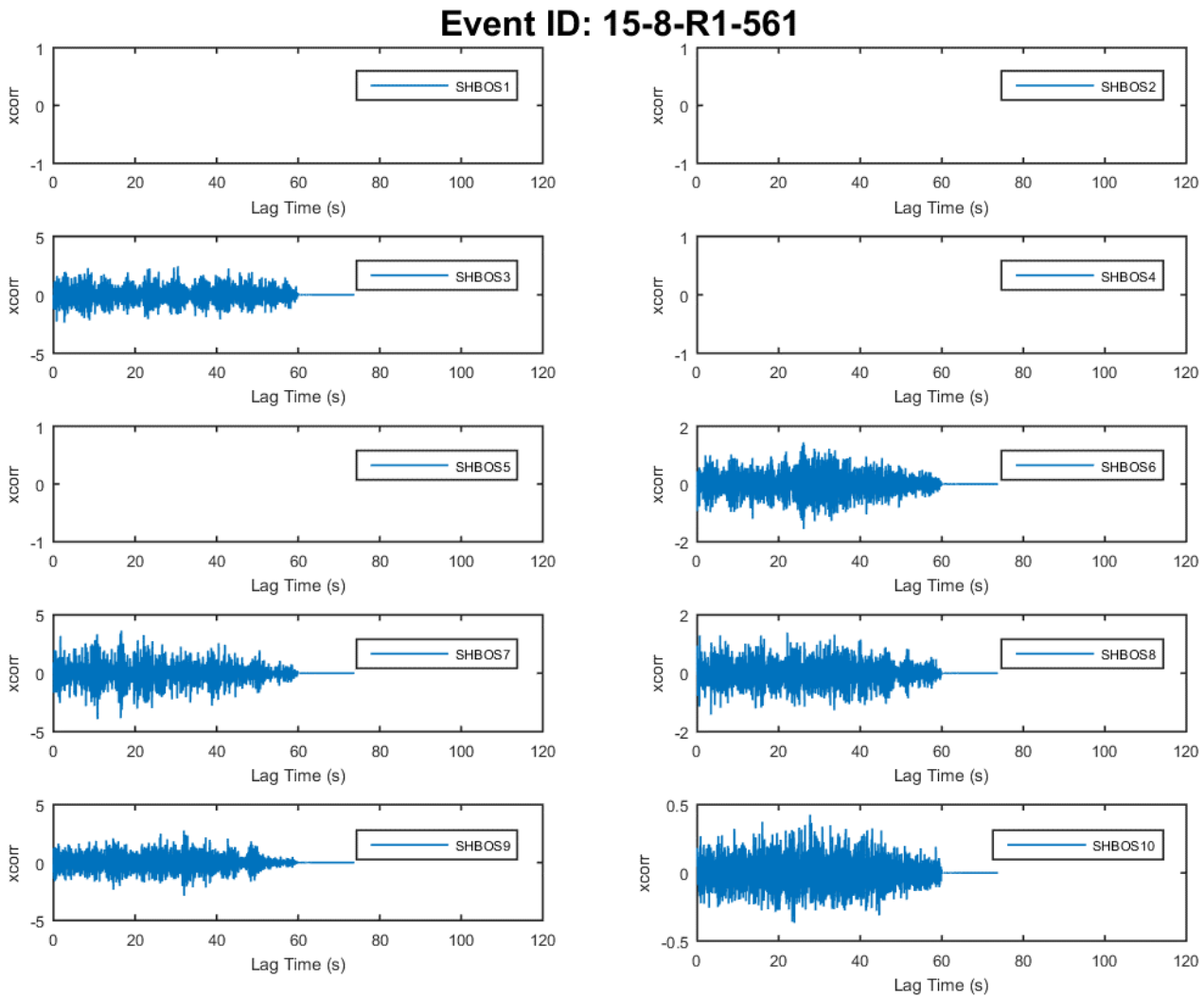


FIGURE 3.1197: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-561

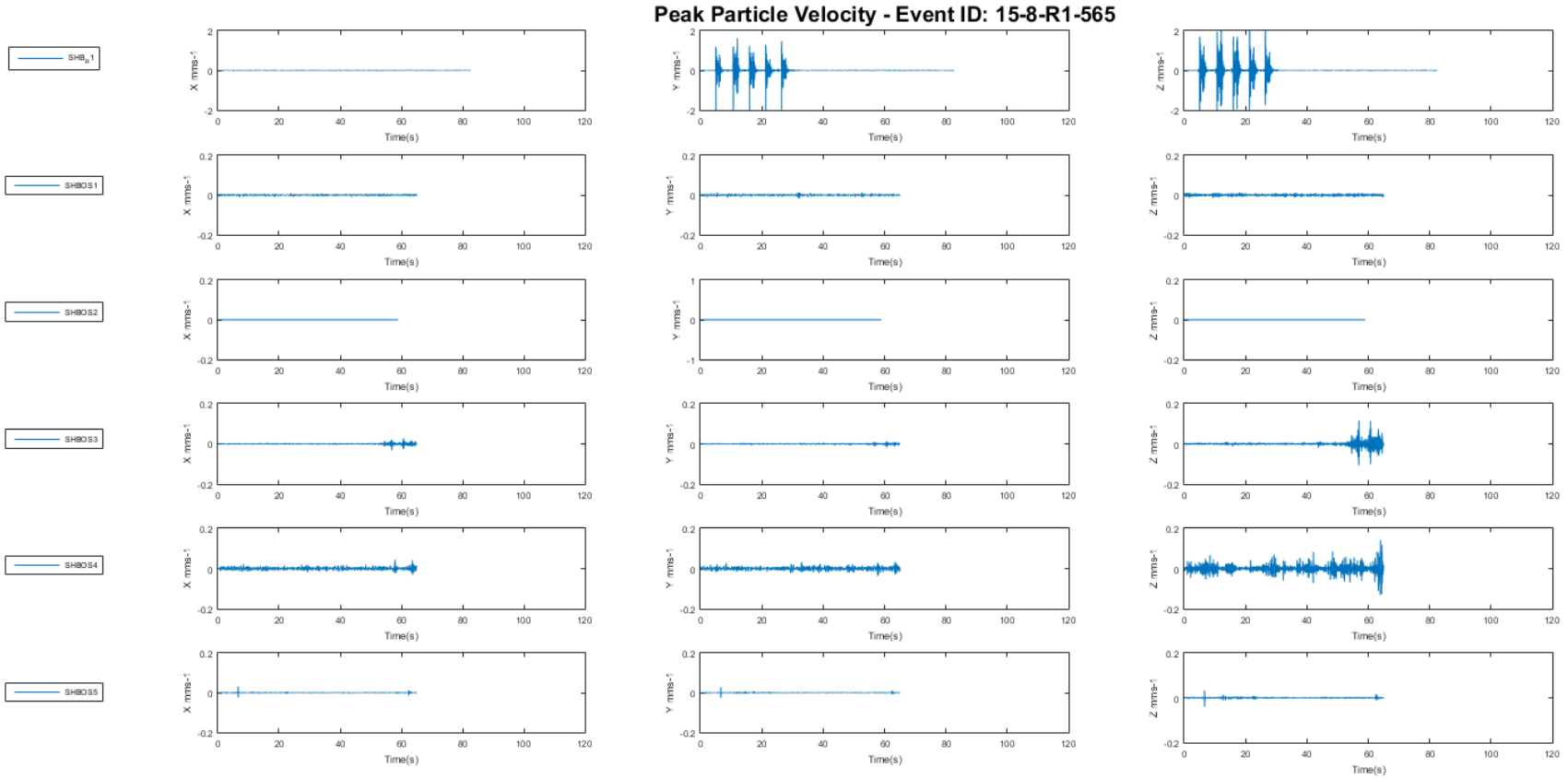
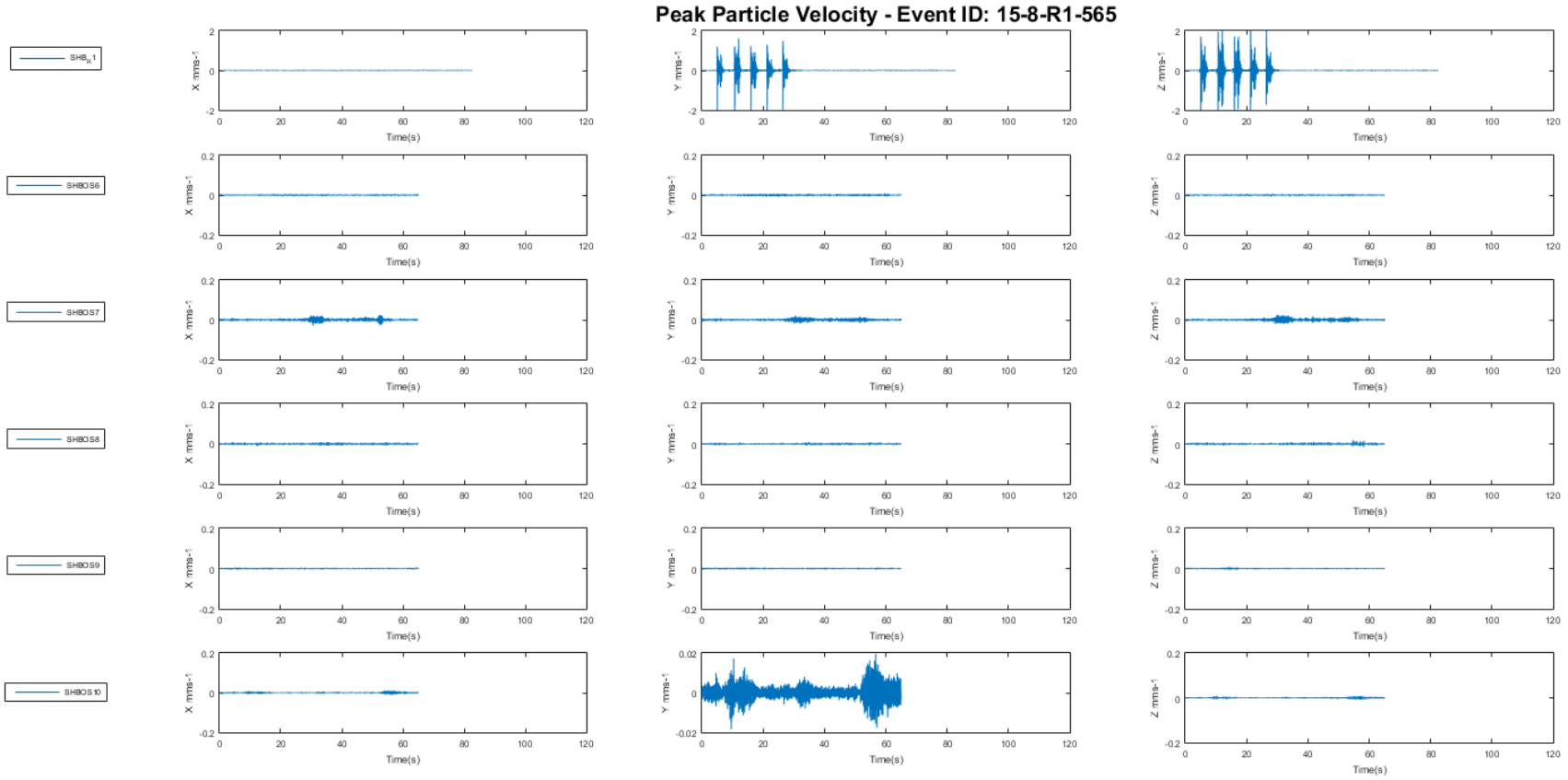


FIGURE 3.1198: SHB_OS 1 - 5 15-8-R1-565

FIGURE 3.1199: SHB_OS 6 - 10 15-8-R1-565



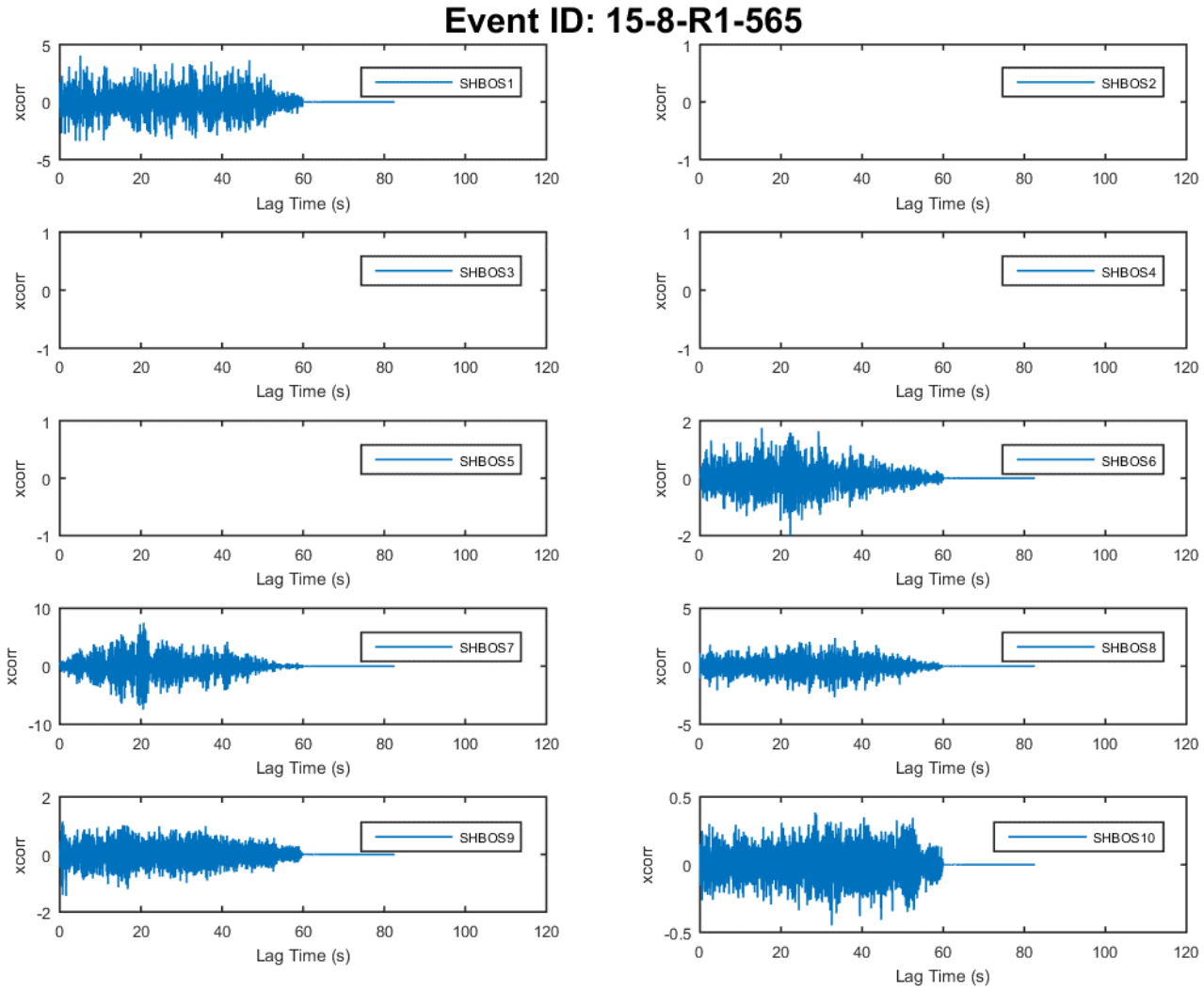


FIGURE 3.1200: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-565

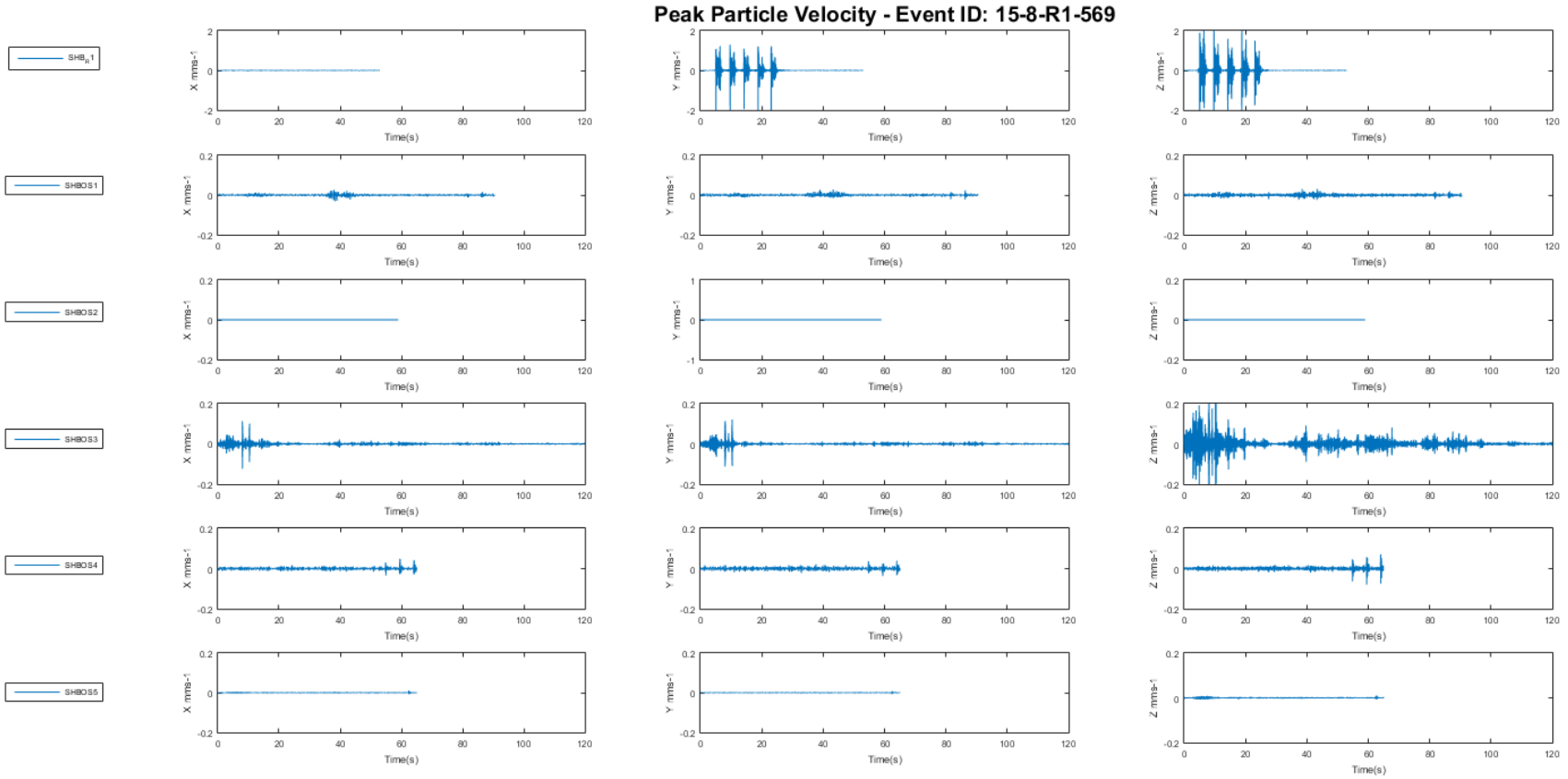
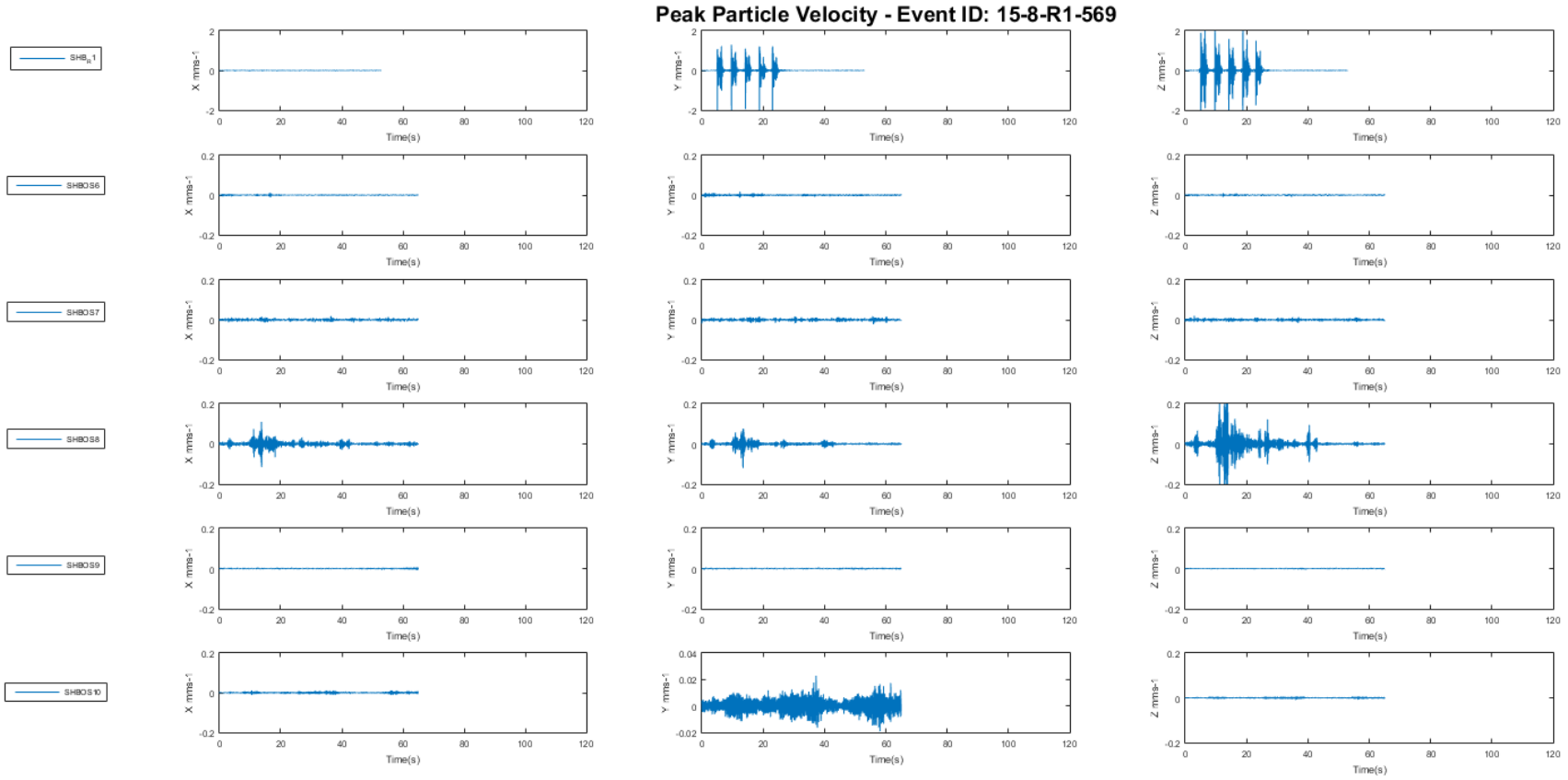


FIGURE 3.1201: SHB_OS 1 - 5 15-8-R1-569

FIGURE 3.1202: SHB_OS 6 - 10 15-8-R1-569



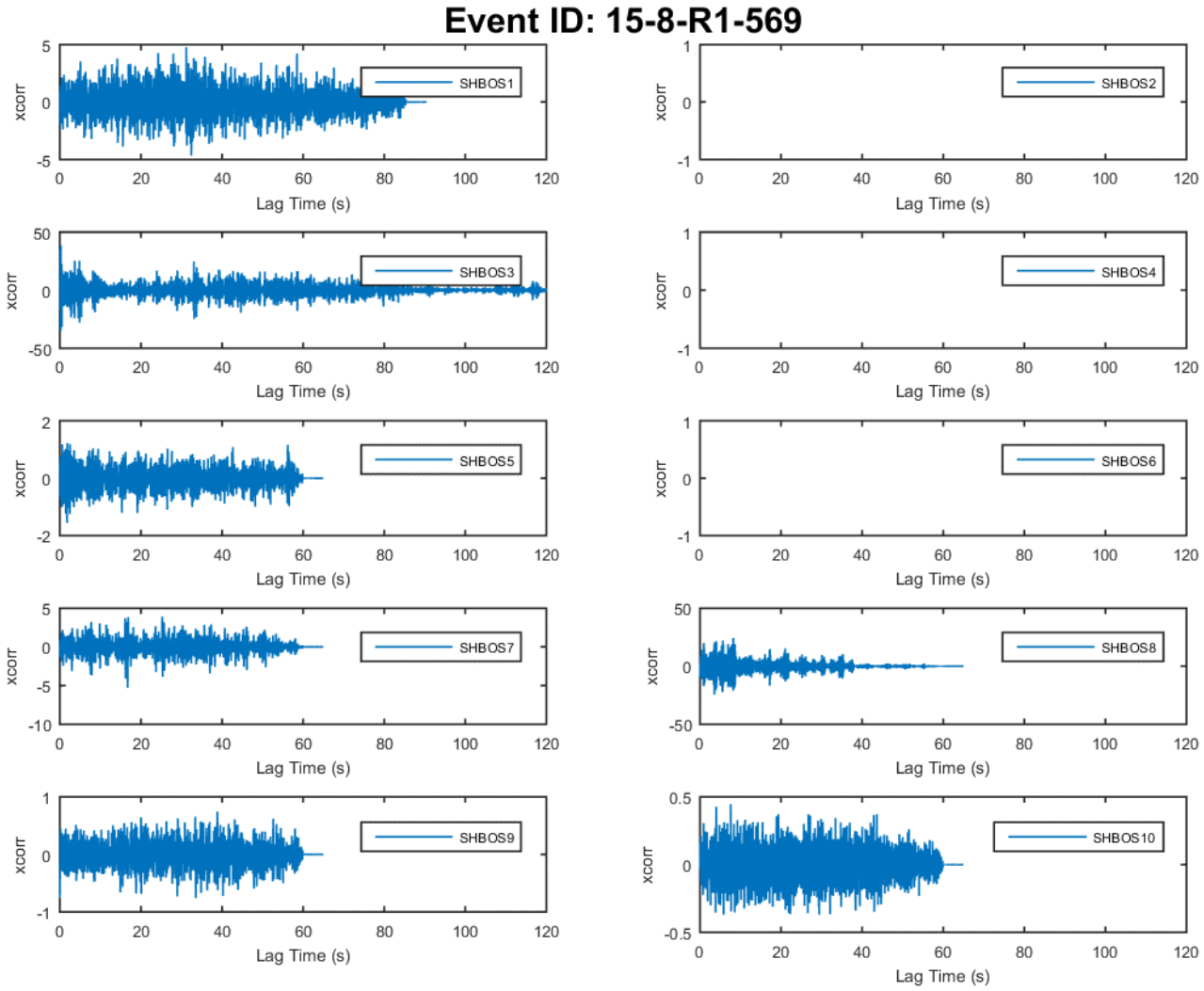


FIGURE 3.1203: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-569

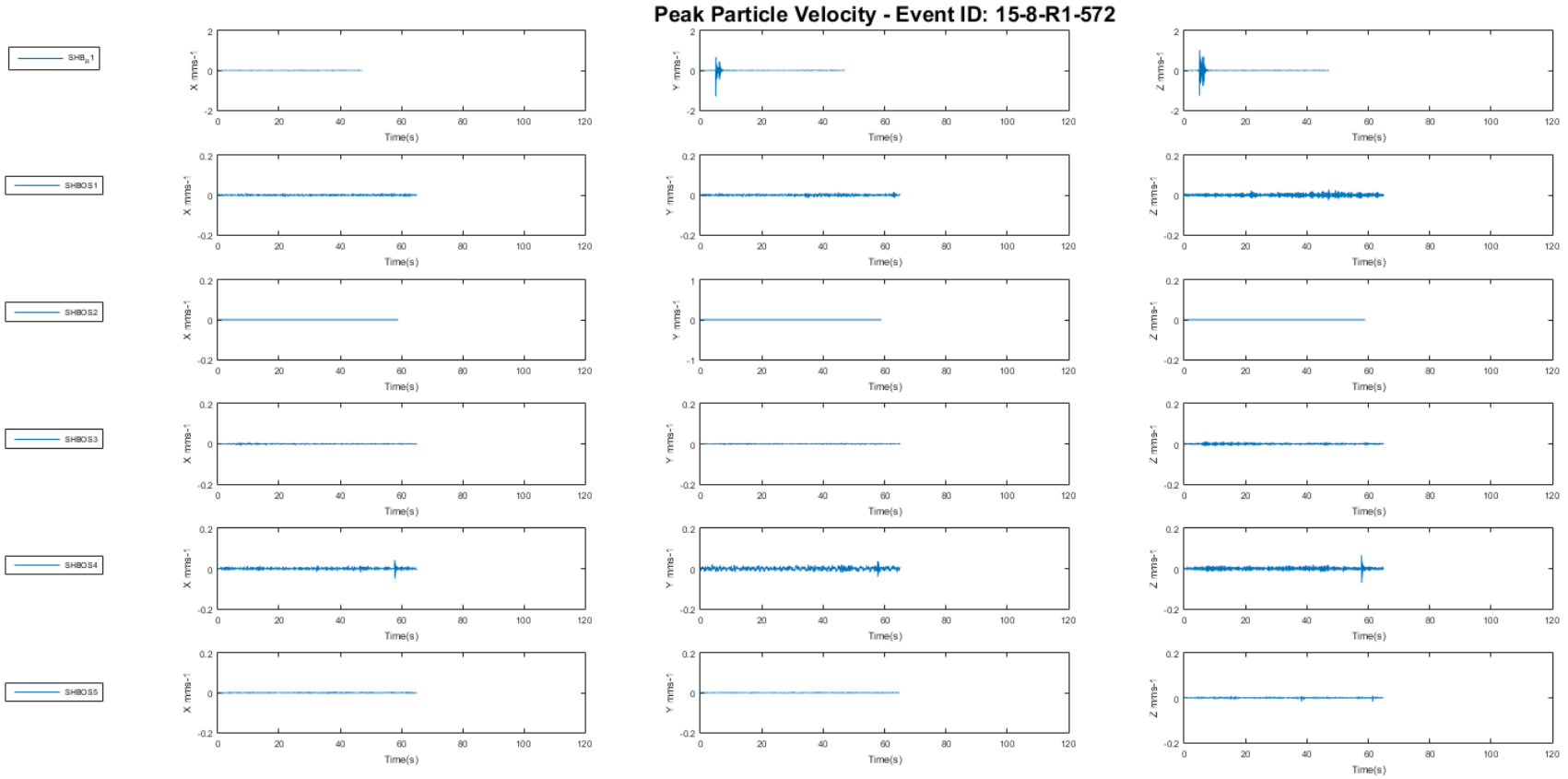
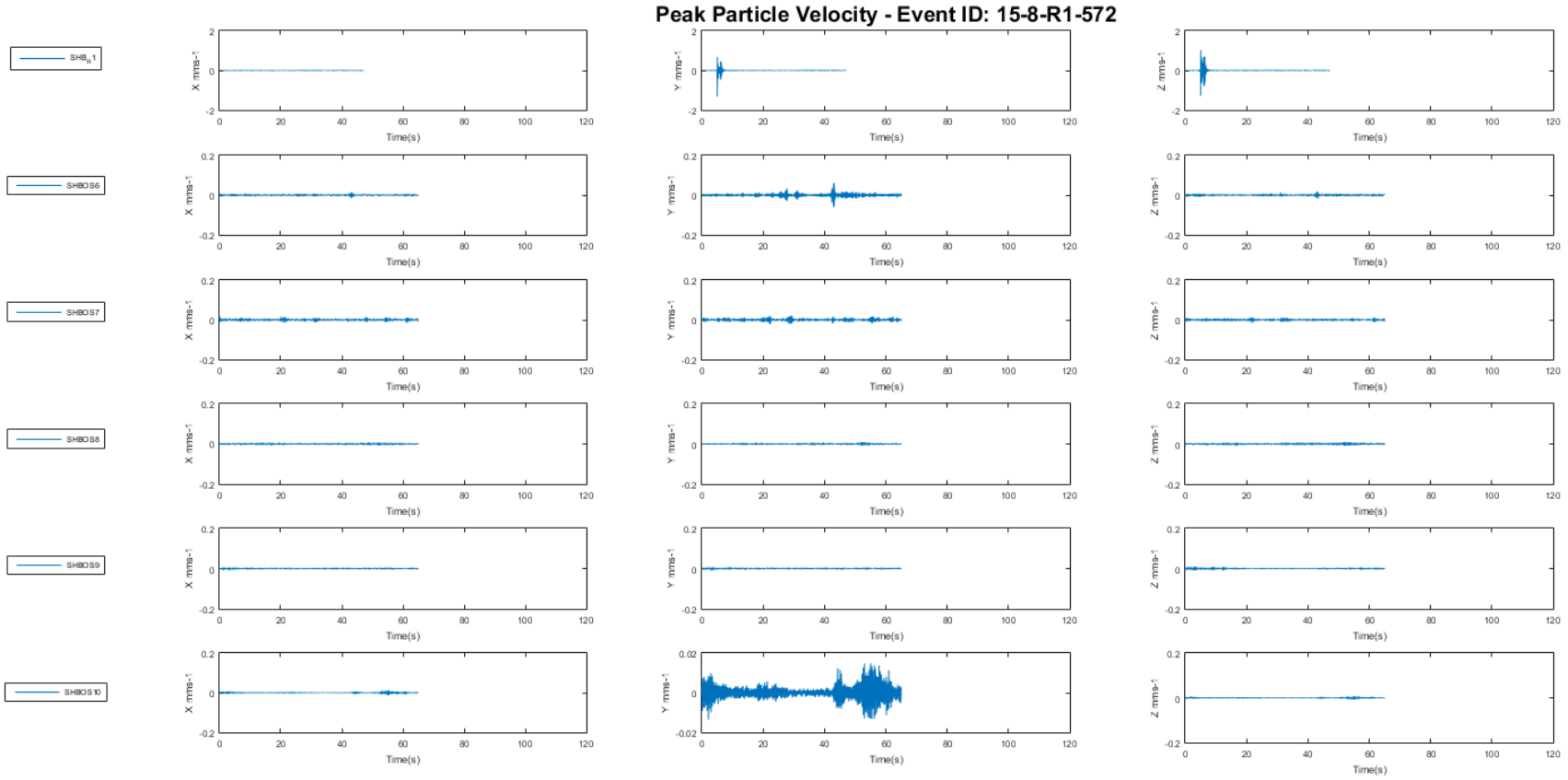


FIGURE 3.1204: SHB_OS 1 - 5 15-8-R1-572

FIGURE 3.1205: SHB_OS 6 - 10 15-8-R1-572



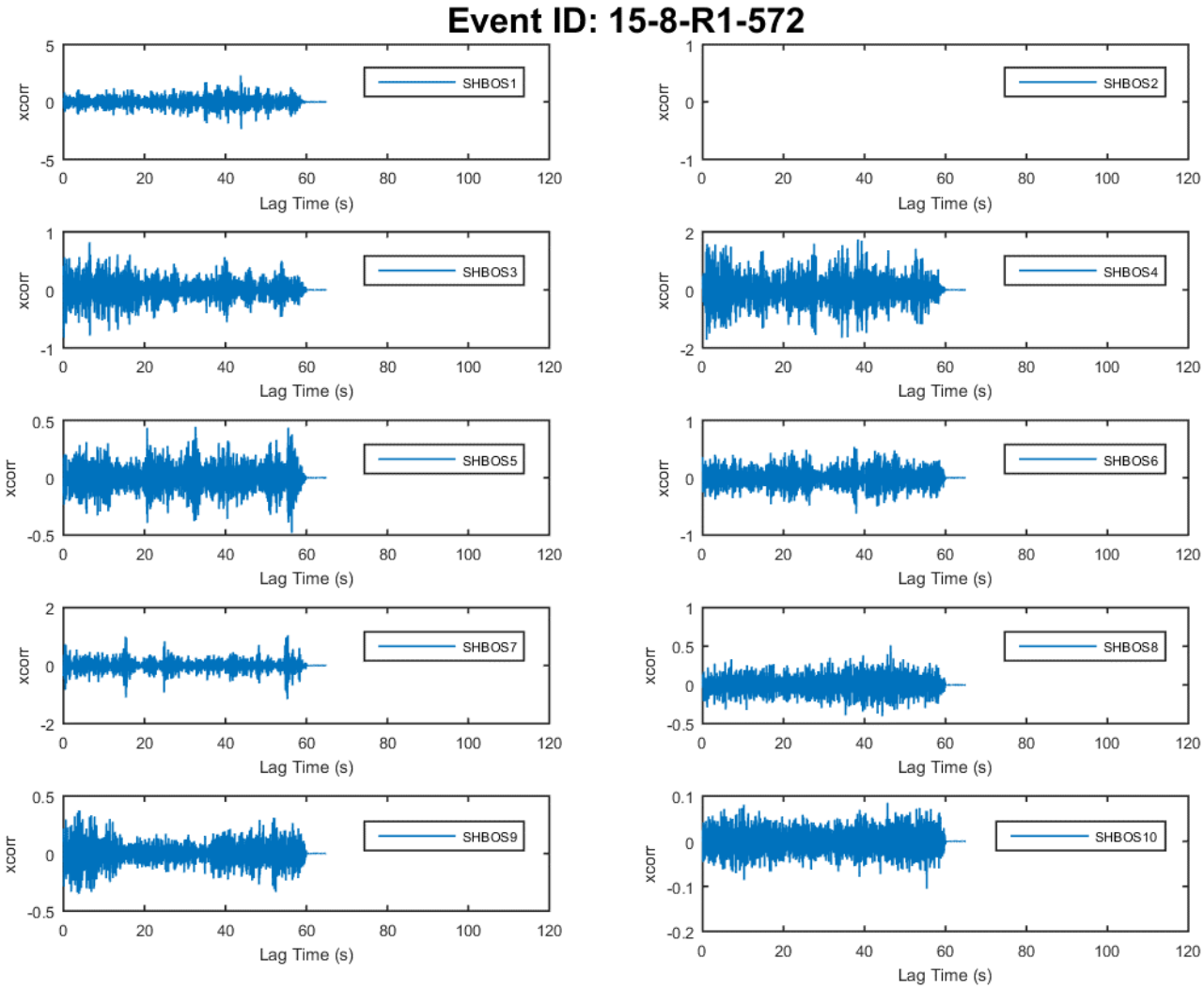


FIGURE 3.1206: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-572

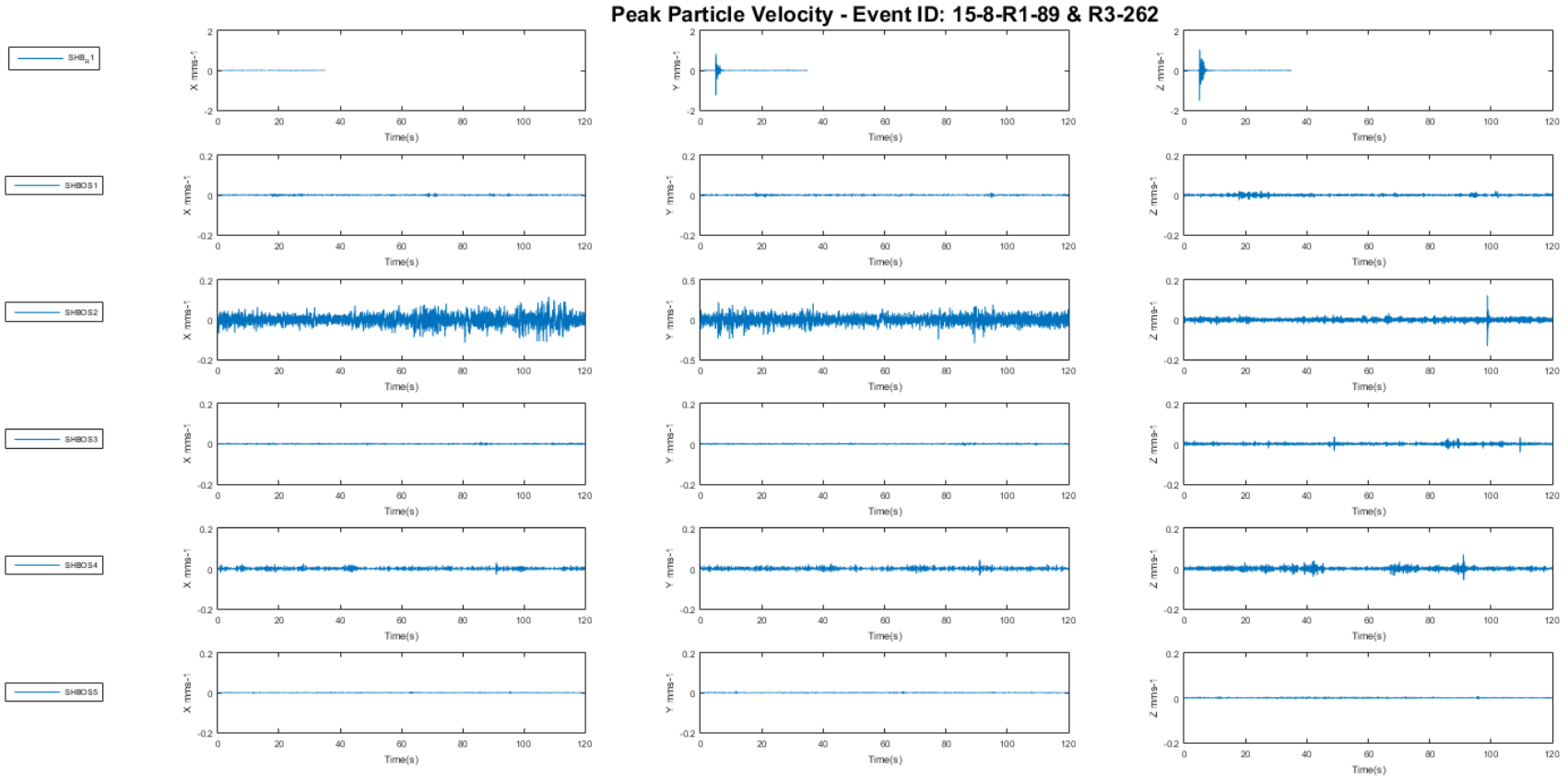
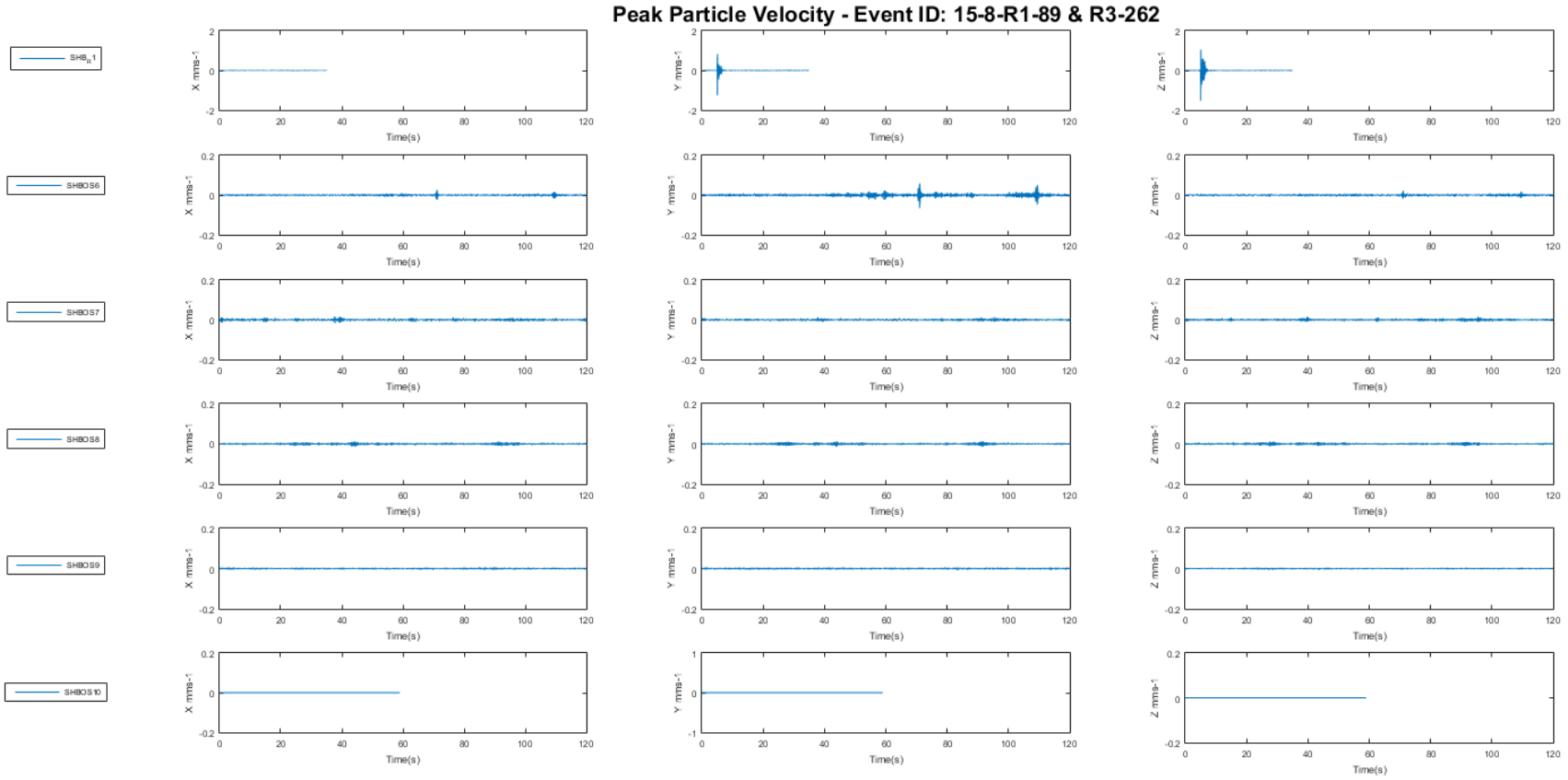


FIGURE 3.1207: SHB_OS 1 - 5 15-8-R1-89 & R3-262

FIGURE 3.1208: SHB_OS 6 - 10 15-8-R1-89 & R3-262



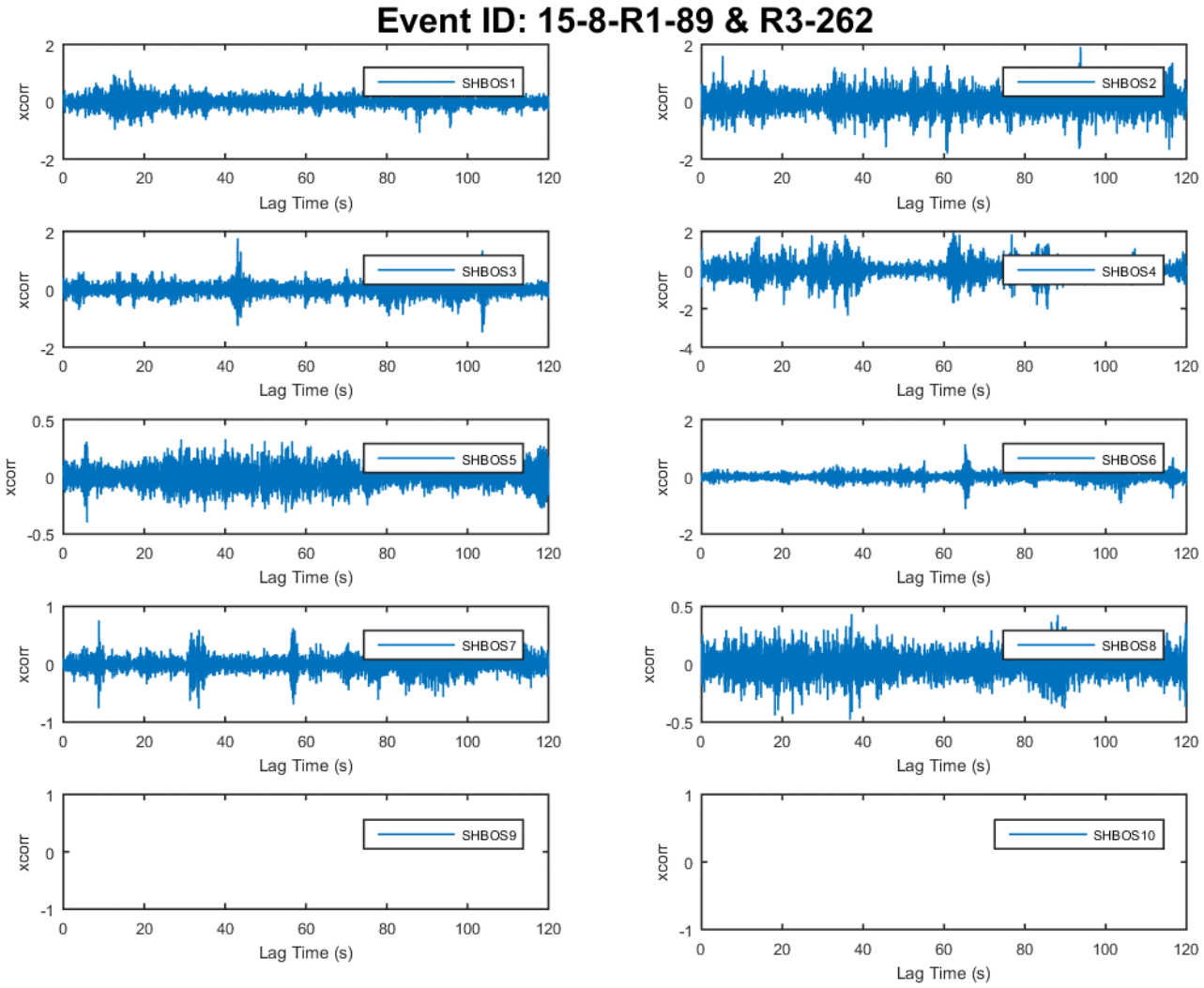


FIGURE 3.1209: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-89 & R3-262

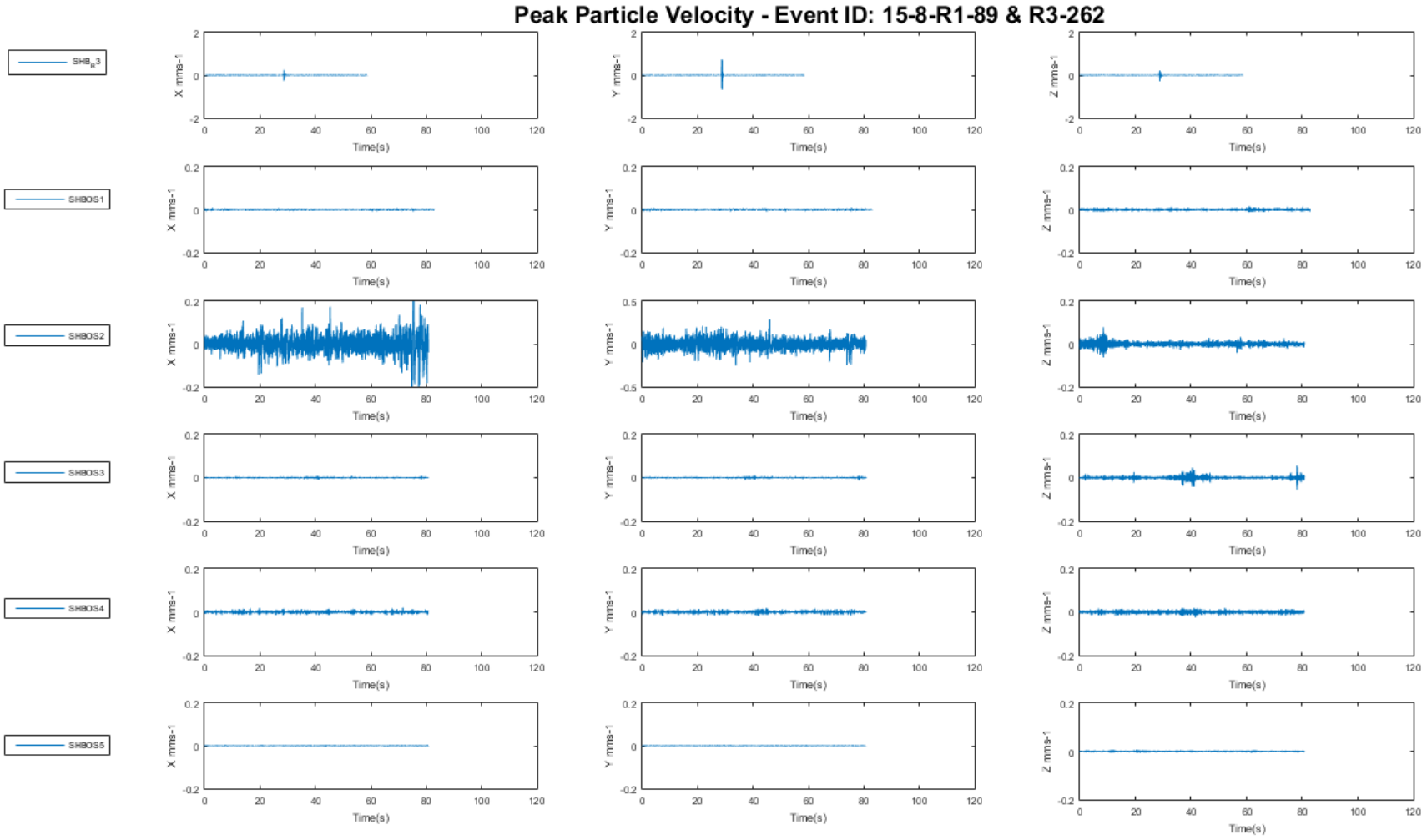


FIGURE 3.1210: SHB_OS 1 - 5 15-8-R1-89 & R3-262

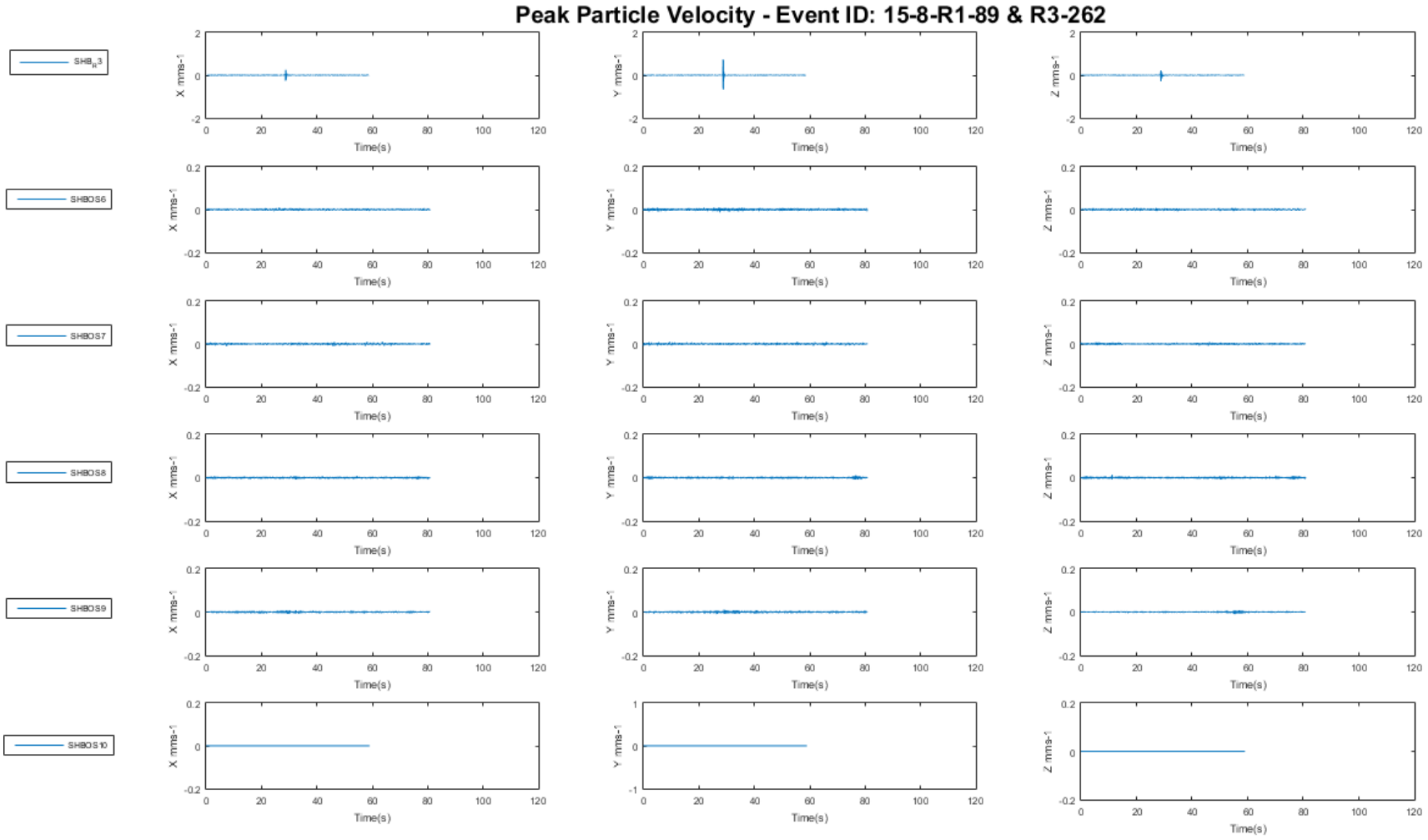


FIGURE 3.1211: SHB_OS 6 - 10 15-8-R1-89 & R3-262

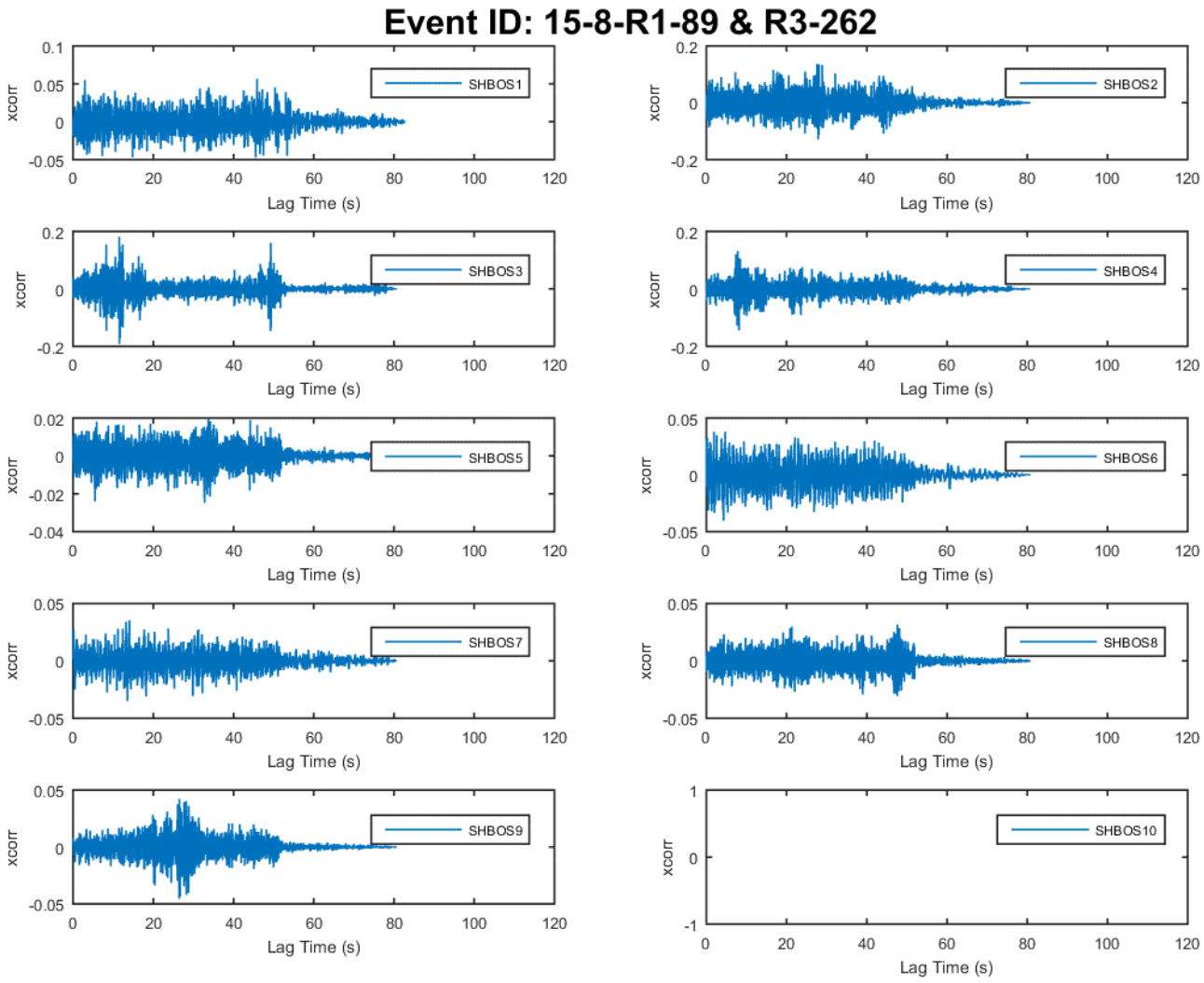


FIGURE 3.1212: CROSS CORRELATION SHB_OS 1 - 10 15-8-R1-89 & R3-262

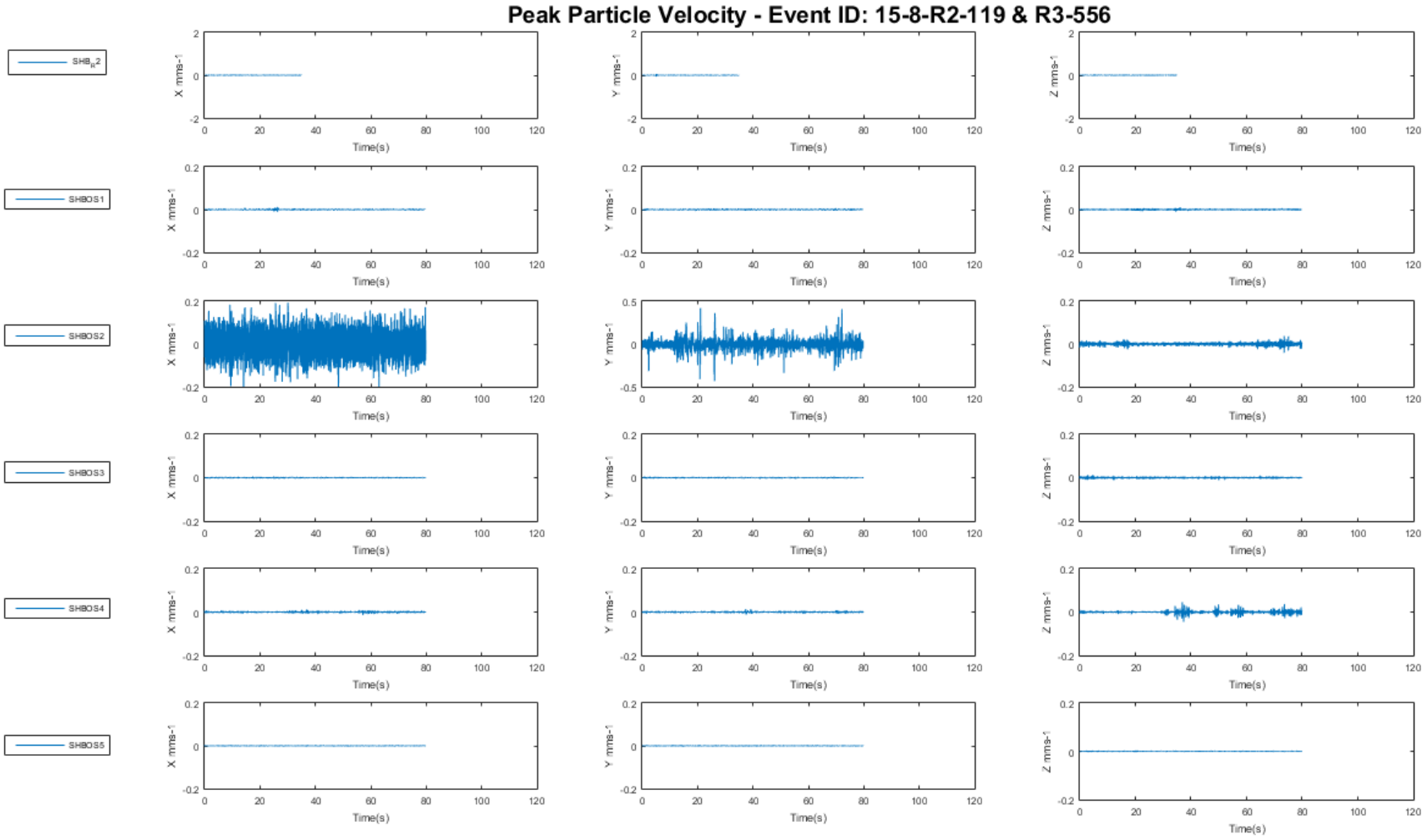


FIGURE 3.1213: SHB_OS 1 - 5 15-8-R2-119 & R3-556

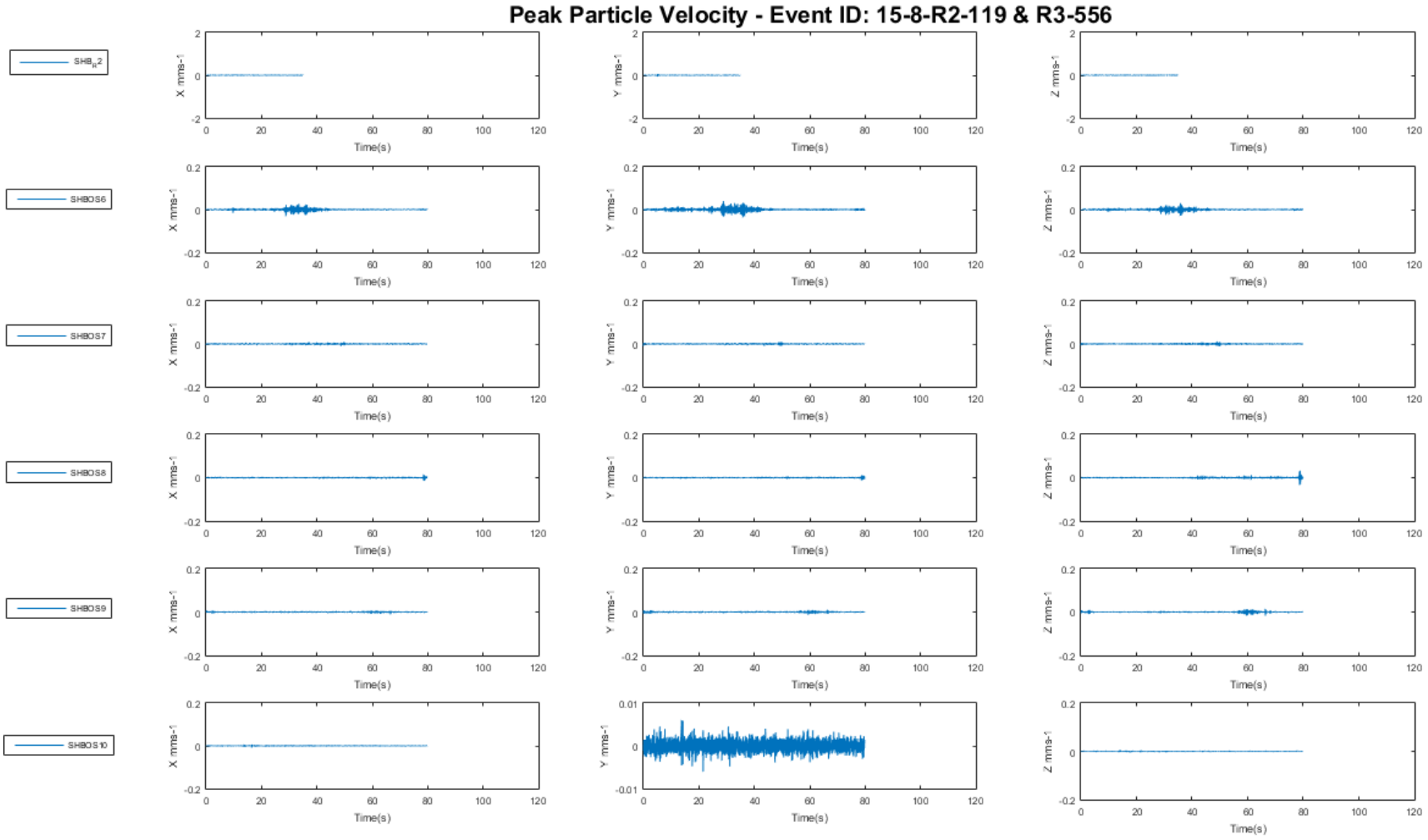


FIGURE 3.1214: SHB_OS 6 - 10 15-8-R2-119 & R3-556

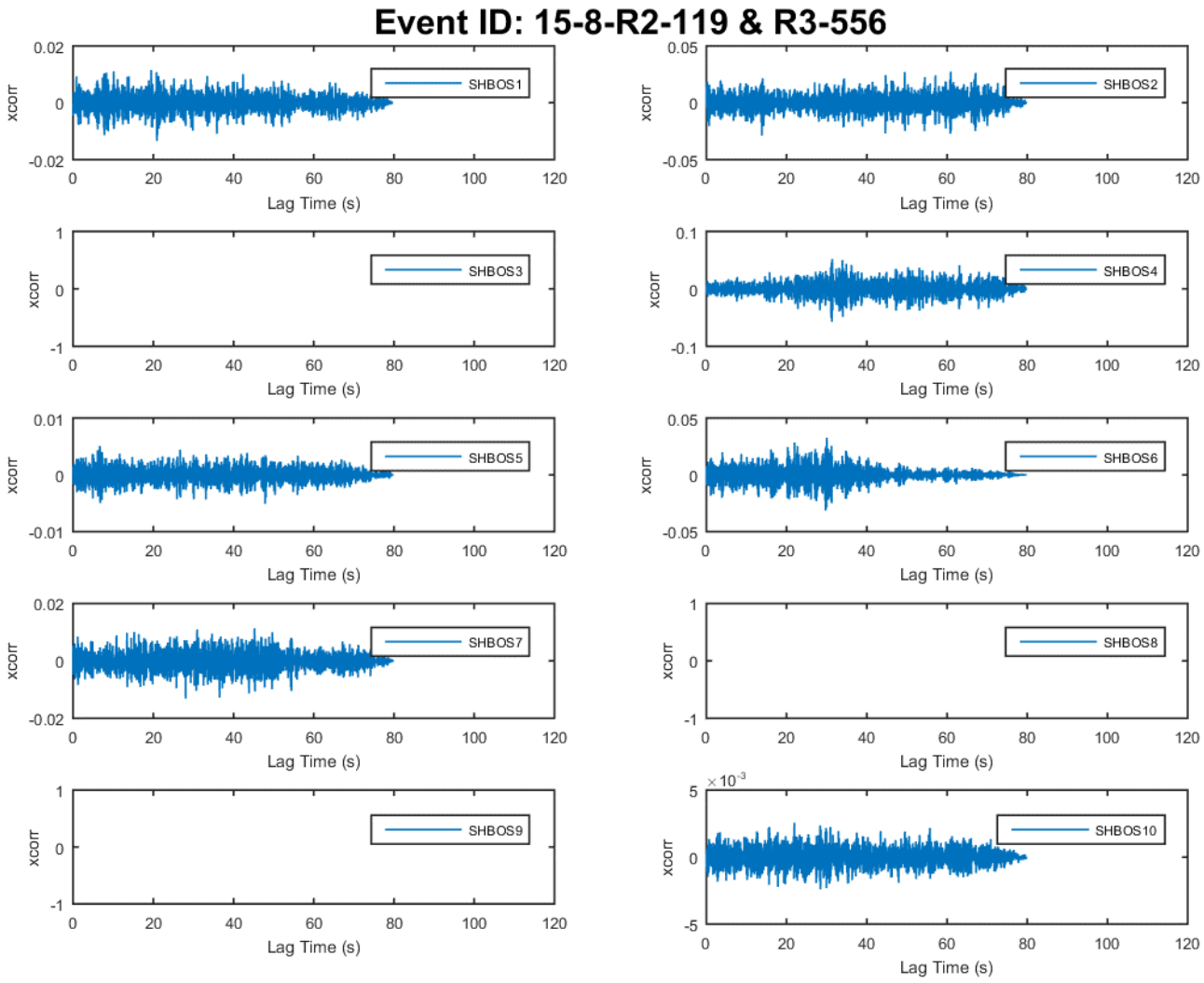


FIGURE 3.1215: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-119 & R3-556

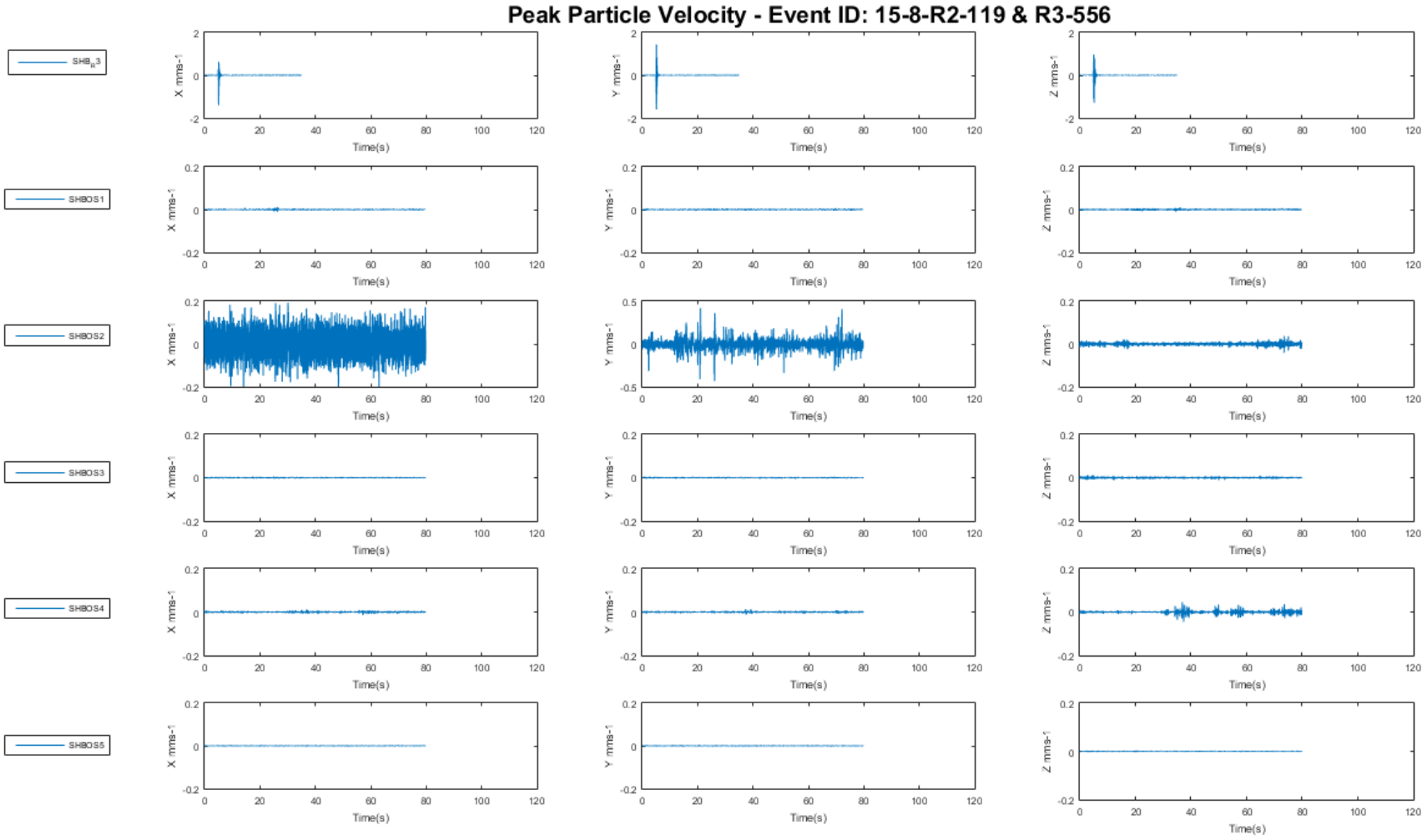


FIGURE 3.1216: SHB_OS 1 - 5 15-8-R2-119 & R3-556

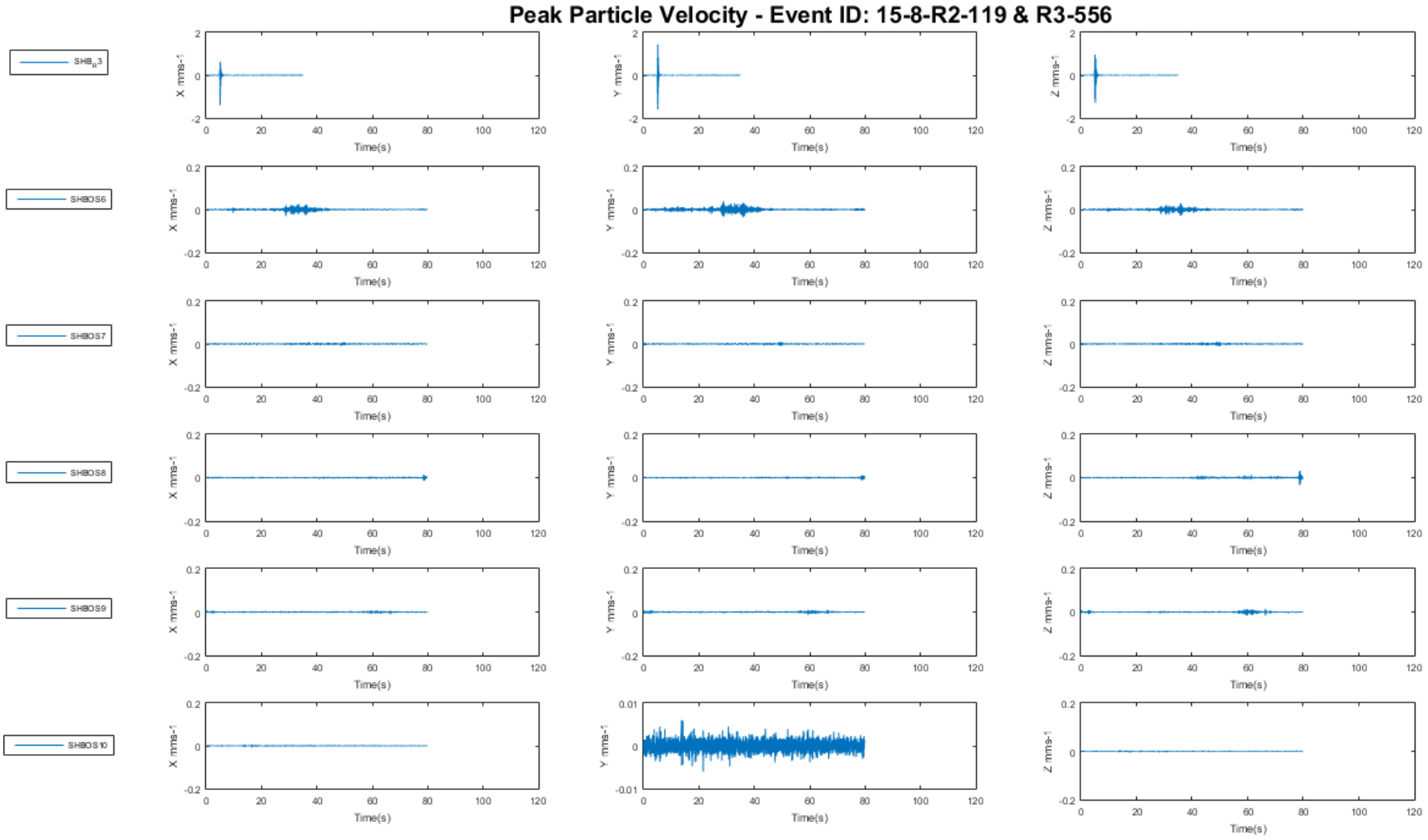


FIGURE 3.1217: SHB_OS 6 - 10 15-8-R2-119 & R3-556

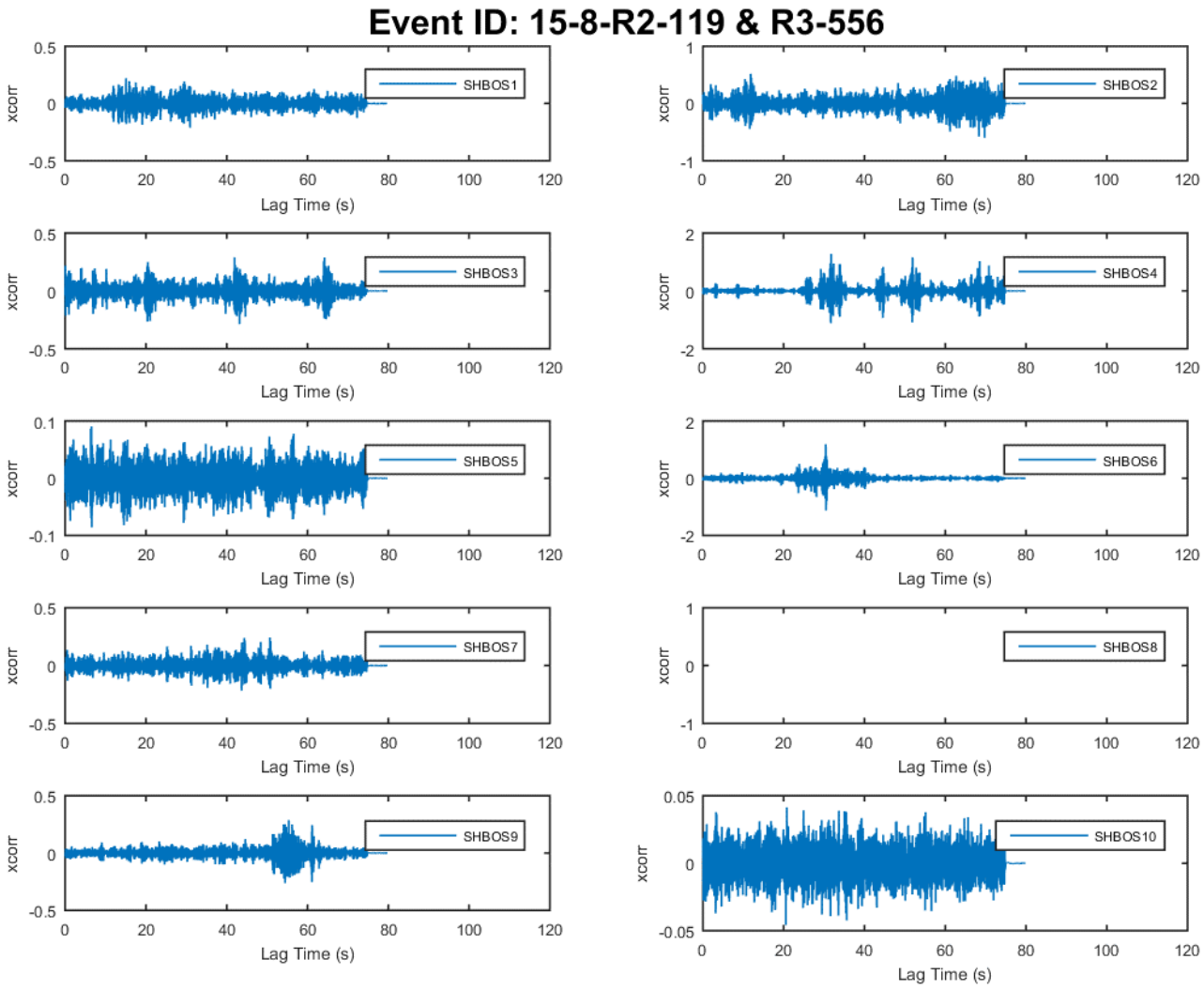


FIGURE 3.1218: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-119 & R3-556

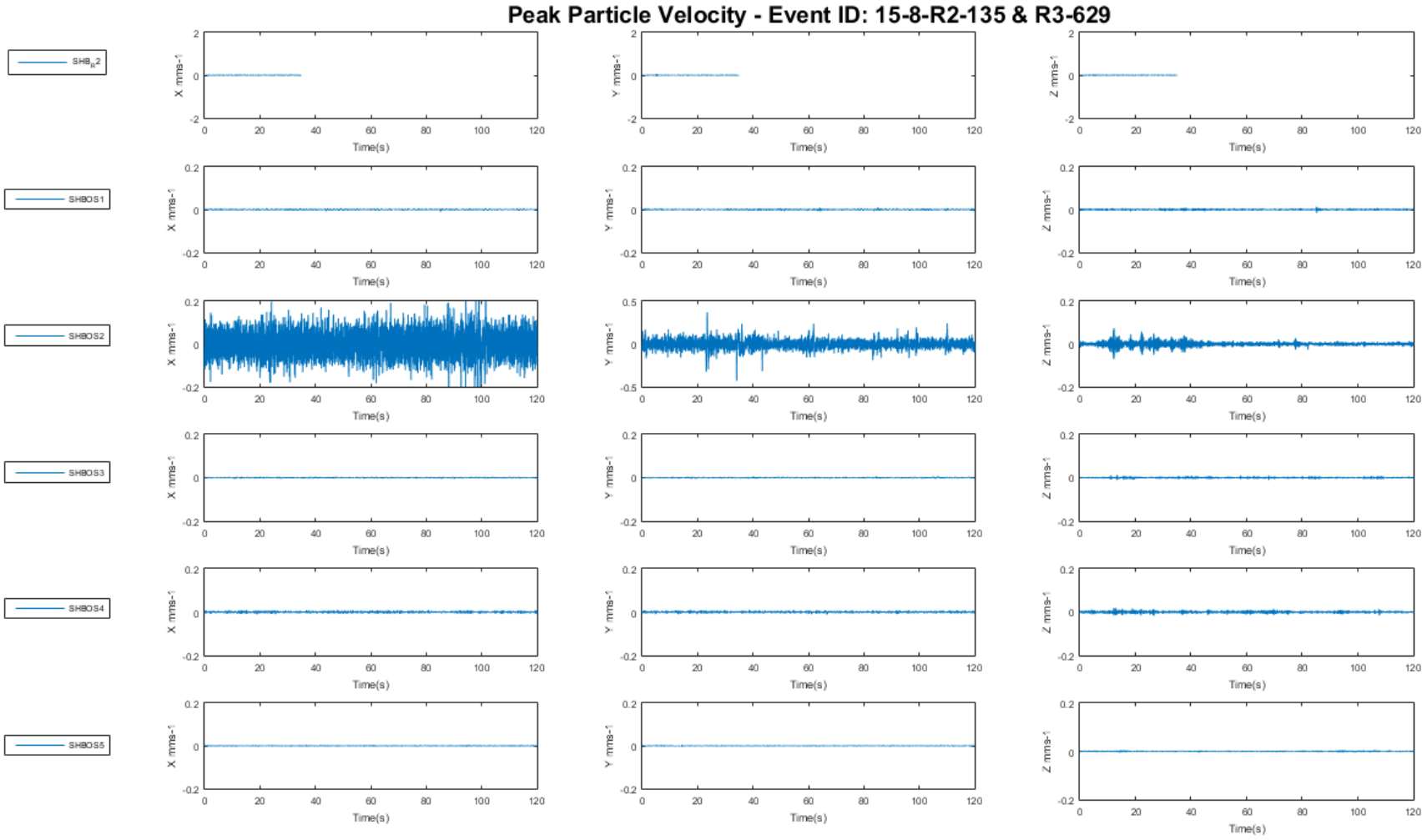


FIGURE 3.1219: SHB_OS 1 - 5 15-8-R2-135 & R3-629

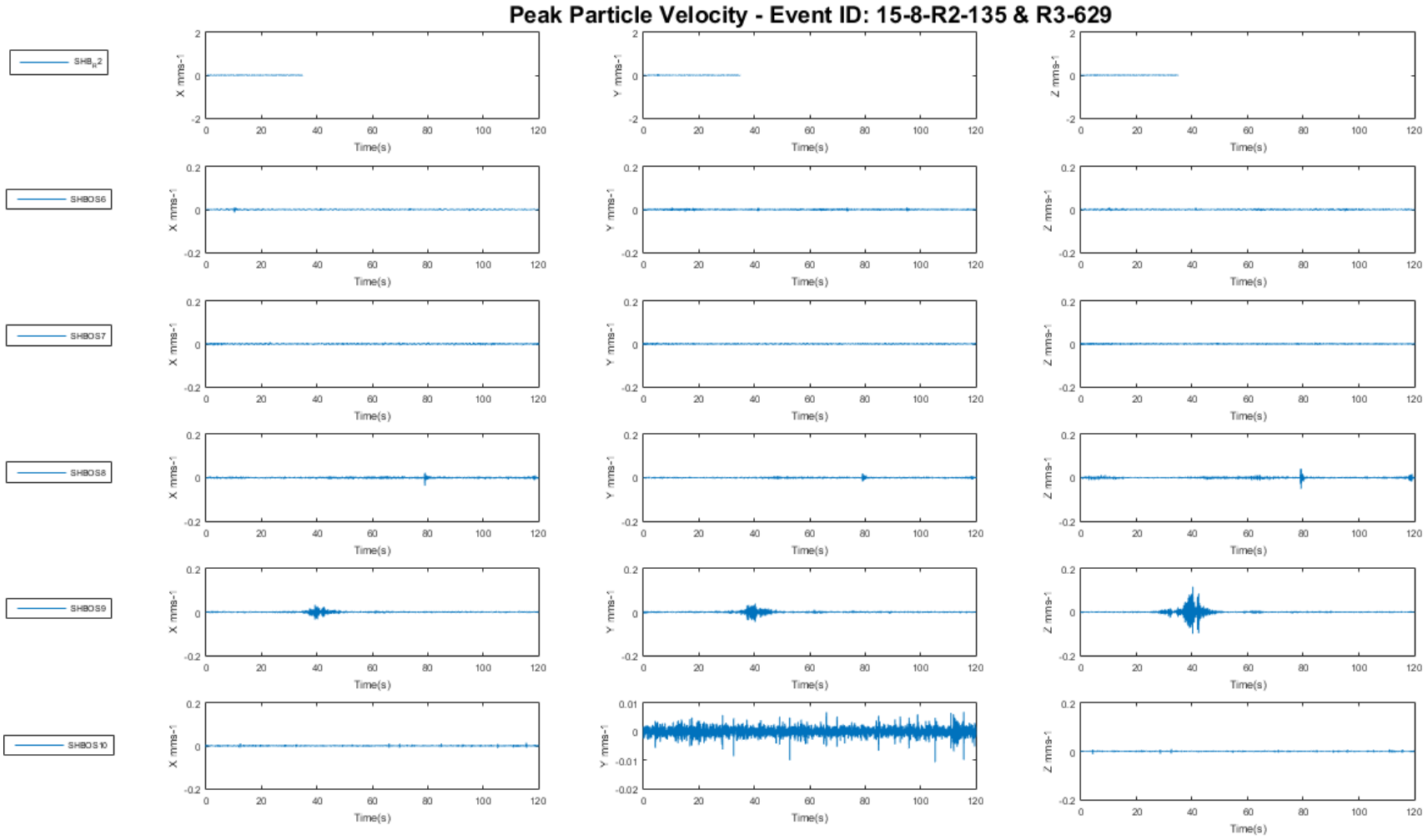


FIGURE 3.1220: SHB_OS 6 - 10 15-8-R2-135 & R3-629

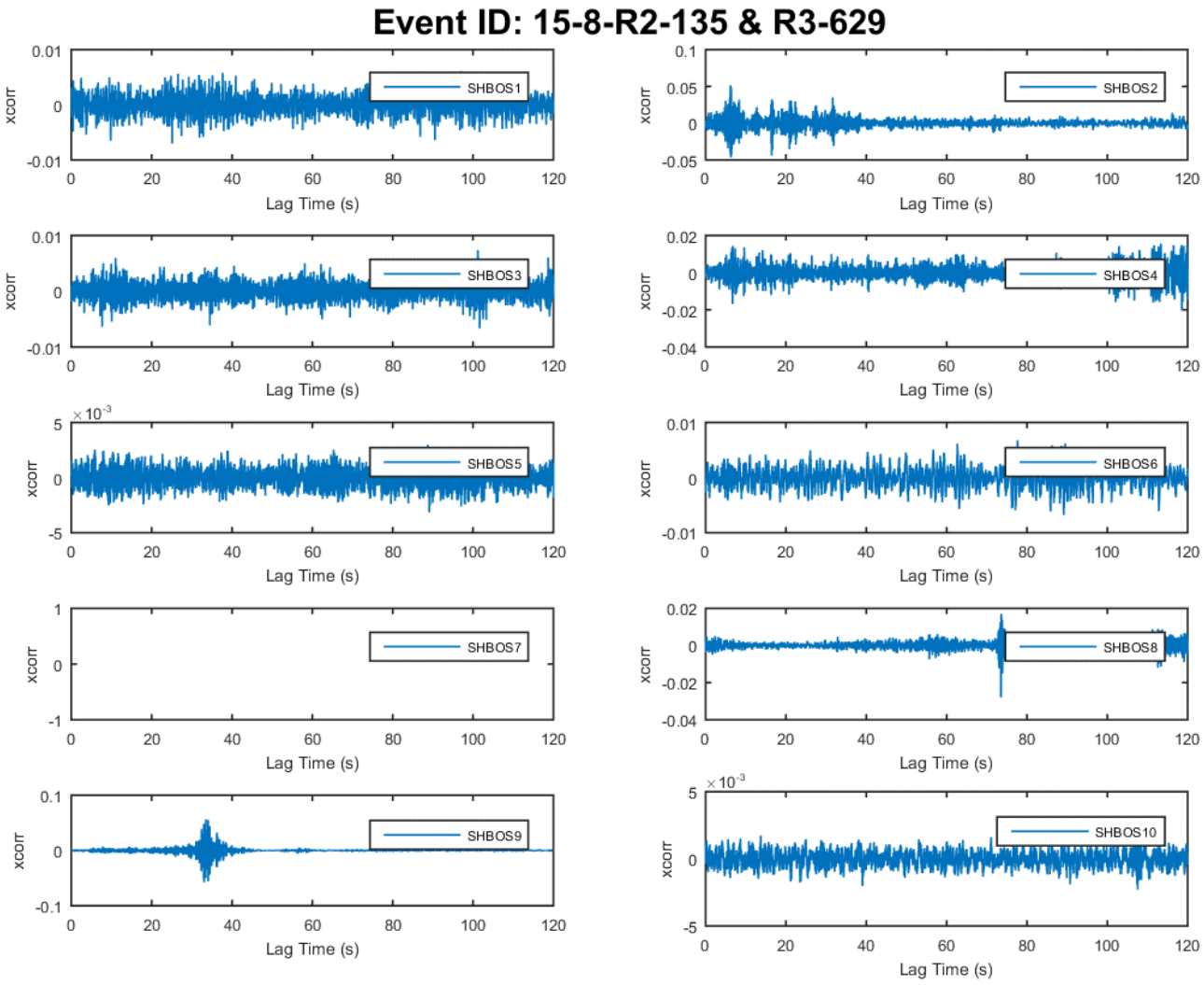


FIGURE 3.1221: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-135 & R3-629

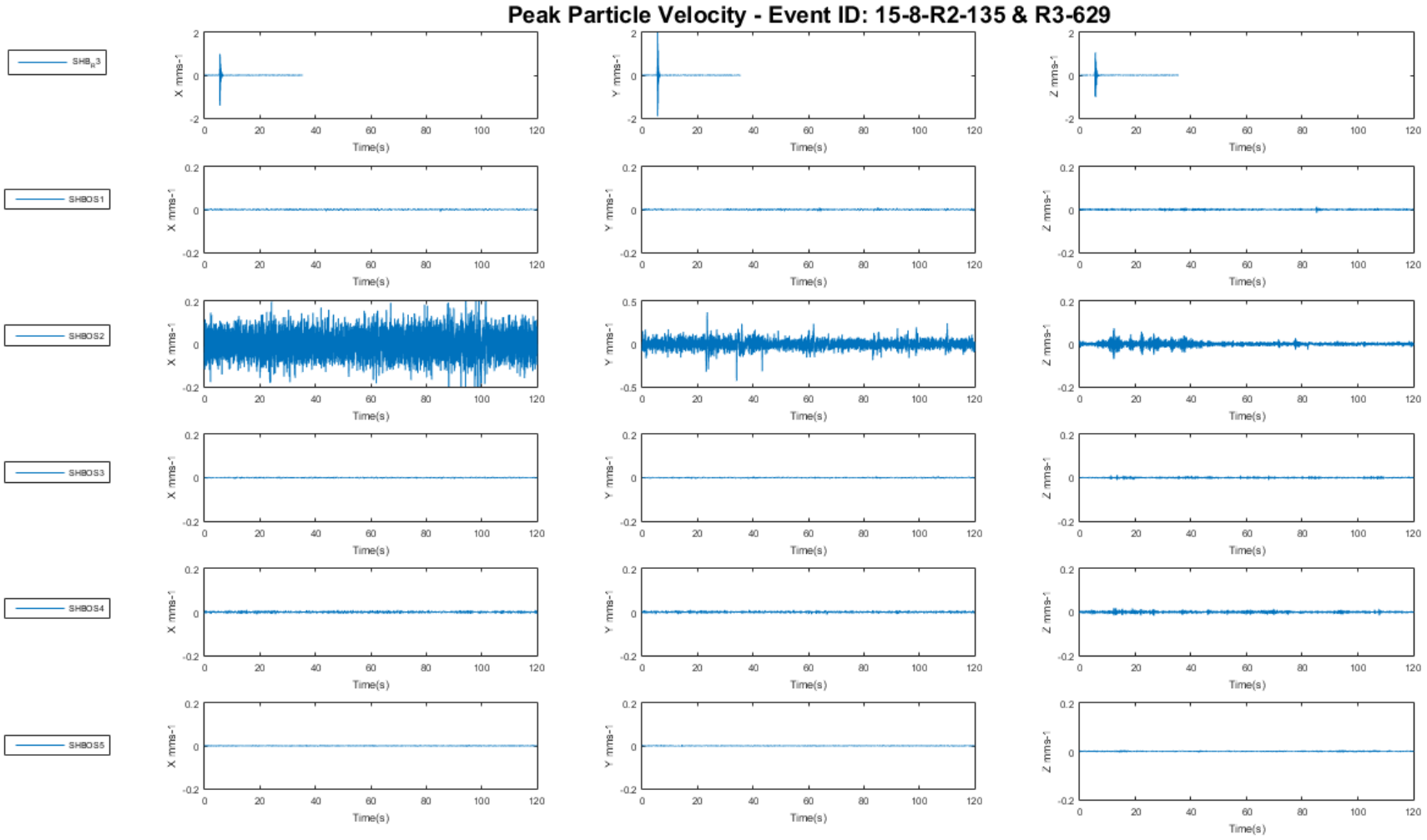


FIGURE 3.1222: SHB_OS 1 - 5 15-8-R2-135 & R3-629

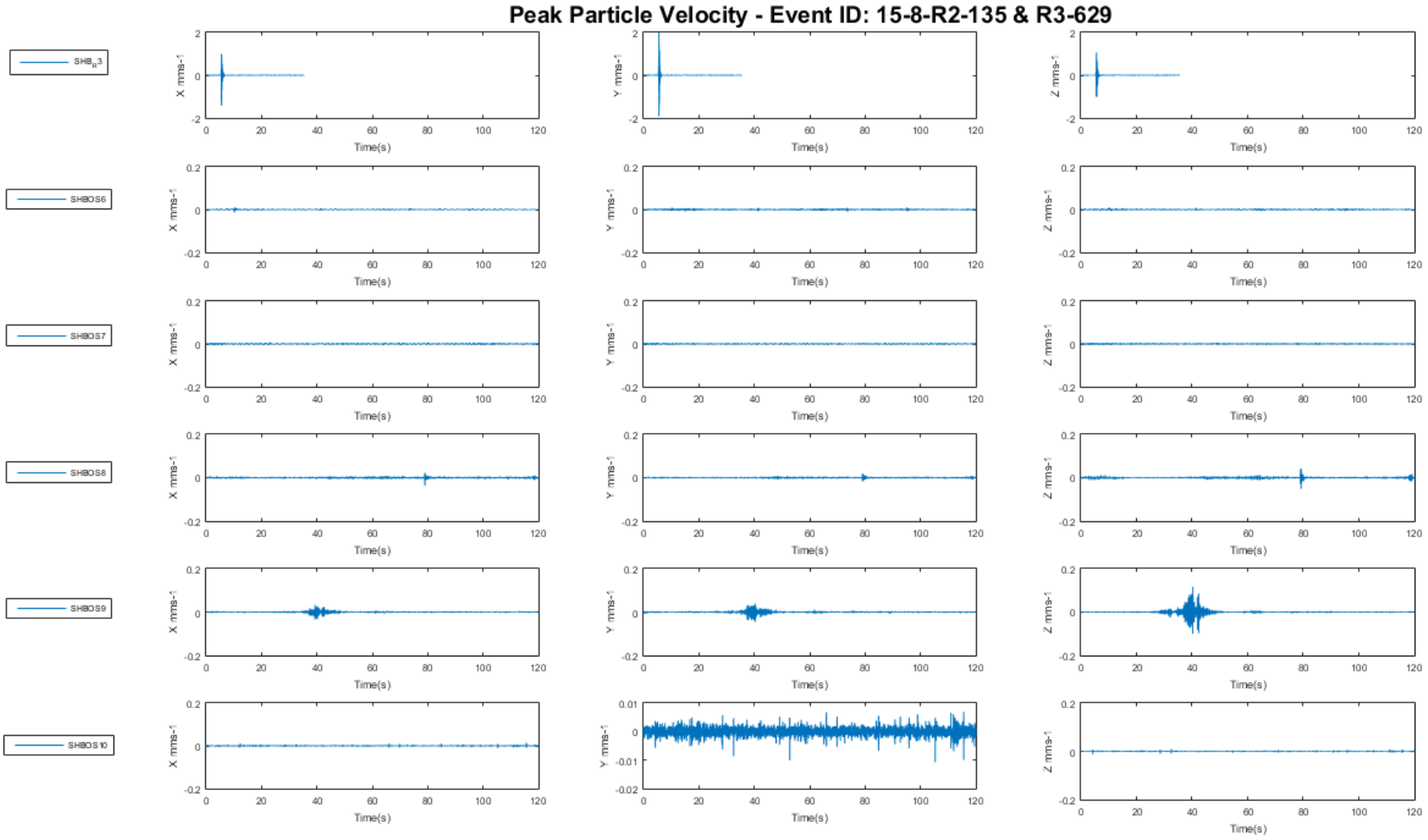


FIGURE 3.1223: SHB_OS 6 - 10 15-8-R2-135 & R3-629

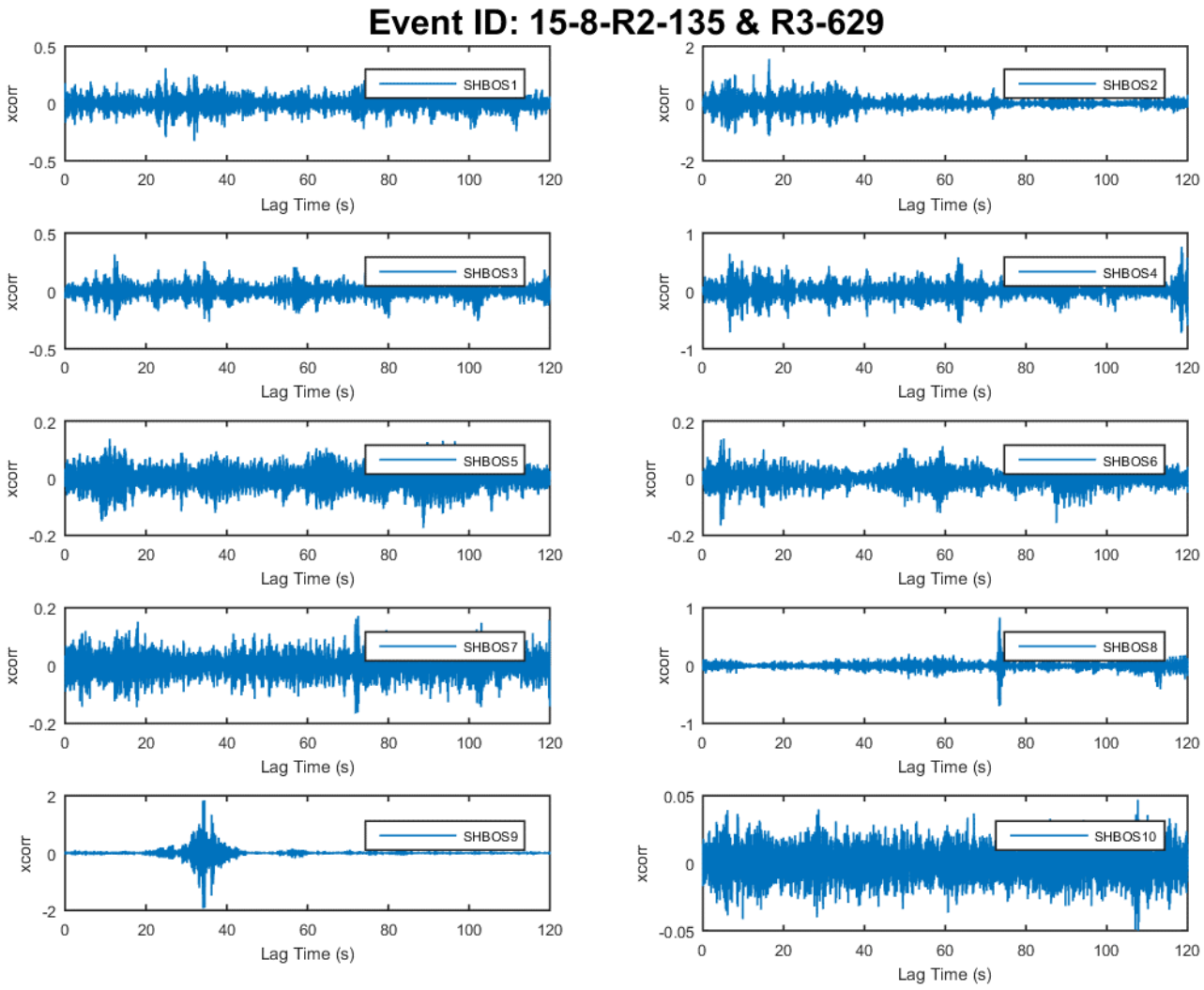


FIGURE 3.1224: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-135 & R3-629

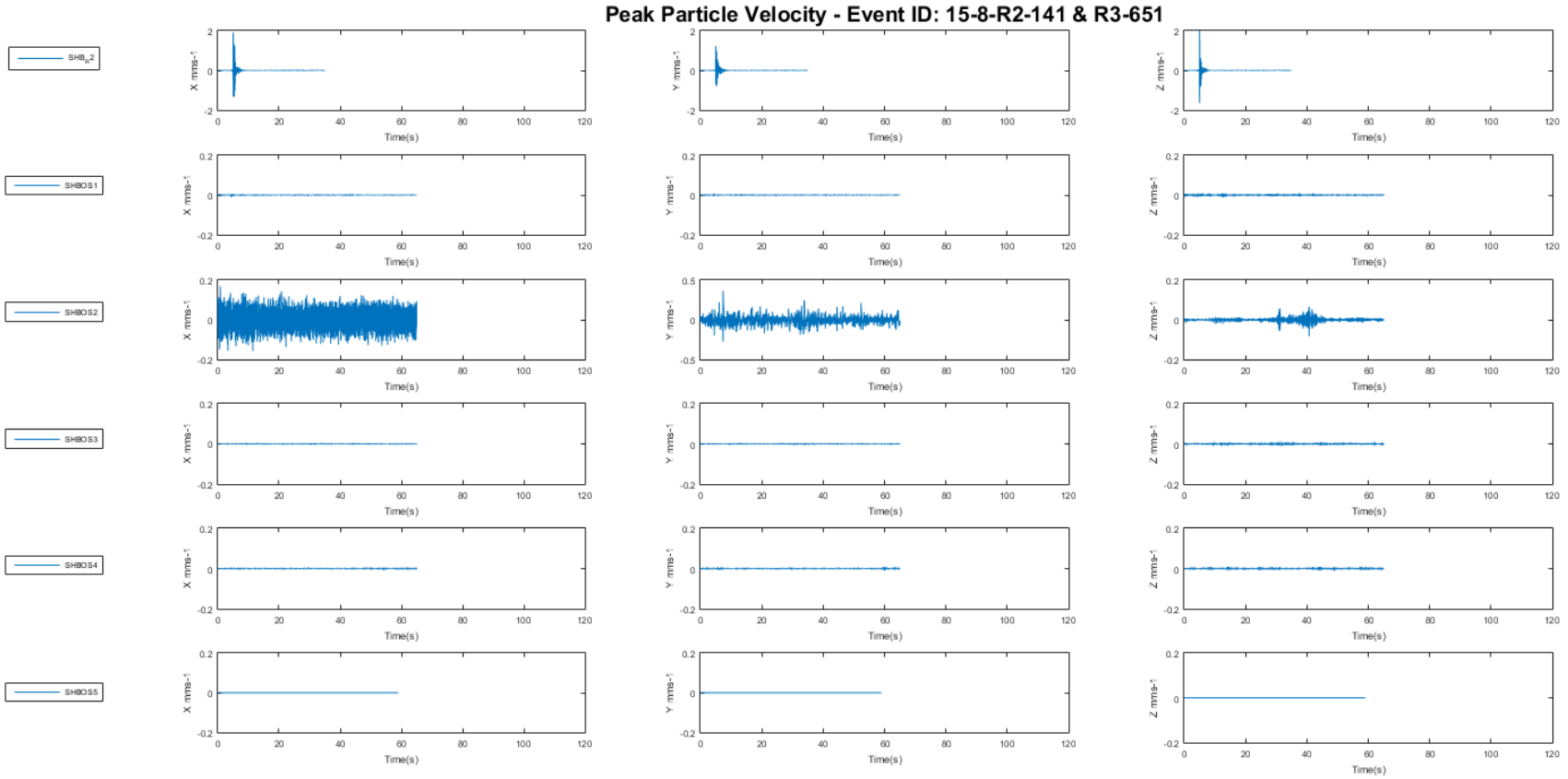
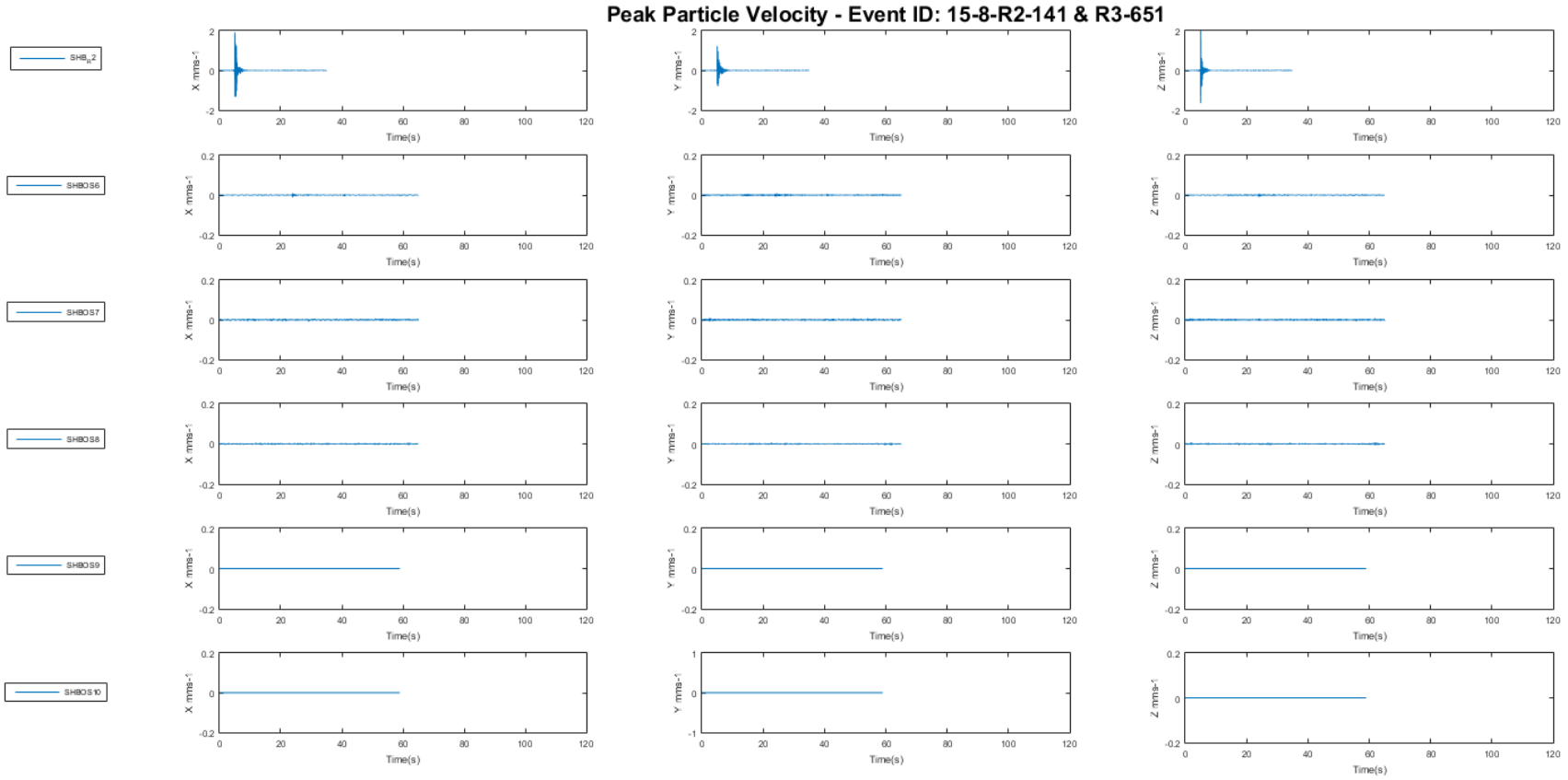


FIGURE 3.1225: SHB_OS 1 - 5 15-8-R2-141 & R3-651

FIGURE 3.1226: SHB_OS 6 - 10 15-8-R2-141 & R3-651



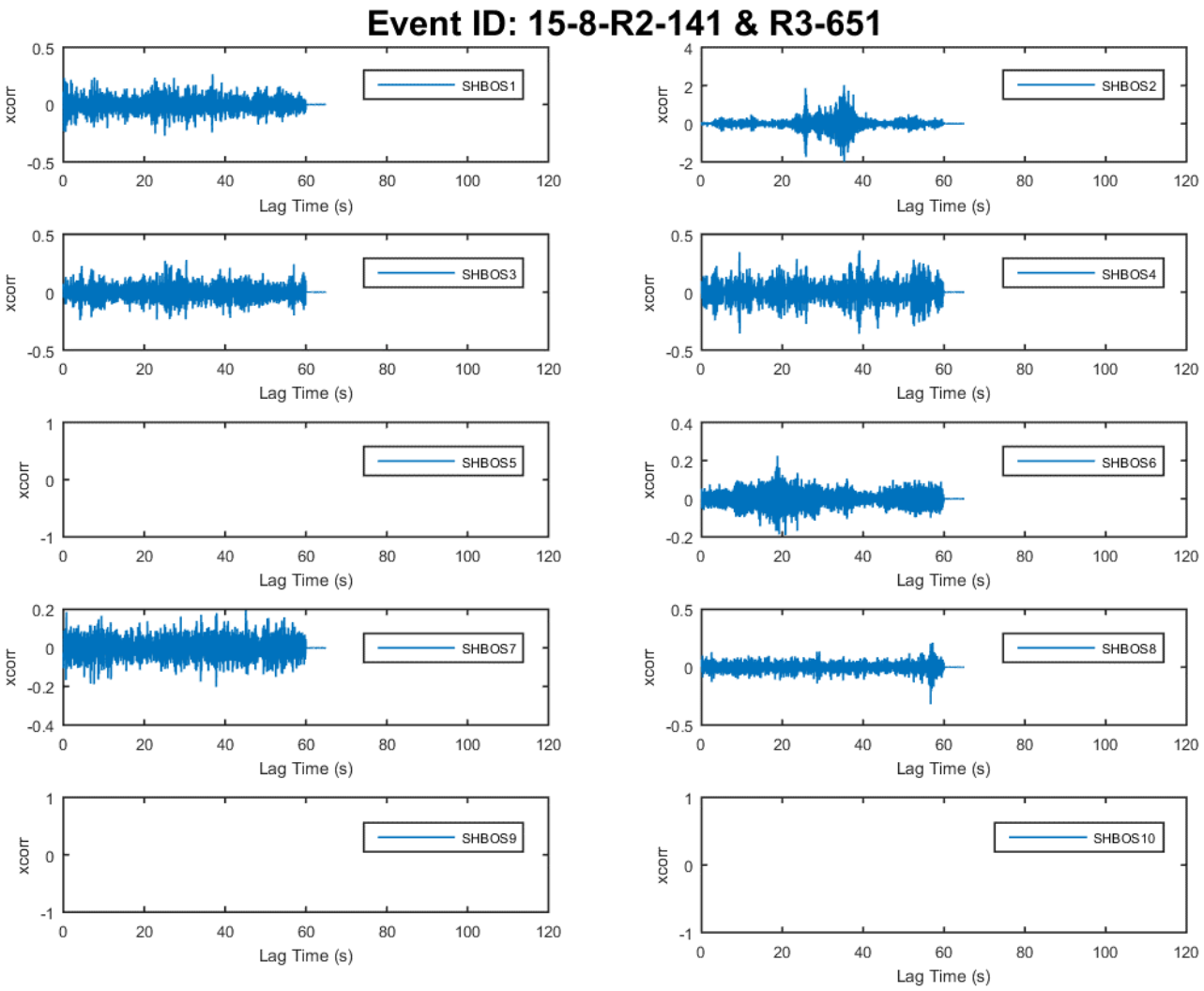


FIGURE 3.1227: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-141 & R3-651

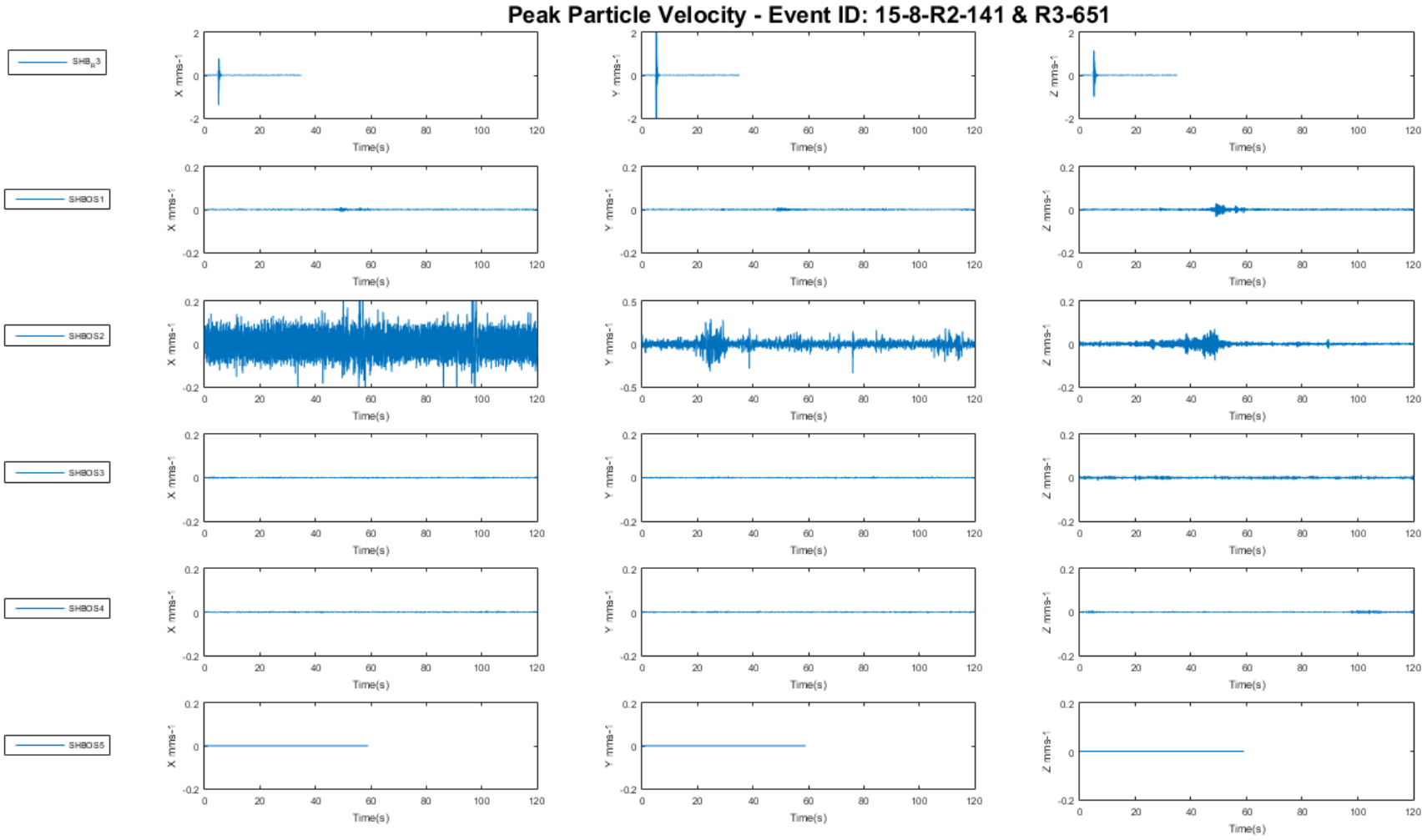


FIGURE 3.1228: SHB_OS 1 - 5 15-8-R2-141 & R3-651

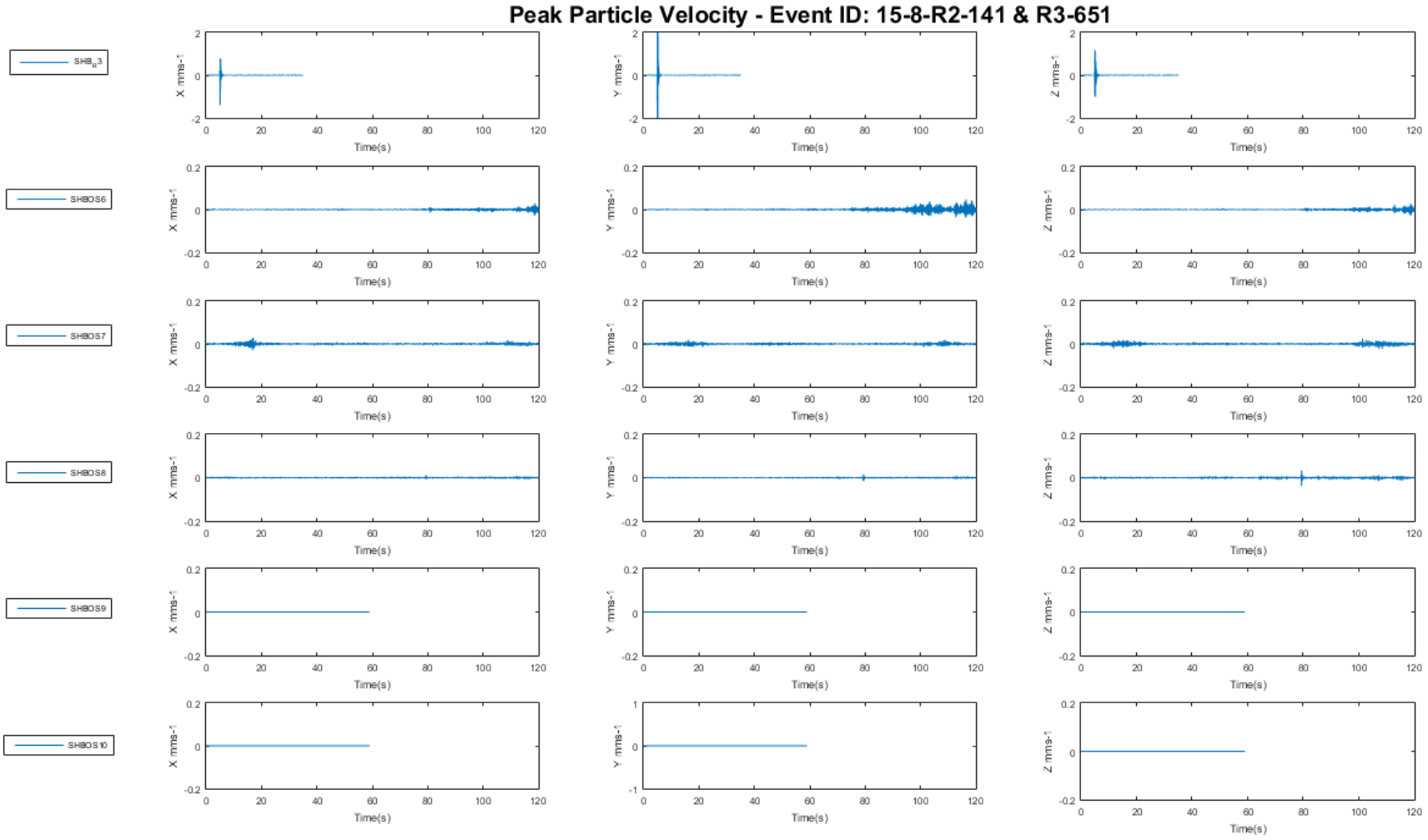


FIGURE 3.1229: SHB_OS 6 - 10 15-8-R2-141 & R3-651

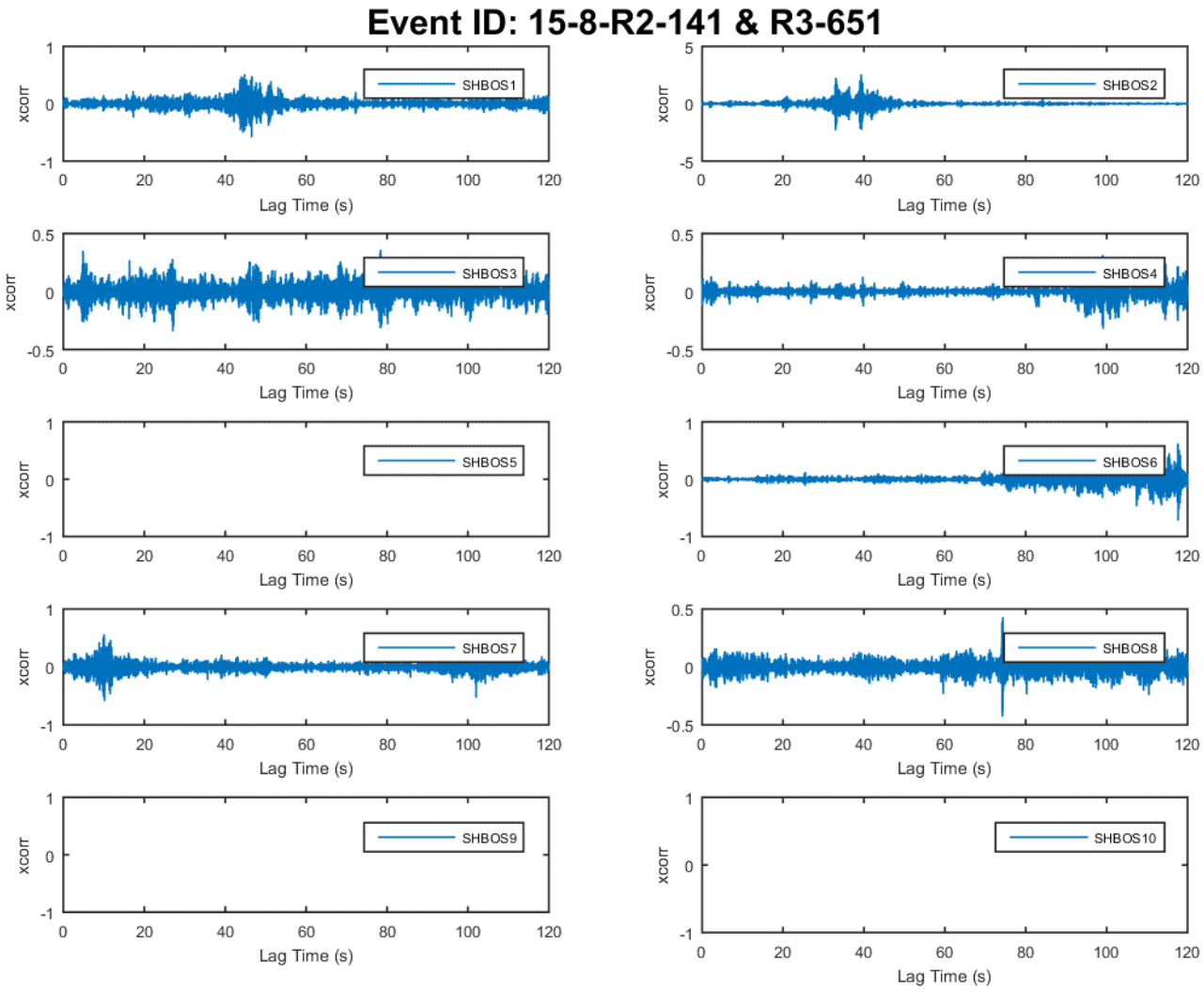


FIGURE 3.1230: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-141 & R3-651

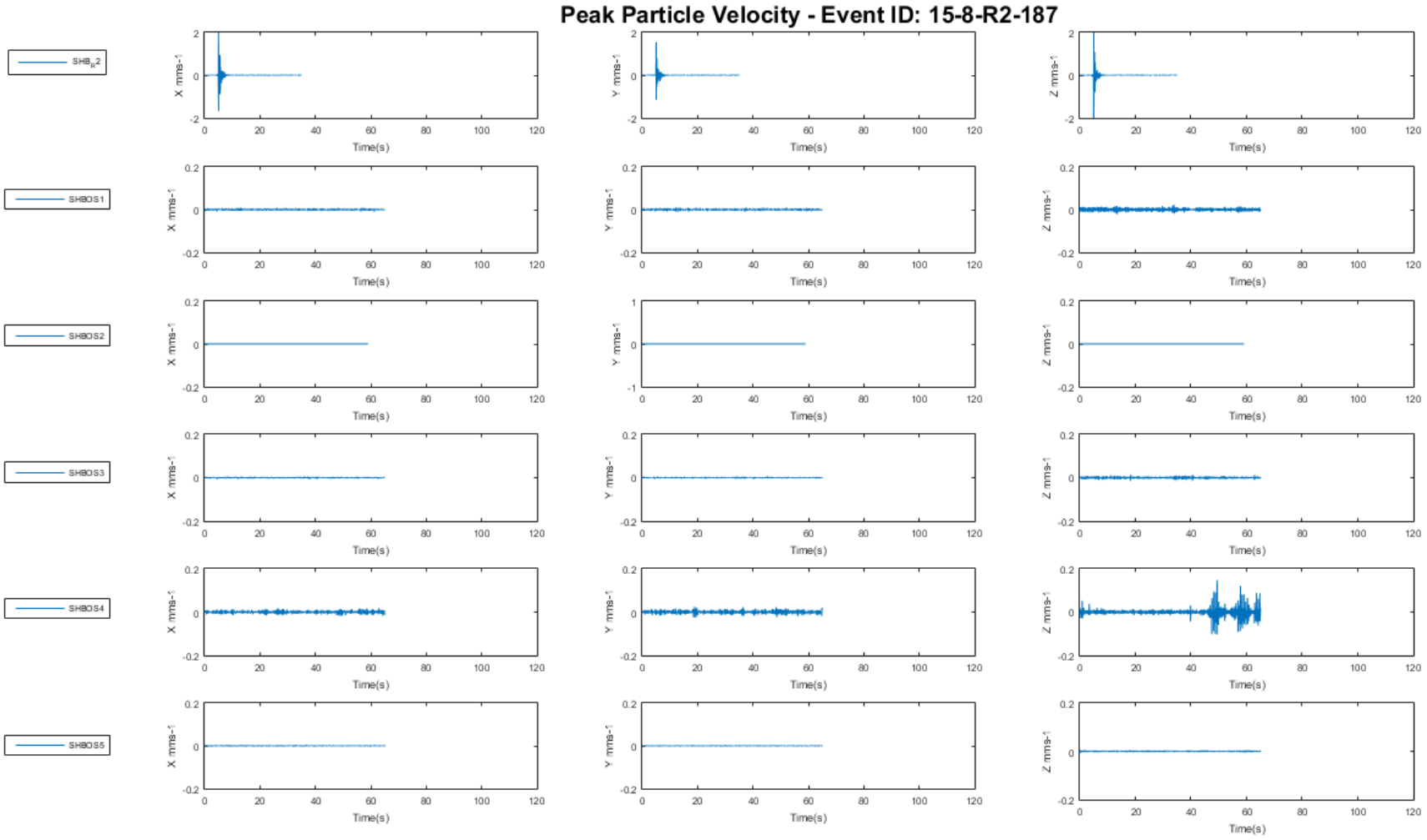


FIGURE 3.1231: SHB_OS 1 - 5 15-8-R2-187

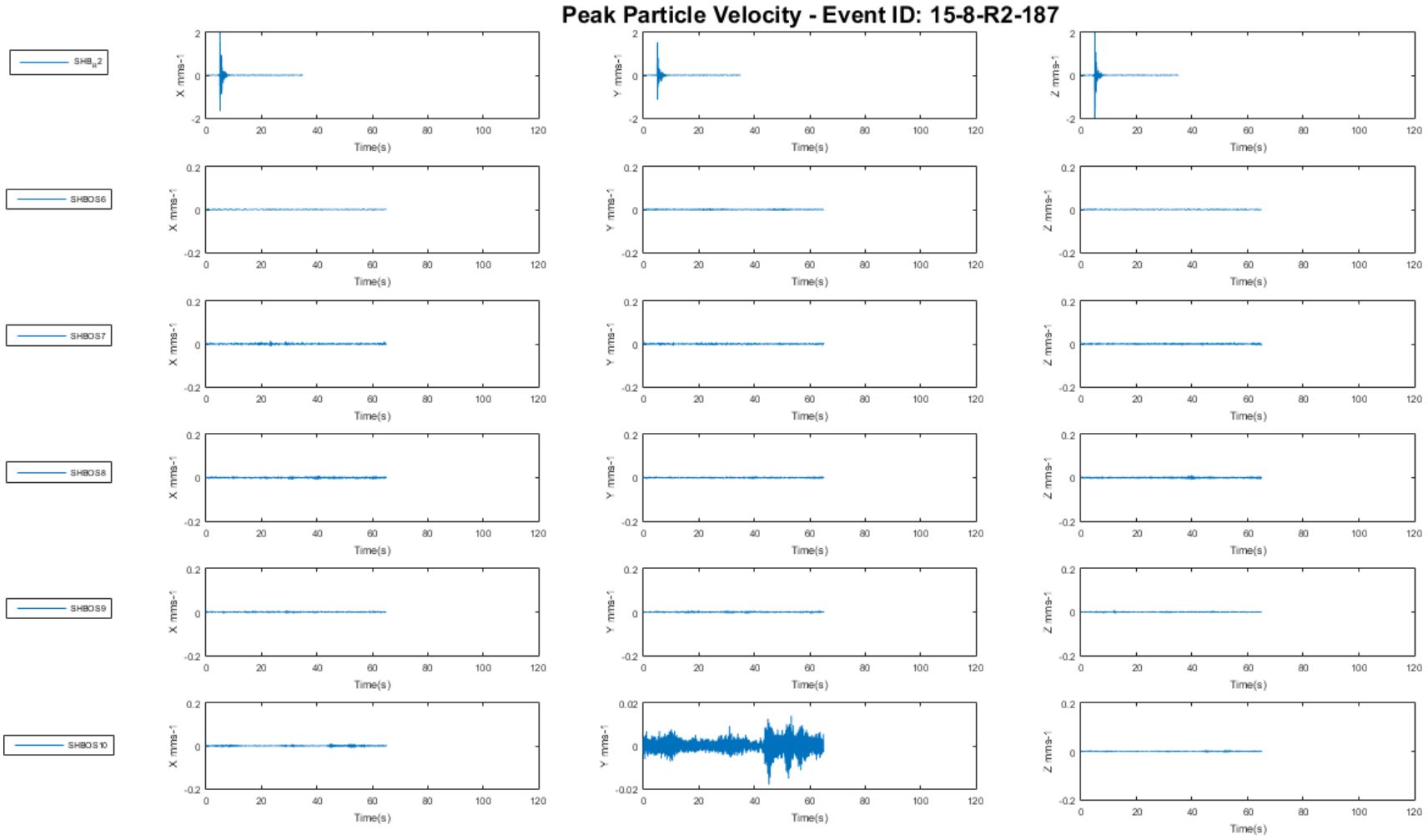


FIGURE 3.1232: SHB_OS 6 - 10 15-8-R2-187

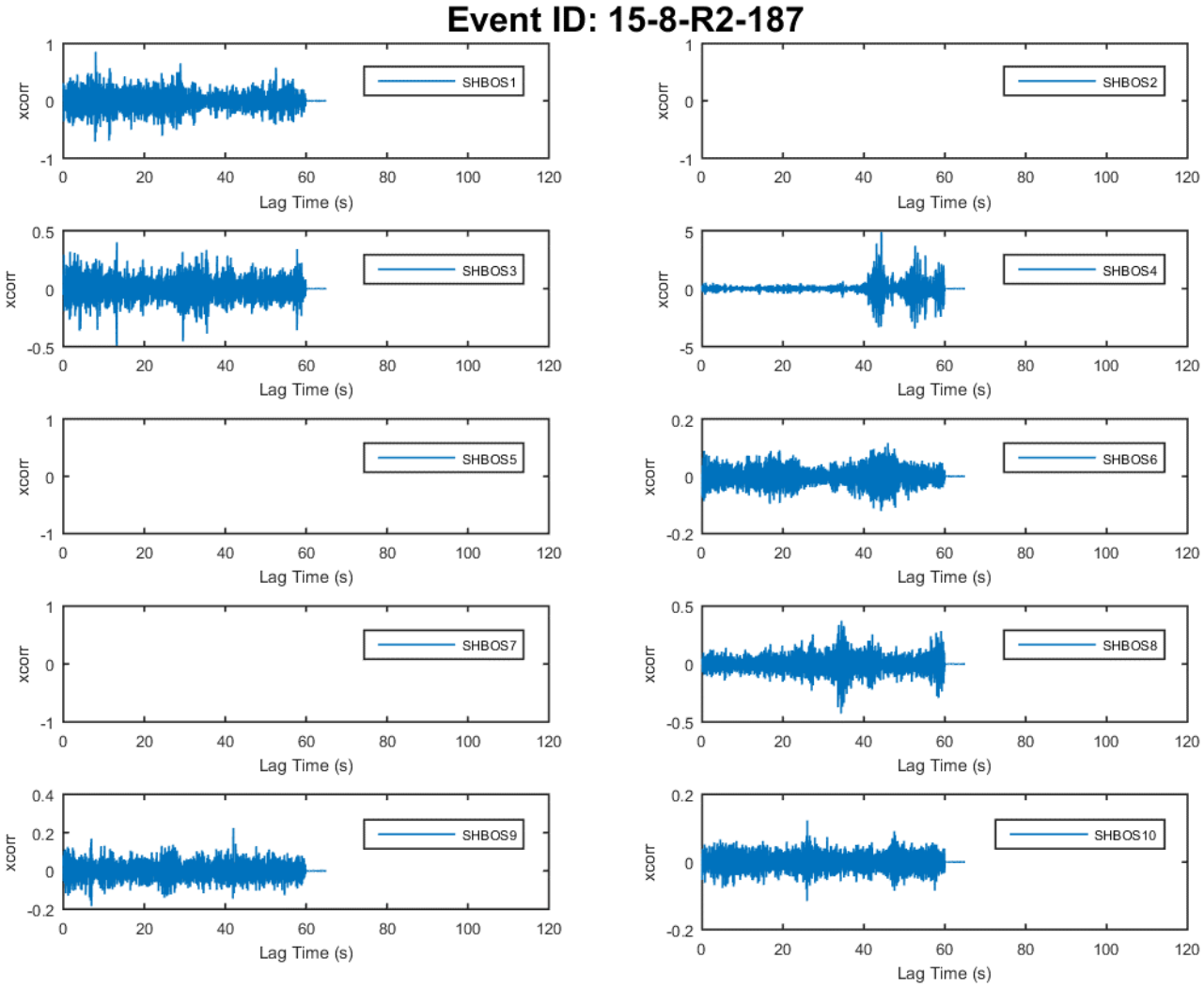


FIGURE 3.1233: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-187

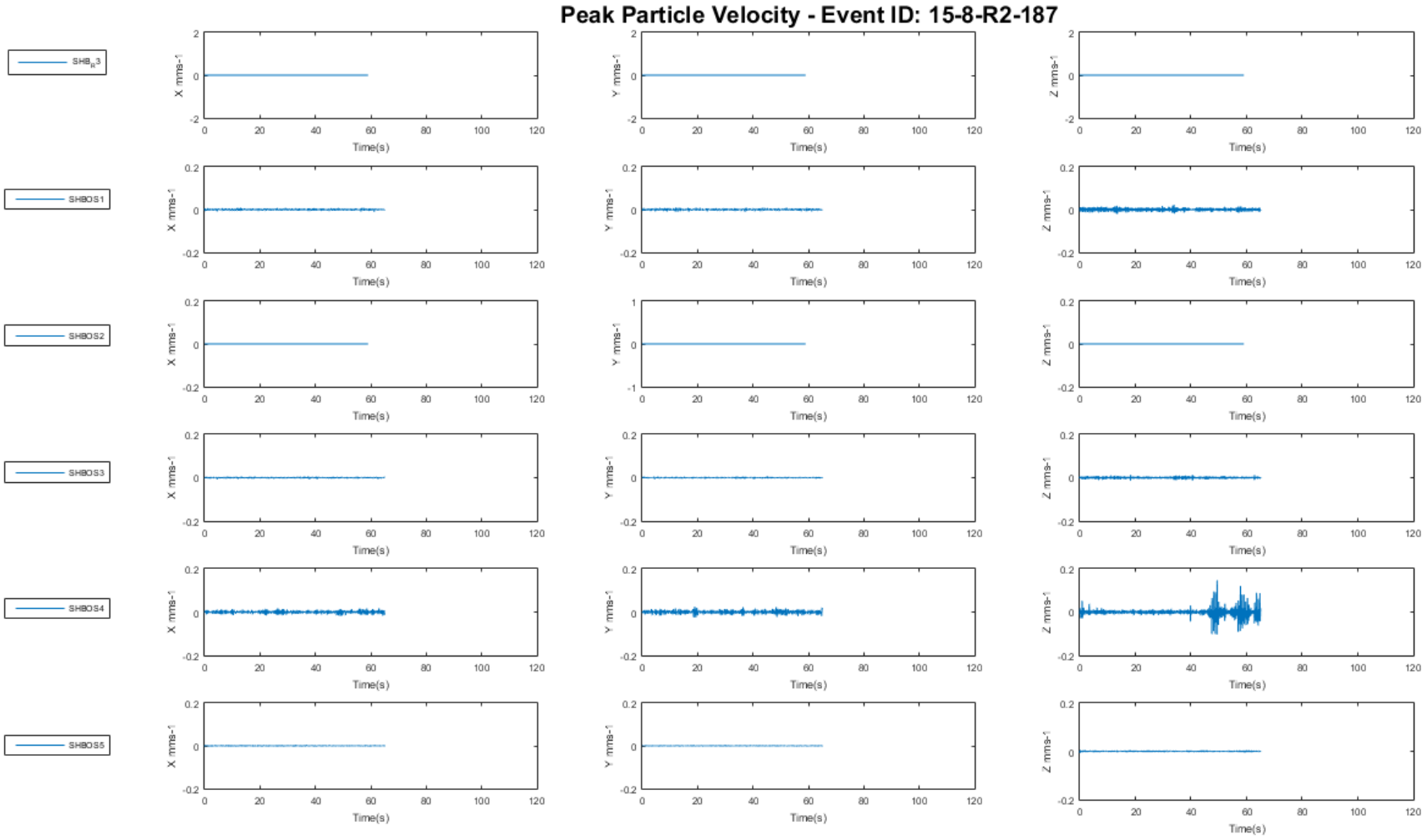


FIGURE 3.1234: SHB_OS 1 - 5 15-8-R2-187

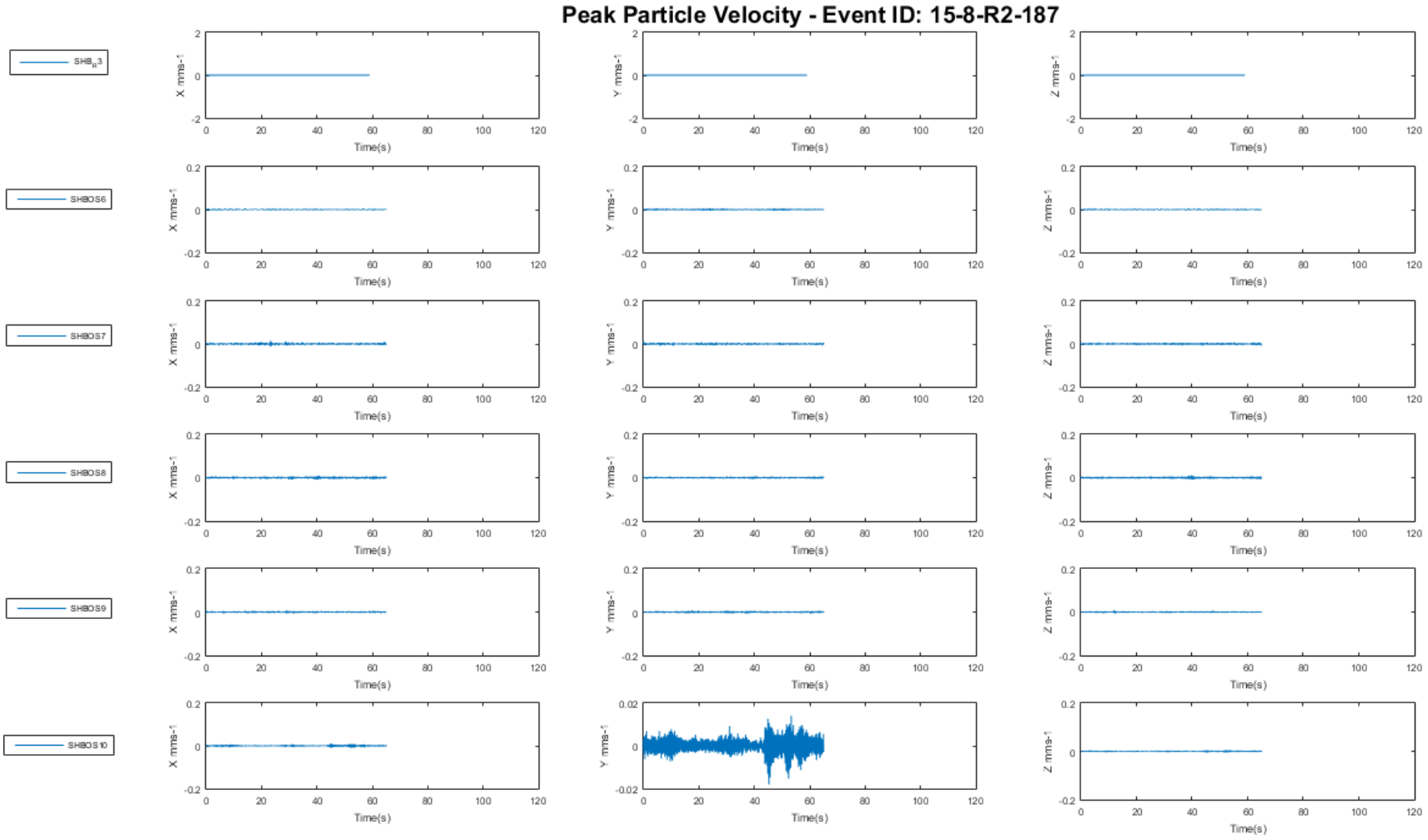


FIGURE 3.1235: SHB_OS 6 - 10 15-8-R2-187

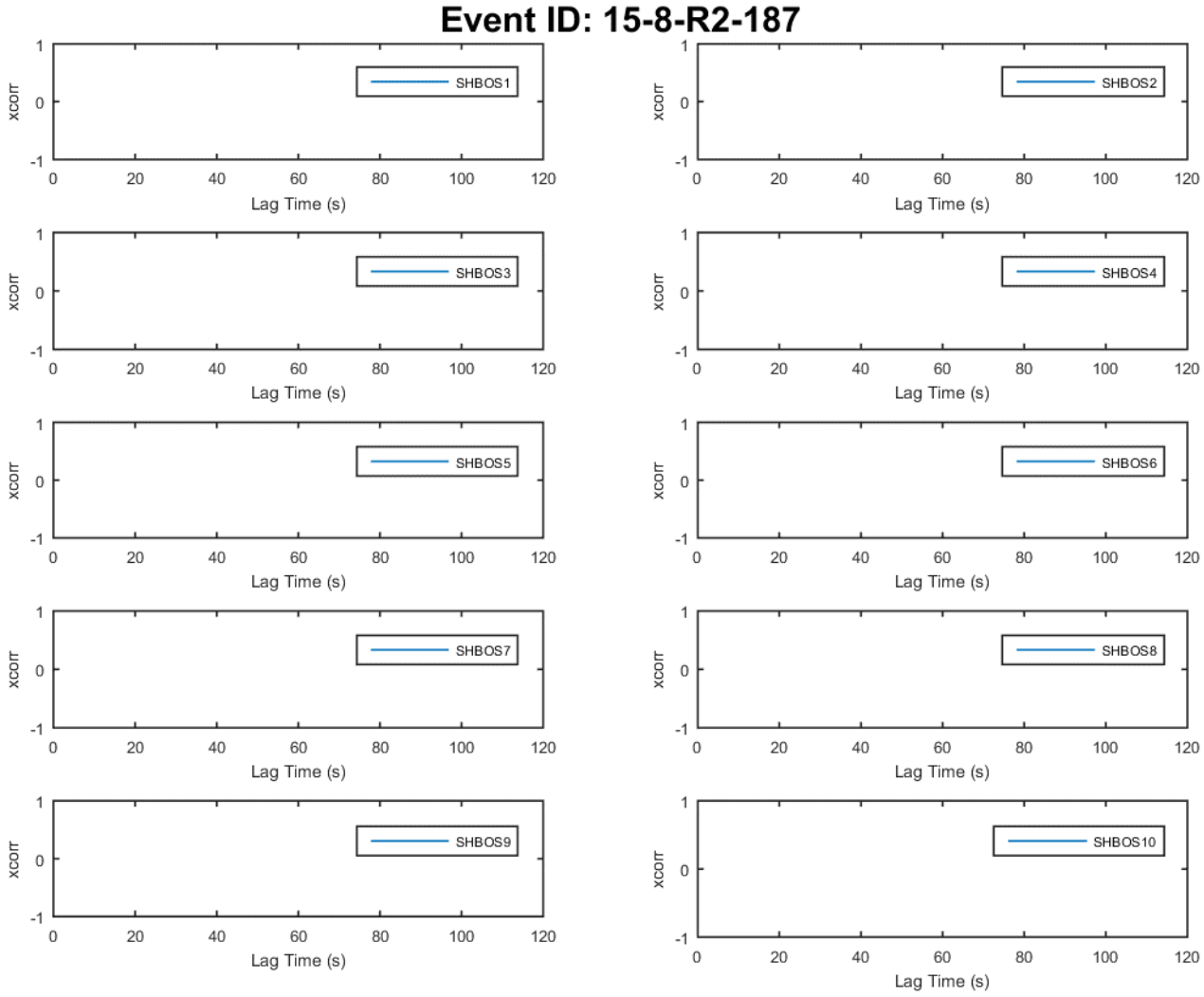


FIGURE 3.1236: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-187

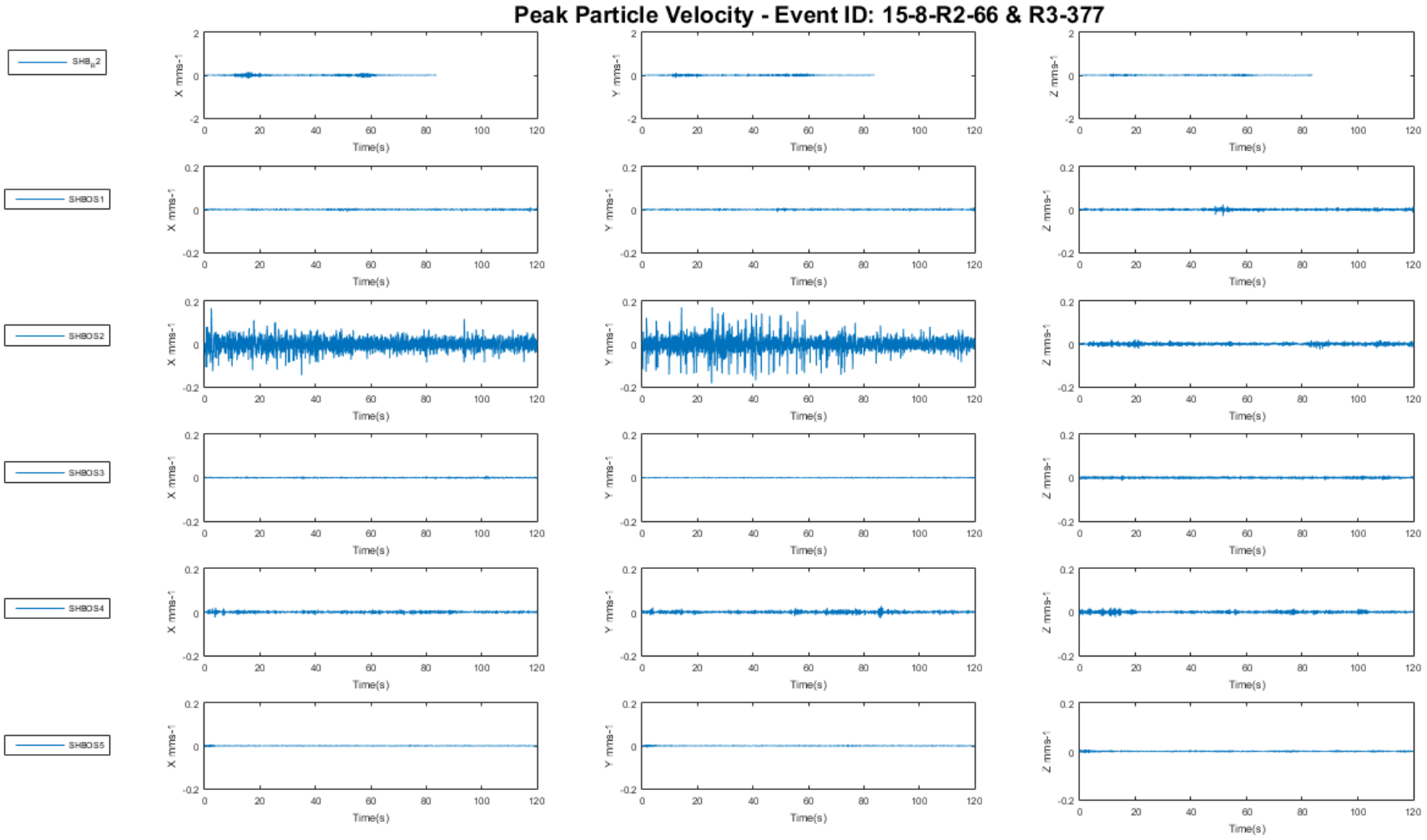


FIGURE 3.1237: SHB_OS 1 - 5 15-8-R2-66 & R3-377

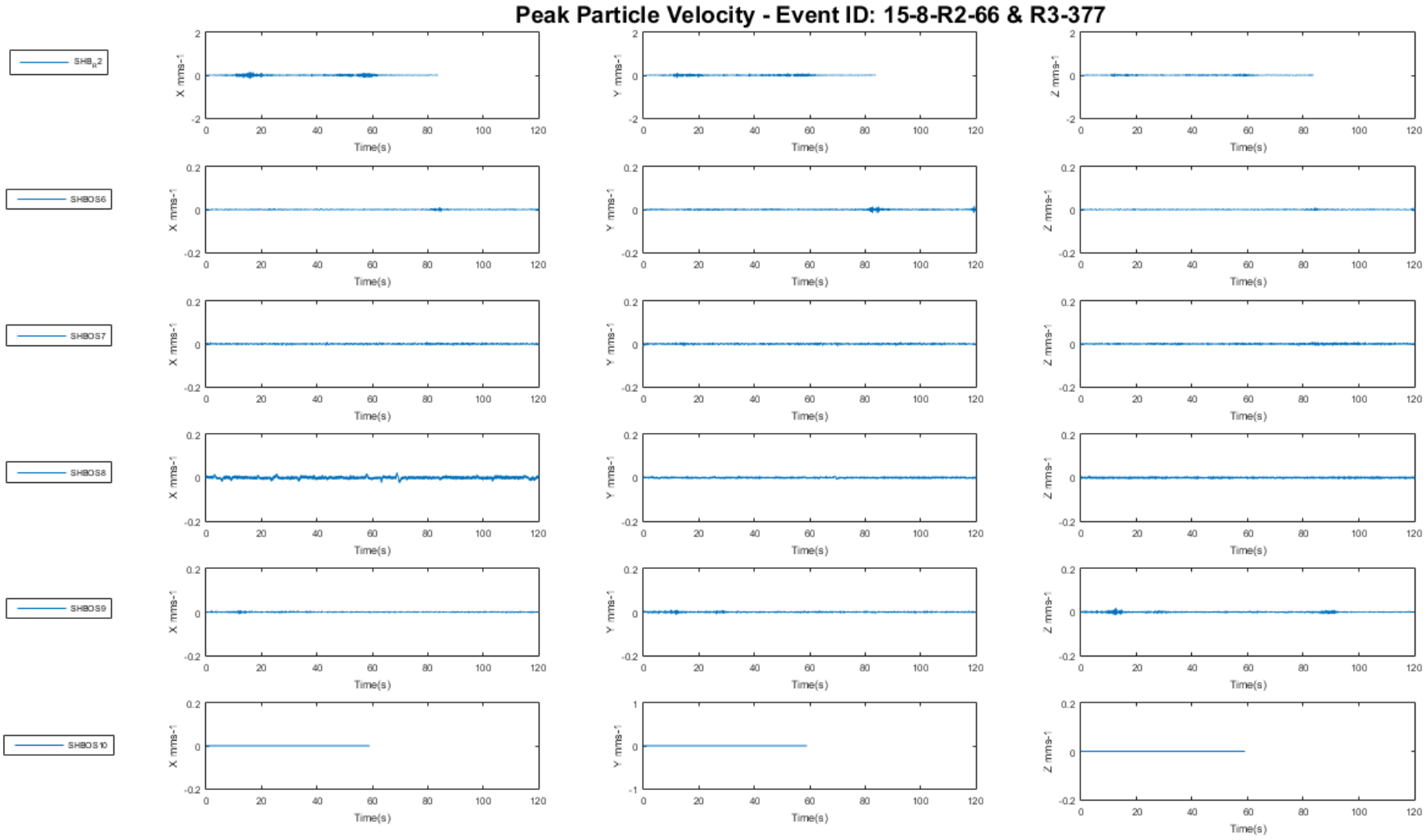


FIGURE 3.1238: SHB_OS 6 - 10 15-8-R2-66 & R3-377

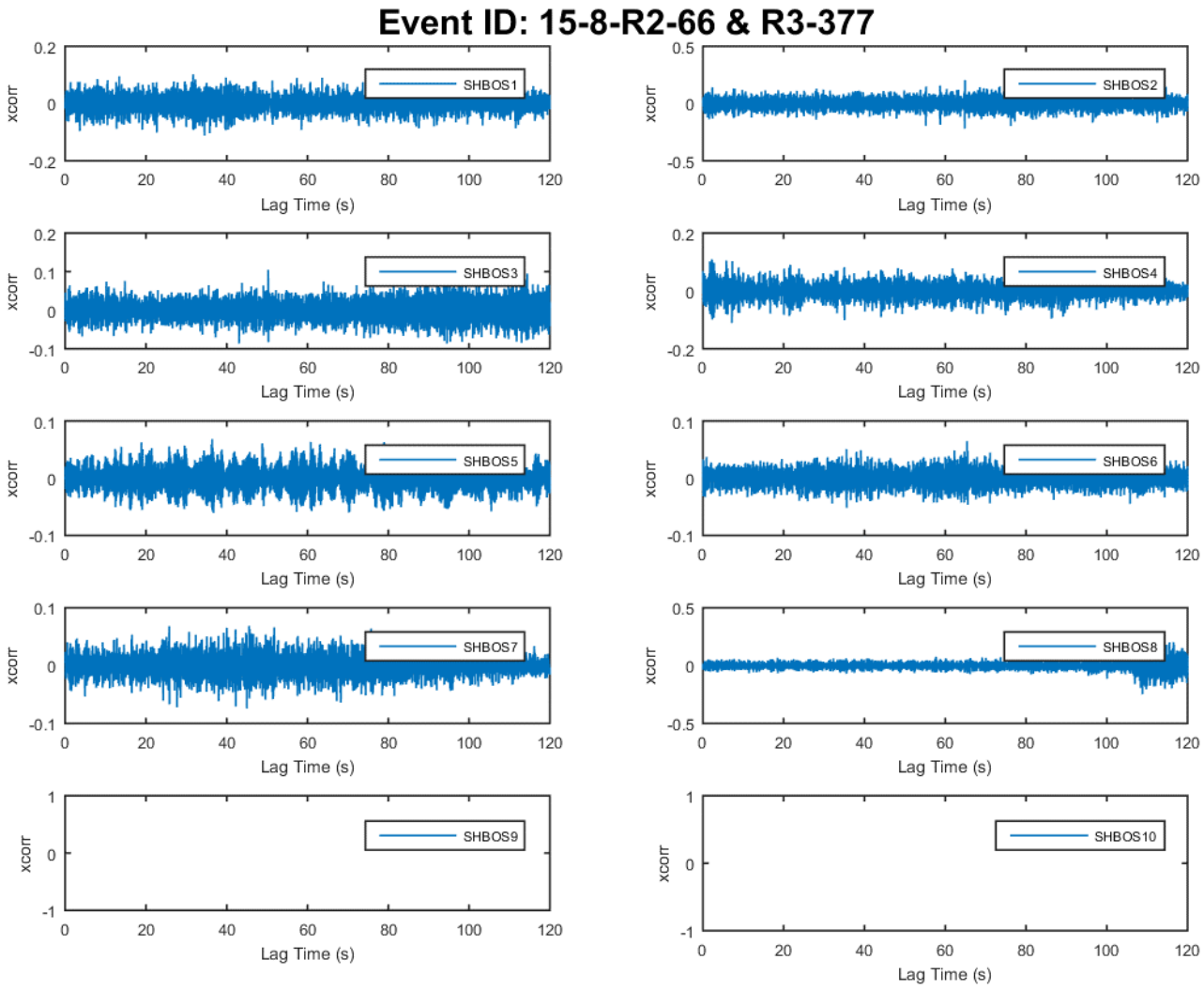


FIGURE 3.1239: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-66 & R3-377

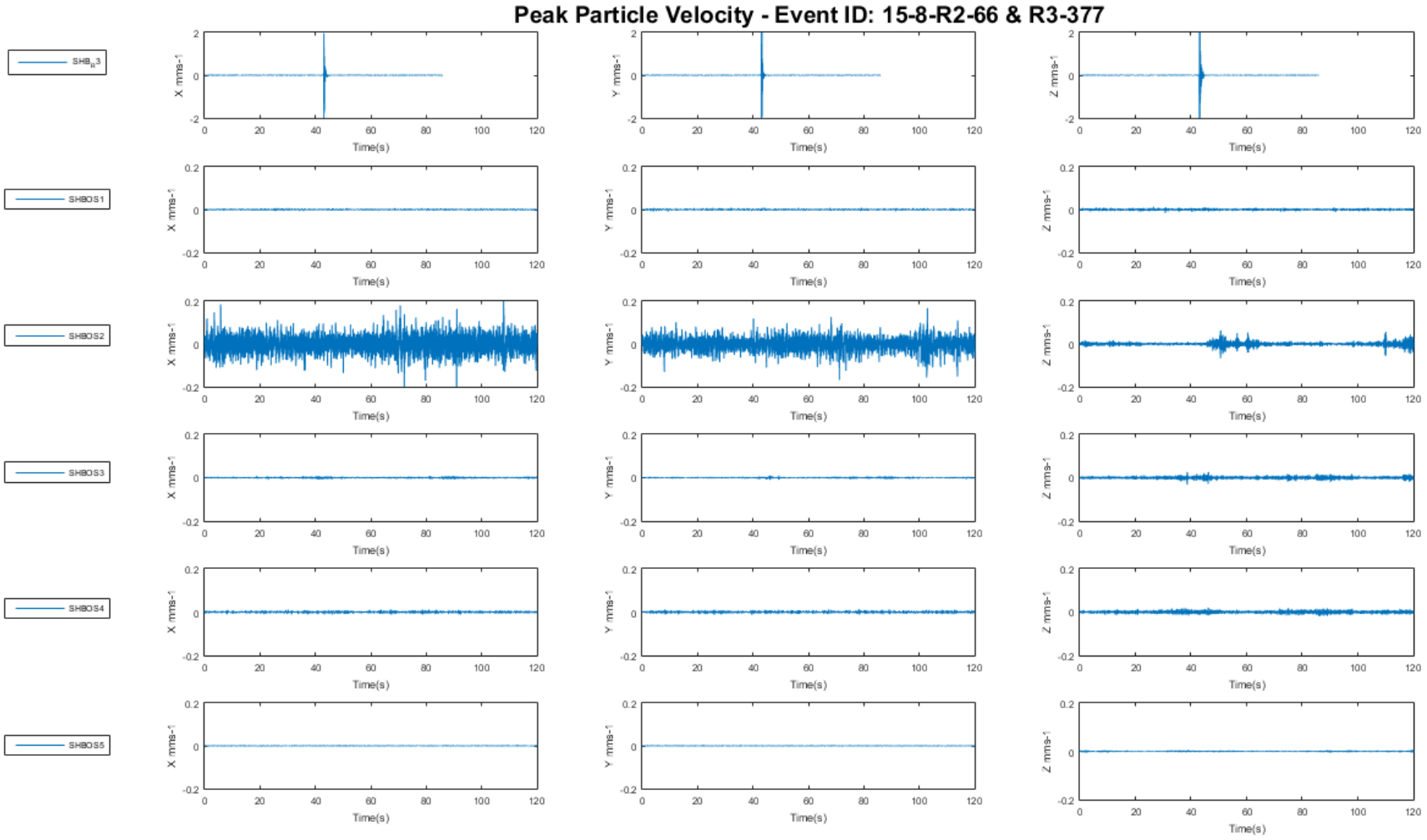


FIGURE 3.1240: SHB_OS 1 - 5 15-8-R2-66 & R3-377

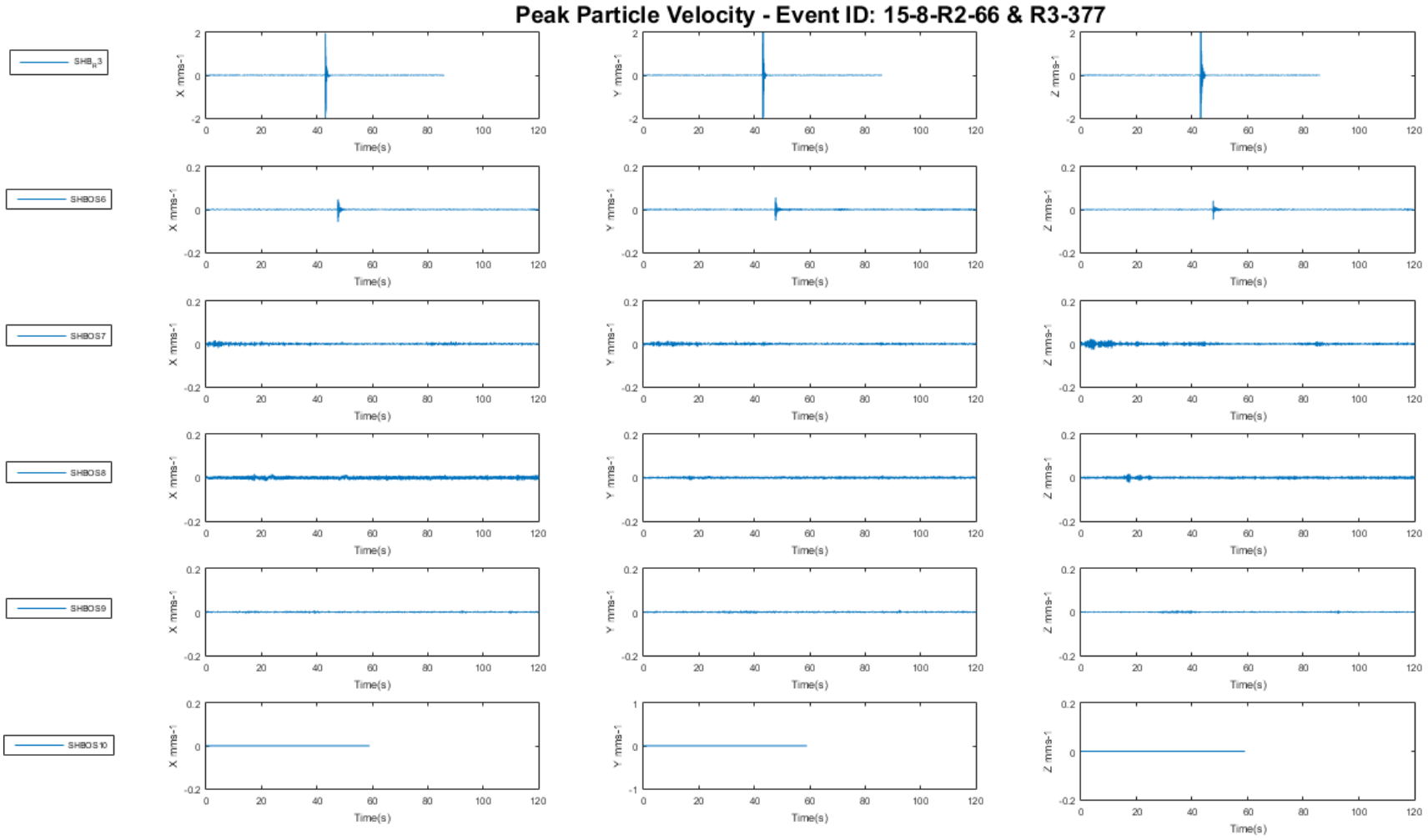


FIGURE 3.1241: SHB_OS 6 - 10 15-8-R2-66 & R3-377

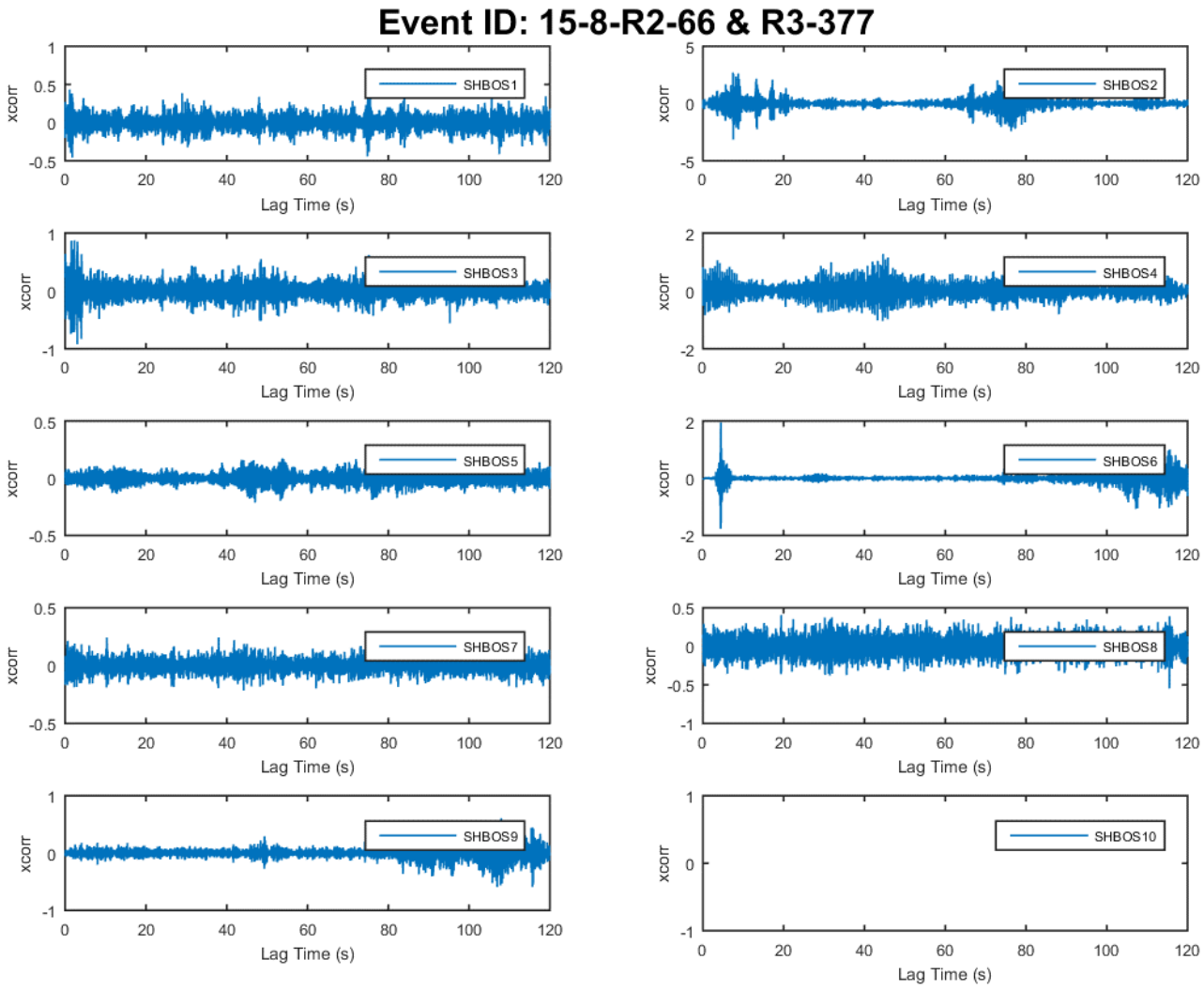


FIGURE 3.1242: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-66 & R3-377

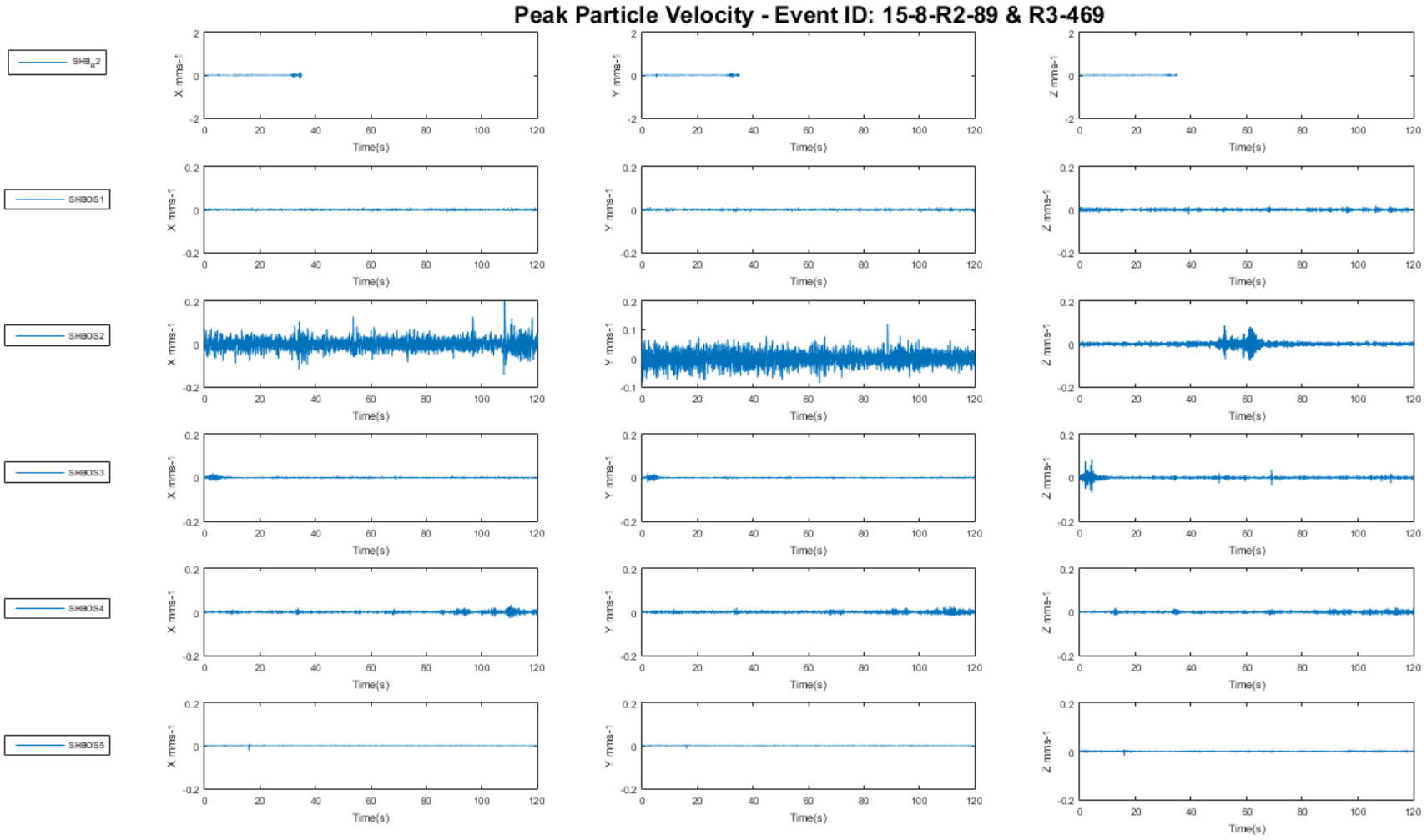


FIGURE 3.1243: SHB_OS 1 - 5 15-8-R2-89 & R3-469

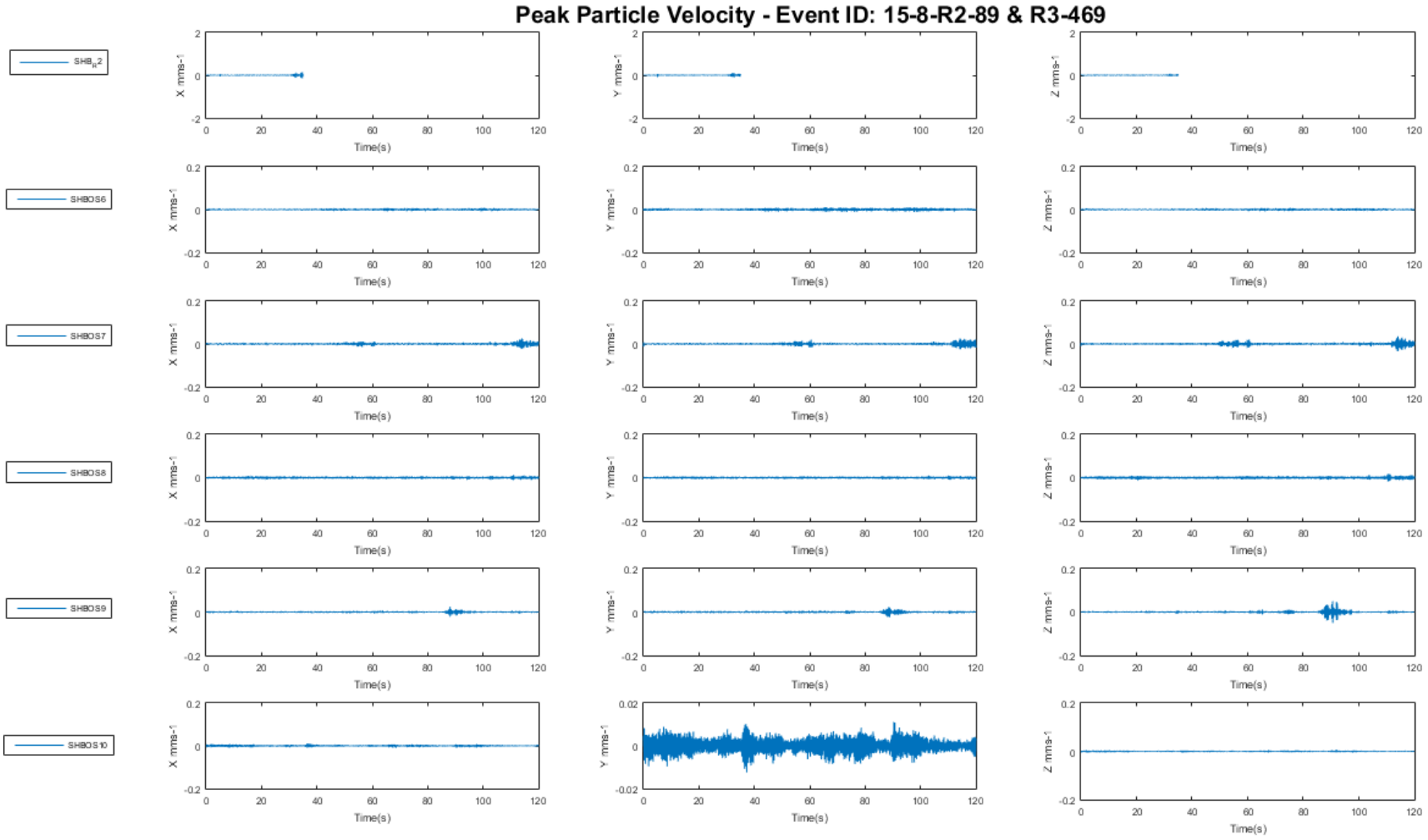


FIGURE 3.1244: SHB_OS 6 - 10 15-8-R2-89 & R3-469

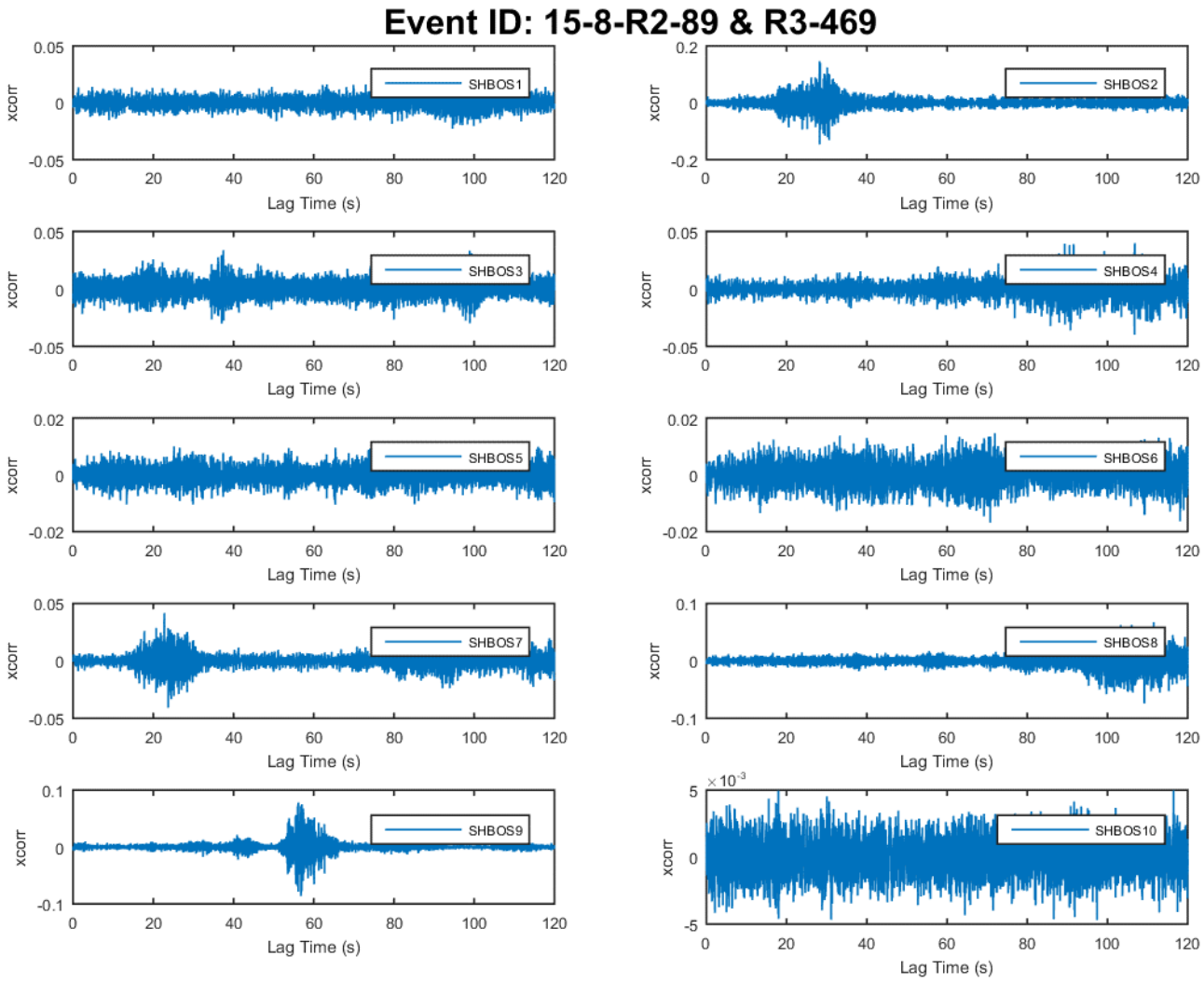


FIGURE 3.1245: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-89 & R3-469

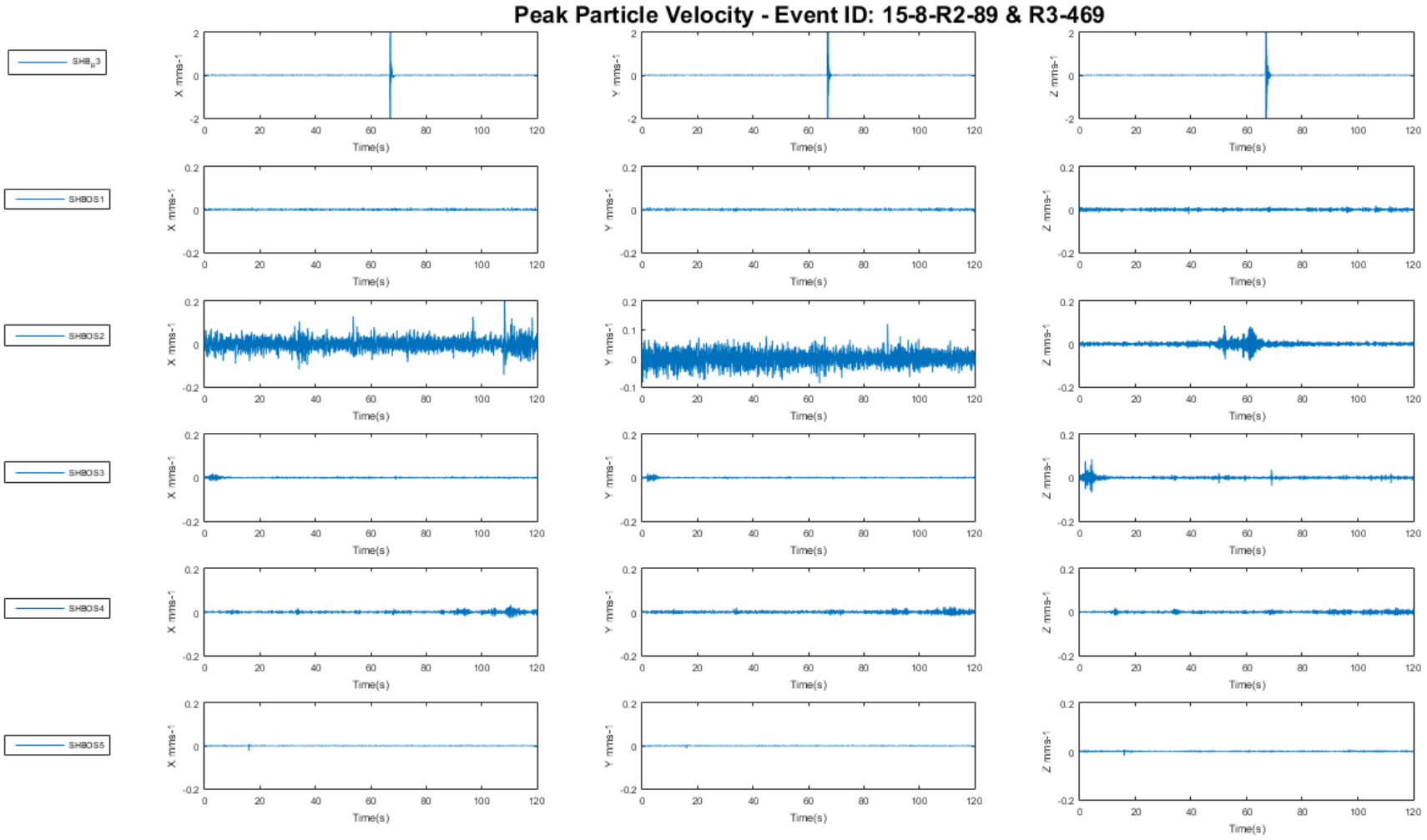


FIGURE 3.1246: SHB_OS 1 - 5 15-8-R2-89 & R3-469

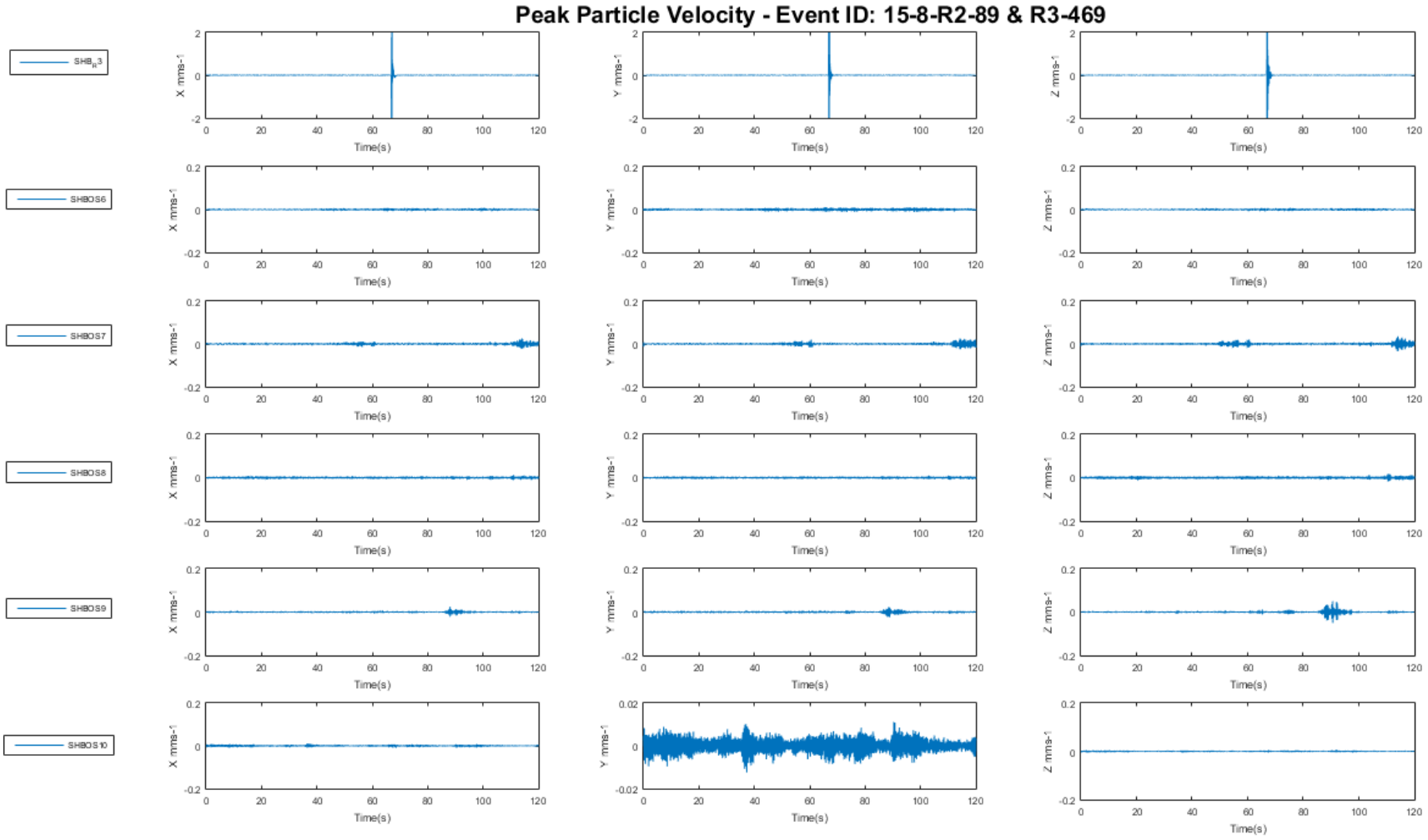


FIGURE 3.1247: SHB_OS 6 - 10 15-8-R2-89 & R3-469

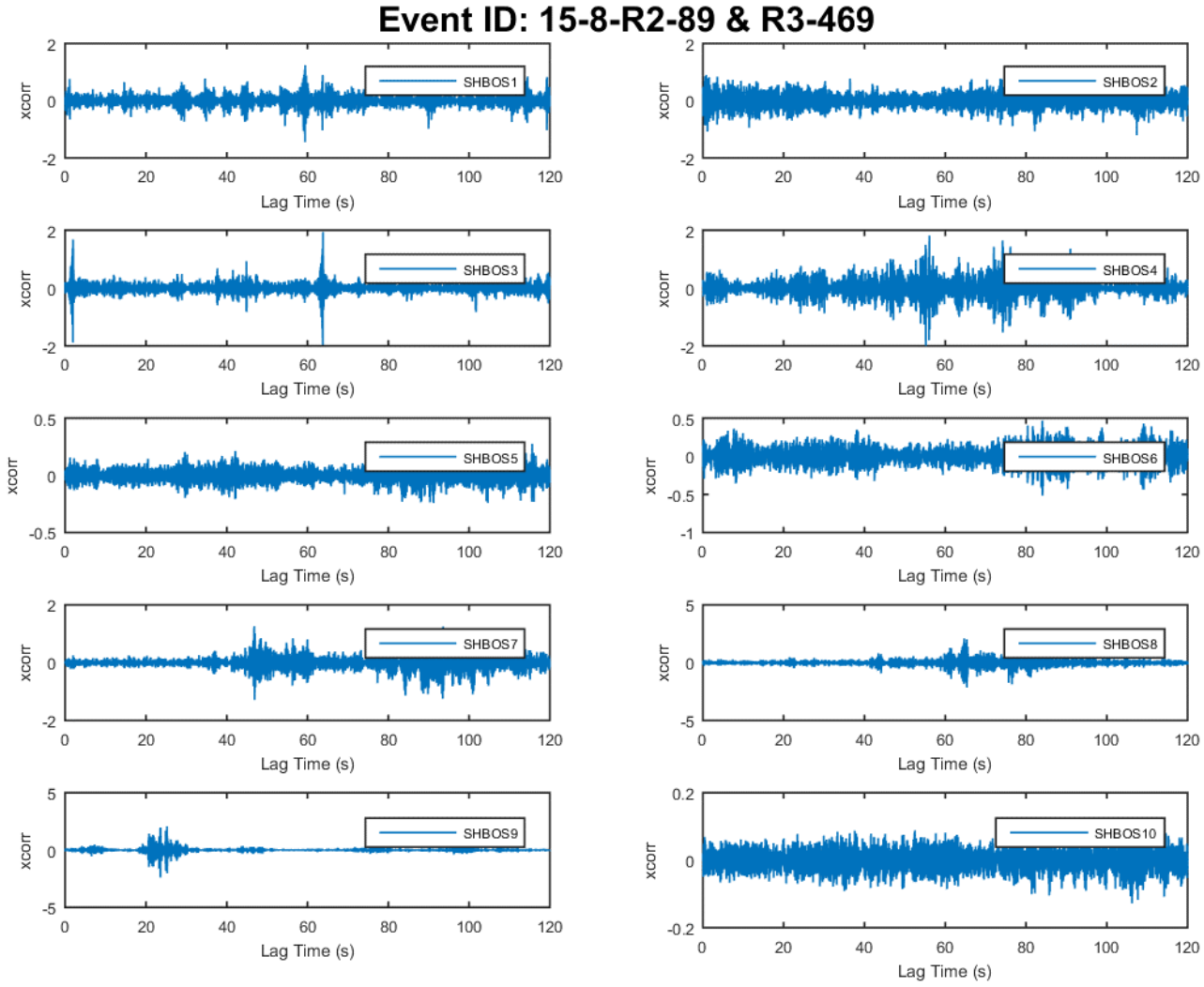


FIGURE 3.1248: CROSS CORRELATION SHB_OS 1 - 10 15-8-R2-89 & R3-469

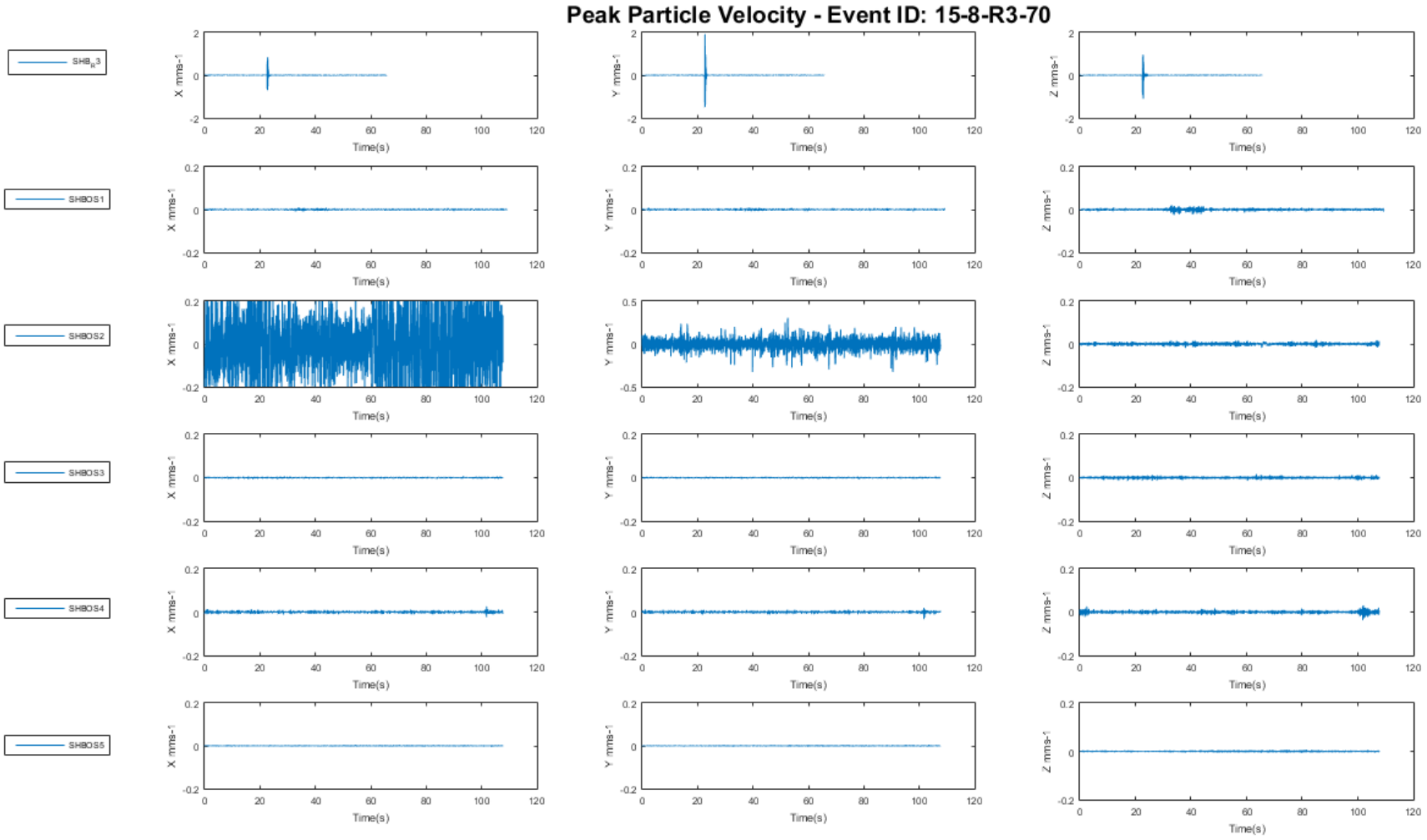


FIGURE 3.1249: SHB_OS 1 - 5 15-8-R3-70

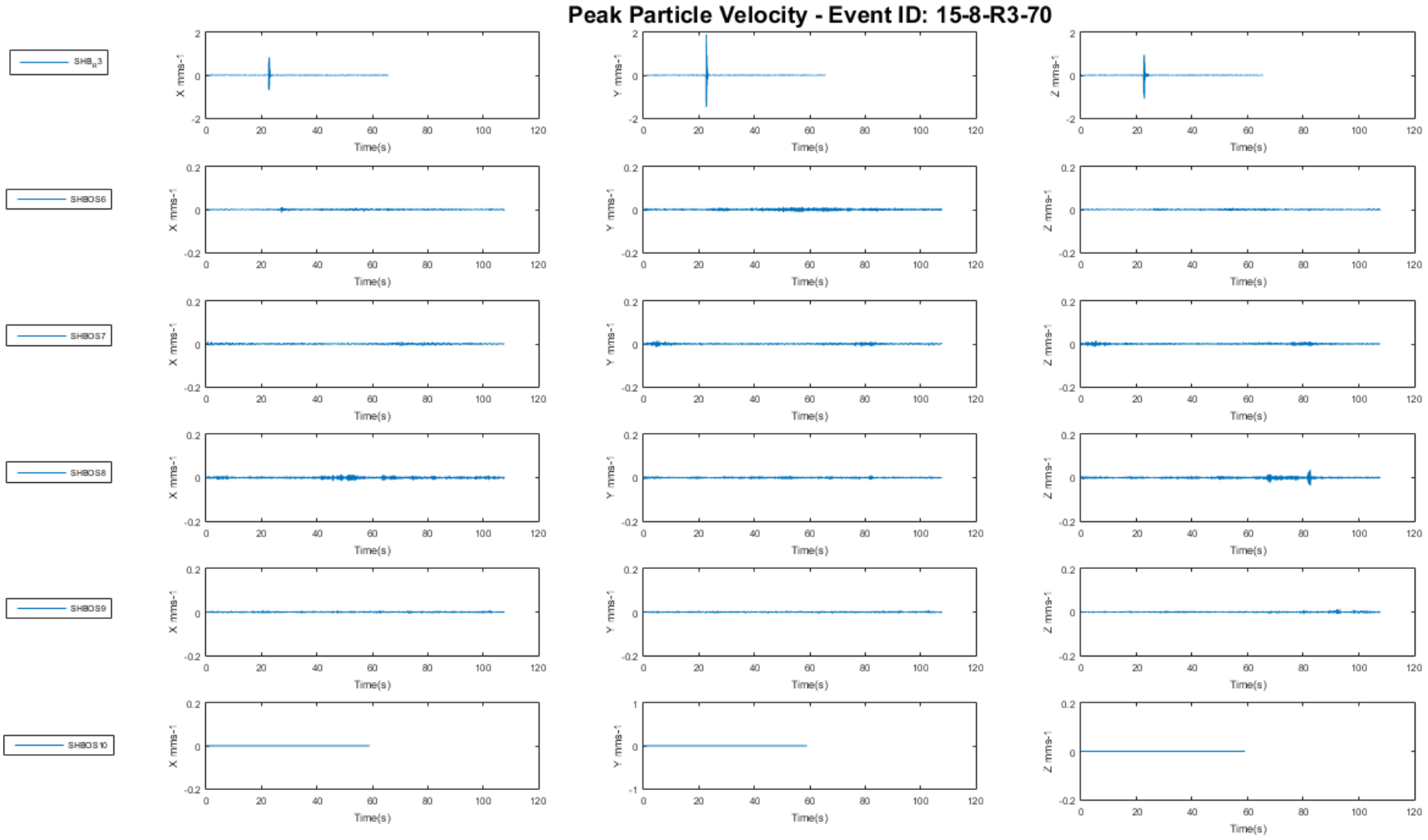


FIGURE 3.1250: SHB_OS 6 - 10 15-8-R3-70

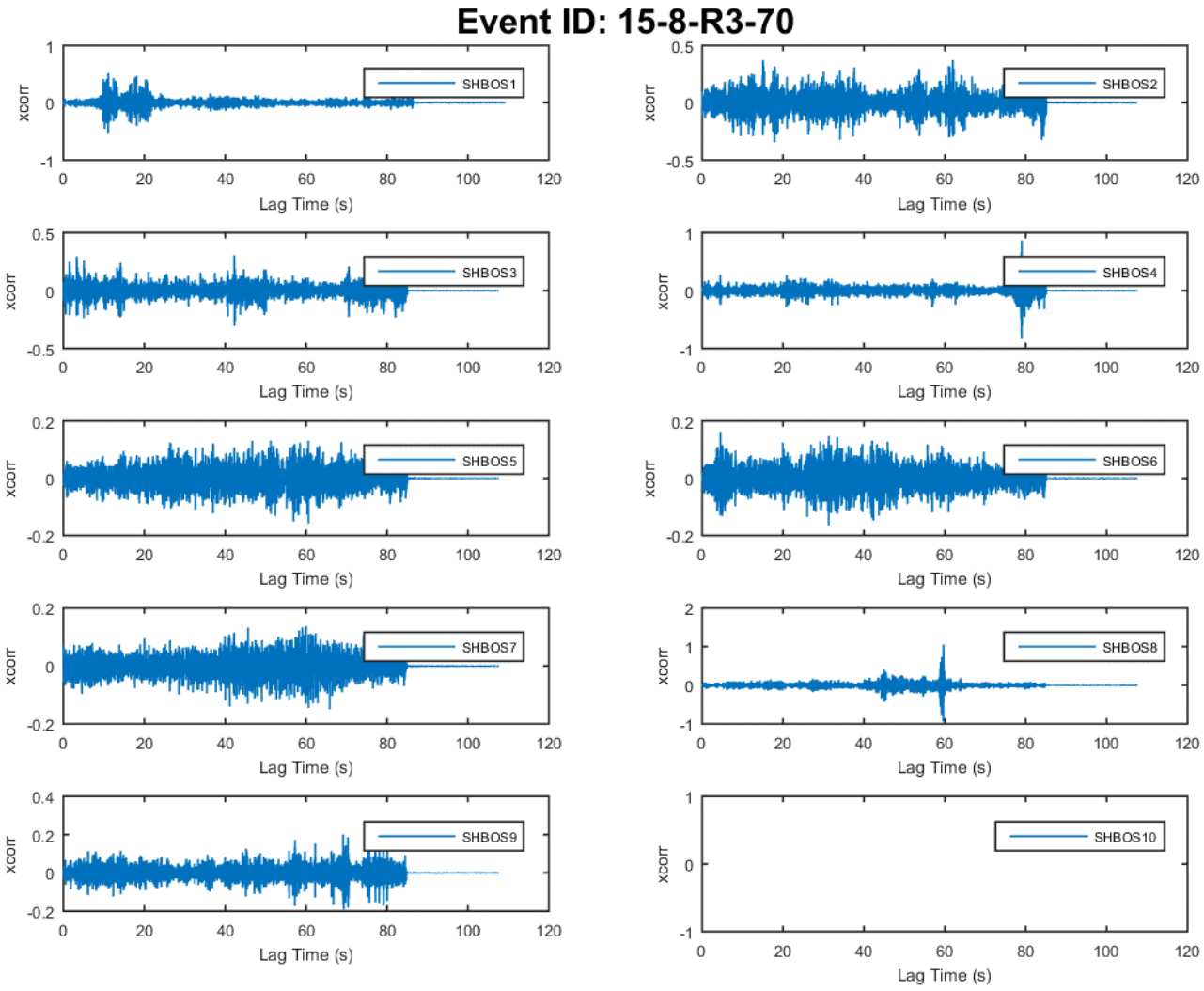


FIGURE 3.1251: CROSS CORRELATION SHB_OS 1 - 10 15-8-R3-70

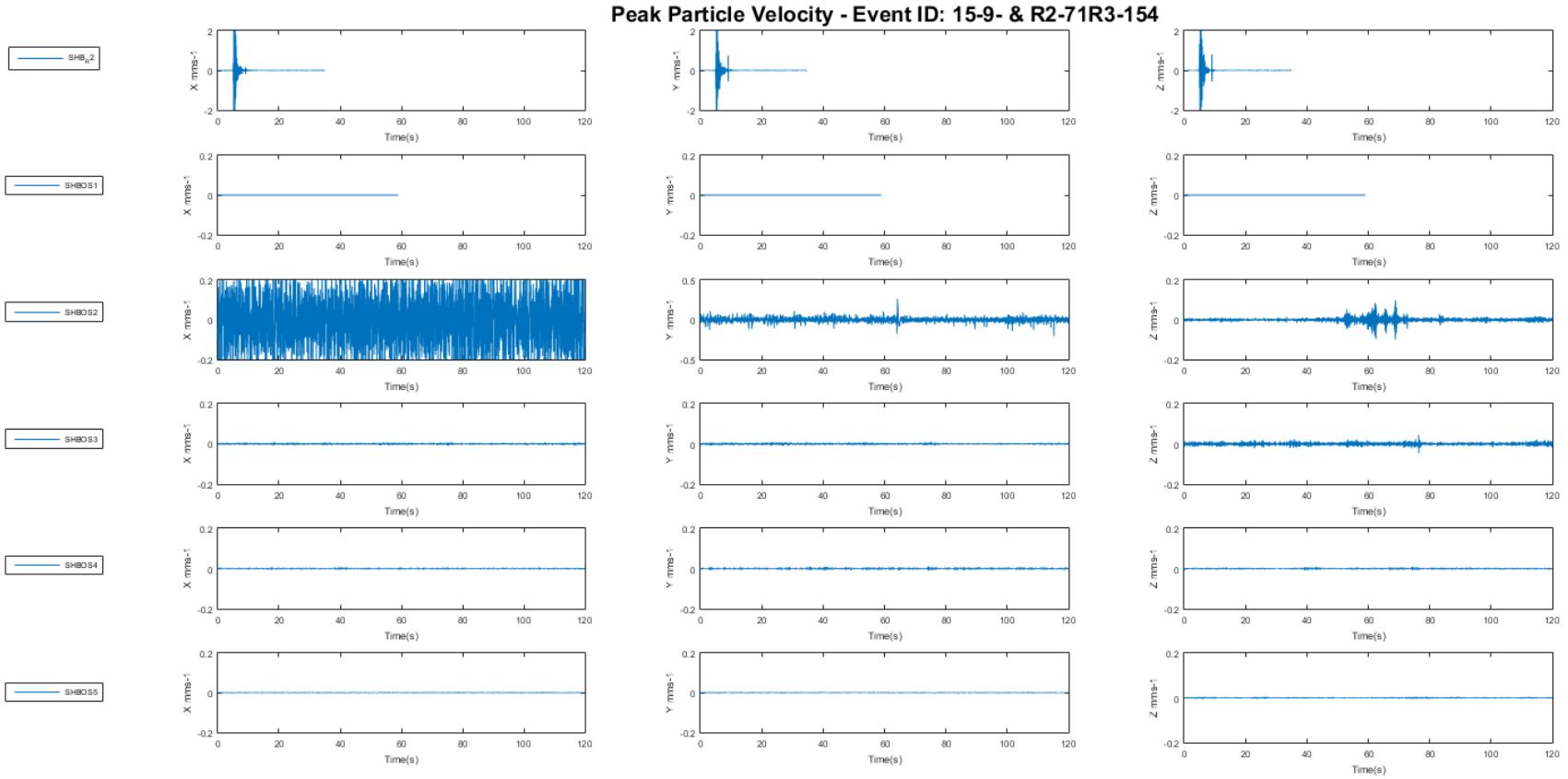
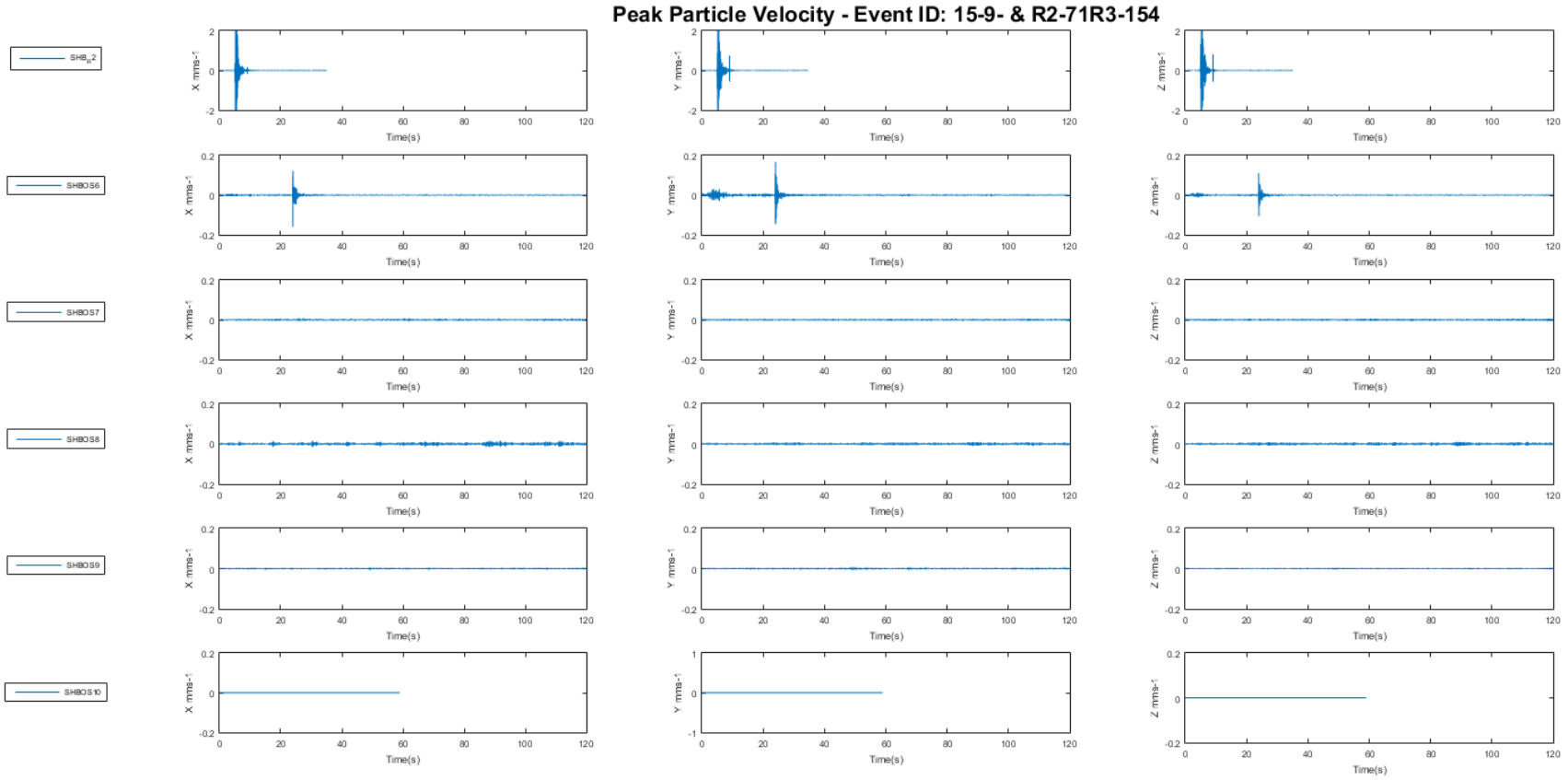


FIGURE 3.1252: SHB_OS 1 - 5 15-9- & R2-71R3-154

FIGURE 3.1253: SHB_OS 6 - 10 15-9- & R2-71R3-154



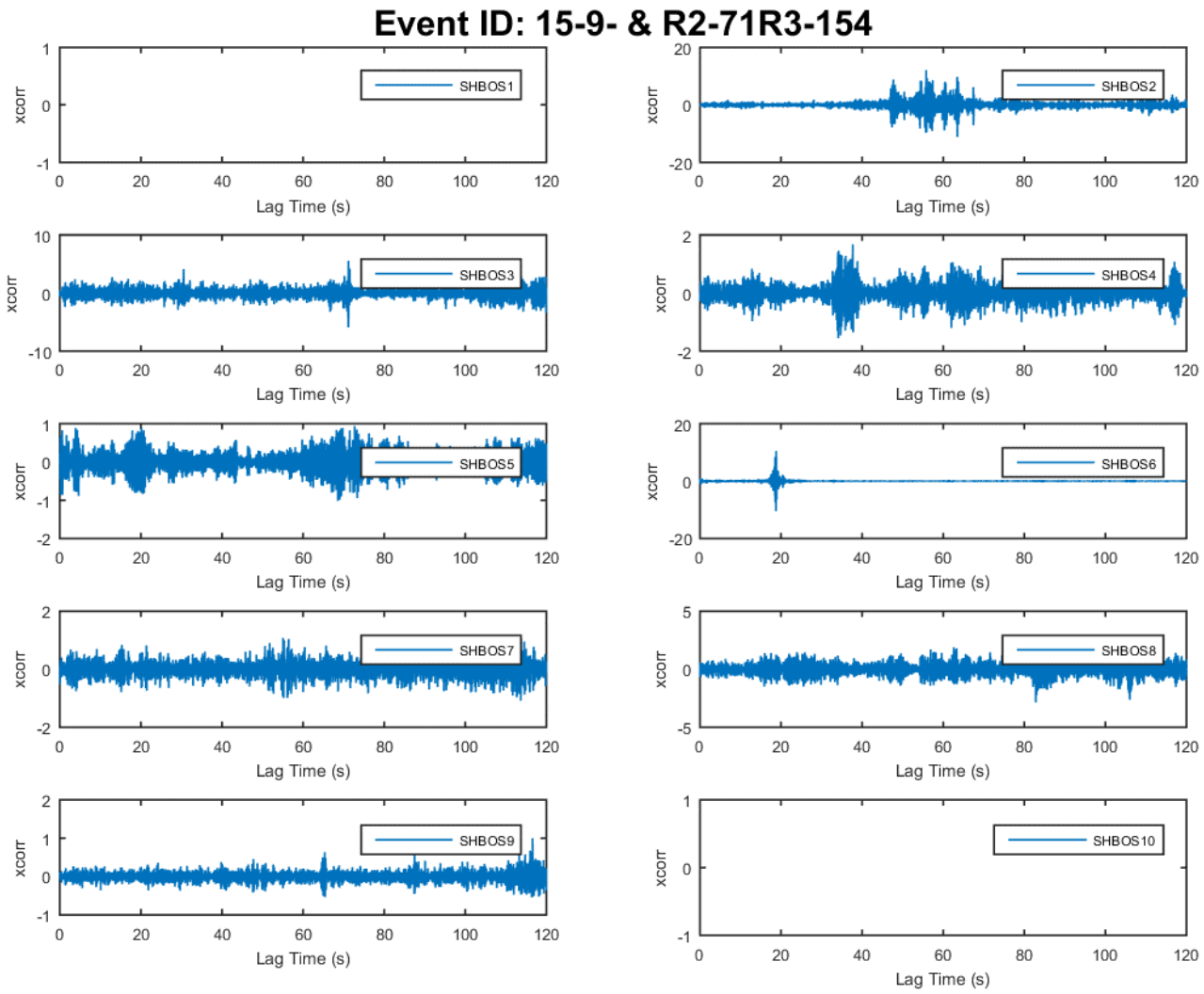


FIGURE 3.1254: CROSS CORRELATION SHB_OS 1 - 10 15-9- & R2-71R3-154

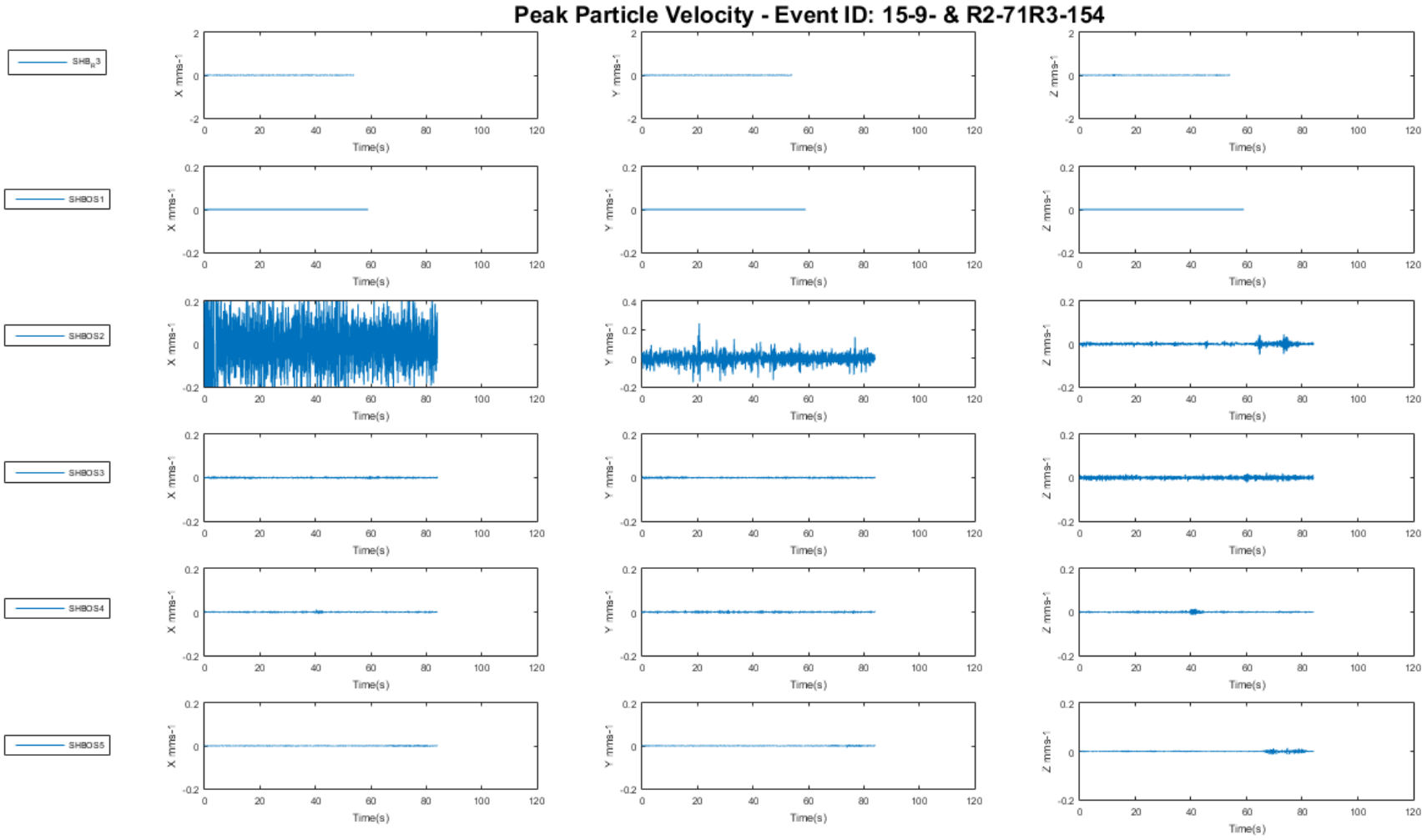


FIGURE 3.1255: SHB_OS 1 - 5 15-9- & R2-71R3-154

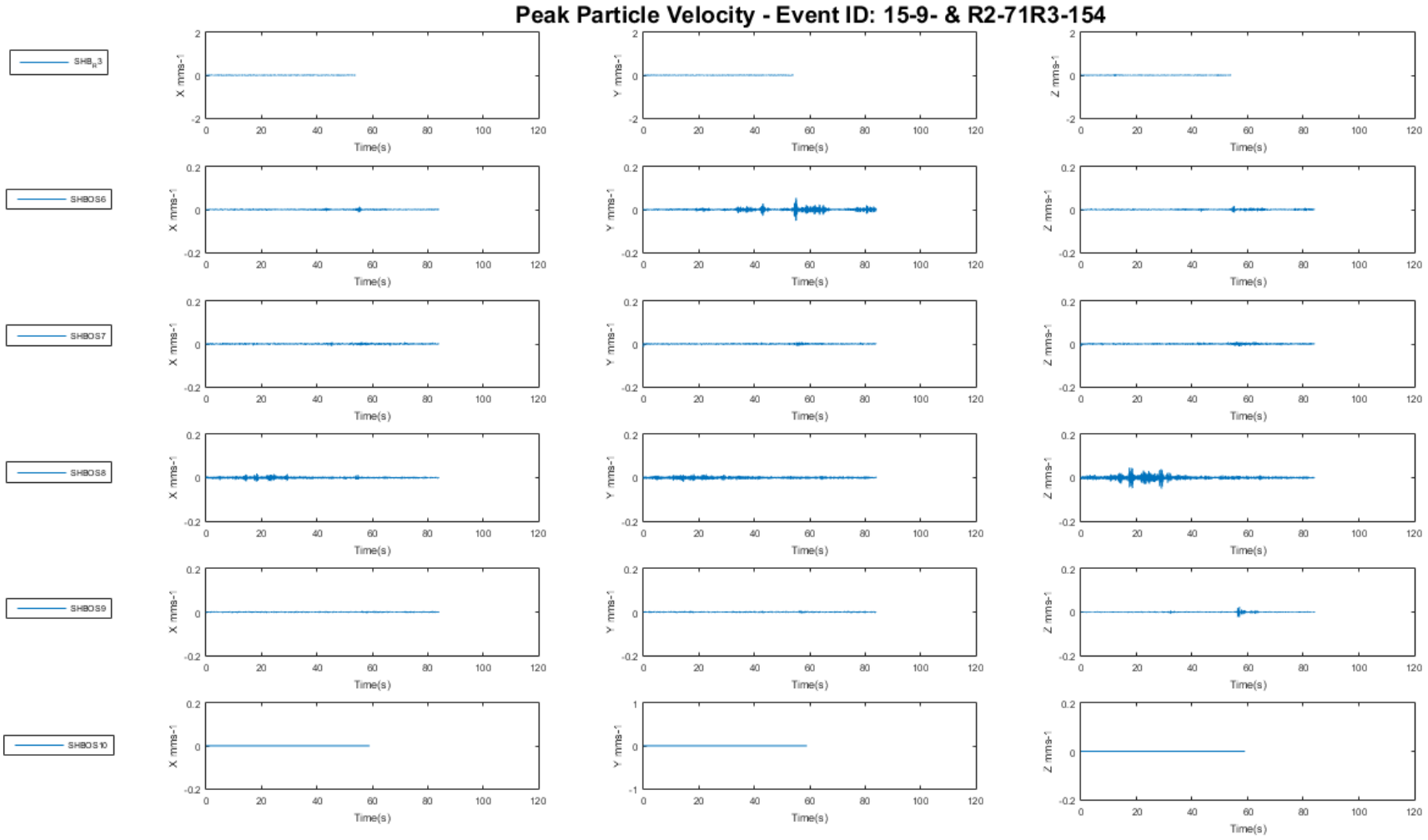


FIGURE 3.1256: SHB_OS 6 - 10 15-9- & R2-71R3-154

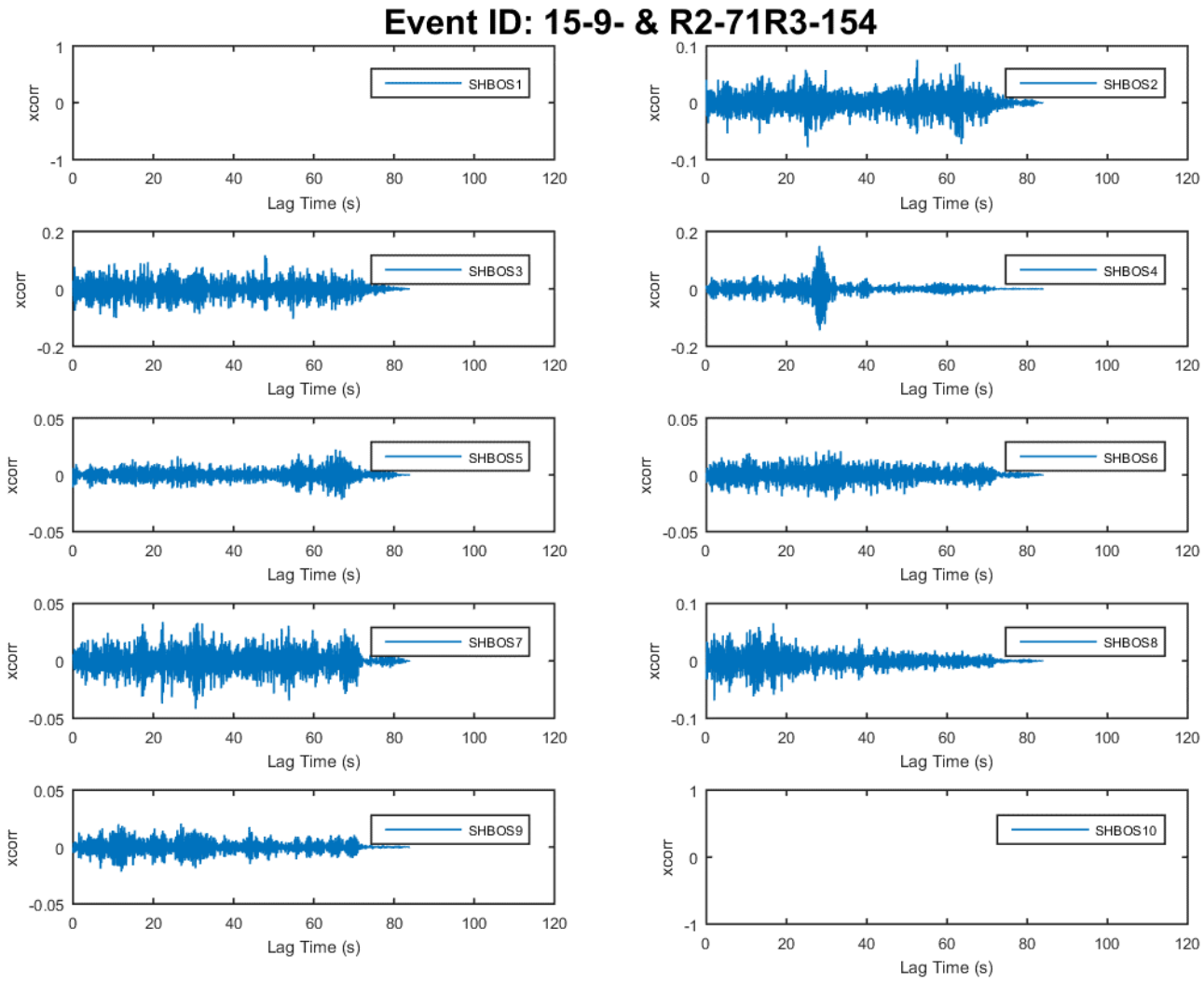


FIGURE 3.1257: CROSS CORRELATION SHB_OS 1 - 10 15-9- & R2-71R3-154

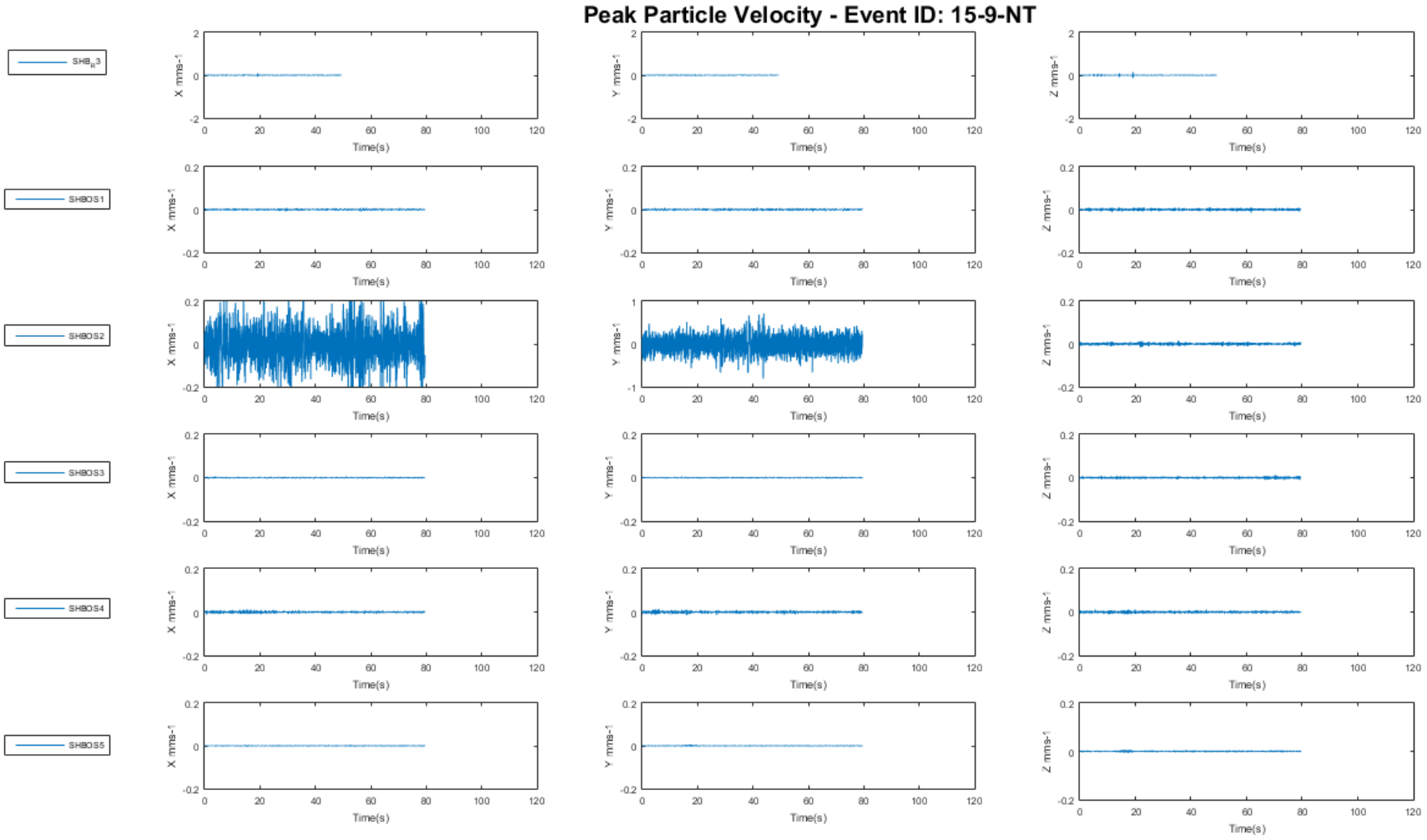


FIGURE 3.1258: SHB_OS 1 - 5 15-9-NT

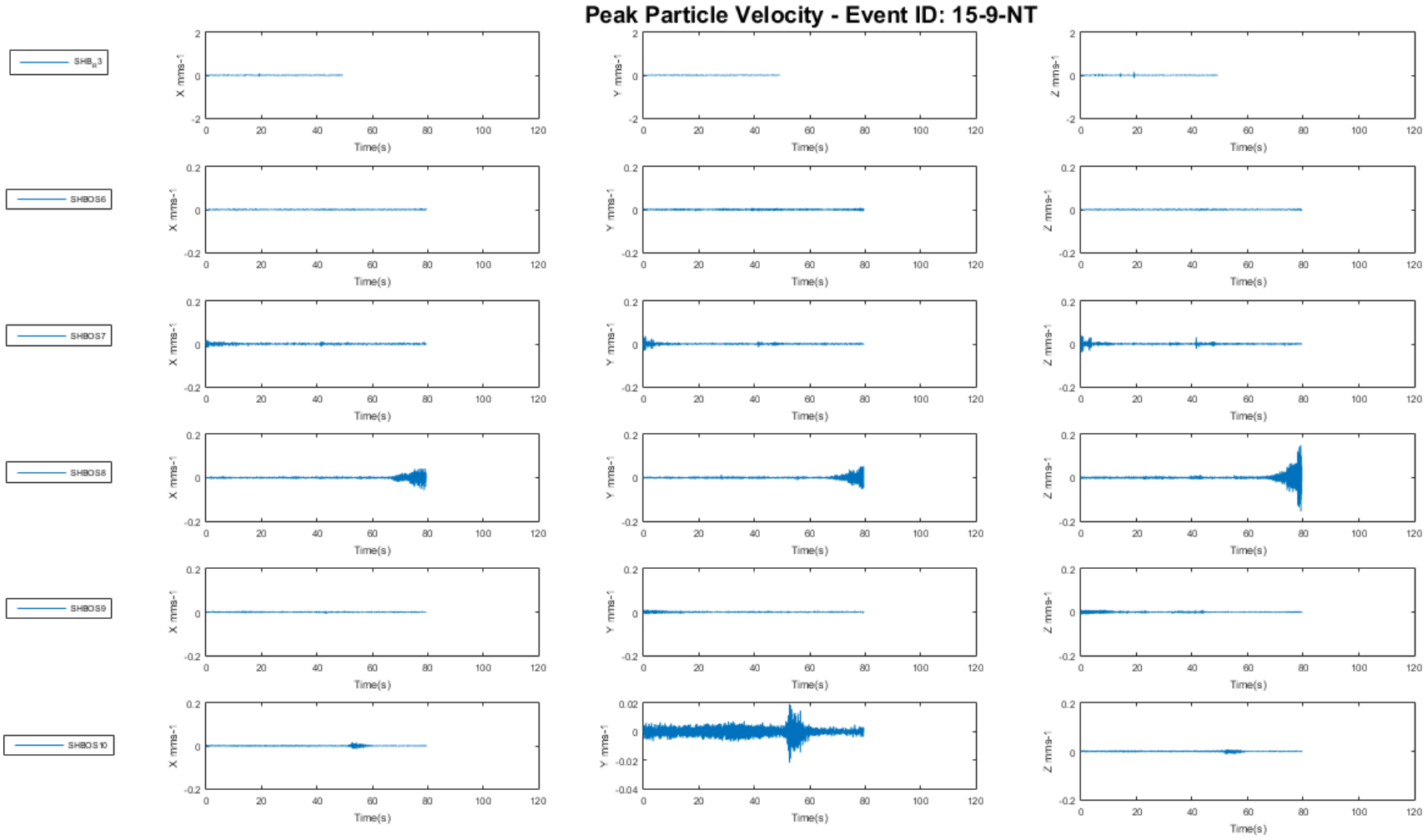


FIGURE 3.1259: SHB_OS 6 - 10 15-9-NT

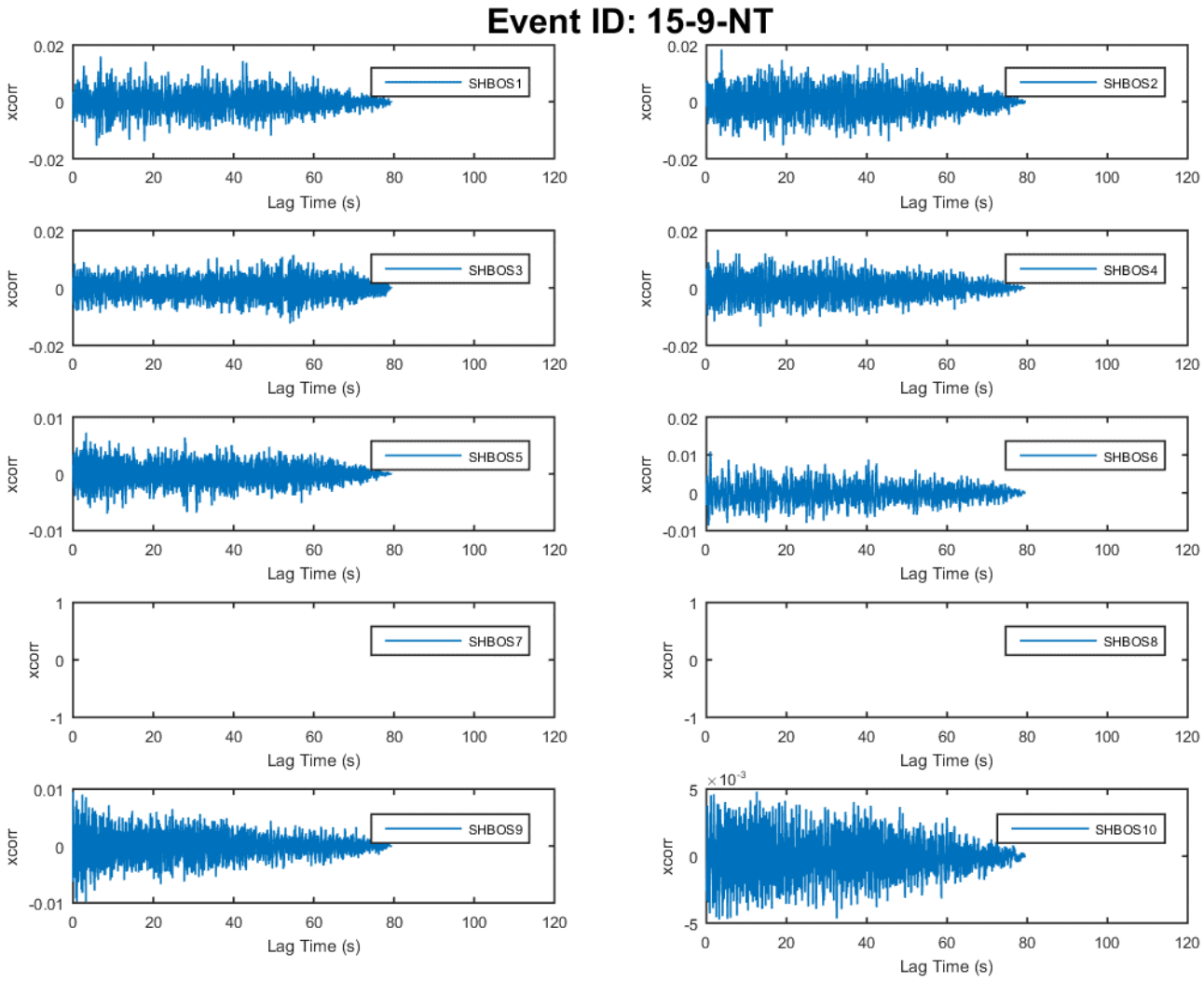


FIGURE 3.1260: CROSS CORRELATION SHB_OS 1 - 10 15-9-NT

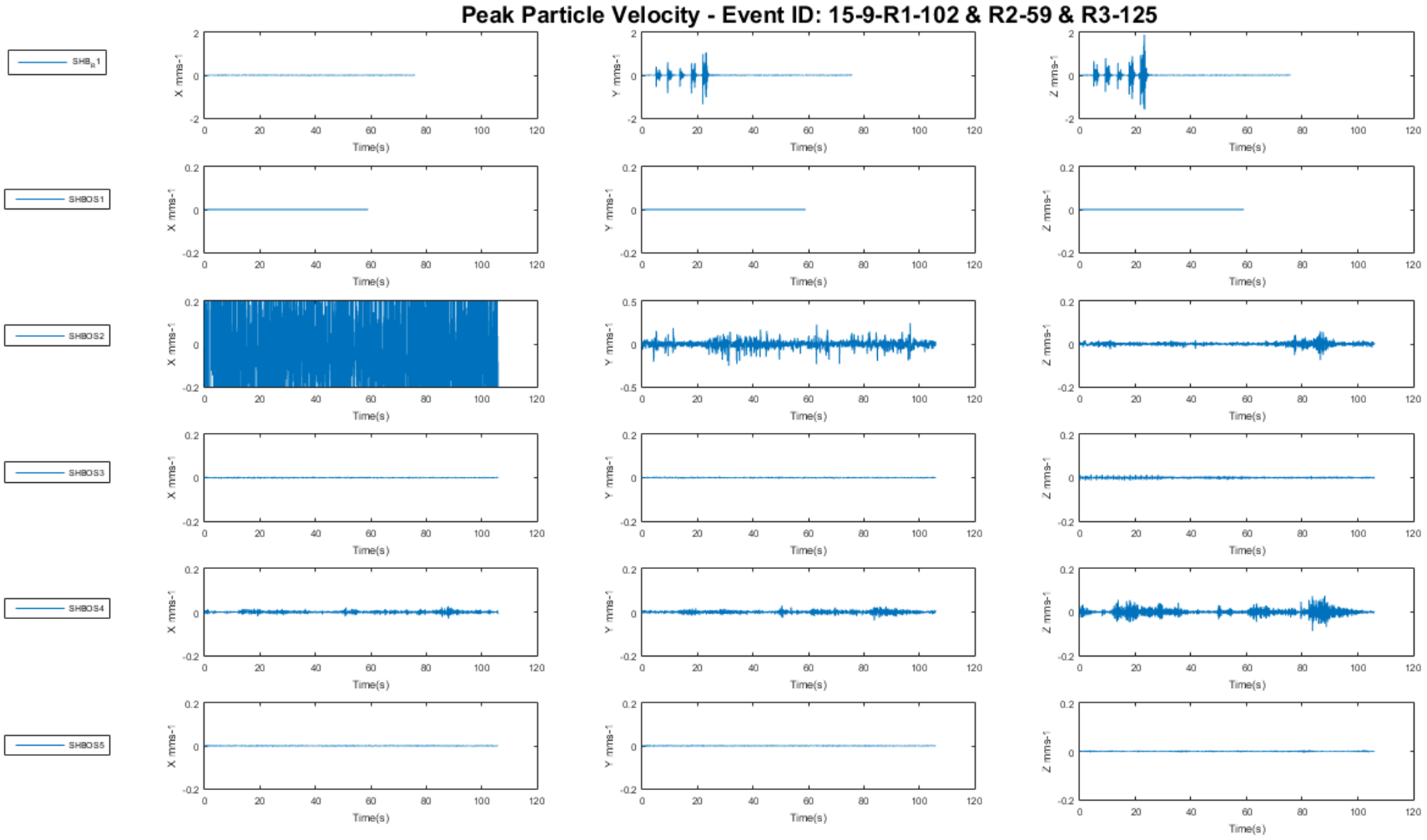


FIGURE 3.1261: SHB_OS 1 - 5 15-9-R1-102 & R2-59 & R3-125

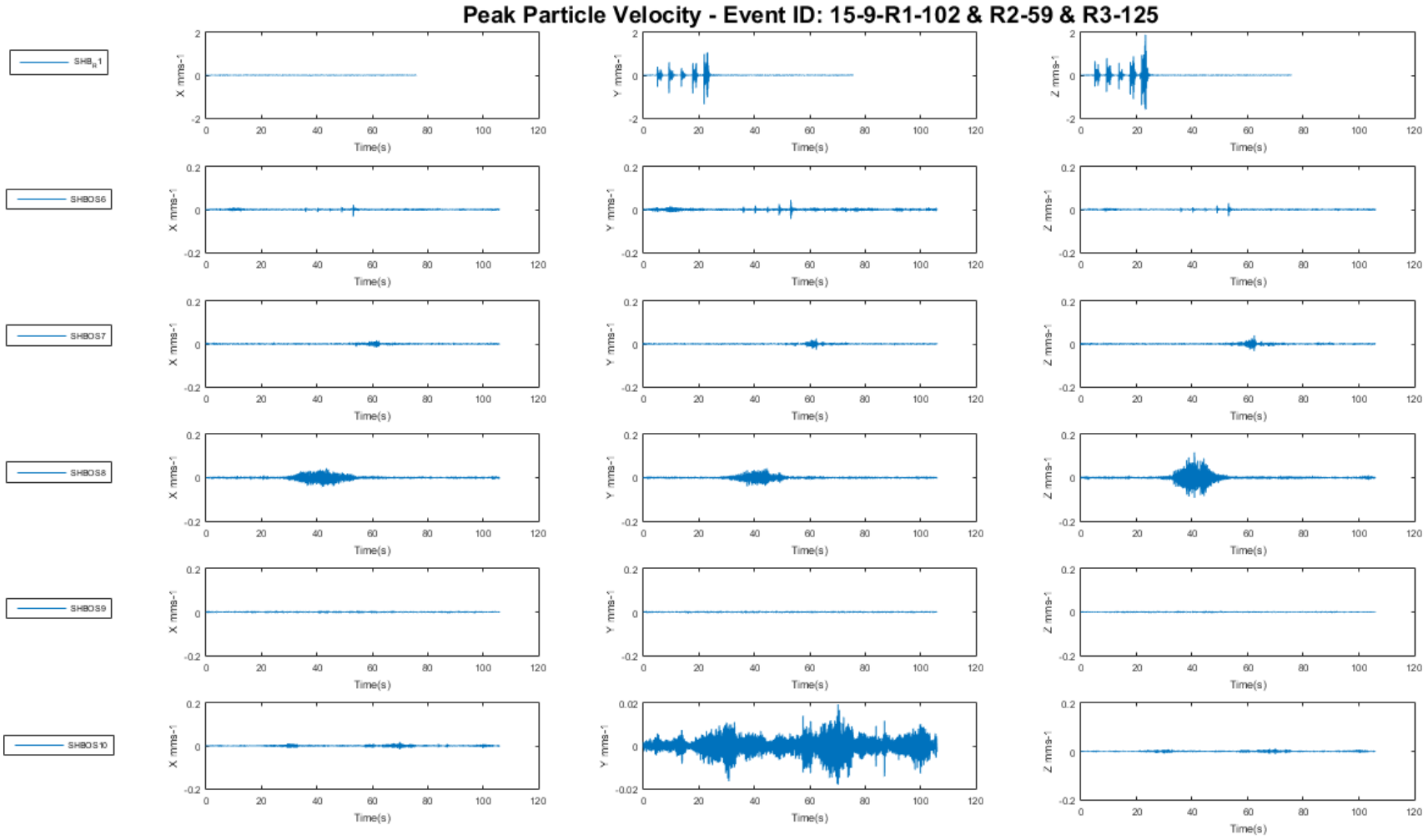
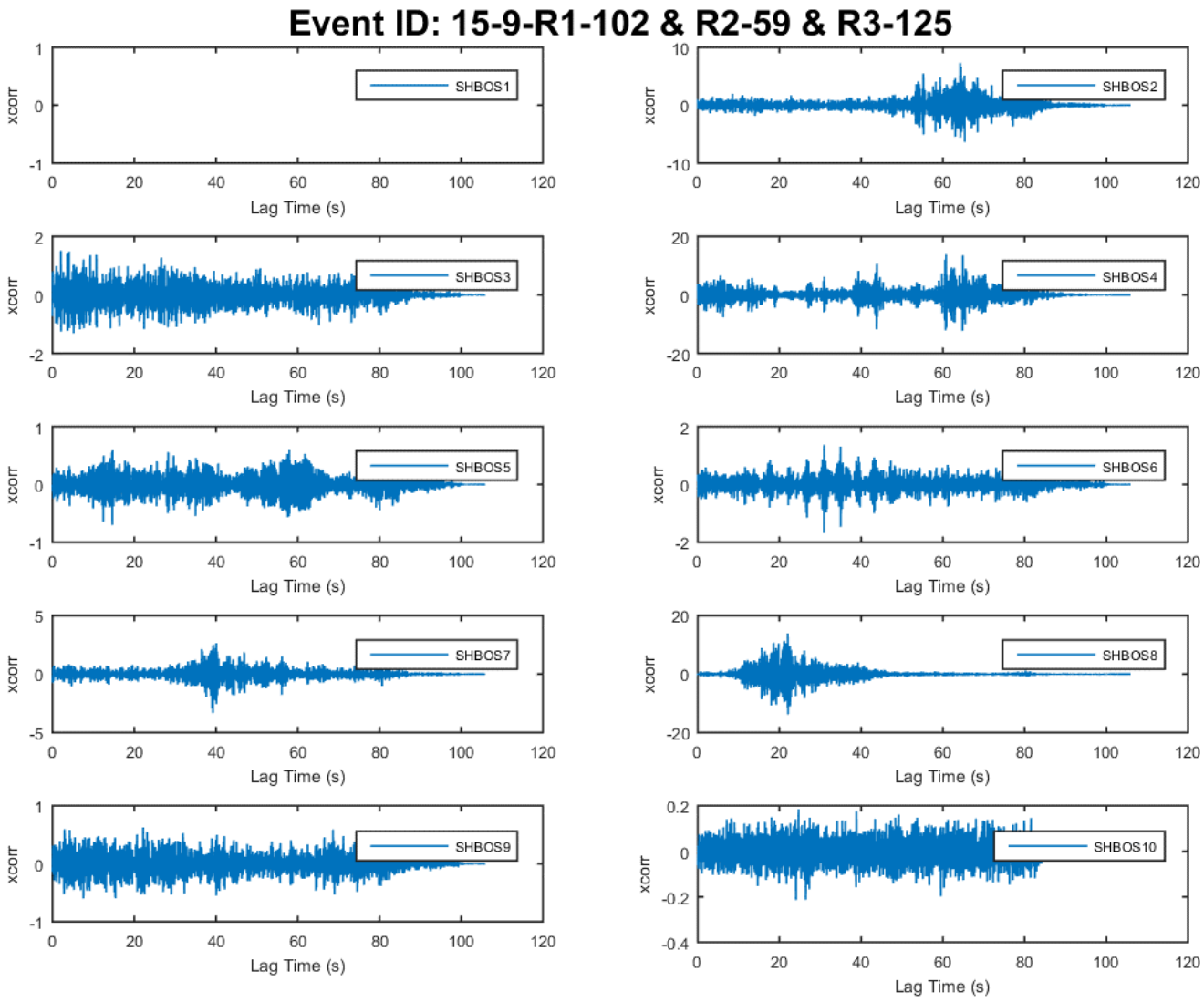


FIGURE 3.1262: SHB_OS 6 - 10 15-9-R1-102 & R2-59 & R3-125

FI(


Event ID: 15-9-R1-102 & R2-59 & R3-125
SHBOS1
SHBOS2
SHBOS3
SHBOS4
SHBOS5
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
xcorr
Lag Time (s)

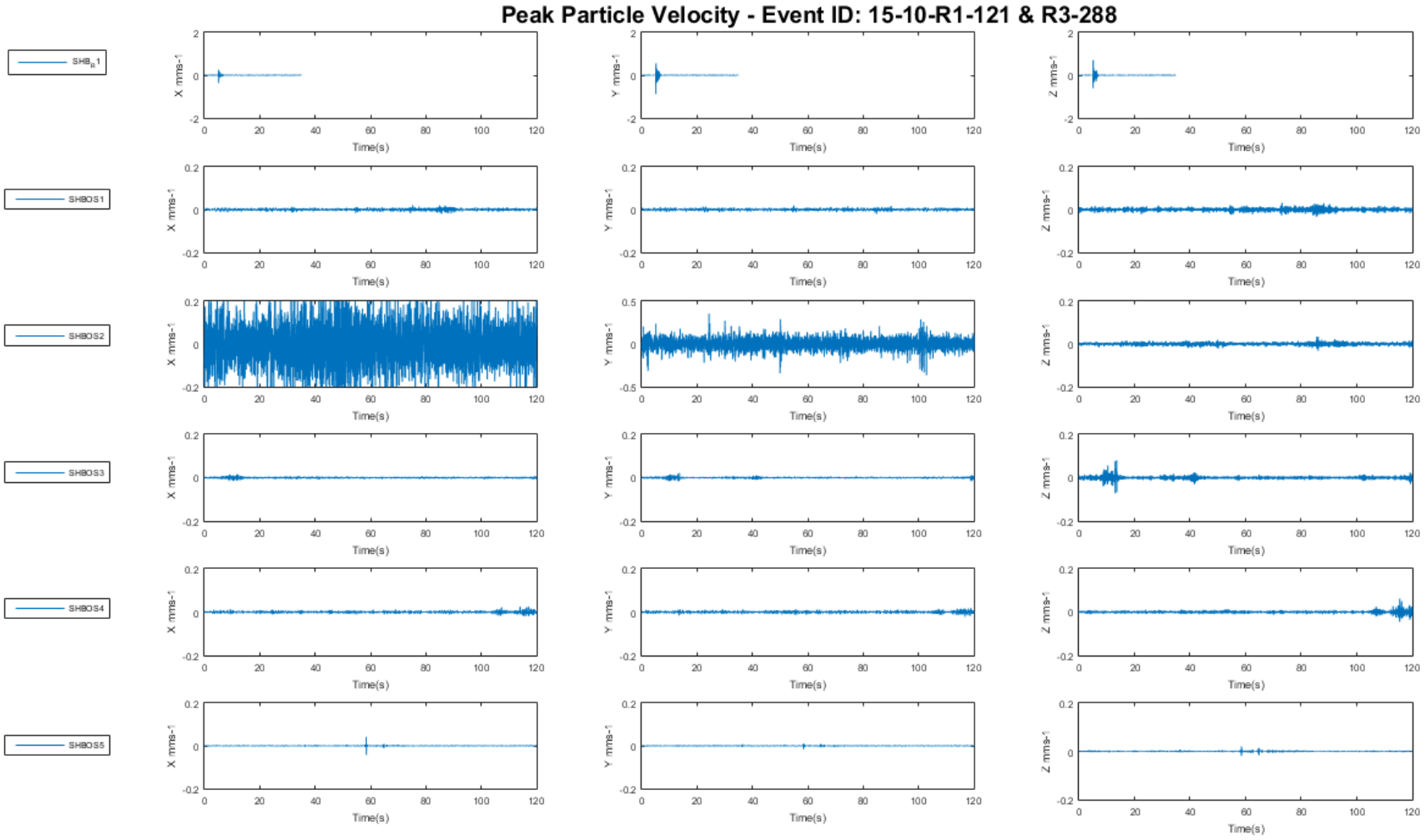


FIGURE 3.1264: SHB_OS 1 - 5 15-10-R1-121 & R3-288

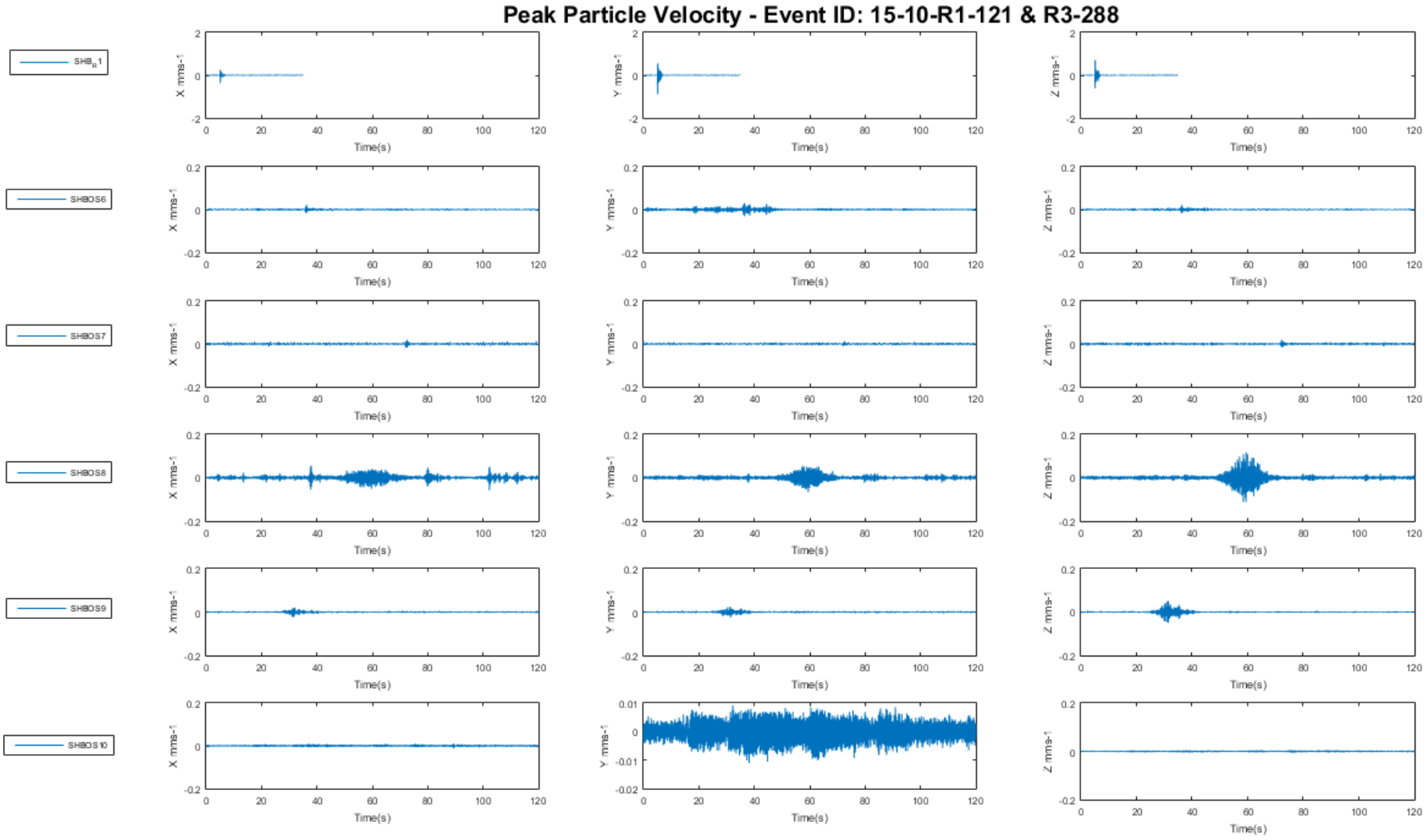


FIGURE 3.1265: SHB_OS 6 - 10 15-10-R1-121 & R3-288

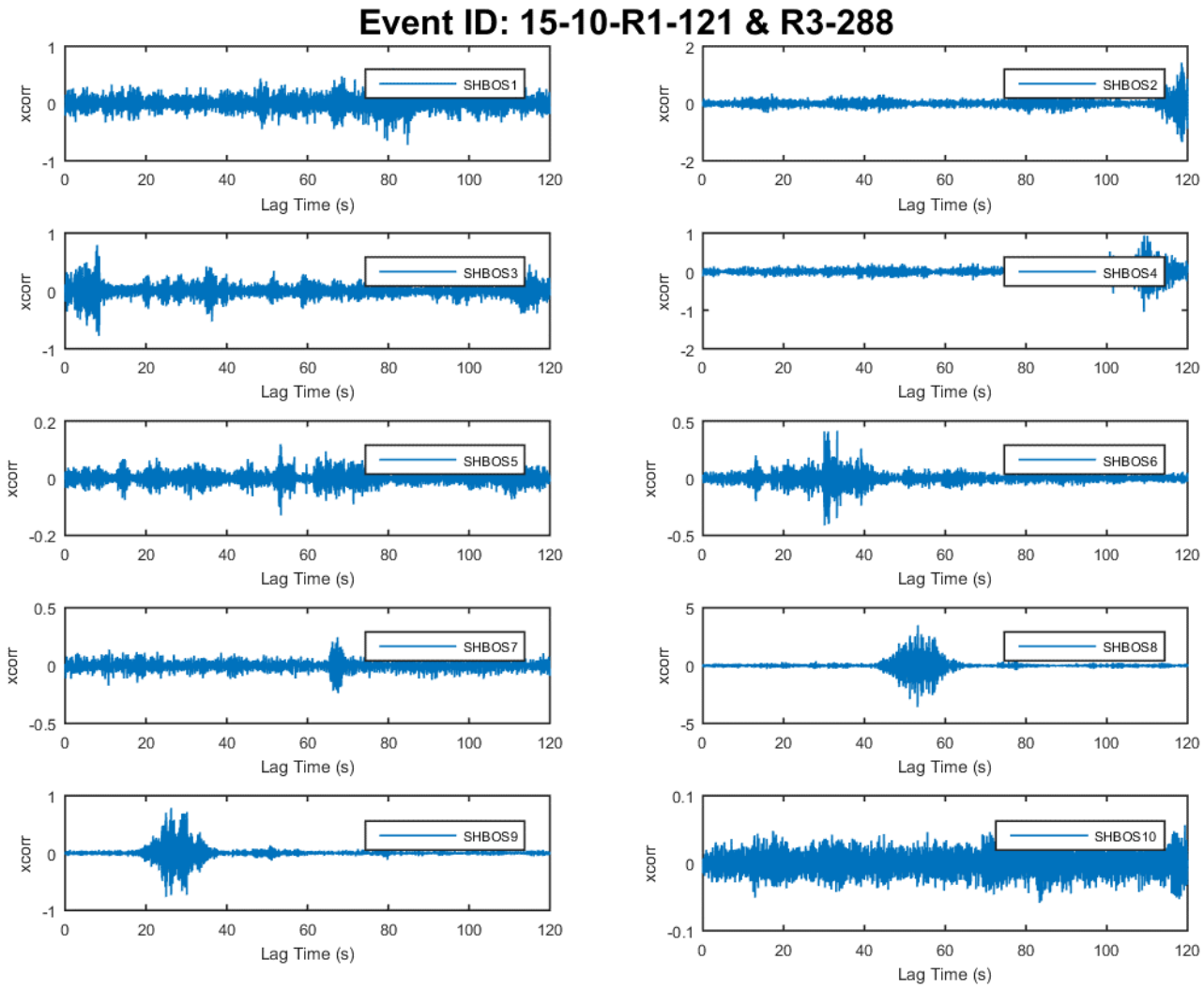


FIGURE 3.1266: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-121 & R3-288

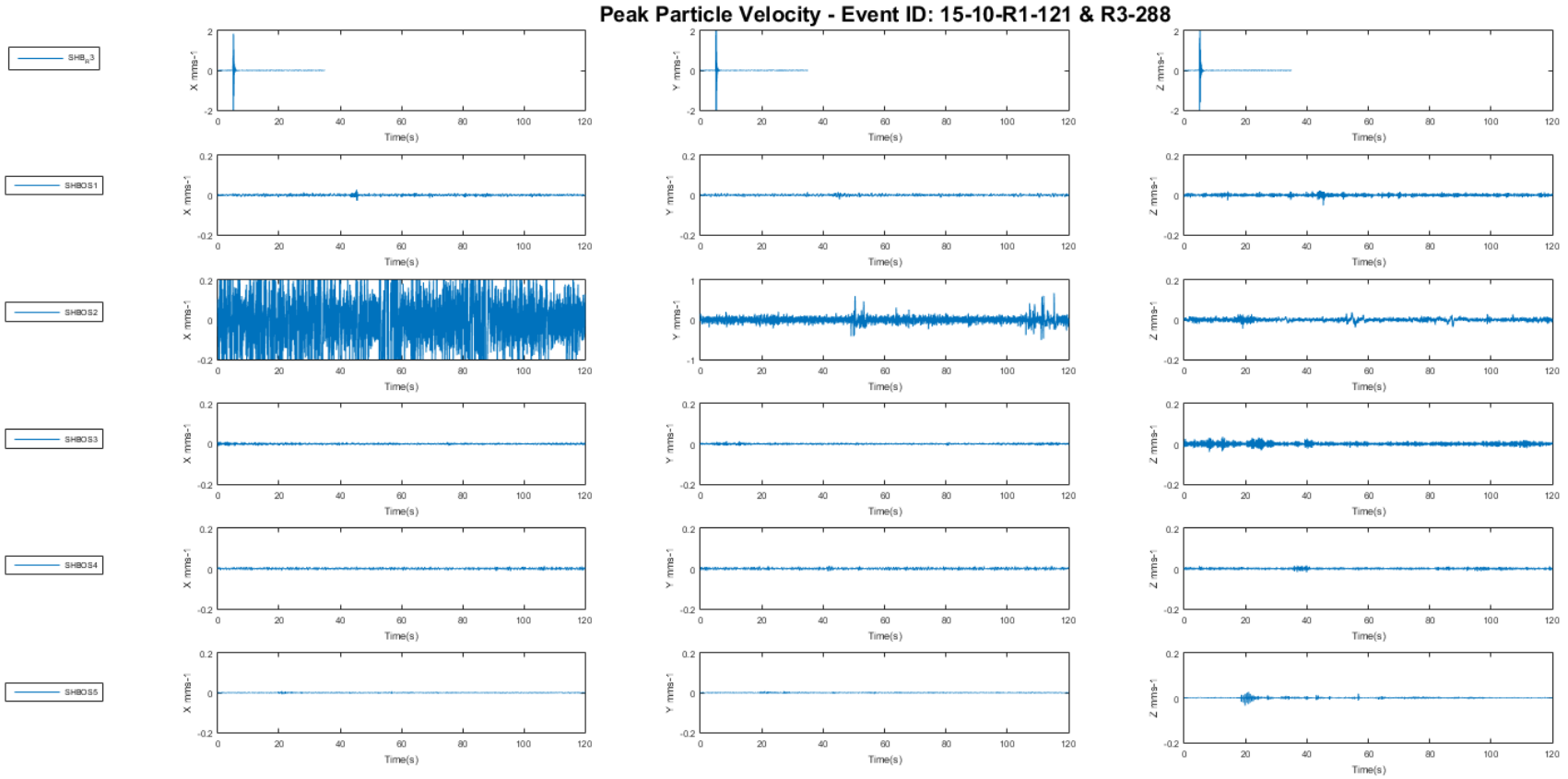


FIGURE 3.1267: SHB_OS 1 - 5 15-10-R1-121 & R3-288

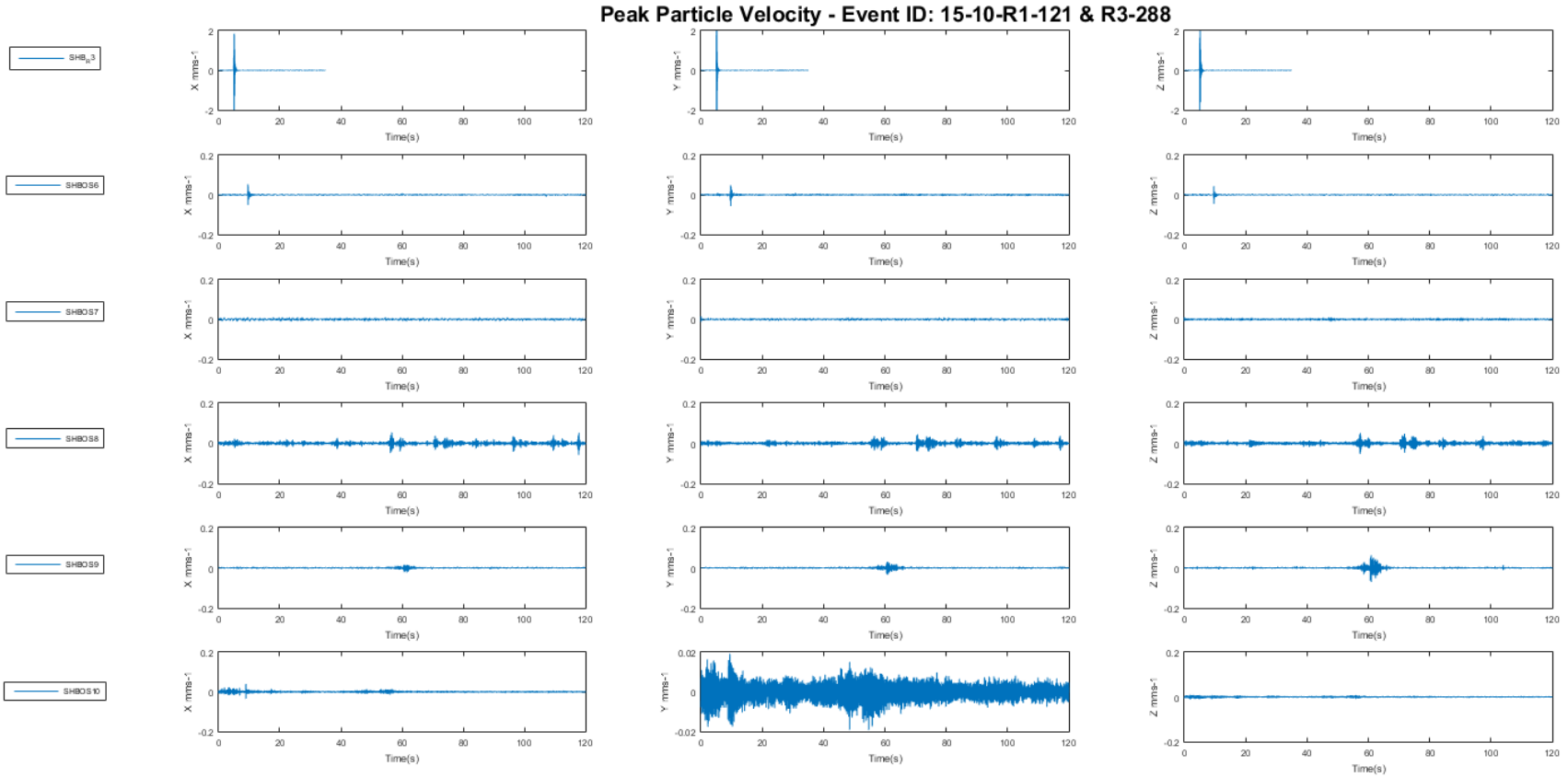


FIGURE 3.1268: SHB_OS 6 - 10 15-10-R1-121 & R3-288

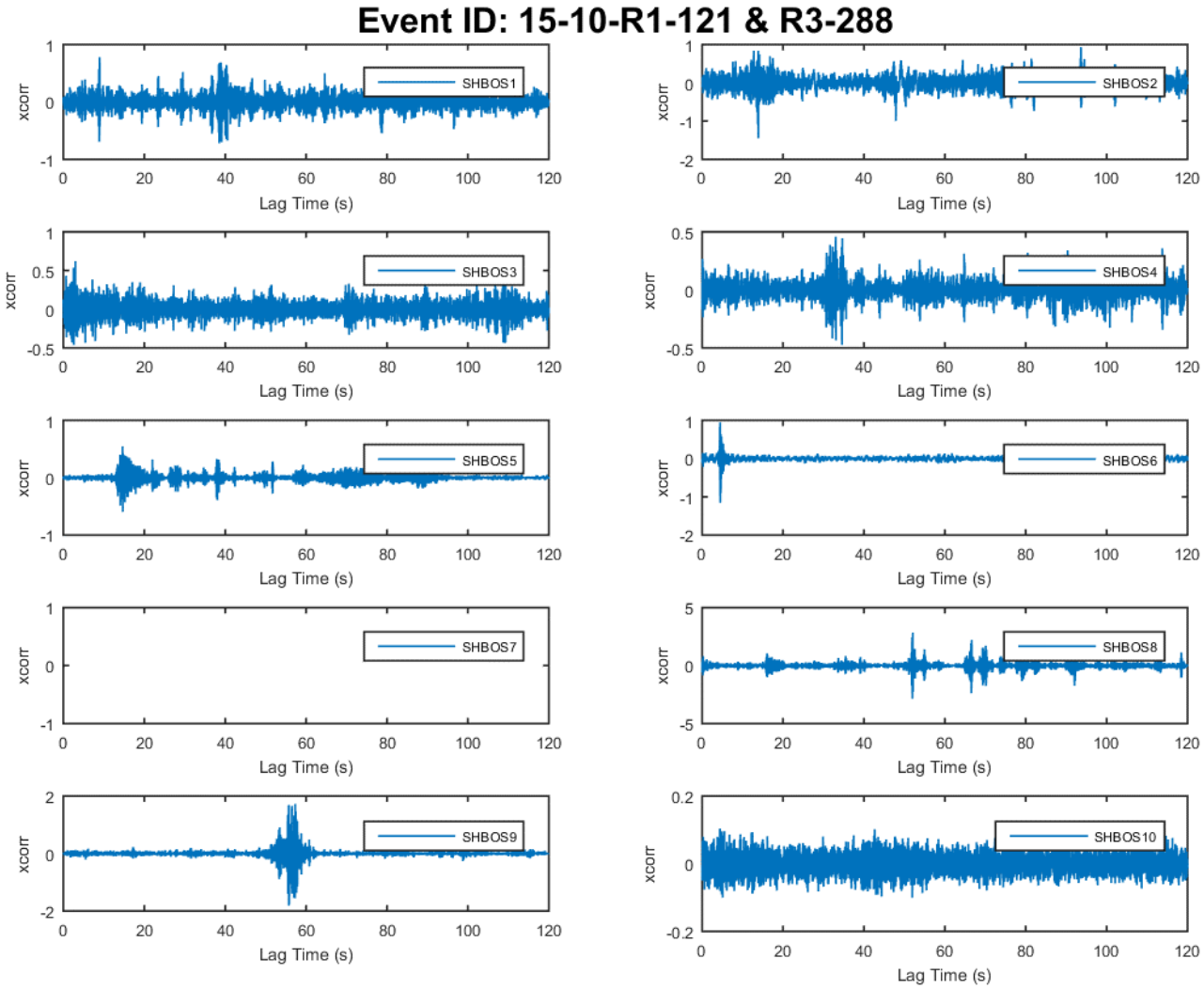


FIGURE 3.1269: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-121 & R3-288

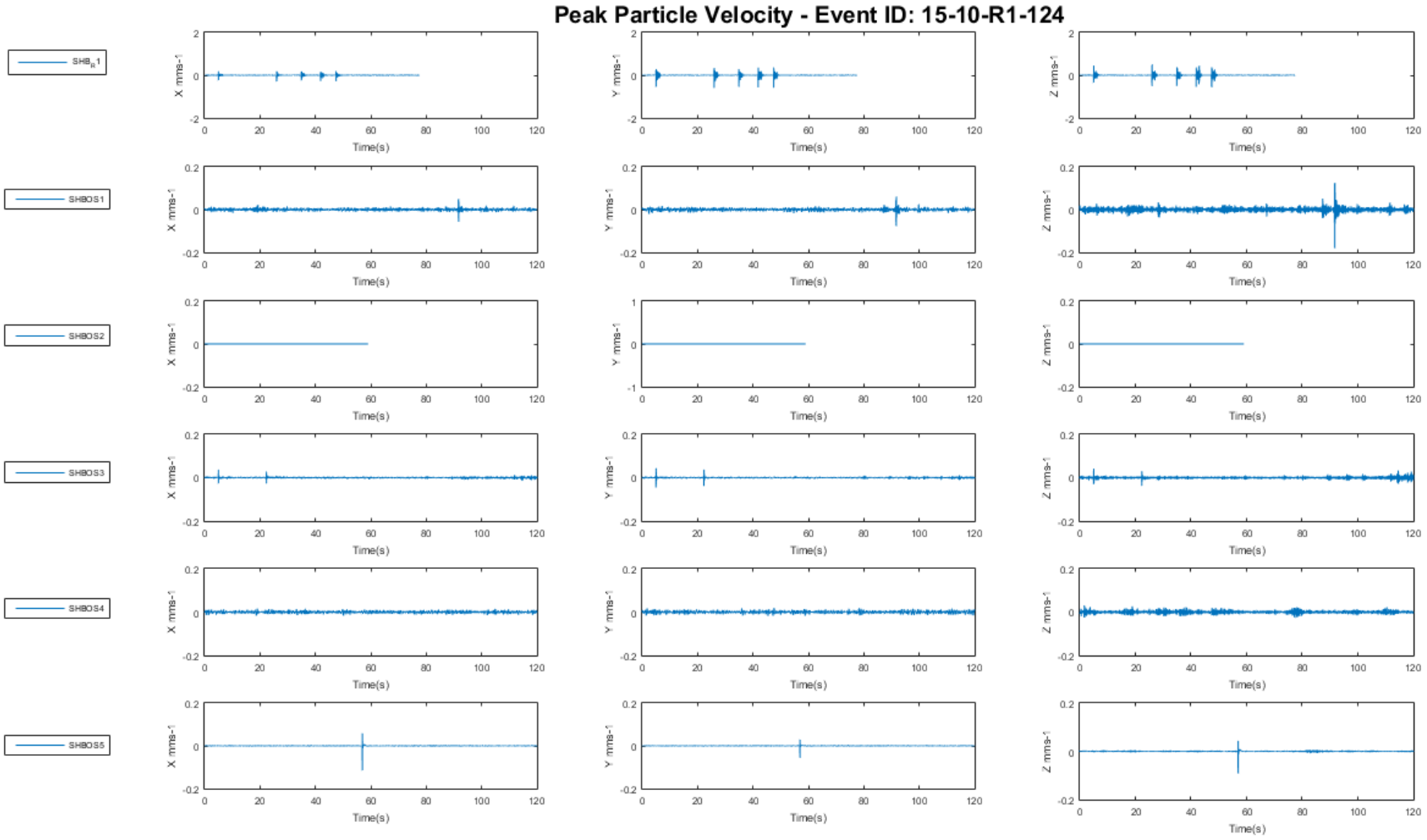


FIGURE 3.1270: SHB_OS 1 - 5 15-10-R1-124

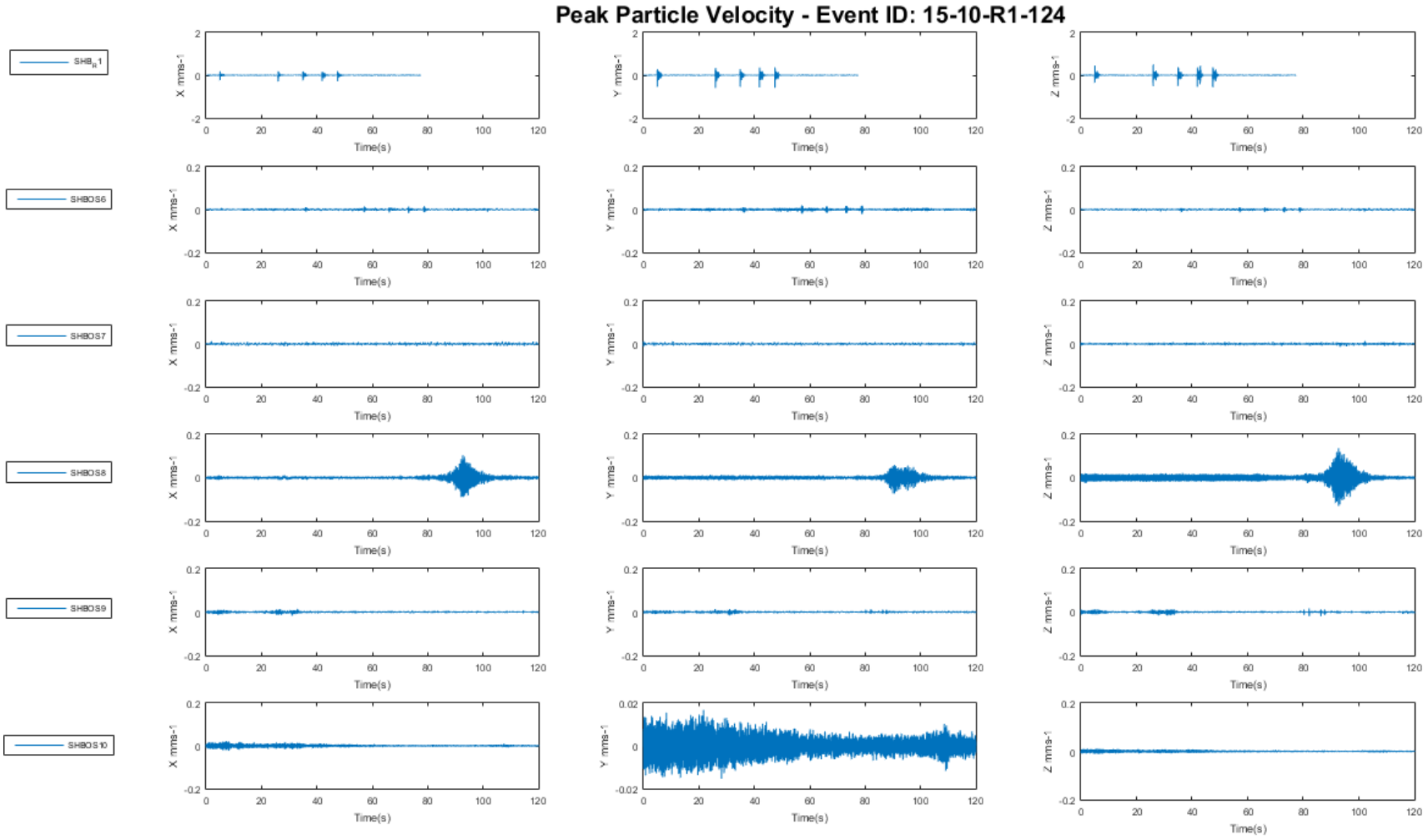


FIGURE 3.1271: SHB_OS 6 - 10 15-10-R1-124

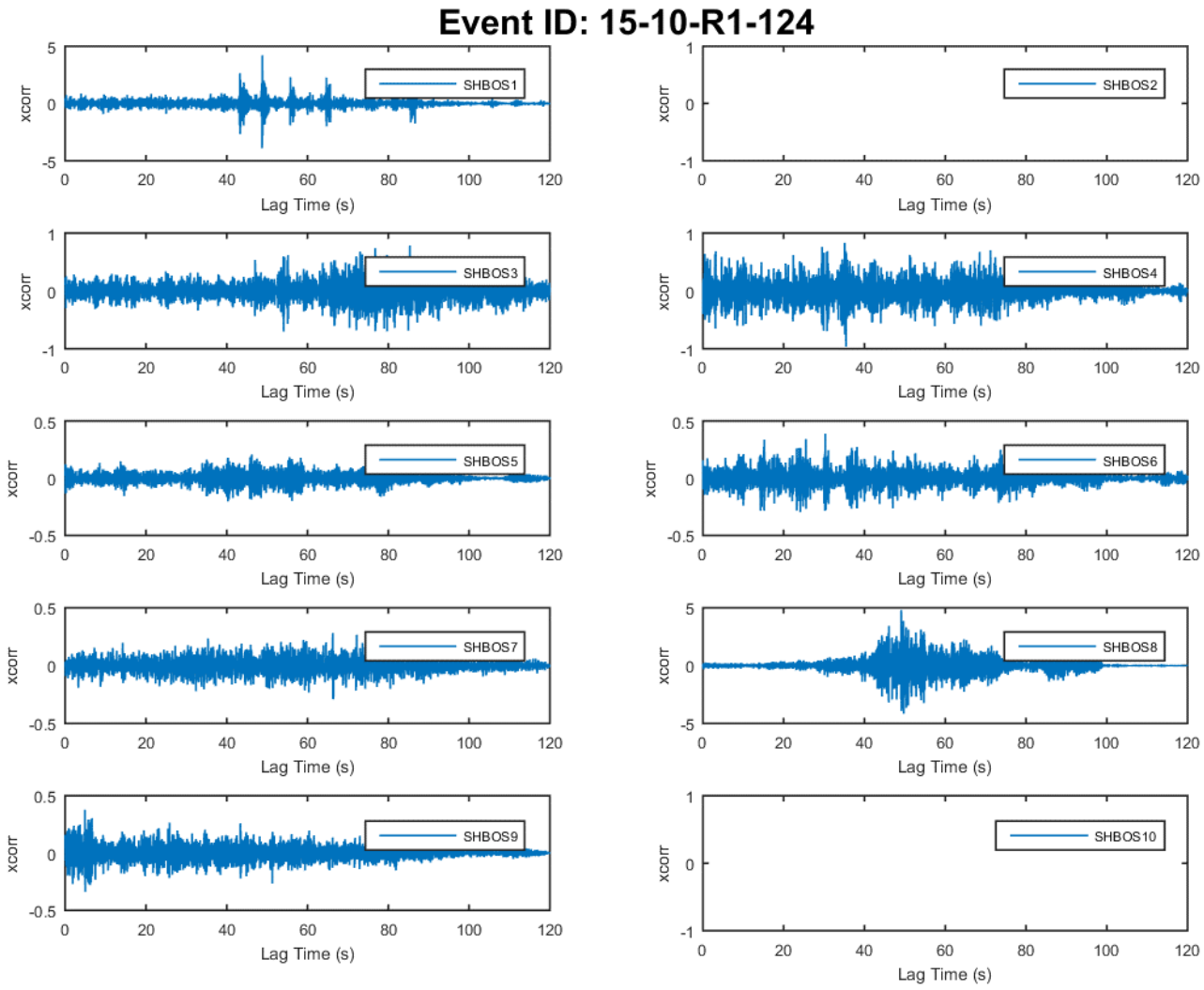


FIGURE 3.1272: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-124

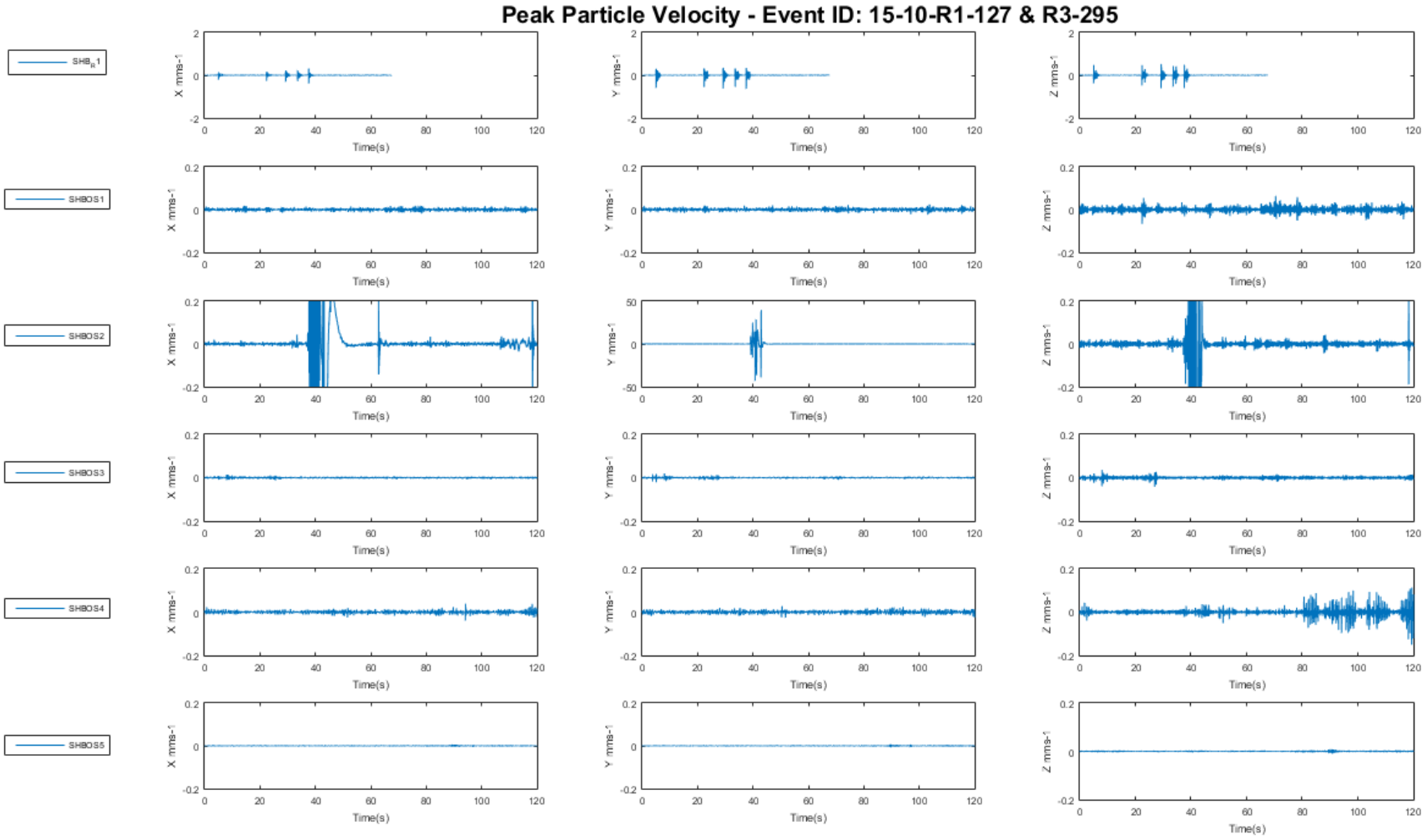


FIGURE 3.1273: SHB_OS 1 - 5 15-10-R1-127 & R3-295

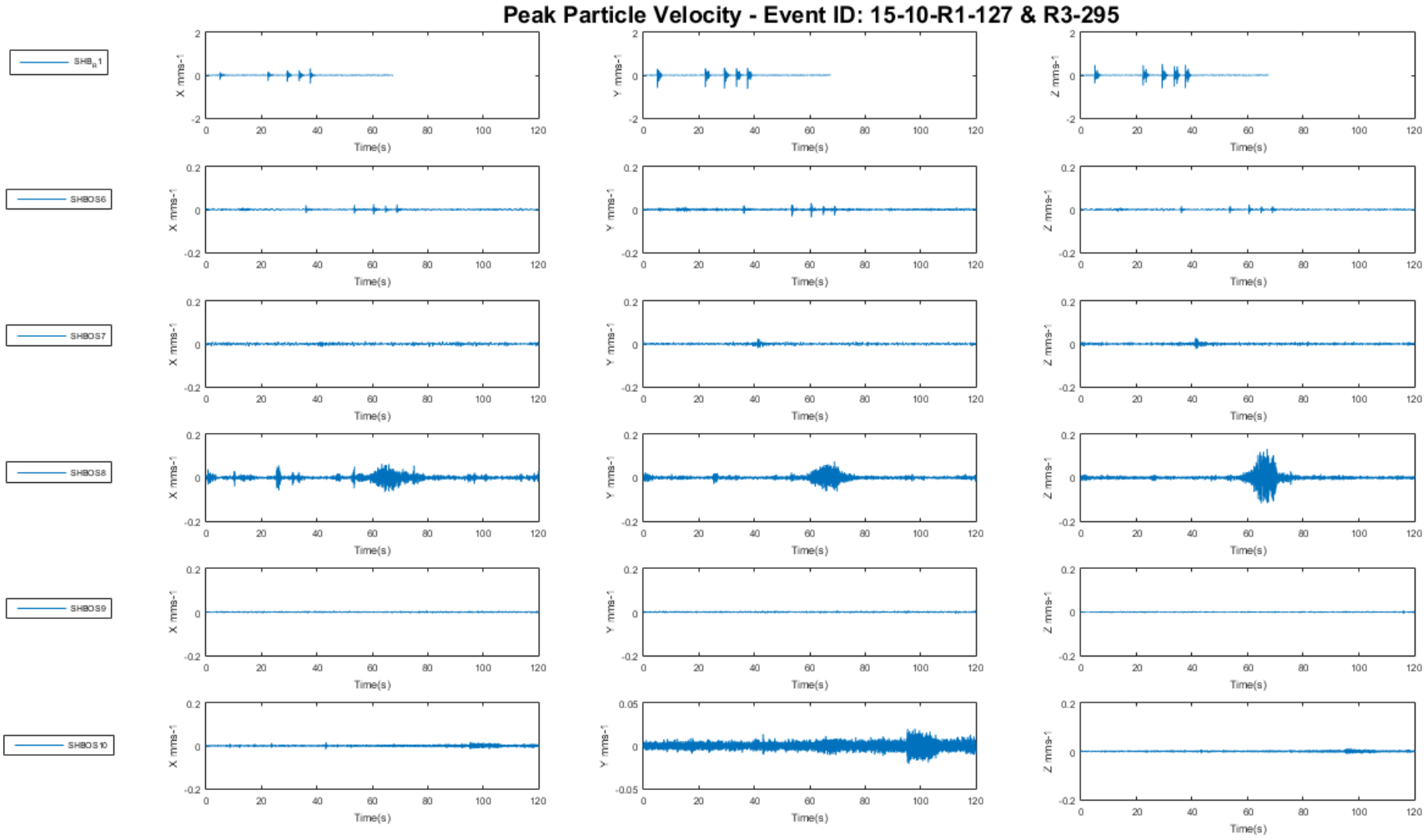


FIGURE 3.1274: SHB_OS 6 - 10 15-10-R1-127 & R3-295

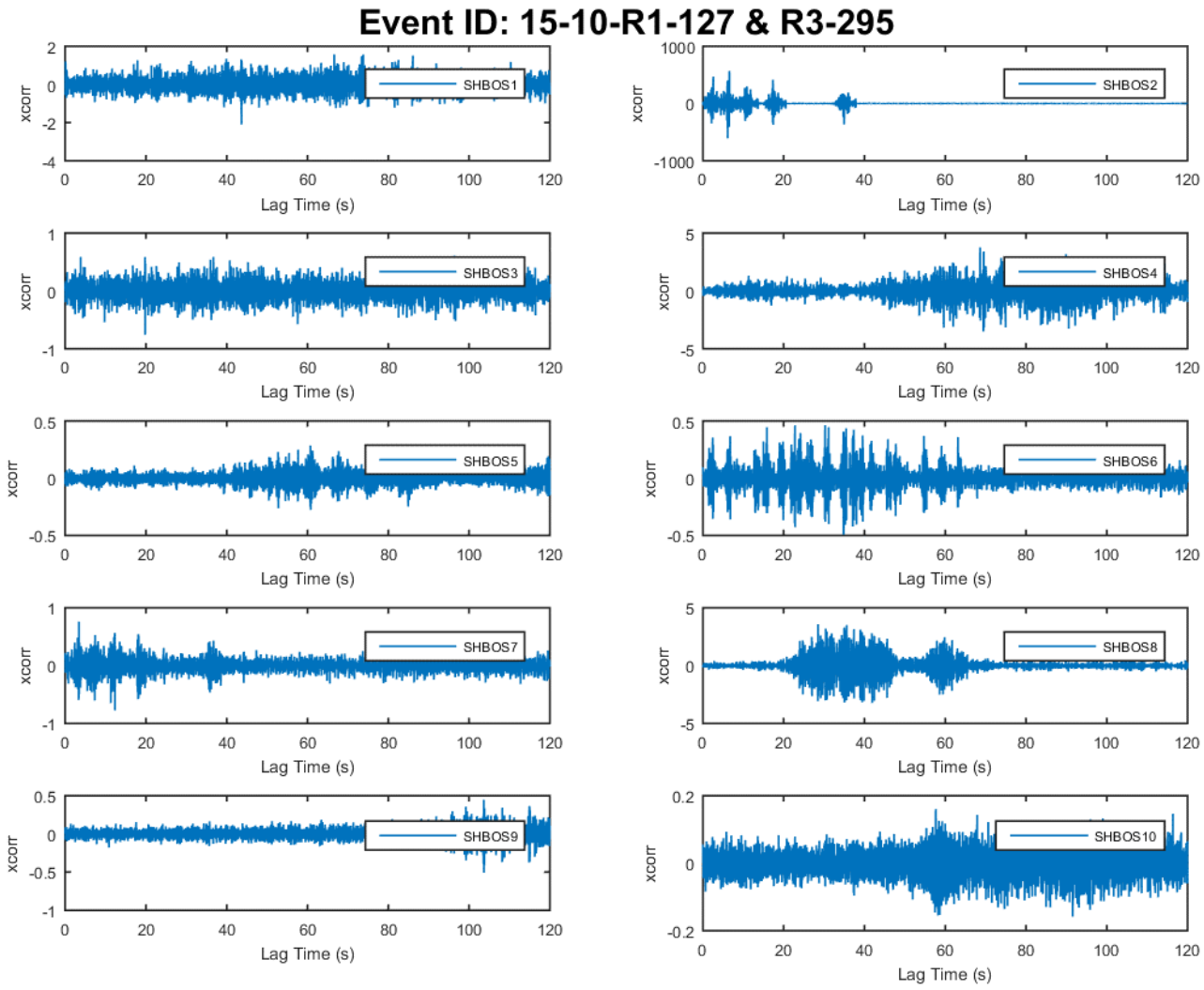


FIGURE 3.1275: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-127 & R3-295

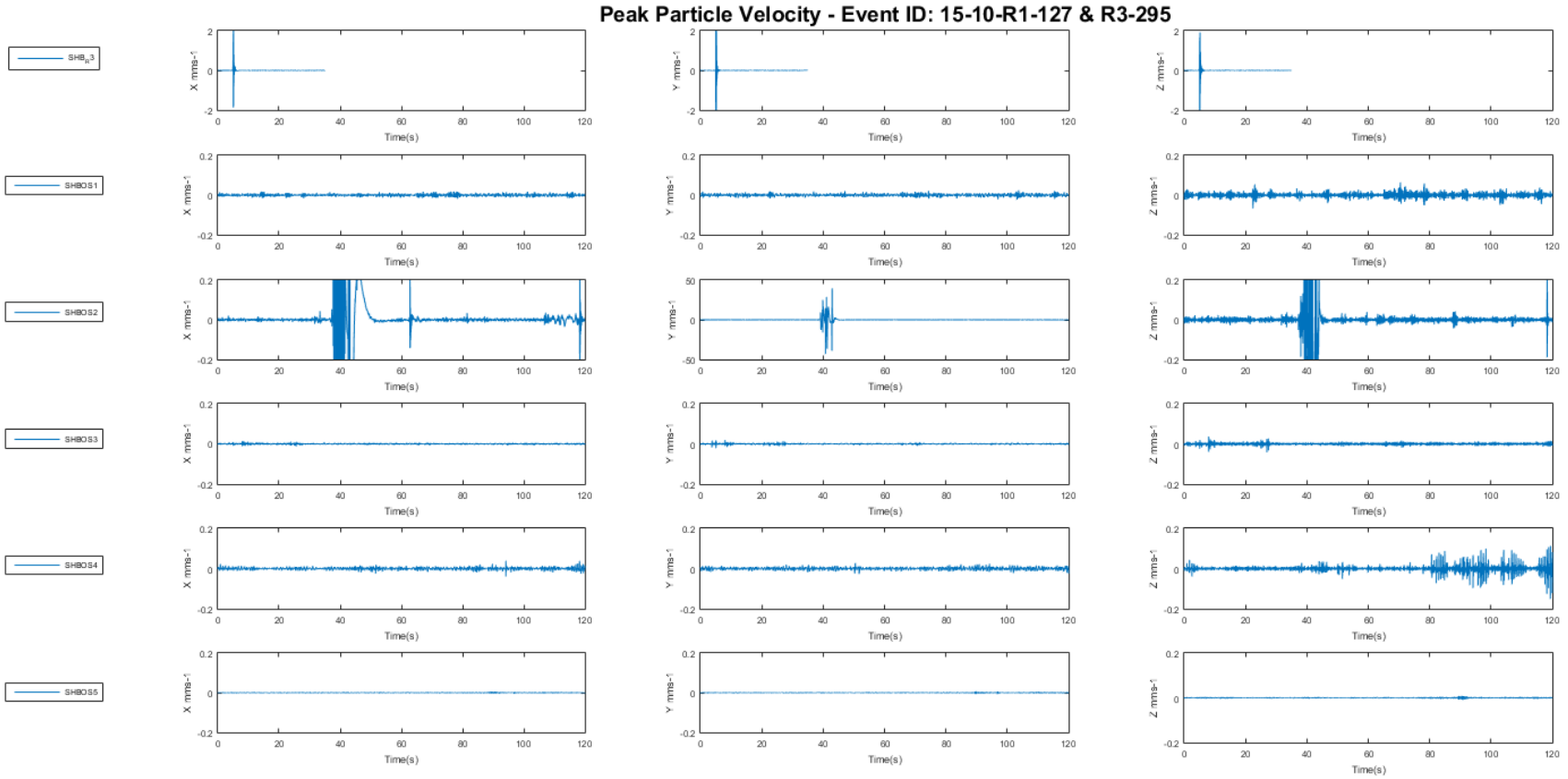


FIGURE 3.1276: SHB_OS 1 - 5 15-10-R1-127 & R3-295

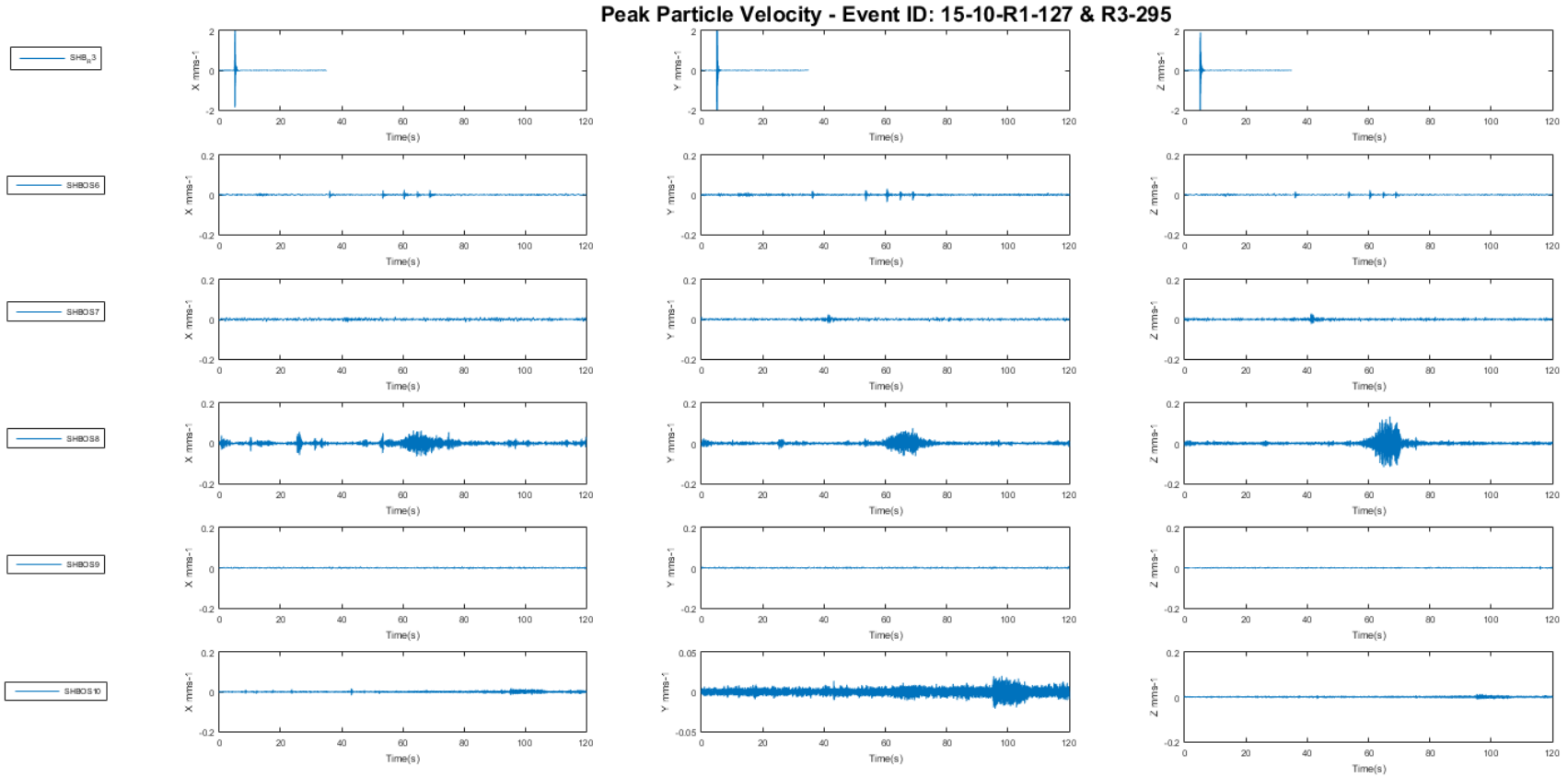


FIGURE 3.1277: SHB_OS 6 - 10 15-10-R1-127 & R3-295

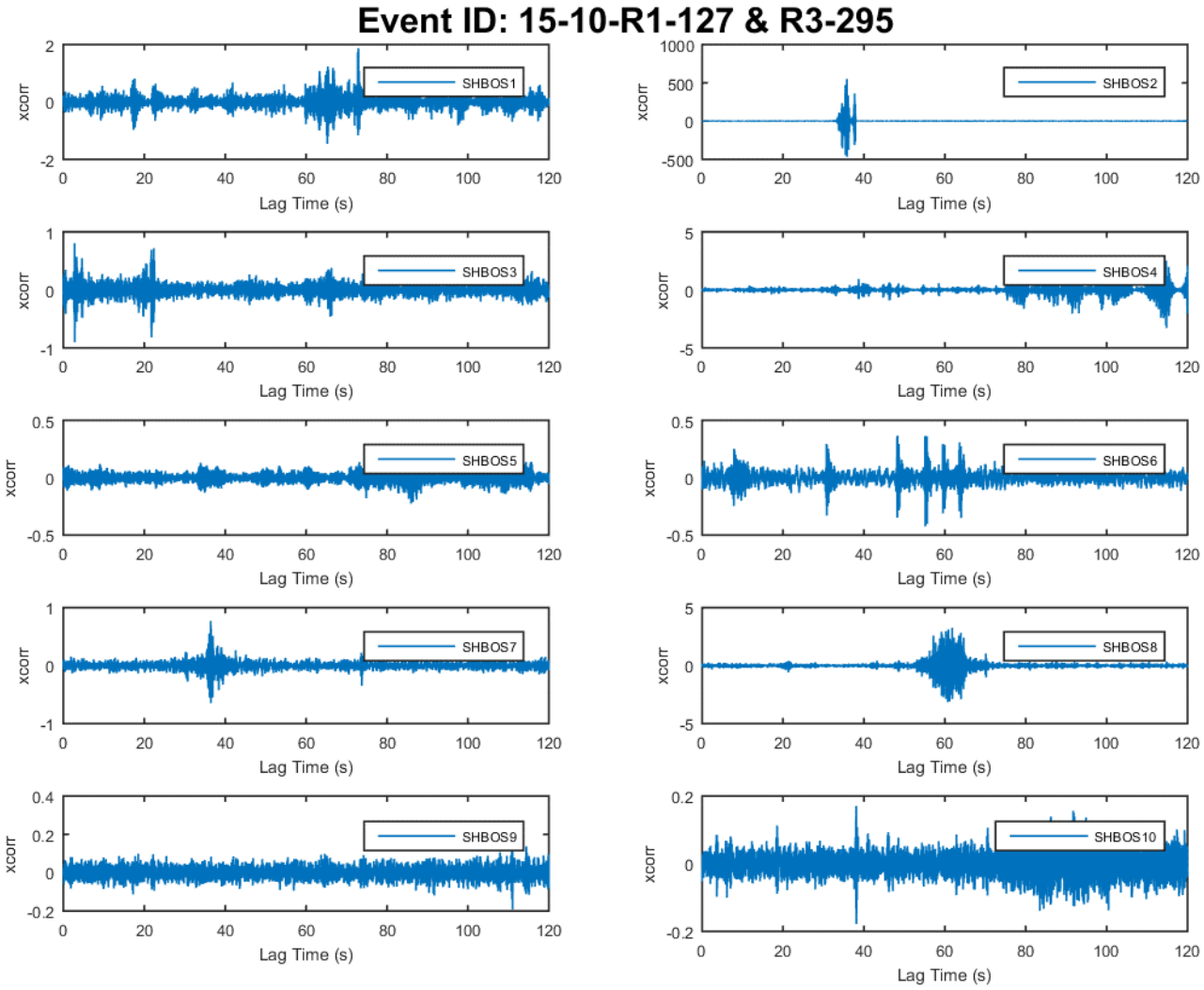


FIGURE 3.1278: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-127 & R3-295

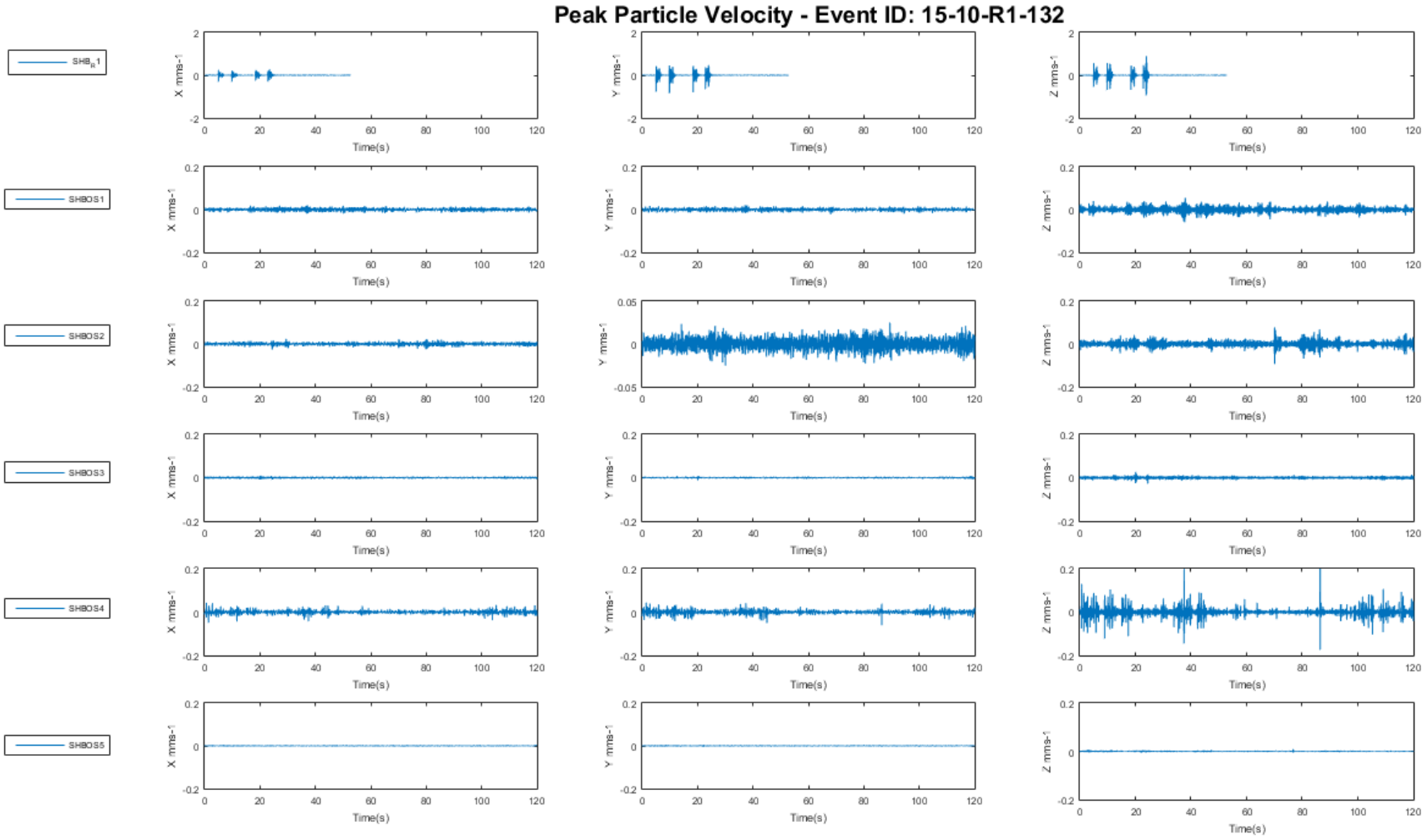


FIGURE 3.1279: SHB_OS 1 - 5 15-10-R1-132

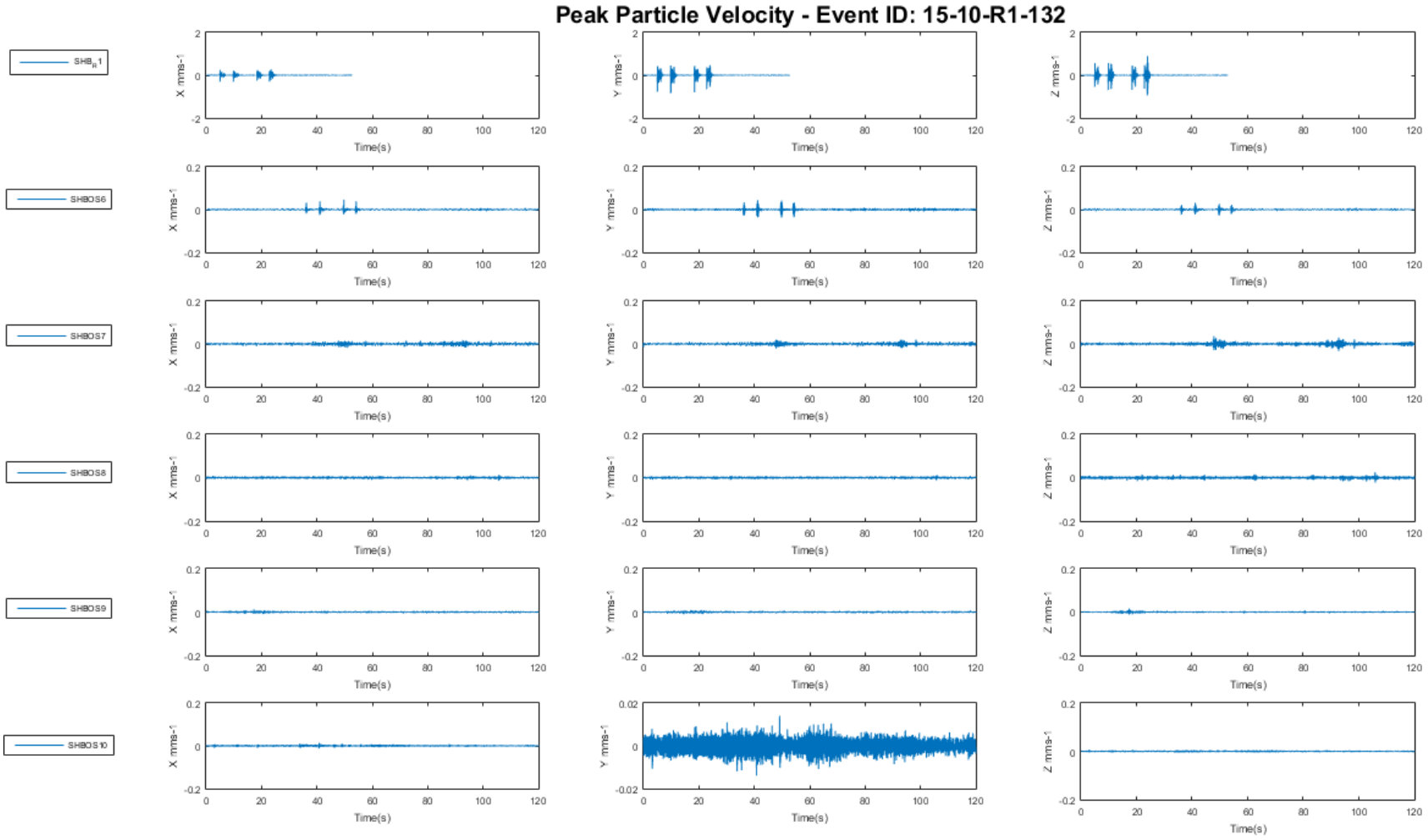


FIGURE 3.1280: SHB_OS 6 - 10 15-10-R1-132

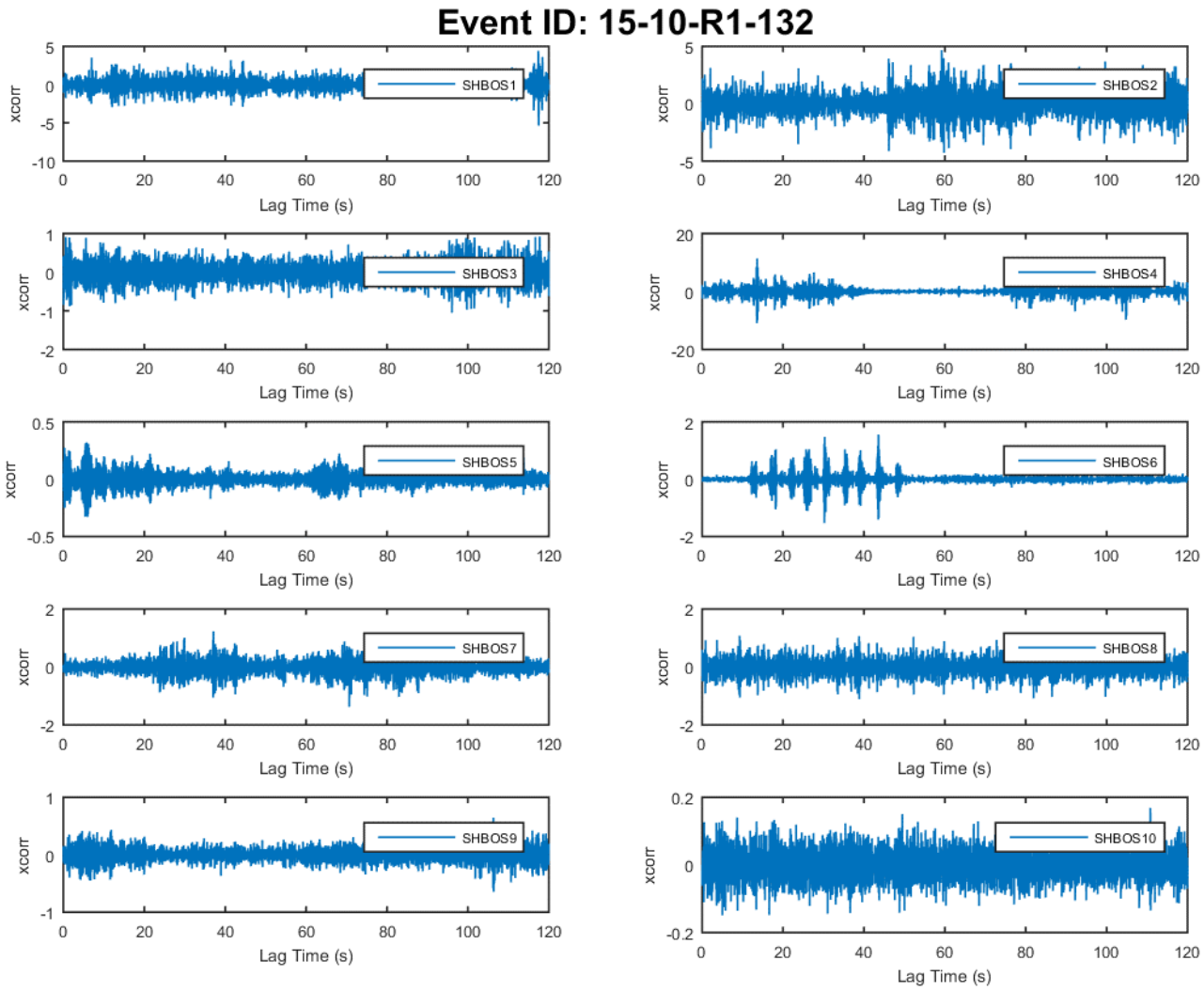


FIGURE 3.1281: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-132

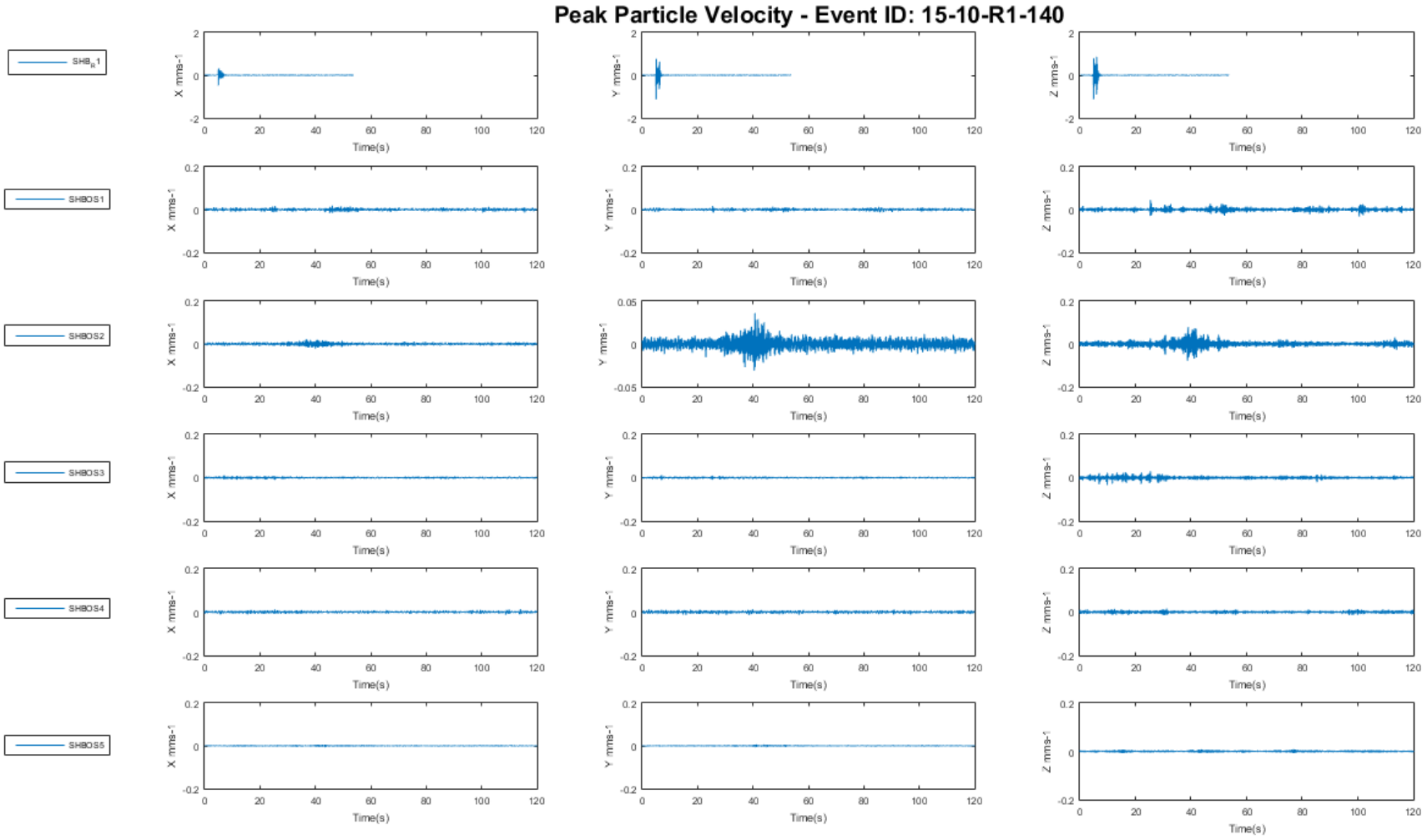


FIGURE 3.1282: SHB_OS 1 - 5 15-10-R1-140

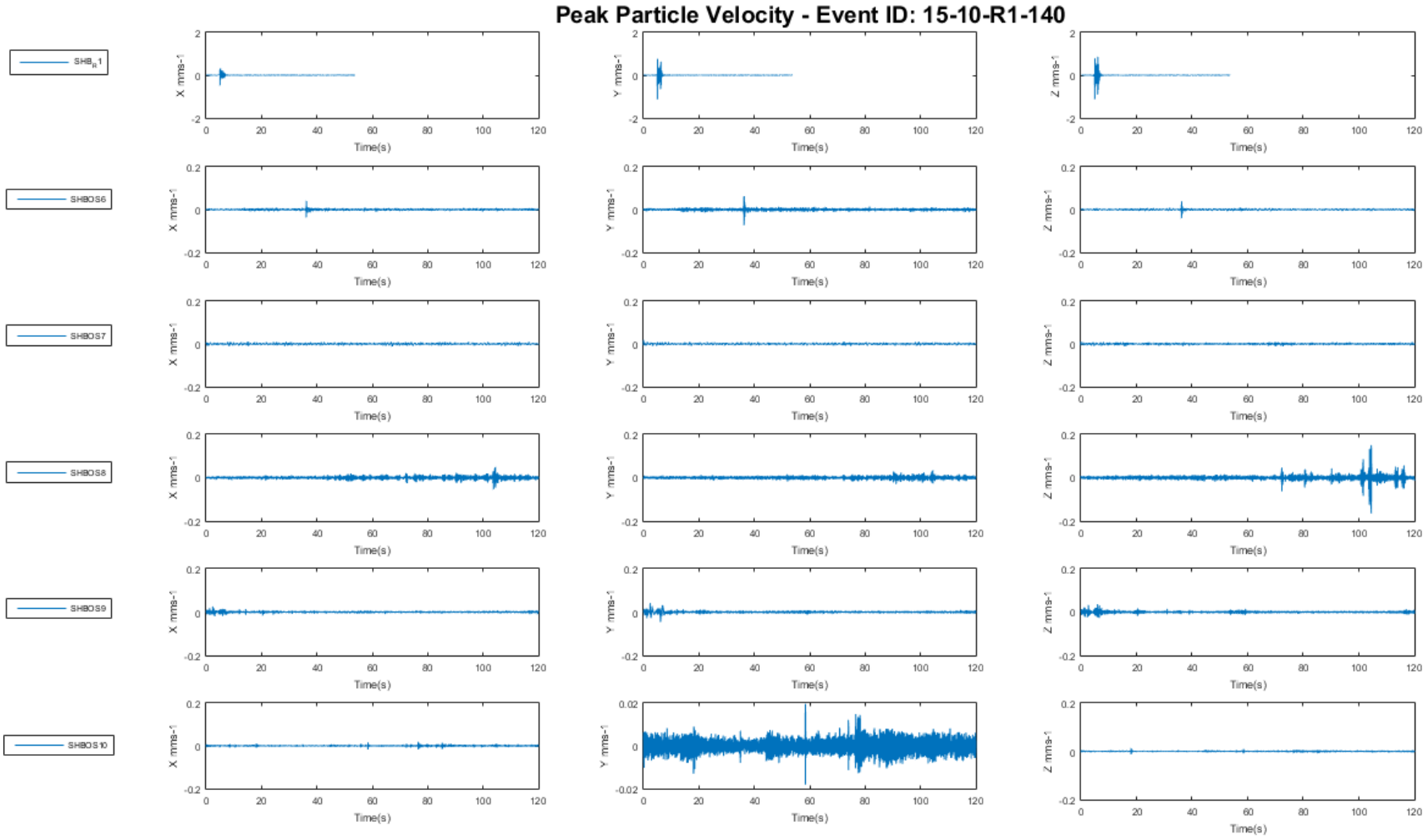


FIGURE 3.1283: SHB_OS 6 - 10 15-10-R1-140

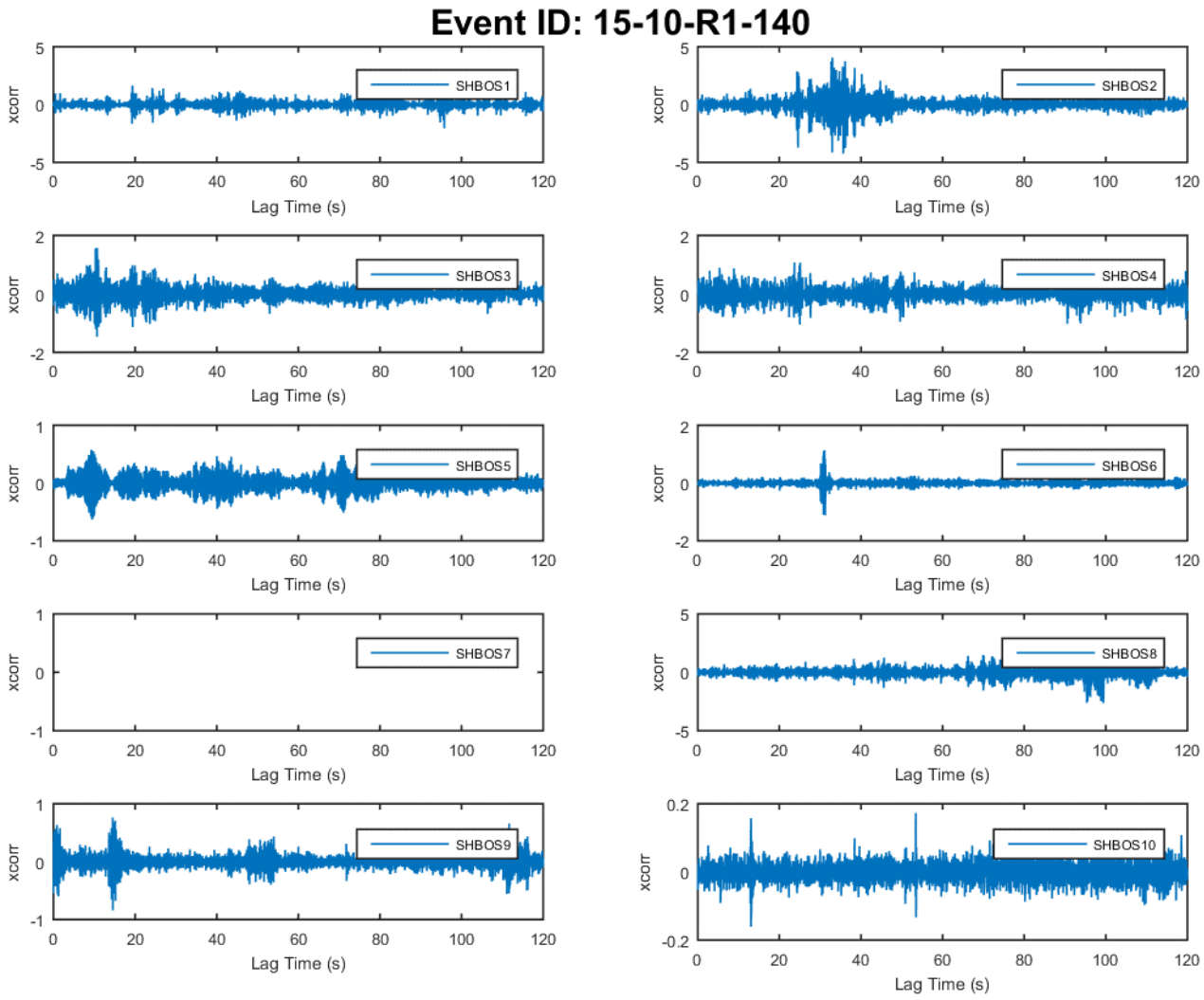


FIGURE 3.1284: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-140

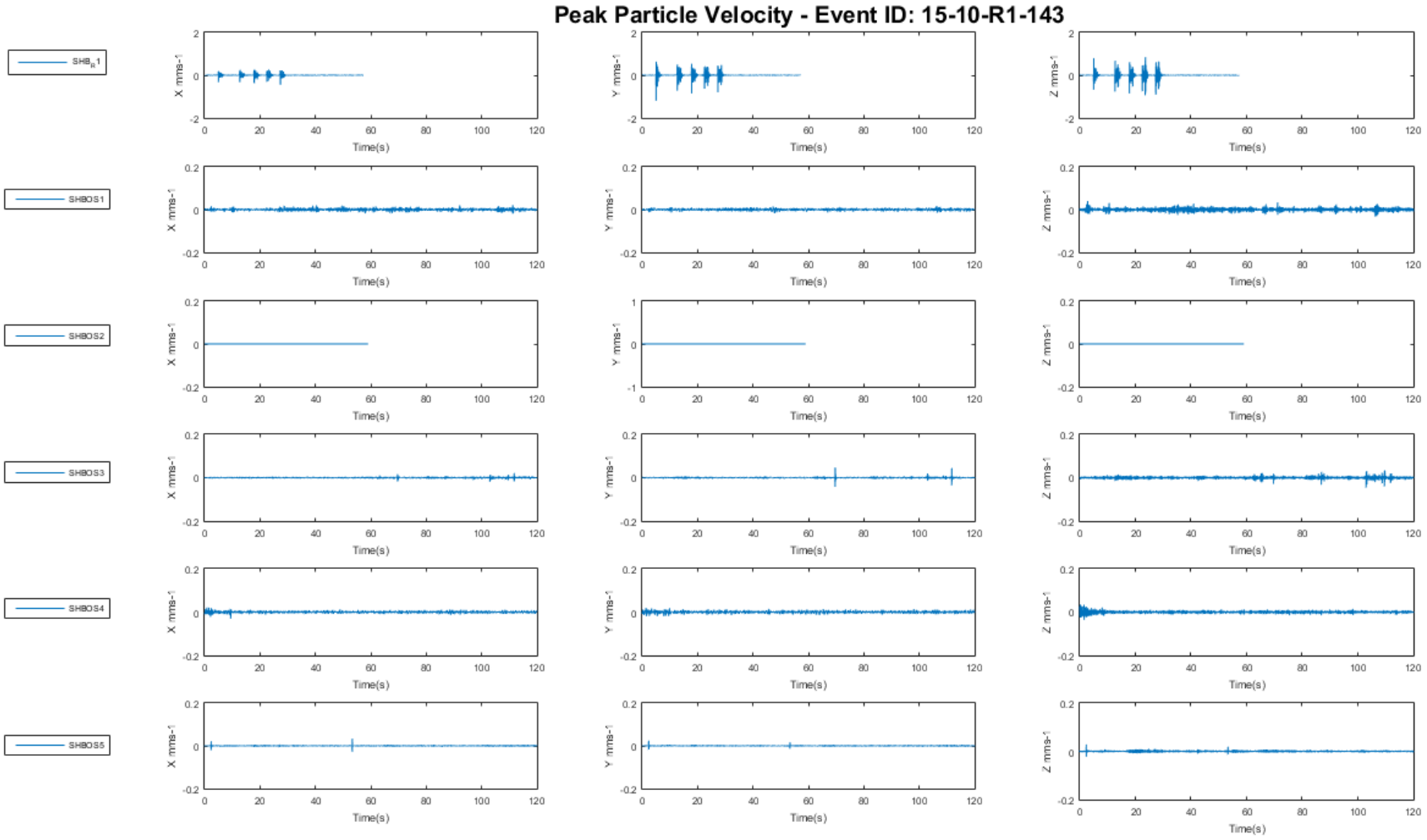


FIGURE 3.1285: SHB_OS 1 - 5 15-10-R1-143

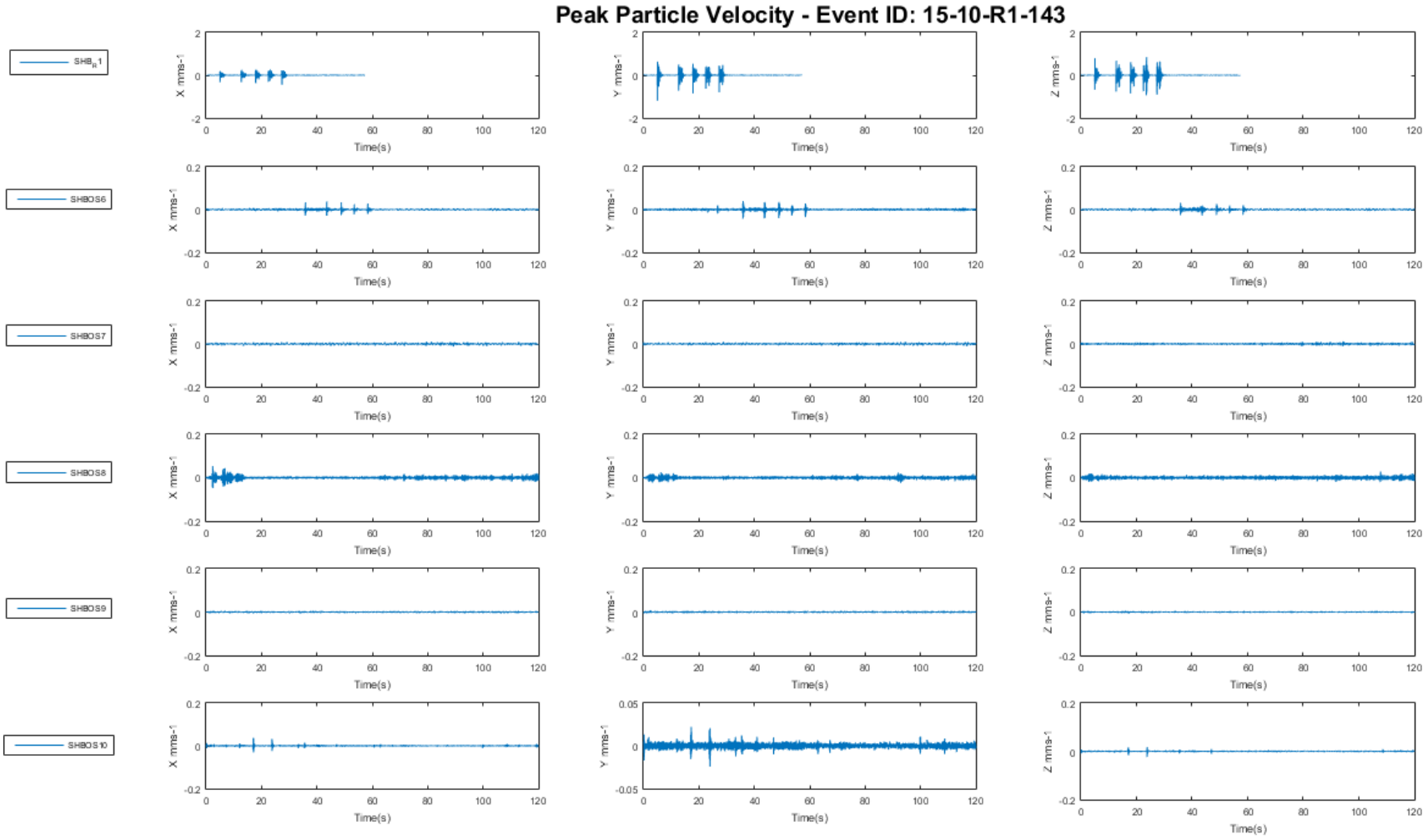


FIGURE 3.1286: SHB_OS 6 - 10 15-10-R1-143

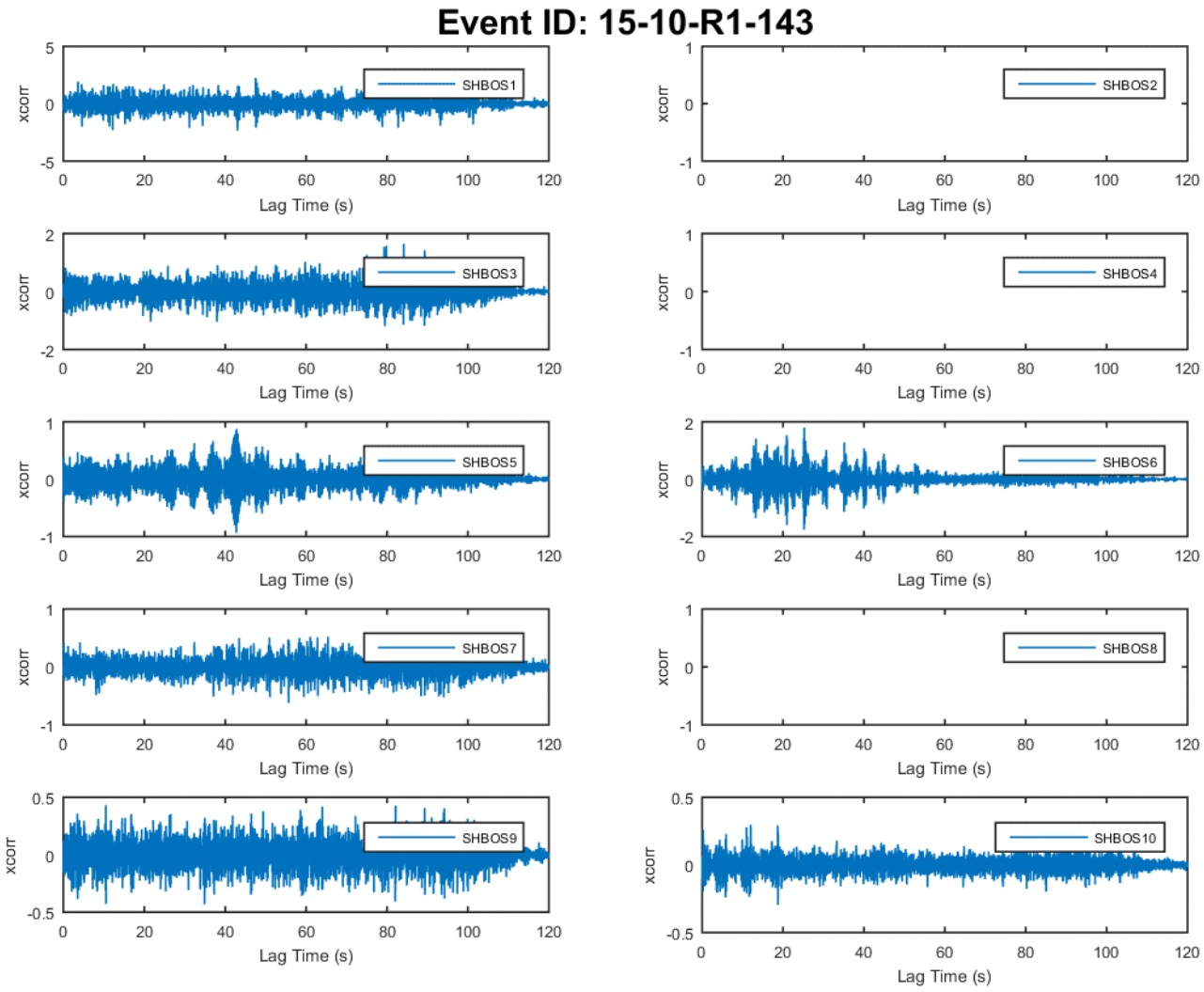


FIGURE 3.1287: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-143

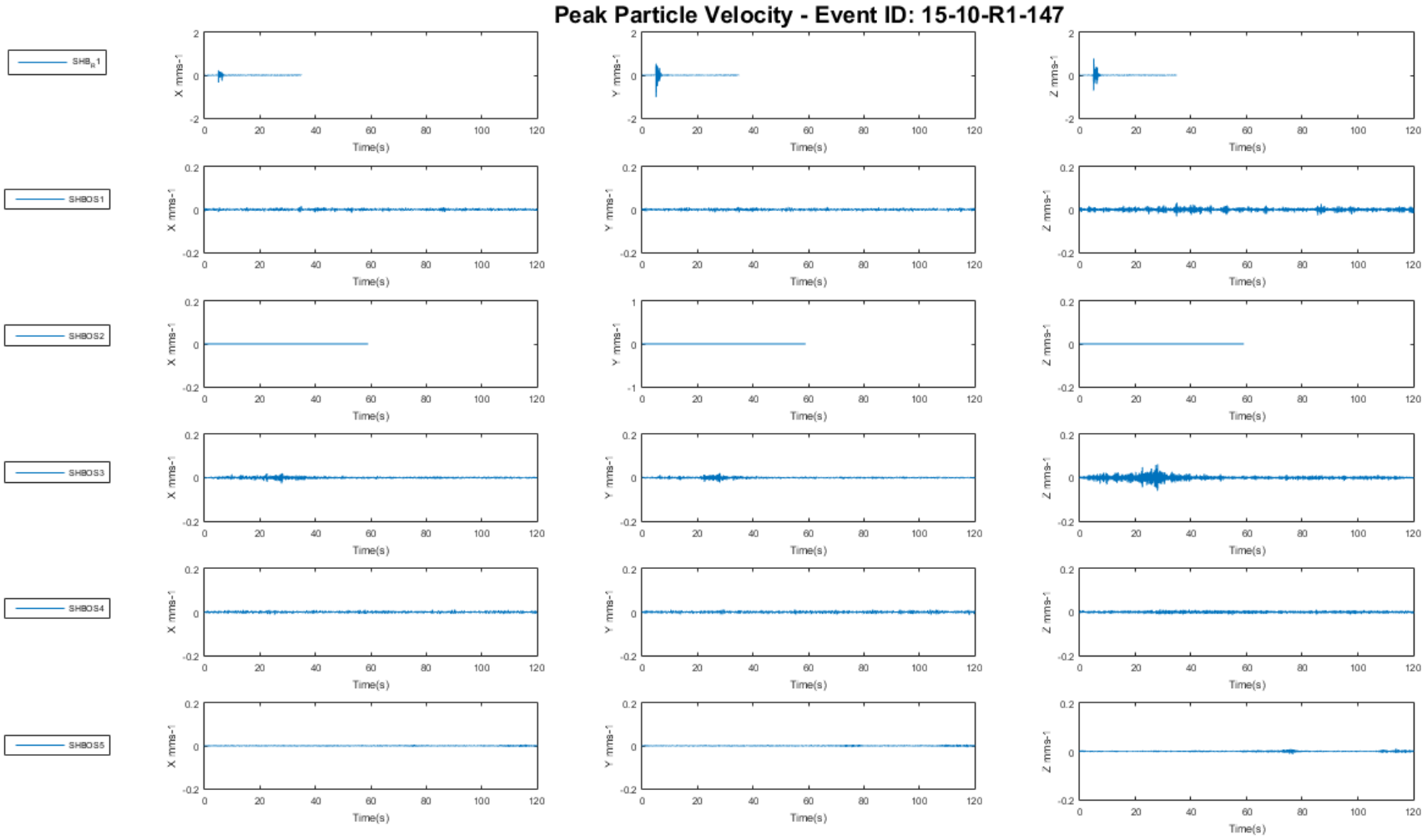


FIGURE 3.1288: SHB_OS 1 - 5 15-10-R1-147

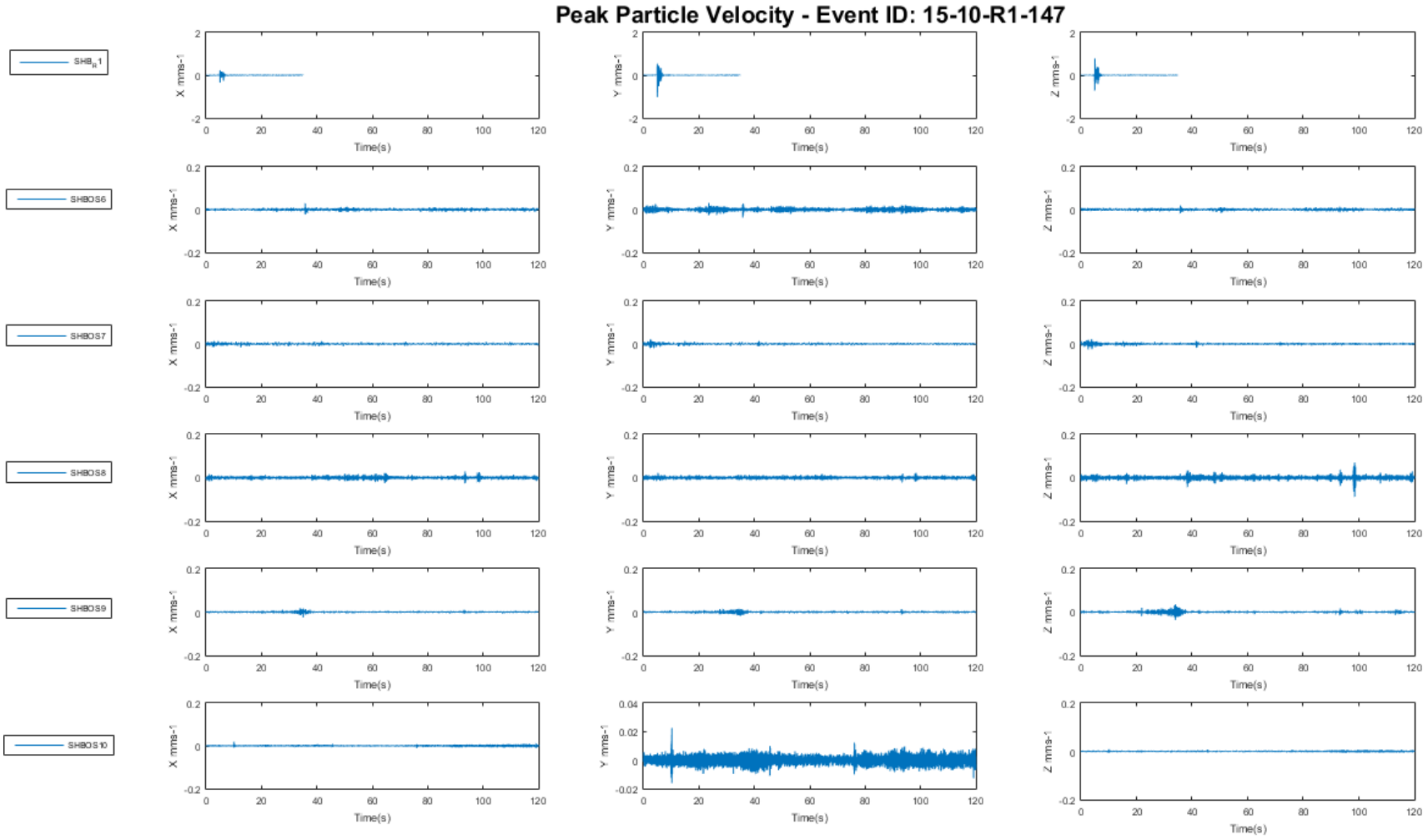


FIGURE 3.1289: SHB_OS 6 - 10 15-10-R1-147

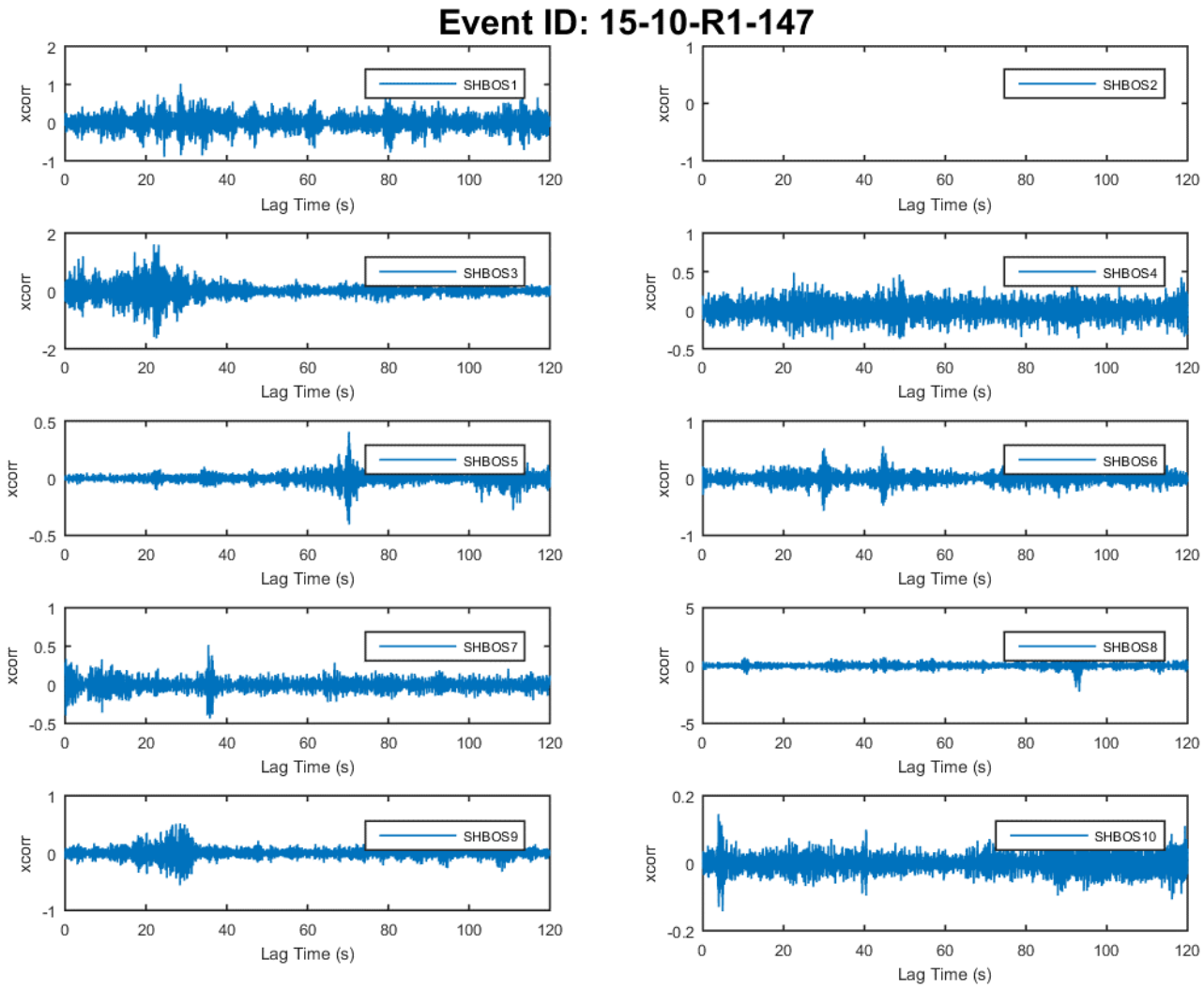


FIGURE 3.1290: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-147

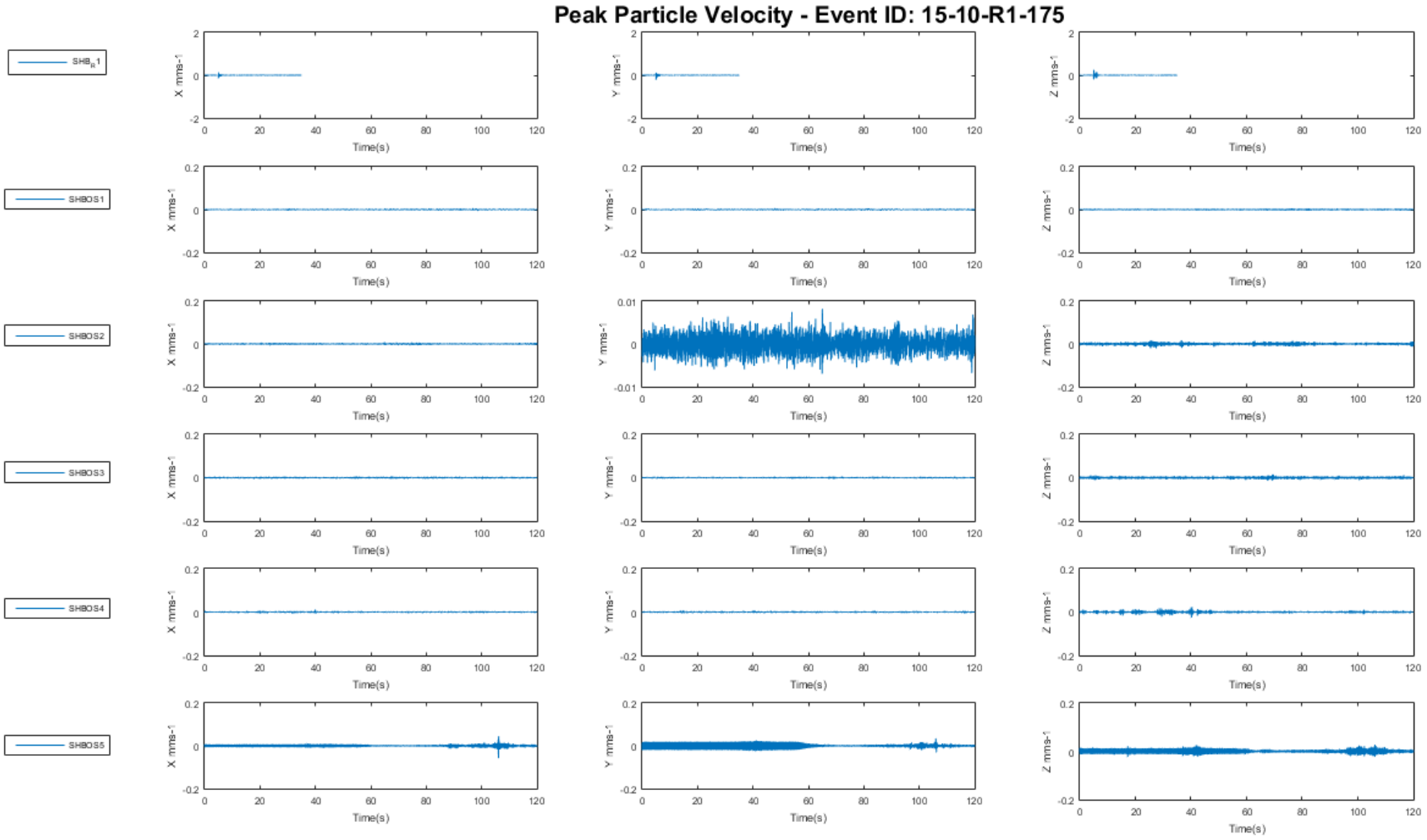


FIGURE 3.1291: SHB_OS 1 - 5 15-10-R1-175

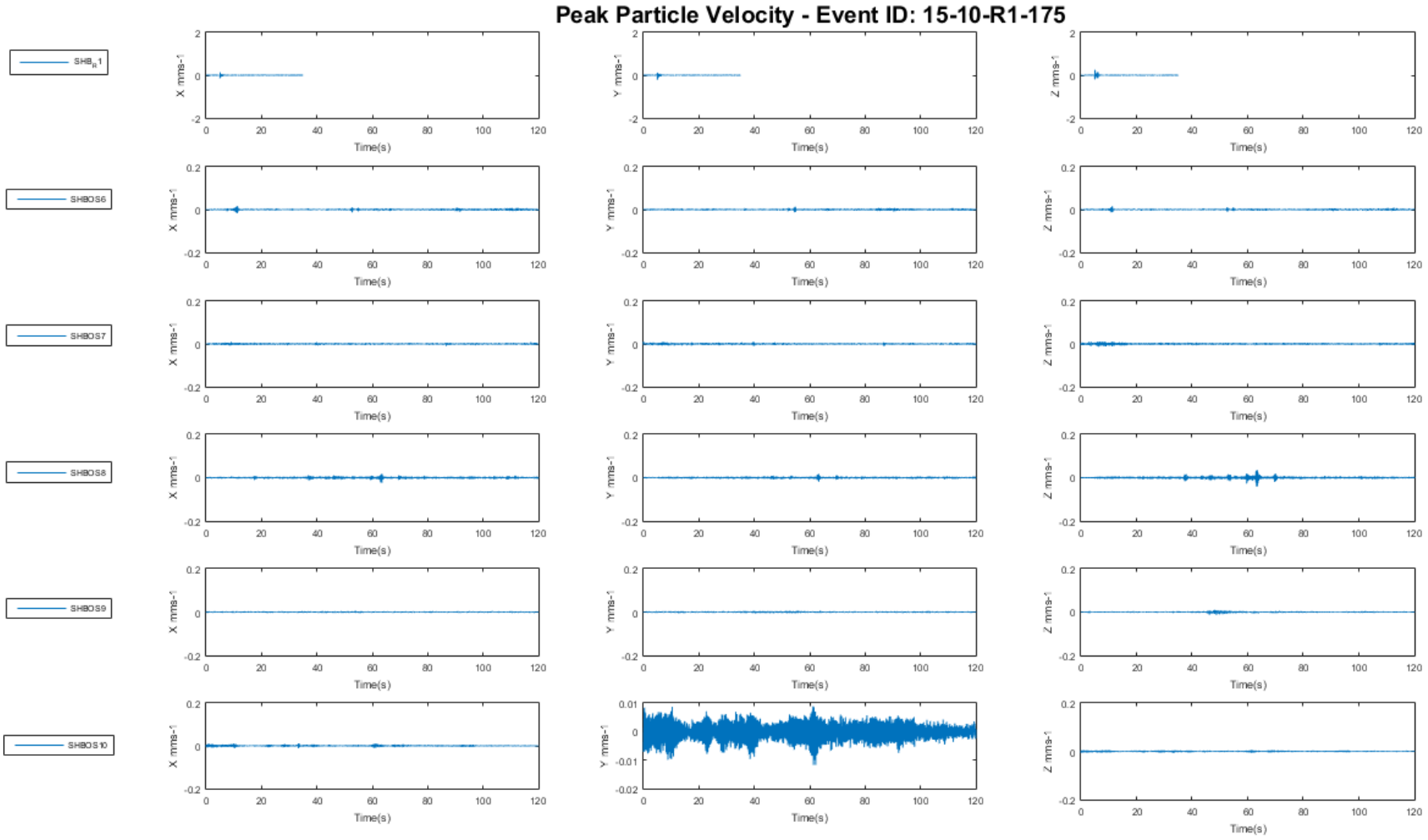


FIGURE 3.1292: SHB_OS 6 - 10 15-10-R1-175

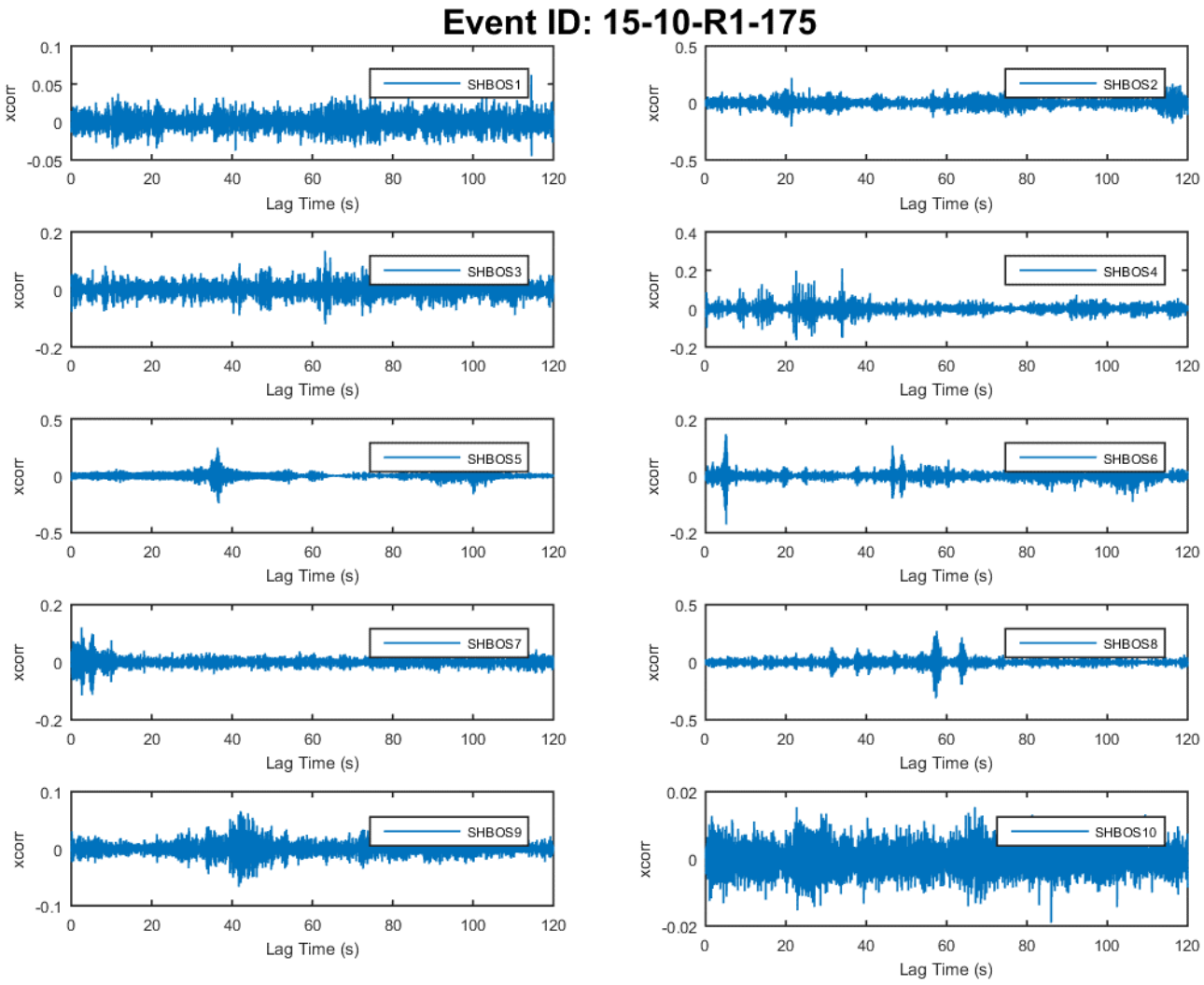


FIGURE 3.1293: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-175

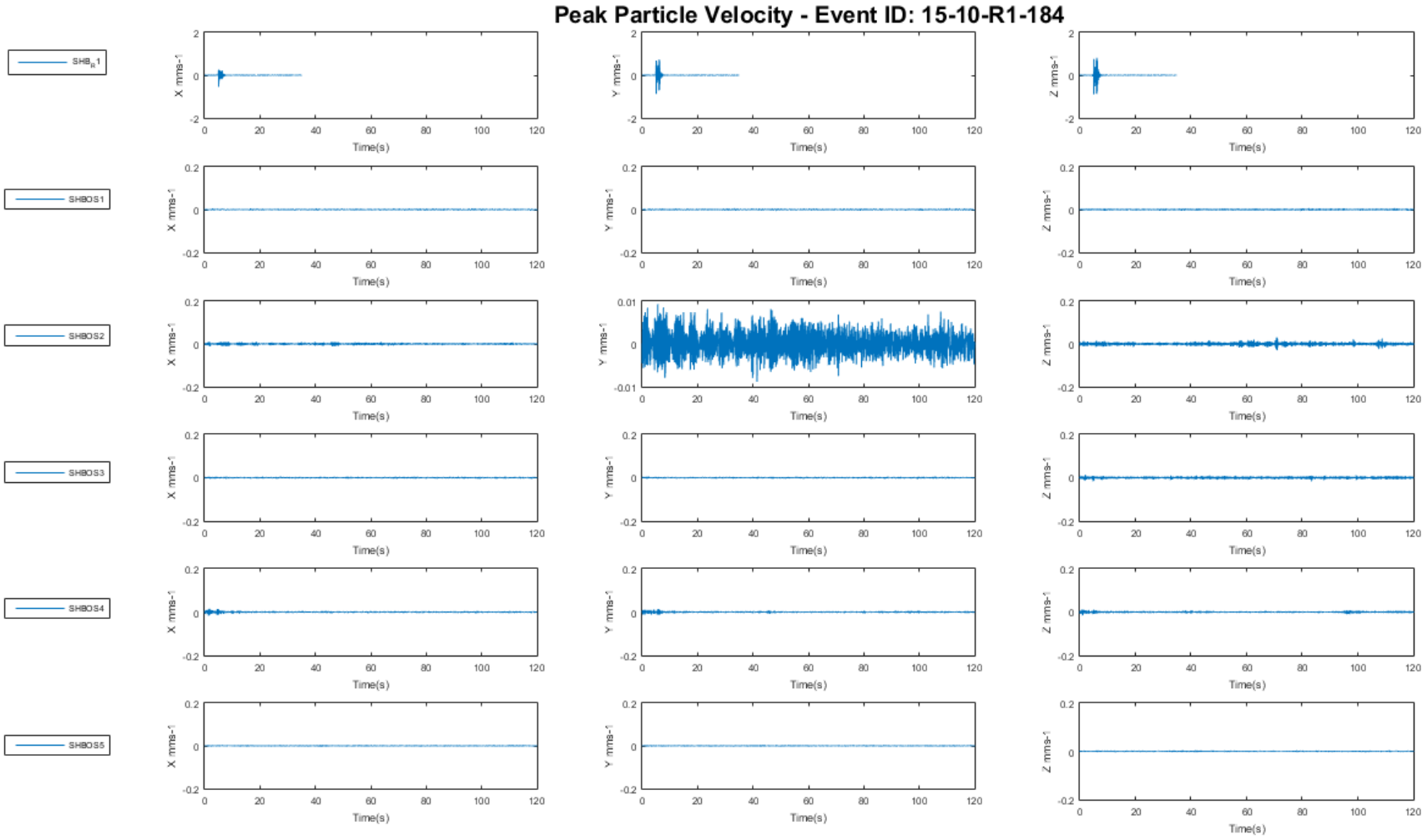


FIGURE 3.1294: SHB_OS 1 - 5 15-10-R1-184

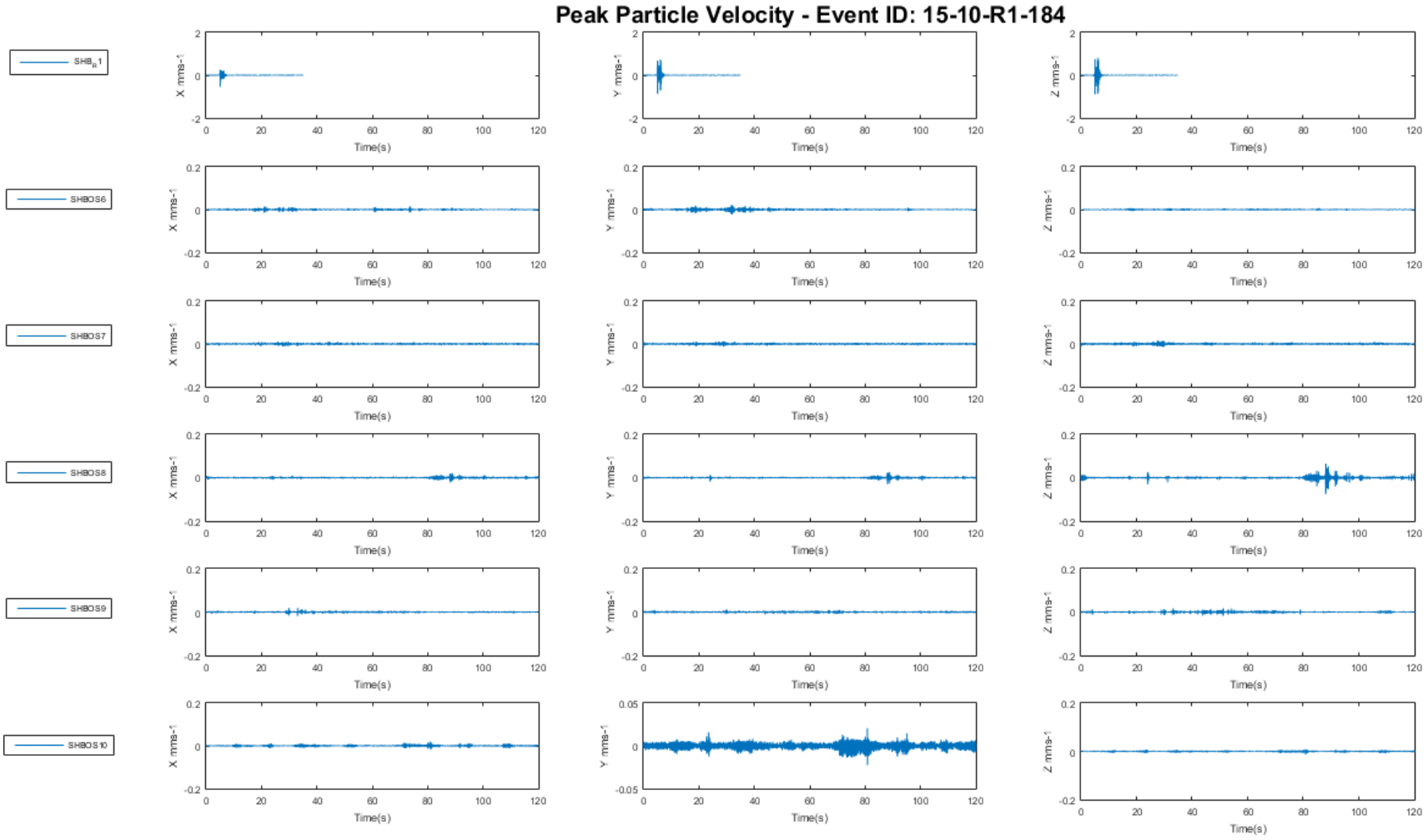


FIGURE 3.1295: SHB_OS 6 - 10 15-10-R1-184

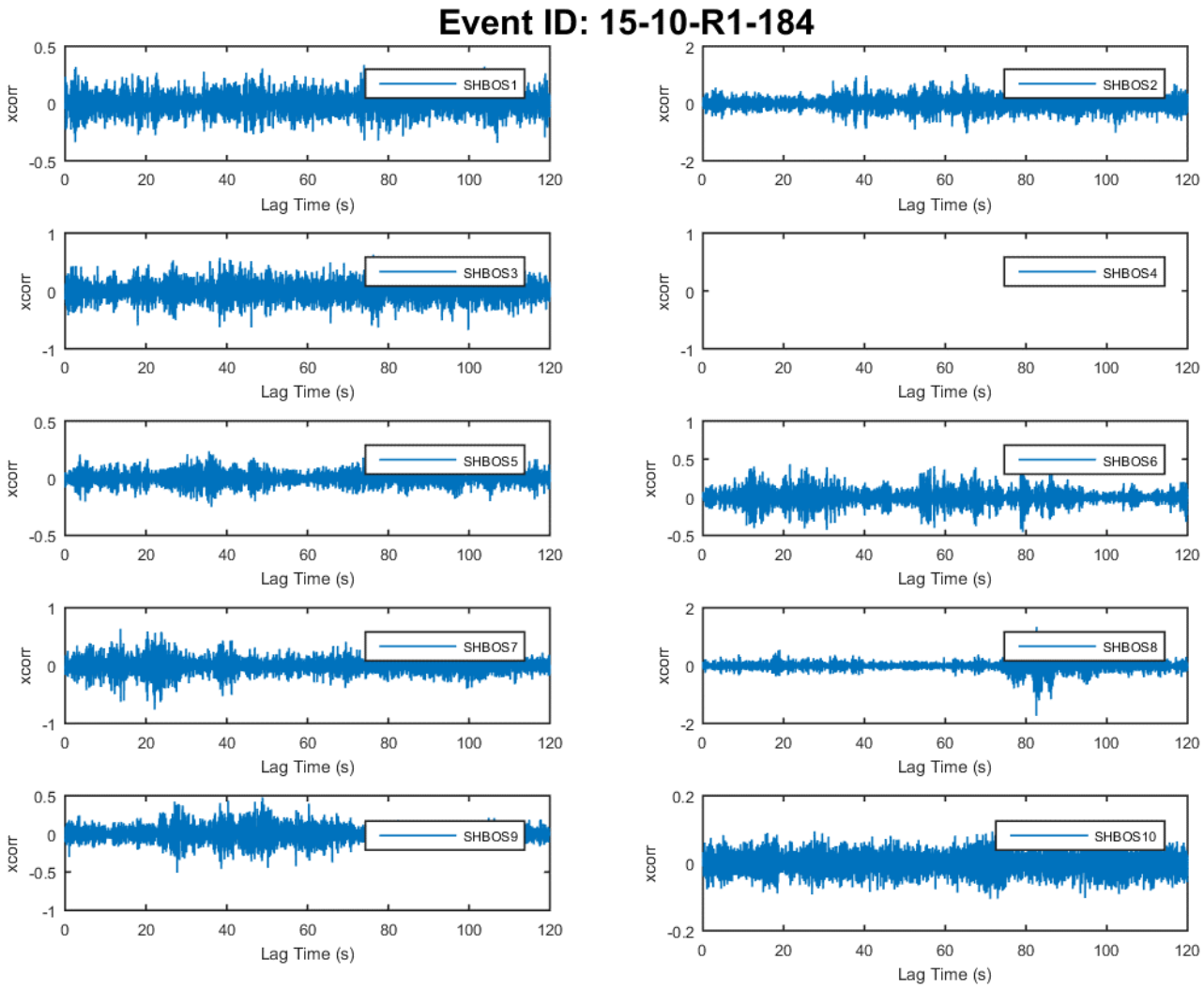


FIGURE 3.1296: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-184

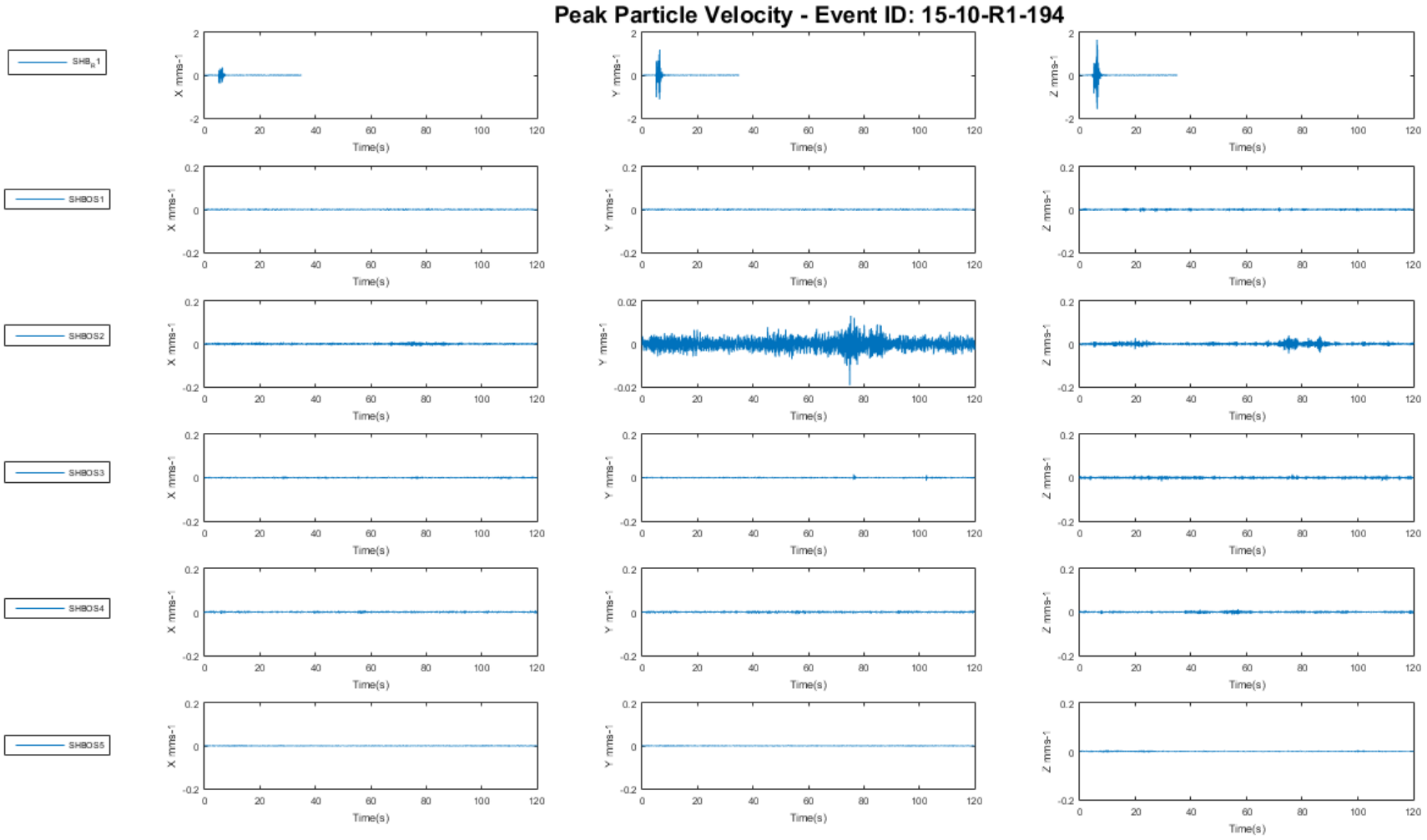


FIGURE 3.1297: SHB_OS 1 - 5 15-10-R1-194

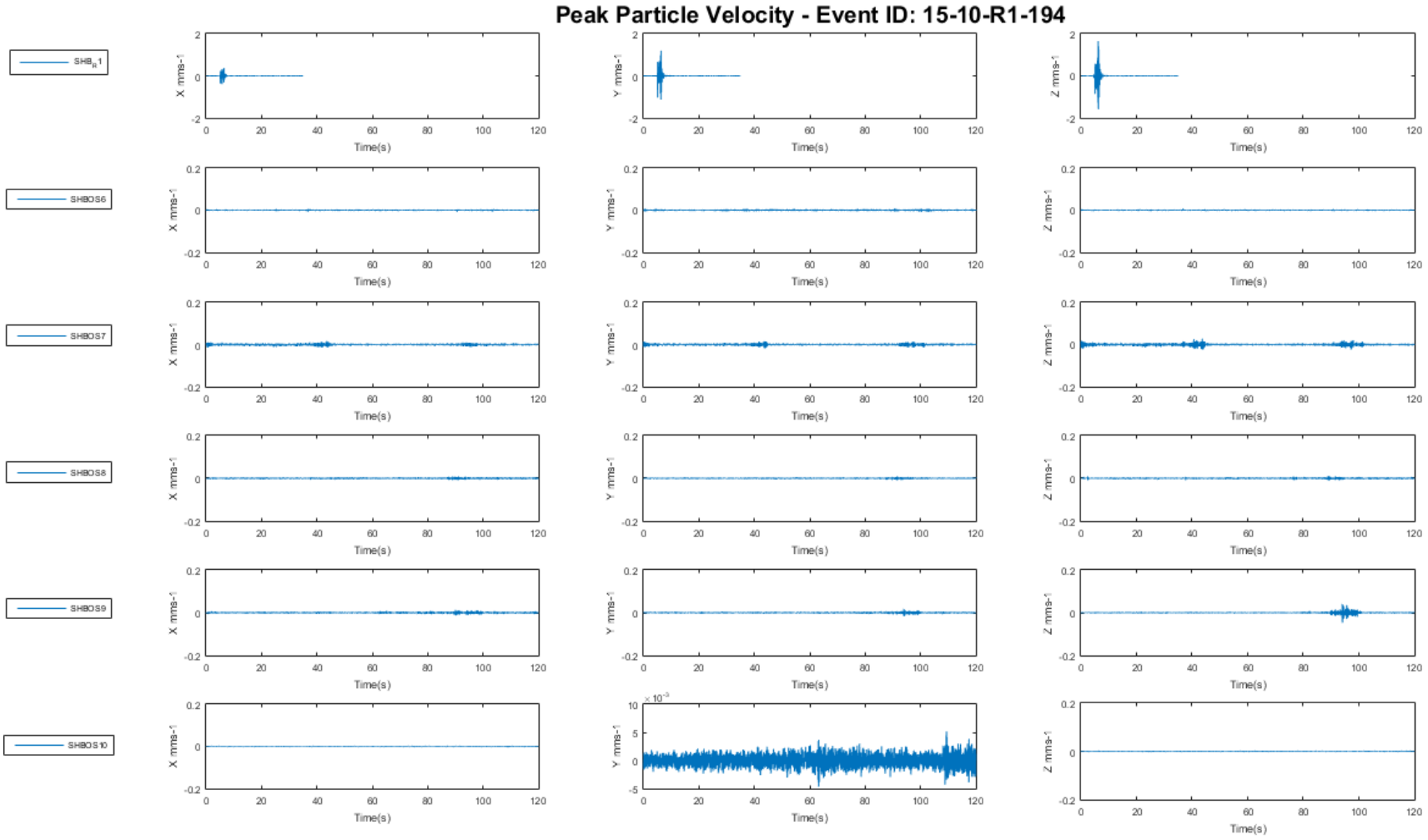


FIGURE 3.1298: SHB_OS 6 - 10 15-10-R1-194

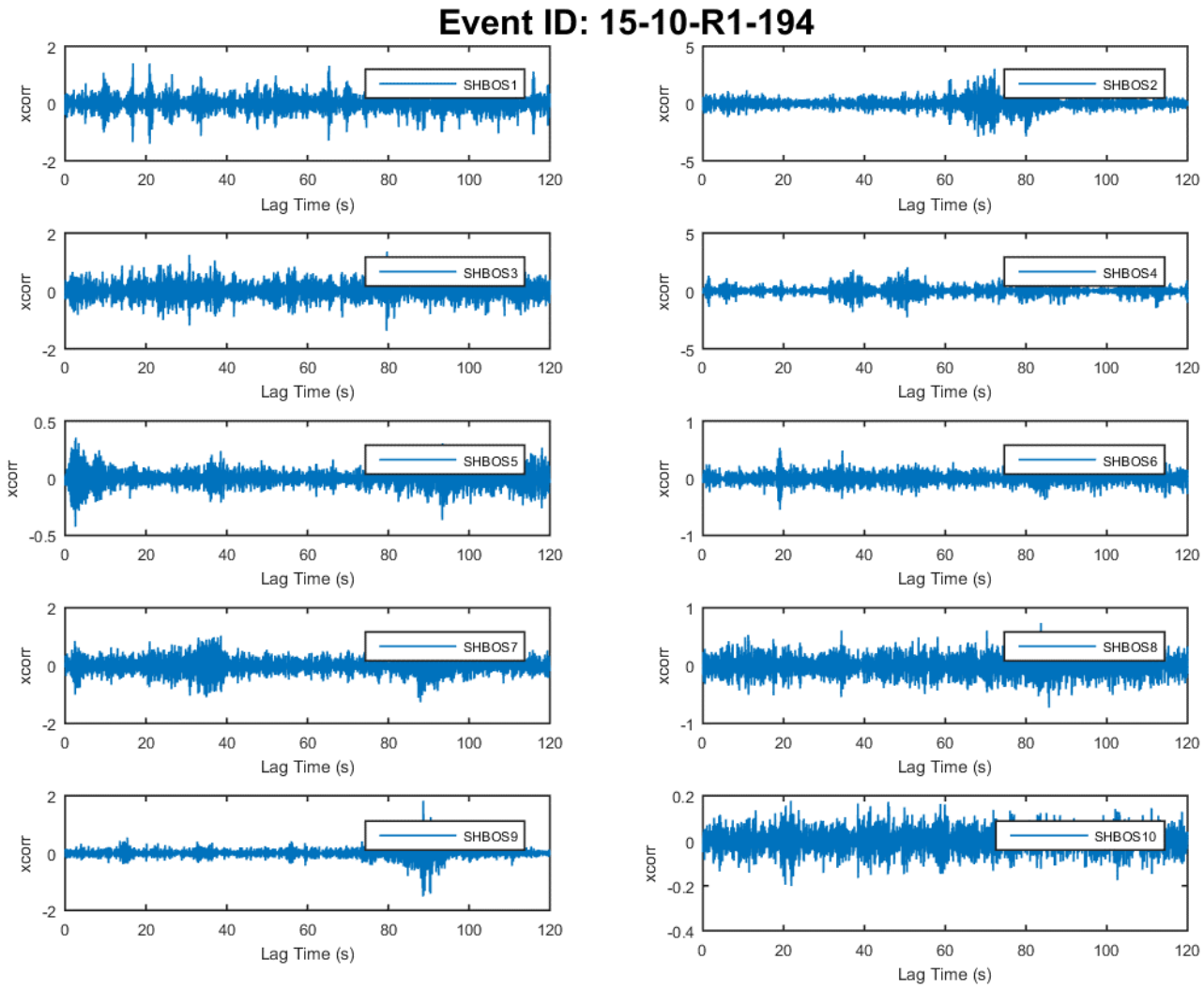


FIGURE 3.1299: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-194

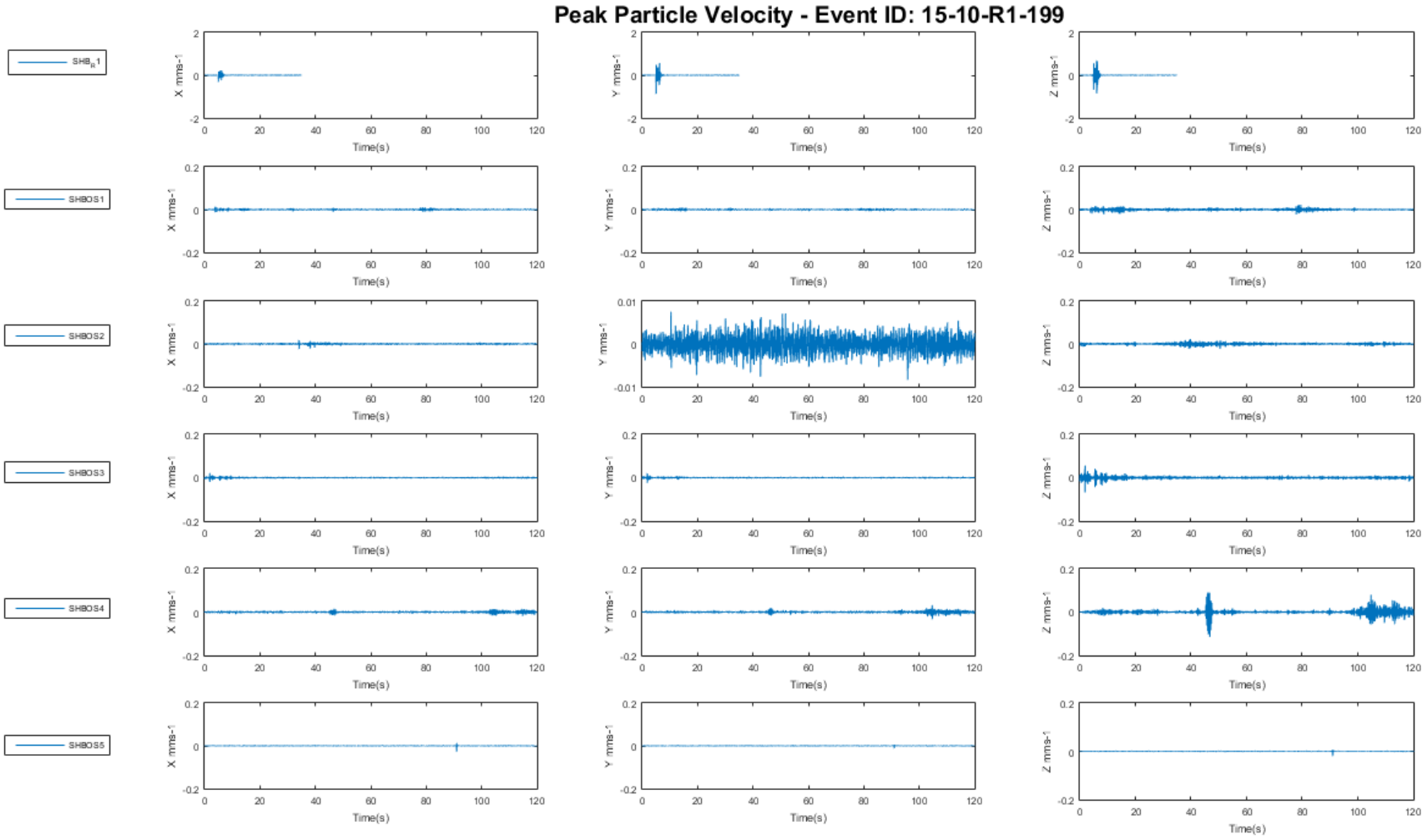


FIGURE 3.1300: SHB_OS 1 - 5 15-10-R1-199

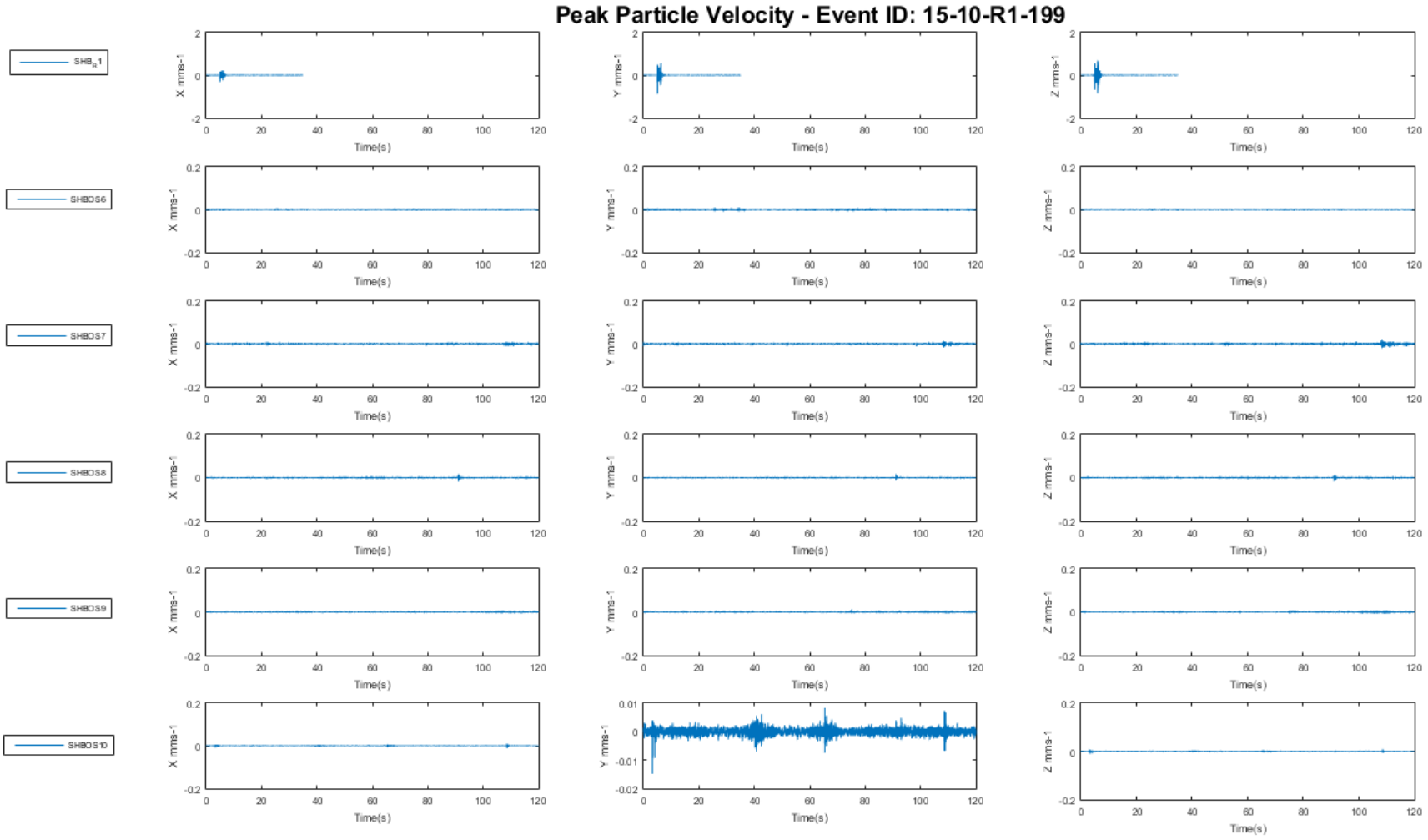


FIGURE 3.1301: SHB_OS 6 - 10 15-10-R1-199

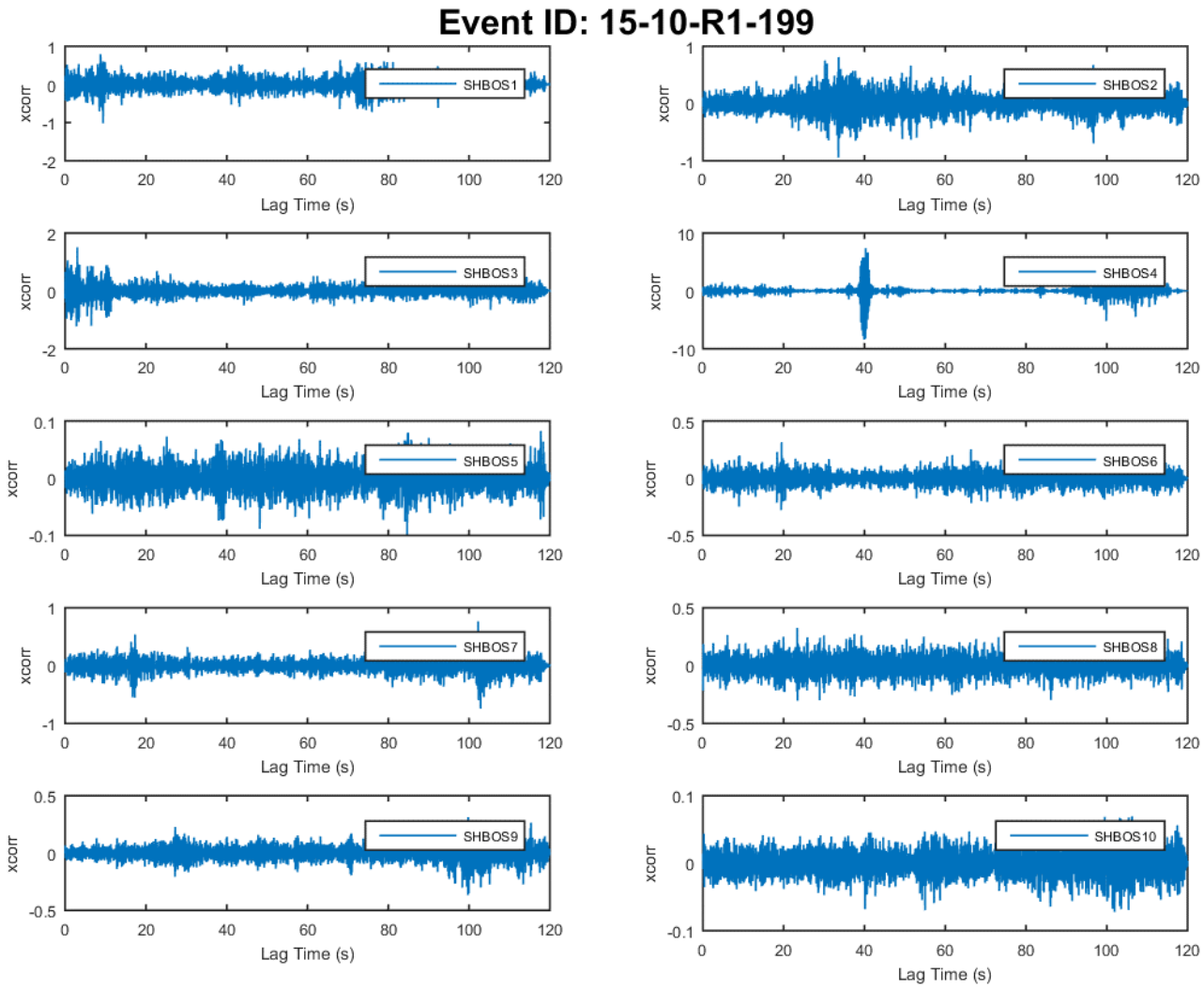


FIGURE 3.1302: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-199

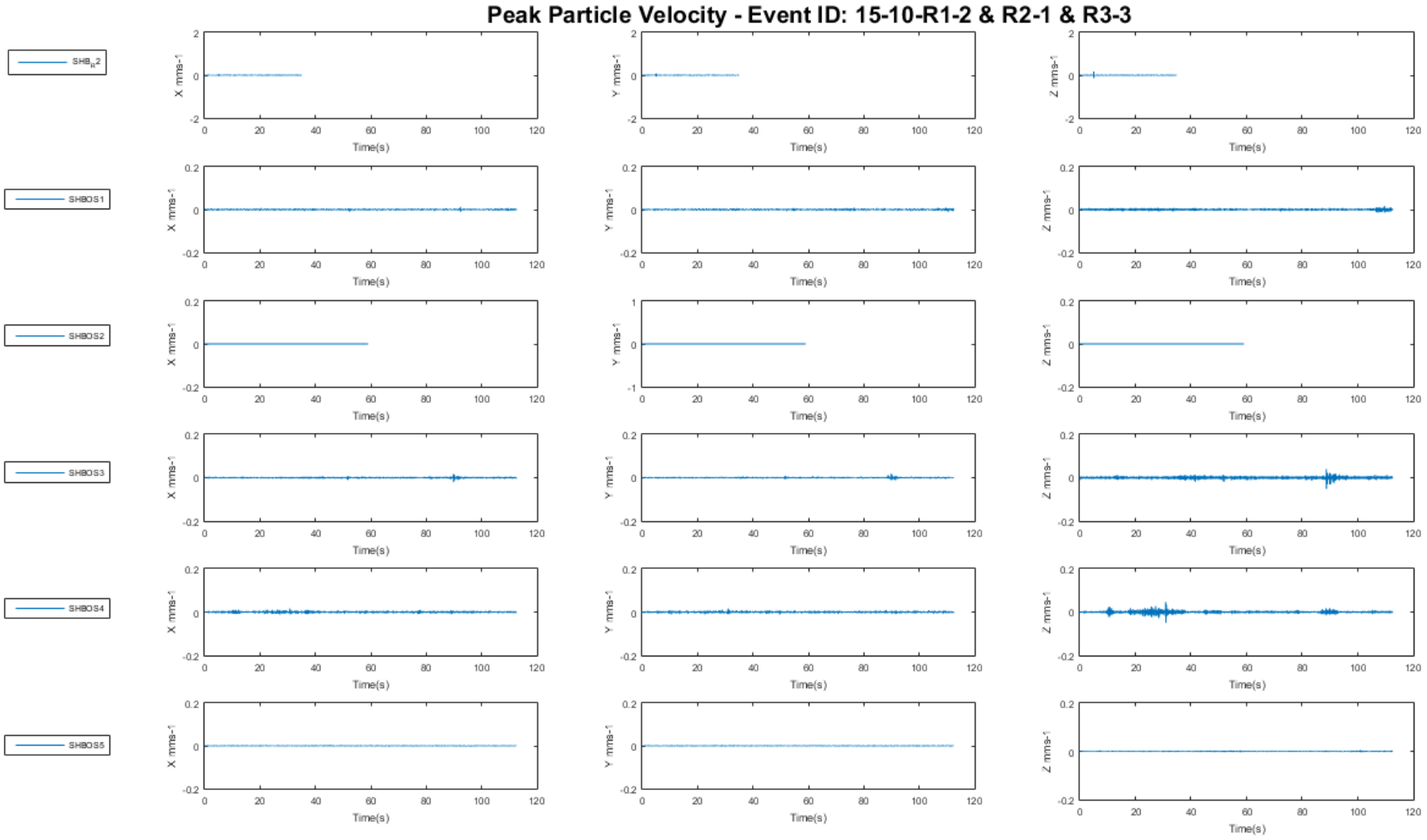


FIGURE 3.1303: SHB_OS 1 - 5 15-10-R1-2 & R2-1 & R3-3

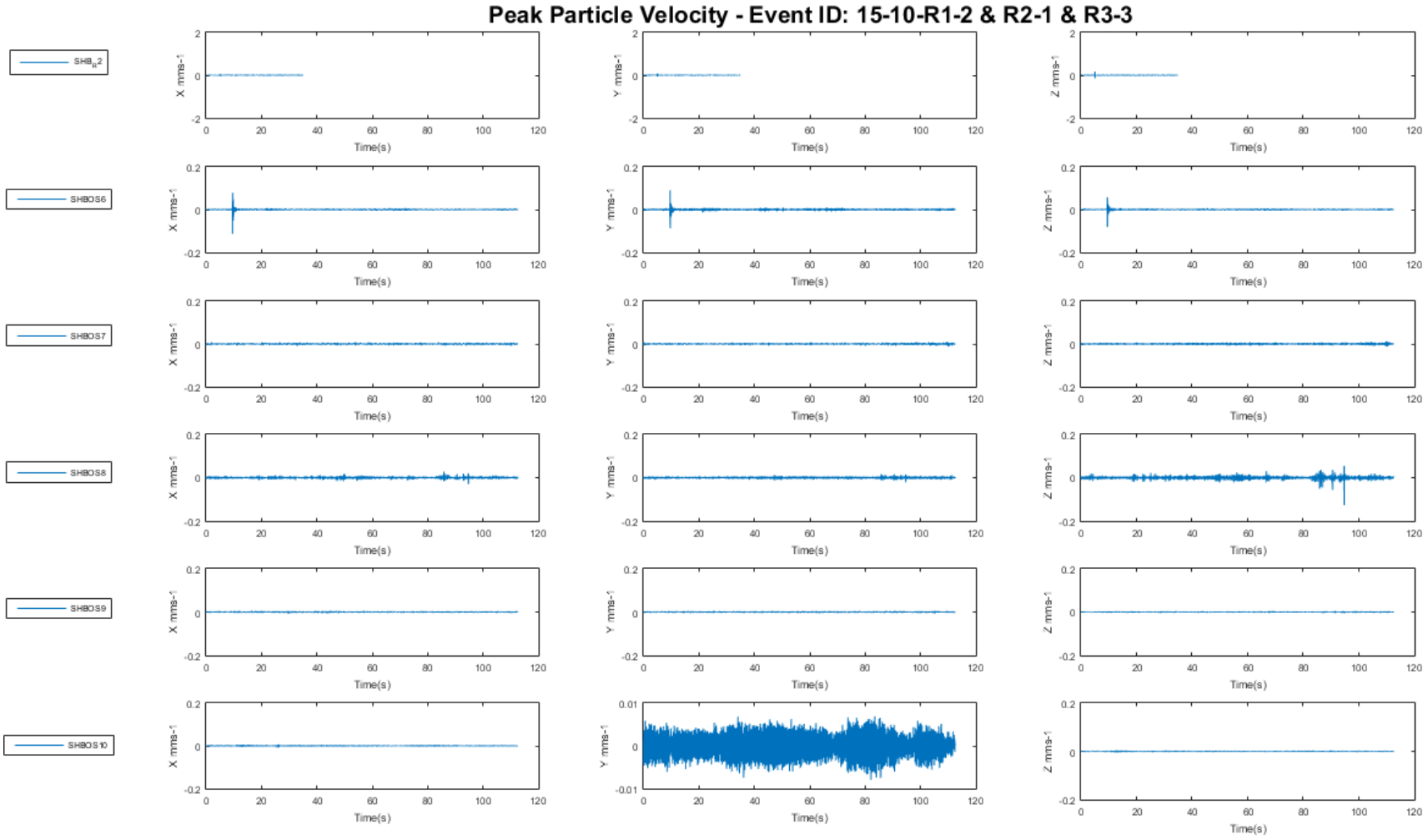


FIGURE 3.1304: SHB_OS 6 - 10 15-10-R1-2 & R2-1 & R3-3

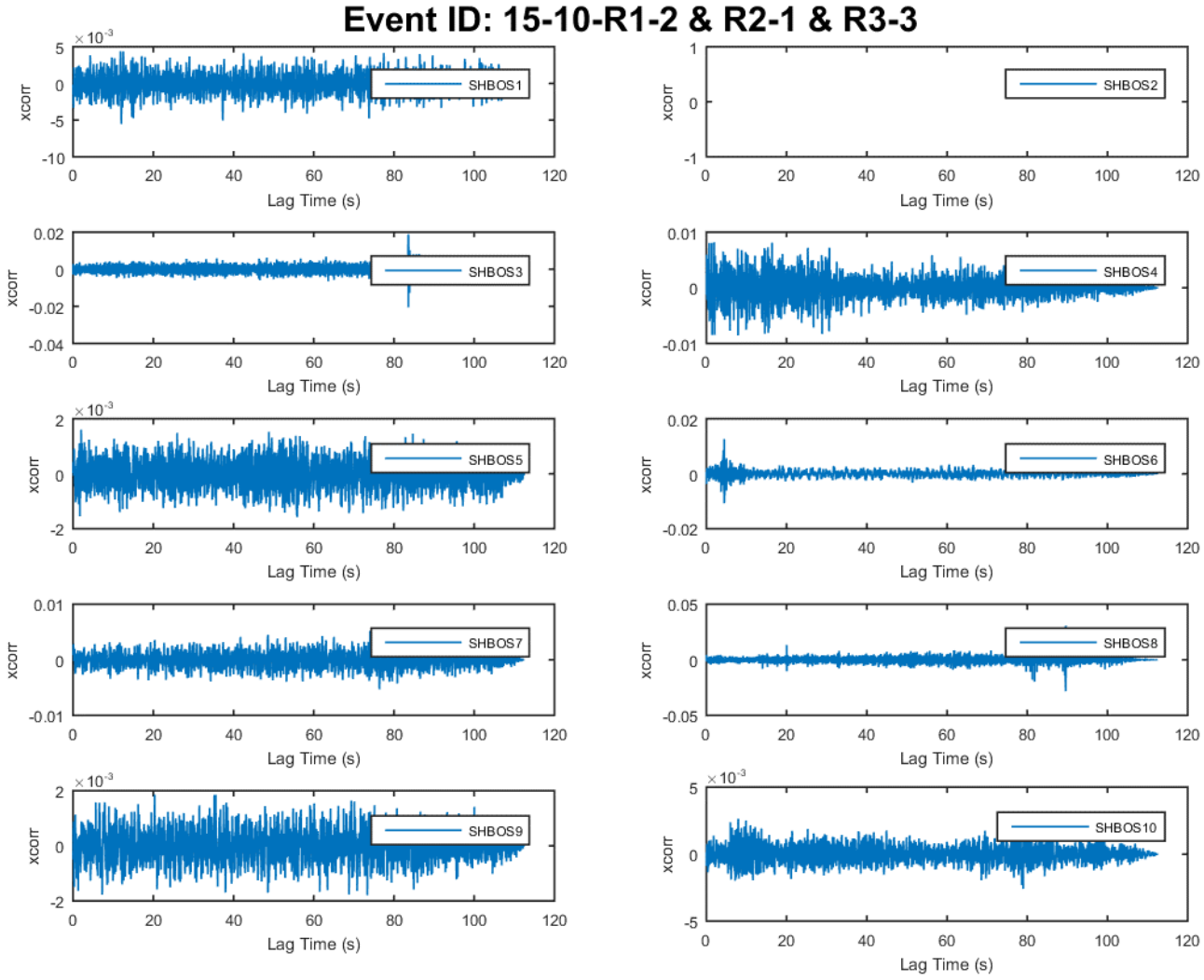


FIGURE 3.1305: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-2 & R2-1 & R3-3

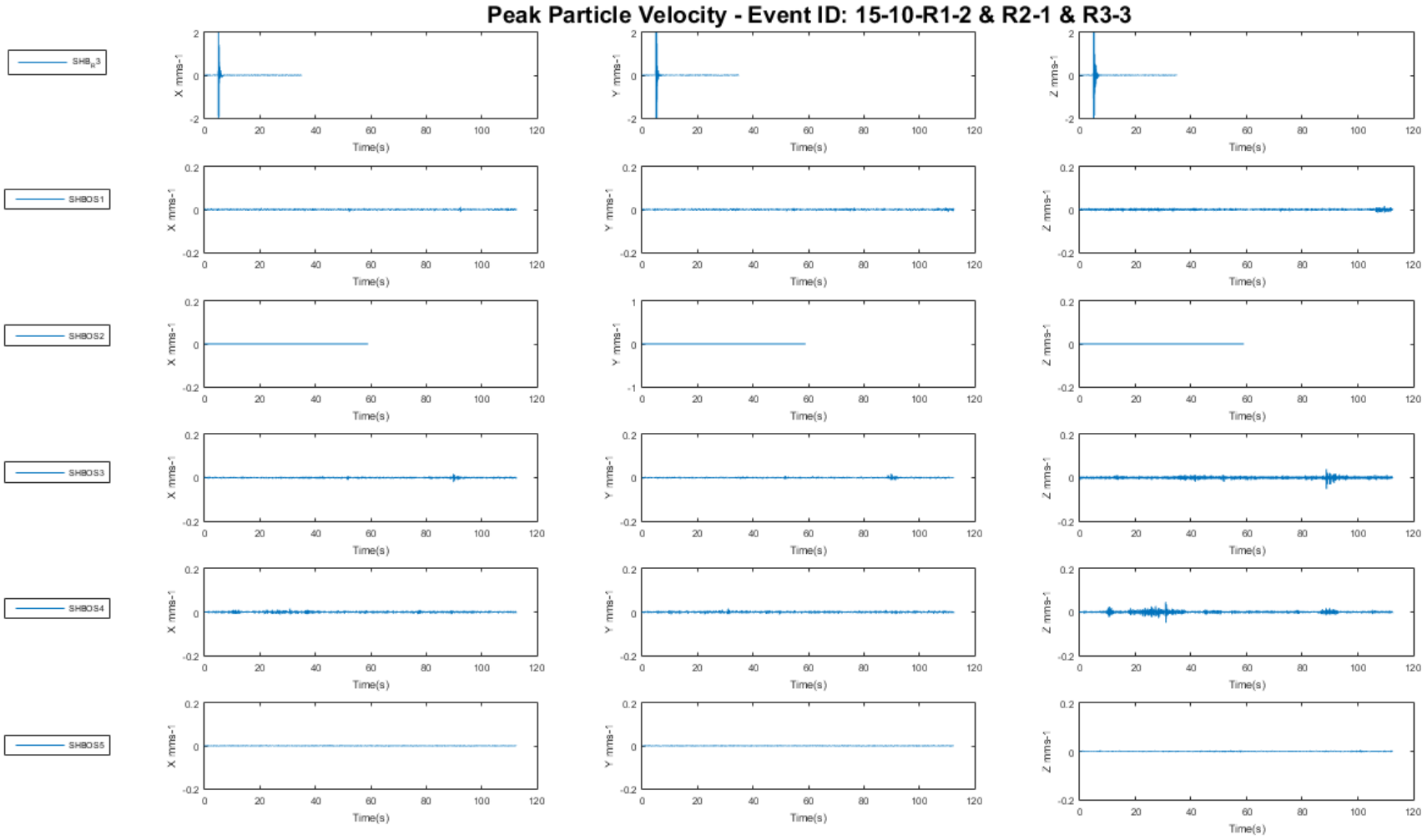


FIGURE 3.1306: SHB_OS 1 - 5 15-10-R1-2 & R2-1 & R3-3

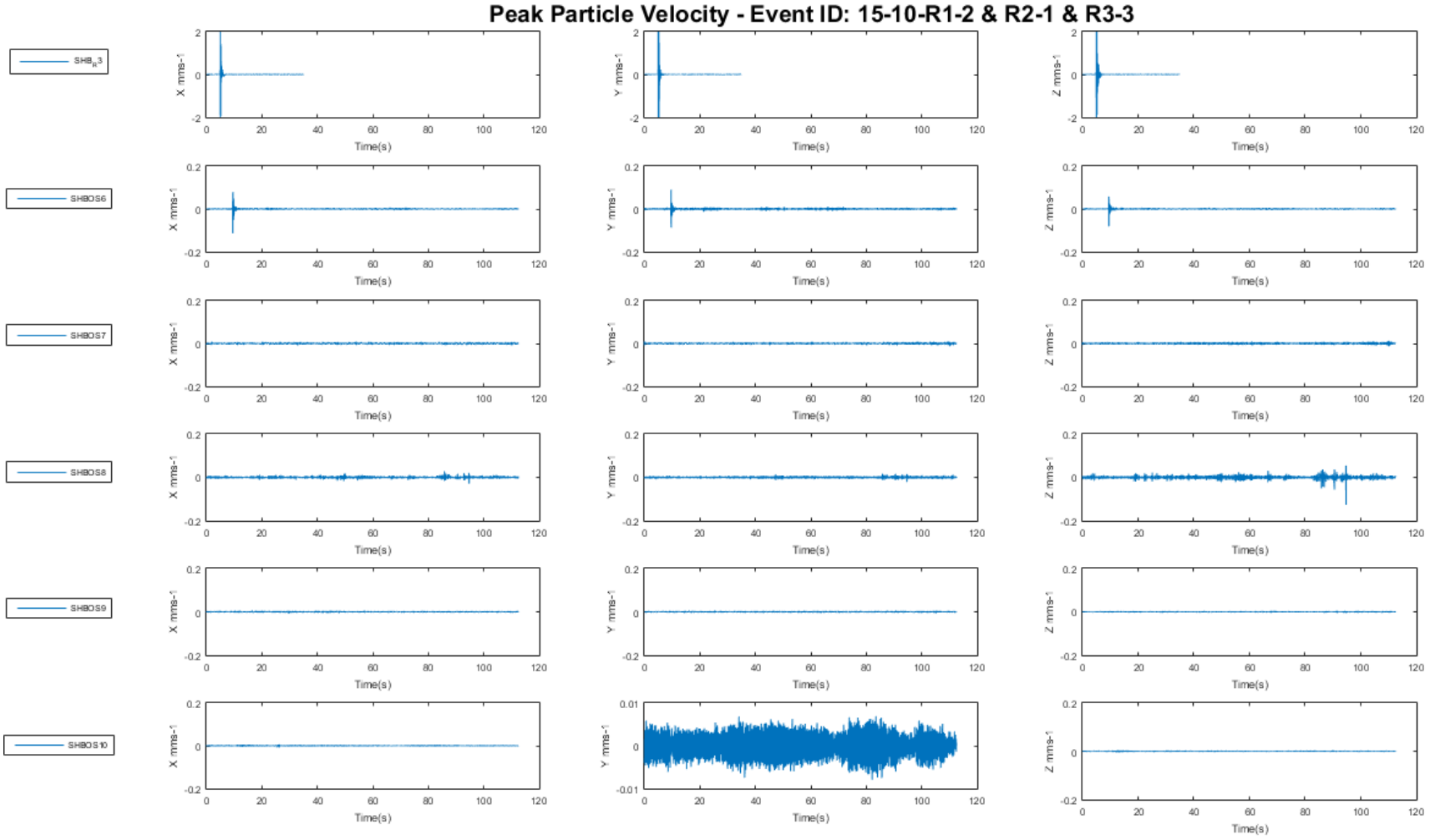


FIGURE 3.1307: SHB_OS 6 - 10 15-10-R1-2 & R2-1 & R3-3

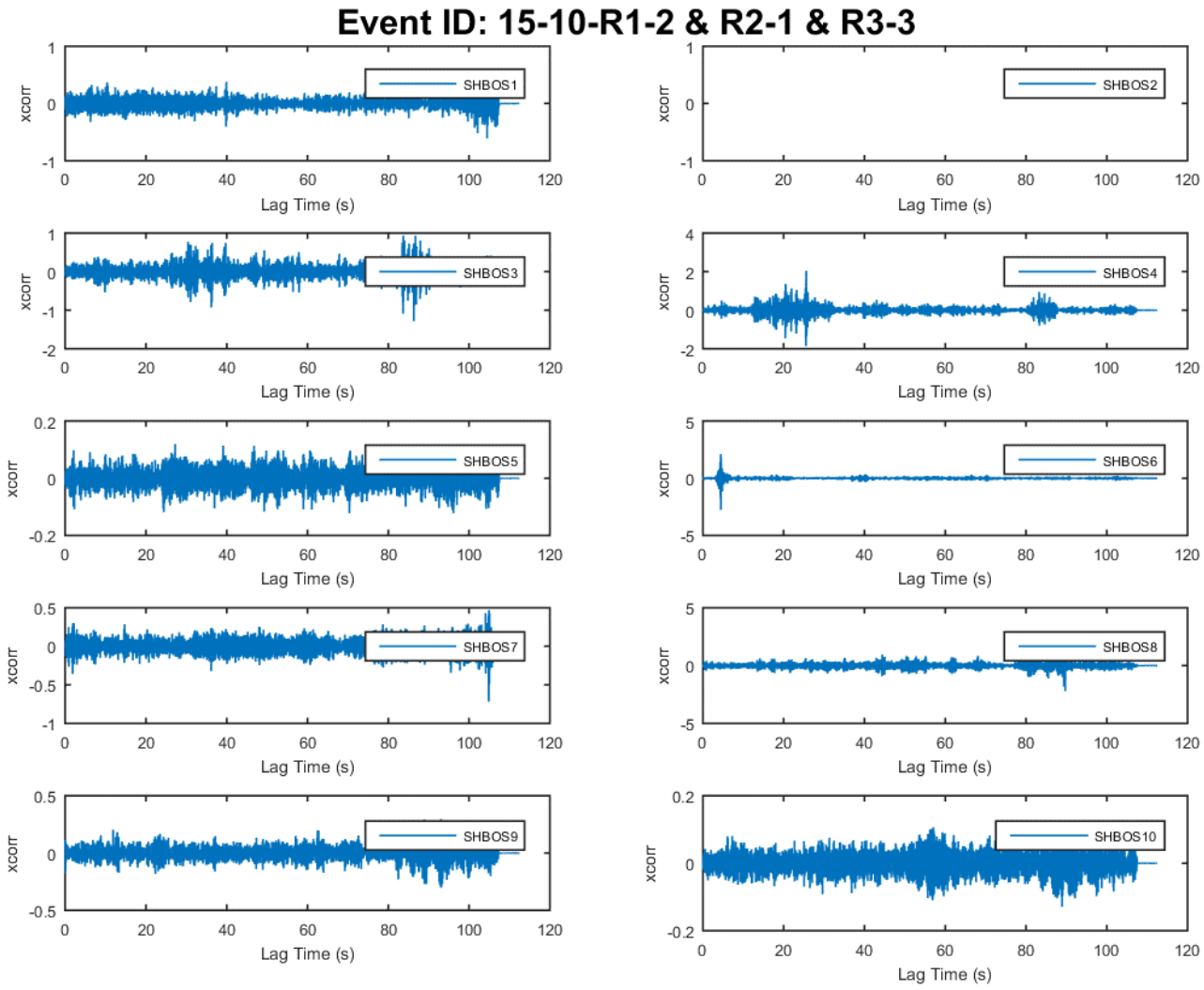


FIGURE 3.1308: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-2 & R2-1 & R3-3

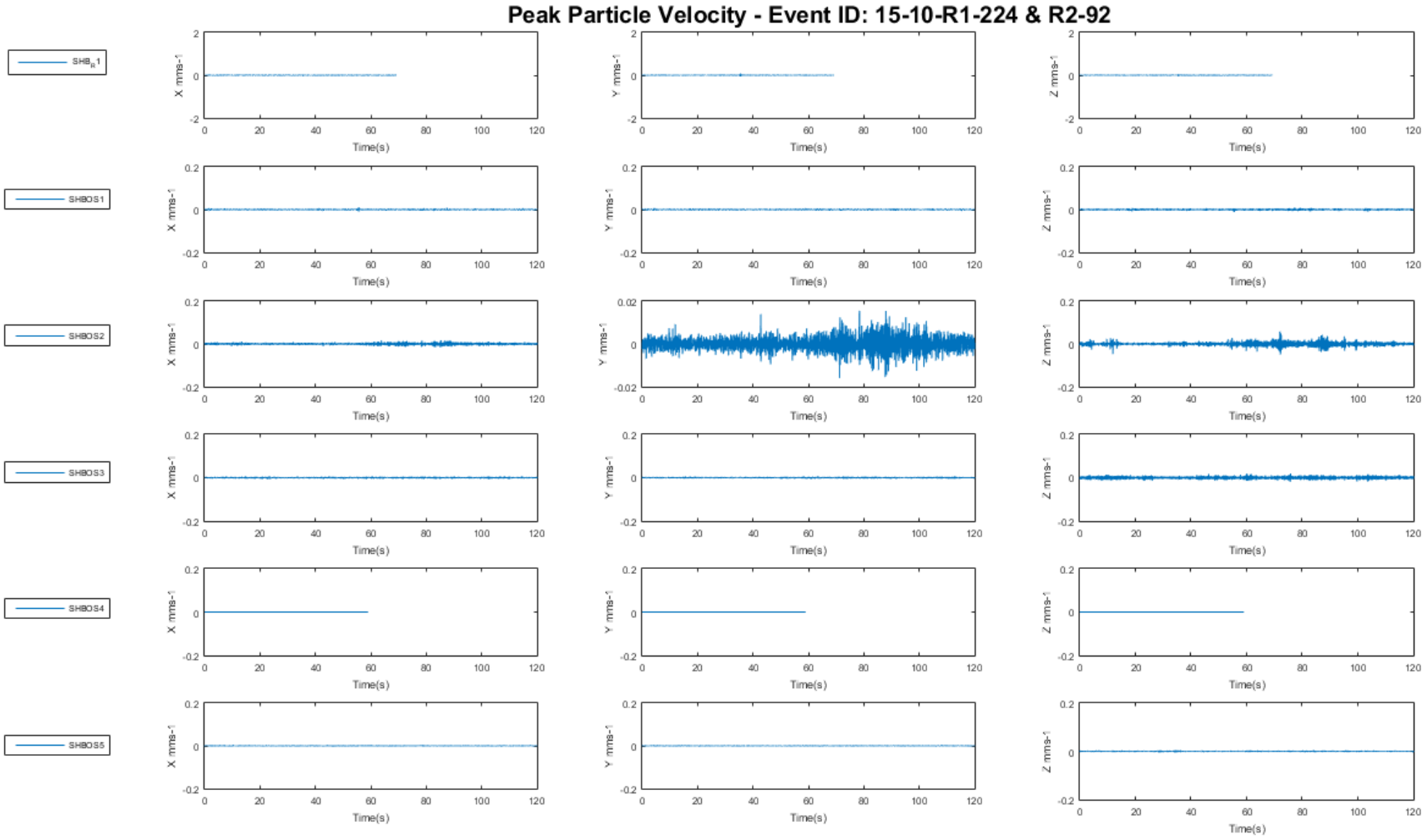


FIGURE 3.1309: SHB_OS 1 - 5 15-10-R1-224 & R2-92

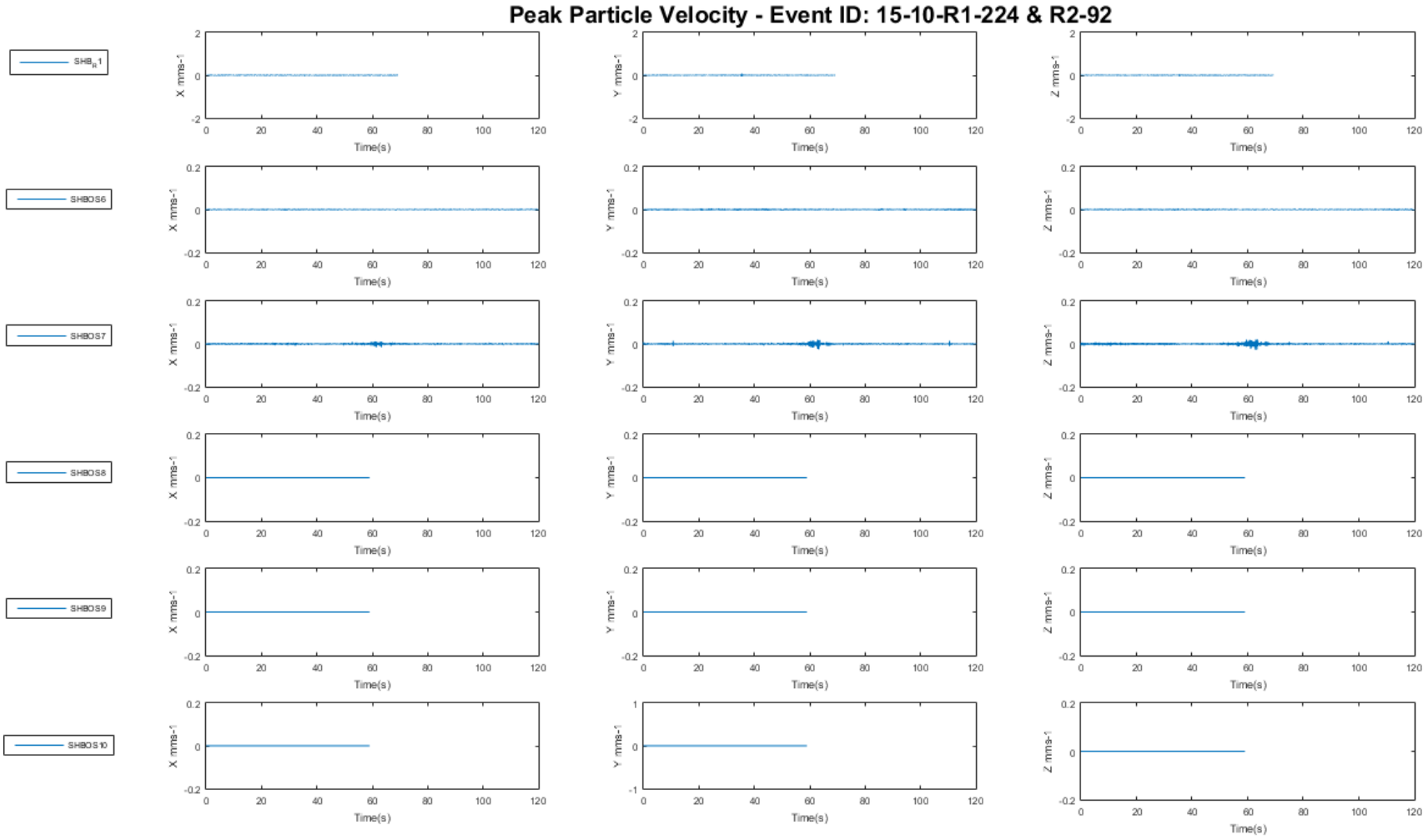


FIGURE 3.1310: SHB_OS 6 - 10 15-10-R1-224 & R2-92

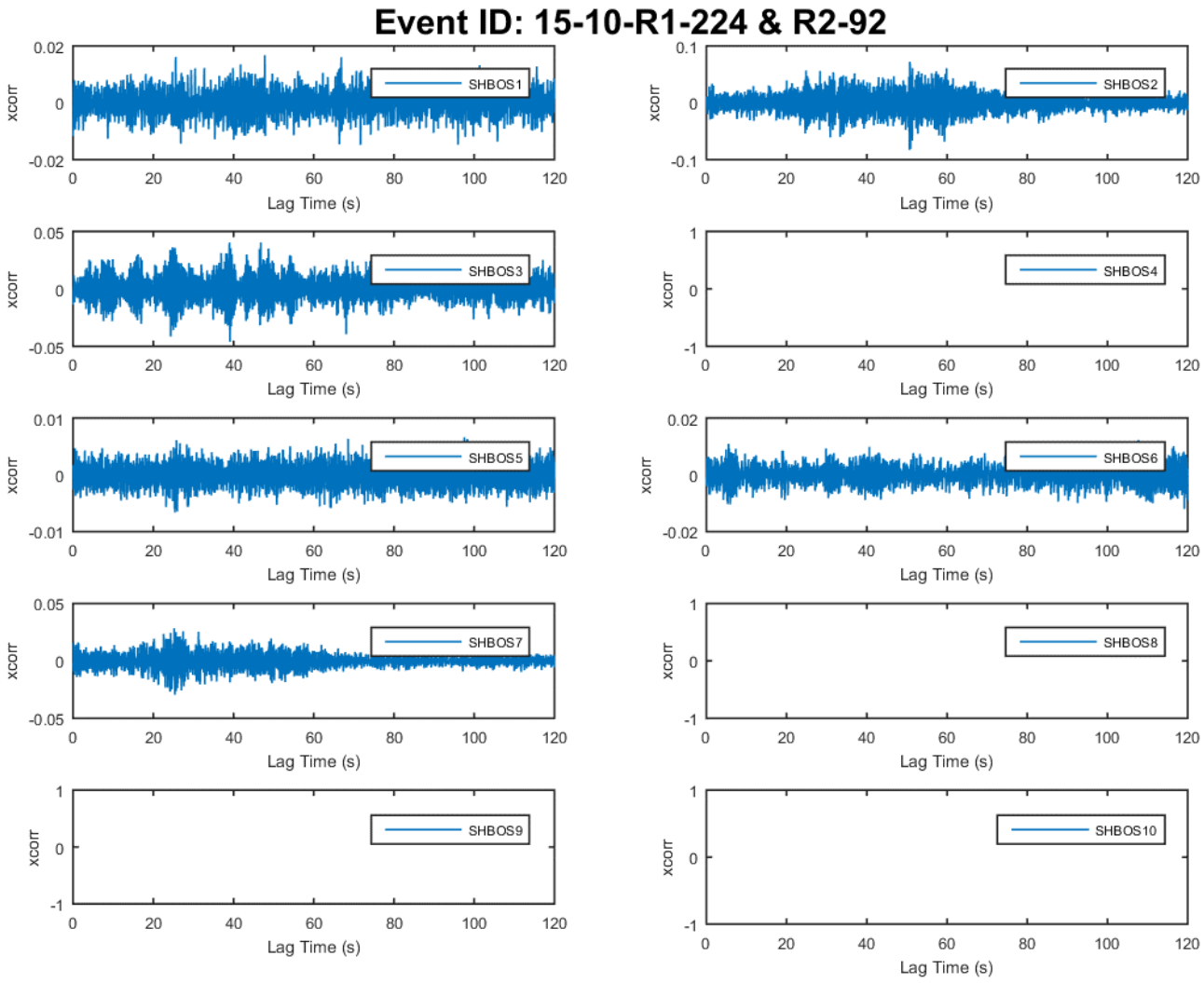


FIGURE 3.1311: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-224 & R2-92

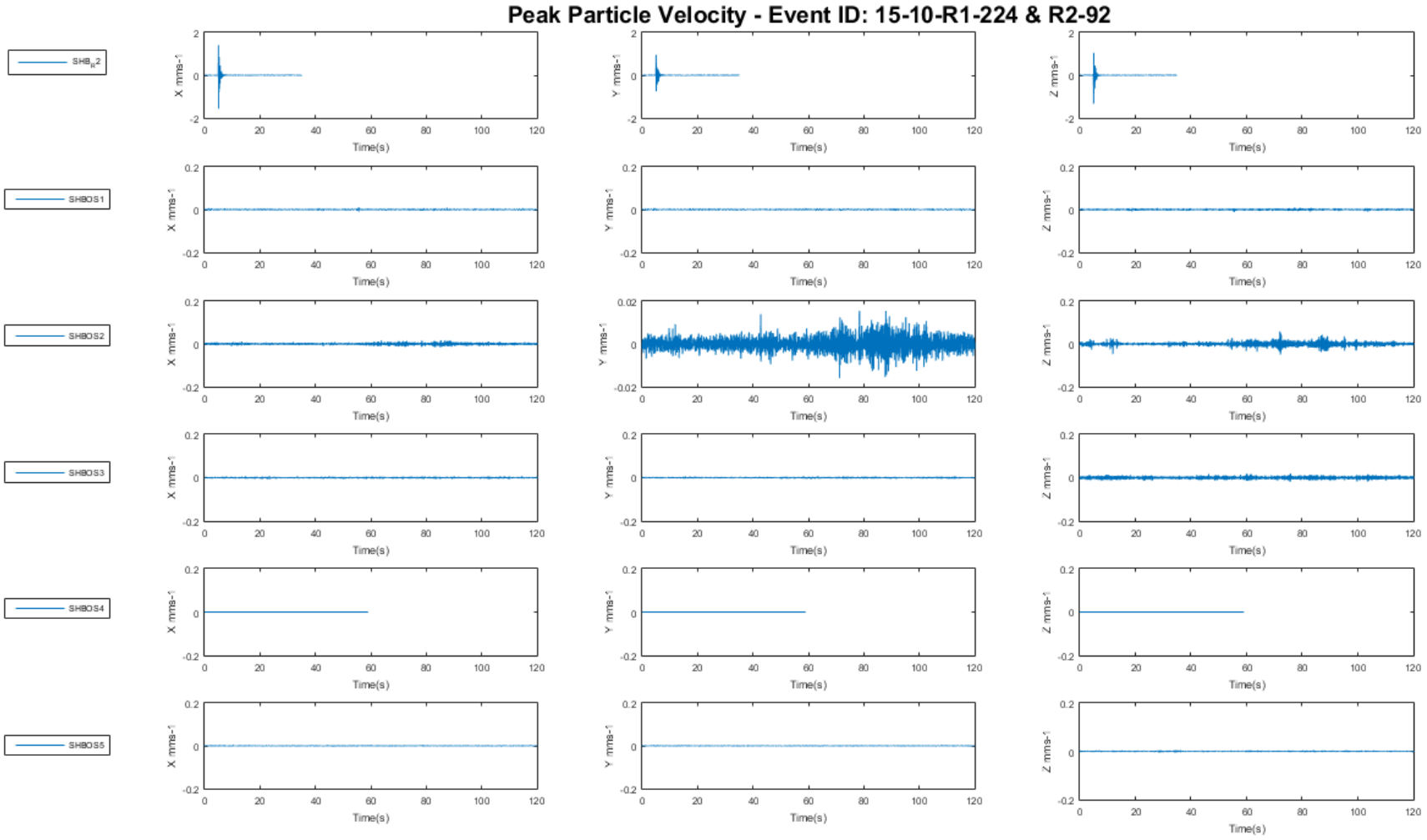


FIGURE 3.1312: SHB_OS 1 - 5 15-10-R1-224 & R2-92

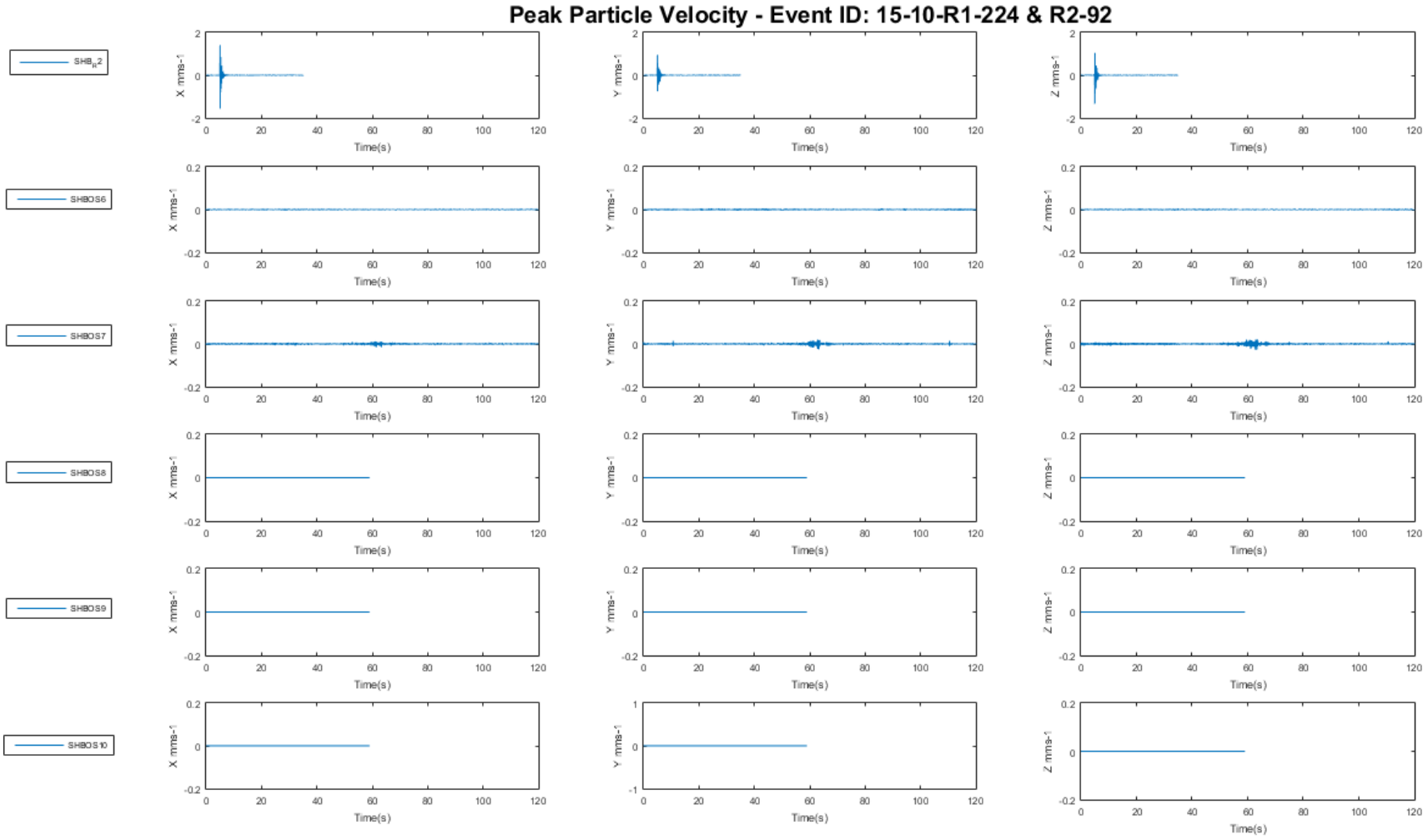


FIGURE 3.1313: SHB_OS 6 - 10 15-10-R1-224 & R2-92

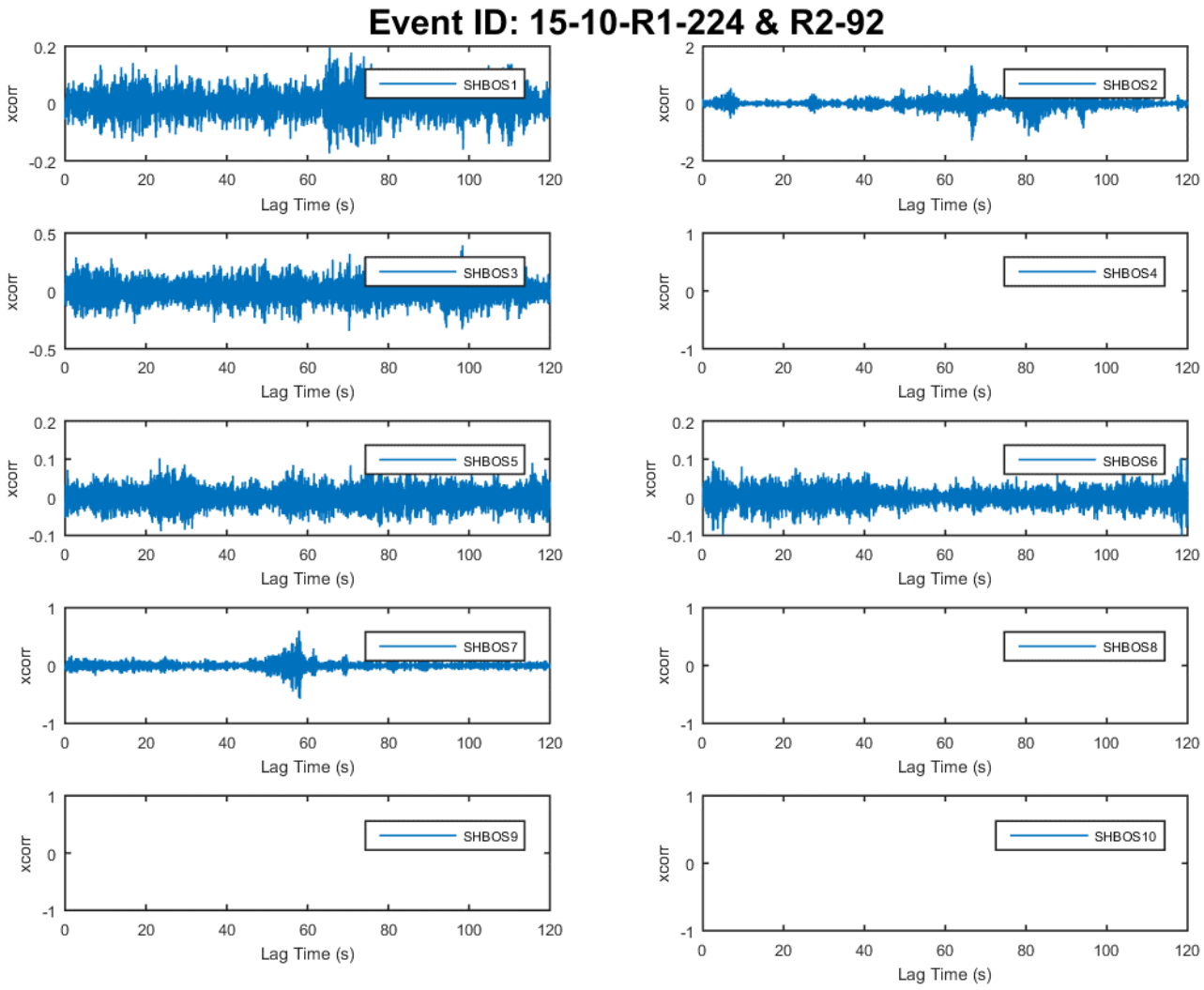


FIGURE 3.1314: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-224 & R2-92

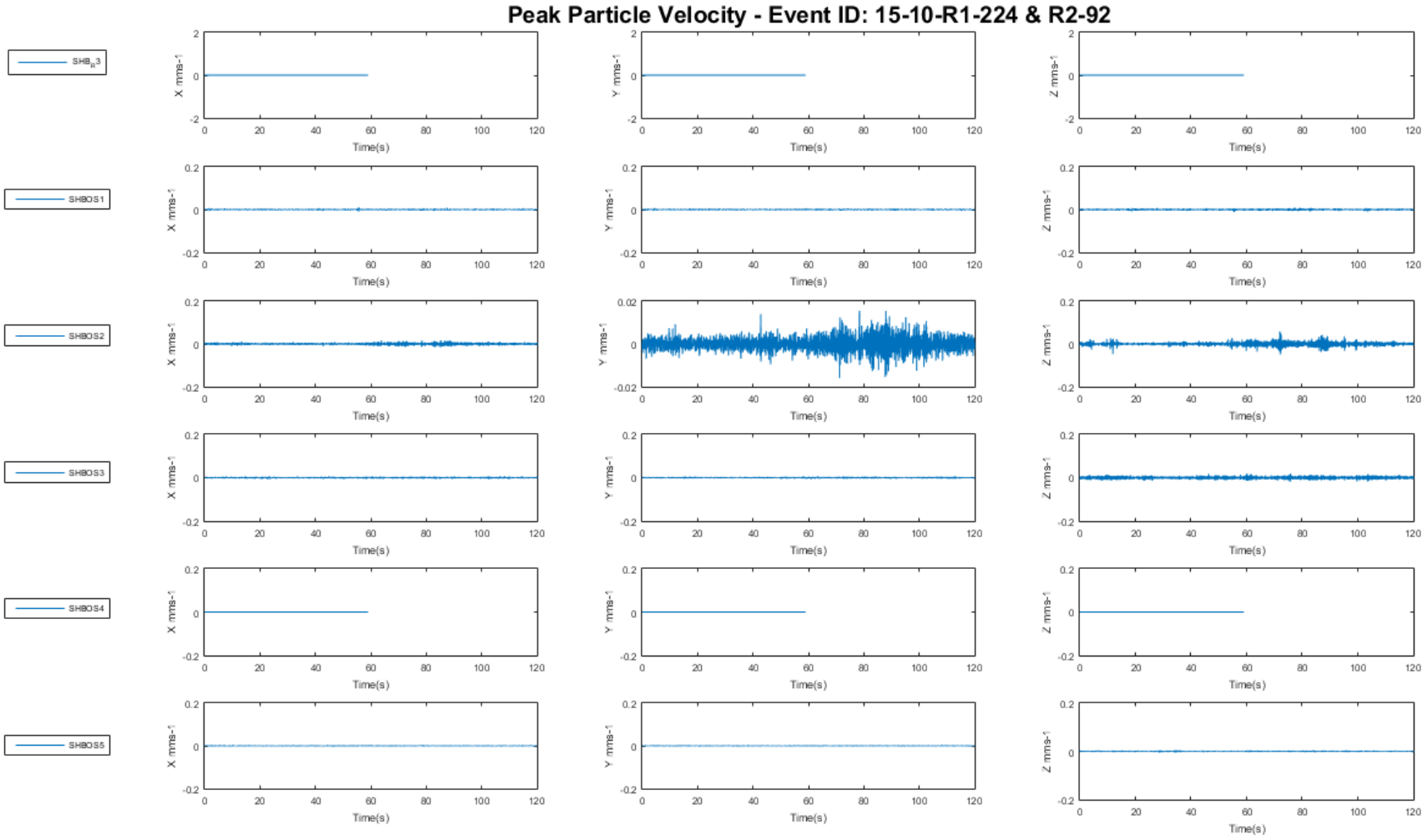


FIGURE 3.1315: SHB_OS 1 - 5 15-10-R1-224 & R2-92

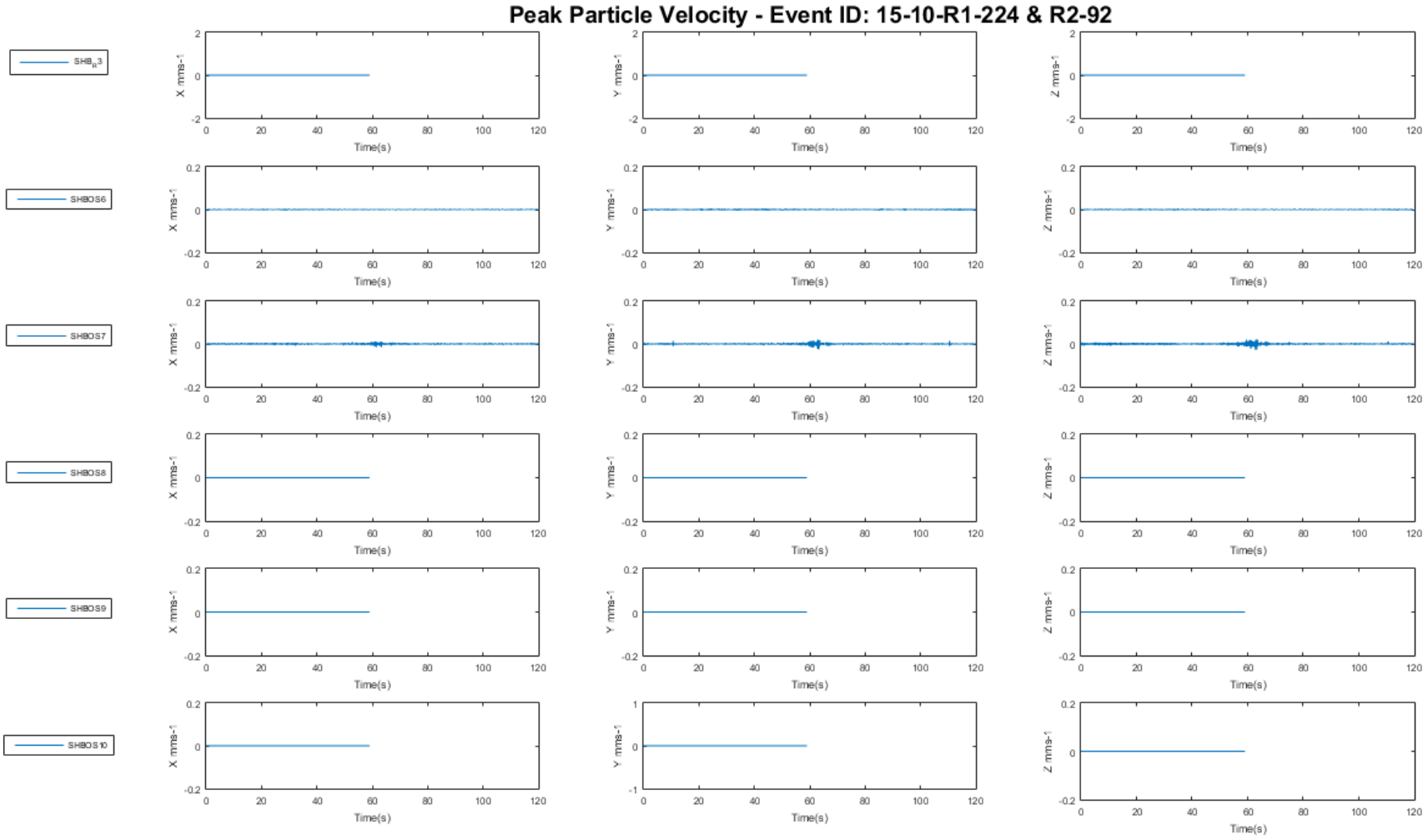


FIGURE 3.1316: SHB_OS 6 - 10 15-10-R1-224 & R2-92

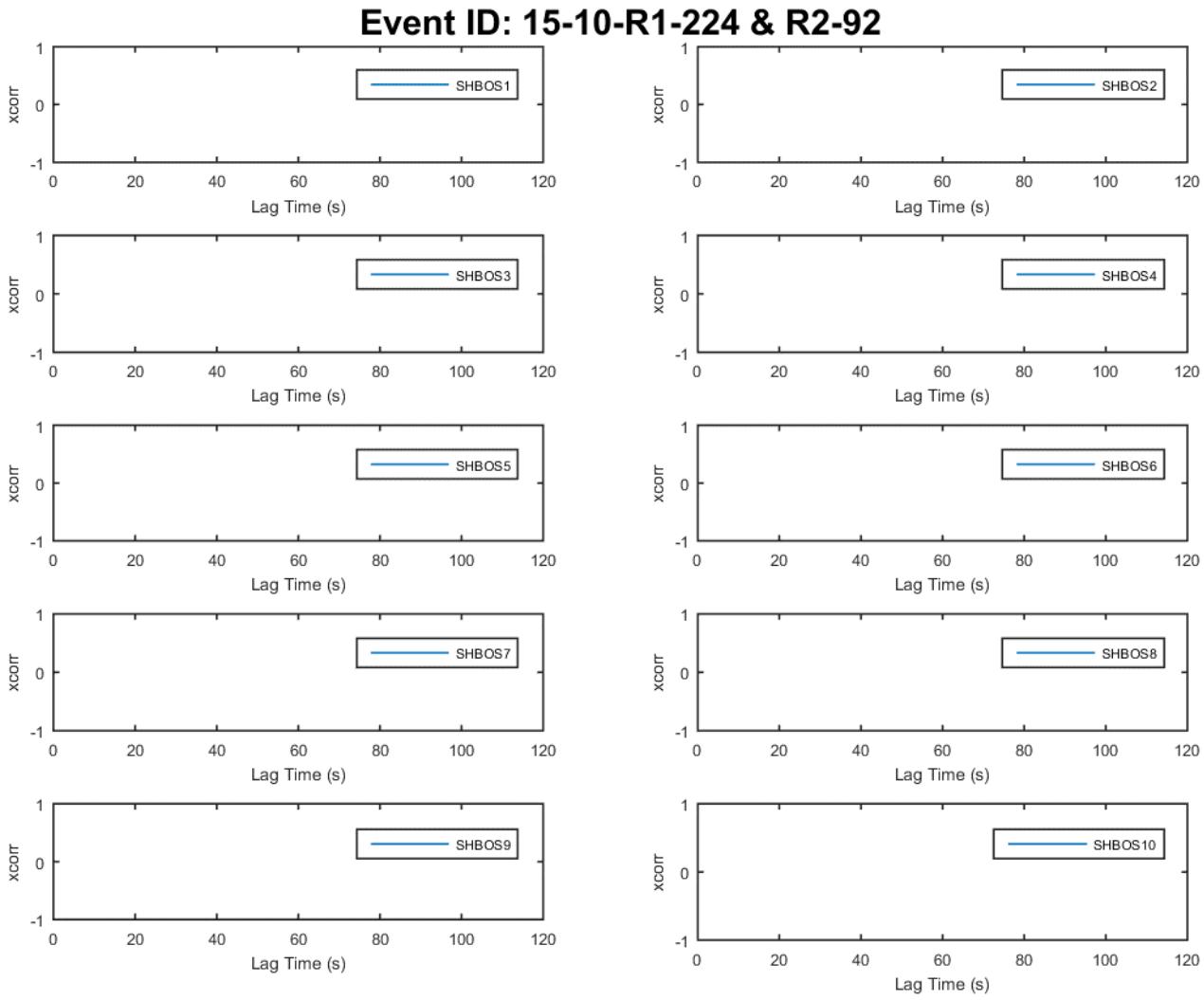


FIGURE 3.1317: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-224 & R2-92

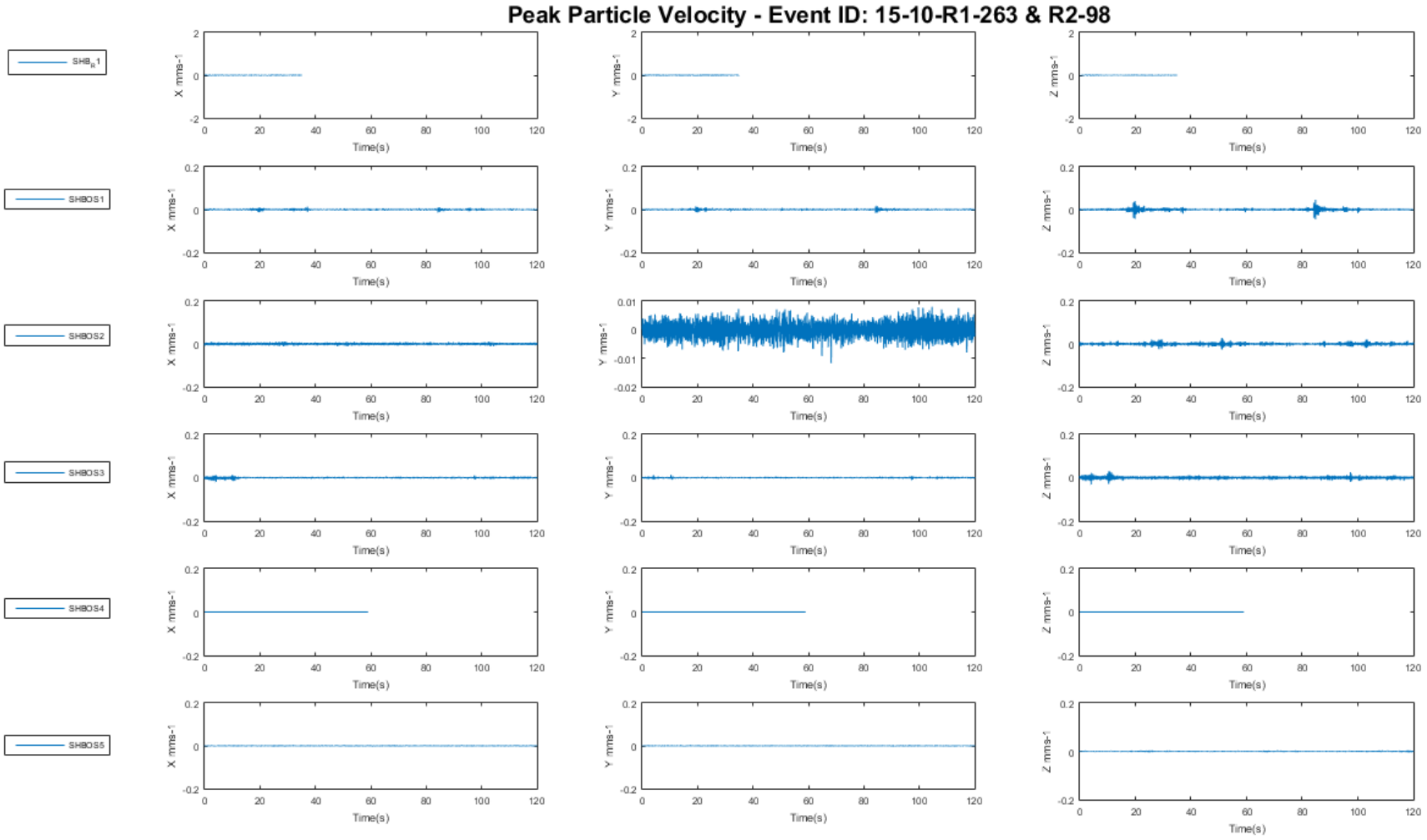


FIGURE 3.1318: SHB_OS 1 - 5 15-10-R1-263 & R2-98

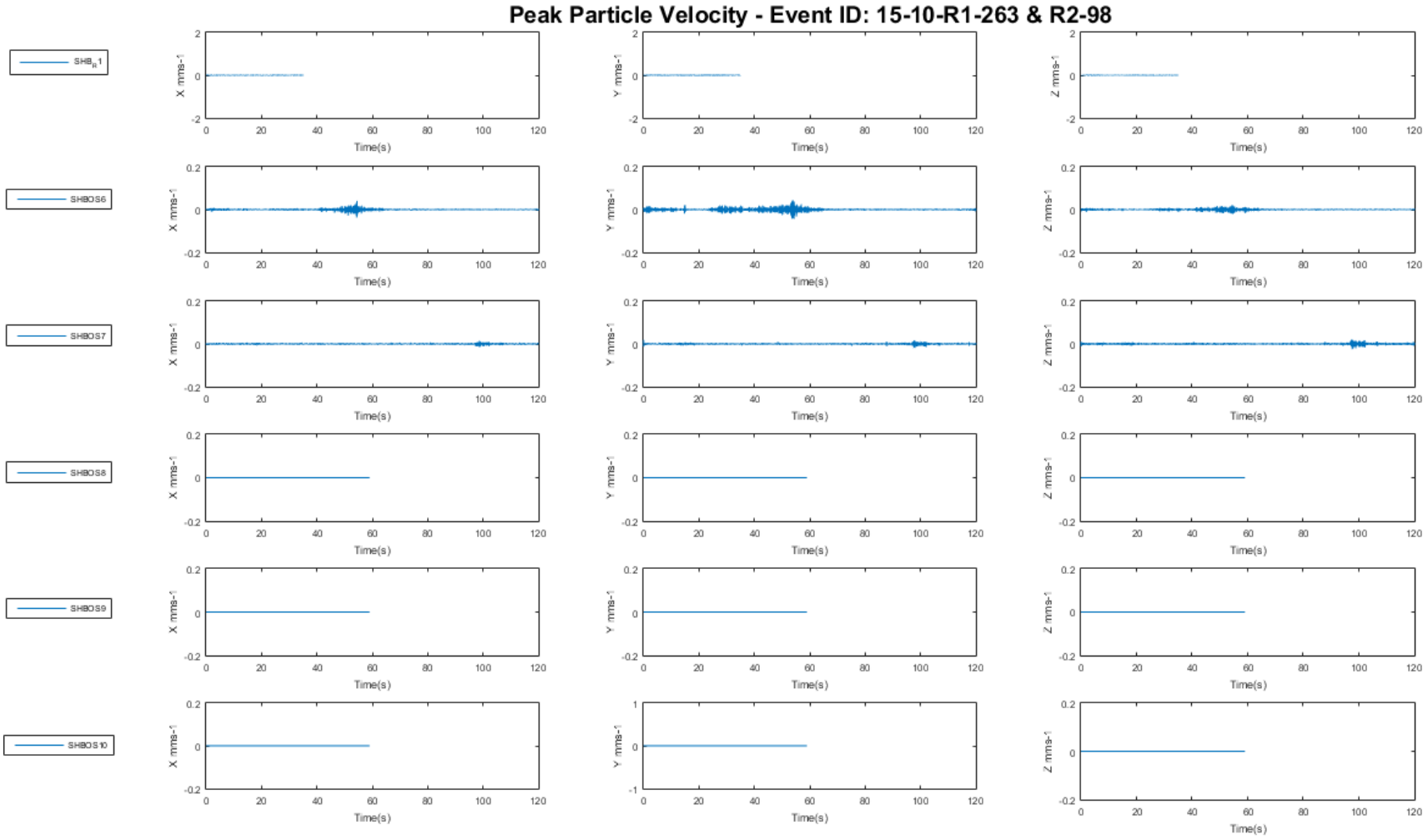


FIGURE 3.1319: SHB_OS 6 - 10 15-10-R1-263 & R2-98

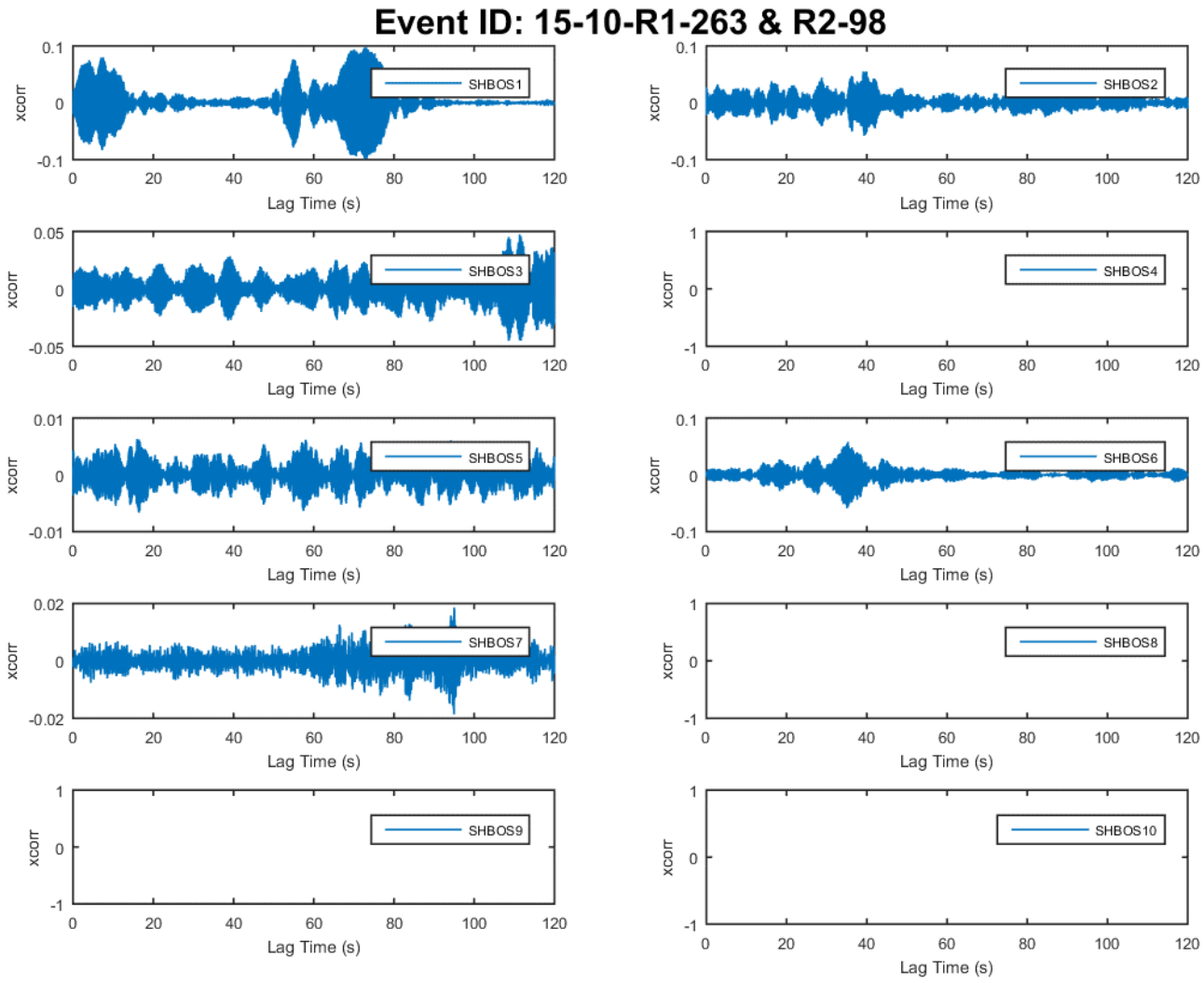


FIGURE 3.1320: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-263 & R2-98

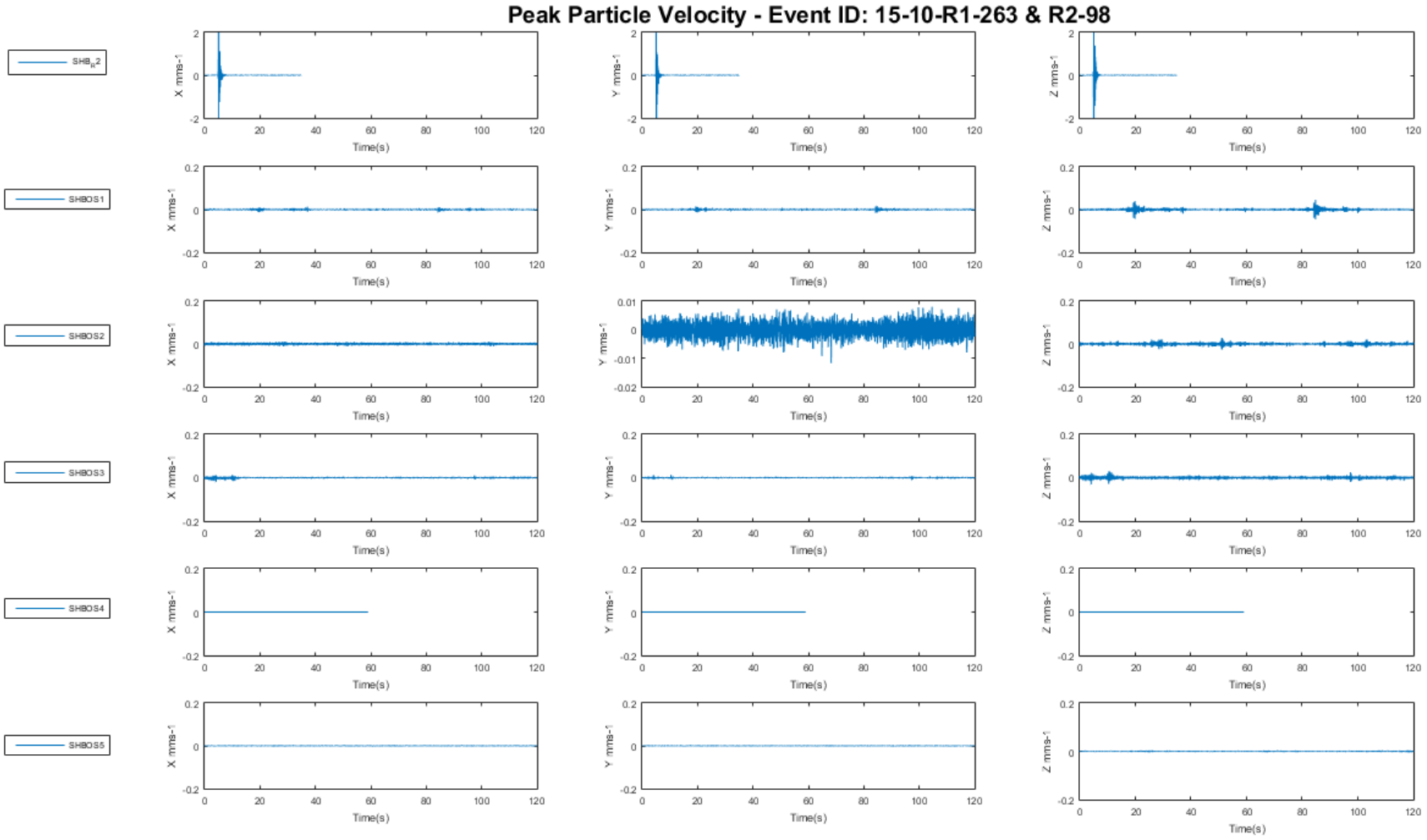


FIGURE 3.1321: SHB_OS 1 - 5 15-10-R1-263 & R2-98

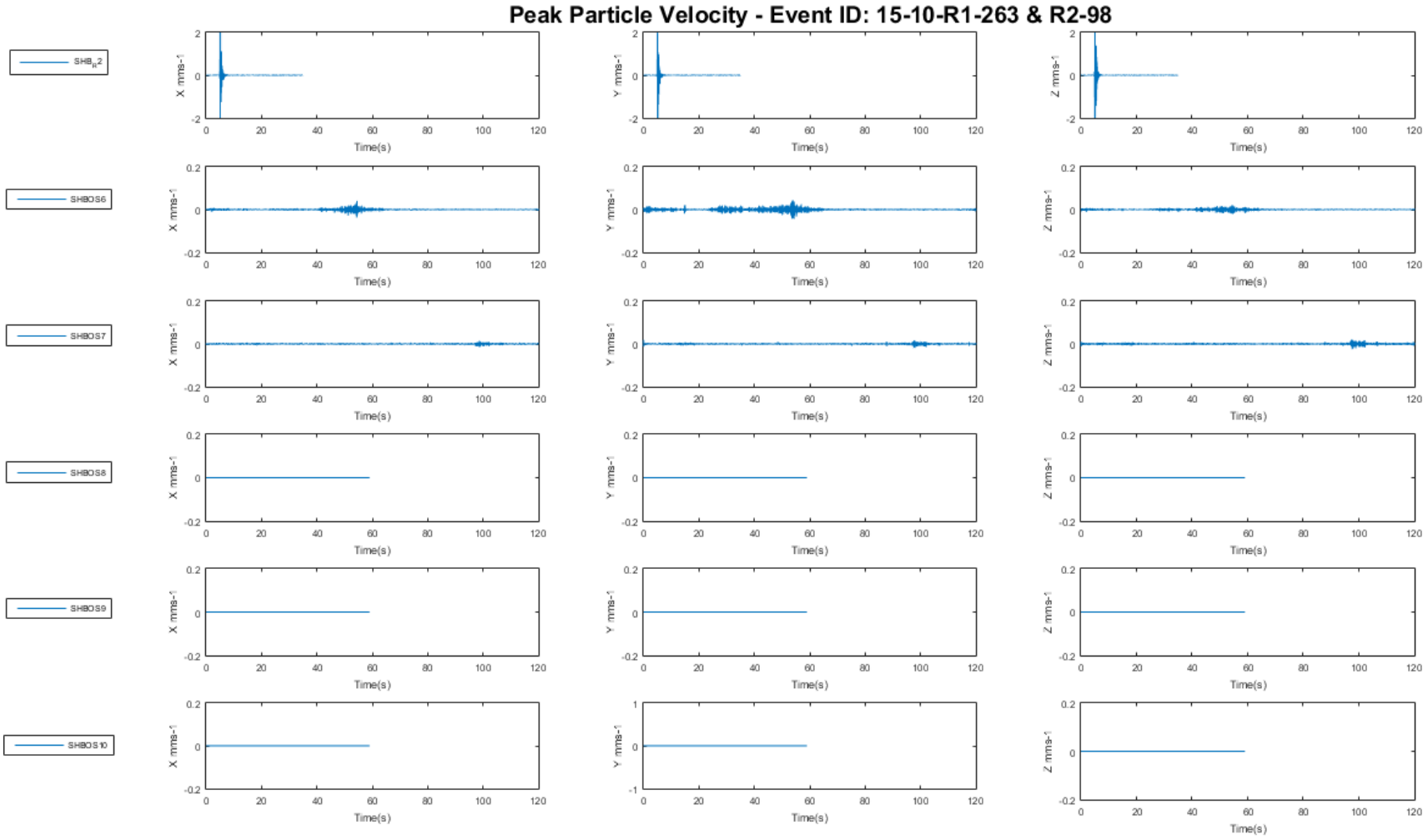


FIGURE 3.1322: SHB_OS 6 - 10 15-10-R1-263 & R2-98

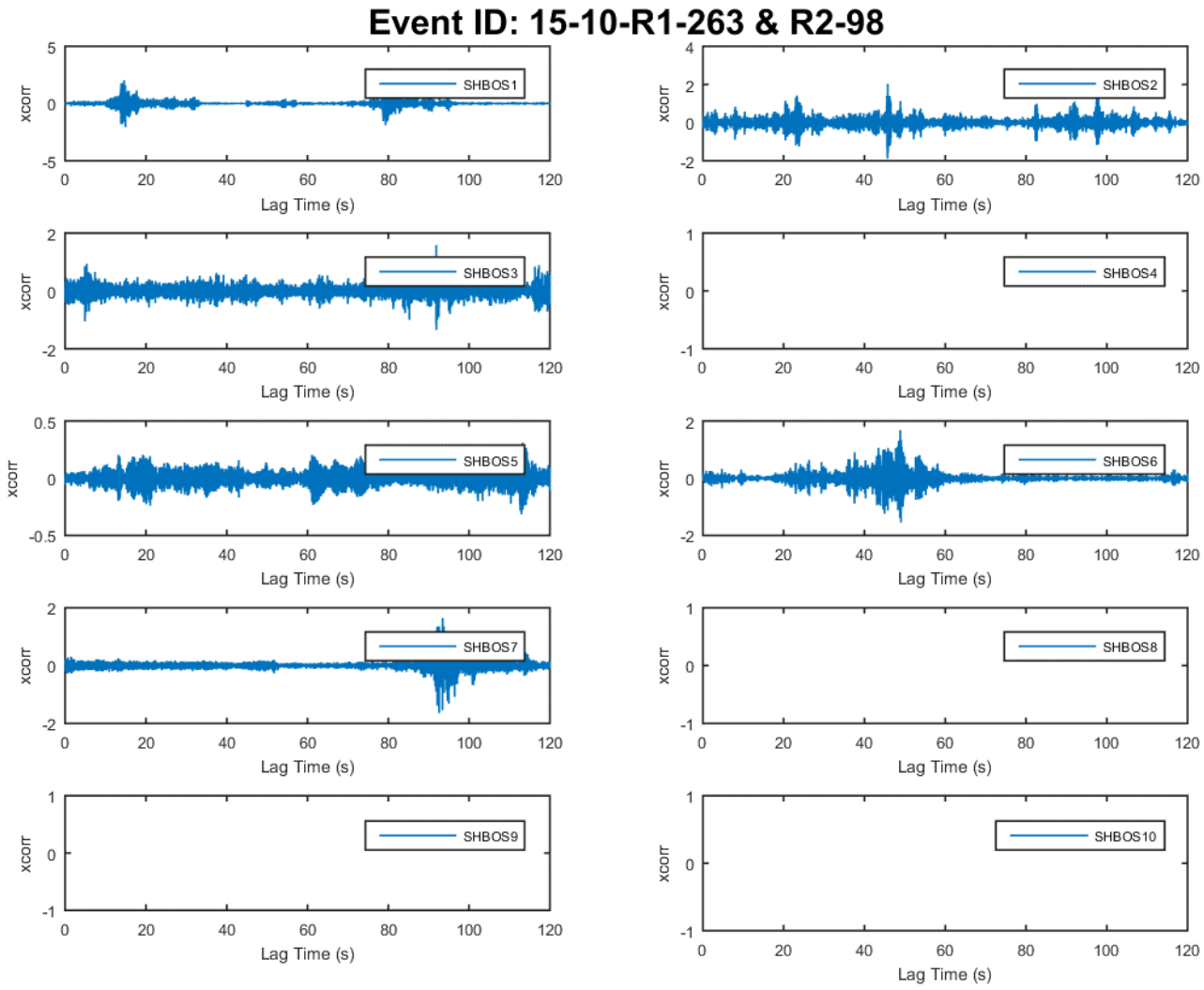


FIGURE 3.1323: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-263 & R2-98

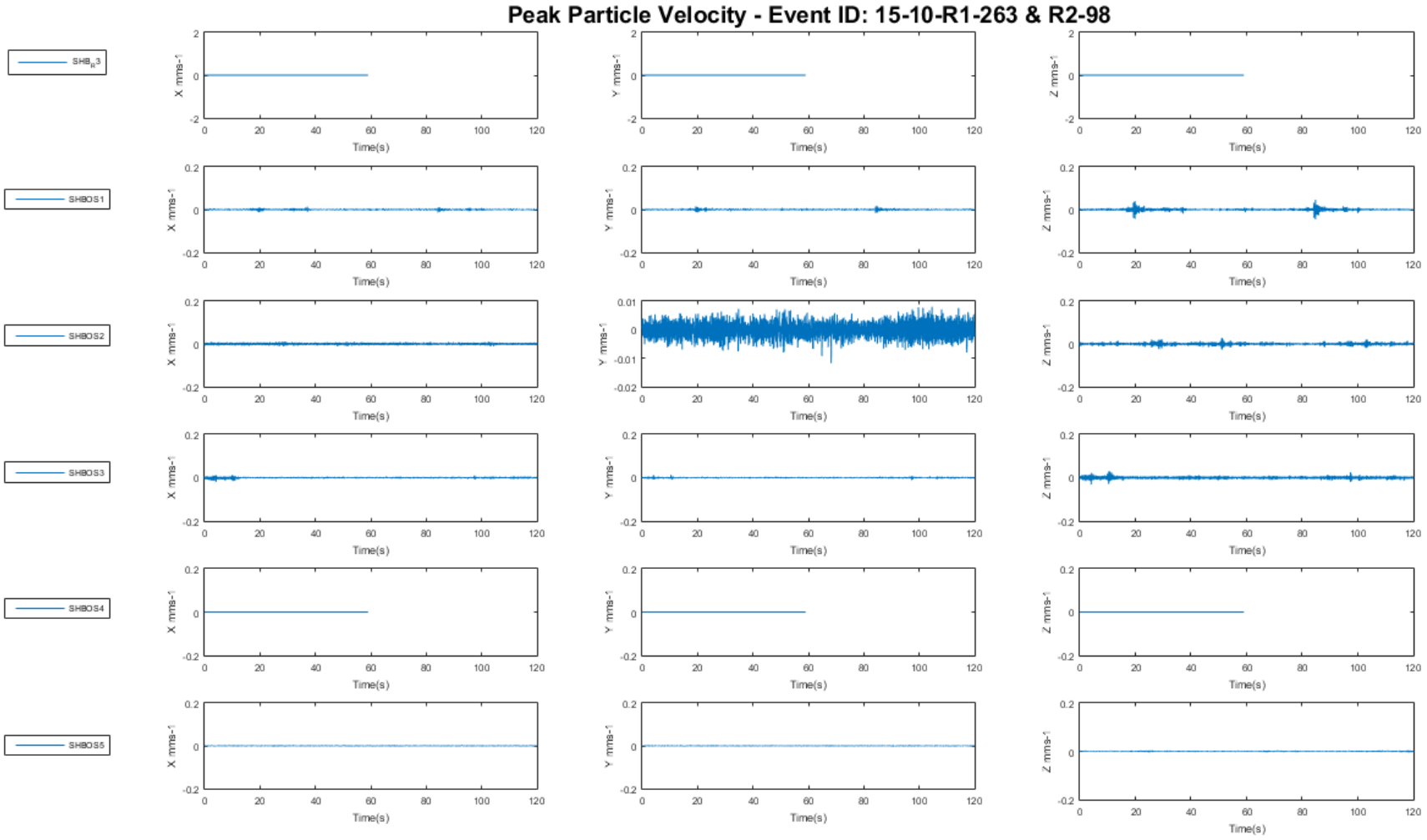


FIGURE 3.1324: SHB_OS 1 - 5 15-10-R1-263 & R2-98

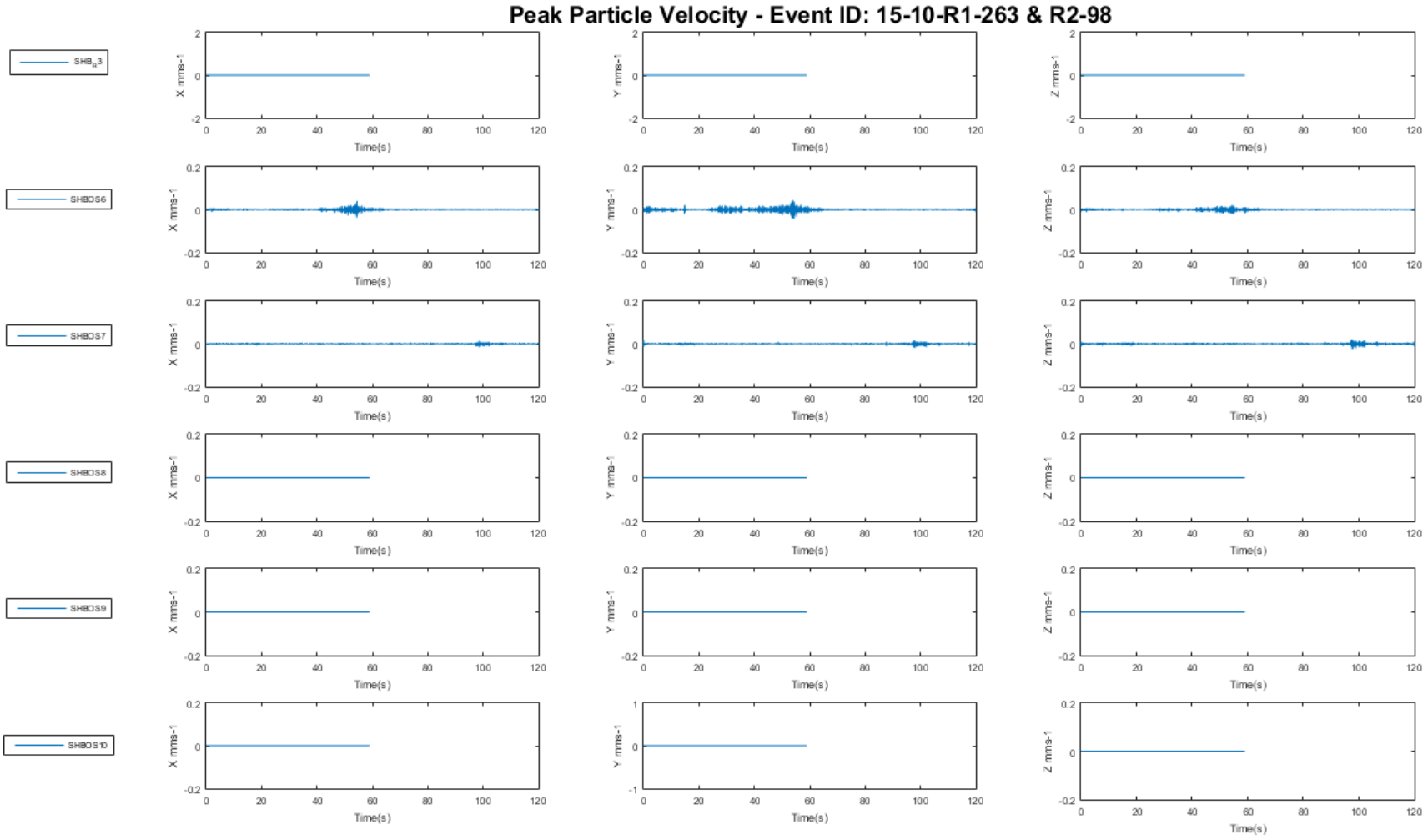


FIGURE 3.1325: SHB_OS 6 - 10 15-10-R1-263 & R2-98

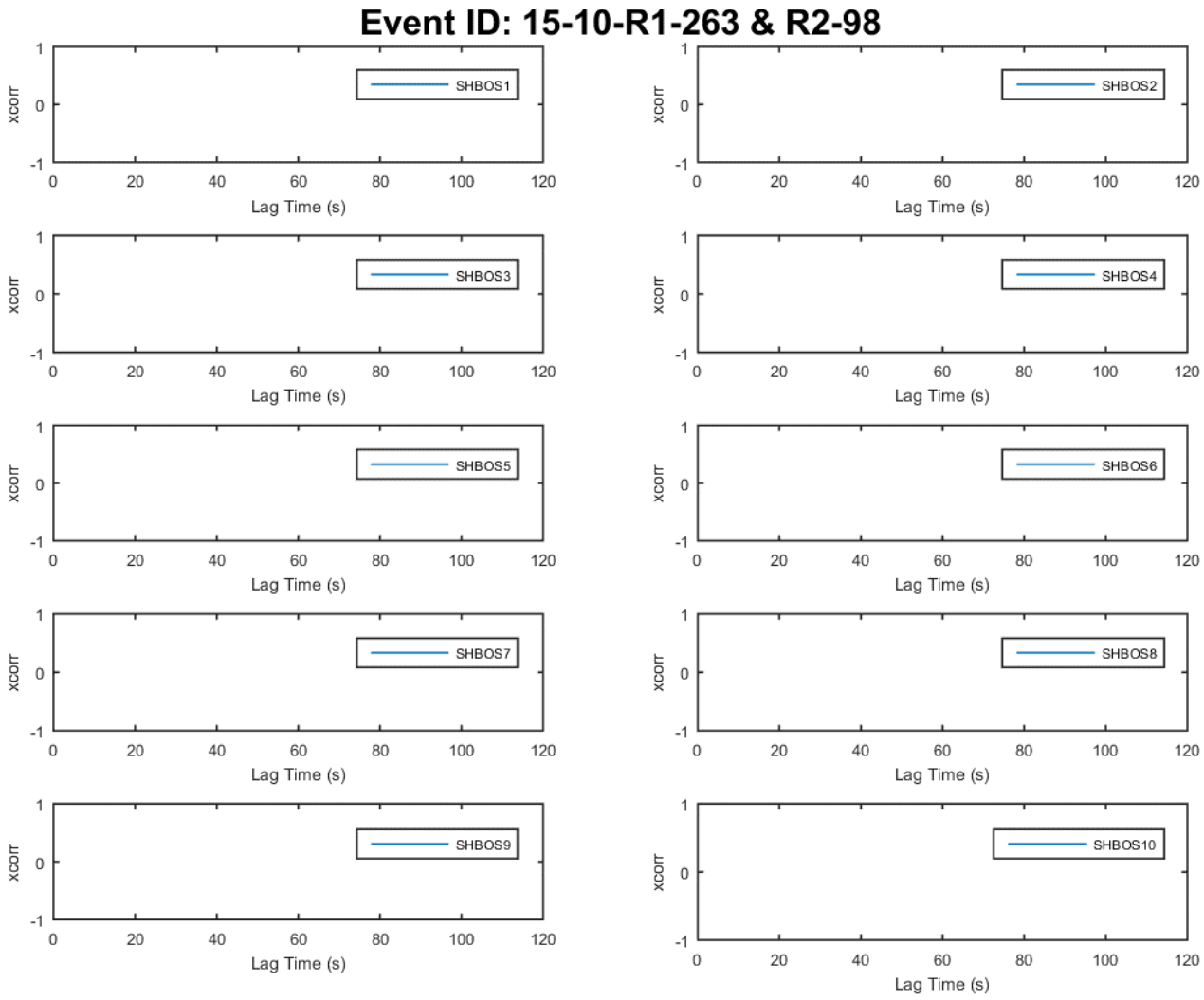


FIGURE 3.1326: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-263 & R2-98

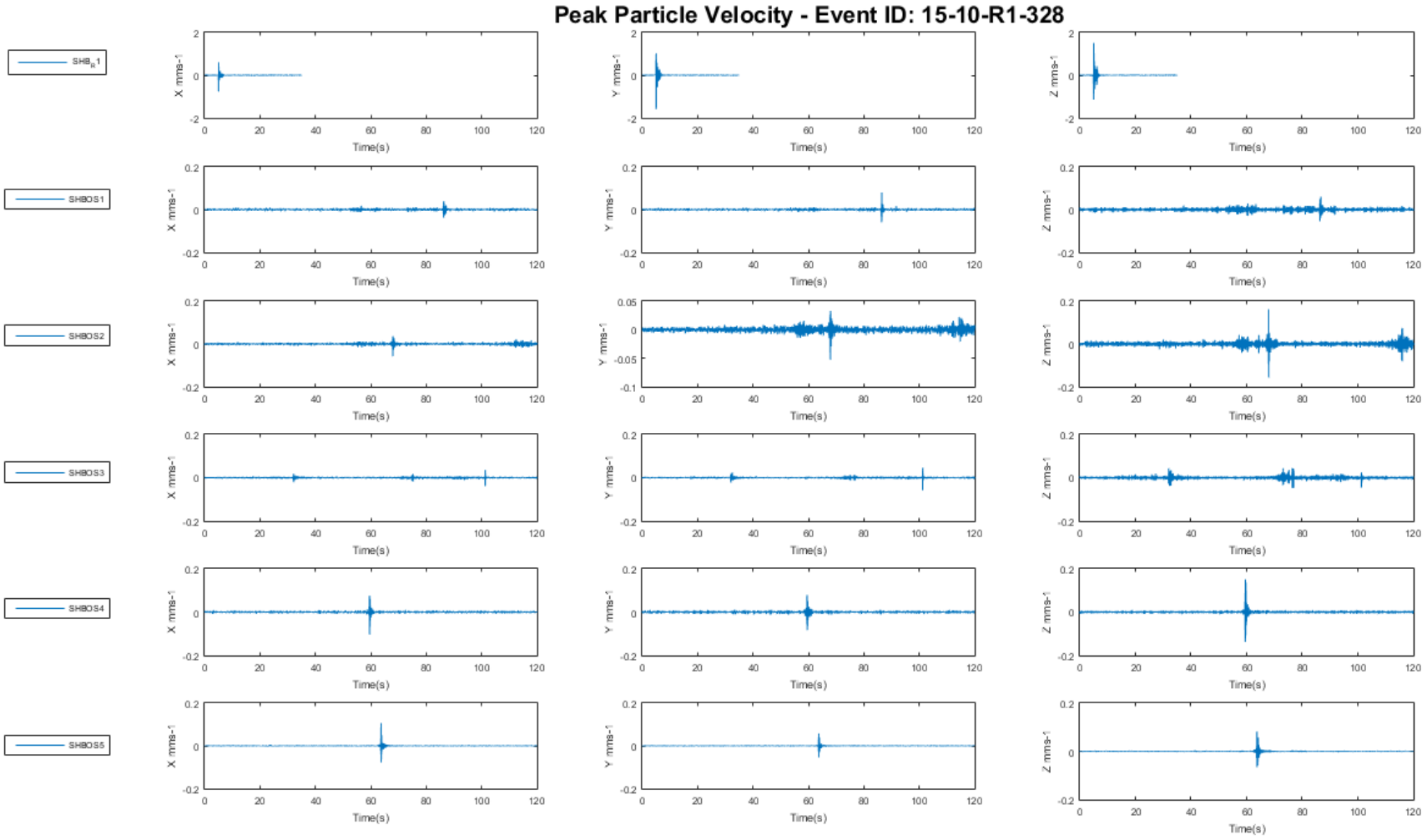


FIGURE 3.1327: SHB_OS 1 - 5 15-10-R1-328

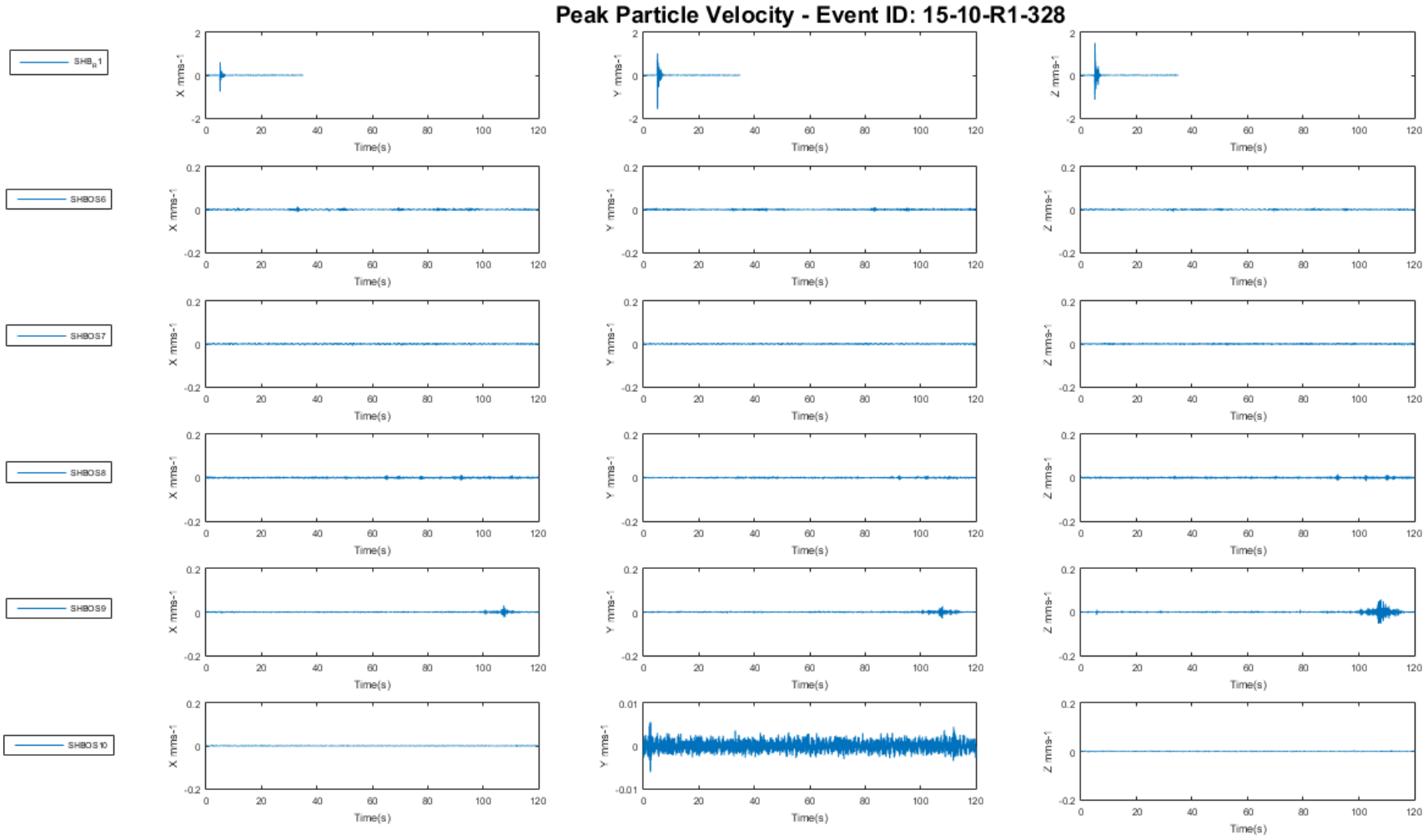


FIGURE 3.1328: SHB_OS 6 - 10 15-10-R1-328

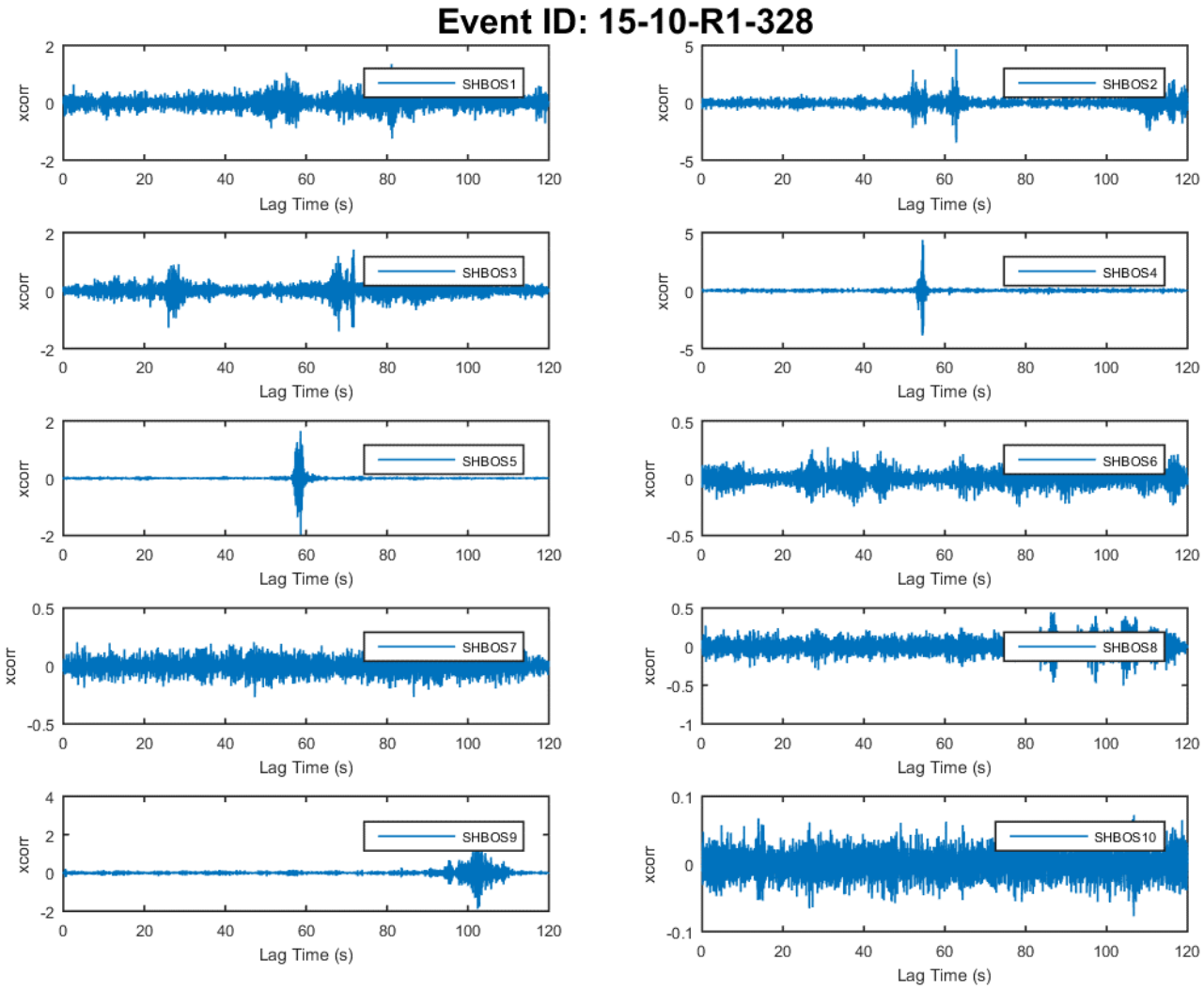


FIGURE 3.1329: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-328

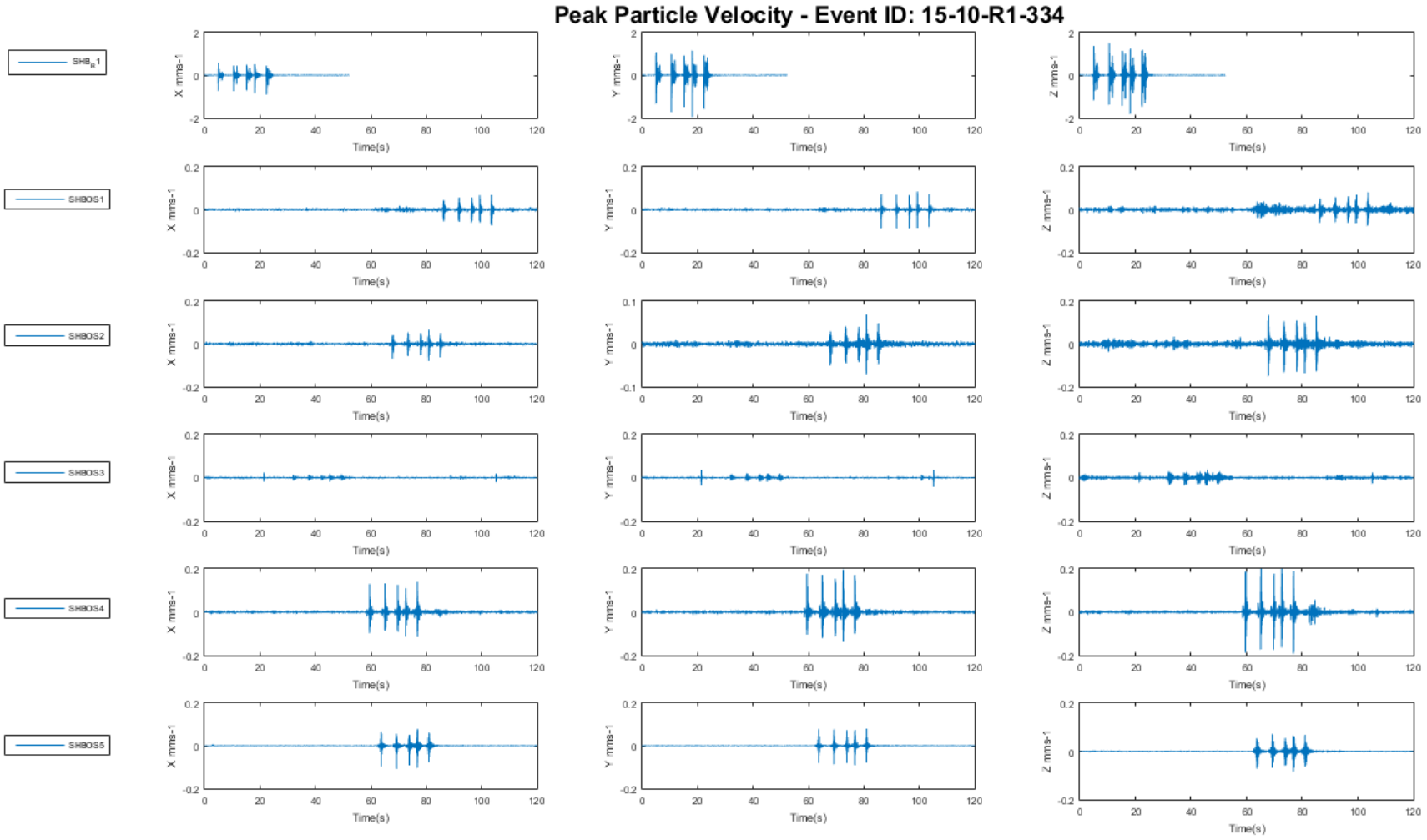


FIGURE 3.1330: SHB_OS 1 - 5 15-10-R1-334

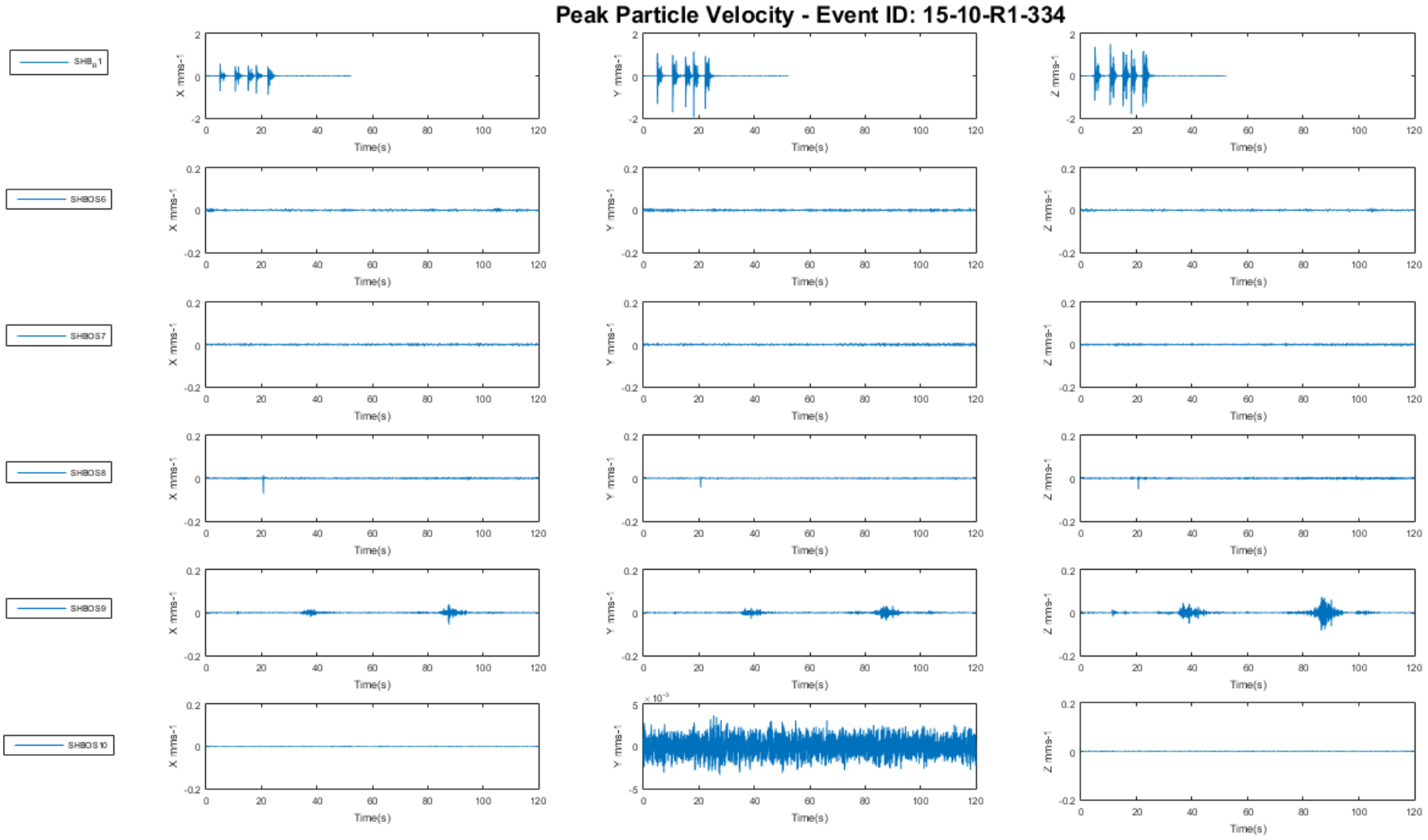


FIGURE 3.1331: SHB_OS 6 - 10 15-10-R1-334

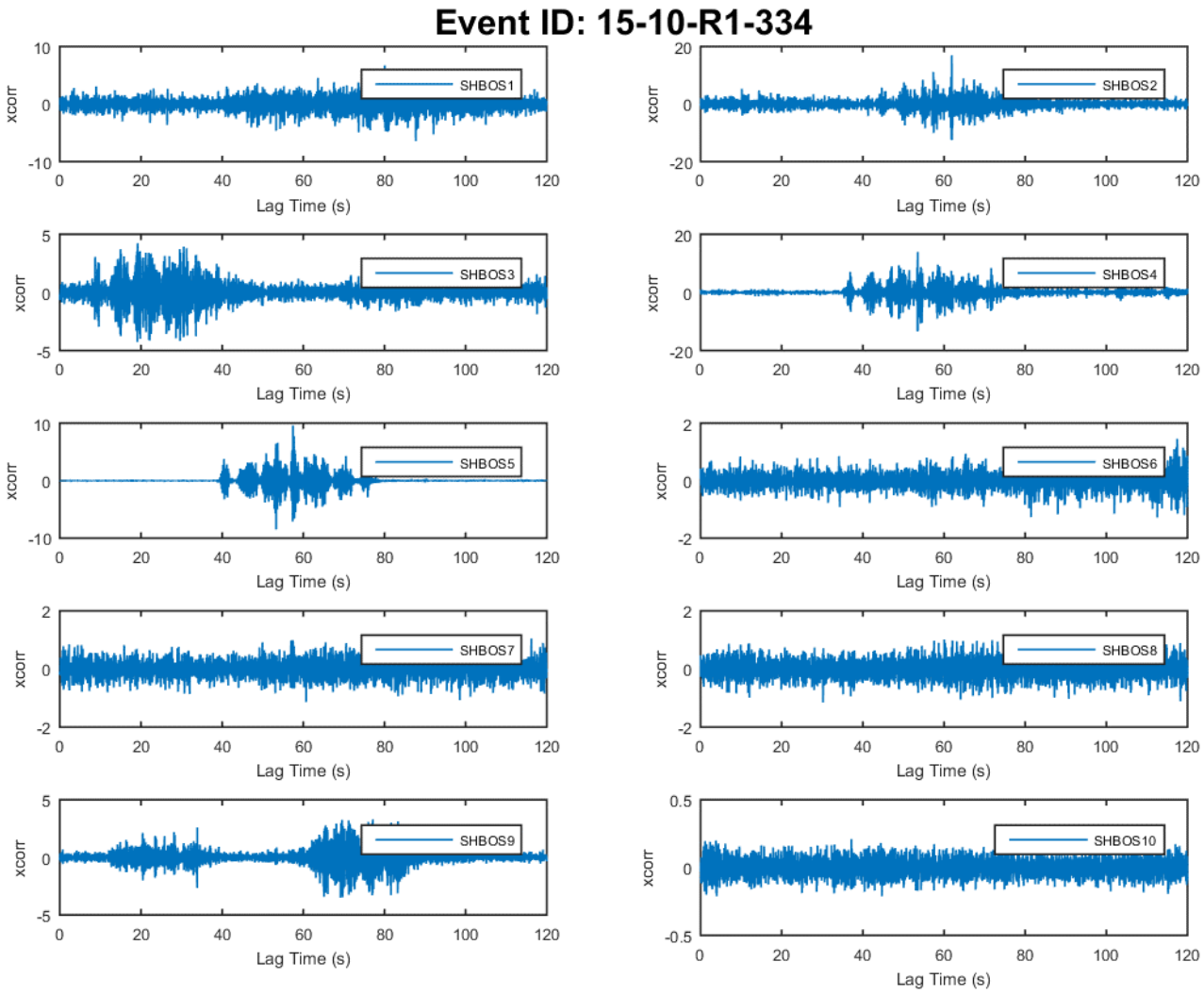


FIGURE 3.1332: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-334

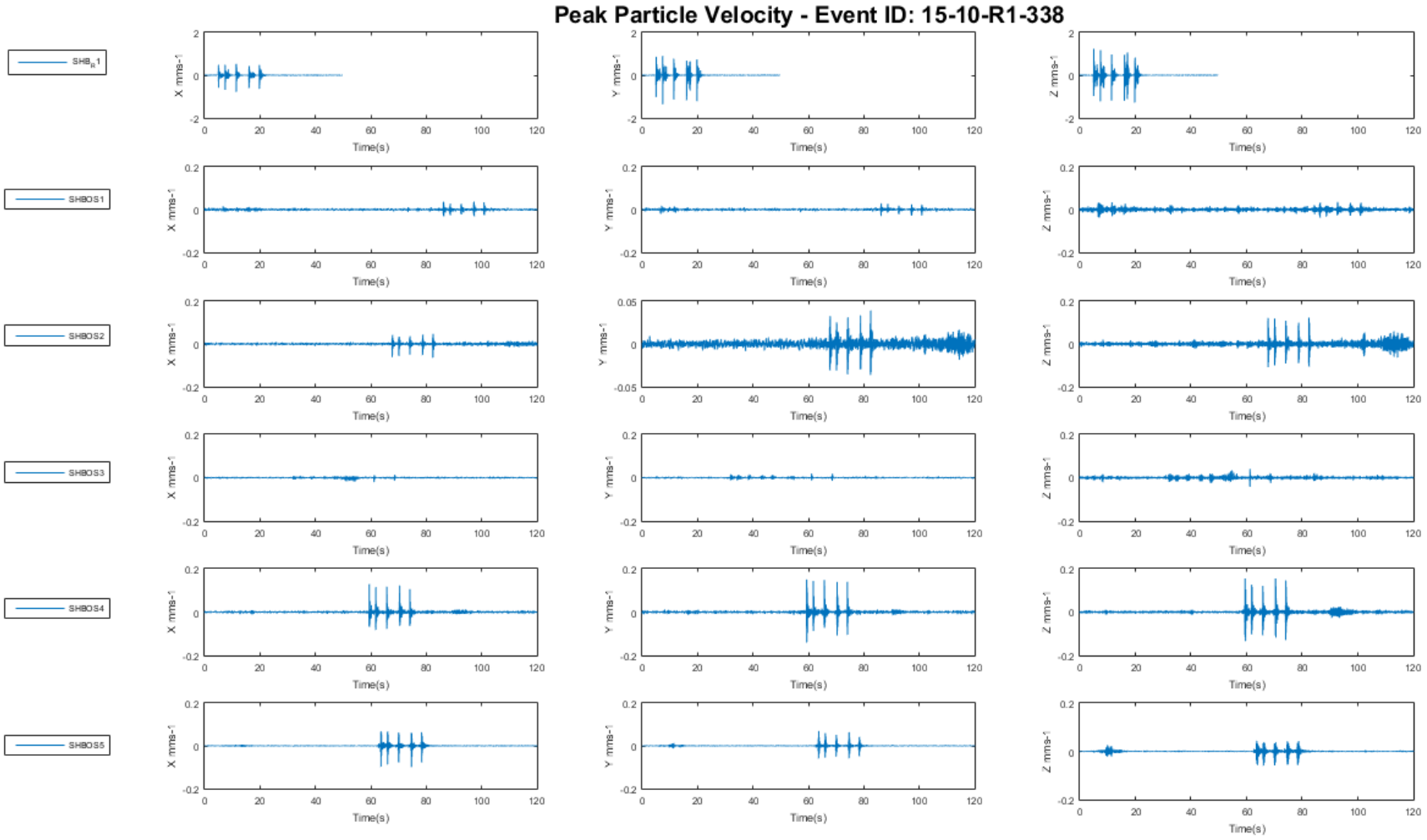


FIGURE 3.1333: SHB_OS 1 - 5 15-10-R1-338

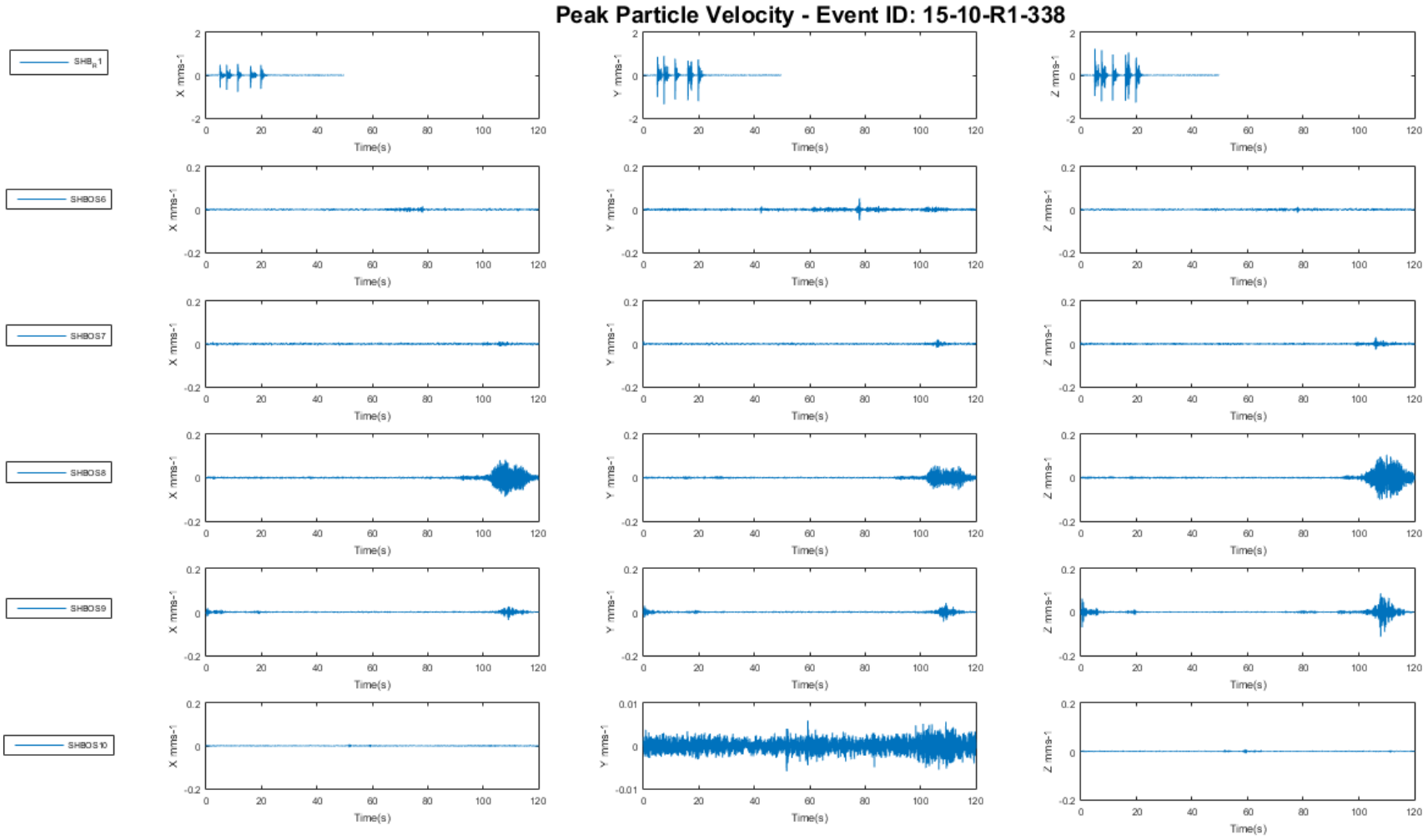


FIGURE 3.1334: SHB_OS 6 - 10 15-10-R1-338

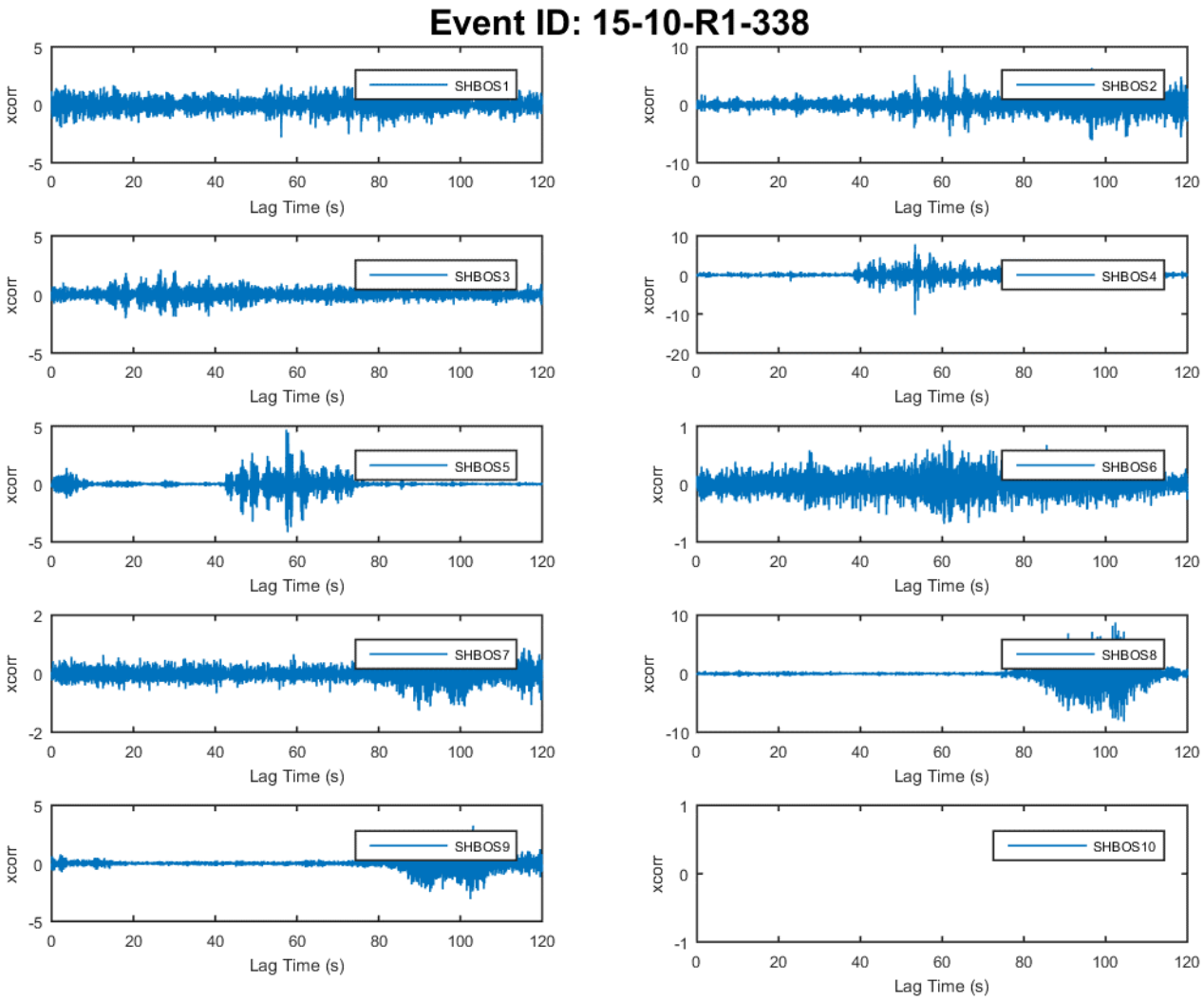


FIGURE 3.1335: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-338

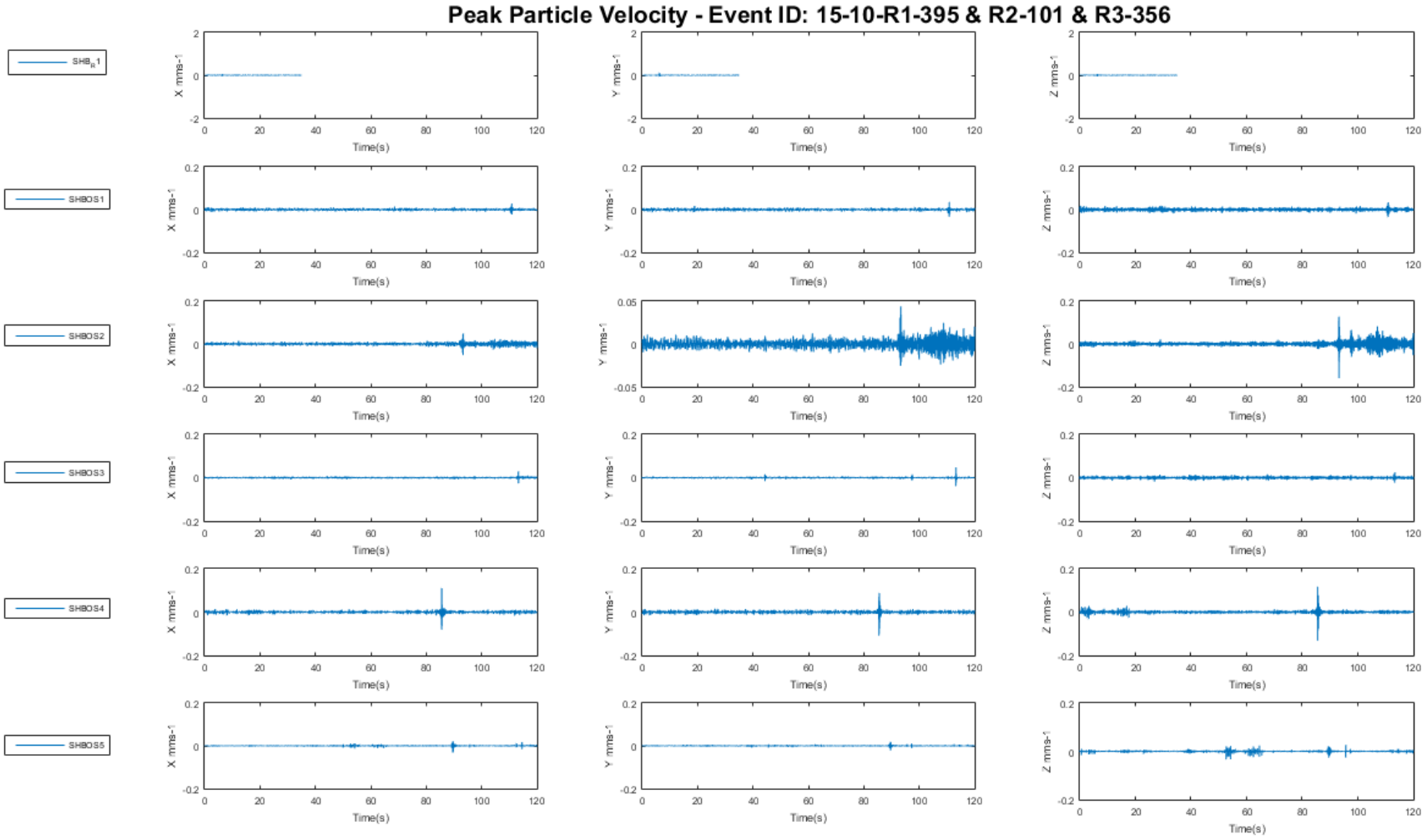


FIGURE 3.1336: SHB_OS 1 - 5 15-10-R1-395 & R2-101 & R3-356

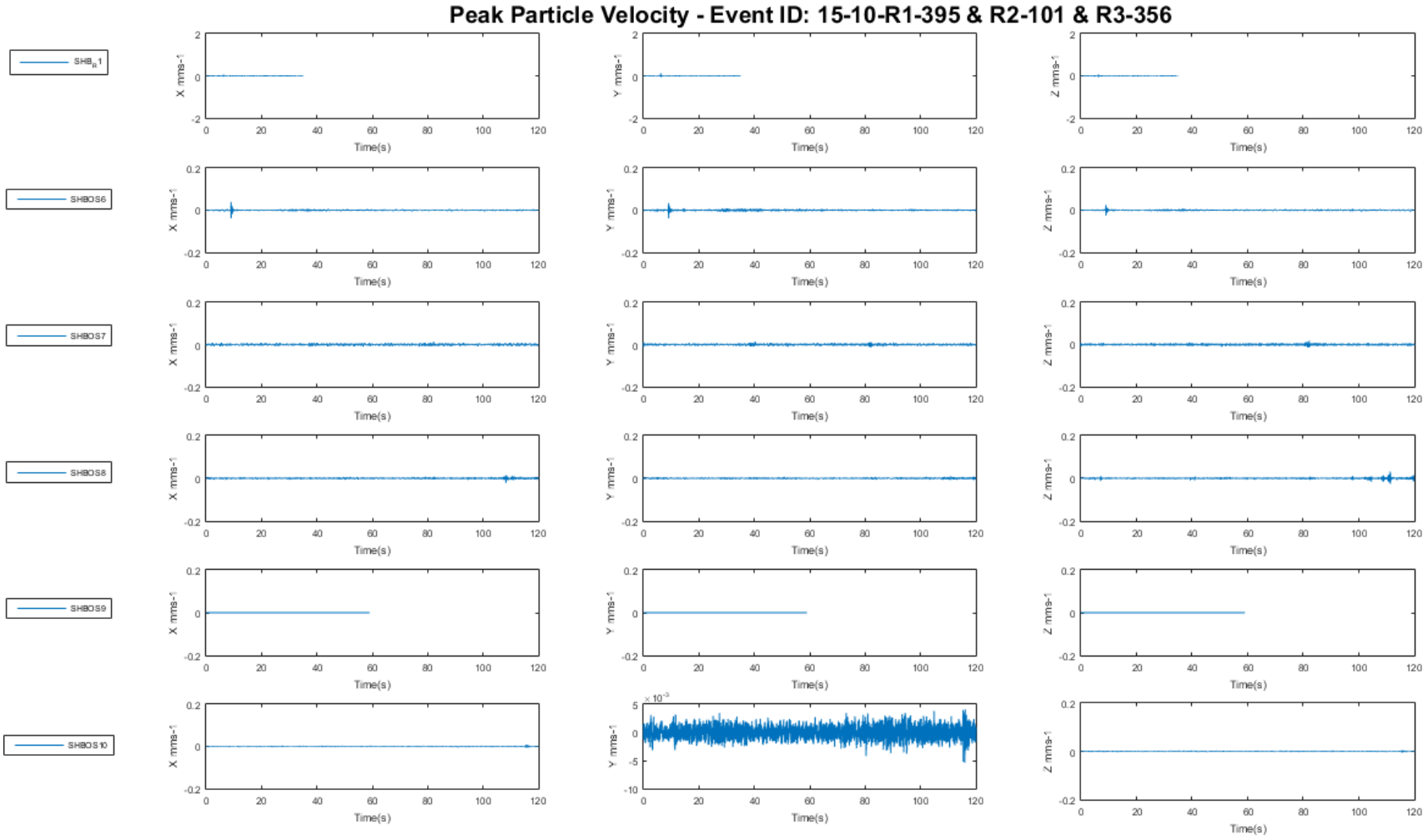


FIGURE 3.1337: SHB_OS 6 - 10 15-10-R1-395 & R2-101 & R3-356

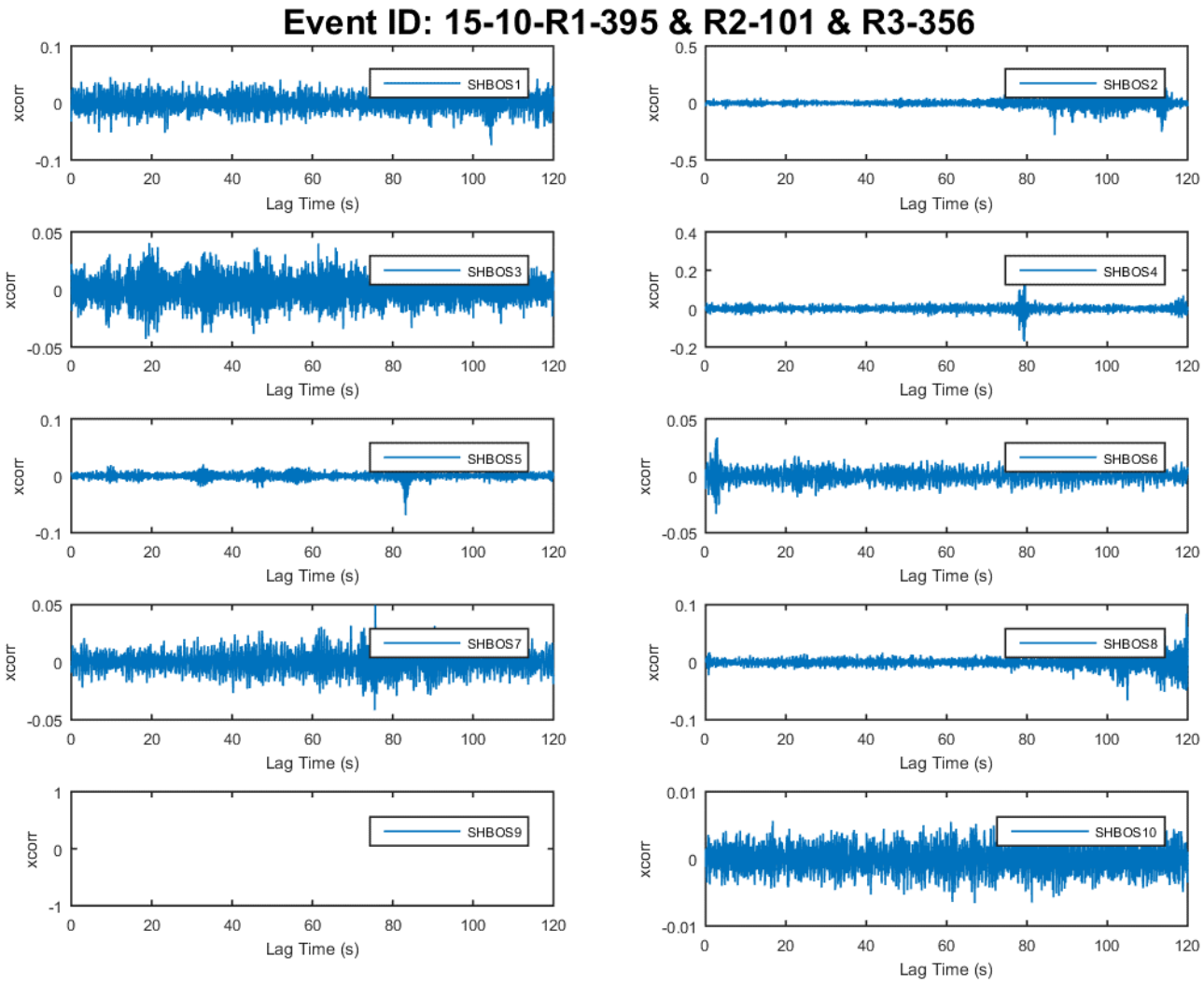


FIGURE 3.1338: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-395 & R2-101 & R3-356

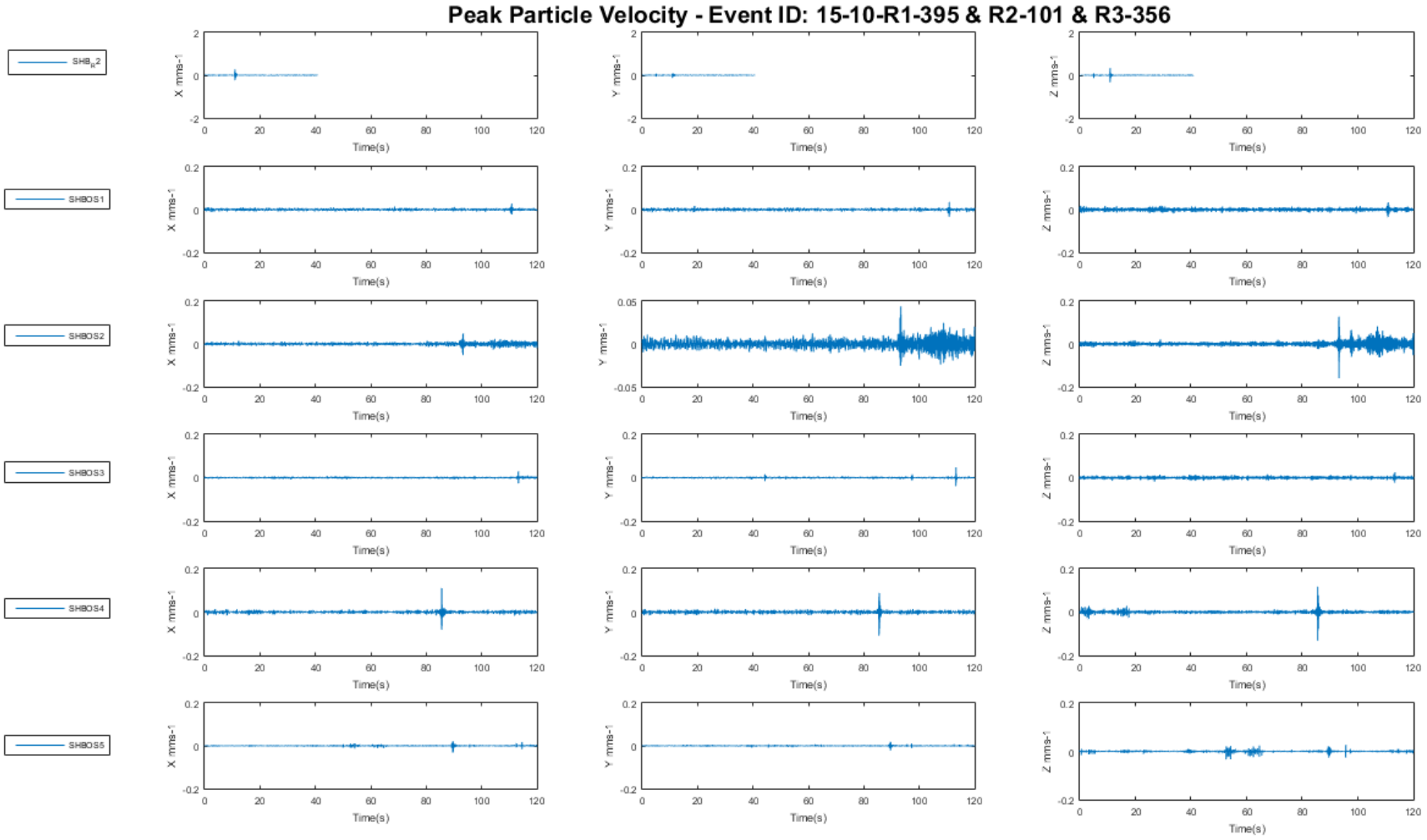


FIGURE 3.1339: SHB_OS 1 - 5 15-10-R1-395 & R2-101 & R3-356

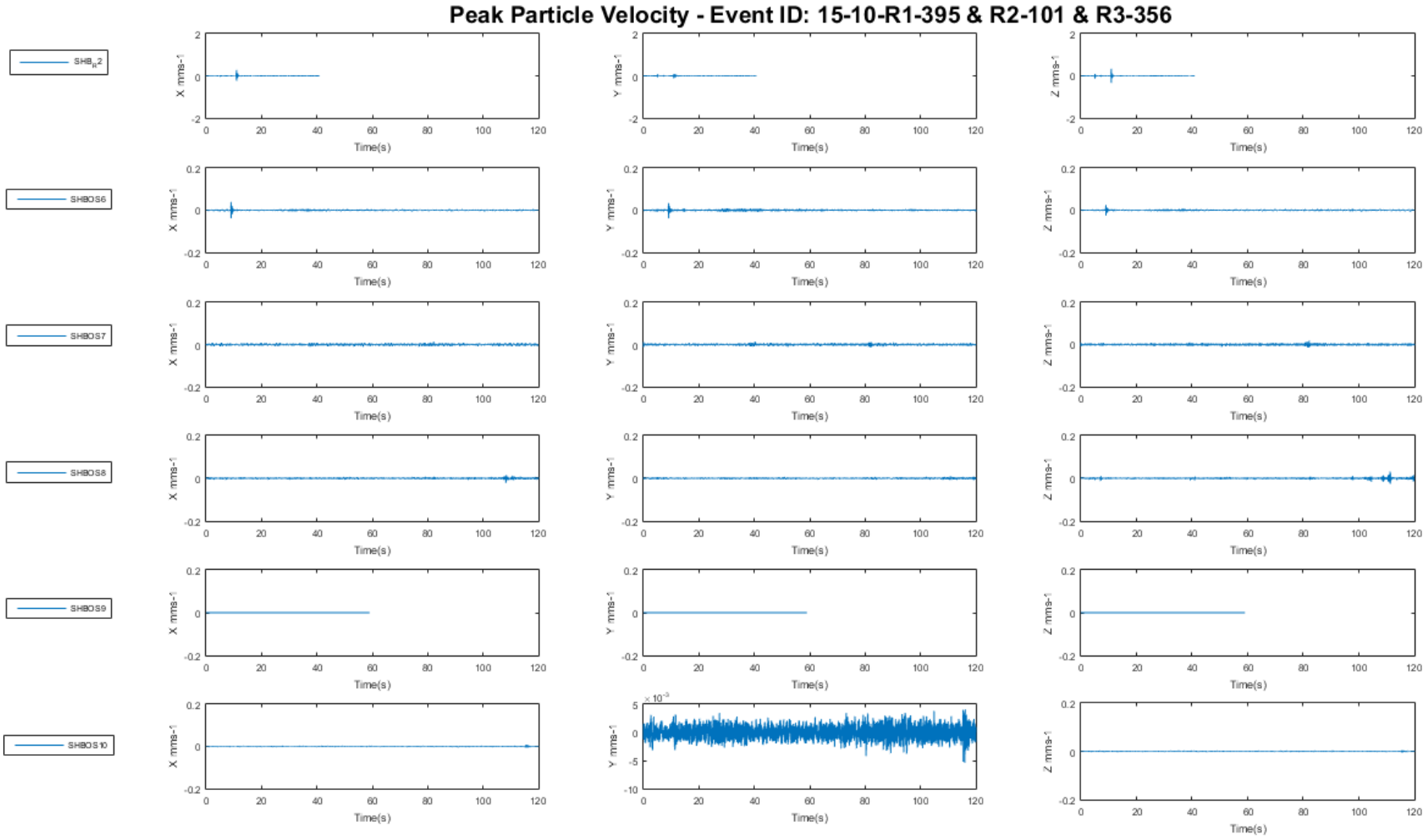


FIGURE 3.1340: SHB_OS 6 - 10 15-10-R1-395 & R2-101 & R3-356

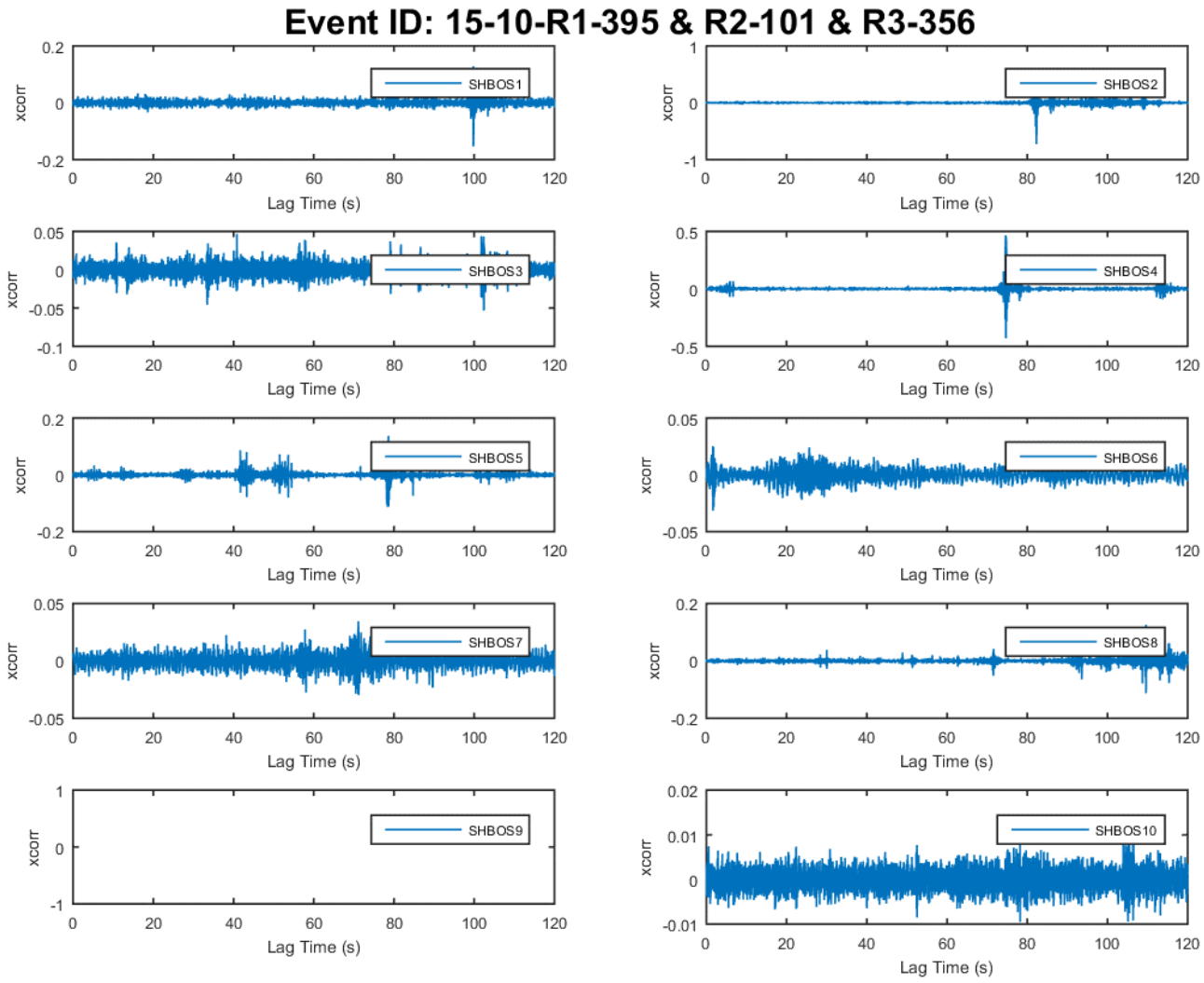


FIGURE 3.1341: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-395 & R2-101 & R3-356

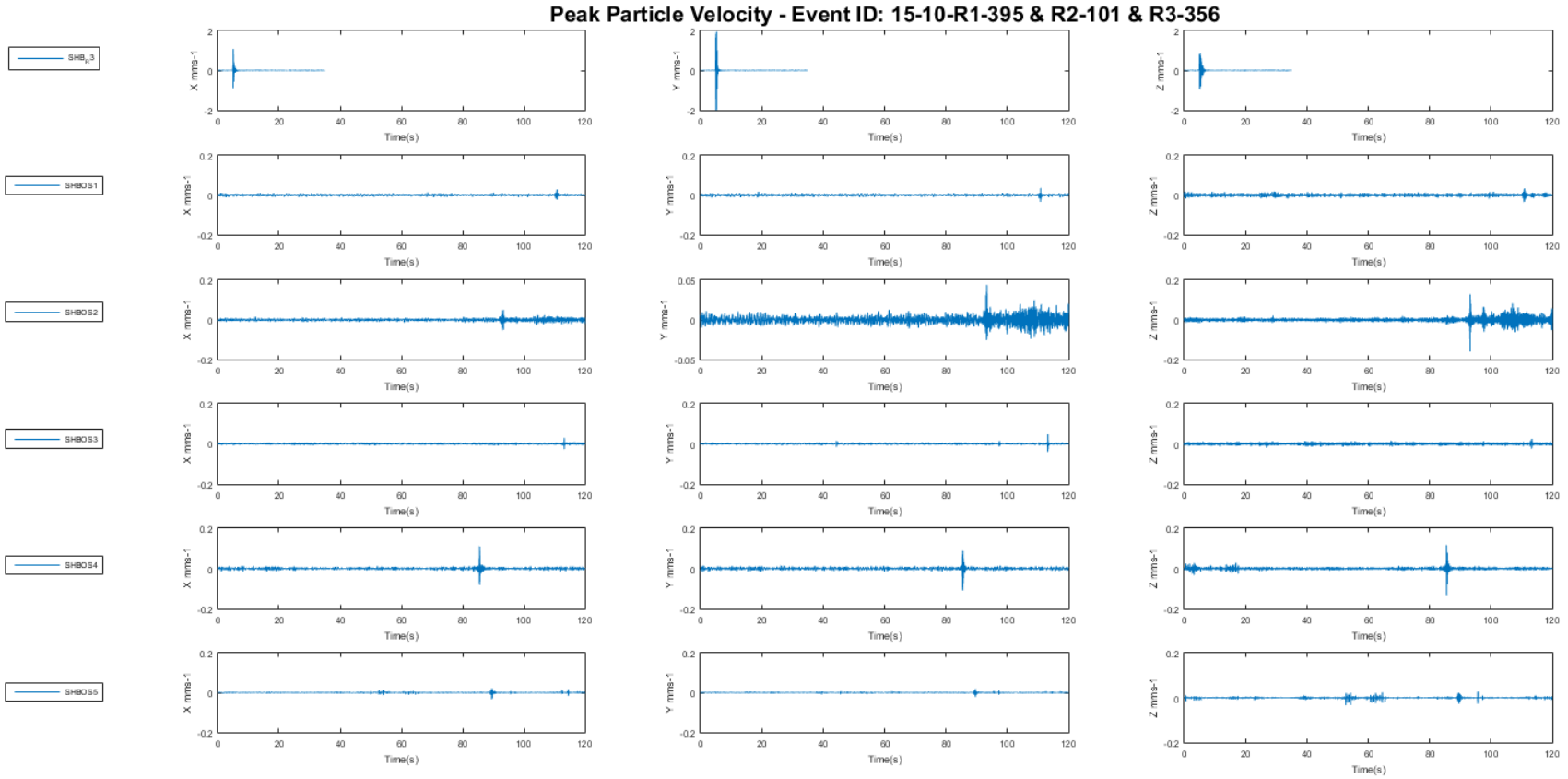


FIGURE 3.1342: SHB_OS 1 - 5 15-10-R1-395 & R2-101 & R3-356

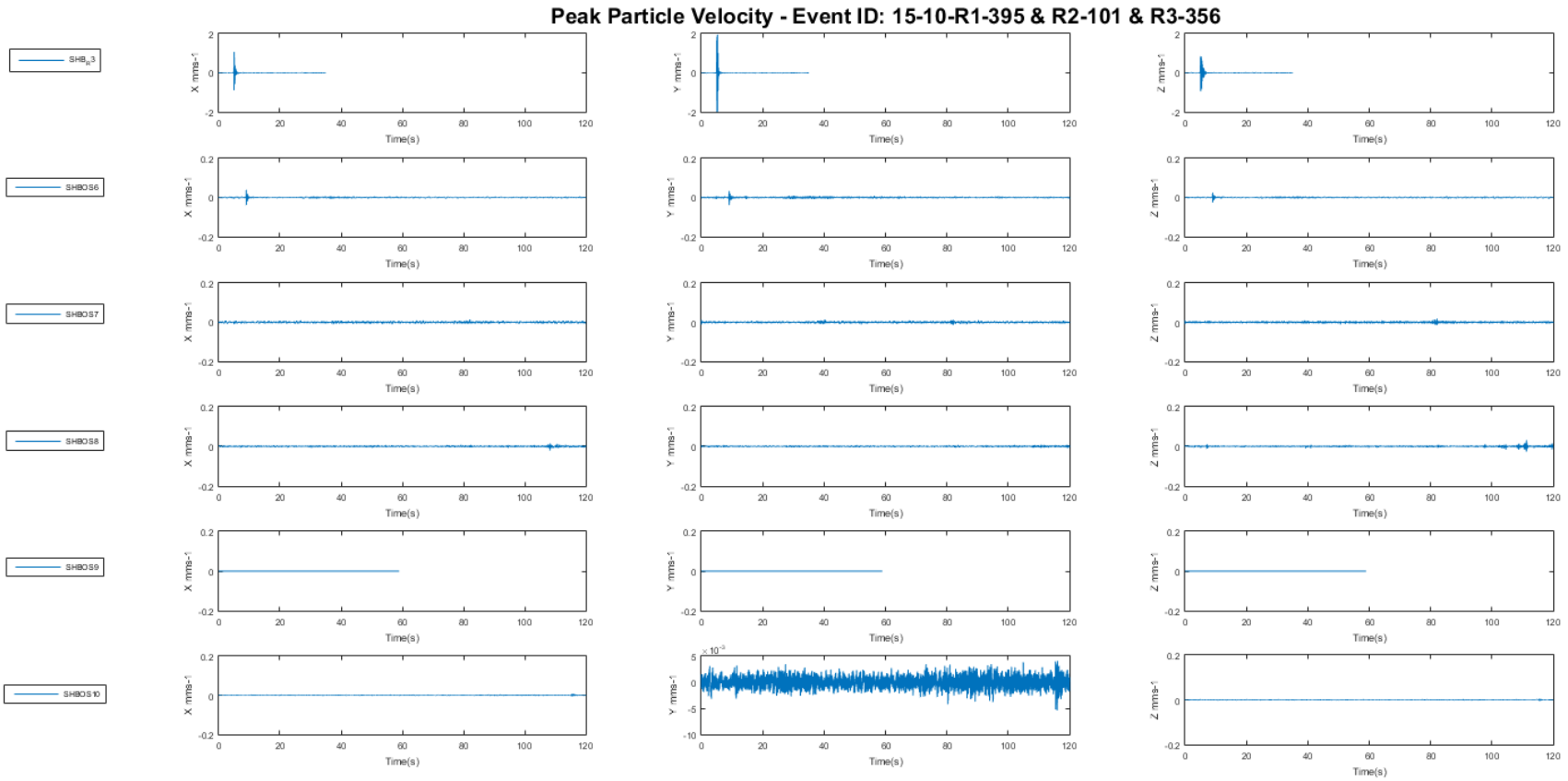


FIGURE 3.1343: SHB_OS 6 - 10 15-10-R1-395 & R2-101 & R3-356

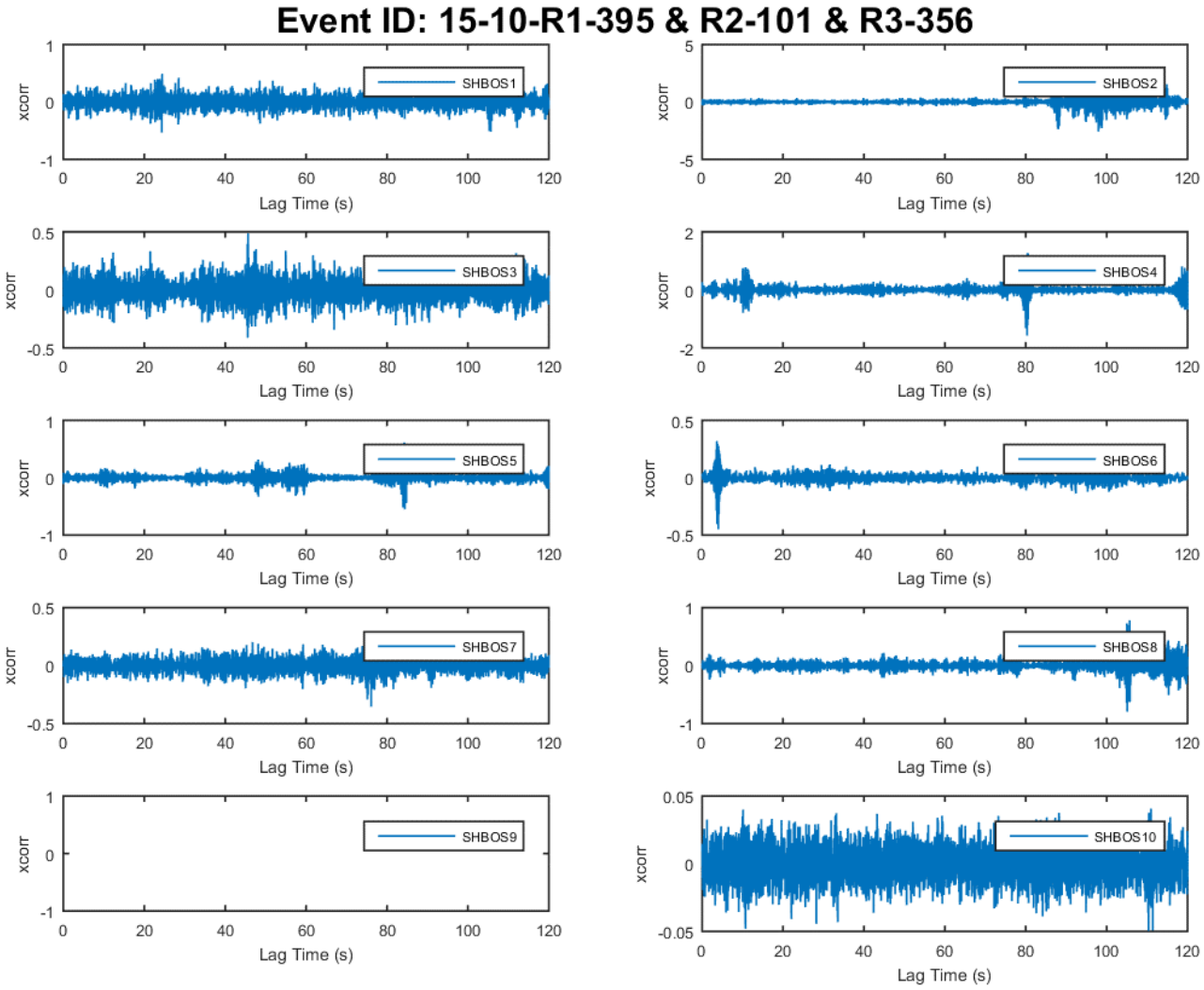


FIGURE 3.1344: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-395 & R2-101 & R3-356

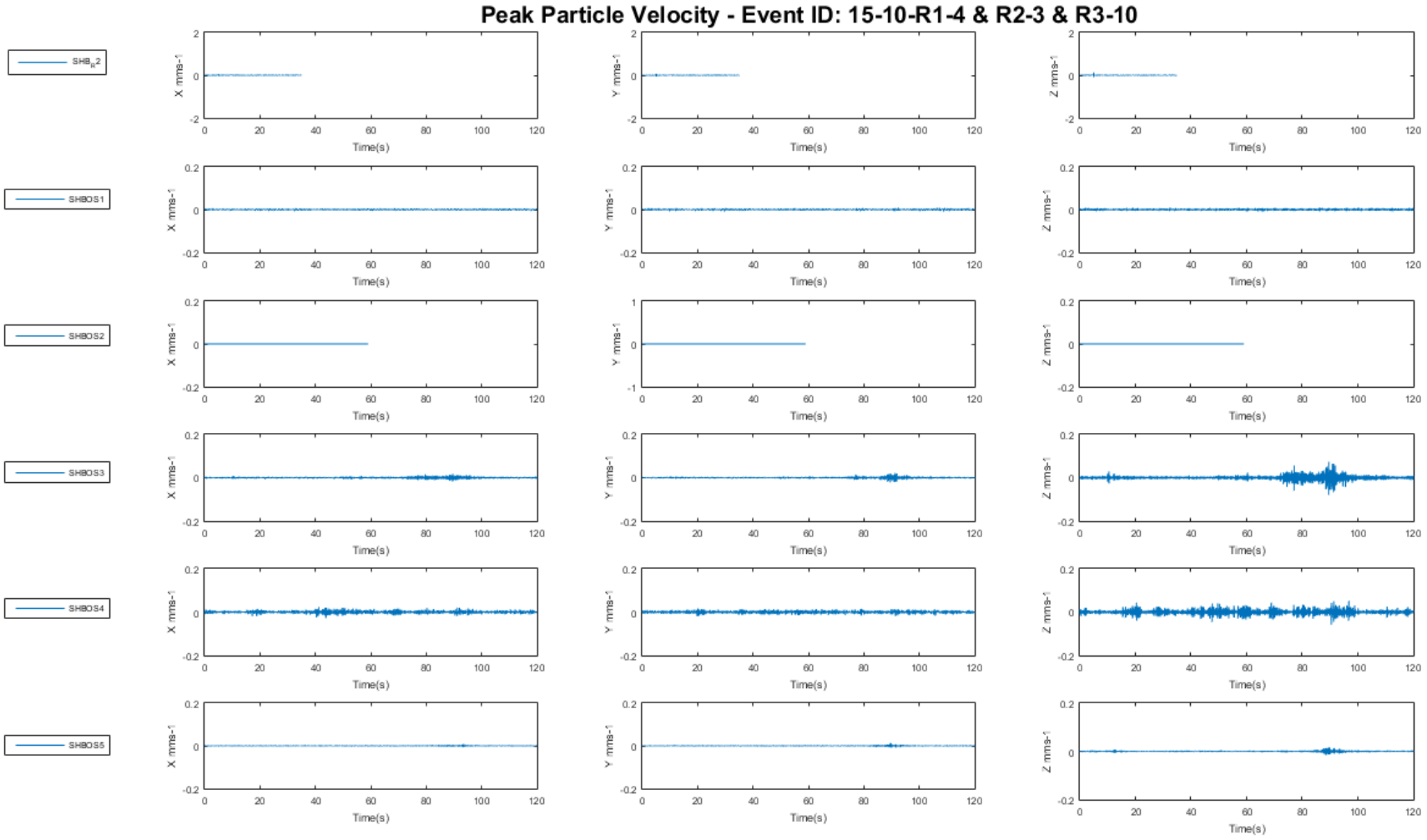


FIGURE 3.1345: SHB_OS 1 - 5 15-10-R1-4 & R2-3 & R3-10

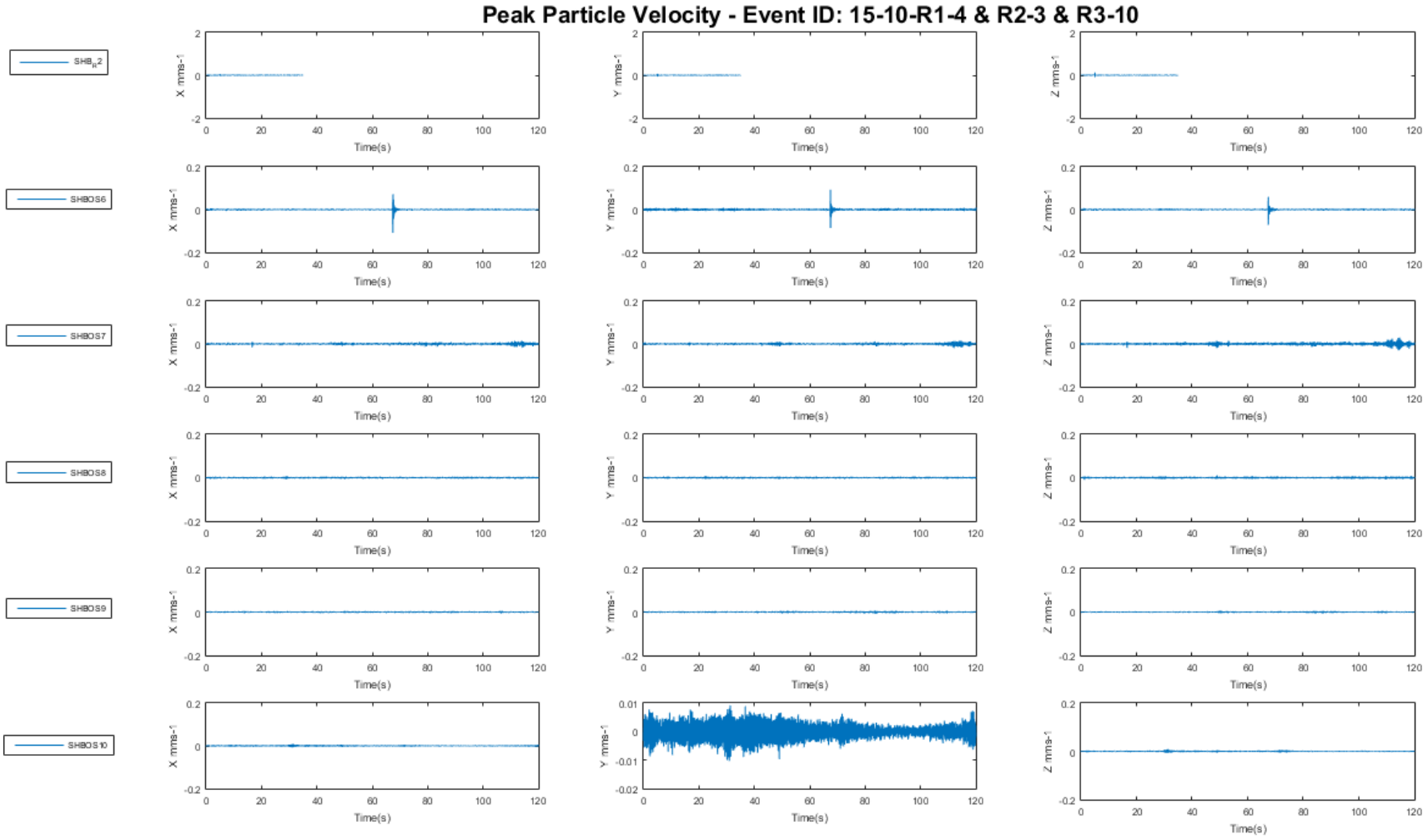


FIGURE 3.1346: SHB_OS 6 - 10 15-10-R1-4 & R2-3 & R3-10

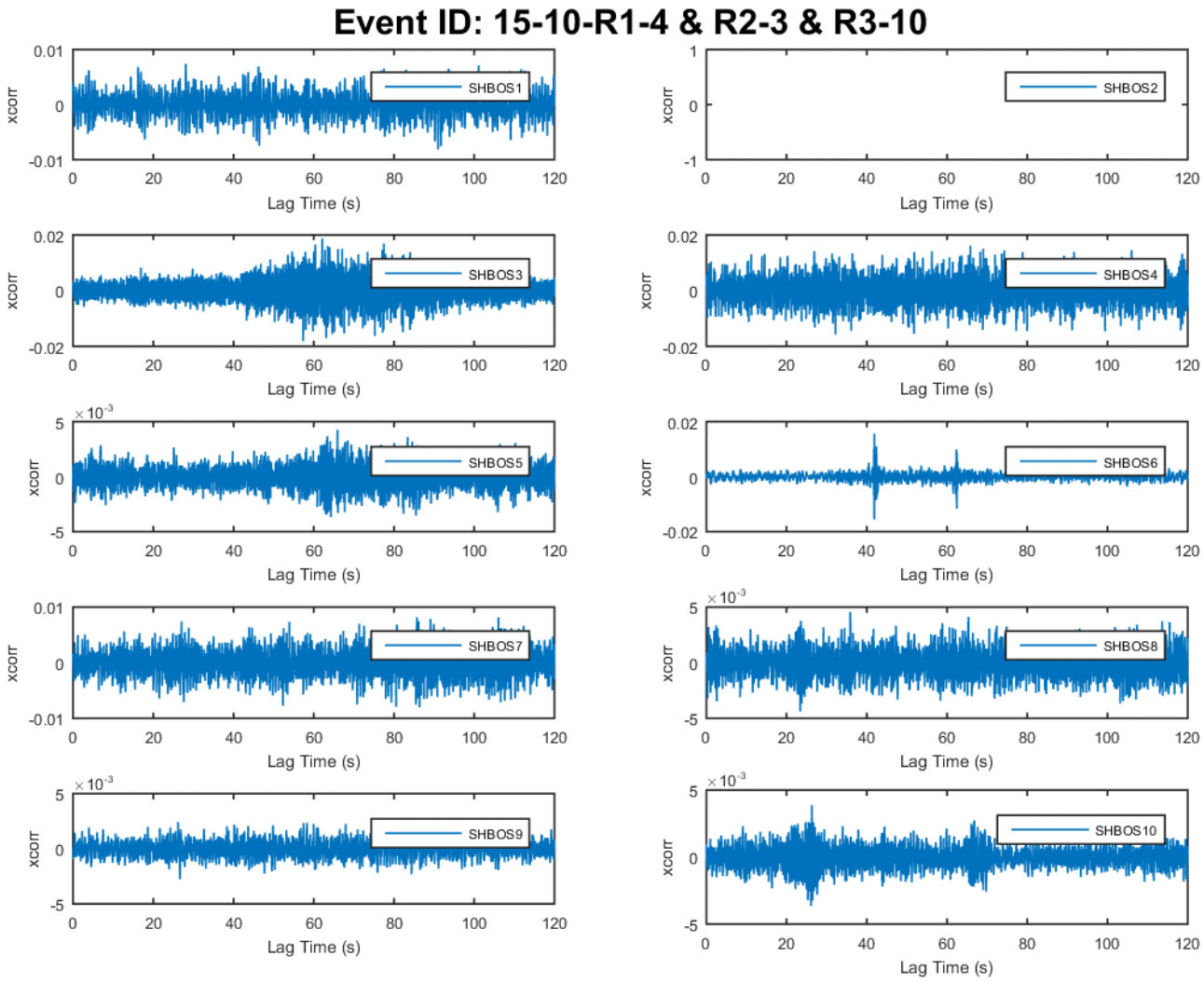


FIGURE 3.1347: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-4 & R2-3 & R3-10

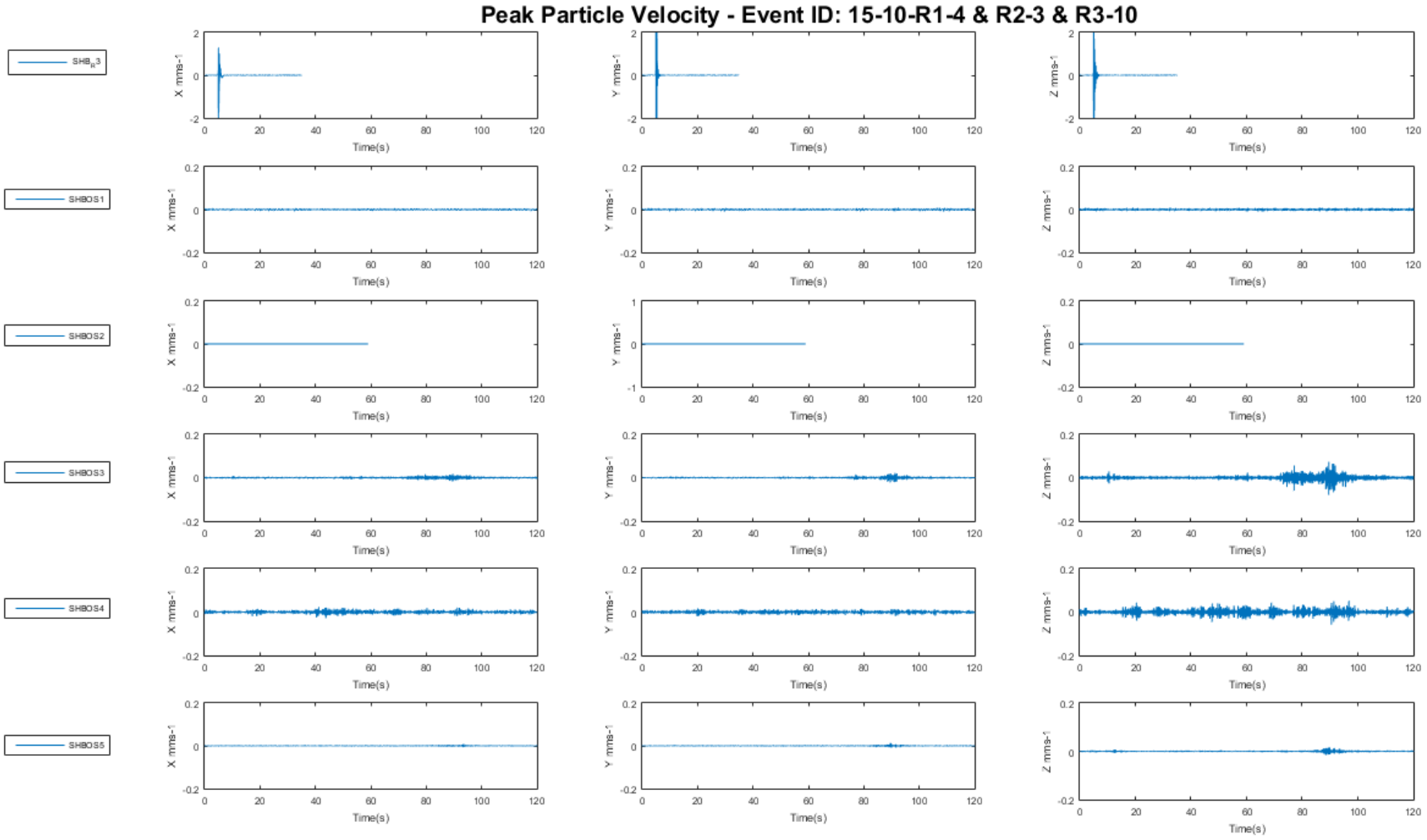


FIGURE 3.1348: SHB_OS 1 - 5 15-10-R1-4 & R2-3 & R3-10

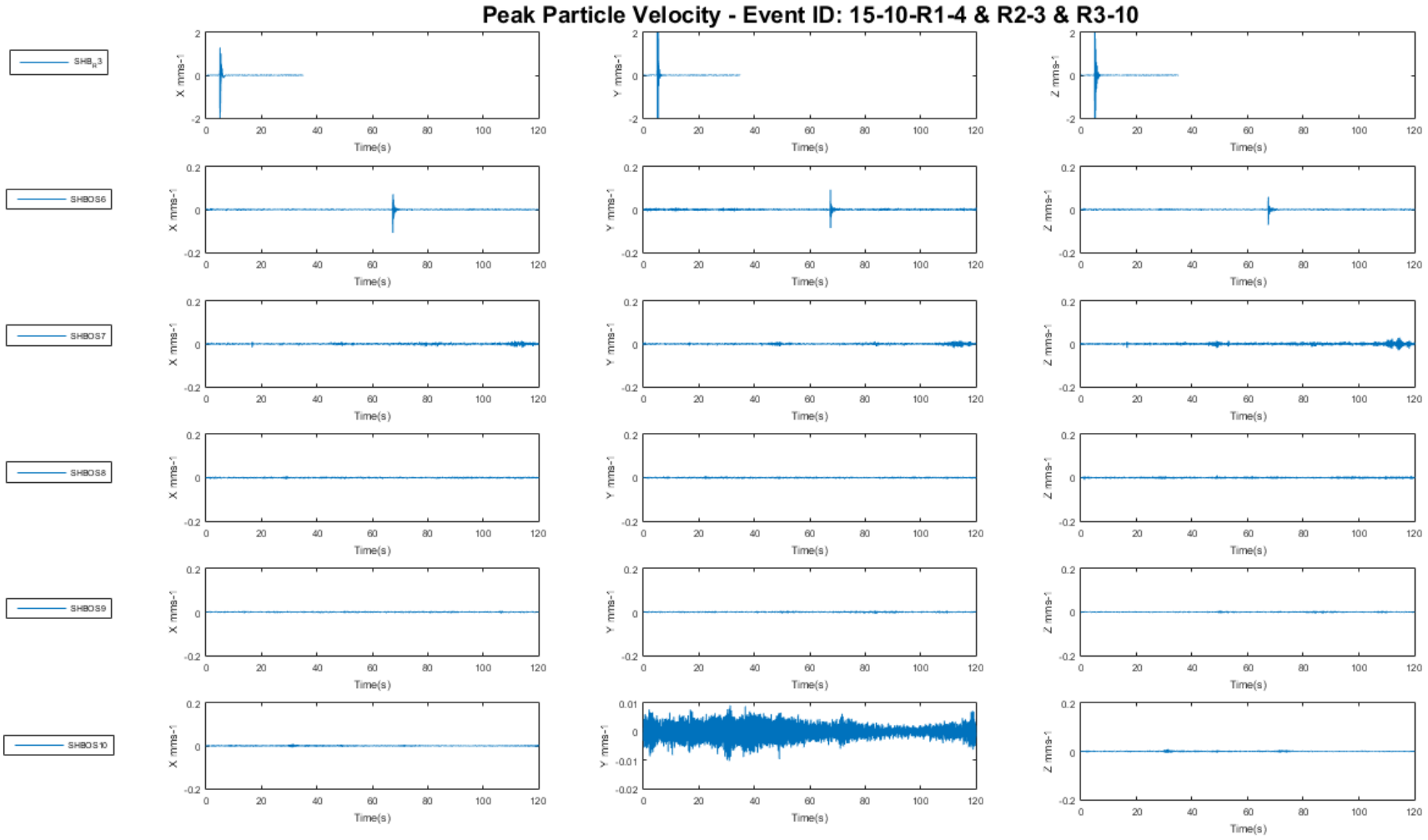


FIGURE 3.1349: SHB_OS 6 - 10 15-10-R1-4 & R2-3 & R3-10

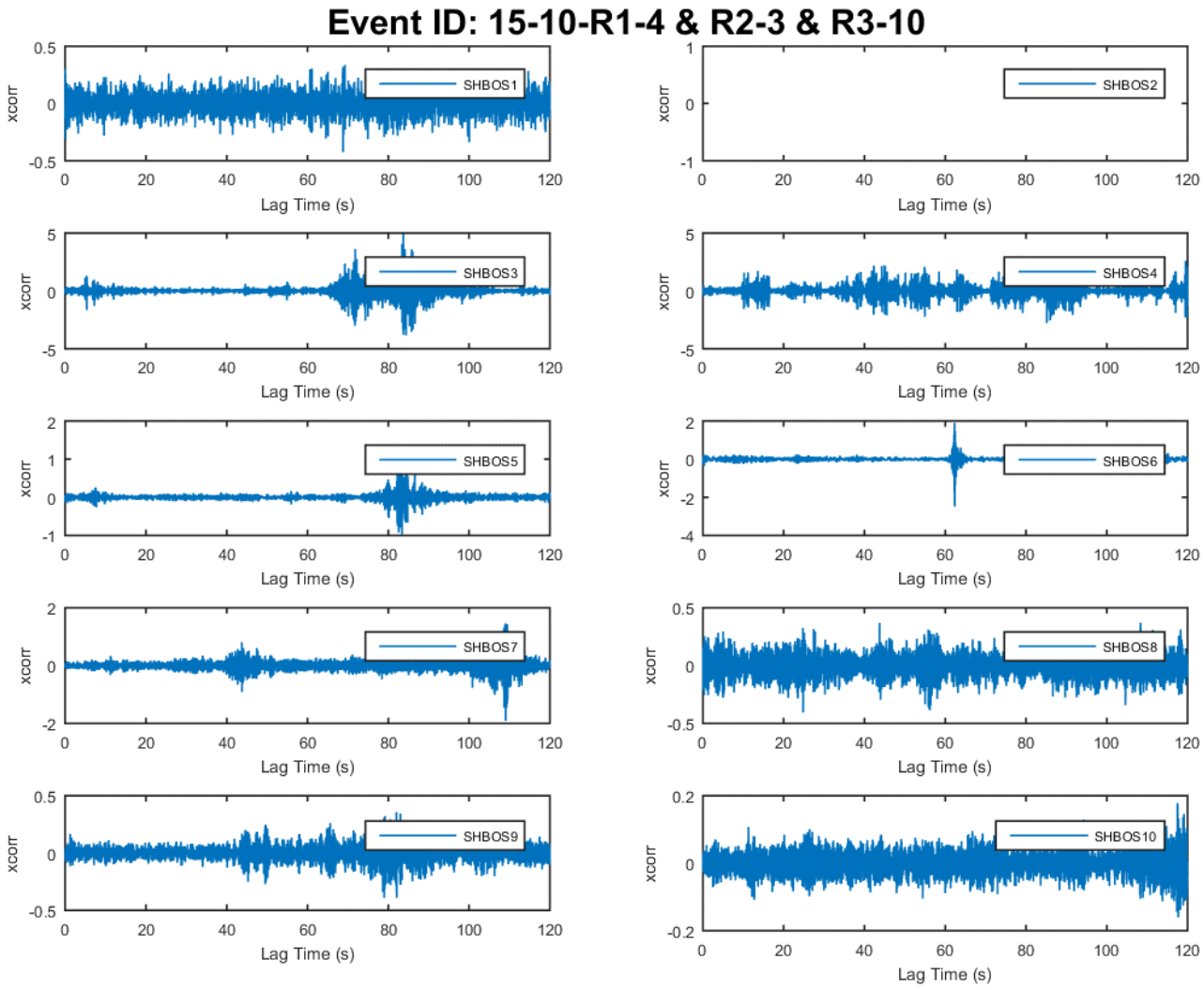


FIGURE 3.1350: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-4 & R2-3 & R3-10

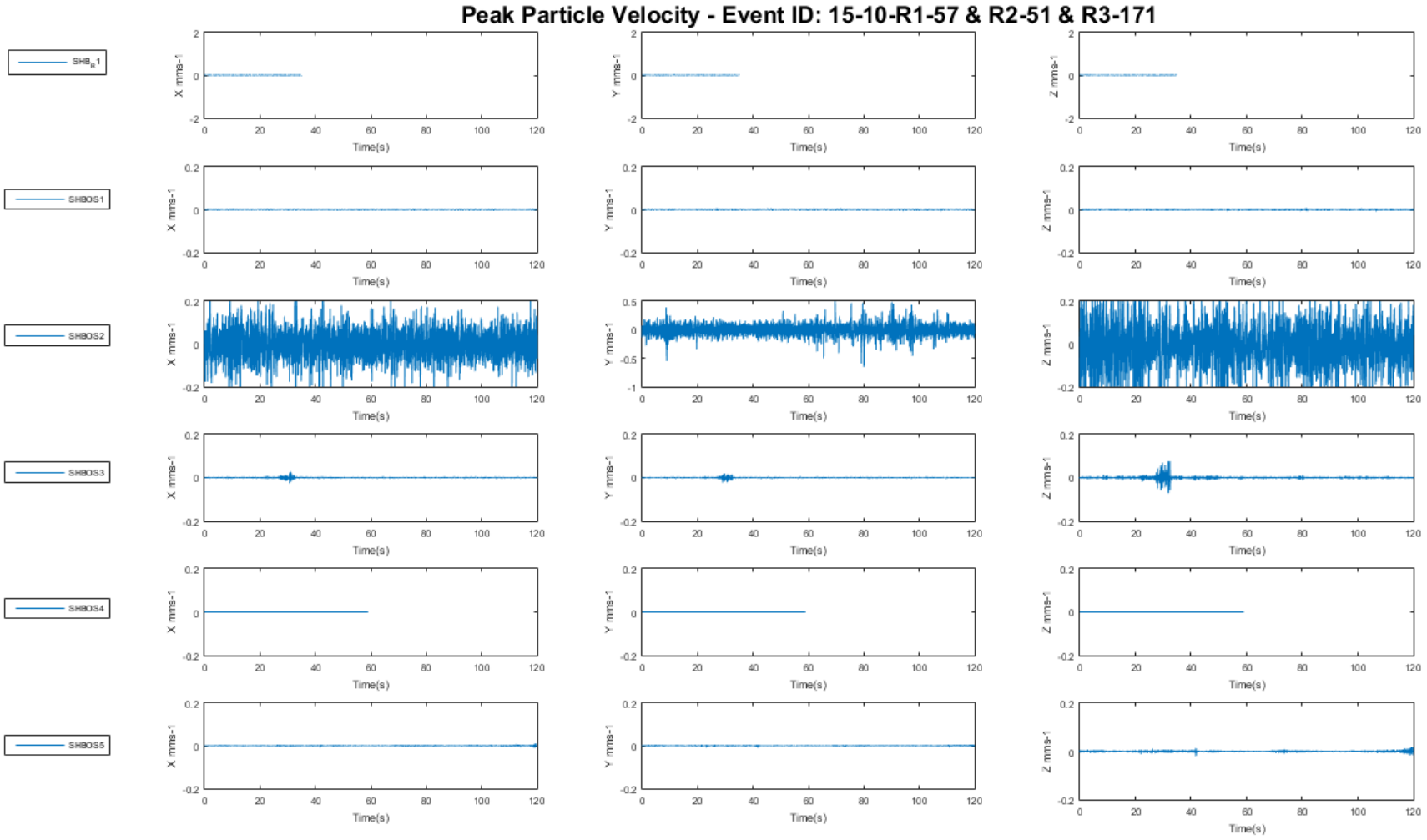


FIGURE 3.1351: SHB_OS 1 - 5 15-10-R1-57 & R2-51 & R3-171

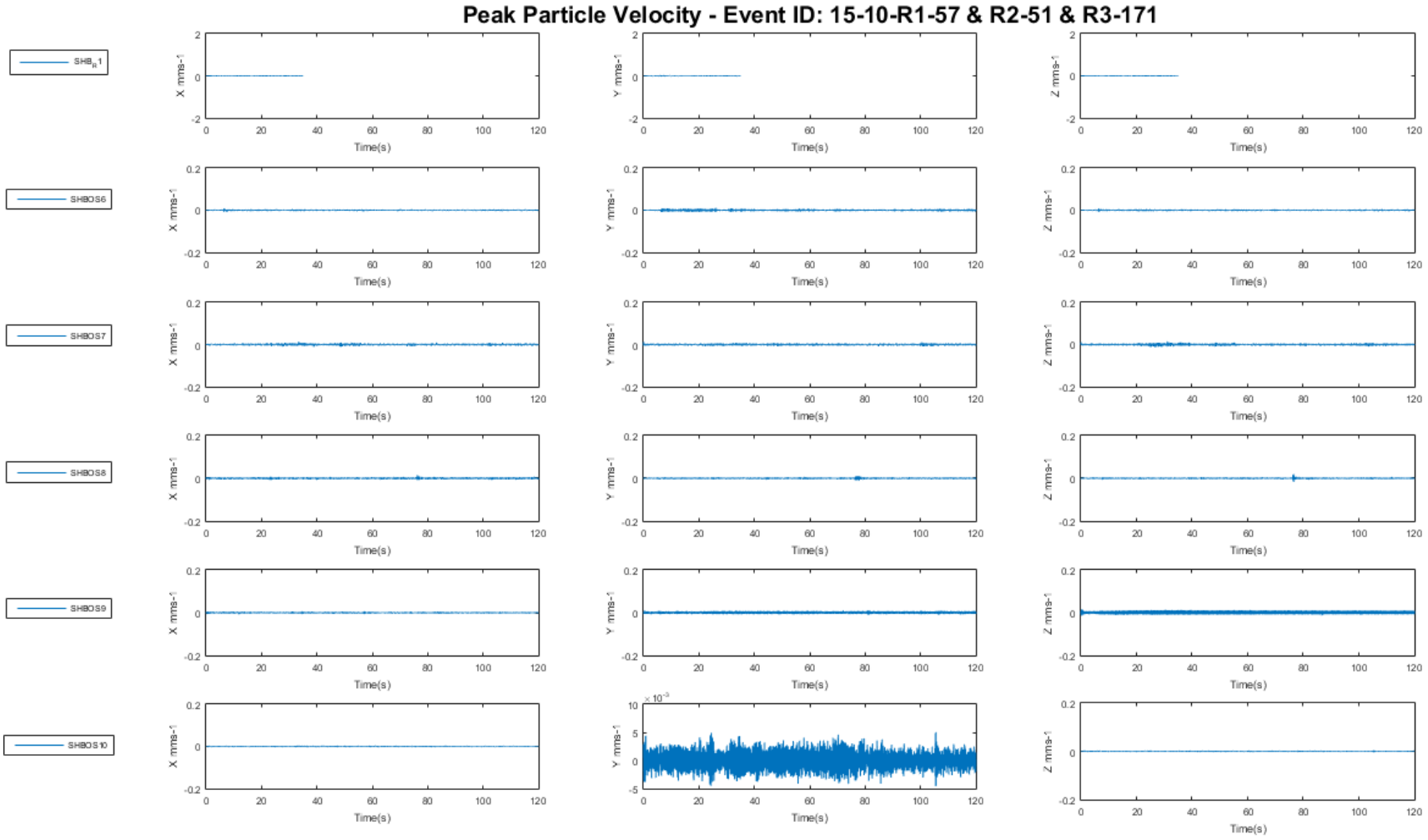


FIGURE 3.1352: SHB_OS 6 - 10 15-10-R1-57 & R2-51 & R3-171

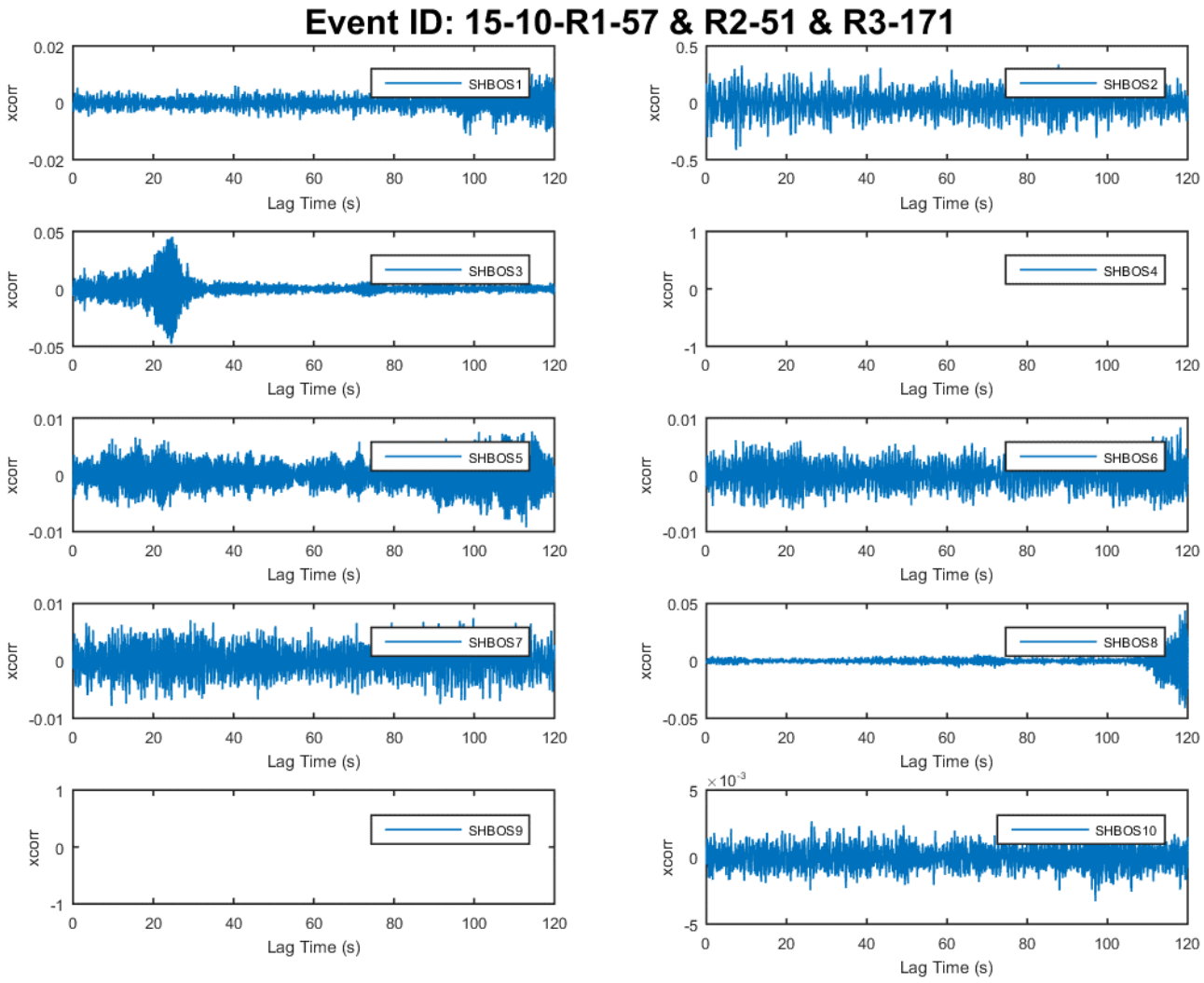


FIGURE 3.1353: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-57 & R2-51 & R3-171

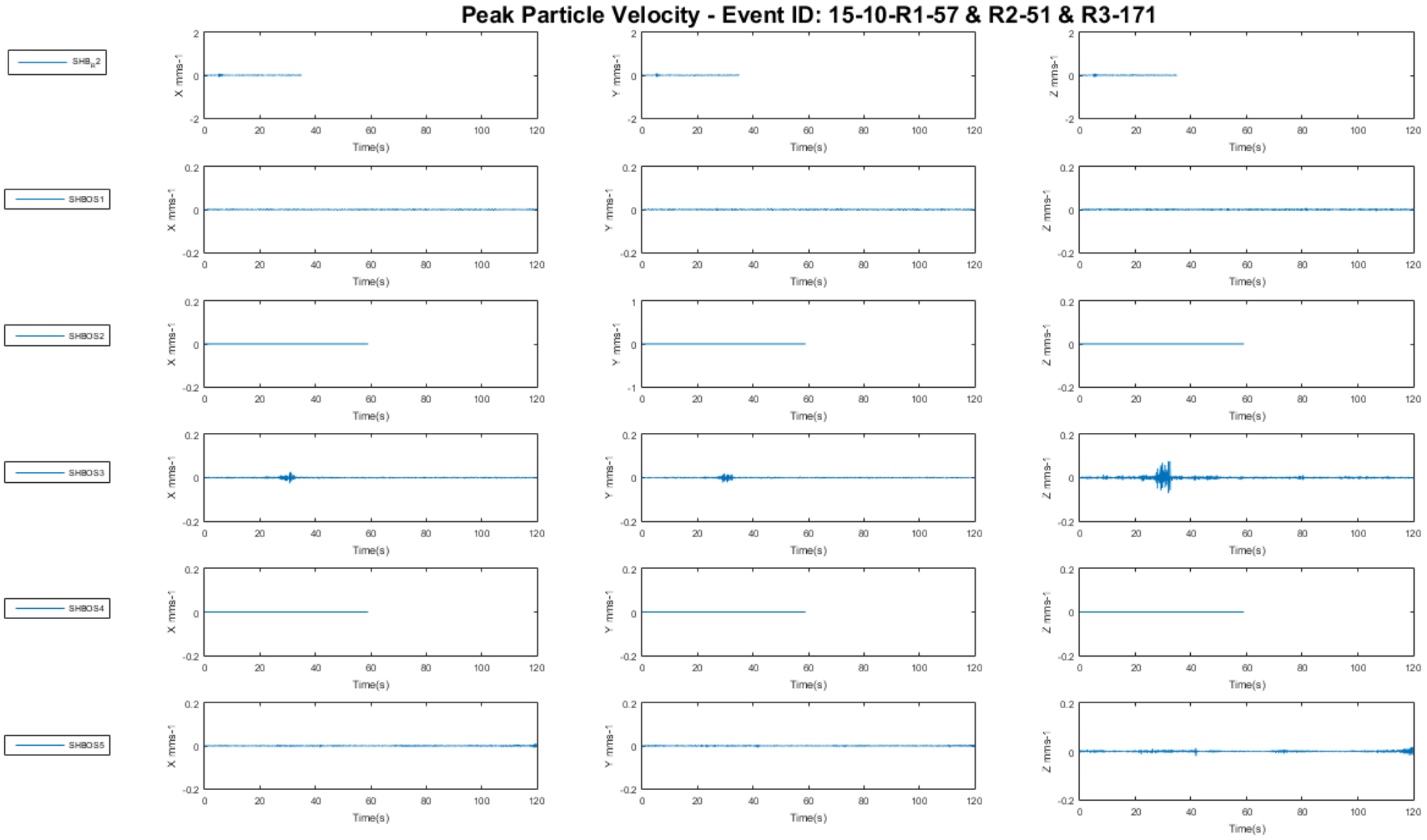


FIGURE 3.1354: SHB_OS 1 - 5 15-10-R1-57 & R2-51 & R3-171

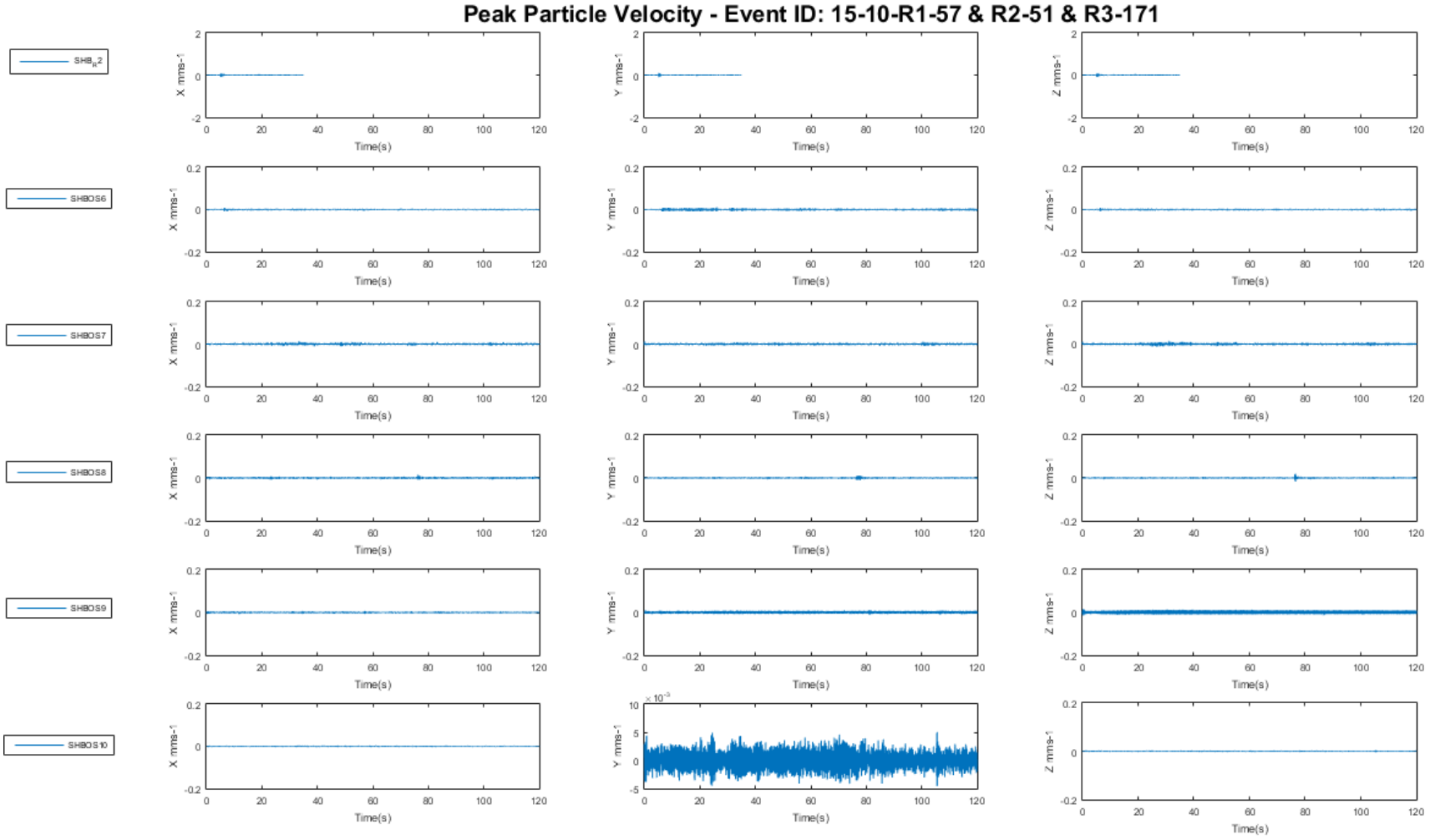


FIGURE 3.1355: SHB_OS 6 - 10 15-10-R1-57 & R2-51 & R3-171

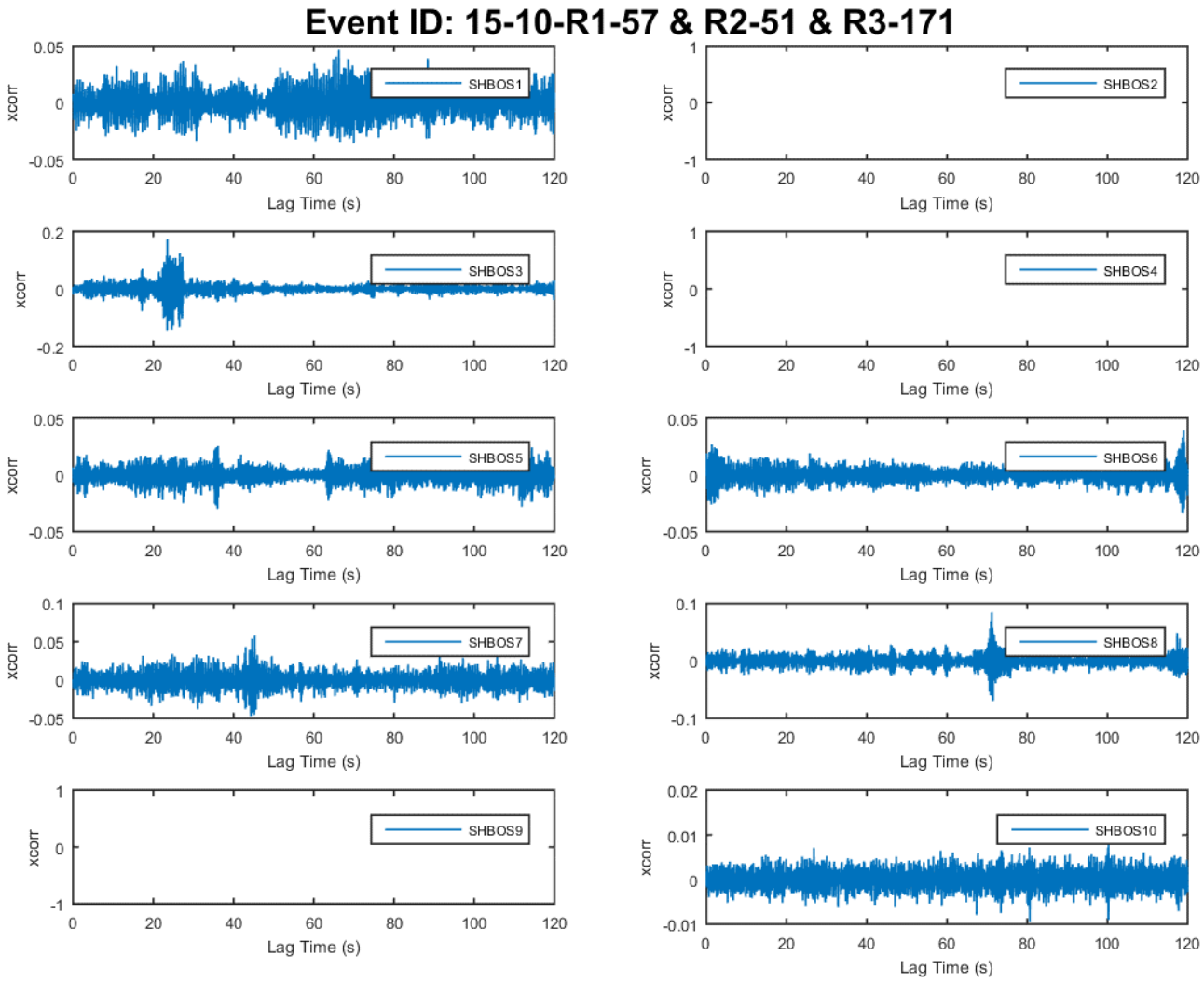


FIGURE 3.1356: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-57 & R2-51 & R3-171

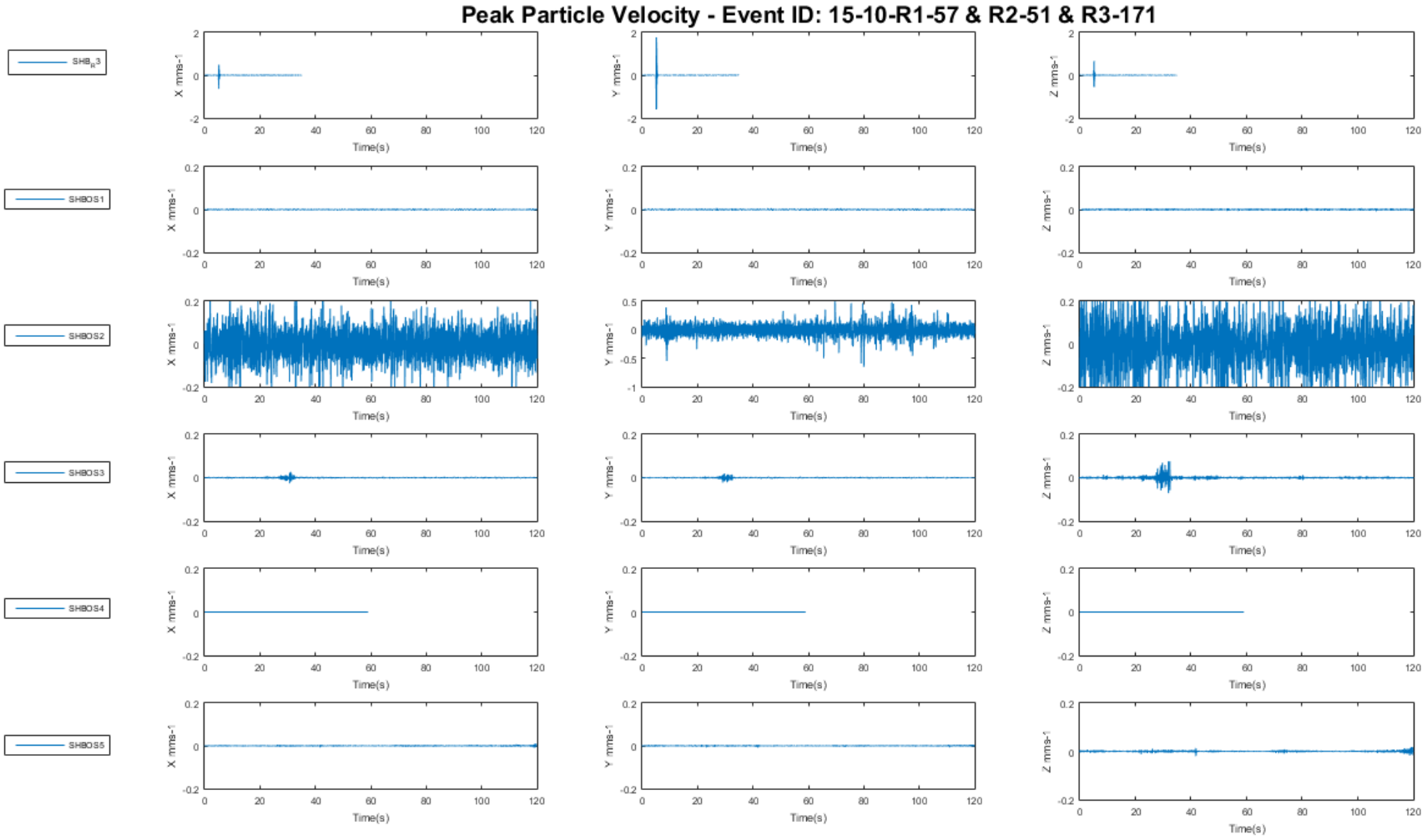


FIGURE 3.1357: SHB_OS 1 - 5 15-10-R1-57 & R2-51 & R3-171

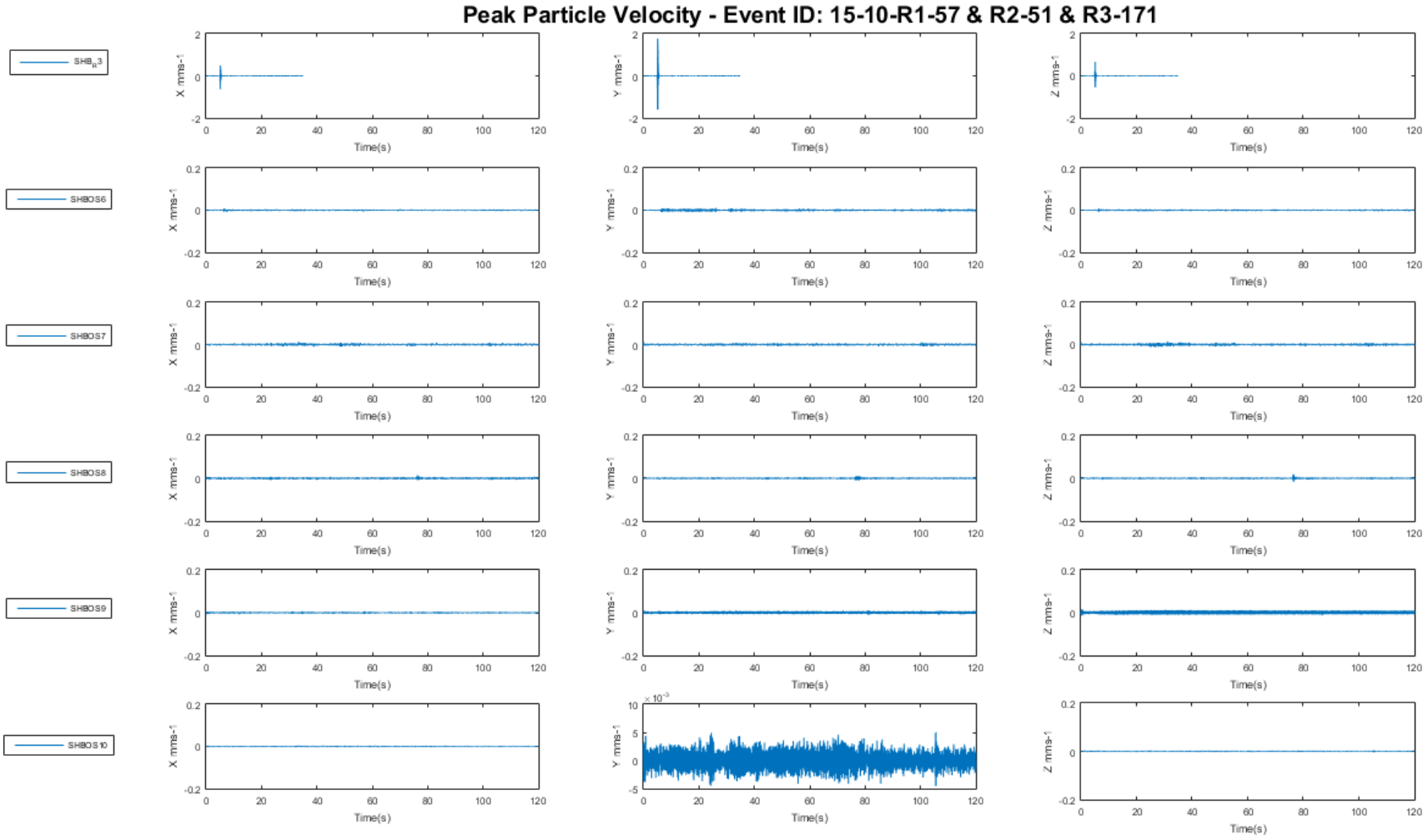


FIGURE 3.1358: SHB_OS 6 - 10 15-10-R1-57 & R2-51 & R3-171

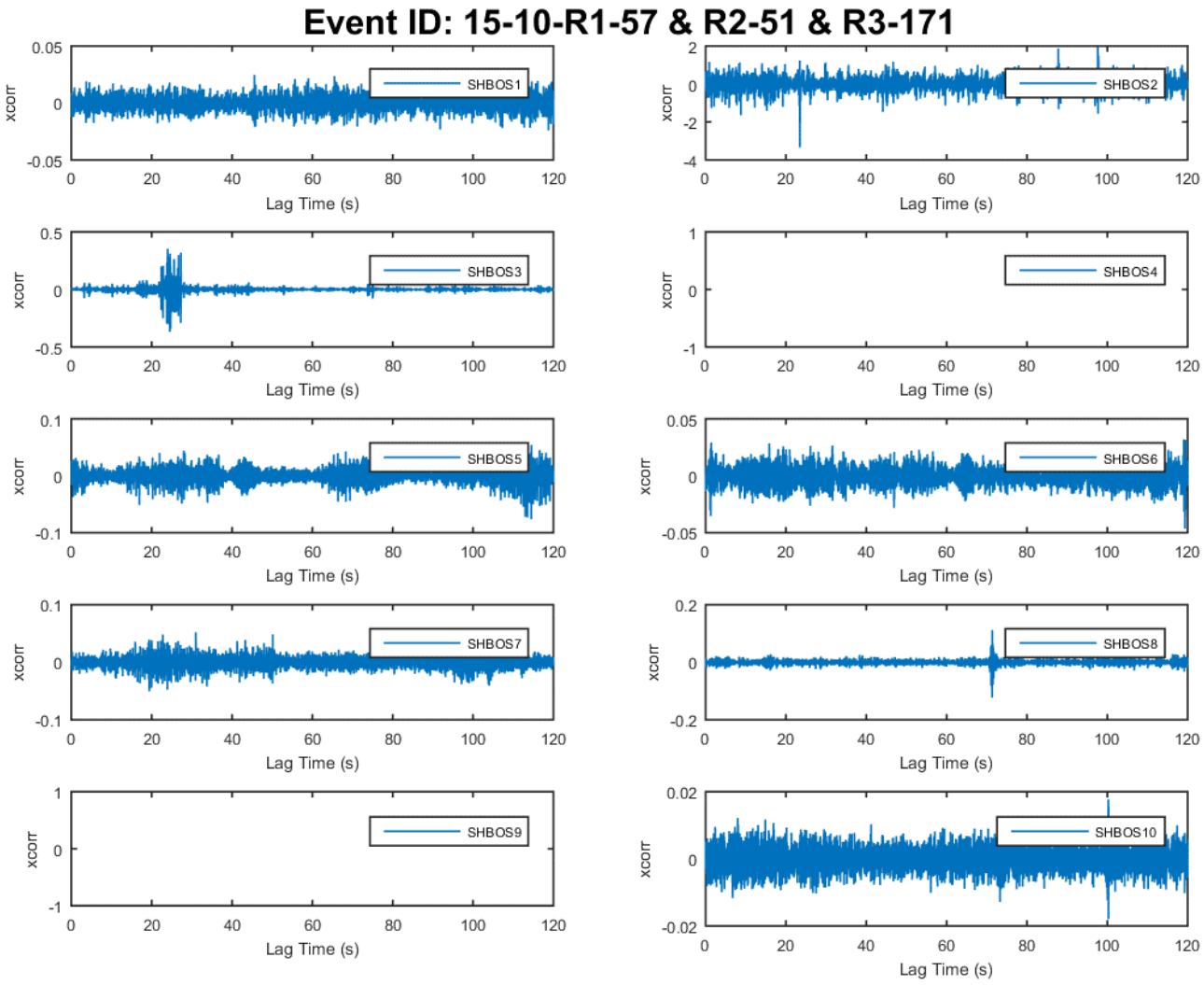


FIGURE 3.1359: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-57 & R2-51 & R3-171

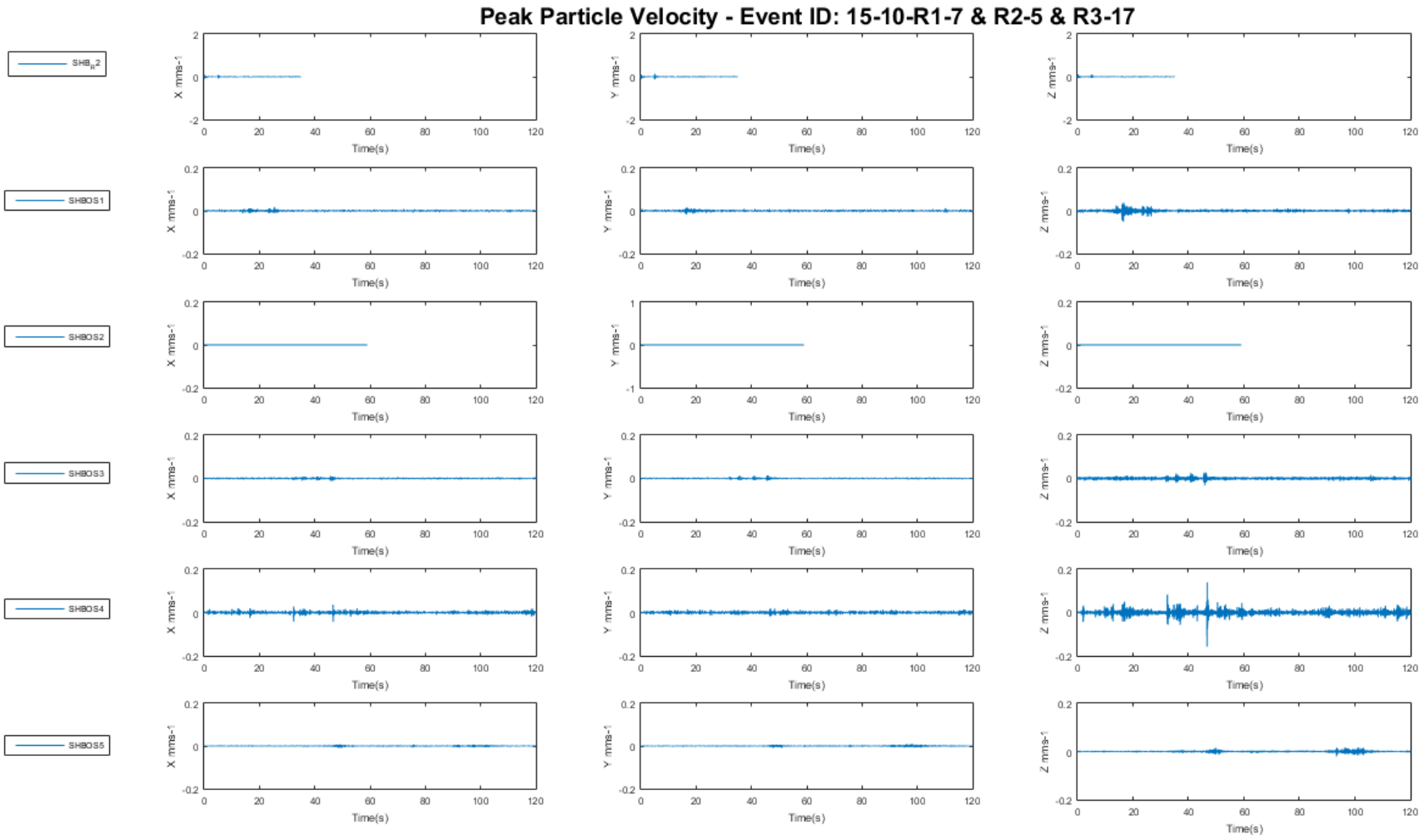


FIGURE 3.1360: SHB_OS 1 - 5 15-10-R1-7 & R2-5 & R3-17

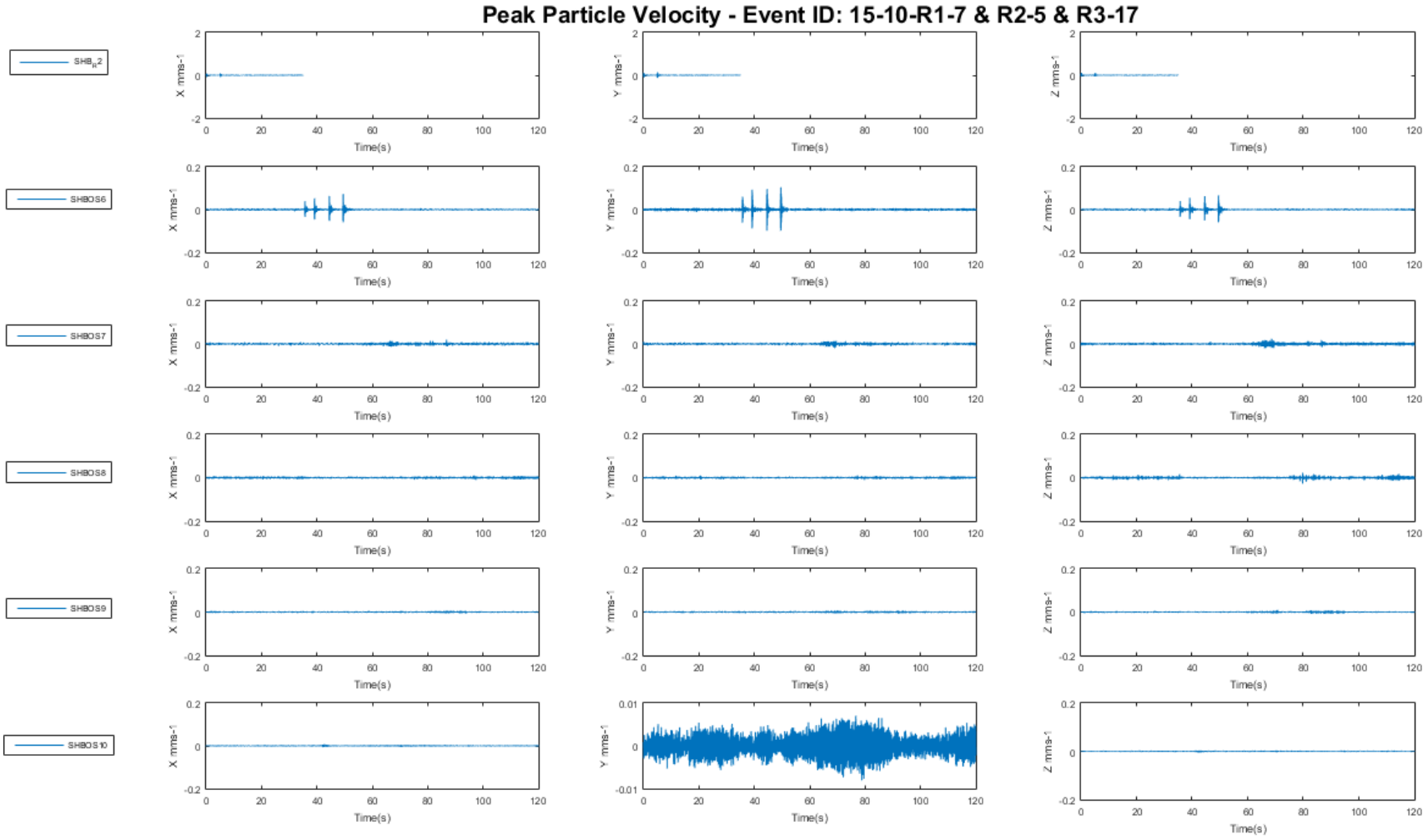


FIGURE 3.1361: SHB_OS 6 - 10 15-10-R1-7 & R2-5 & R3-17

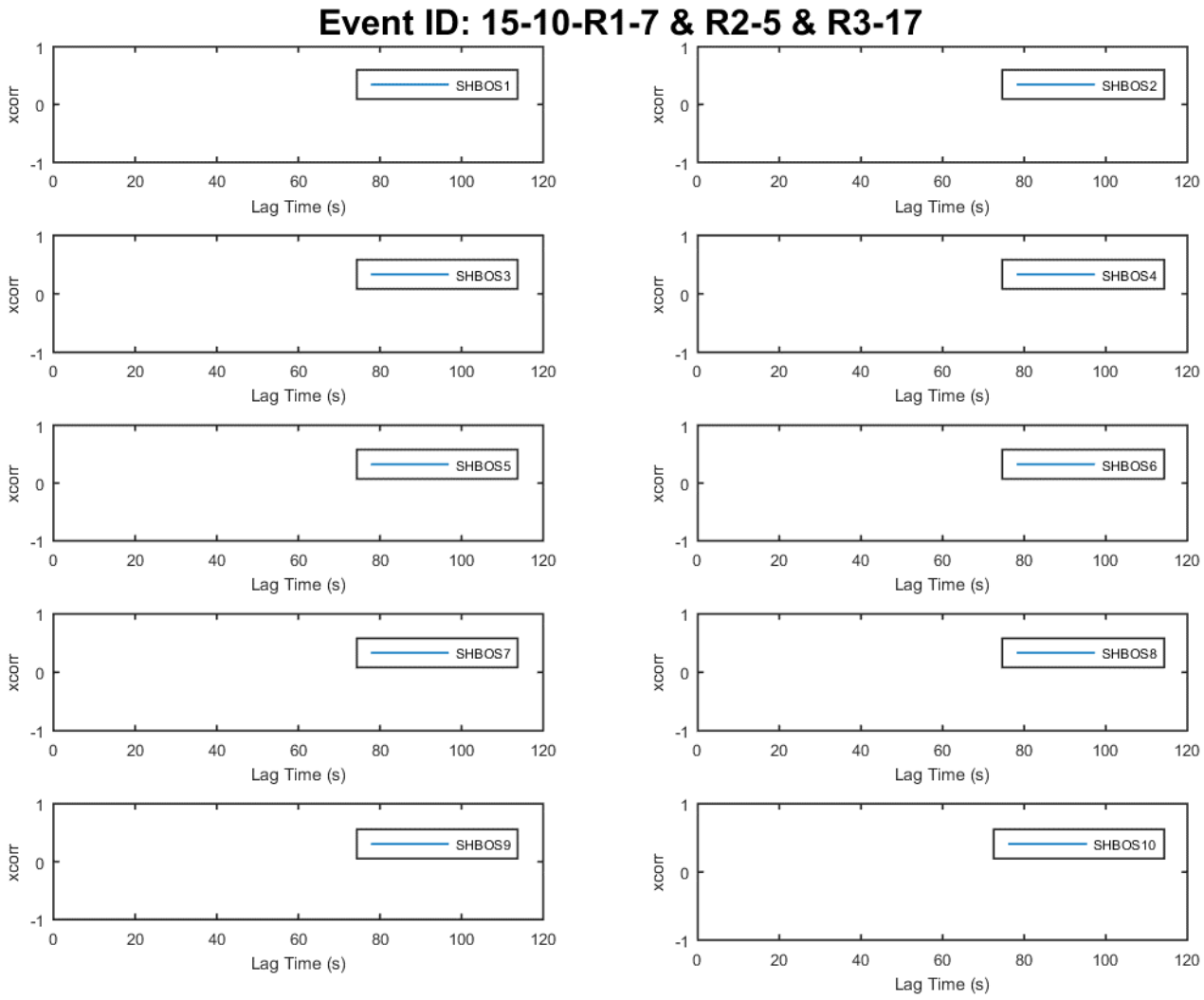


FIGURE 3.1362: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-7 & R2-5 & R3-17

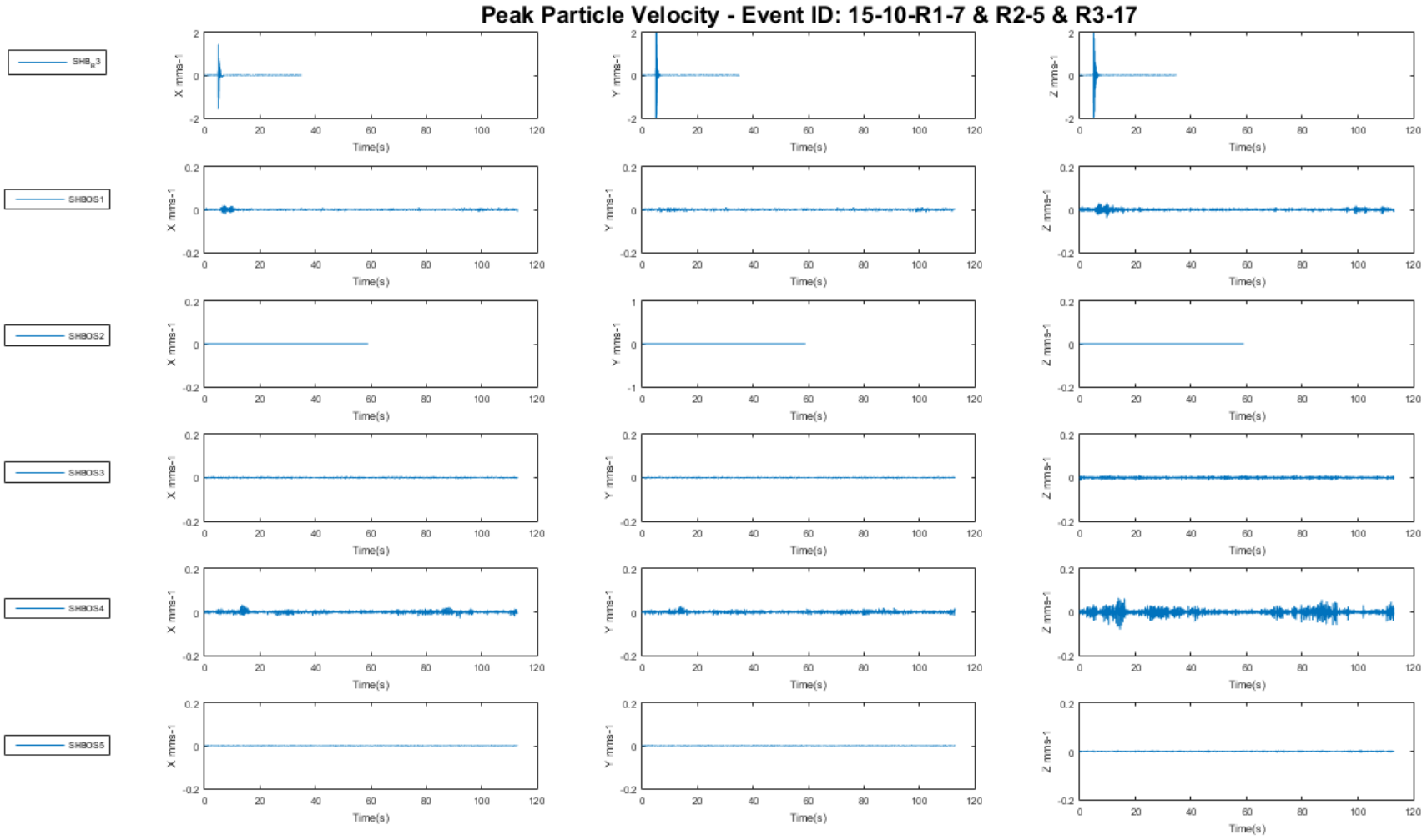


FIGURE 3.1363: SHB_OS 1 - 5 15-10-R1-7 & R2-5 & R3-17

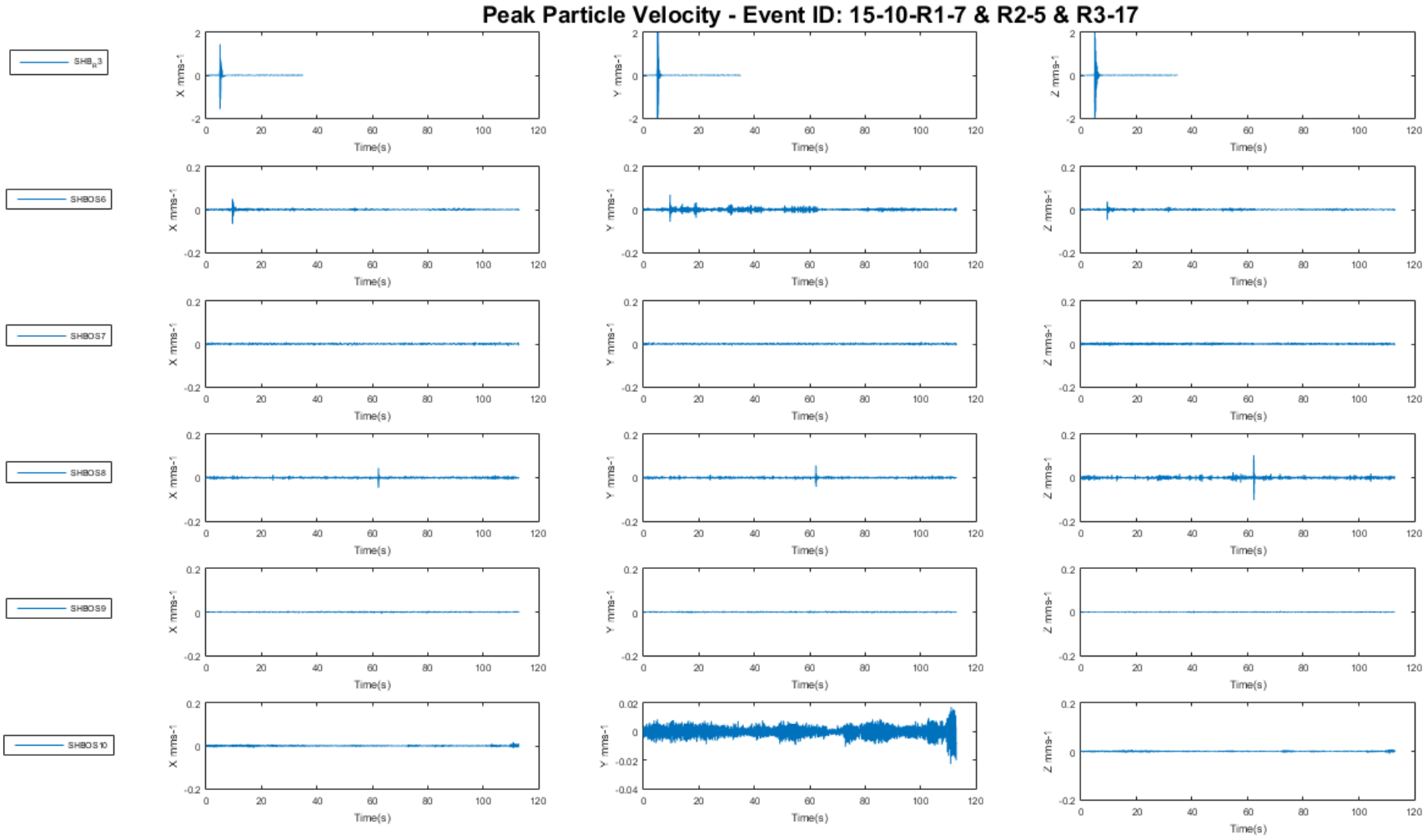


FIGURE 3.1364: SHB_OS 6 - 10 15-10-R1-7 & R2-5 & R3-17

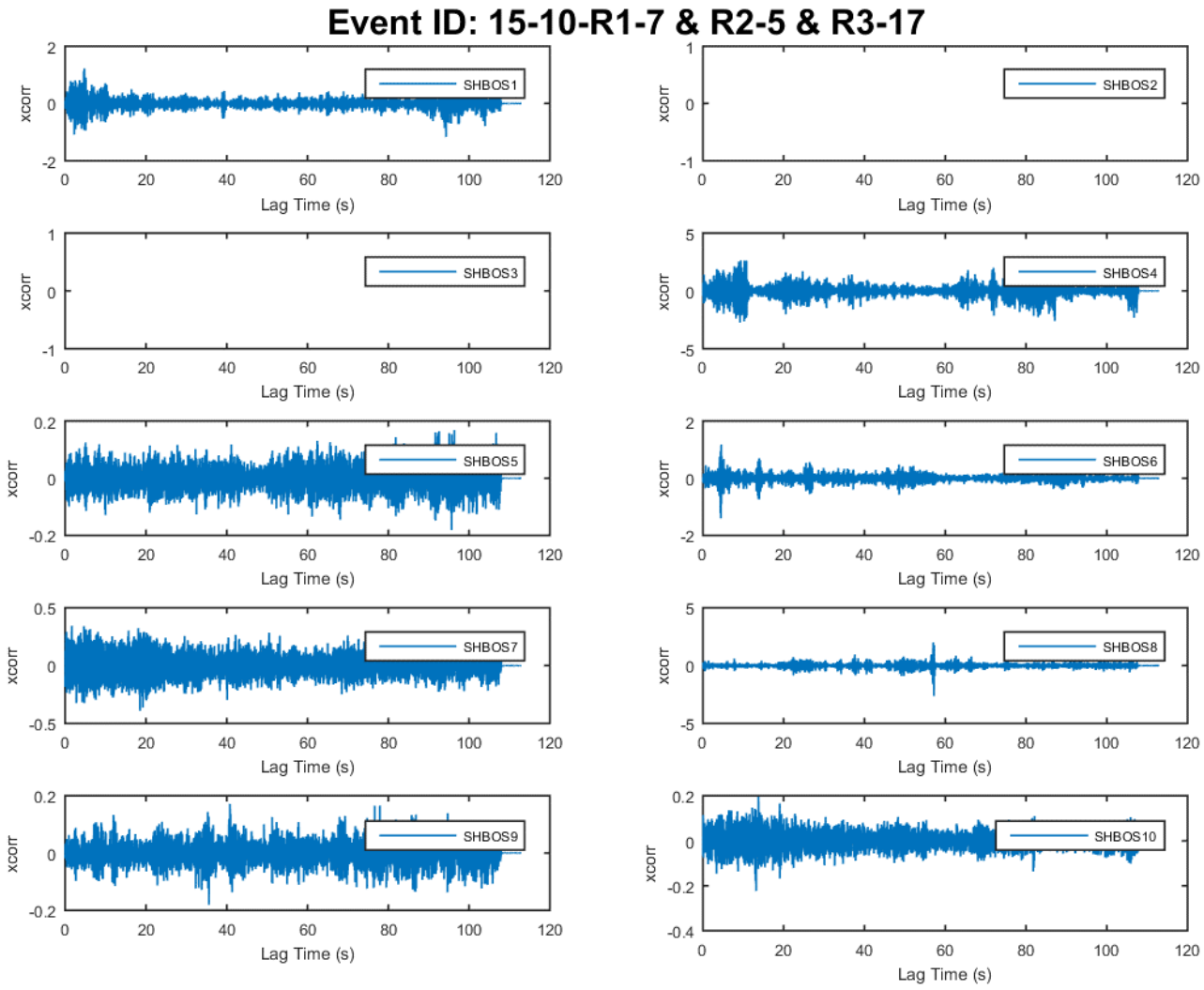


FIGURE 3.1365: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-7 & R2-5 & R3-17

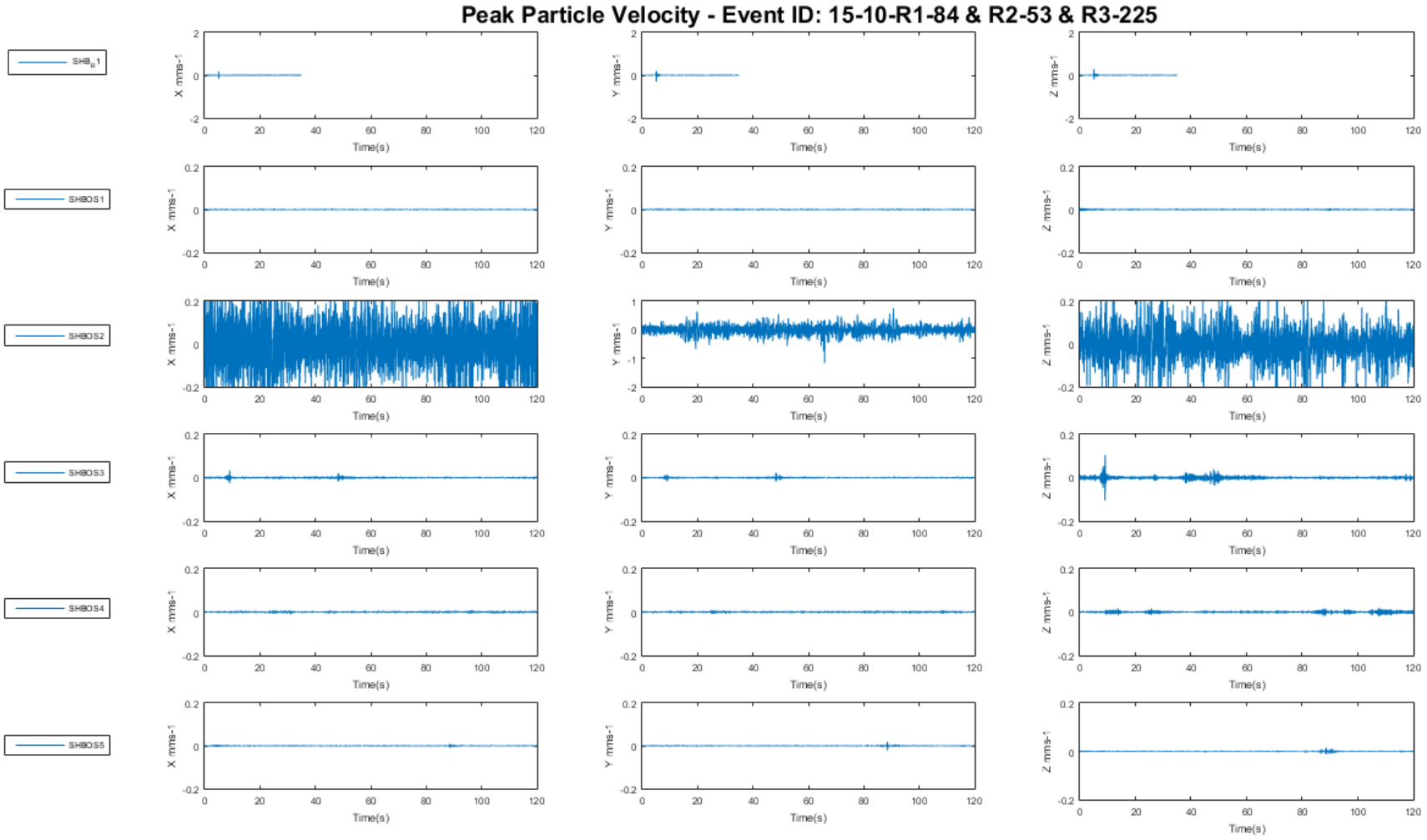


FIGURE 3.1366: SHB_OS 1 - 5 15-10-R1-84 & R2-53 & R3-225

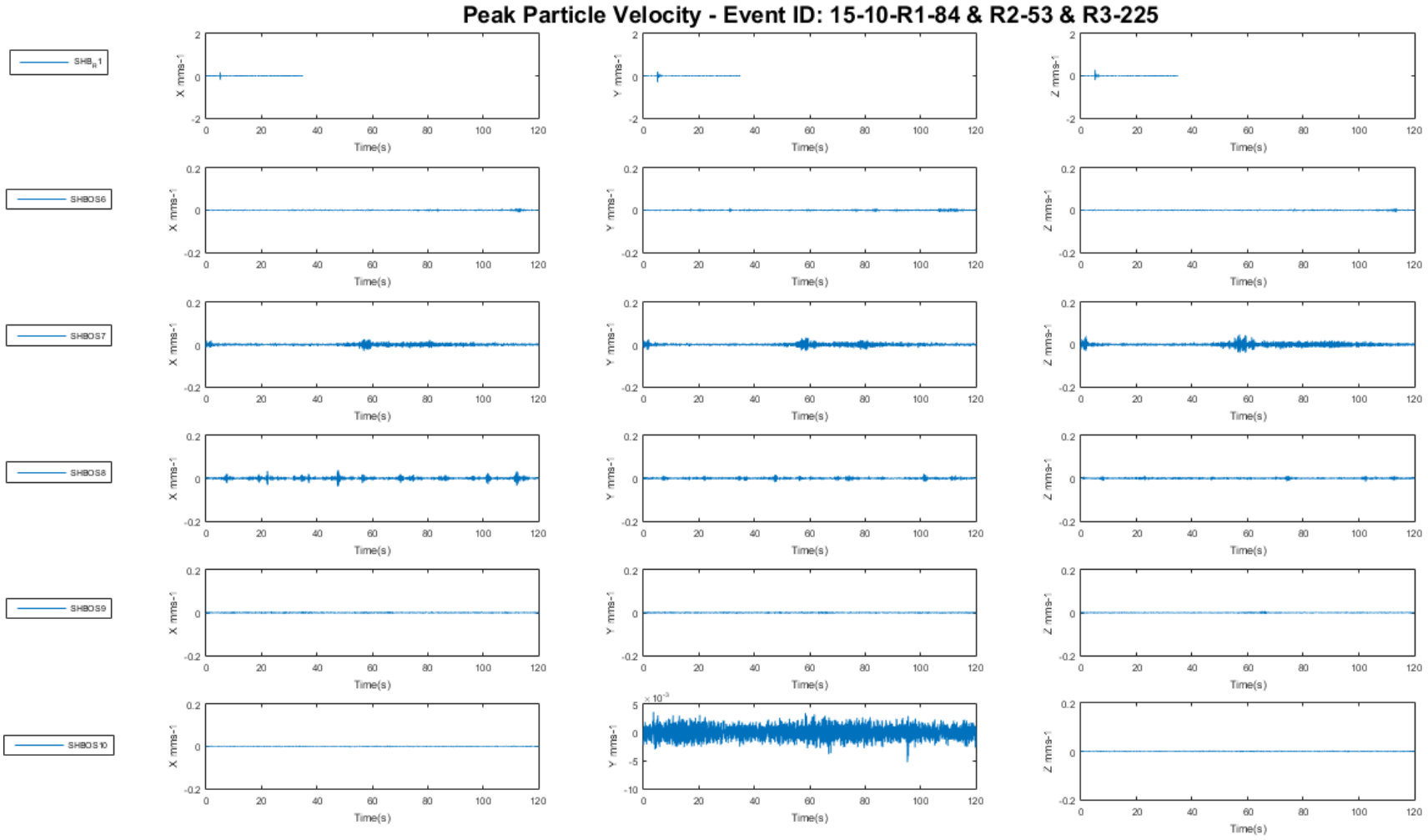


FIGURE 3.1367: SHB_OS 6 - 10 15-10-R1-84 & R2-53 & R3-225

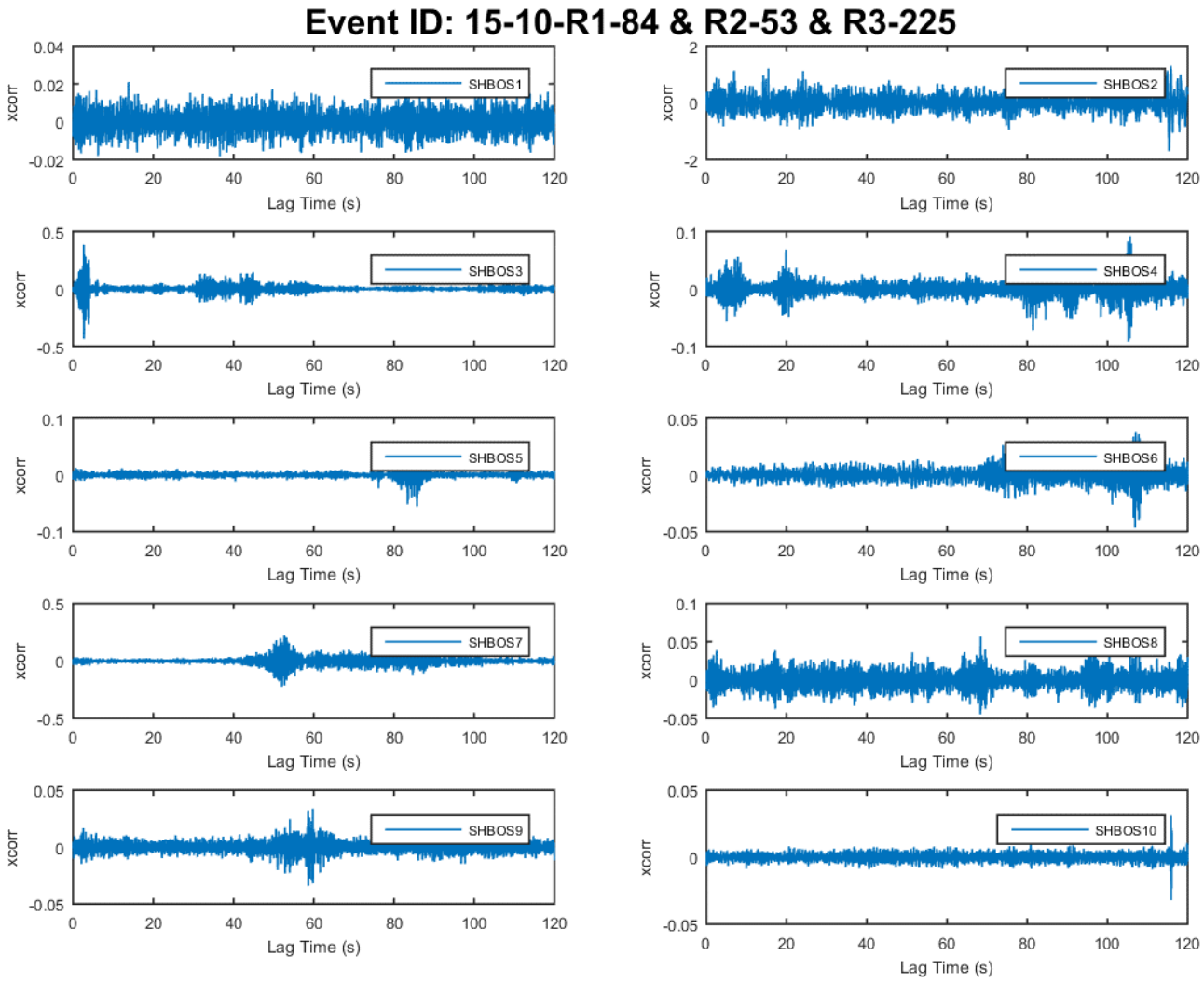


FIGURE 3.1368: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-84 & R2-53 & R3-225

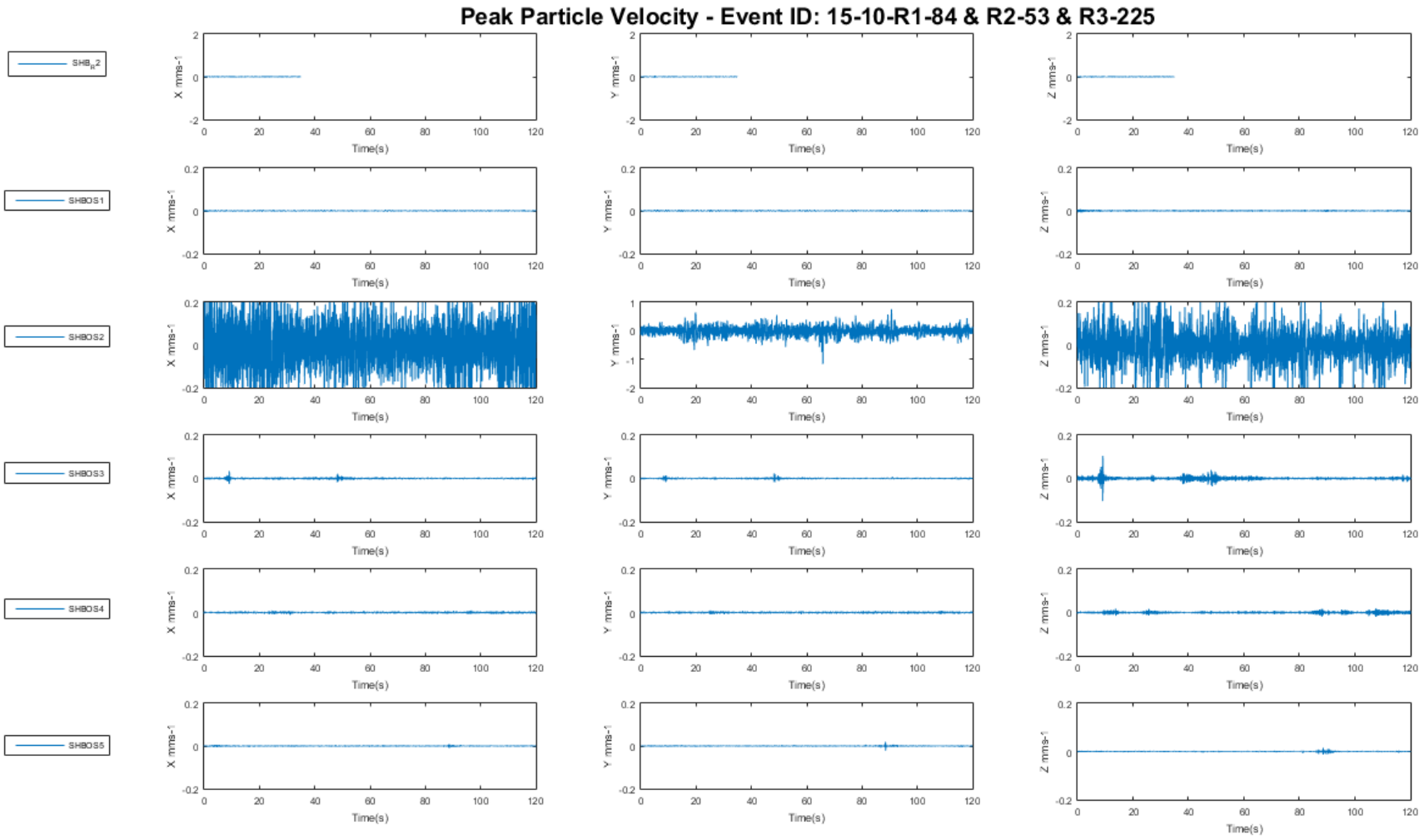


FIGURE 3.1369: SHB_OS 1 - 5 15-10-R1-84 & R2-53 & R3-225

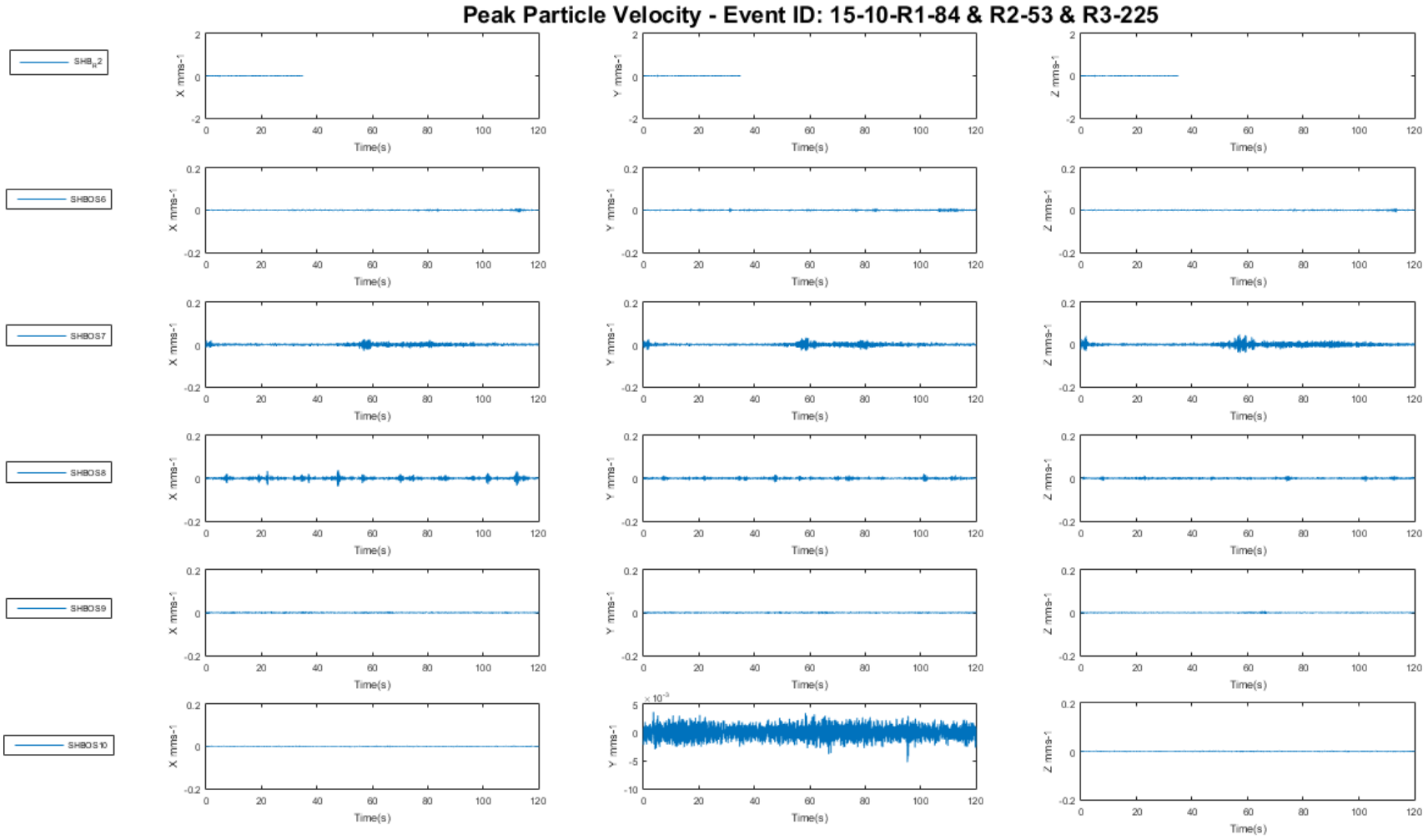


FIGURE 3.1370: SHB_OS 6 - 10 15-10-R1-84 & R2-53 & R3-225

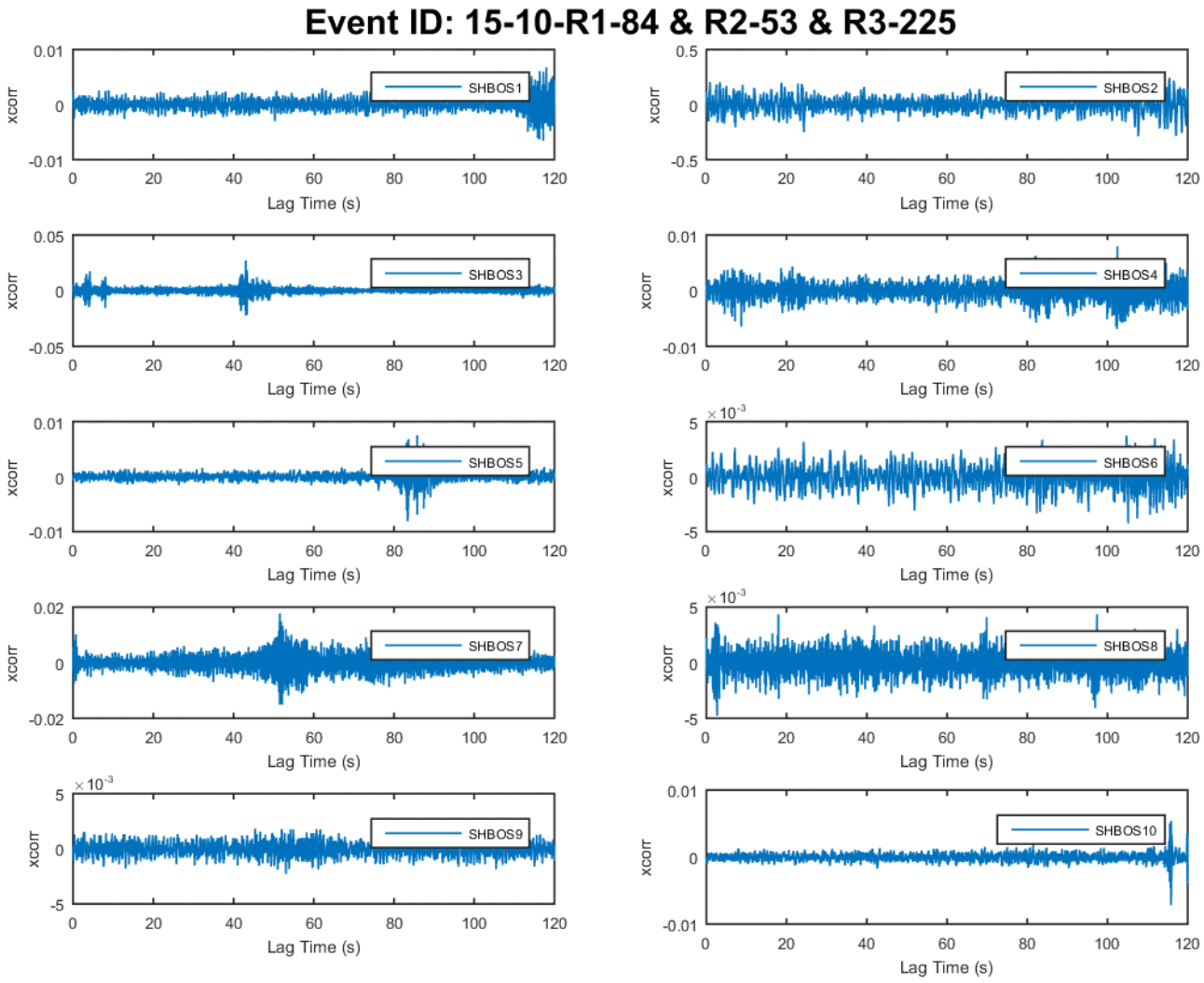


FIGURE 3.1371: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-84 & R2-53 & R3-225

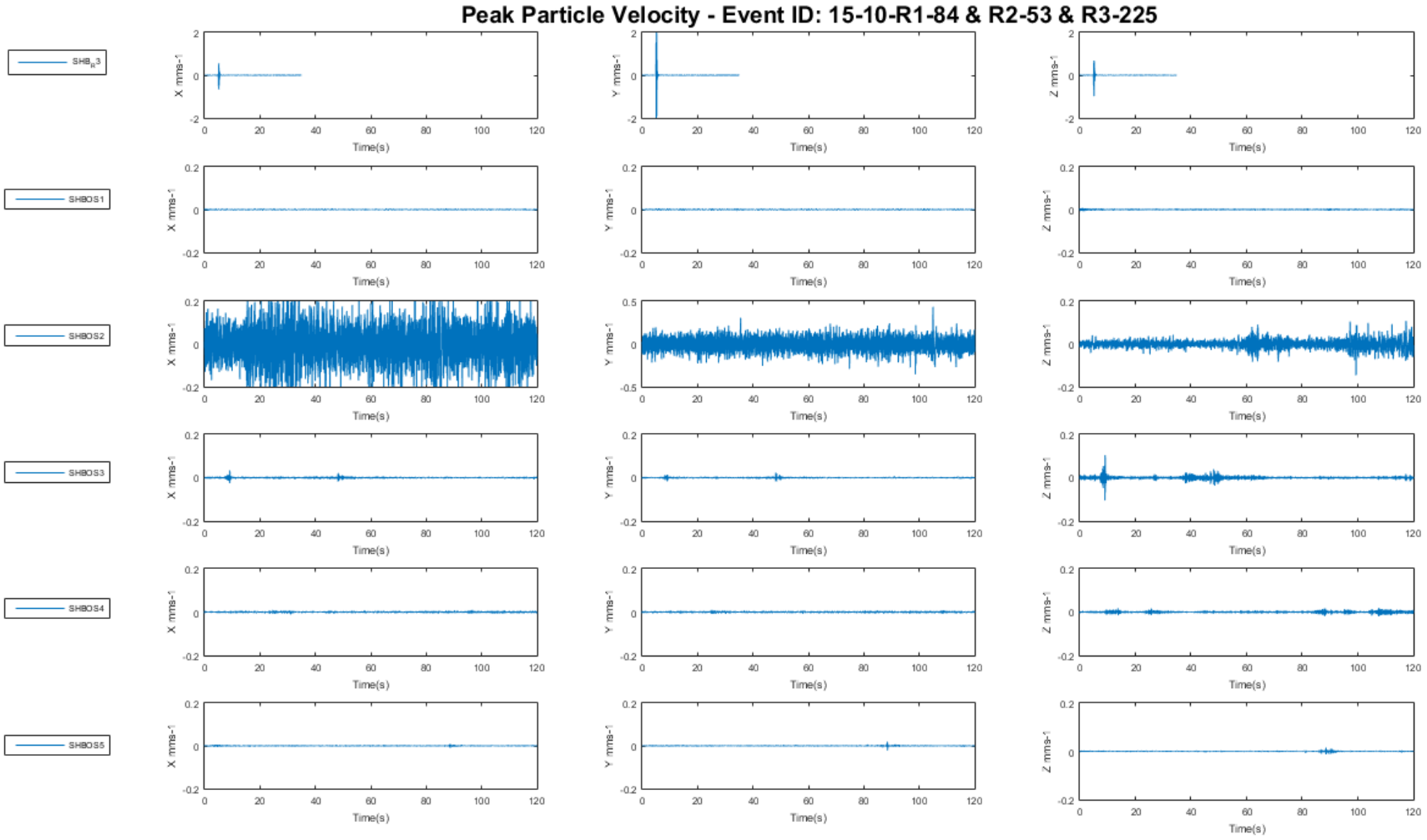


FIGURE 3.1372: SHB_OS 1 - 5 15-10-R1-84 & R2-53 & R3-225

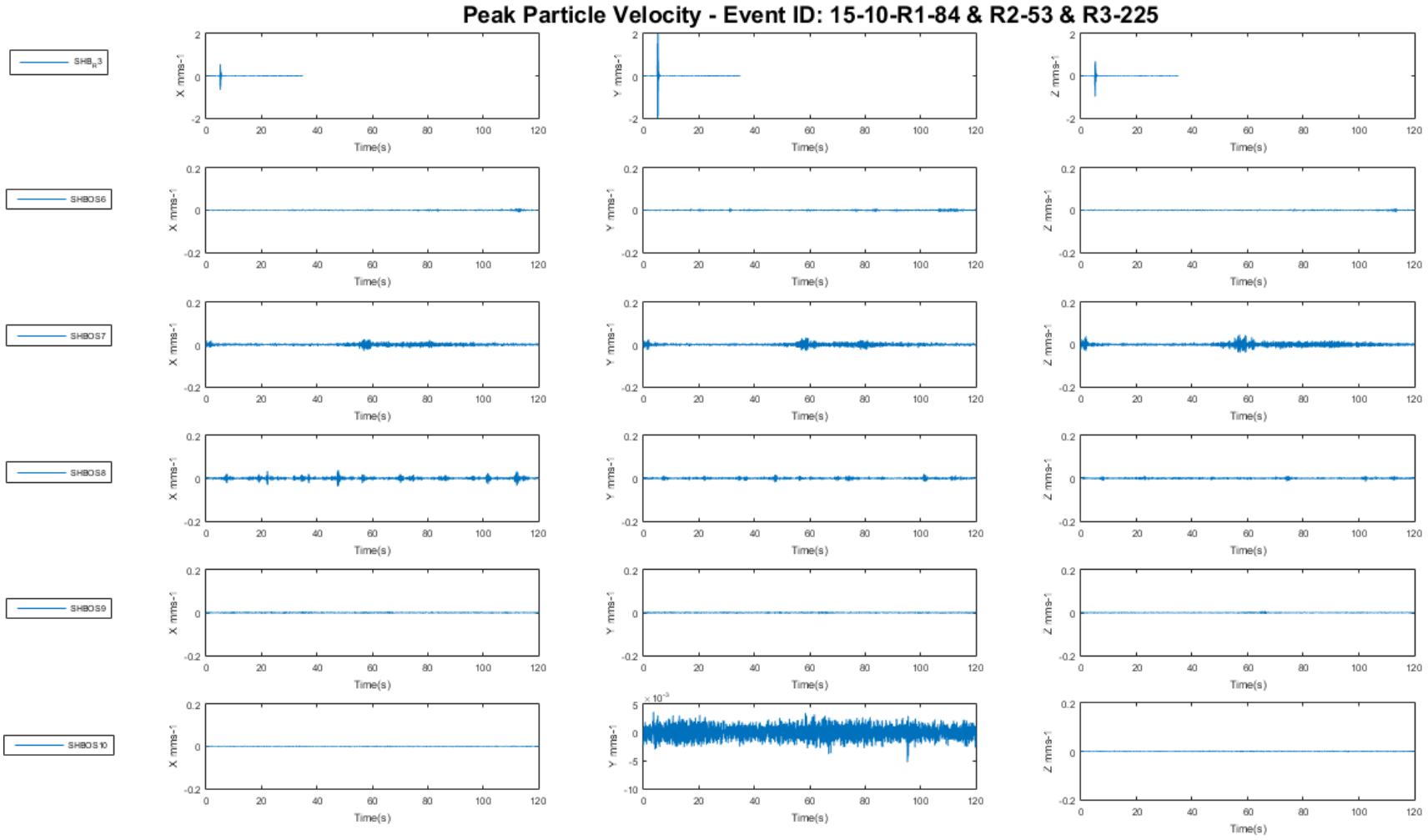


FIGURE 3.1373: SHB_OS 6 - 10 15-10-R1-84 & R2-53 & R3-225

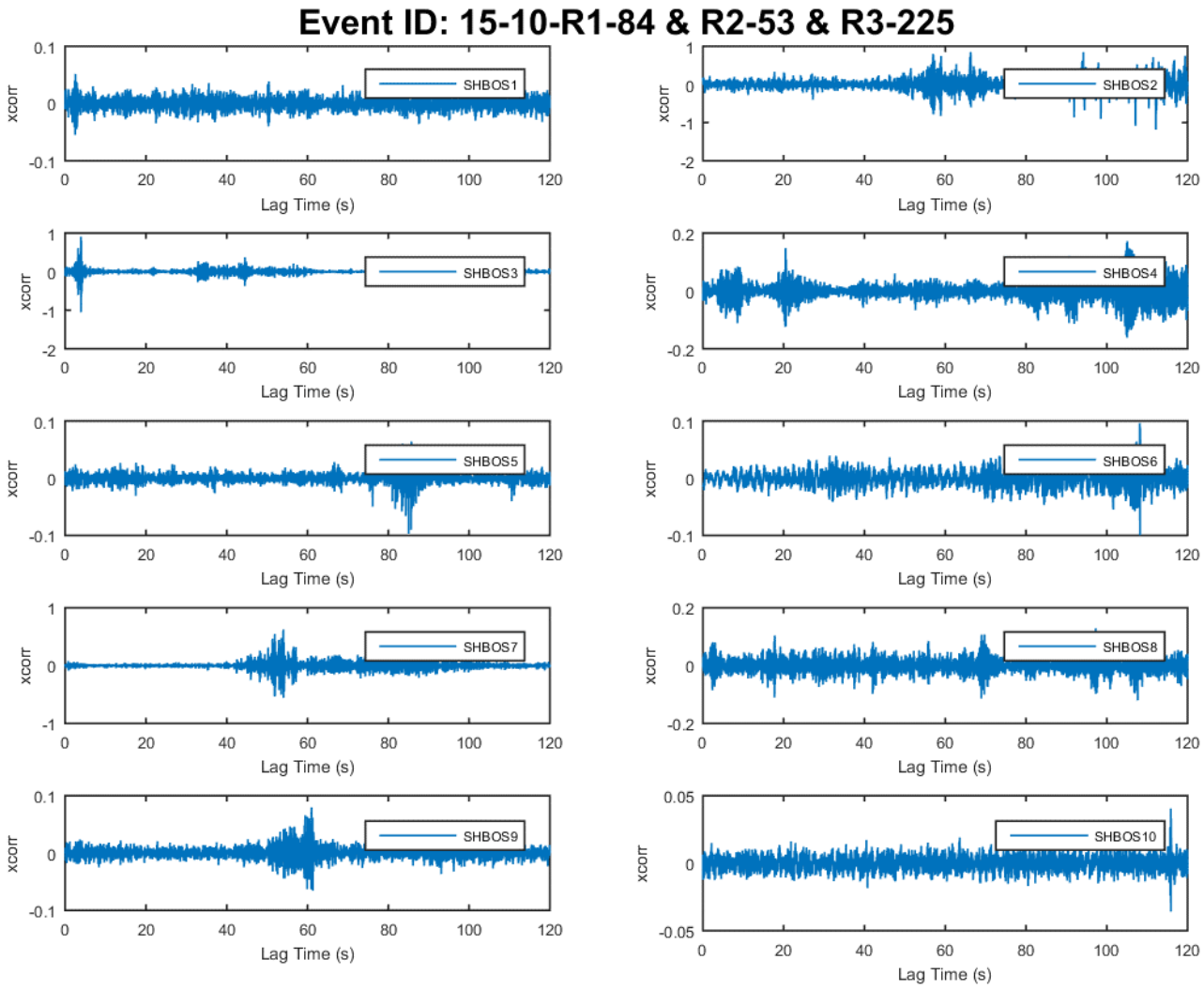


FIGURE 3.1374: CROSS CORRELATION SHB_OS 1 - 10 15-10-R1-84 & R2-53 & R3-225

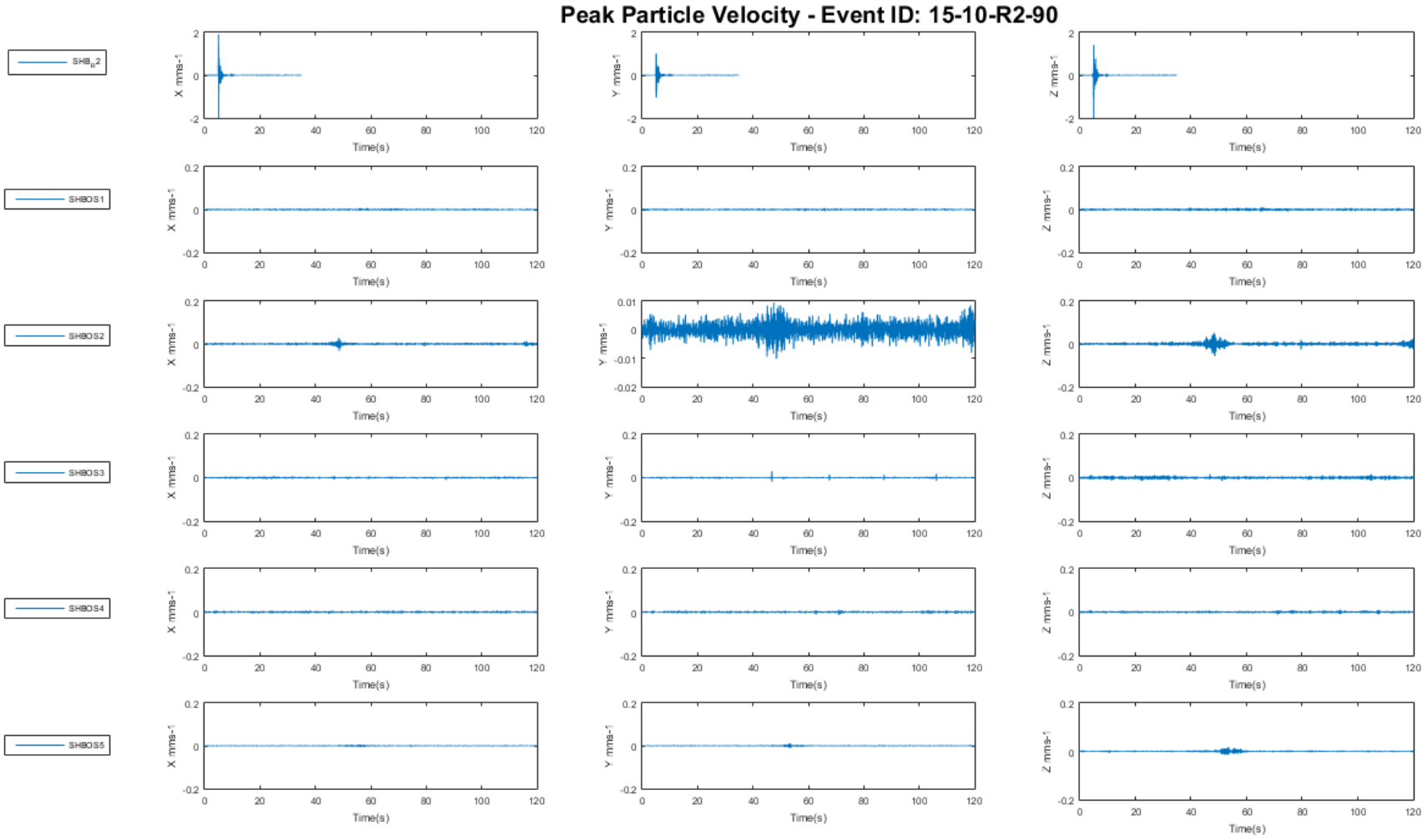


FIGURE 3.1375: SHB_OS 1 - 5 15-10-R2-90

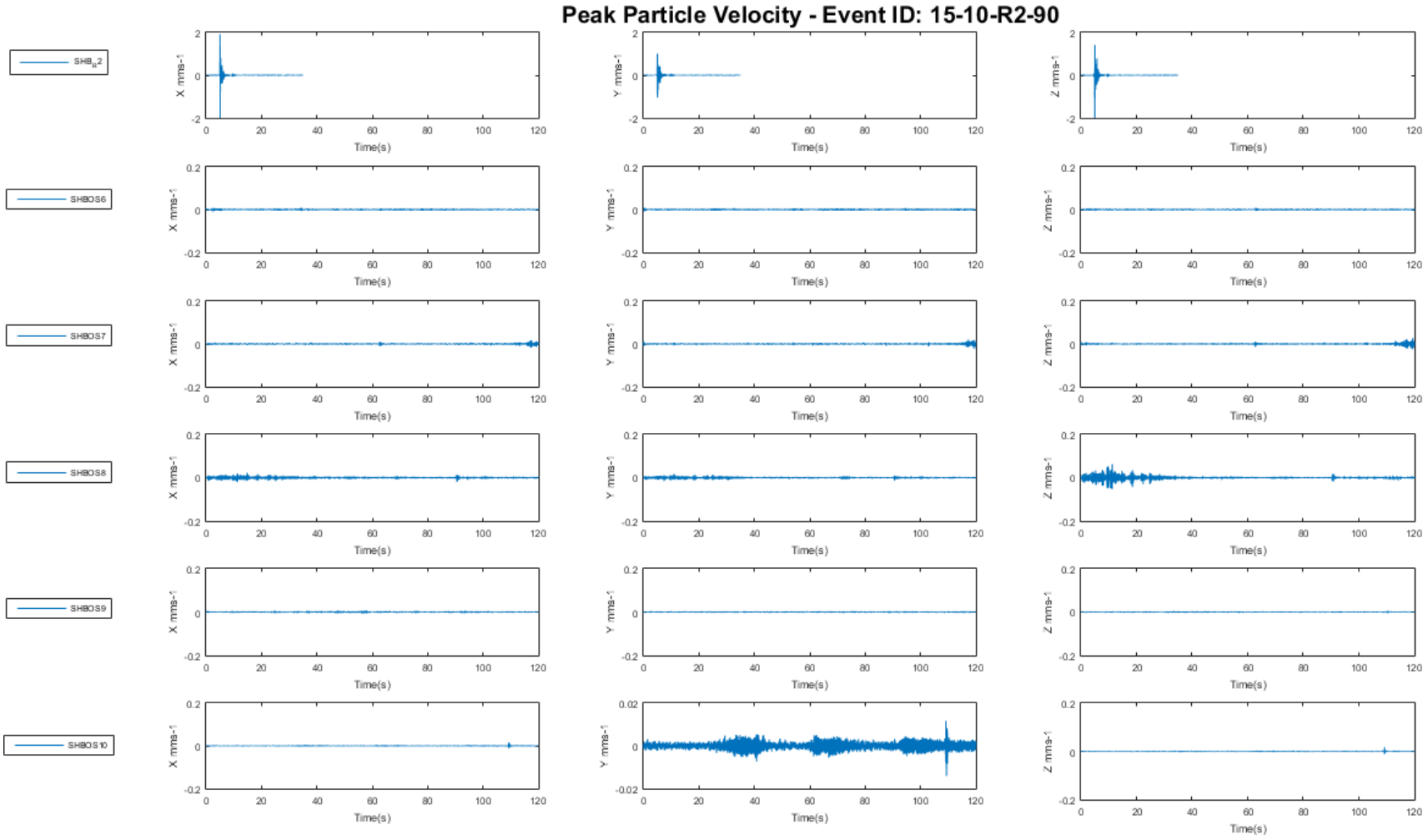


FIGURE 3.1376: SHB_OS 6 - 10 15-10-R2-90

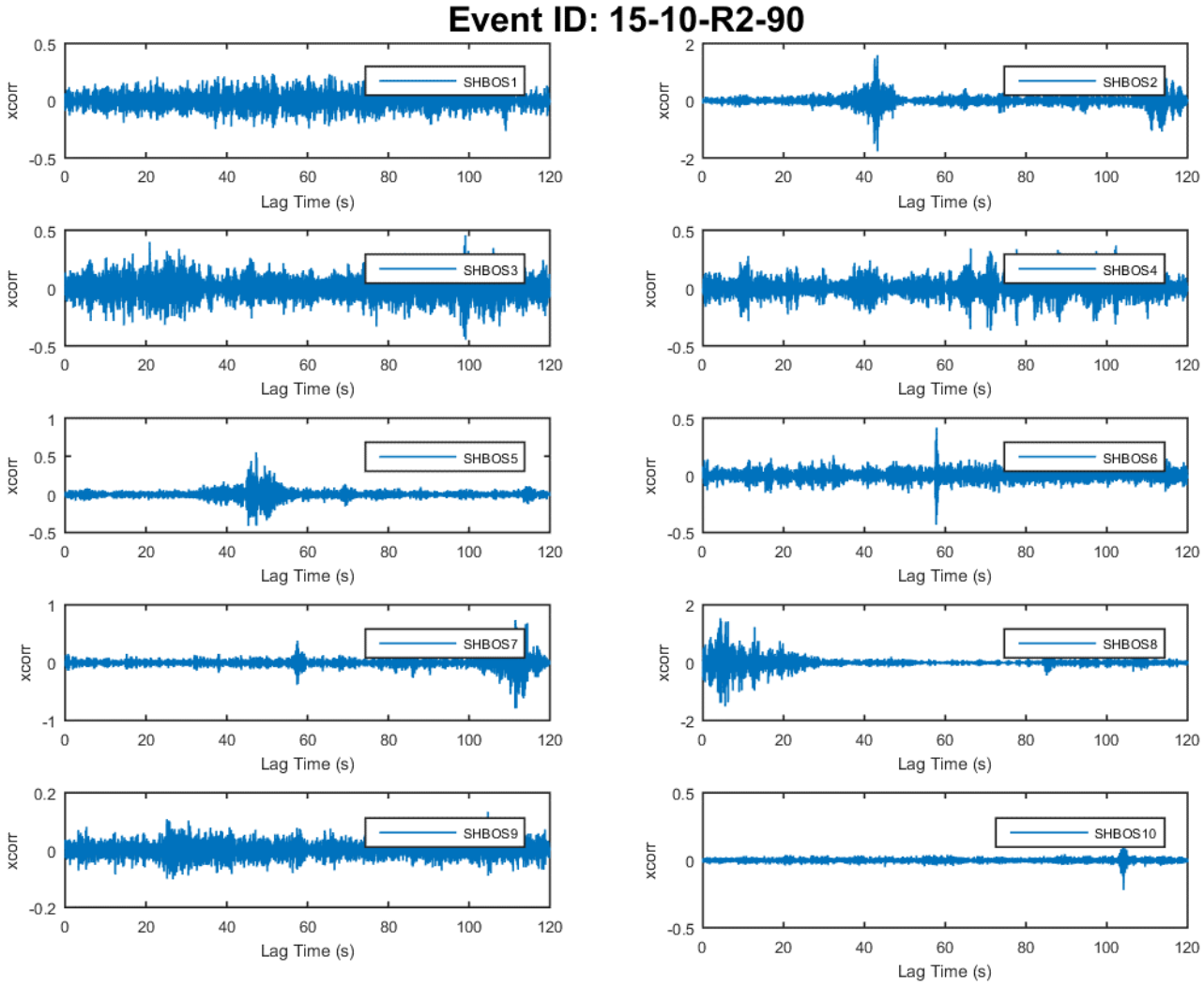


FIGURE 3.1377: CROSS CORRELATION SHB_OS 1 - 10 15-10-R2-90

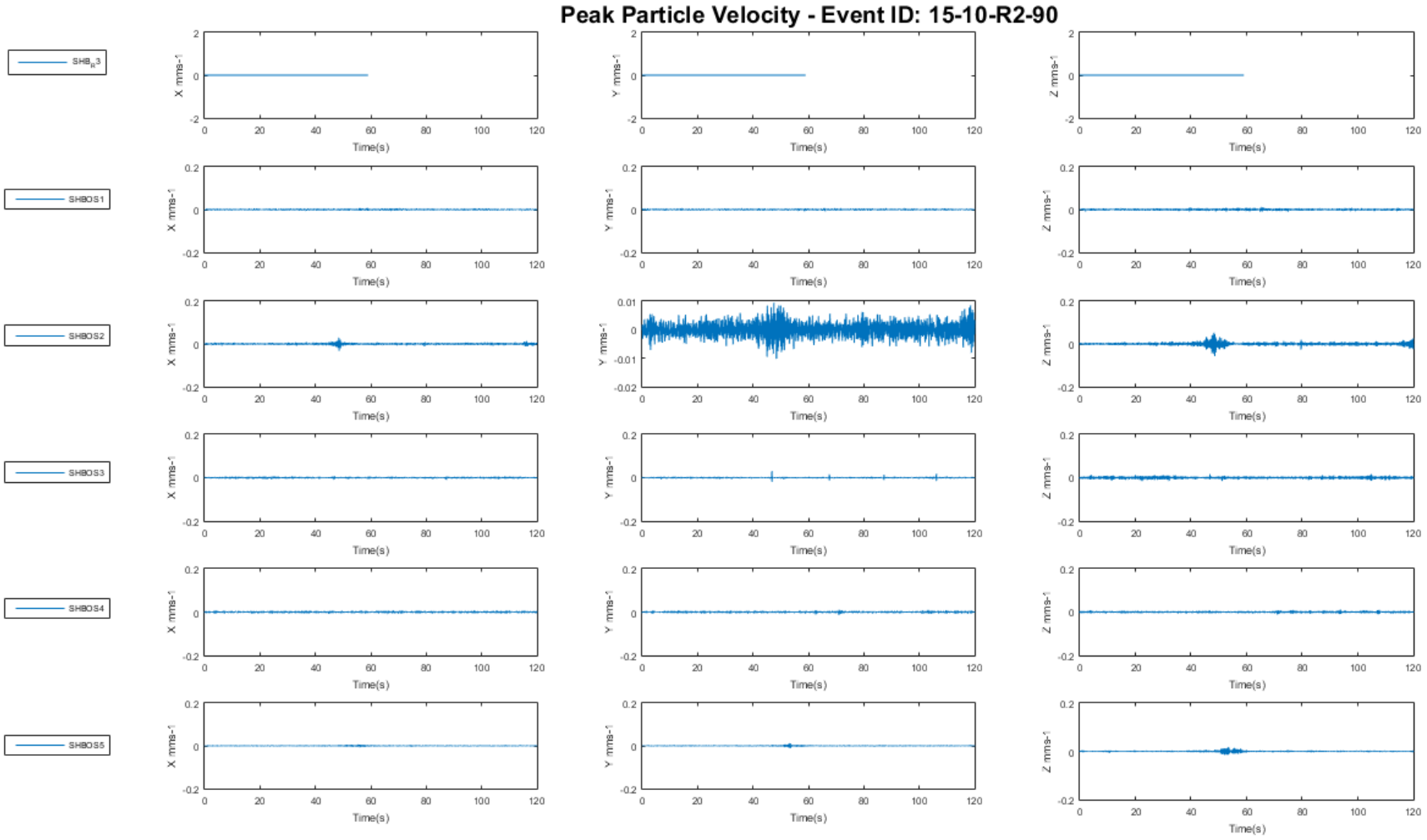


FIGURE 3.1378: SHB_OS 1 - 5 15-10-R2-90

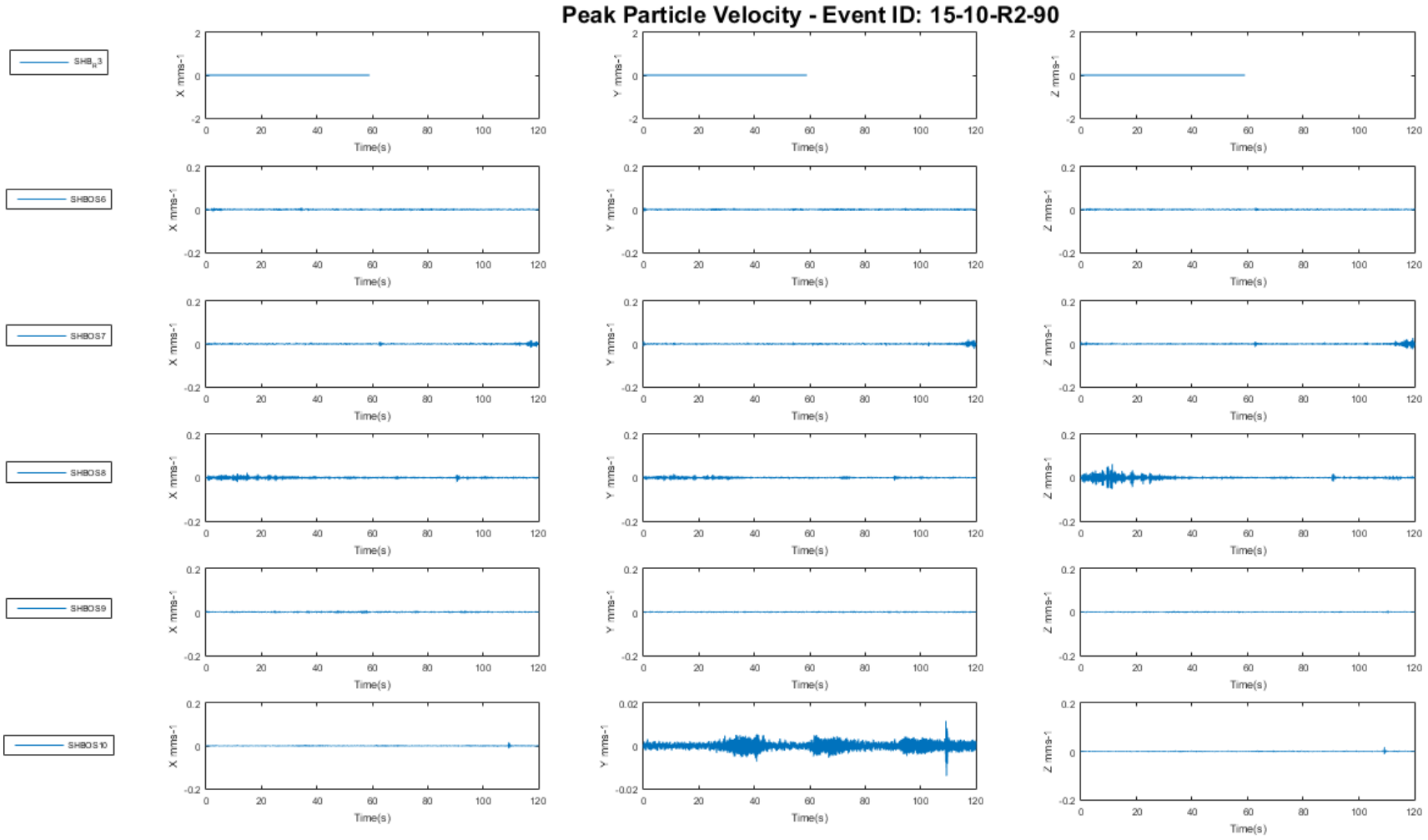


FIGURE 3.1379: SHB_OS 6 - 10 15-10-R2-90

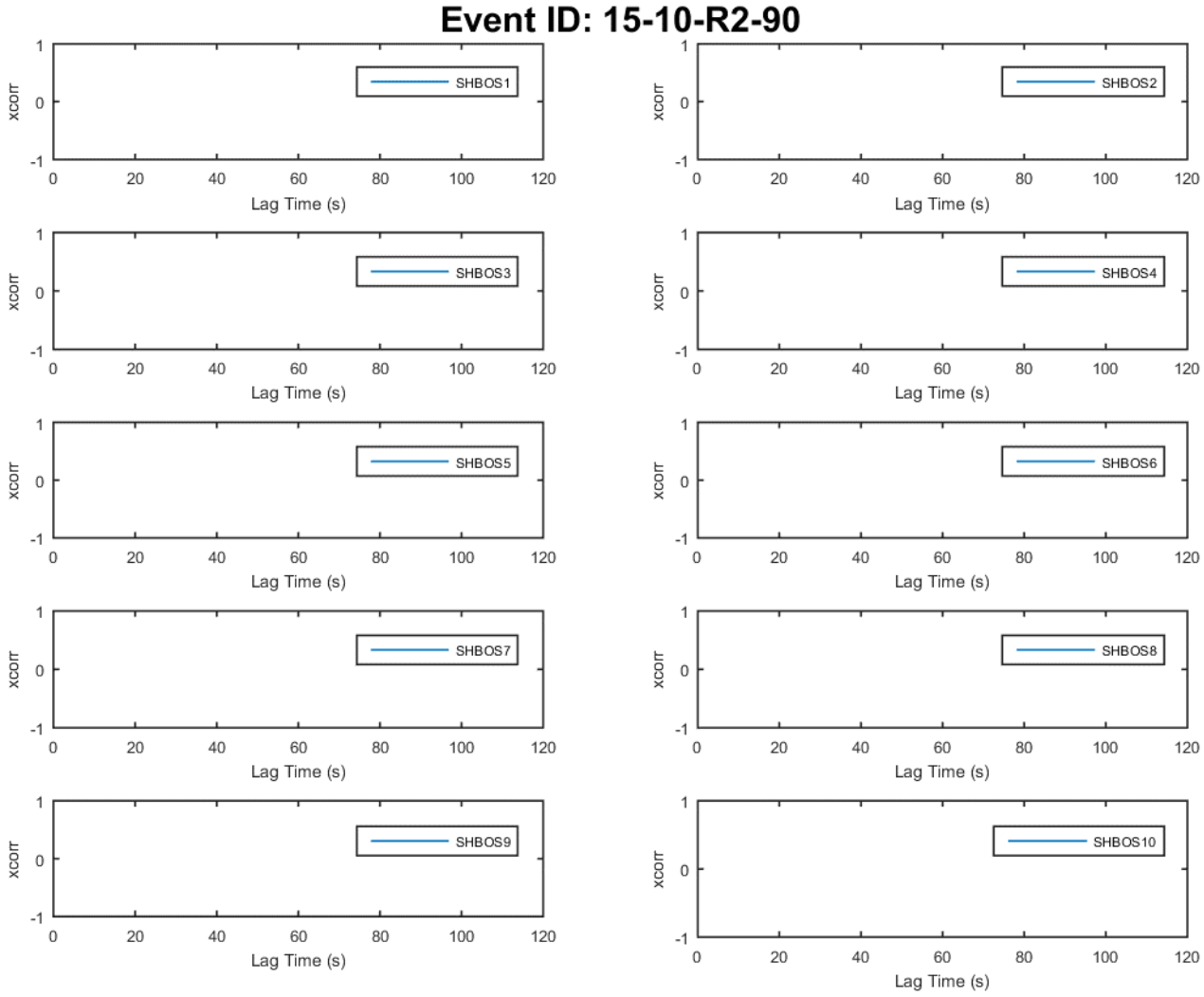


FIGURE 3.1380: CROSS CORRELATION SHB_OS 1 - 10 15-10-R2-90

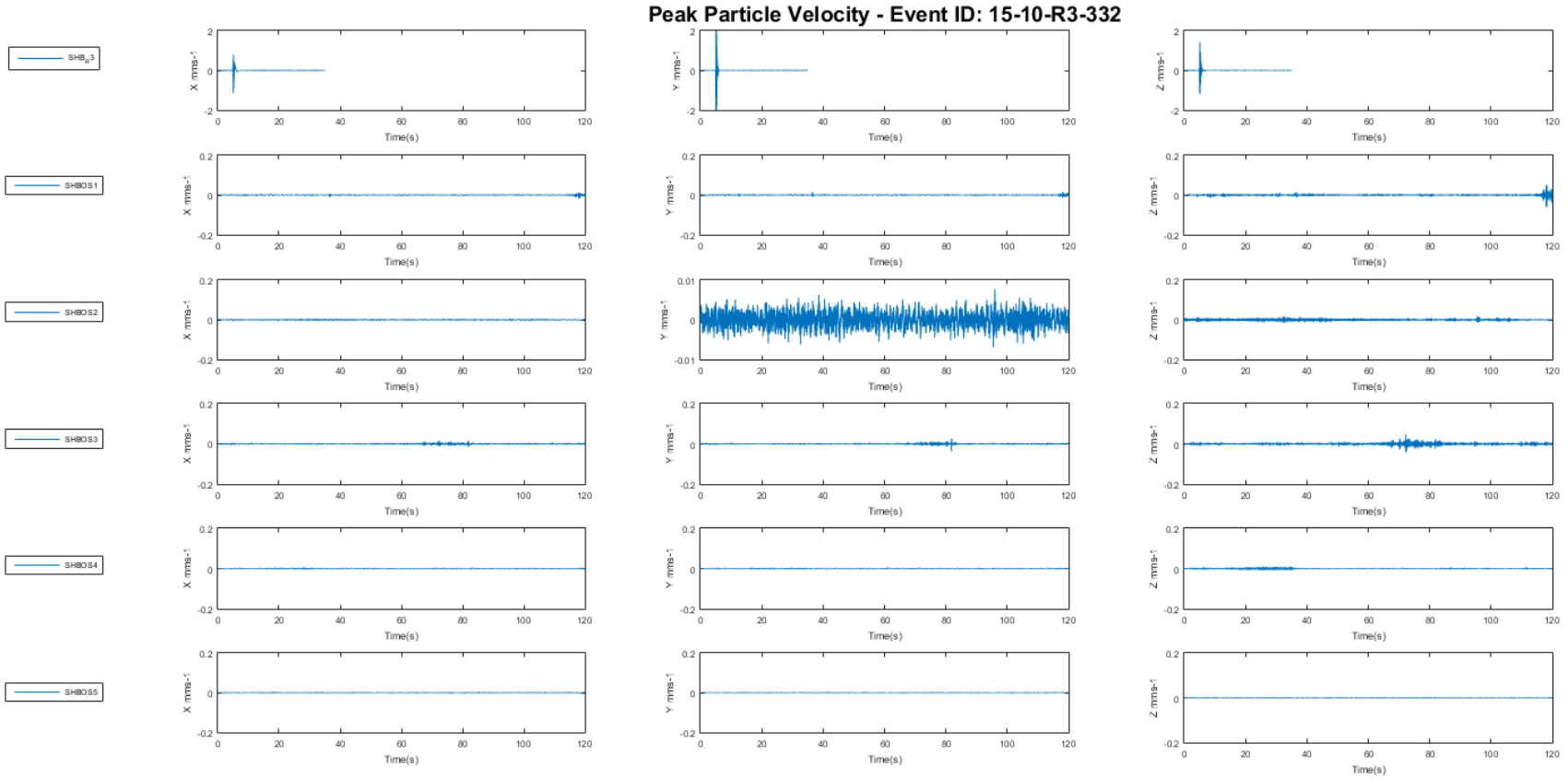


FIGURE 3.1381: SHB_OS 1 - 5 15-10-R3-332

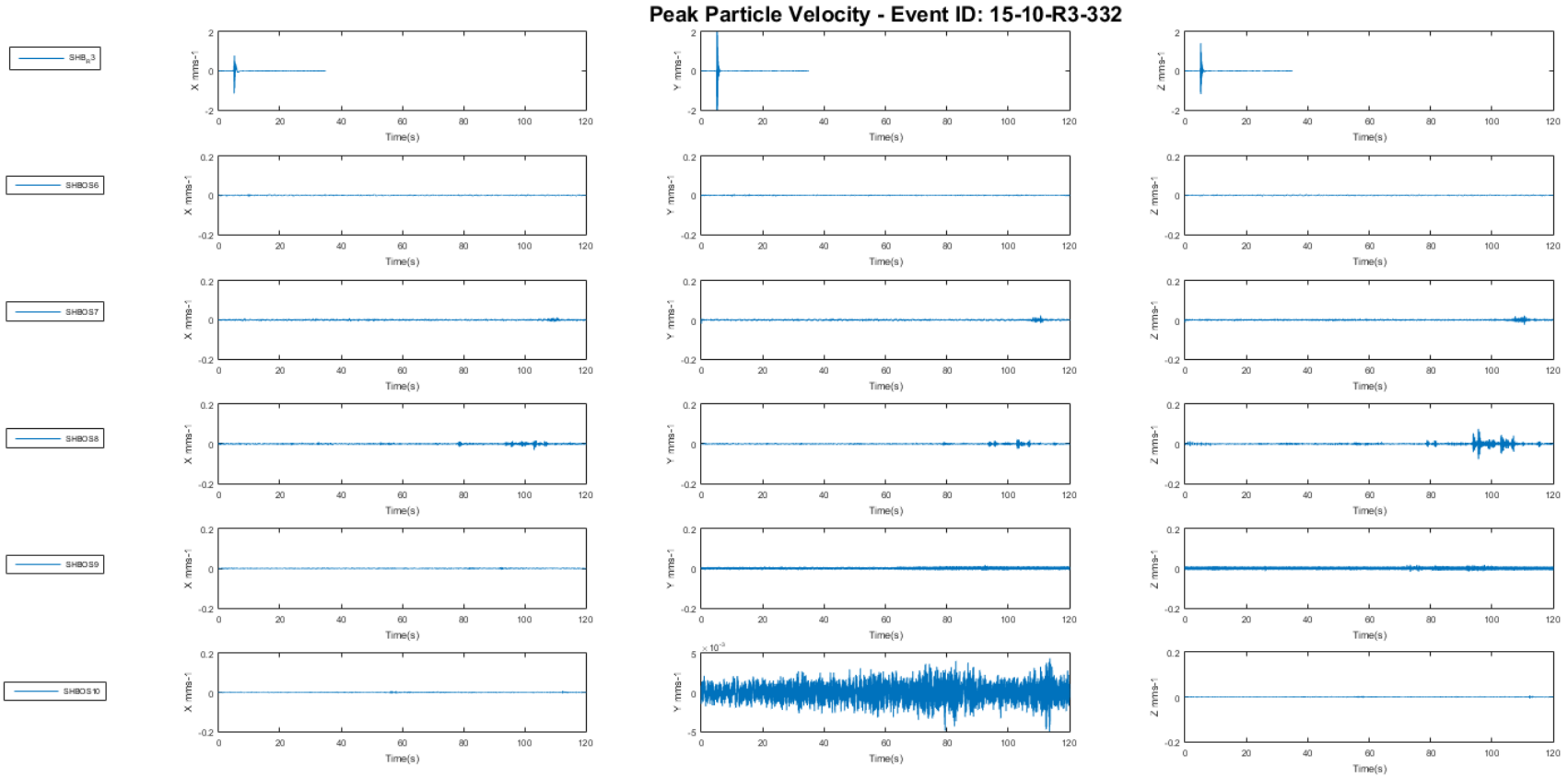


FIGURE 3.1382: SHB_OS 6 - 10 15-10-R3-332

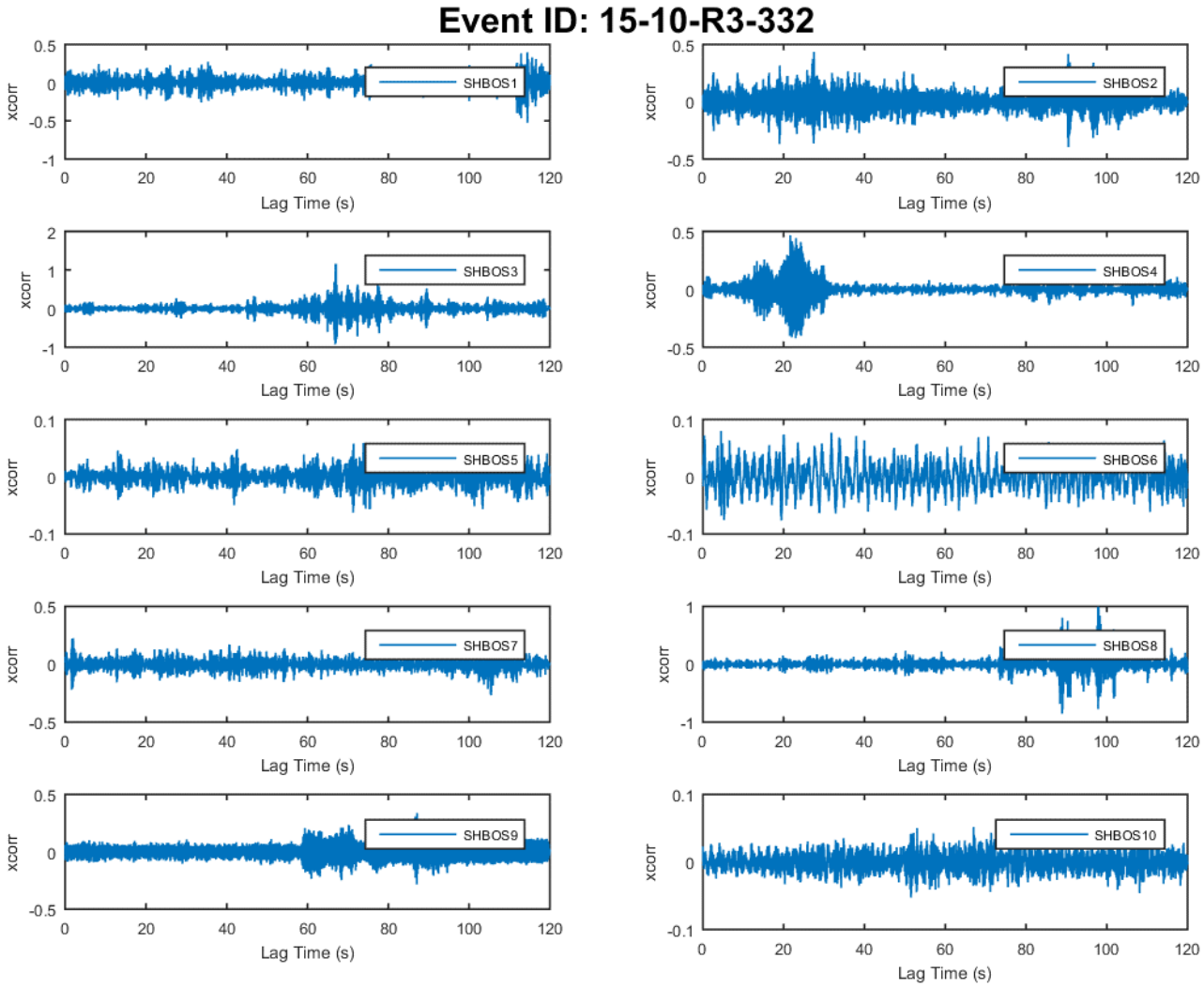


FIGURE 3.1383: CROSS CORRELATION SHB_OS 1 - 10 15-10-R3-332

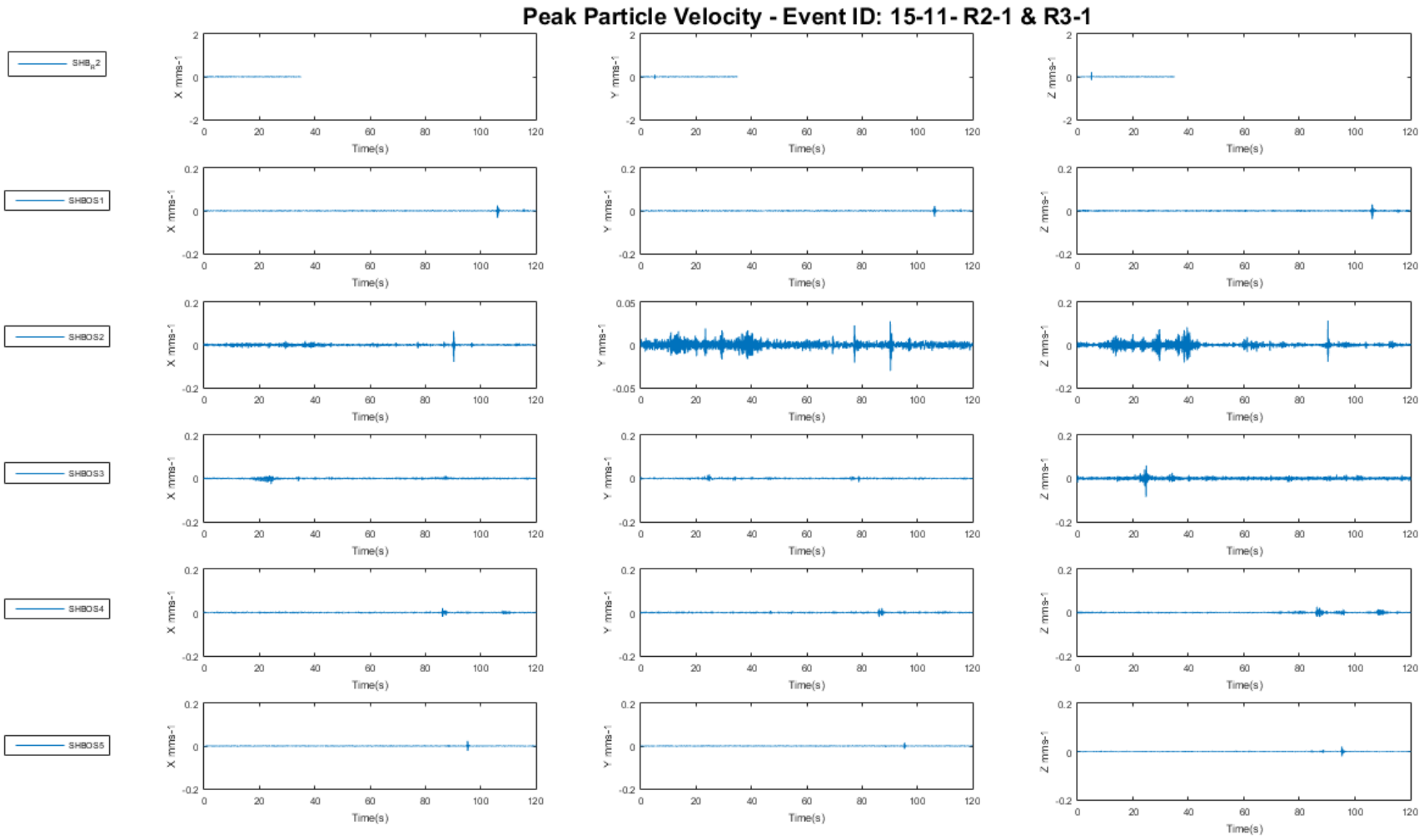


FIGURE 3.1384: SHB_OS 1 - 5 15-11- R2-1 & R3-1

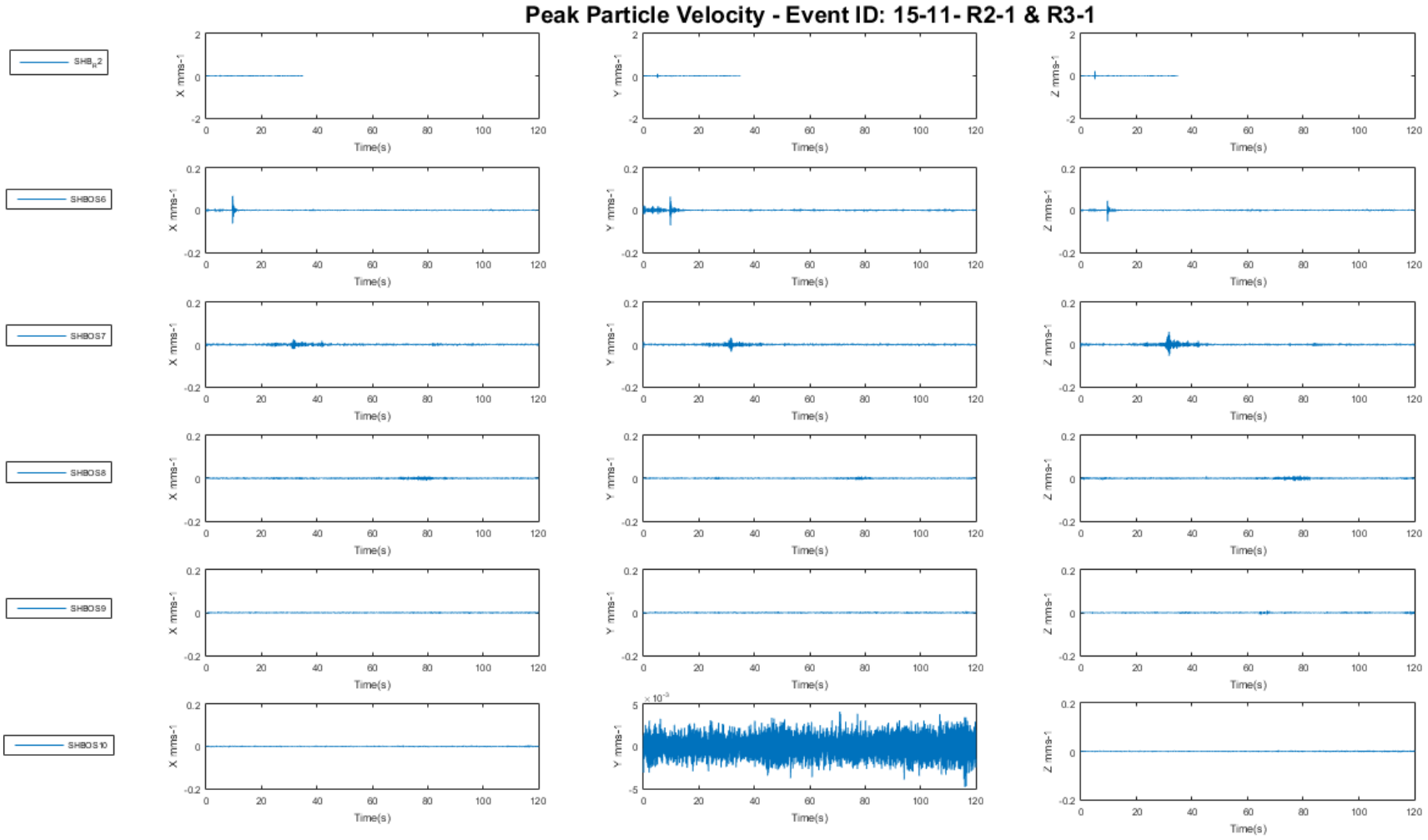


FIGURE 3.1385: SHB_OS 6 - 10 15-11- R2-1 & R3-1

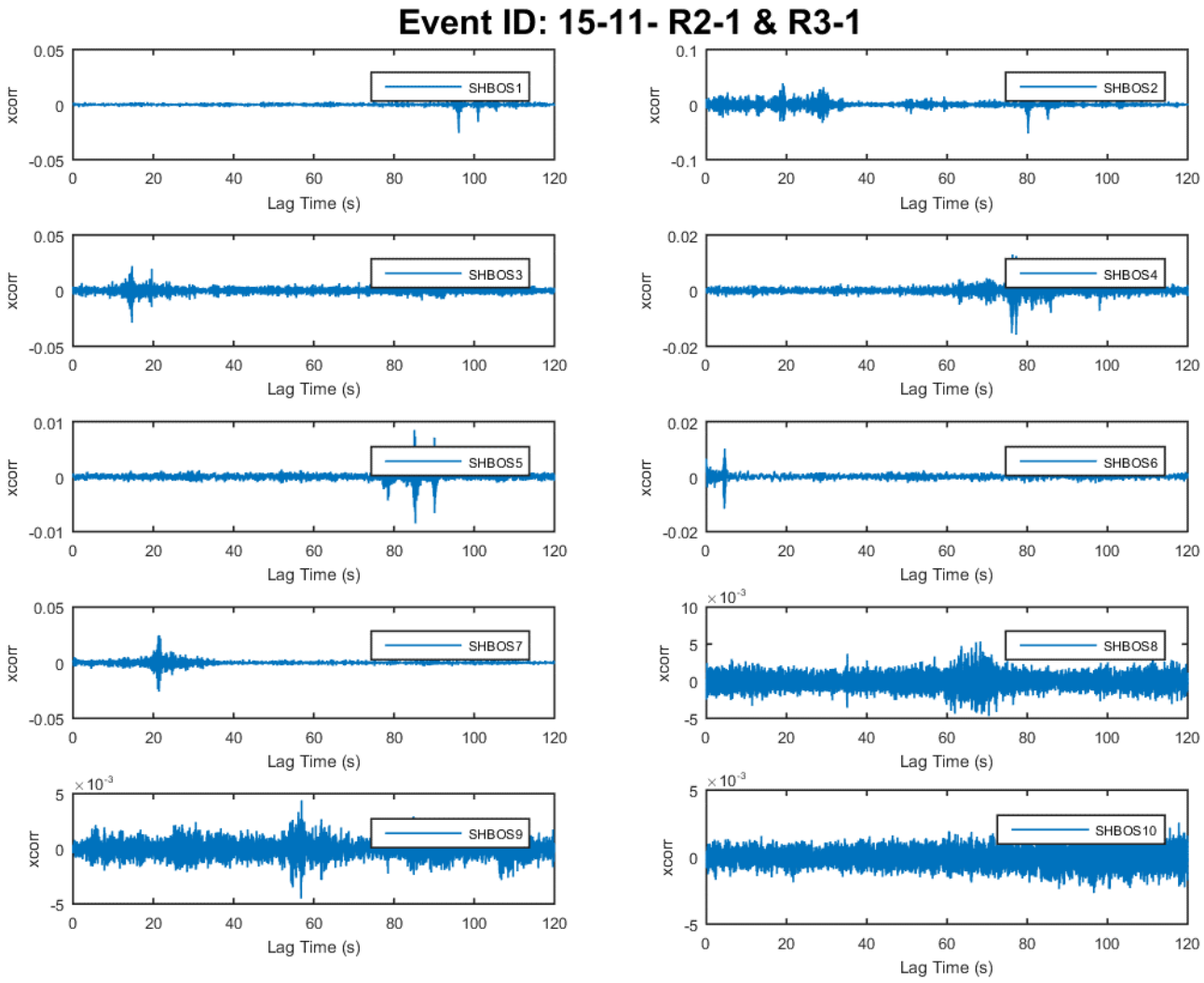


FIGURE 3.1386: CROSS CORRELATION SHB_OS 1 - 10 15-11- R2-1 & R3-1

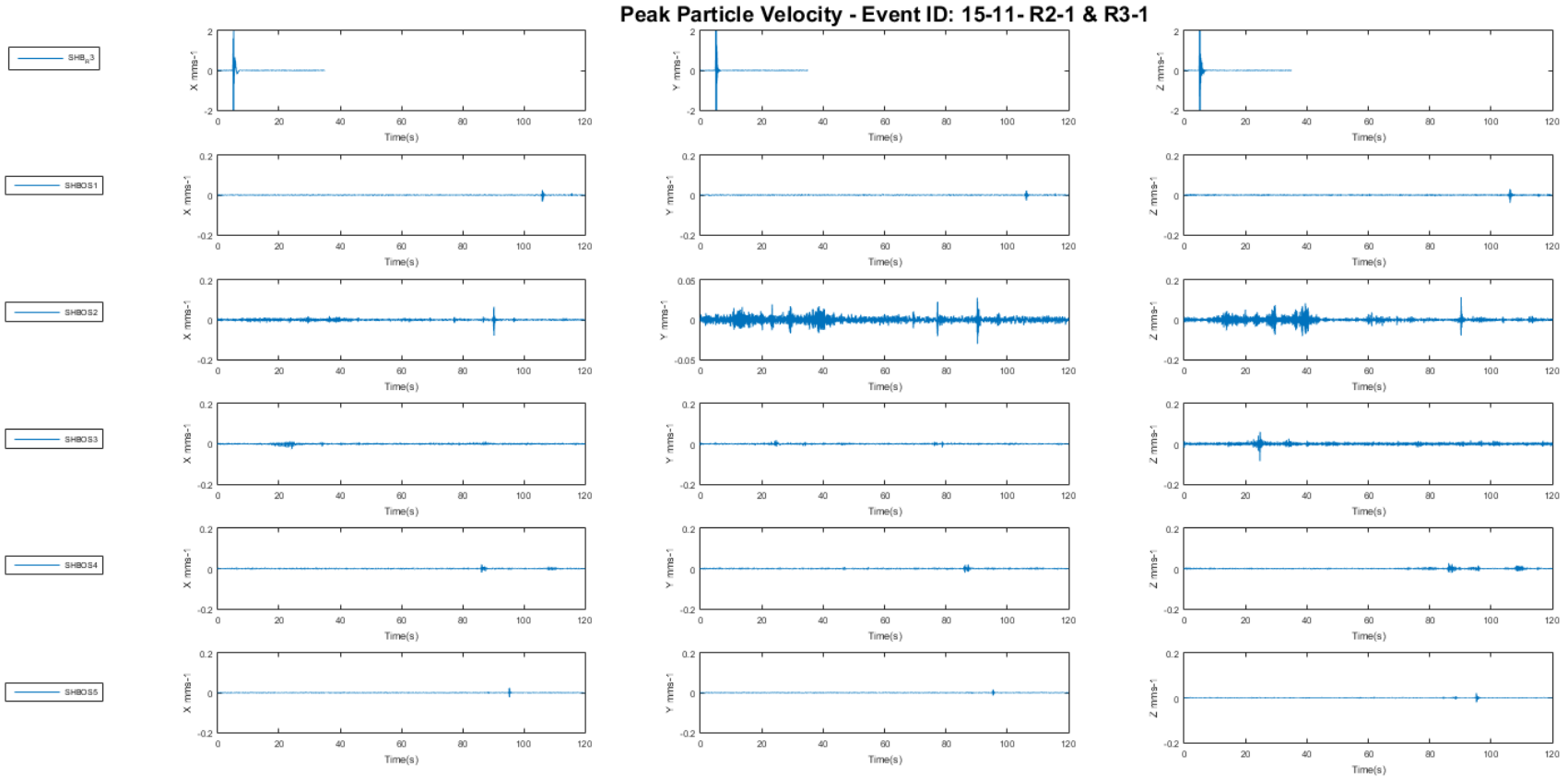


FIGURE 3.1387: SHB_OS 1 - 5 15-11- R2-1 & R3-1

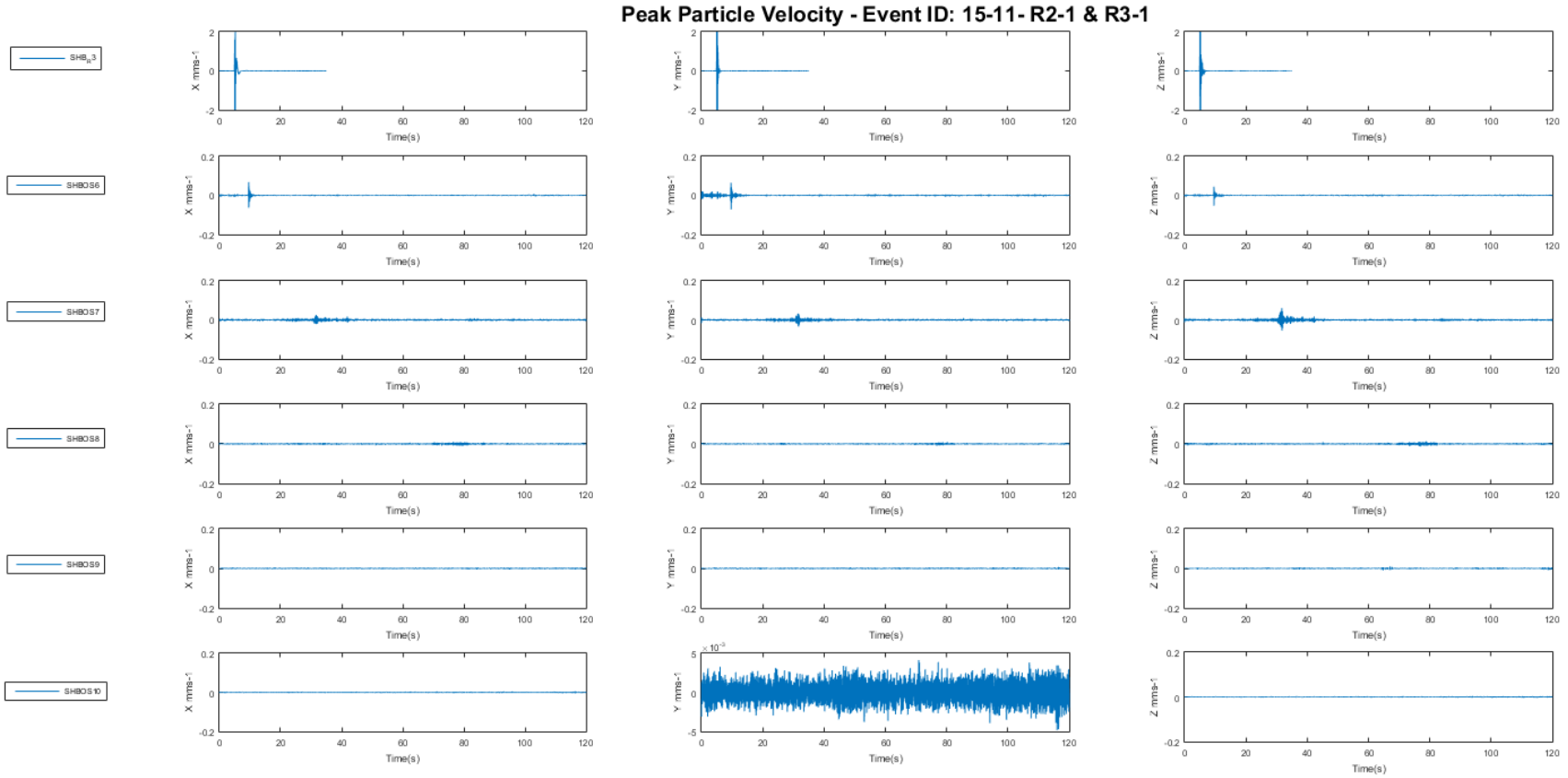


FIGURE 3.1388: SHB_OS 6 - 10 15-11- R2-1 & R3-1

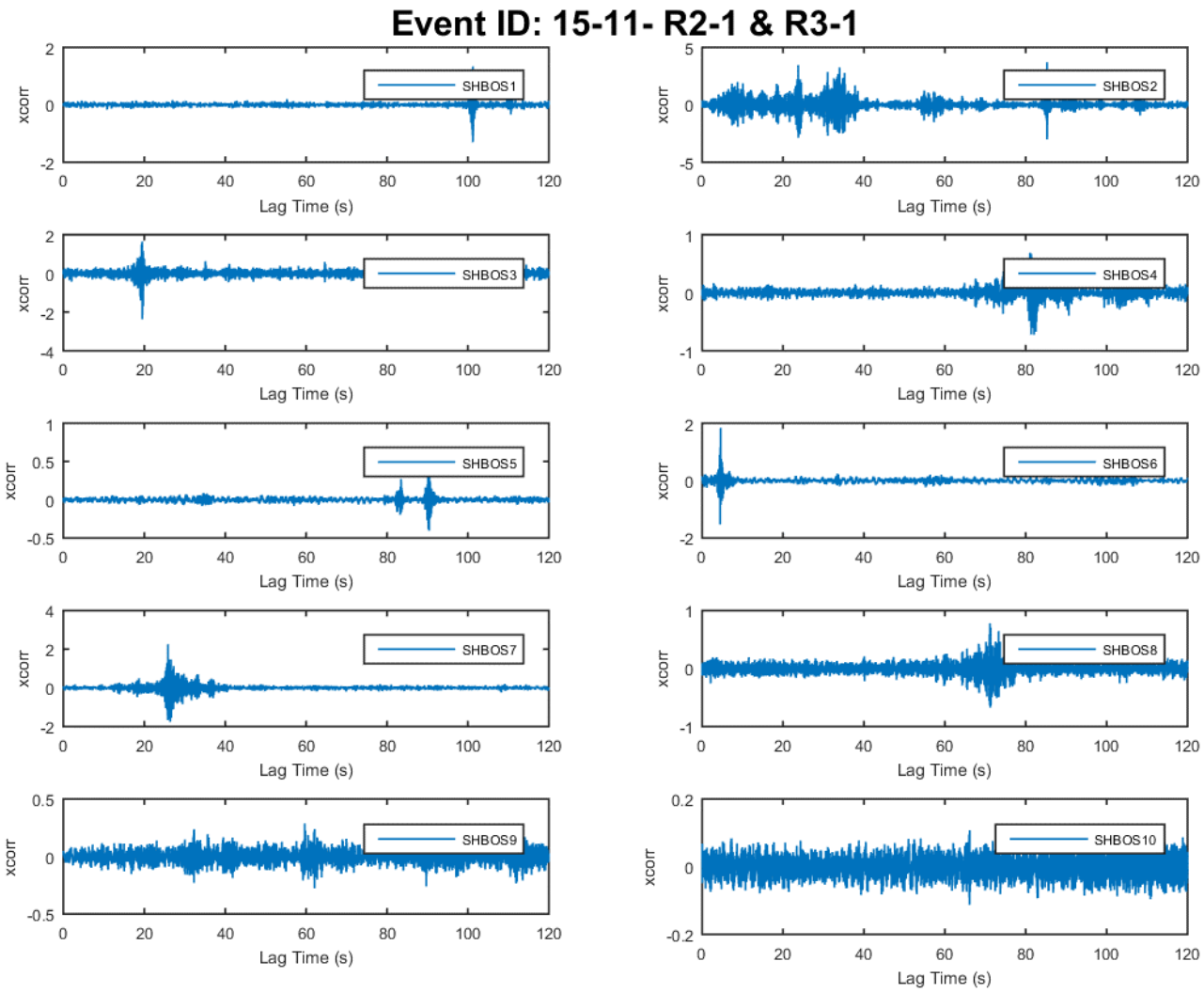


FIGURE 3.1389: CROSS CORRELATION SHB_OS 1 - 10 15-11- R2-1 & R3-1

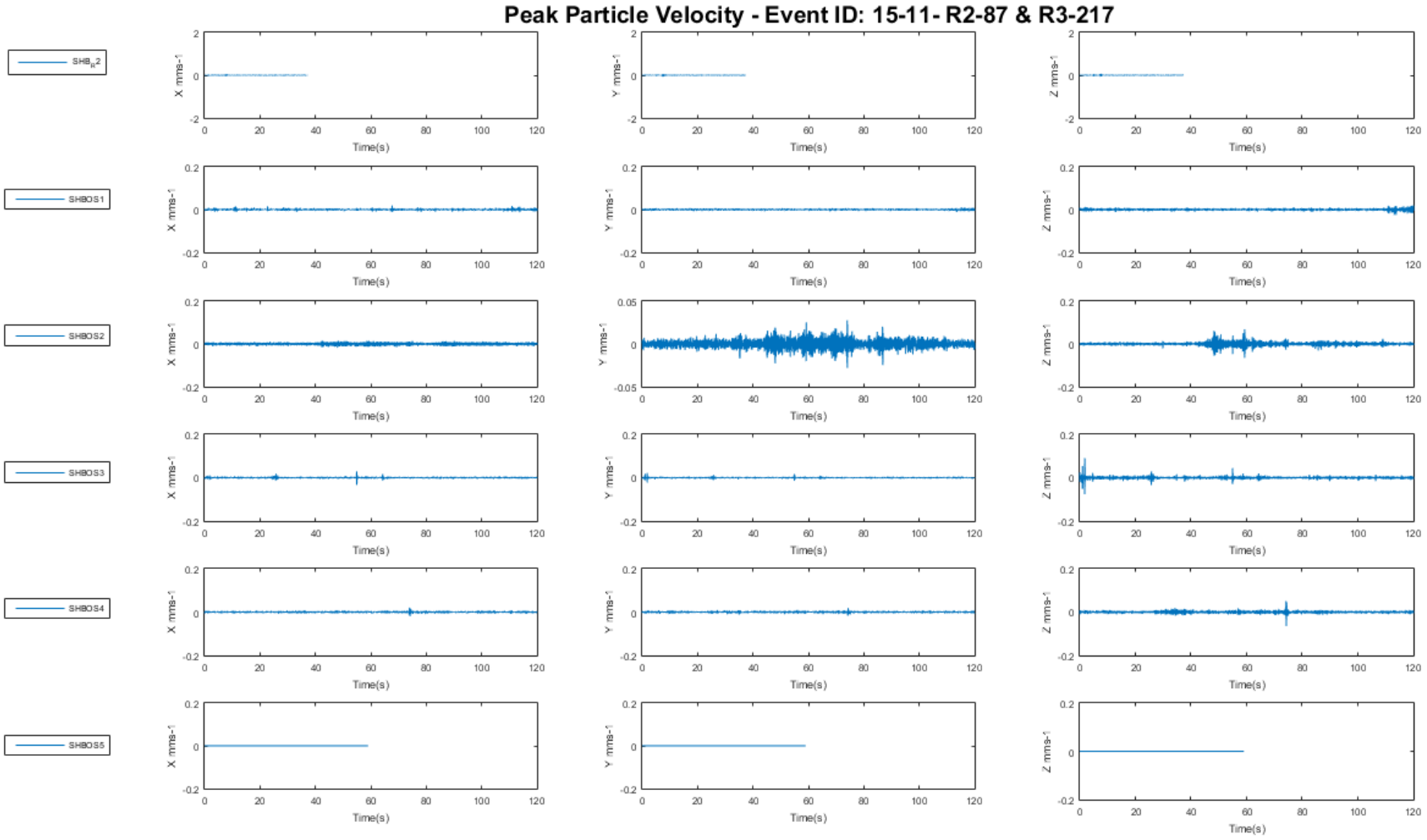


FIGURE 3.1390: SHB_OS 1 - 5 15-11- R2-87 & R3-217

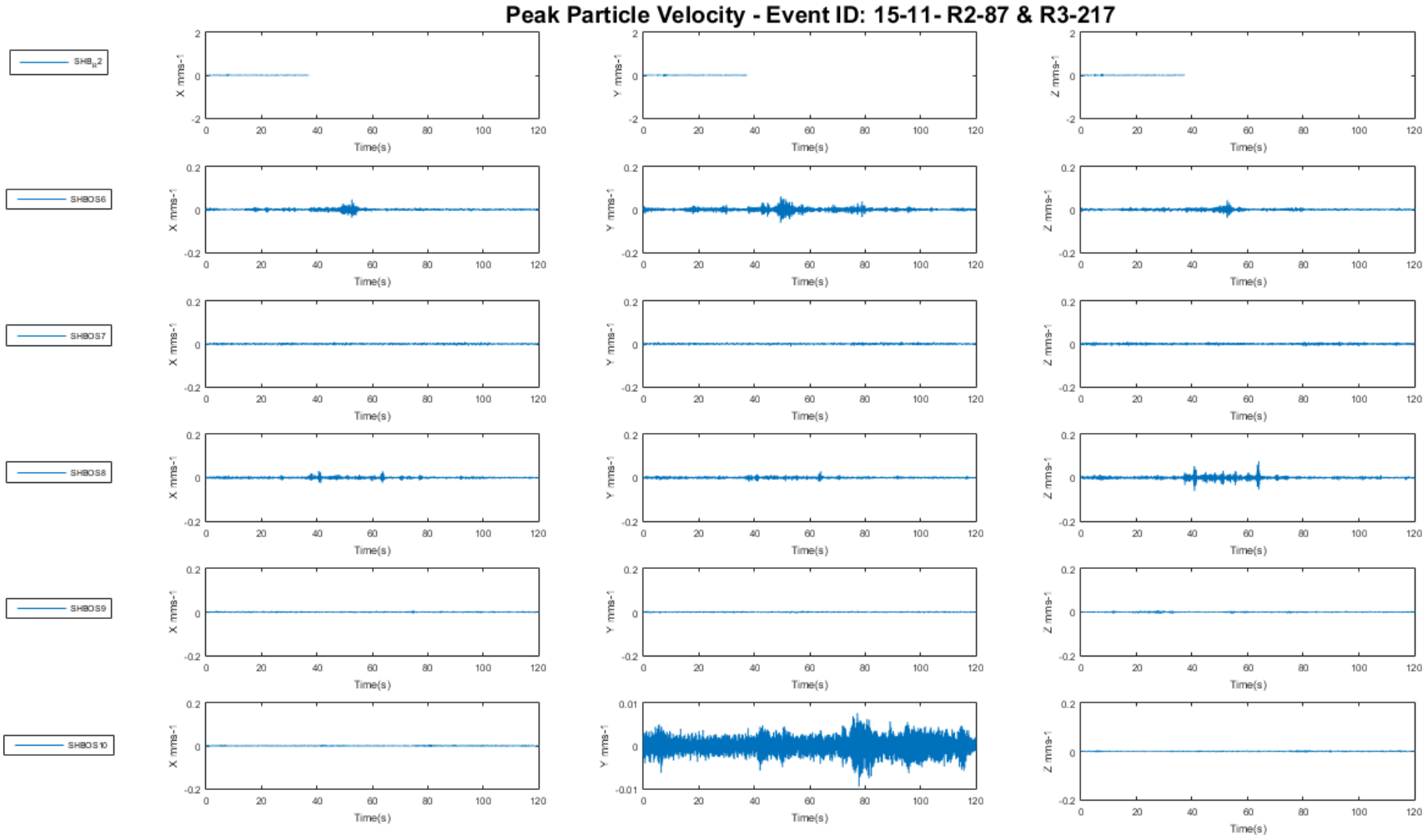


FIGURE 3.1391: SHB_OS 6 - 10 15-11- R2-87 & R3-217

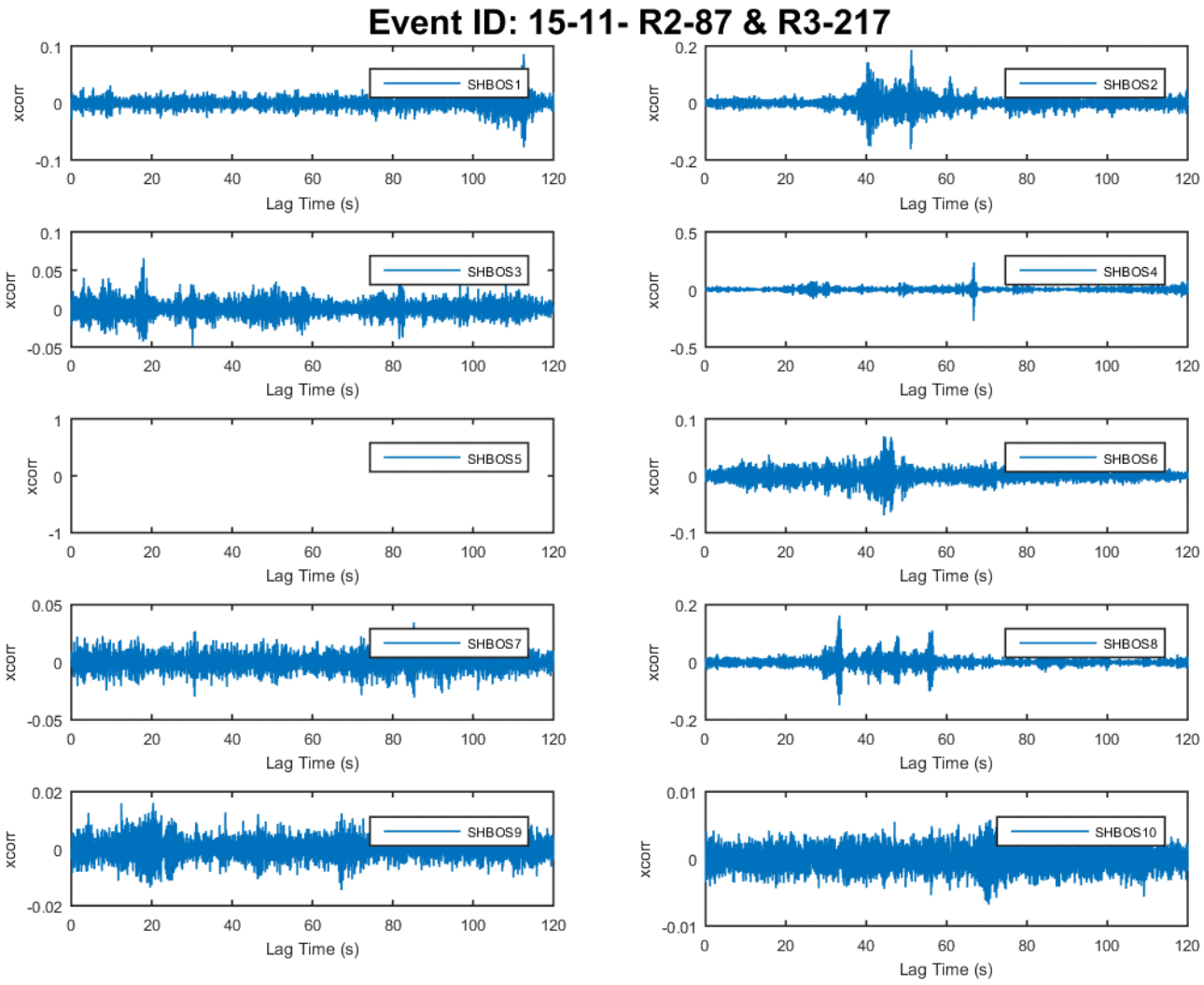


FIGURE 3.1392: CROSS CORRELATION SHB_OS 1 - 10 15-11- R2-87 & R3-217

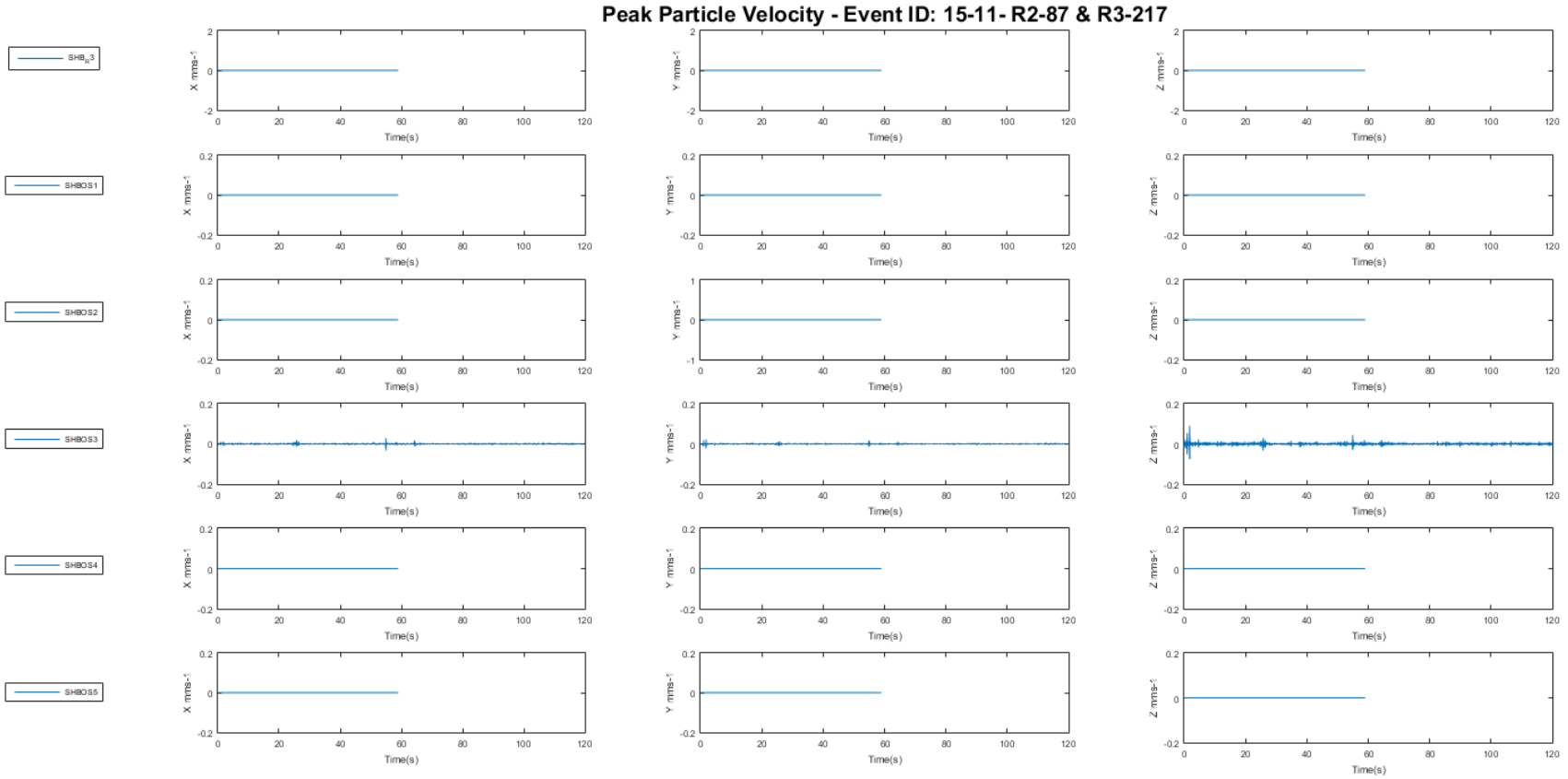


FIGURE 3.1393: SHB_OS 1 - 5 15-11- R2-87 & R3-217

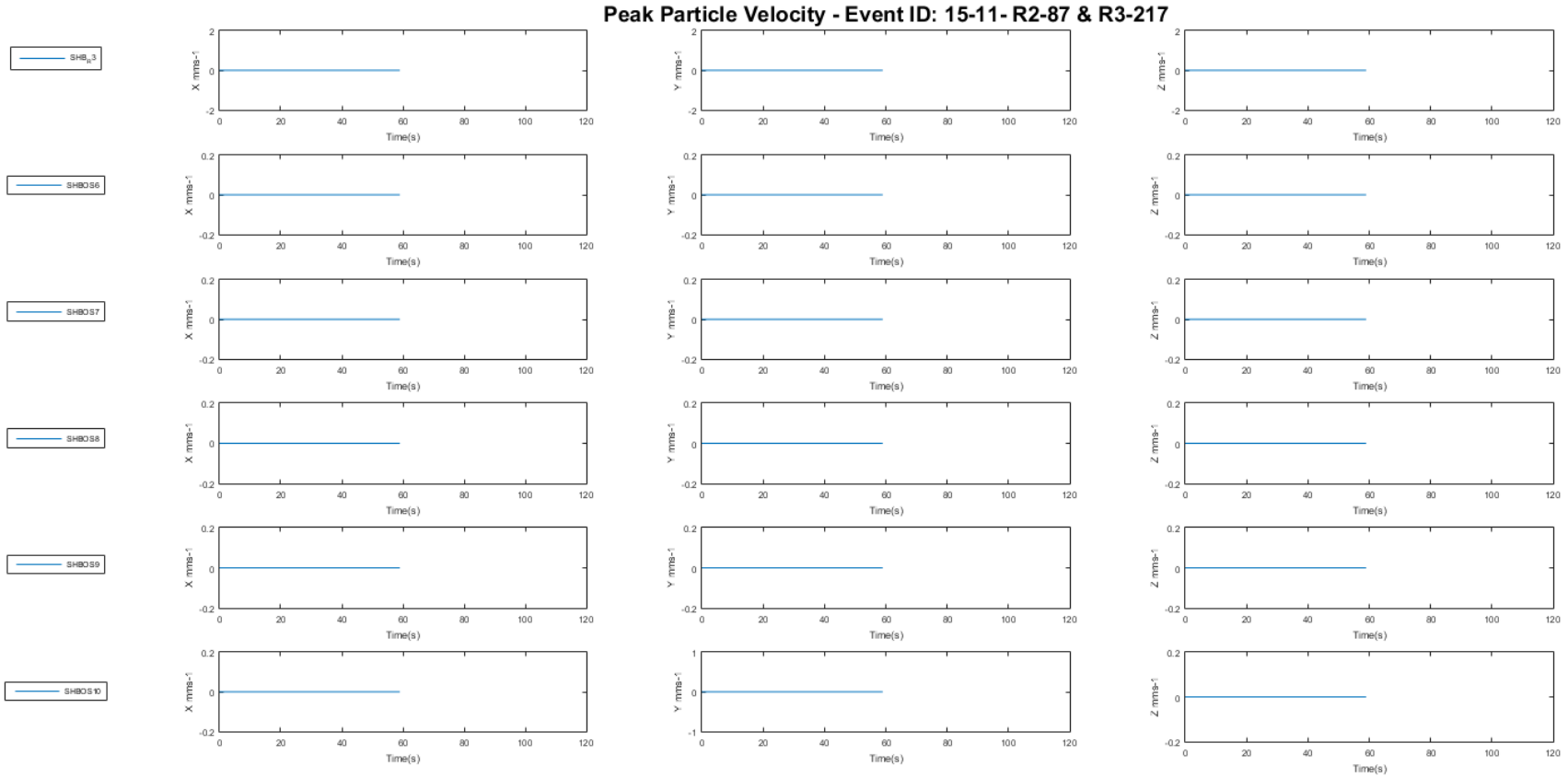


FIGURE 3.1394: SHB_OS 6 - 10 15-11- R2-87 & R3-217

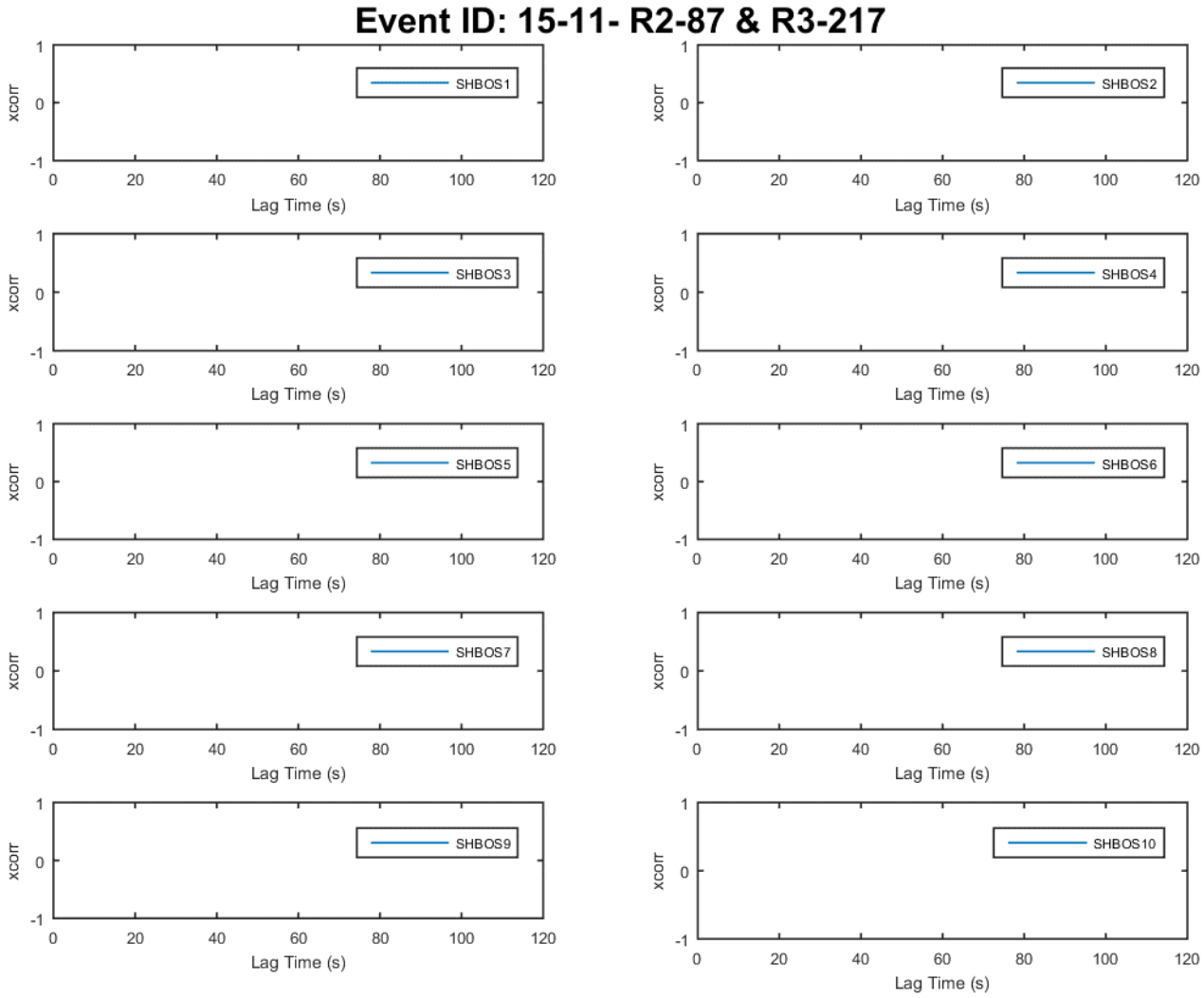


FIGURE 3.1395: CROSS CORRELATION SHB_OS 1 - 10 15-11- R2-87 & R3-217

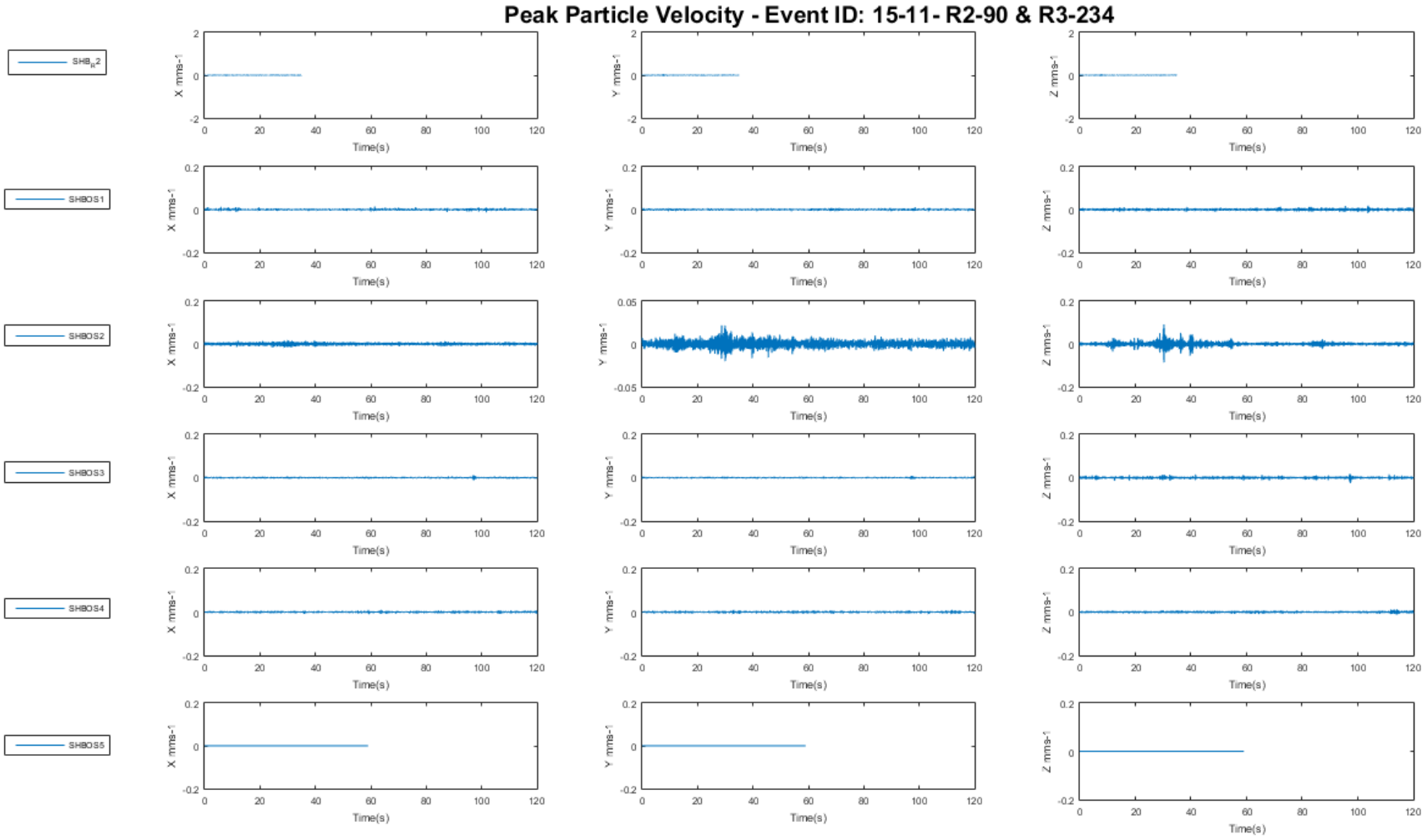


FIGURE 3.1396: SHB_OS 1 - 5 15-11- R2-90 & R3-234

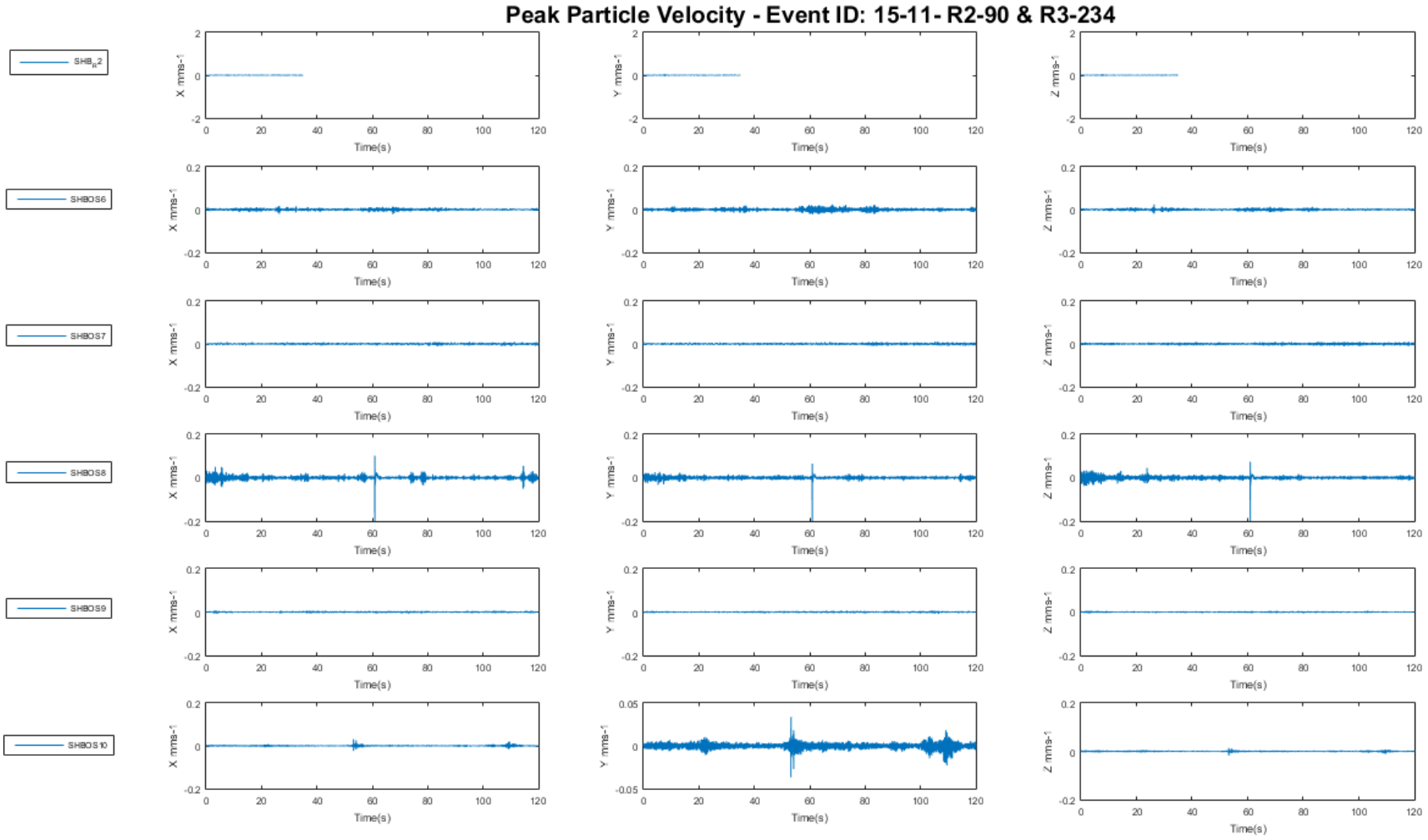


FIGURE 3.1397: SHB_OS 6 - 10 15-11- R2-90 & R3-234

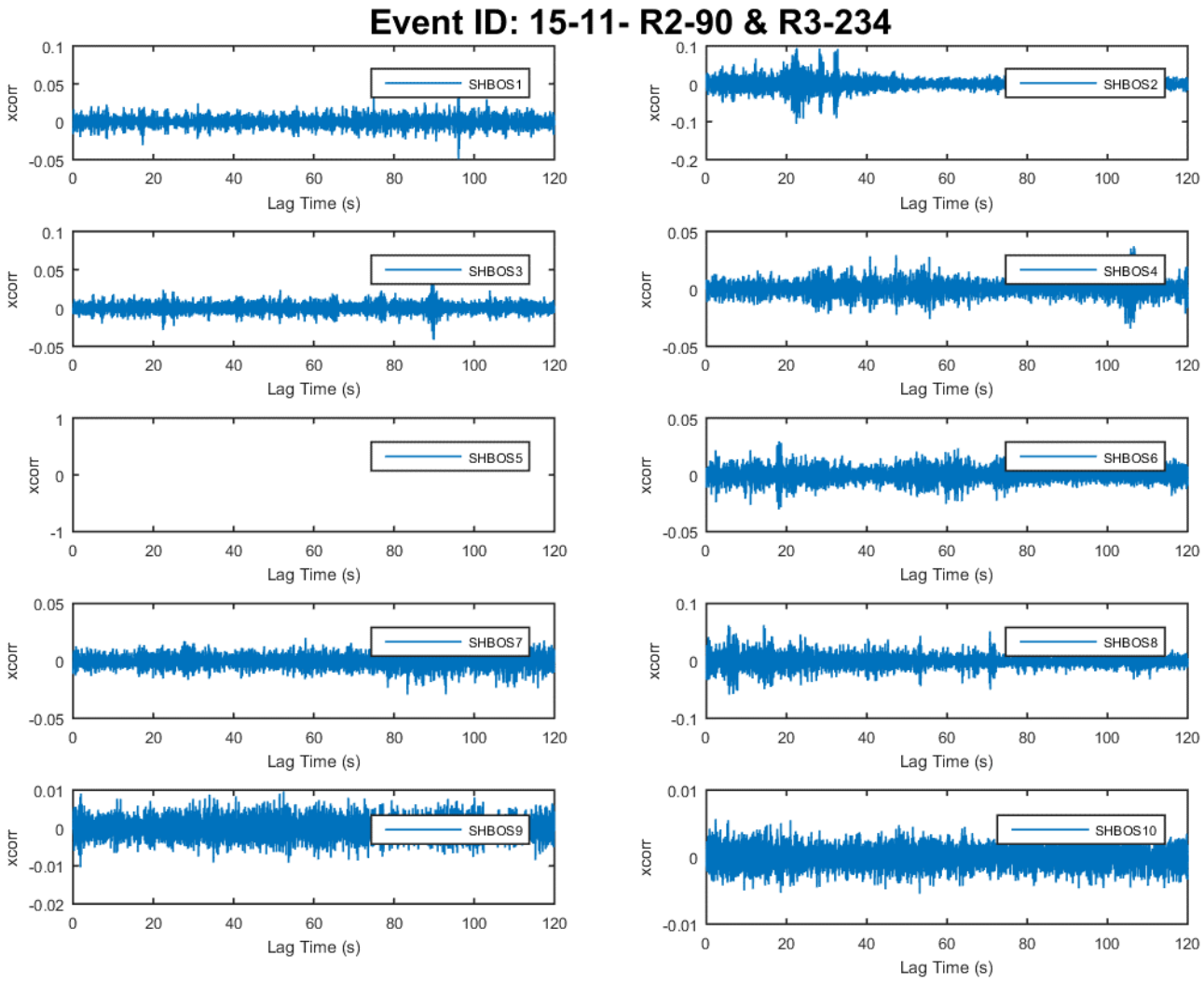


FIGURE 3.1398: CROSS CORRELATION SHB_OS 1 - 10 15-11- R2-90 & R3-234

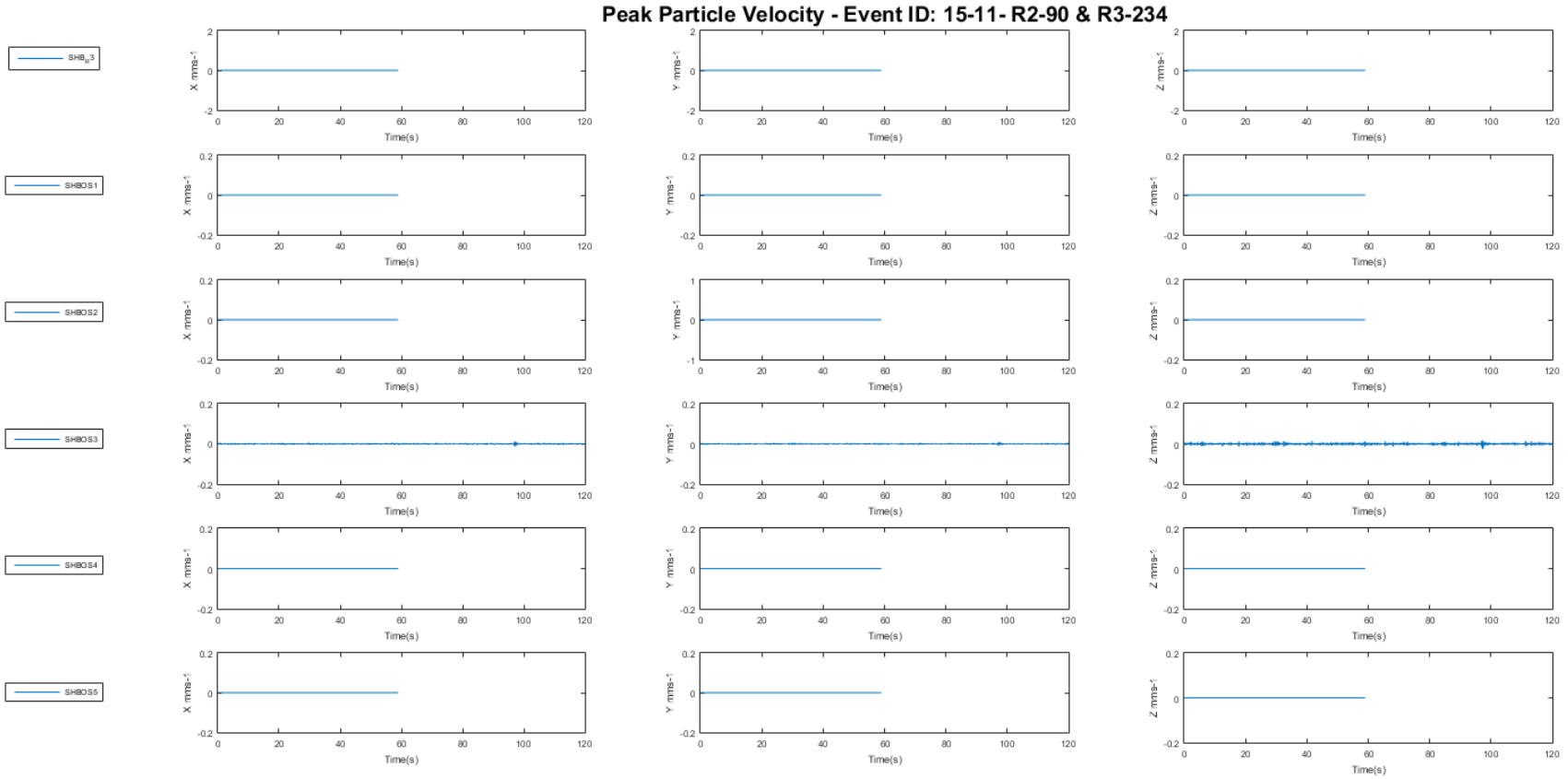


FIGURE 3.1399: SHB_OS 1 - 5 15-11- R2-90 & R3-234

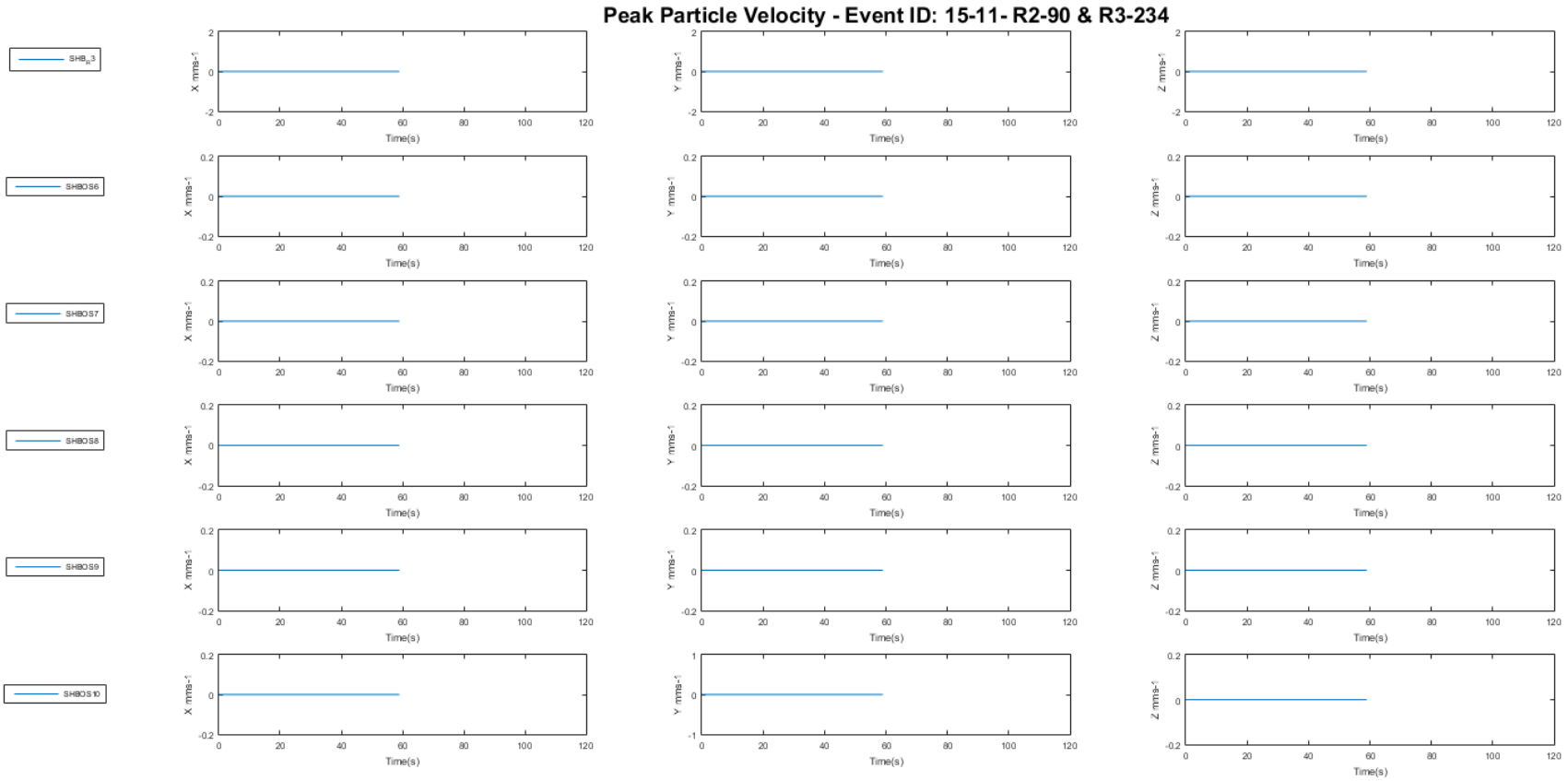


FIGURE 3.1400: SHB_OS 6 - 10 15-11- R2-90 & R3-234

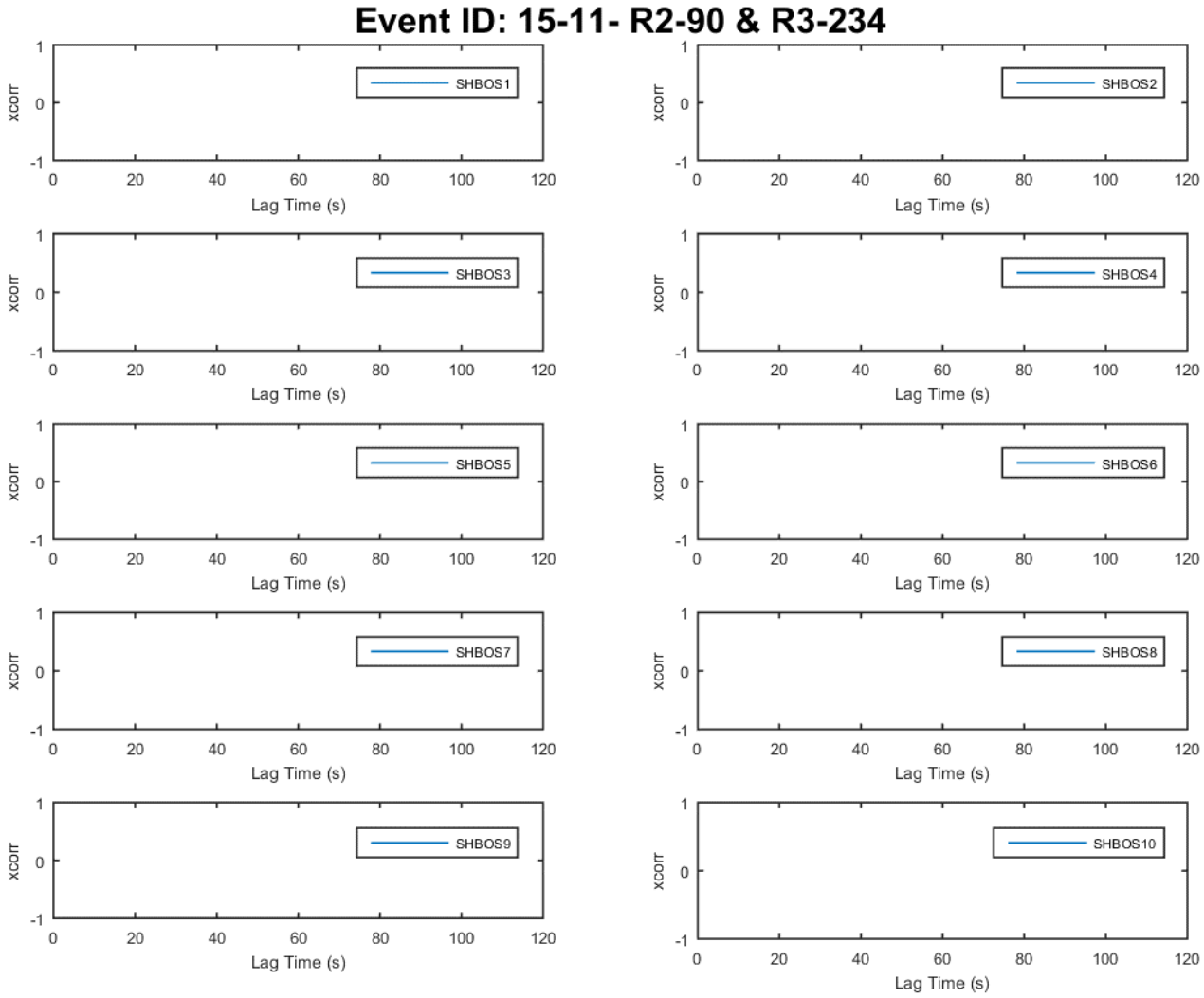


FIGURE 3.1401: CROSS CORRELATION SHB_OS 1 - 10 15-11- R2-90 & R3-234

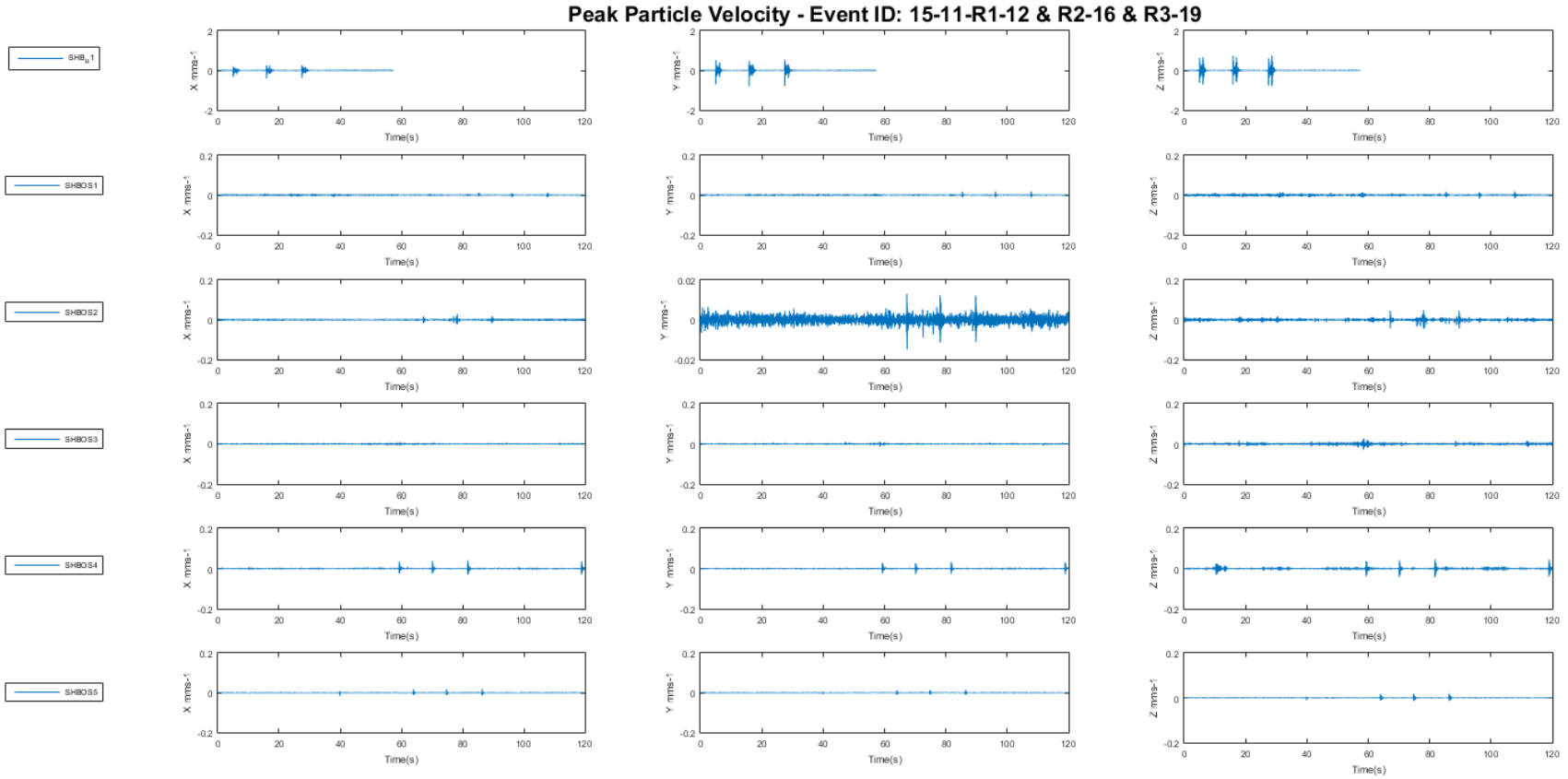


FIGURE 3.1402: SHB_OS 1 - 5 15-11-R1-12 & R2-16 & R3-19

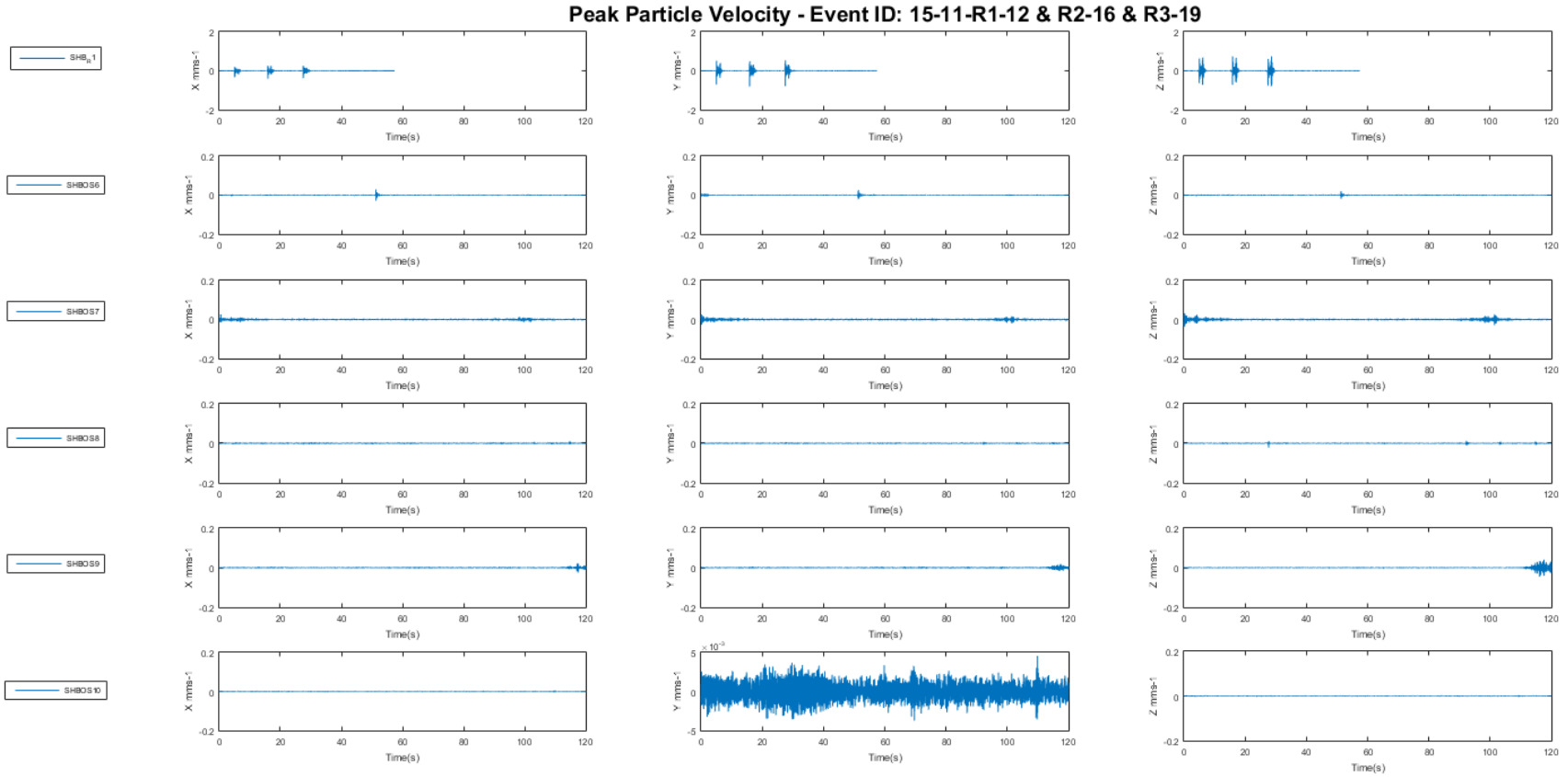


FIGURE 3.1403: SHB_OS 6 - 10 15-11-R1-12 & R2-16 & R3-19

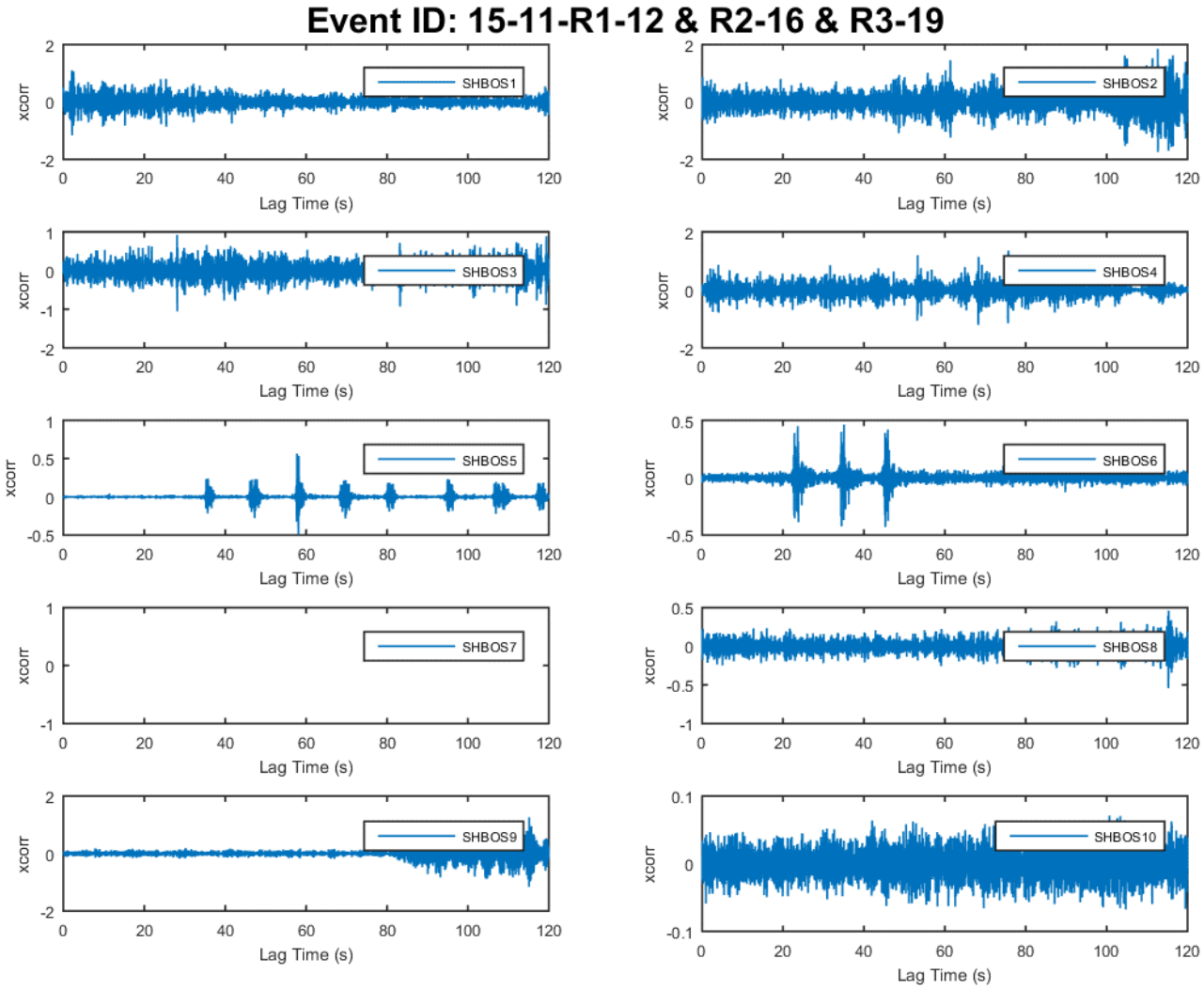


FIGURE 3.1404: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-12 & R2-16 & R3-19

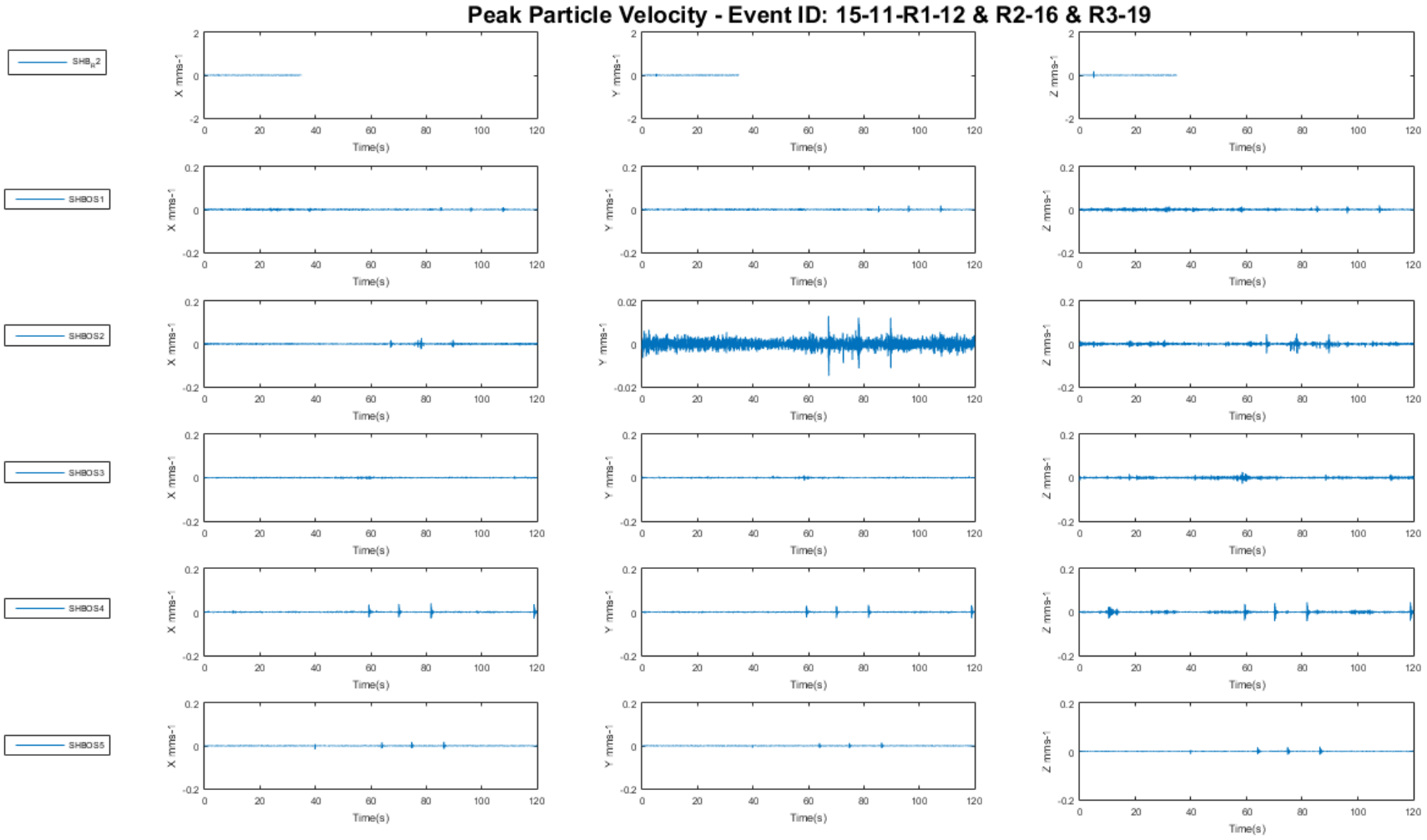


FIGURE 3.1405: SHB_OS 1 - 5 15-11-R1-12 & R2-16 & R3-19

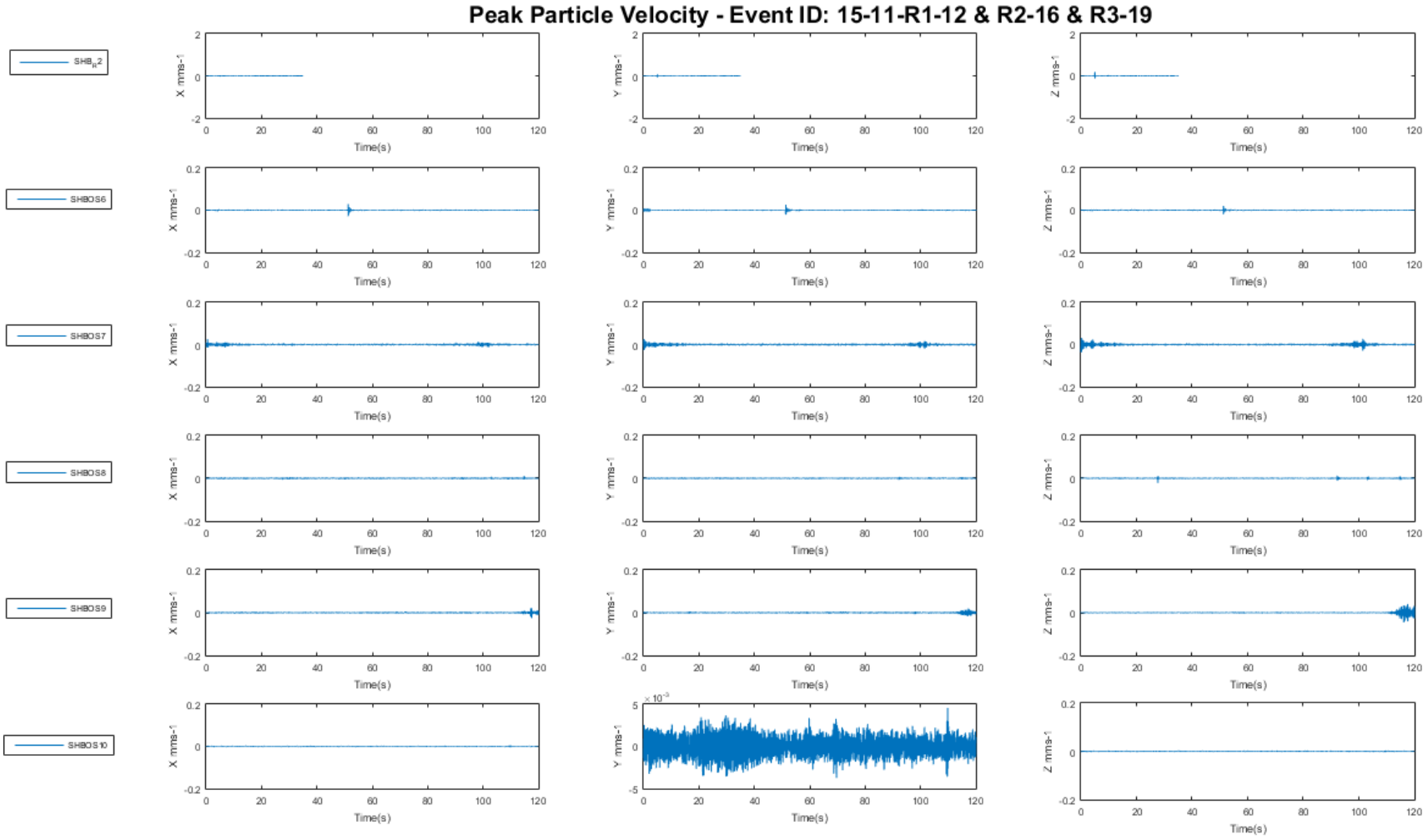


FIGURE 3.1406: SHB_OS 6 - 10 15-11-R1-12 & R2-16 & R3-19

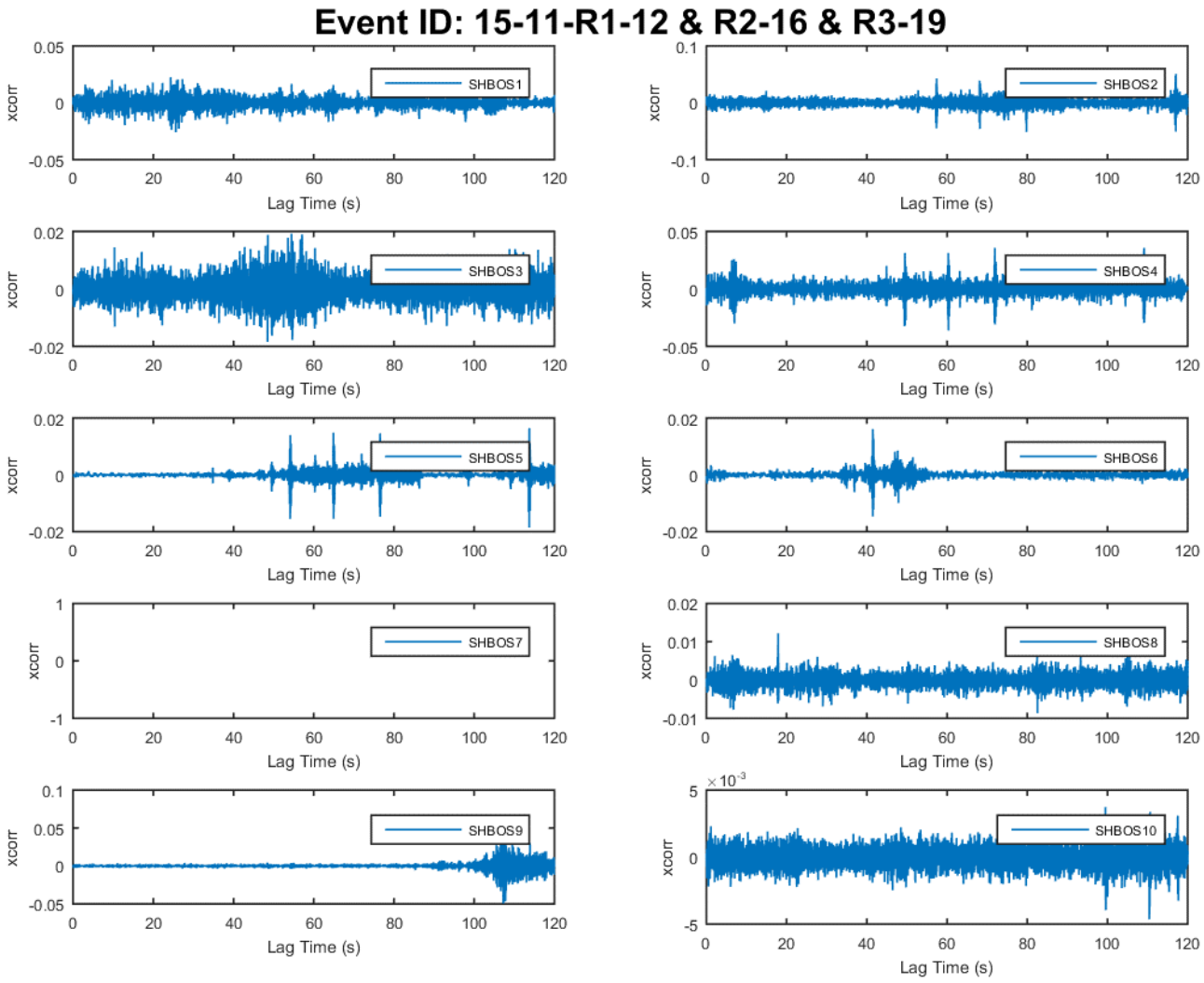


FIGURE 3.1407: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-12 & R2-16 & R3-19

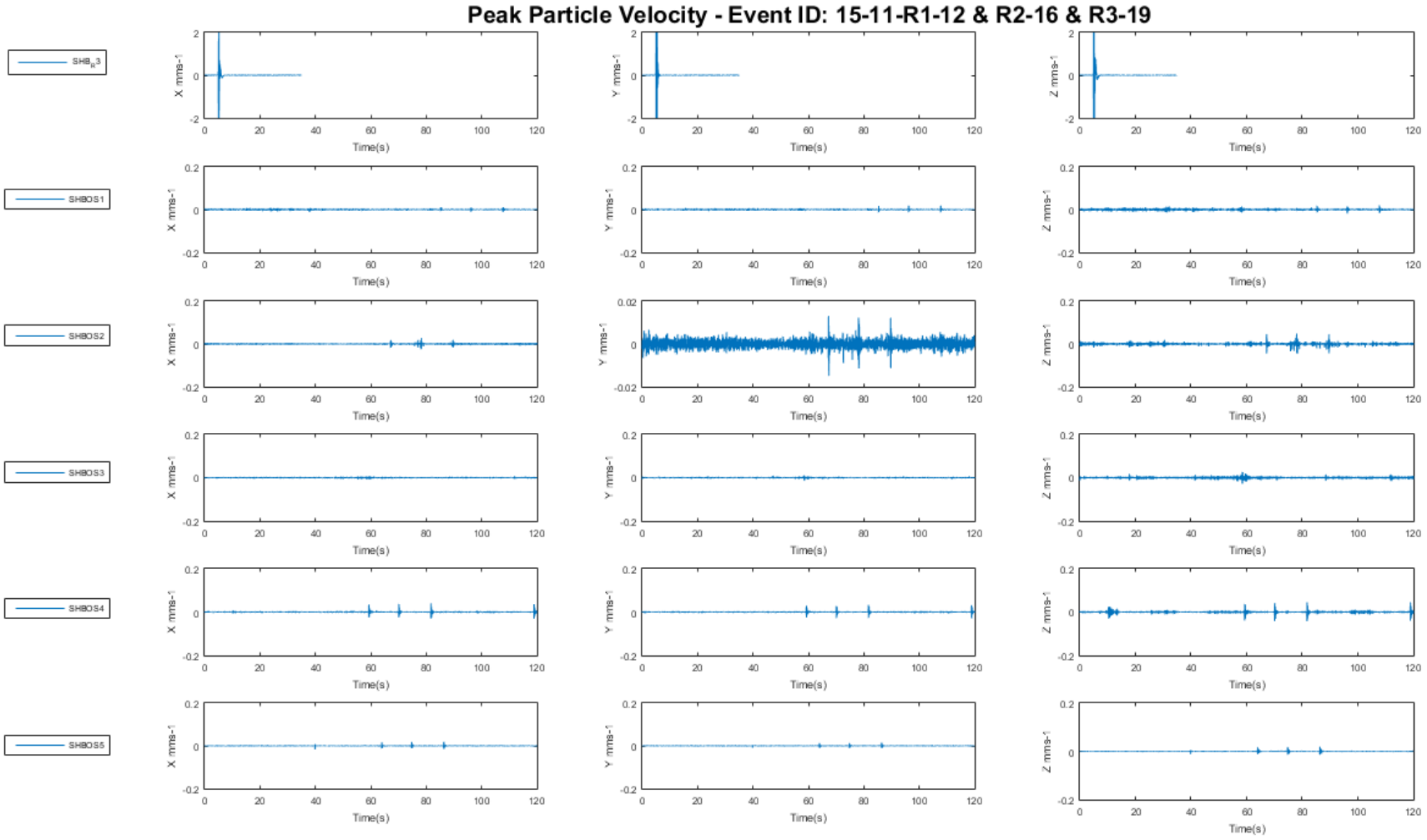


FIGURE 3.1408: SHB_OS 1 - 5 15-11-R1-12 & R2-16 & R3-19

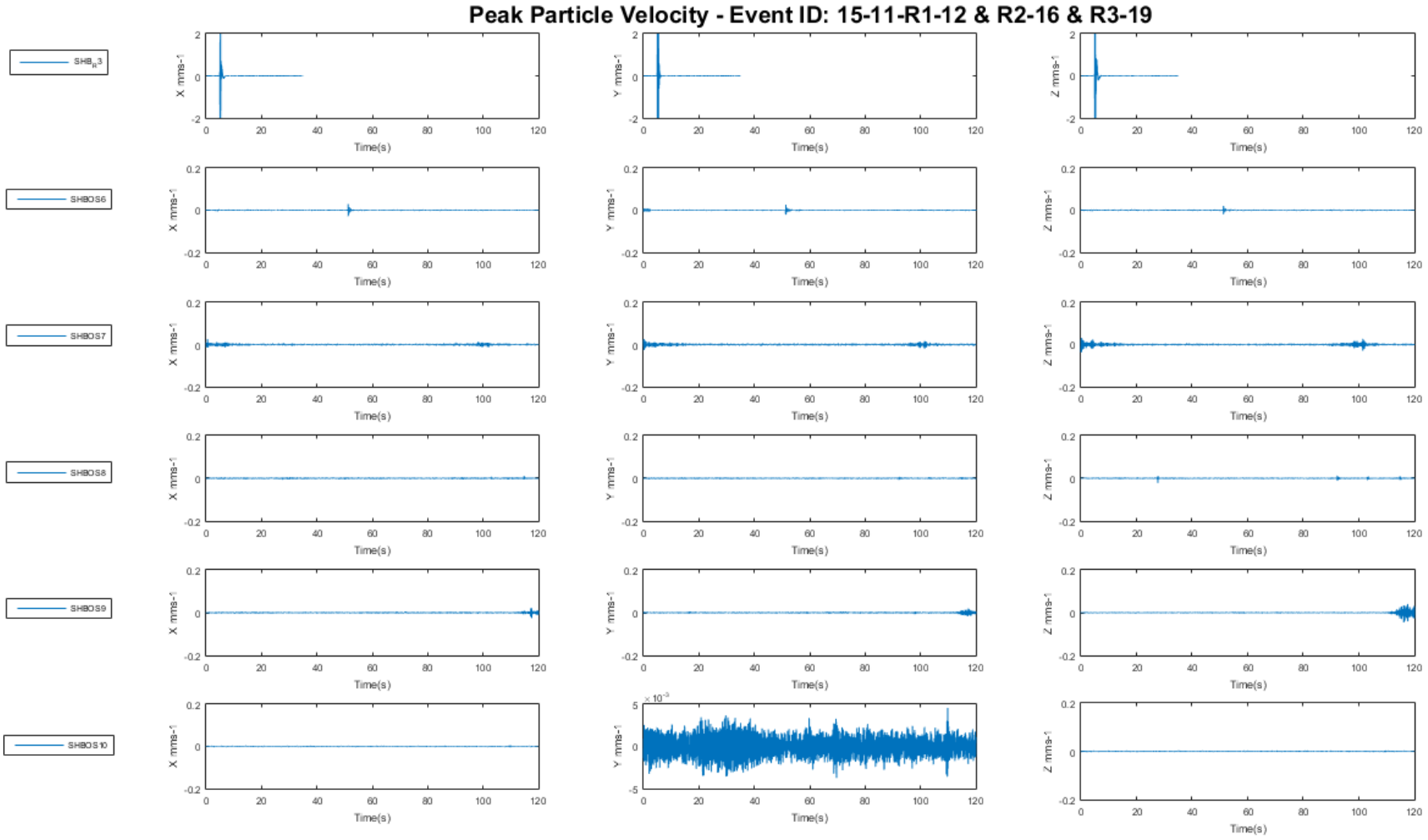


FIGURE 3.1409: SHB_OS 6 - 10 15-11-R1-12 & R2-16 & R3-19

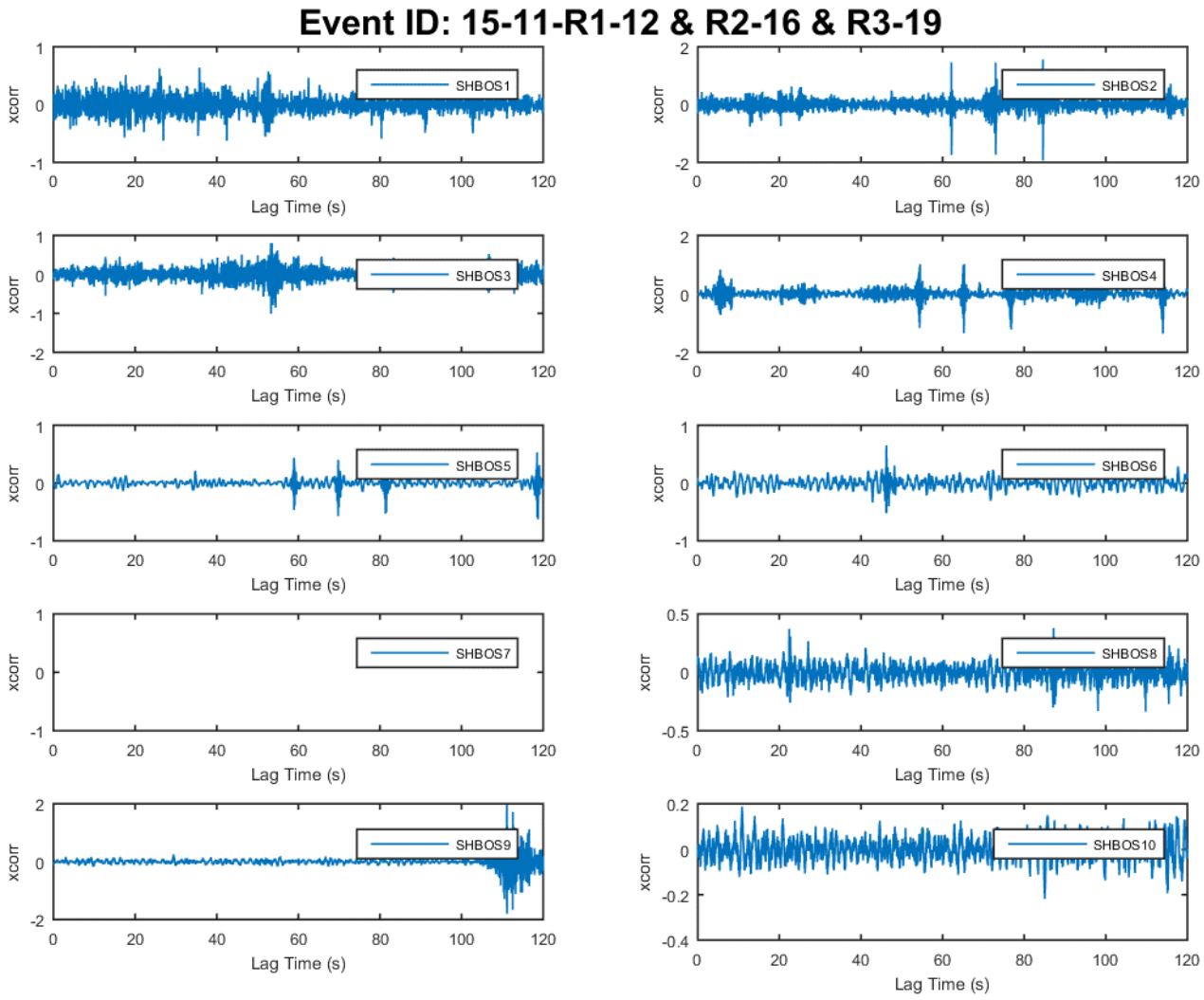


FIGURE 3.1410: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-12 & R2-16 & R3-19

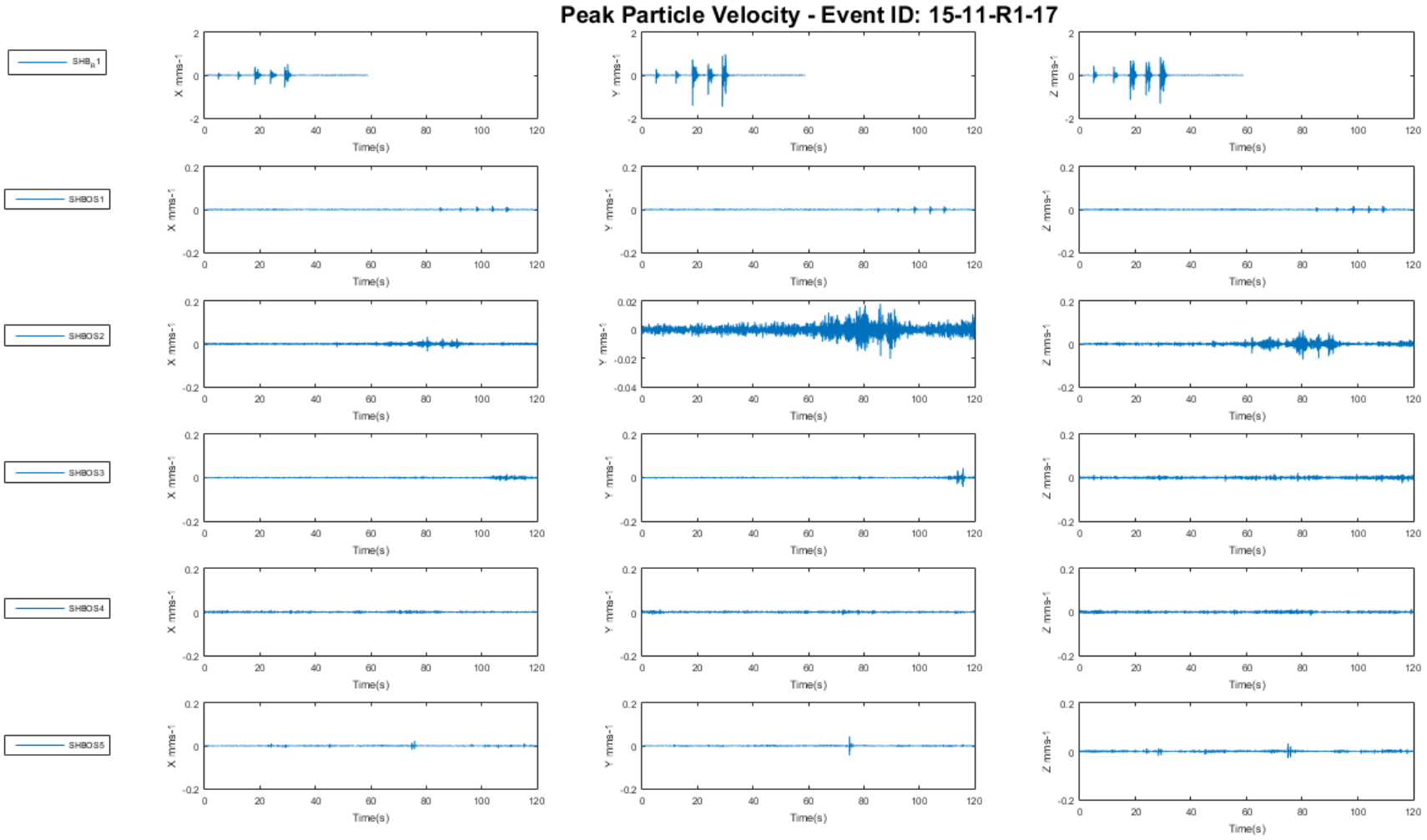


FIGURE 3.1411: SHB_OS 1 - 5 15-11-R1-17

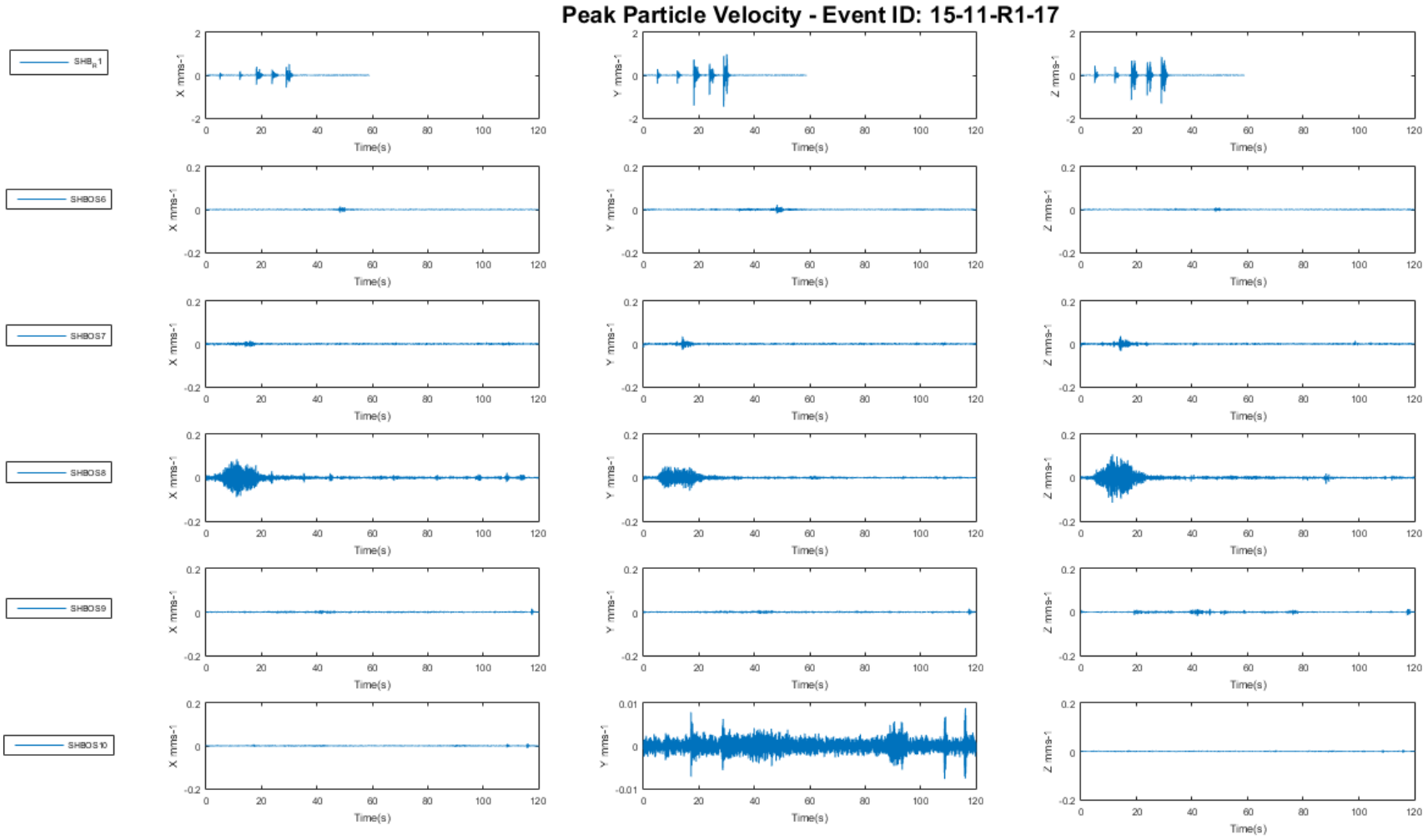


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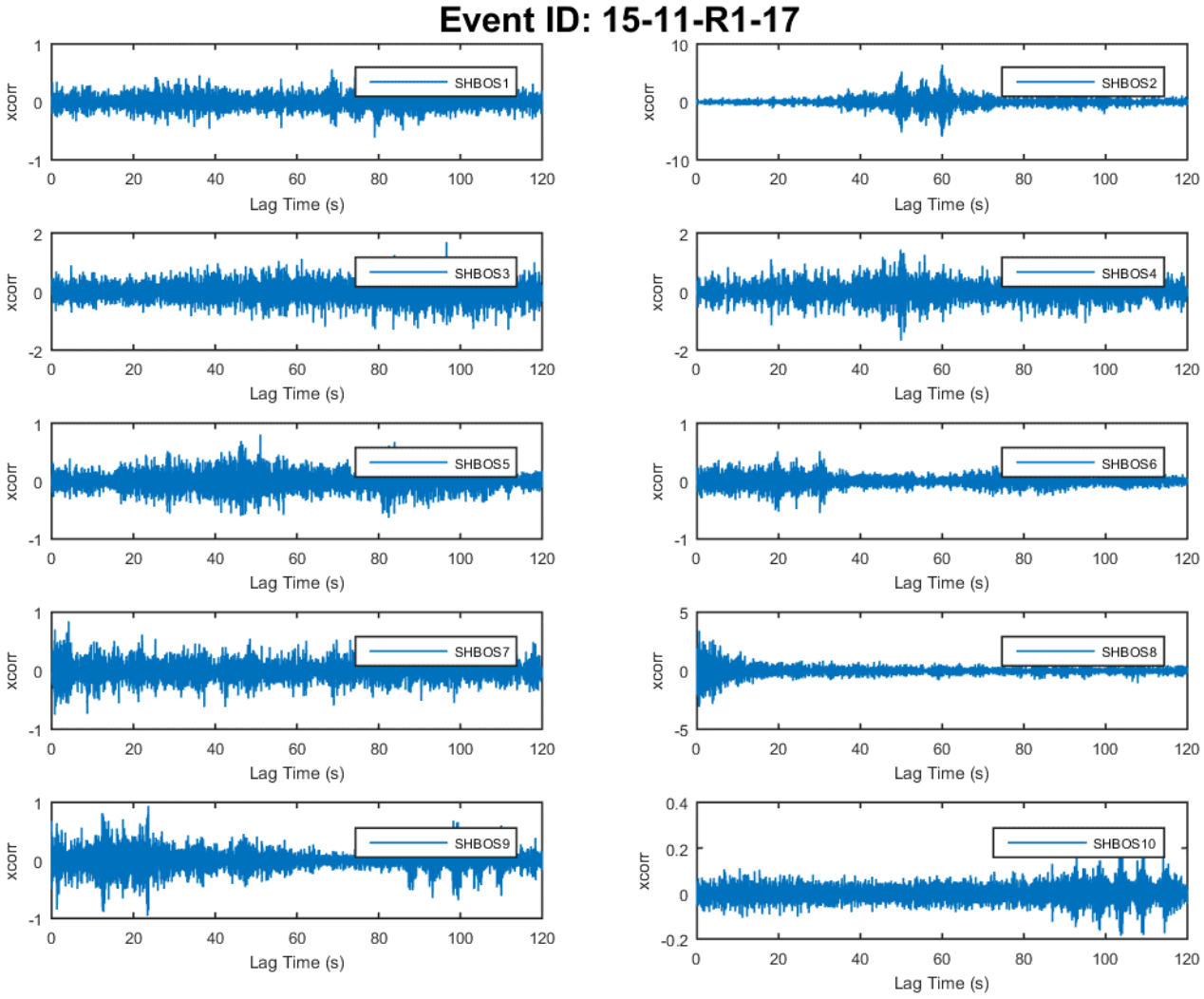


FIGURE 3.1413: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-17

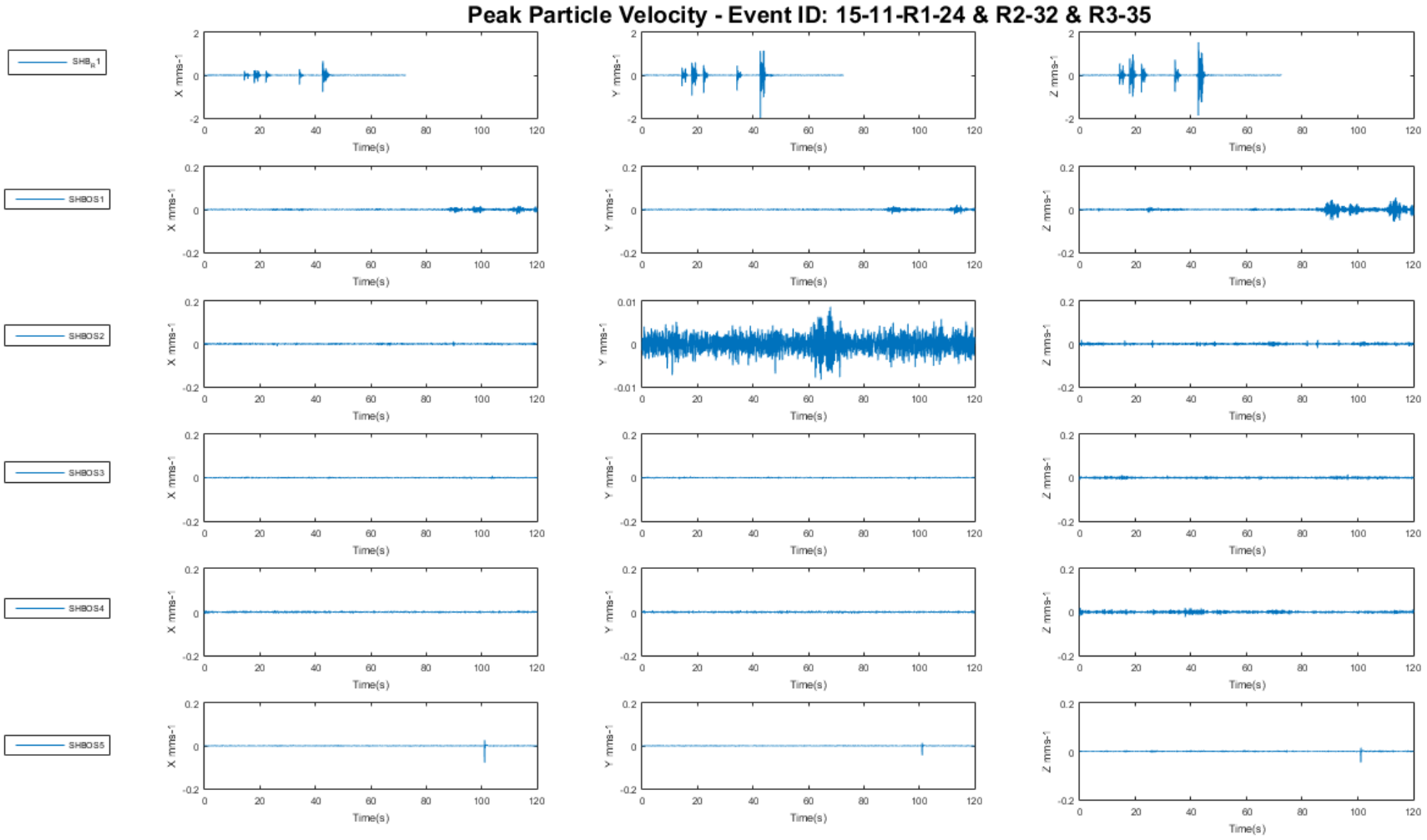


FIGURE 3.1414: SHB_OS 1 - 5 15-11-R1-24 & R2-32 & R3-35

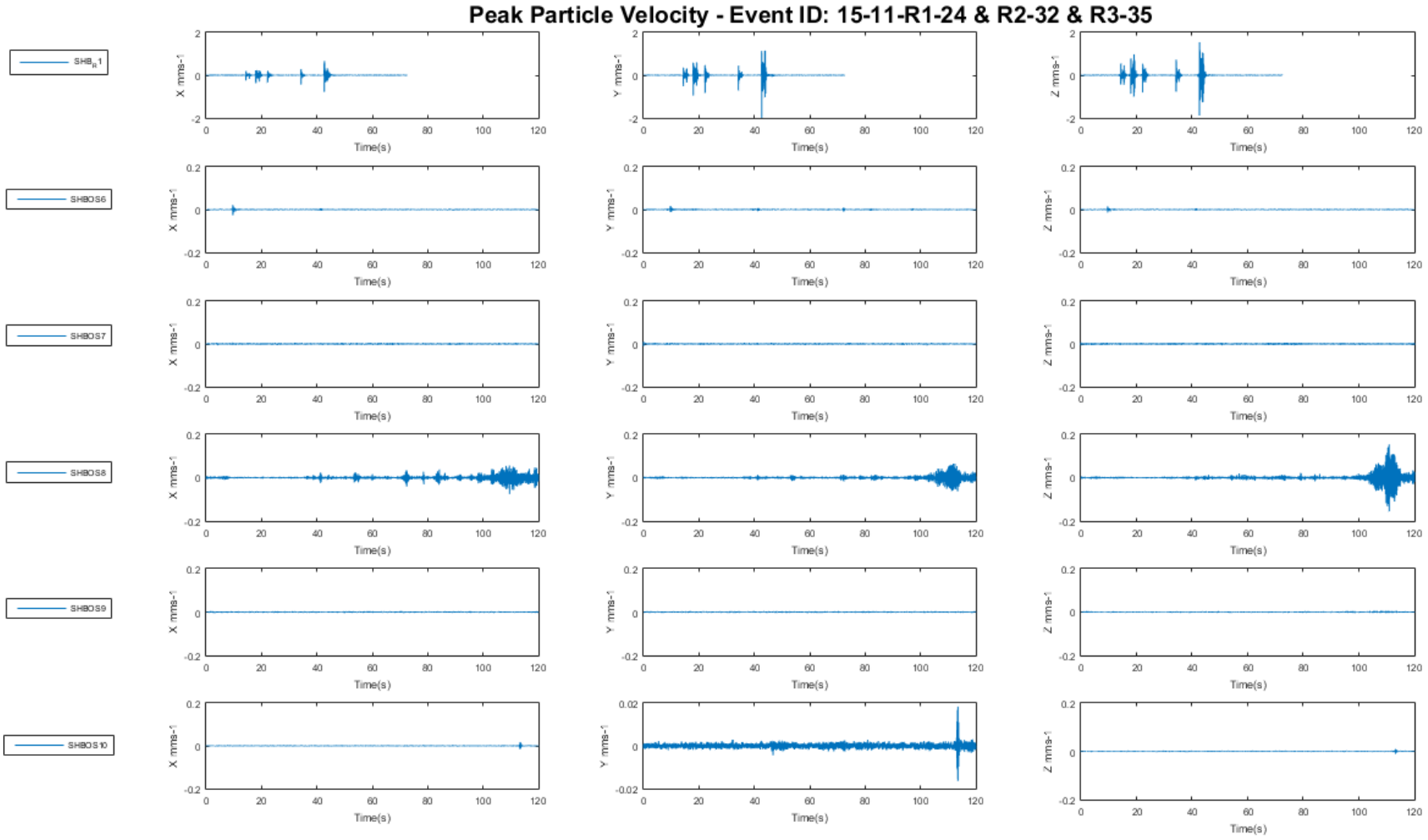


FIGURE 3.1415: SHB_OS 6 - 10 15-11-R1-24 & R2-32 & R3-35

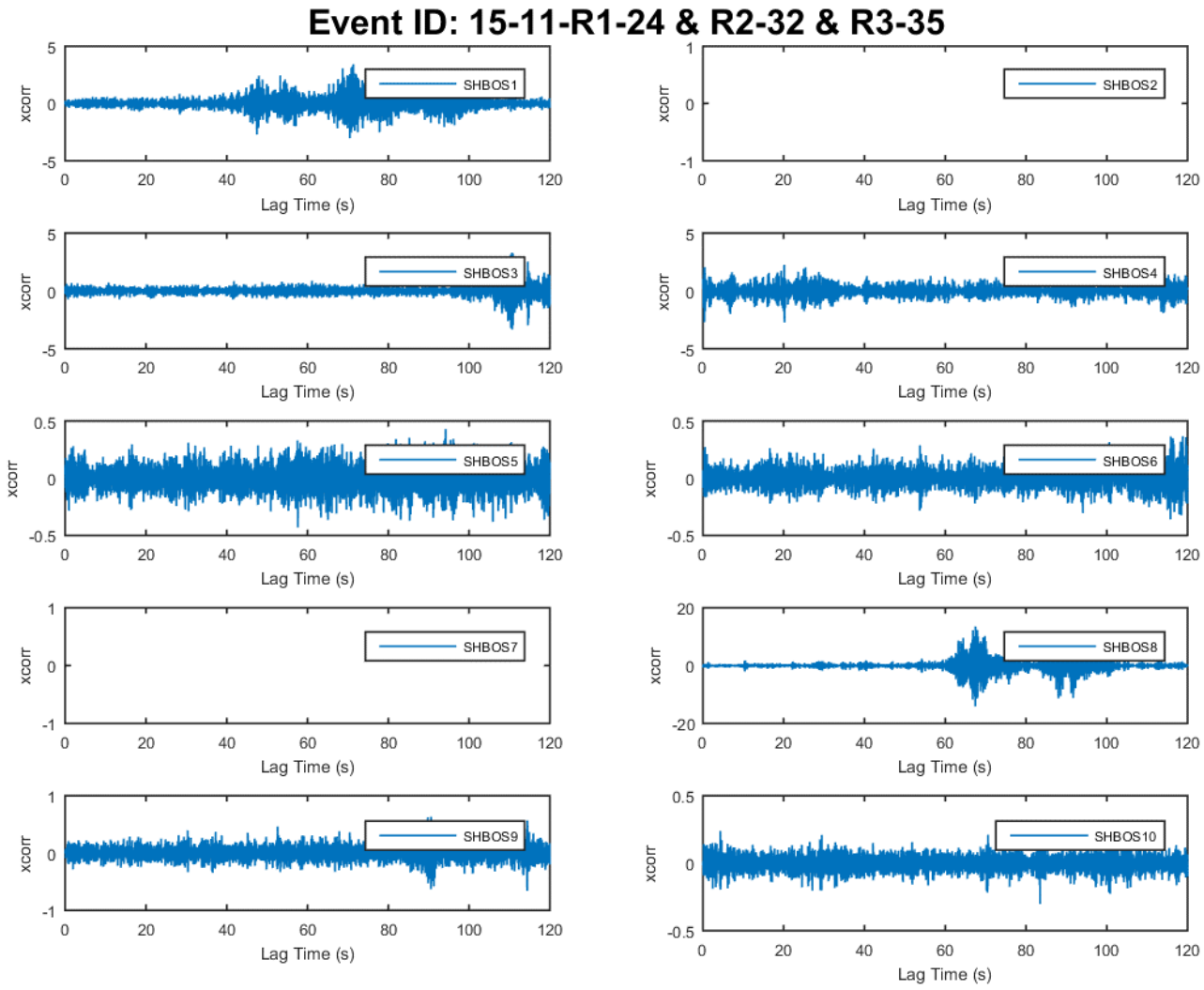


FIGURE 3.1416: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-24 & R2-32 & R3-35

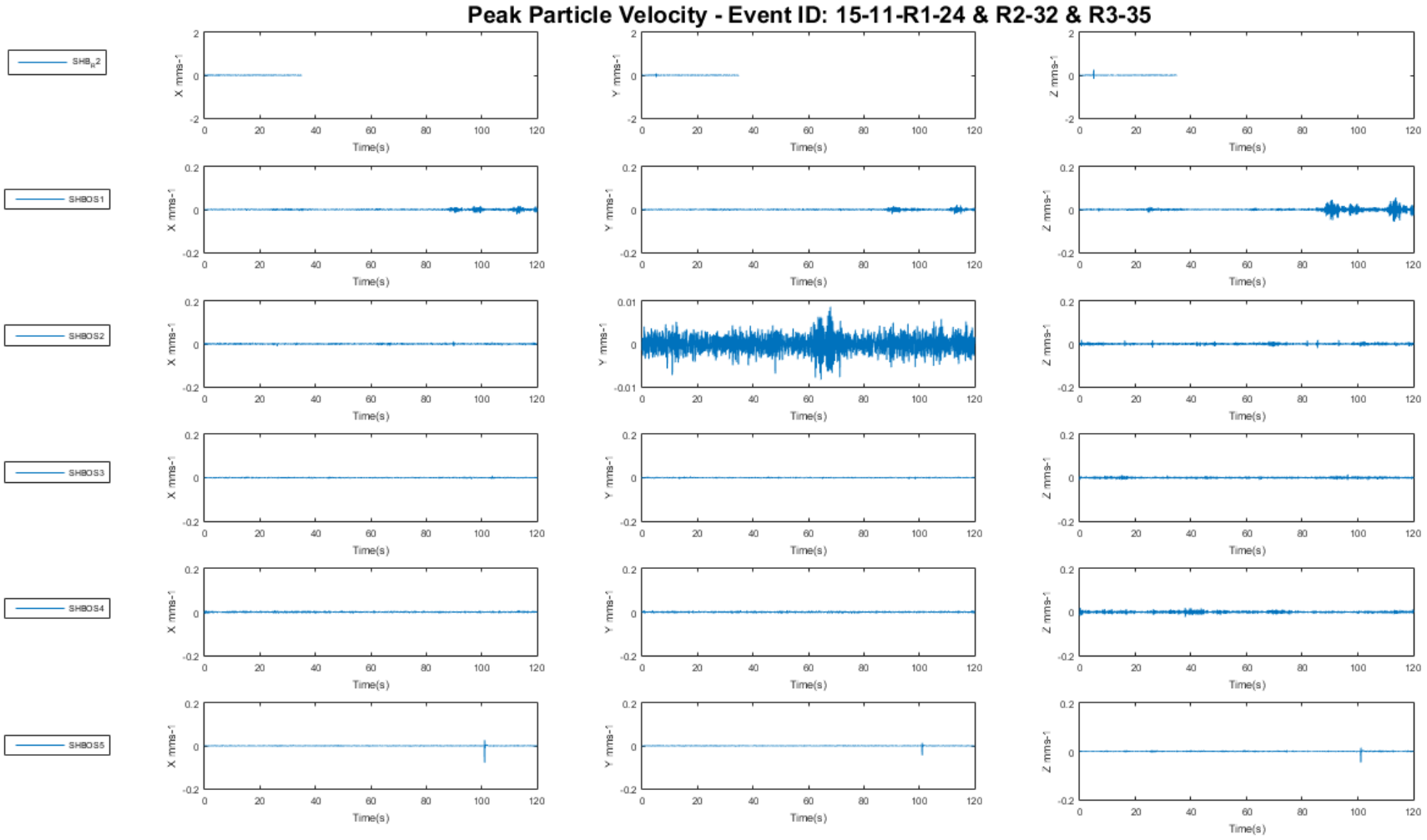


FIGURE 3.1417: SHB_OS 1 - 5 15-11-R1-24 & R2-32 & R3-35

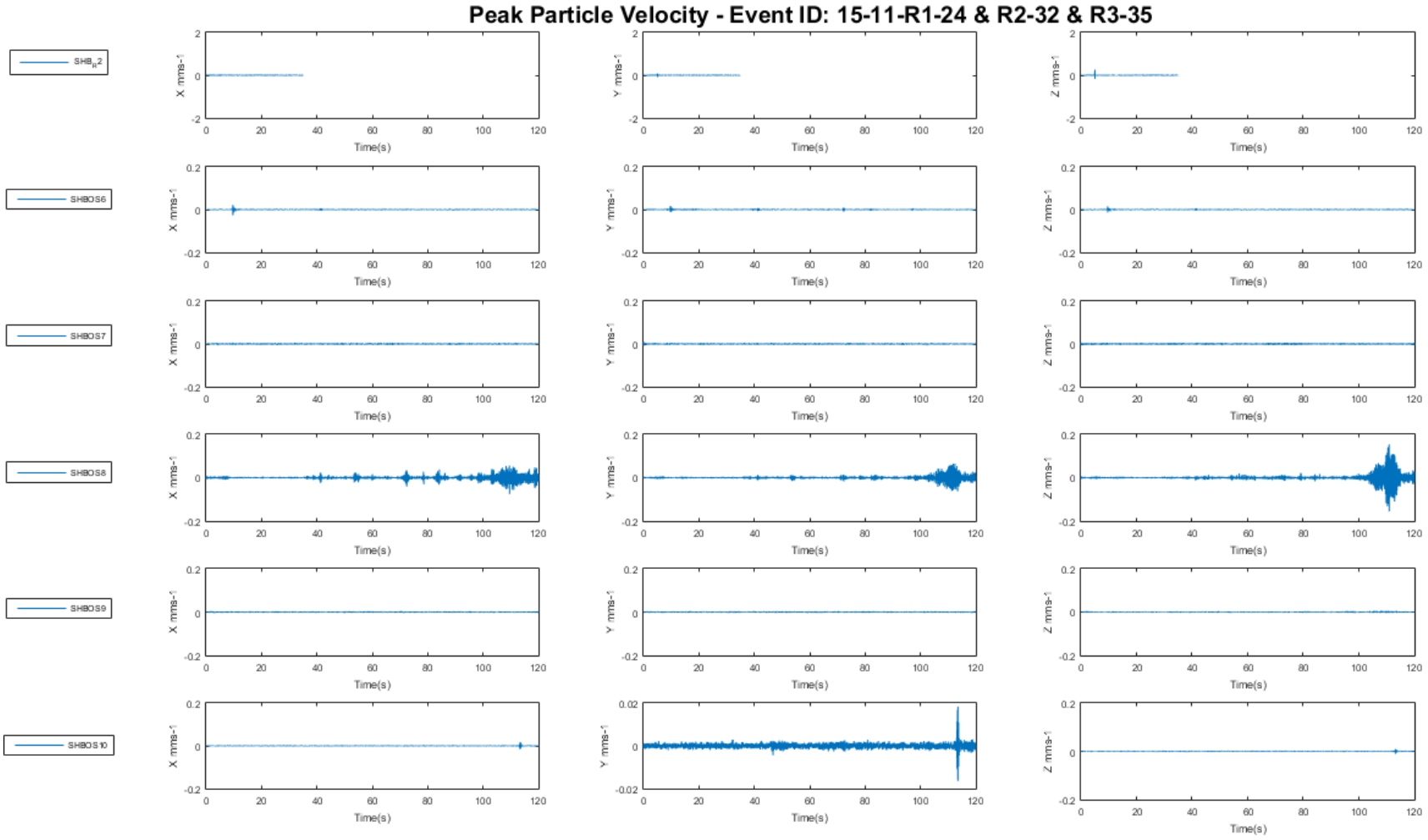


FIGURE 3.1418: SHB_OS 6 - 10 15-11-R1-24 & R2-32 & R3-35

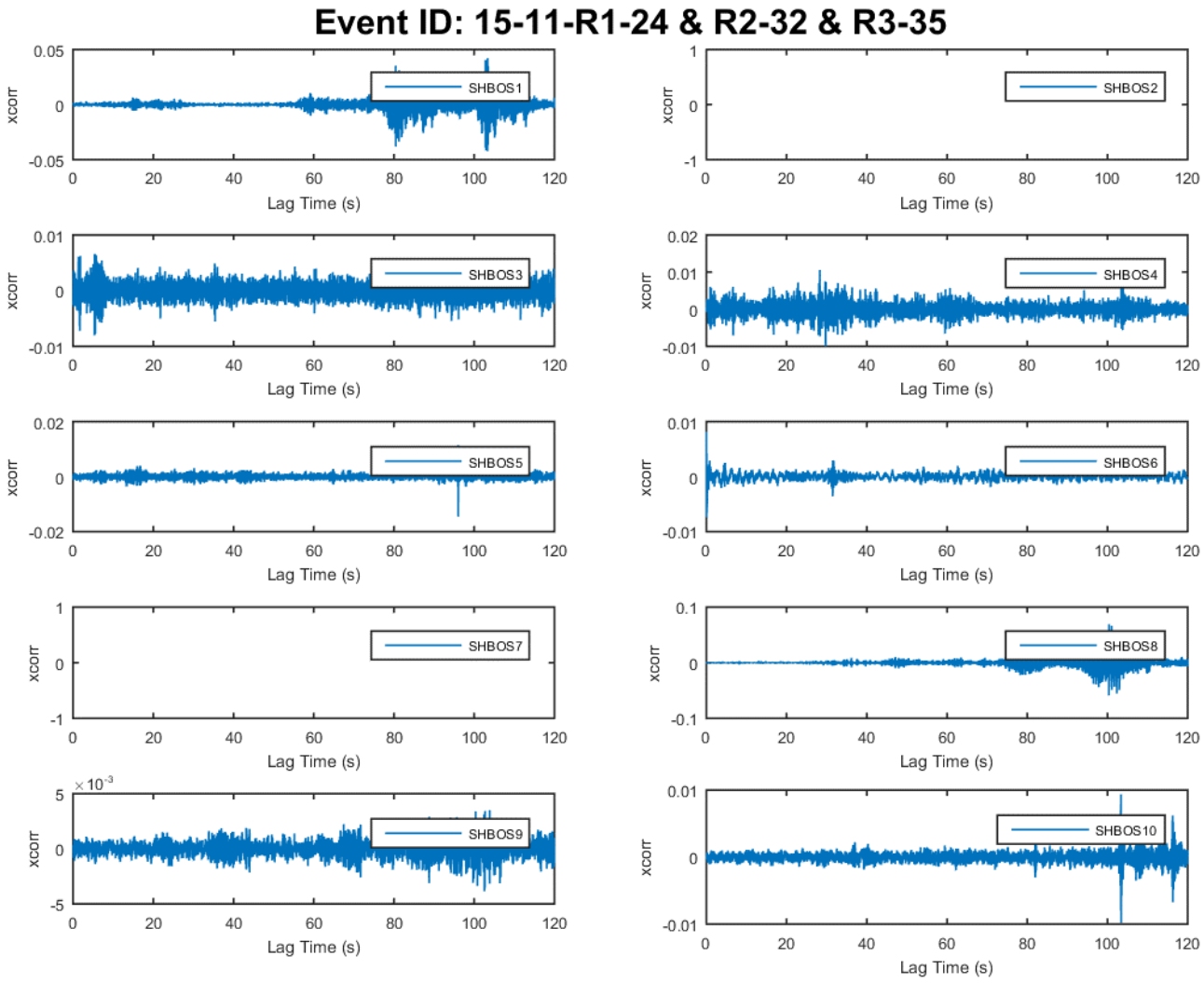


FIGURE 3.1419: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-24 & R2-32 & R3-35

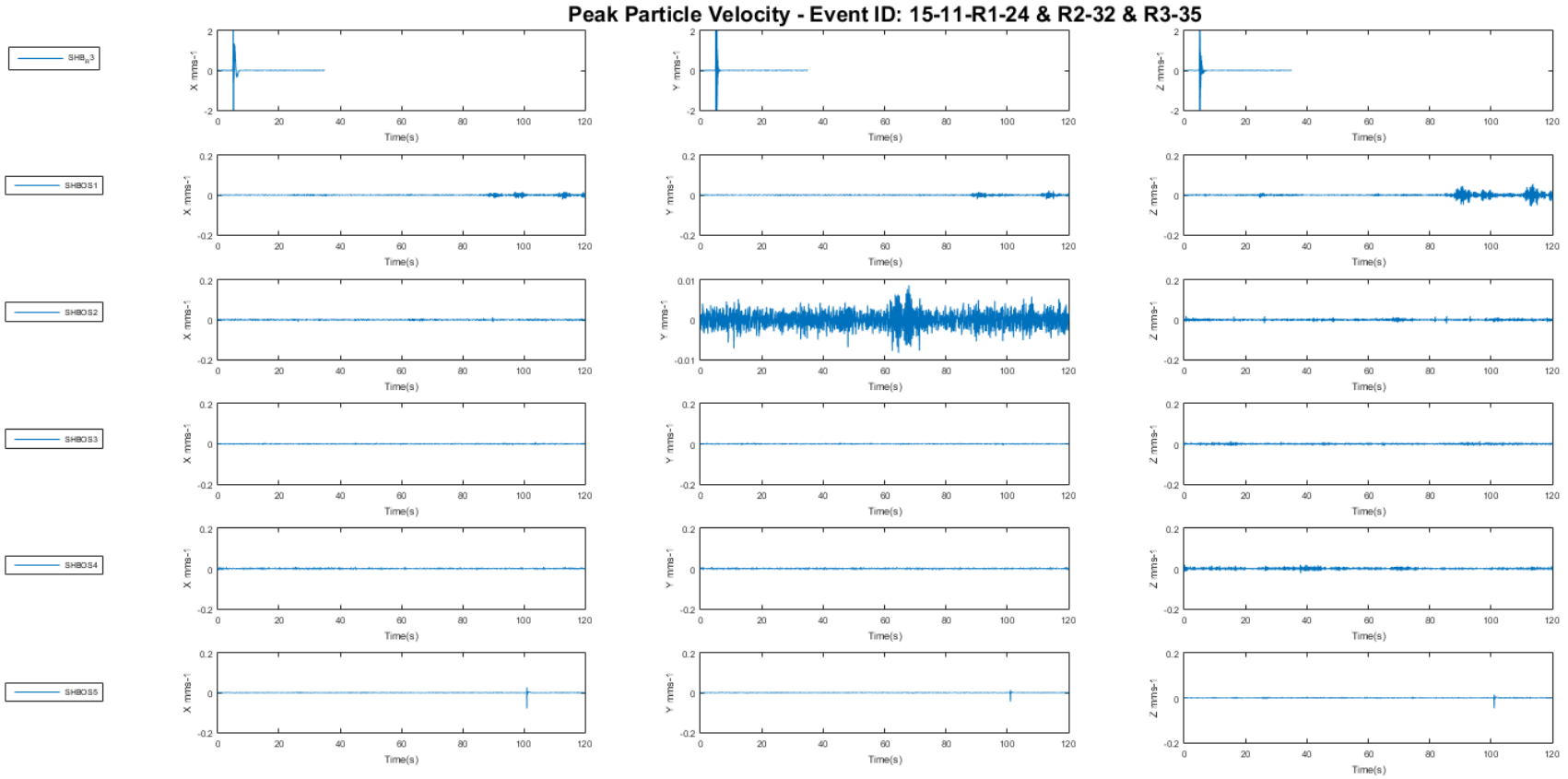


FIGURE 3.1420: SHB_OS 1 - 5 15-11-R1-24 & R2-32 & R3-35

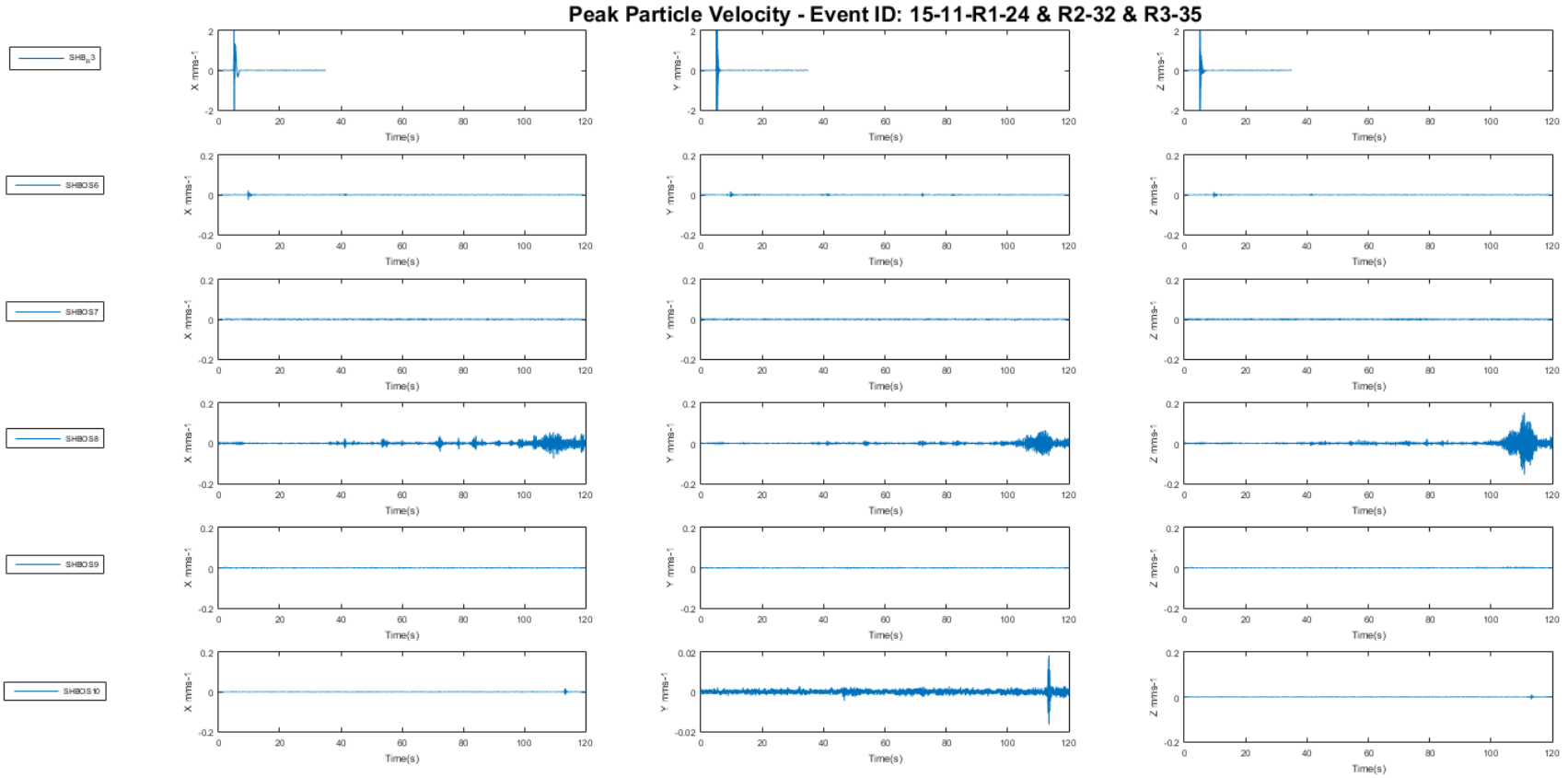


FIGURE 3.1421: SHB_OS 6 - 10 15-11-R1-24 & R2-32 & R3-35

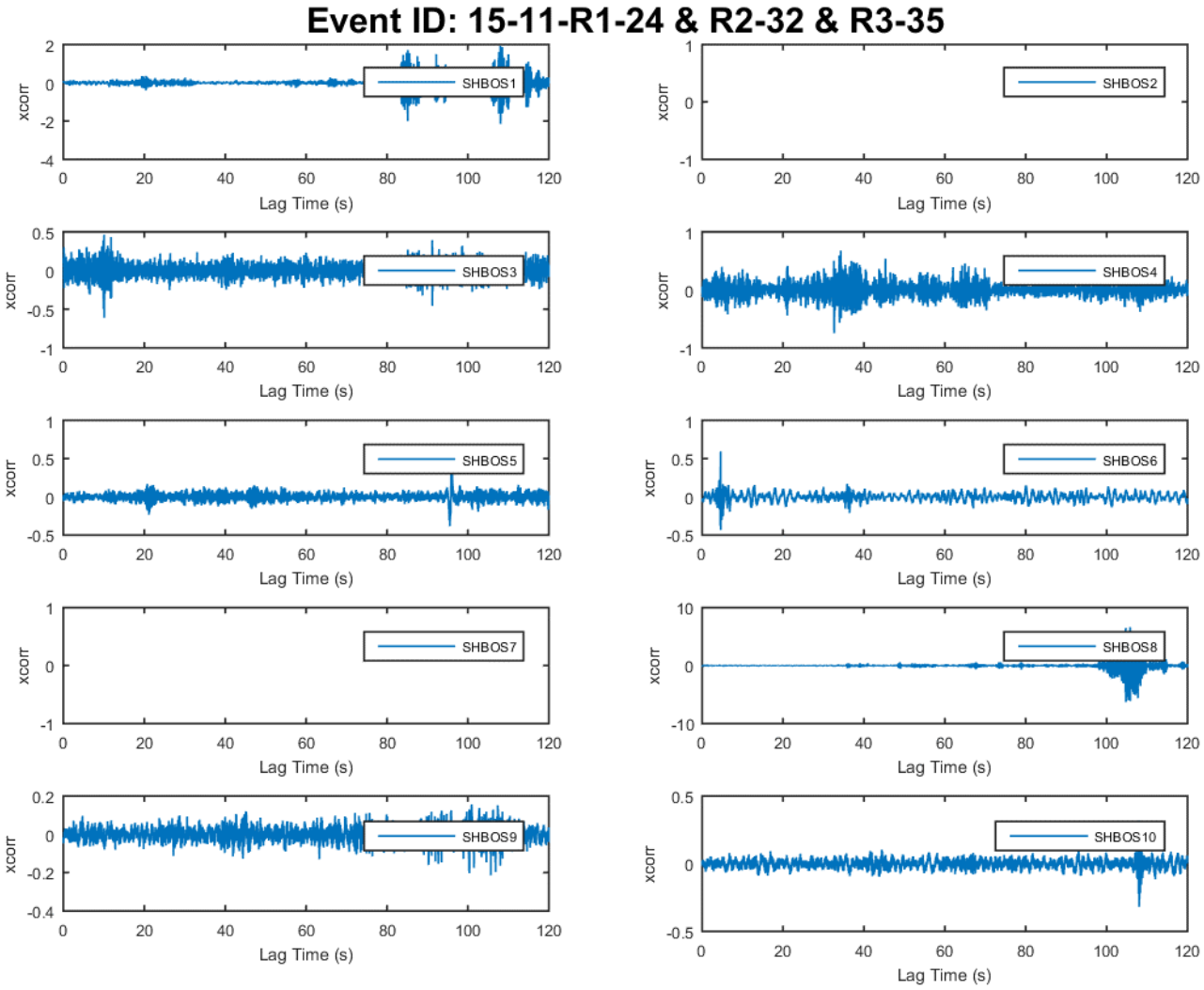


FIGURE 3.1422: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-24 & R2-32 & R3-35

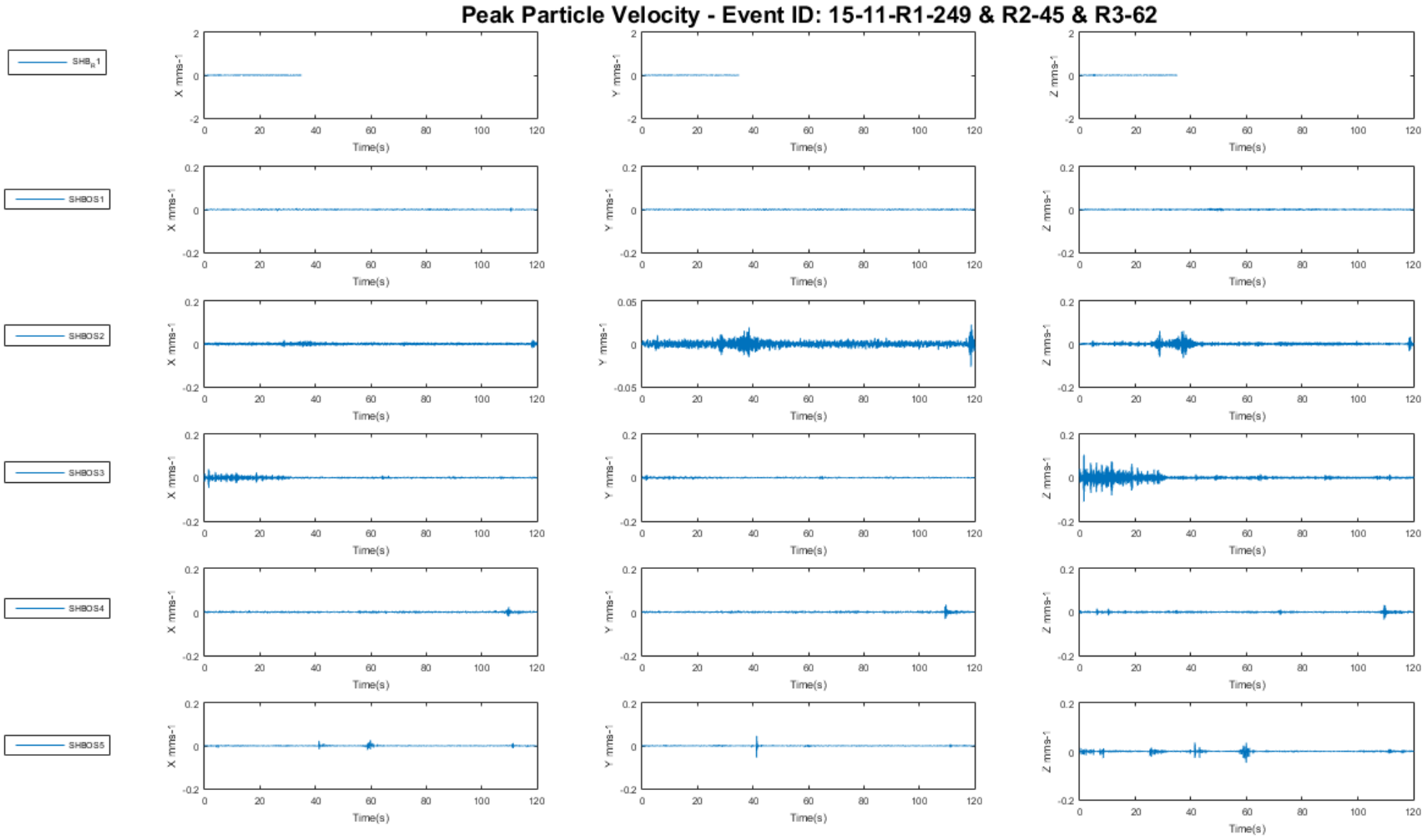


FIGURE 3.1423: SHB_OS 1 - 5 15-11-R1-249 & R2-45 & R3-62

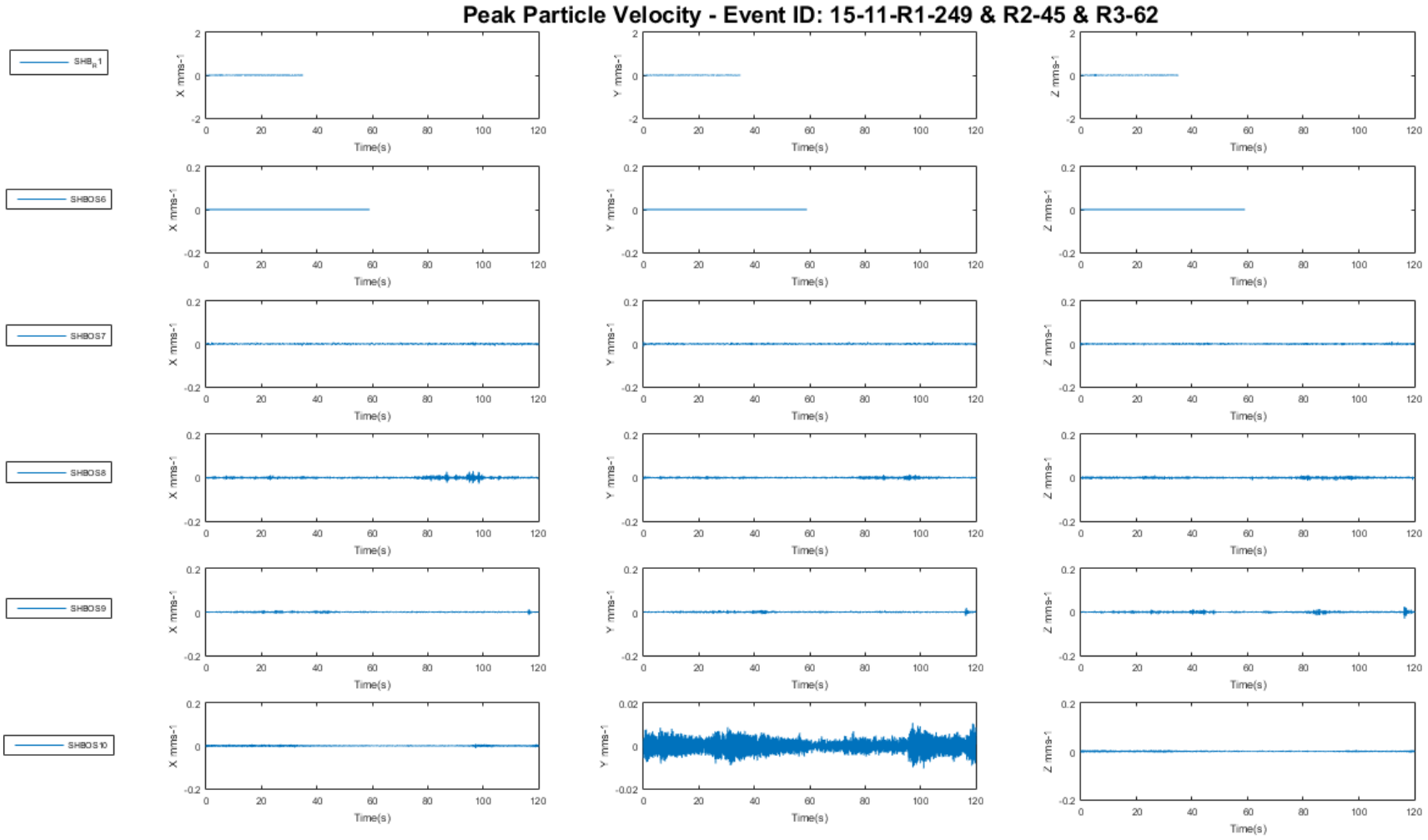


FIGURE 3.1424: SHB_OS 6 - 10 15-11-R1-249 & R2-45 & R3-62

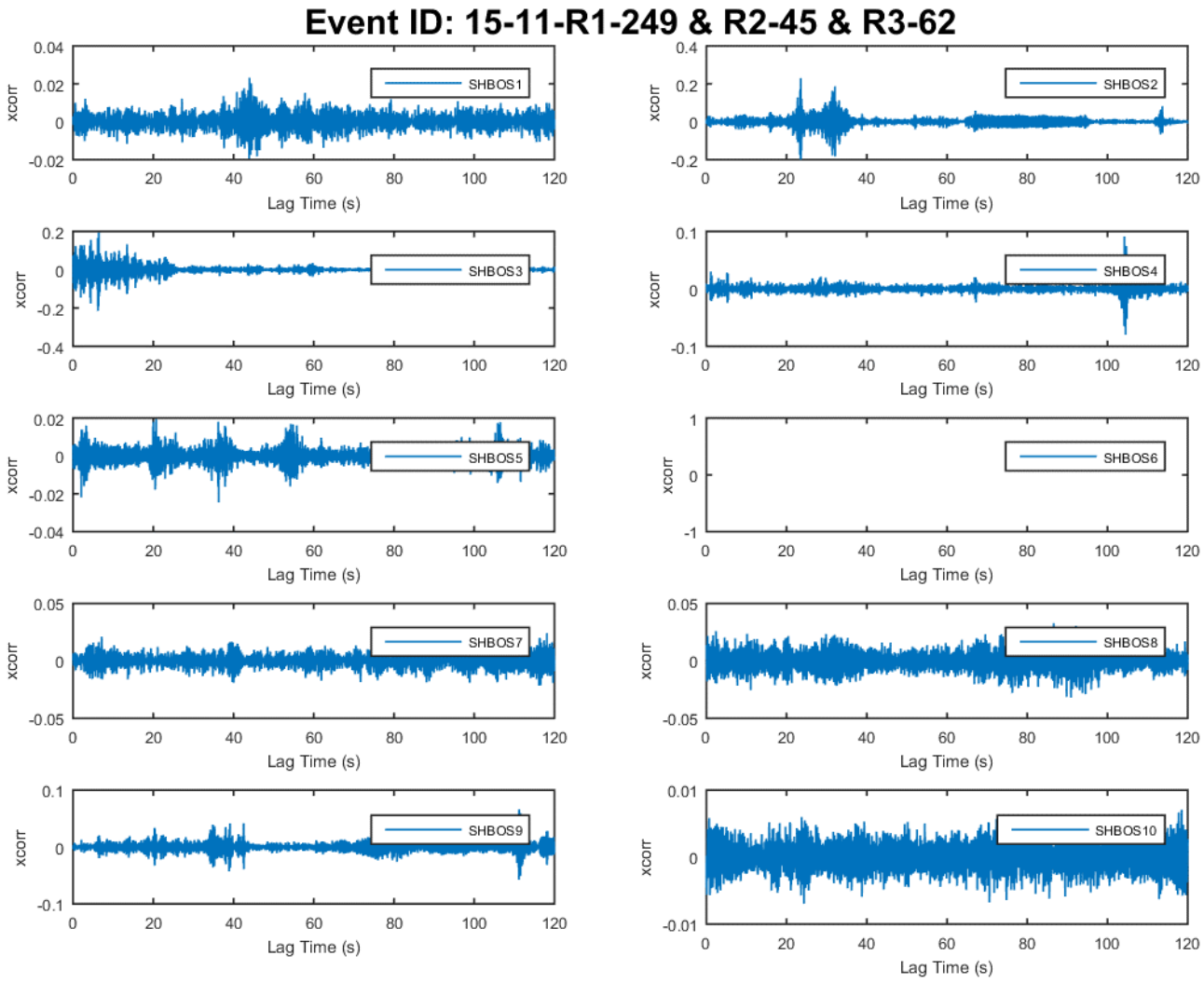


FIGURE 3.1425: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-249 & R2-45 & R3-62

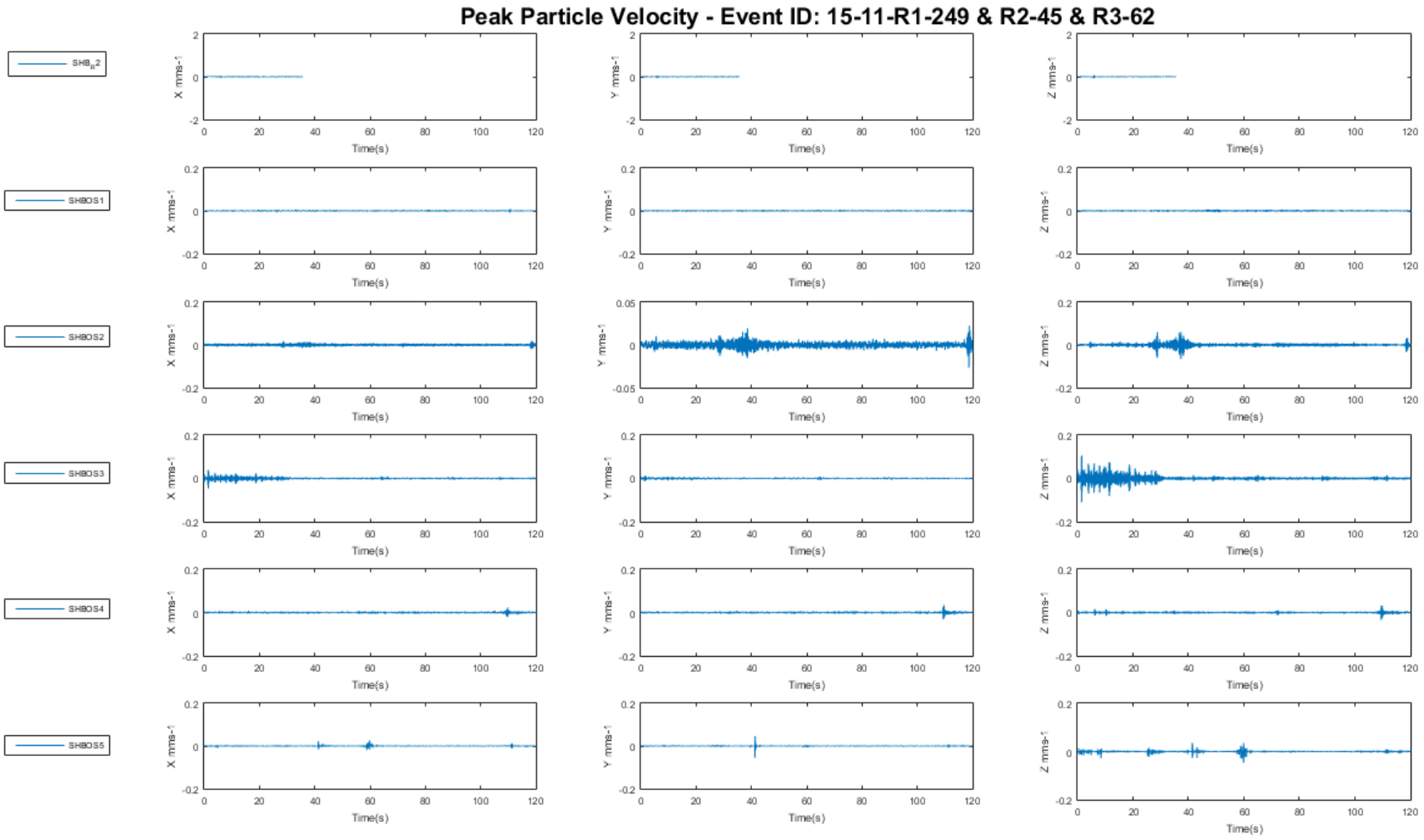


FIGURE 3.1426: SHB_OS 1 - 5 15-11-R1-249 & R2-45 & R3-62

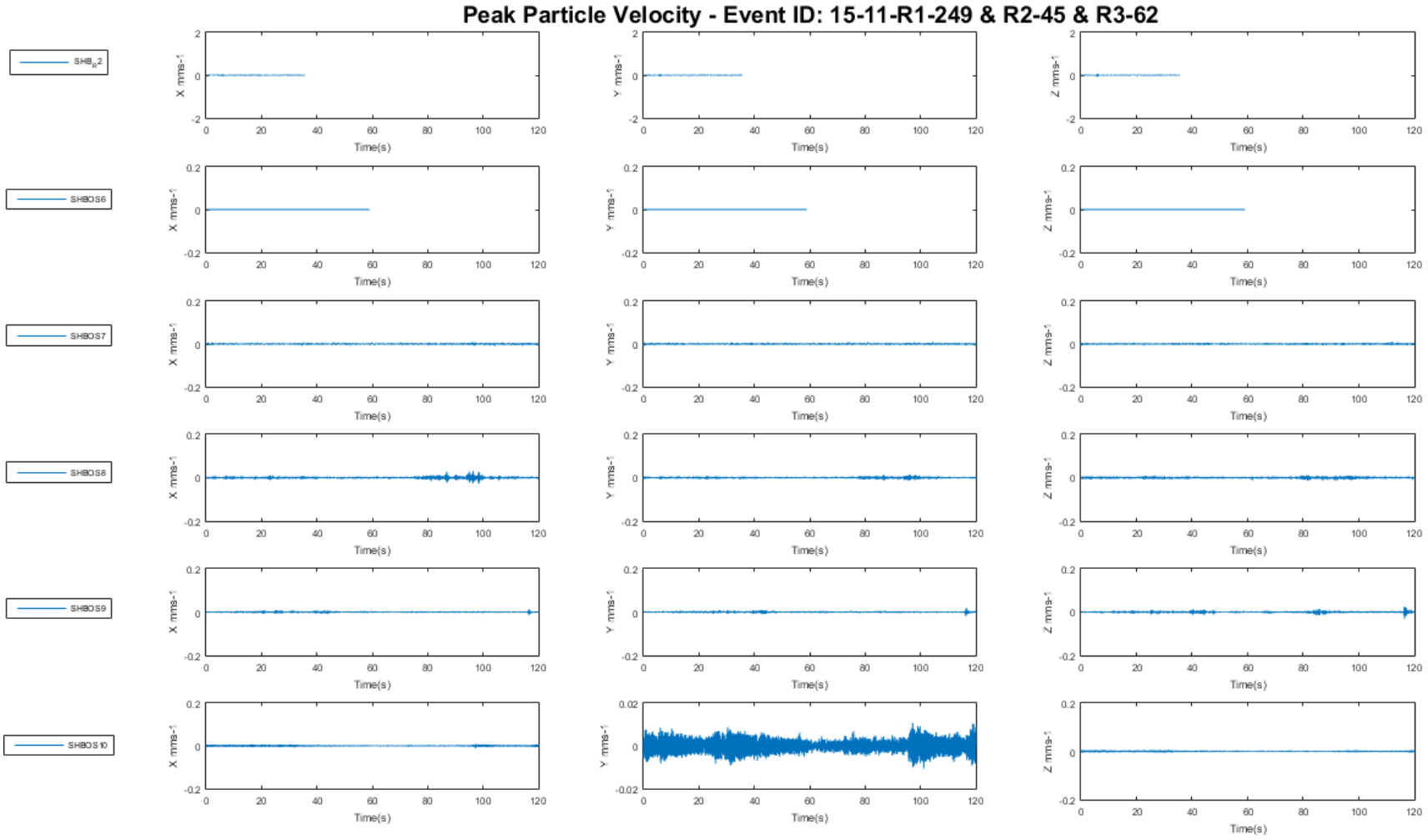


FIGURE 3.1427: SHB_OS 6 - 10 15-11-R1-249 & R2-45 & R3-62

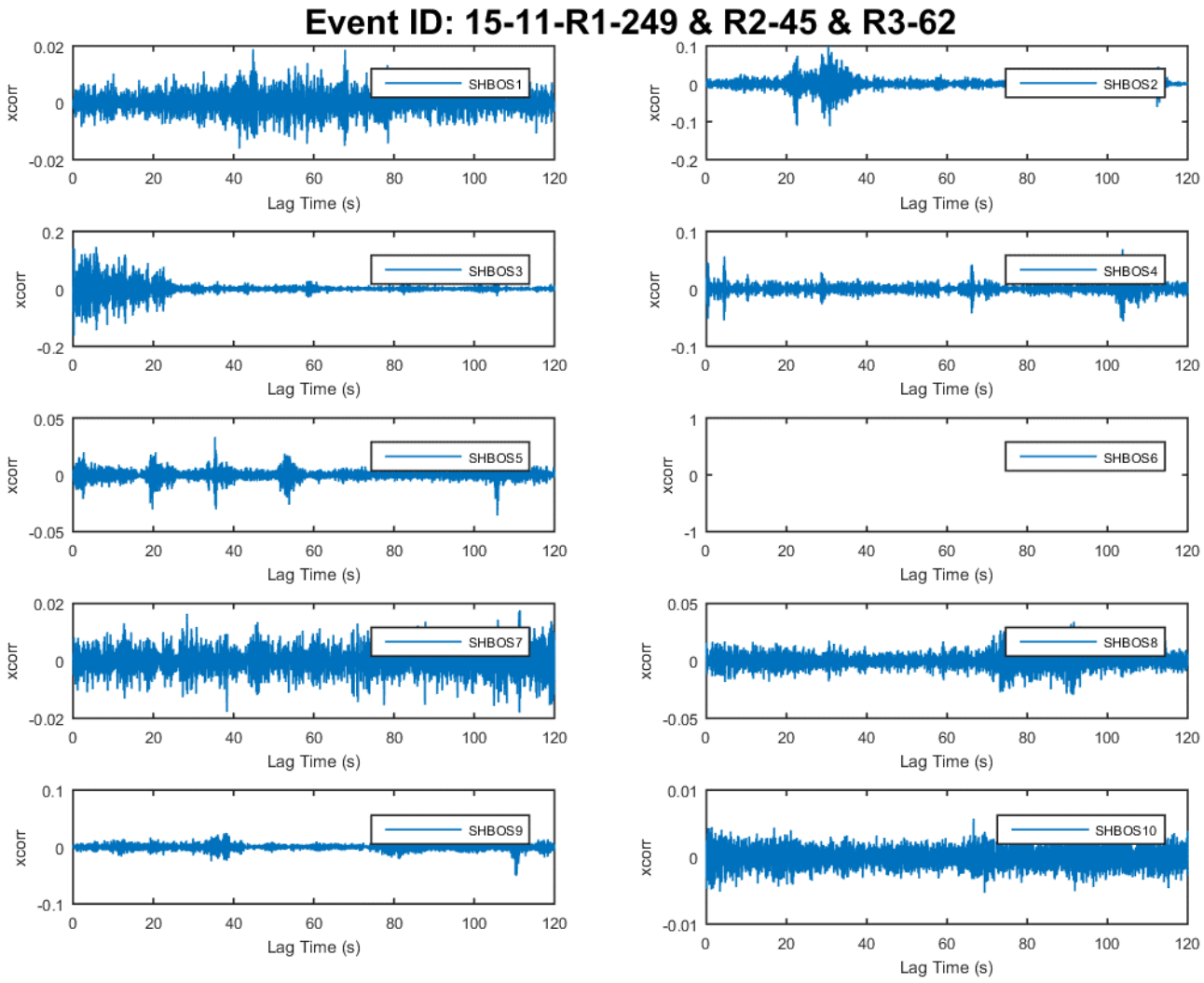


FIGURE 3.1428: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-249 & R2-45 & R3-62

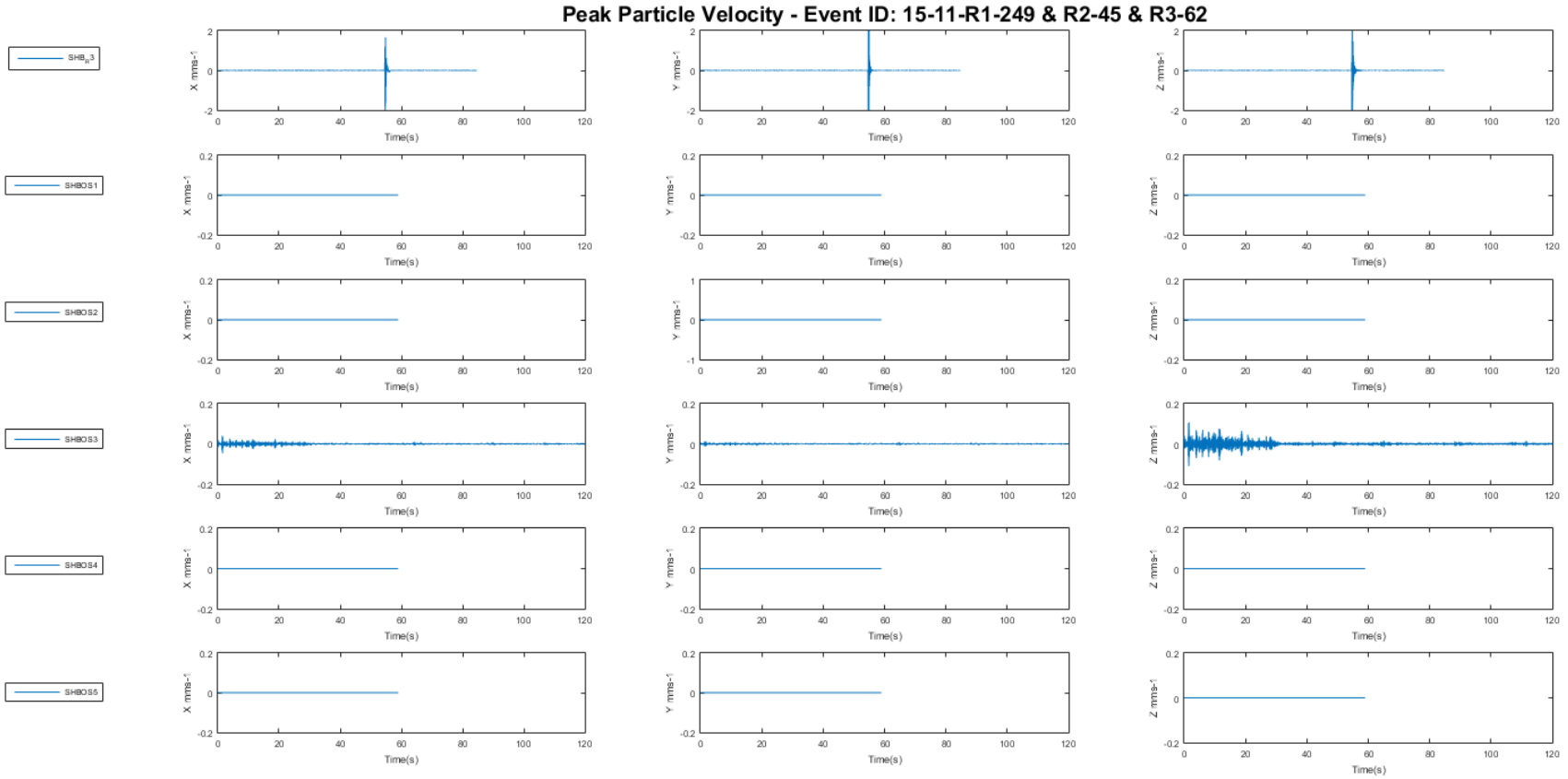


FIGURE 3.1429: SHB_OS 1 - 5 15-11-R1-249 & R2-45 & R3-62

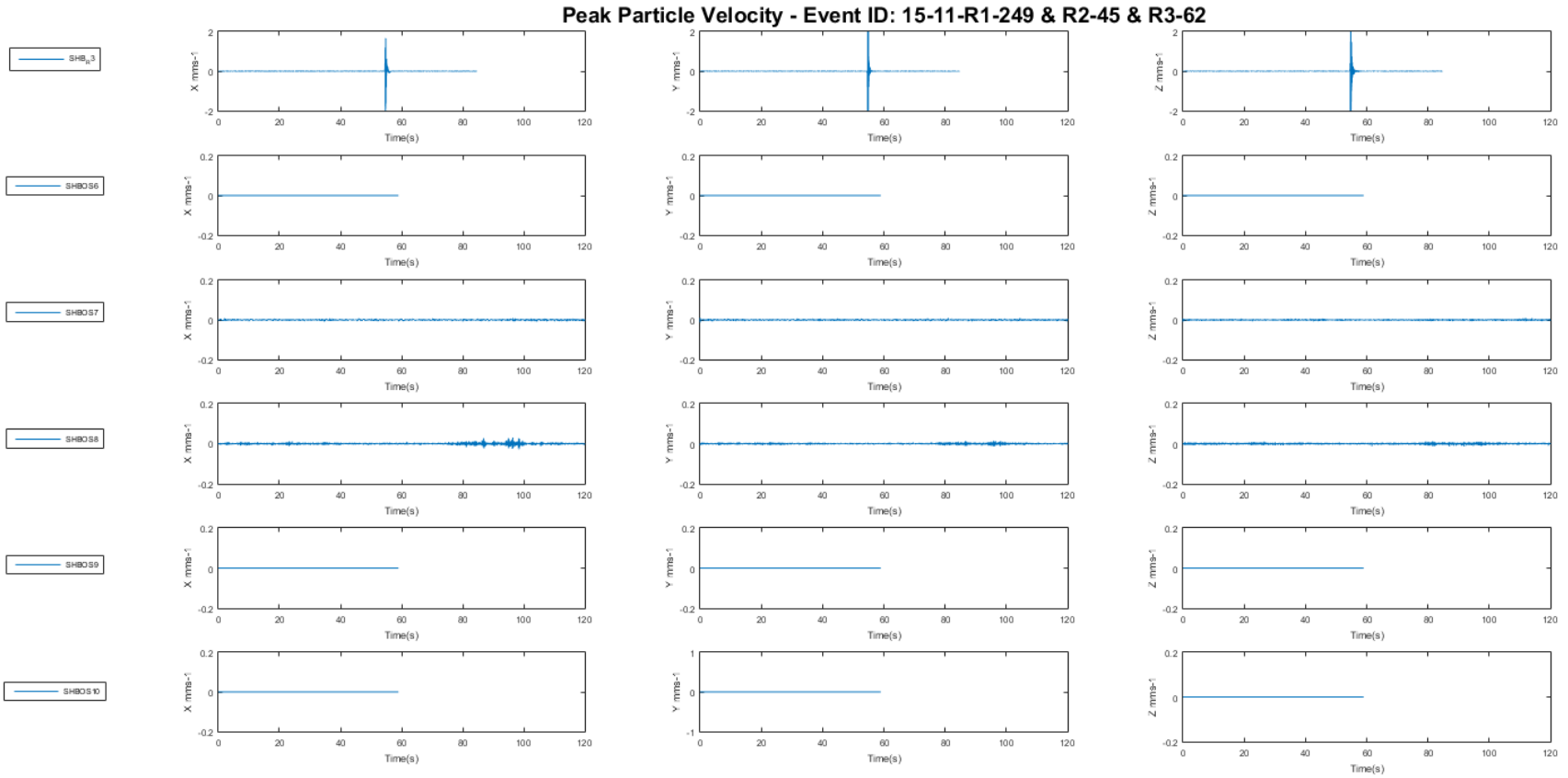


FIGURE 3.1430: SHB_OS 6 - 10 15-11-R1-249 & R2-45 & R3-62

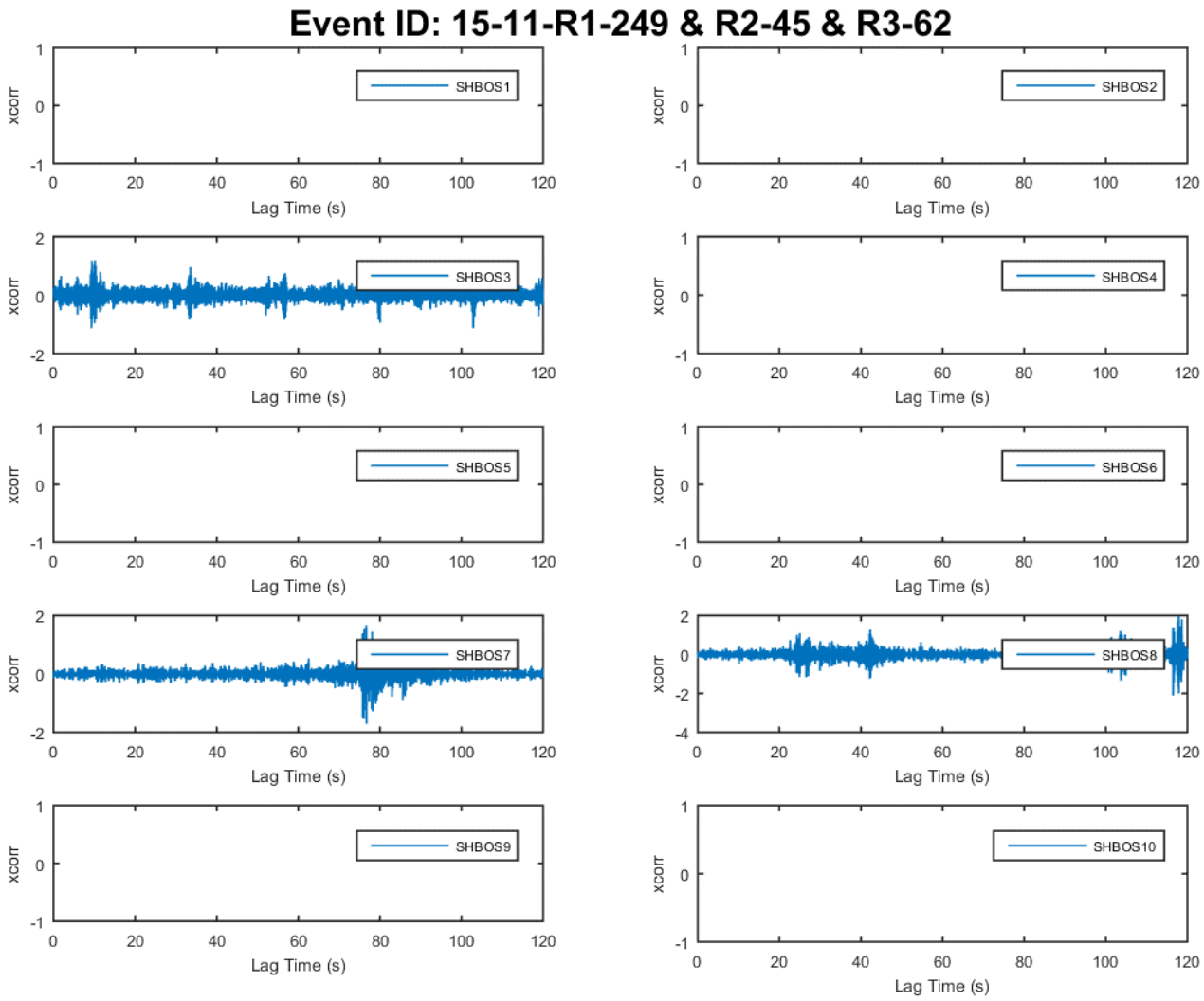


FIGURE 3.1431: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-249 & R2-45 & R3-62

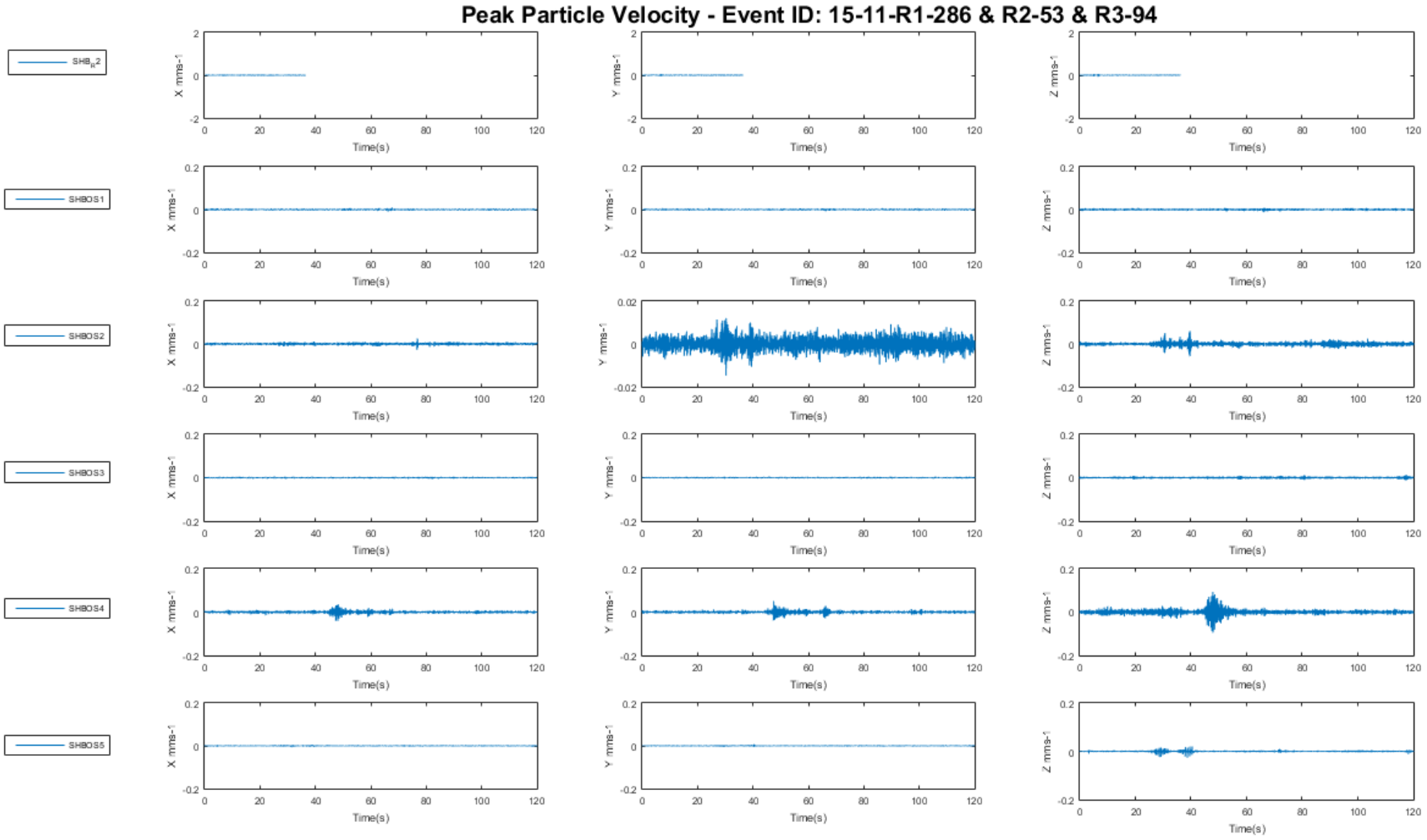


FIGURE 3.1432: SHB_OS 1 - 5 15-11-R1-286 & R2-53 & R3-94

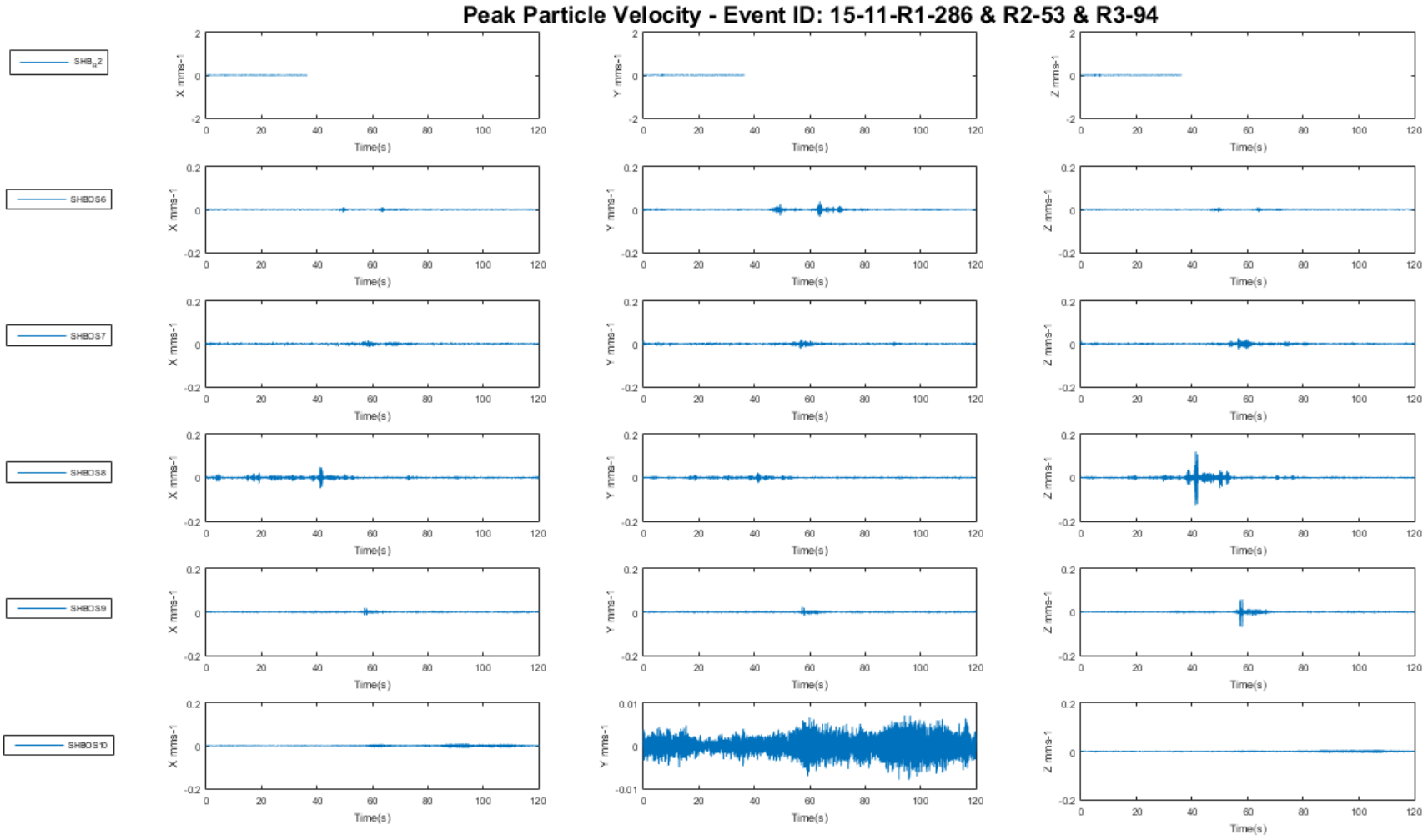


FIGURE 3.1433: SHB_OS 6 - 10 15-11-R1-286 & R2-53 & R3-94

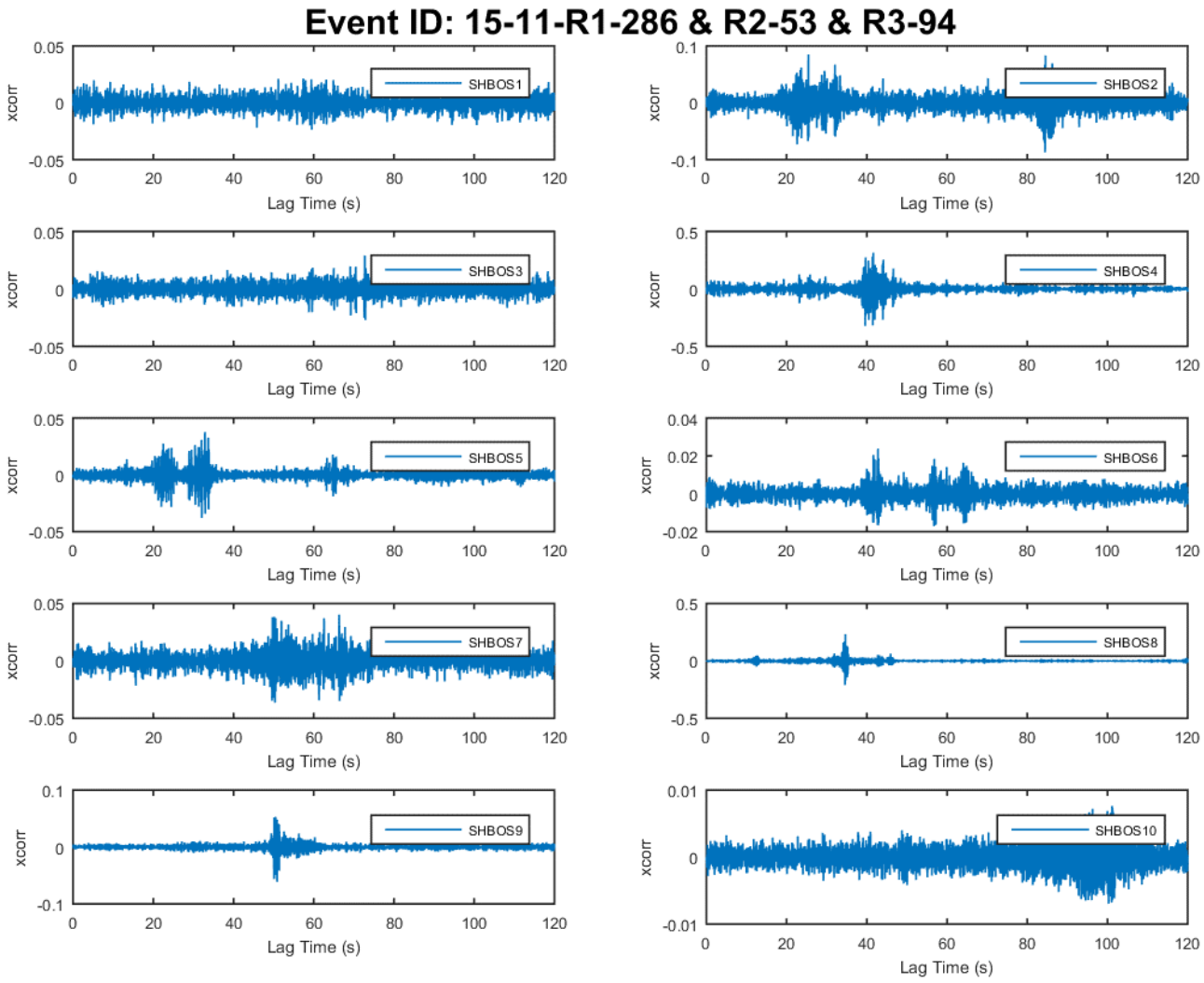


FIGURE 3.1434: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-286 & R2-53 & R3-94

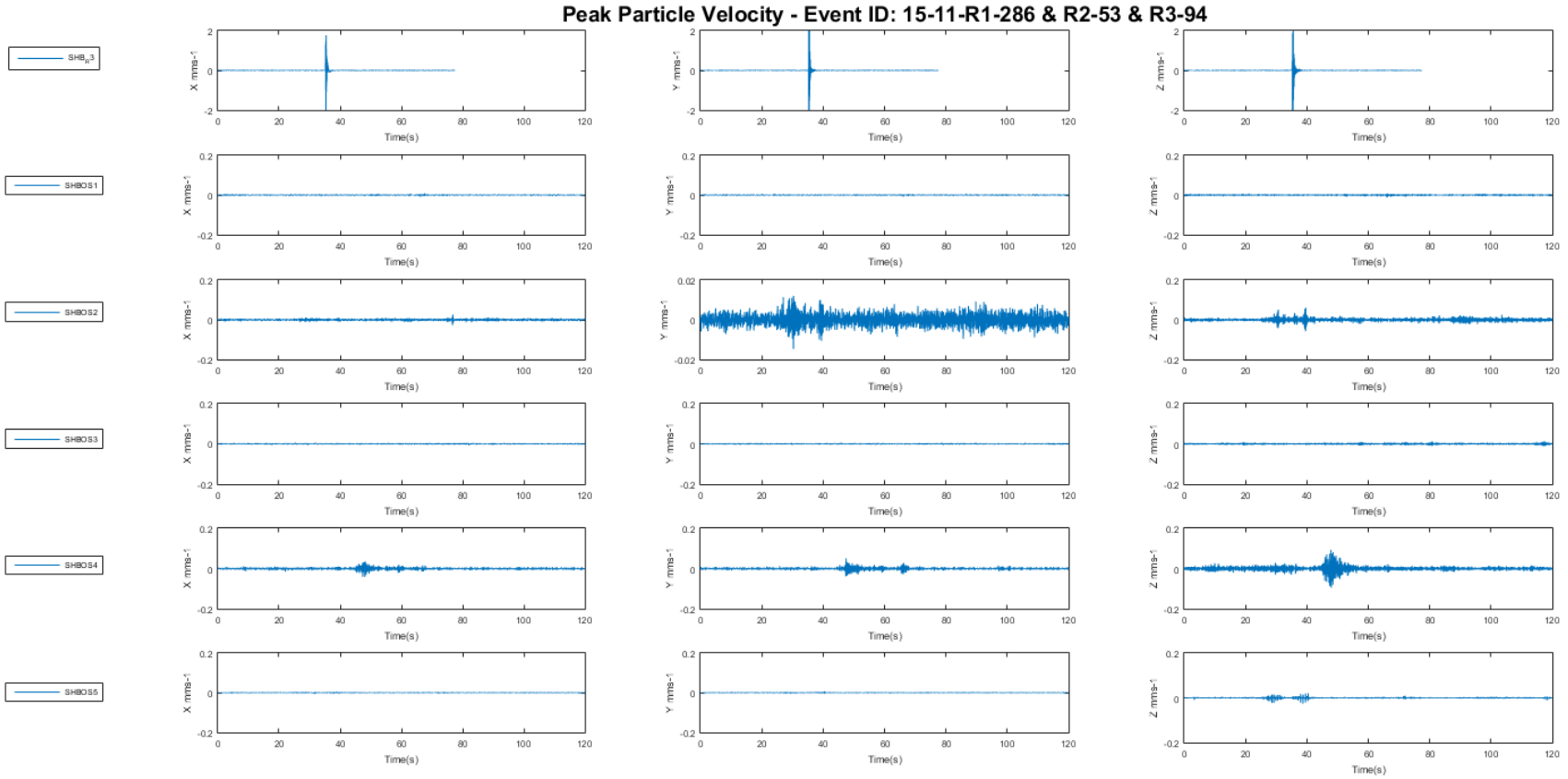


FIGURE 3.1435: SHB_OS 1 - 5 15-11-R1-286 & R2-53 & R3-94

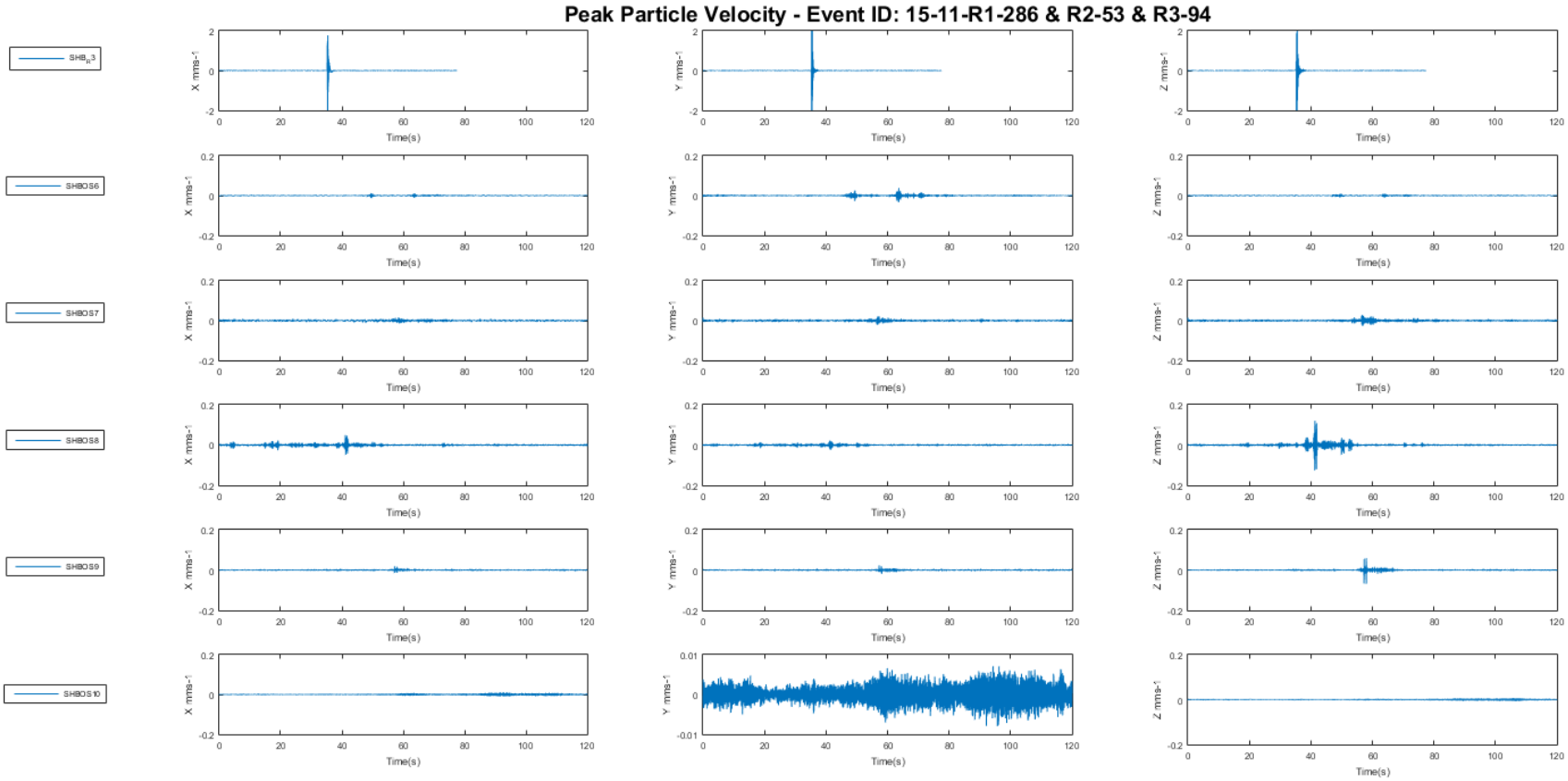


FIGURE 3.1436: SHB_OS 6 - 10 15-11-R1-286 & R2-53 & R3-94

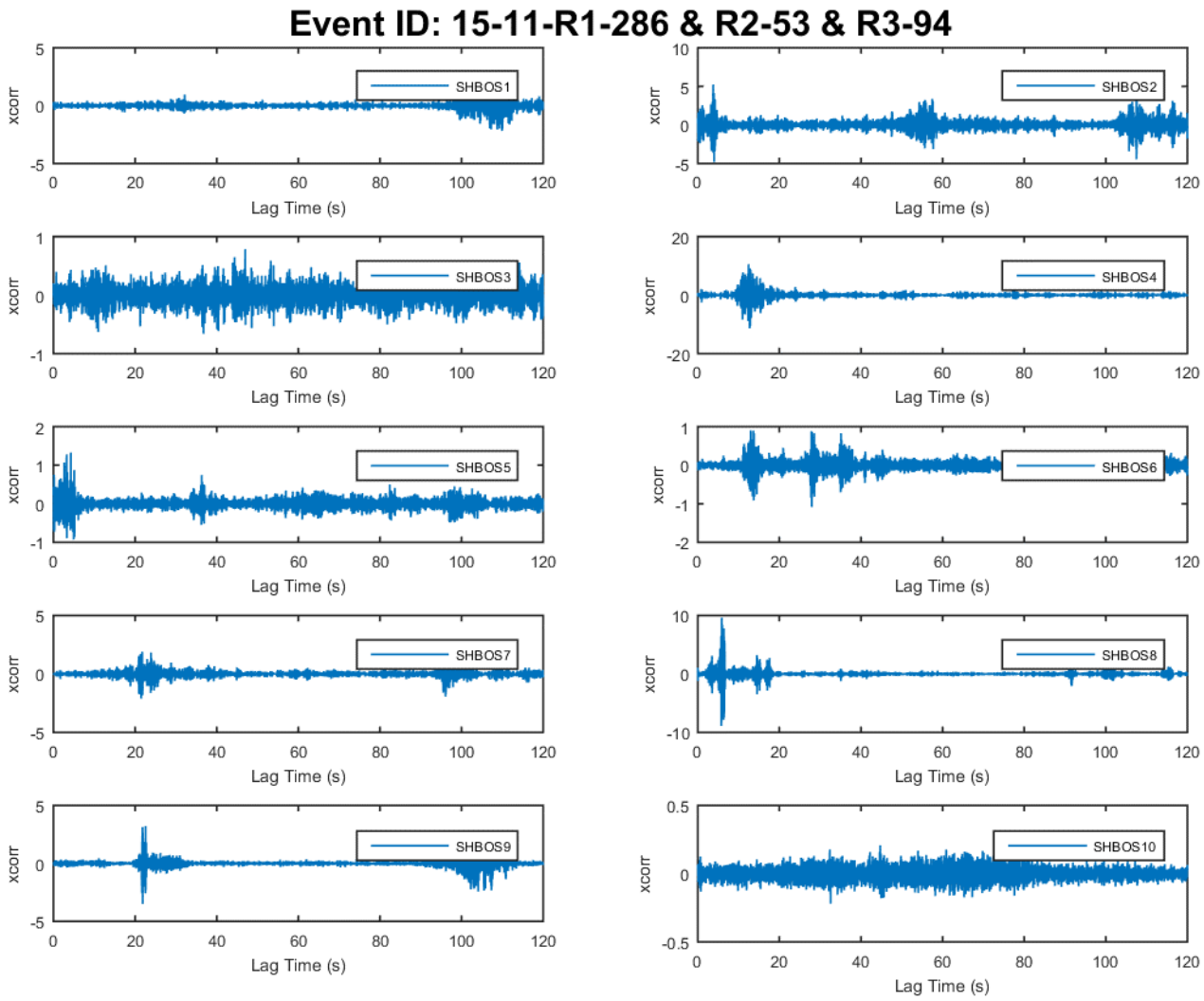


FIGURE 3.1437: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-286 & R2-53 & R3-94

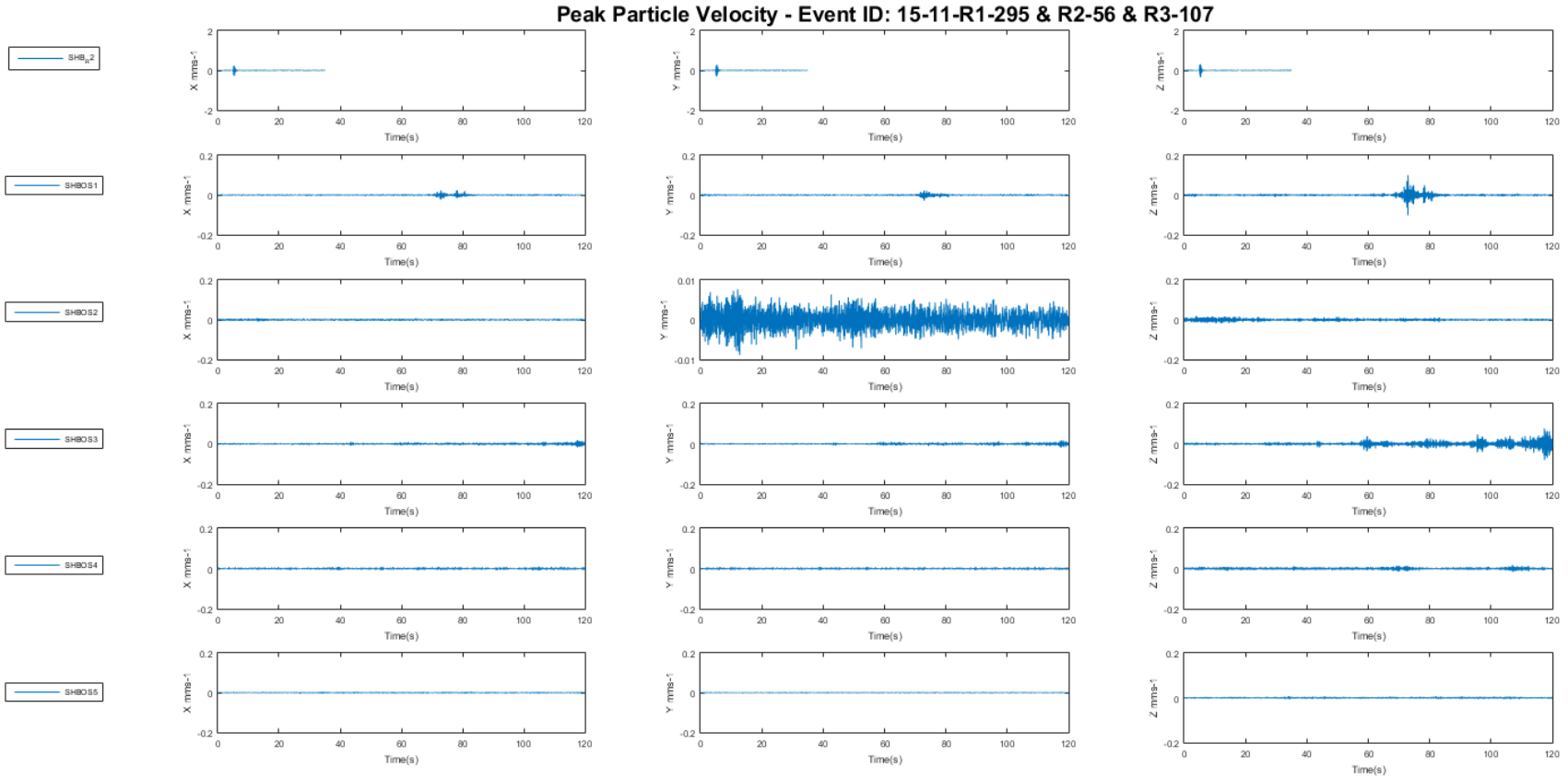


FIGURE 3.1438: SHB_OS 1 - 5 15-11-R1-295 & R2-56 & R3-107

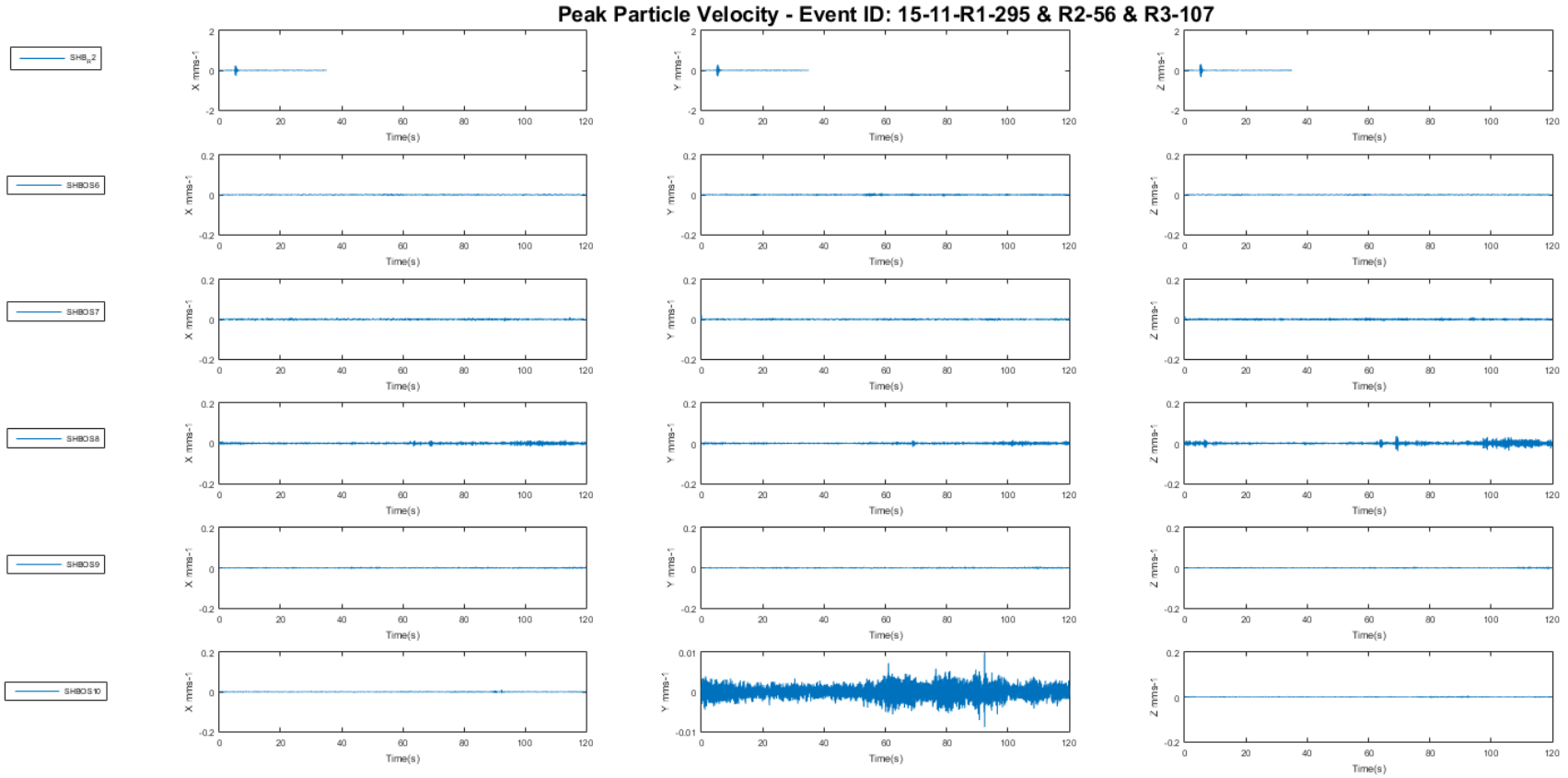


FIGURE 3.1439: SHB_OS 6 - 10 15-11-R1-295 & R2-56 & R3-107

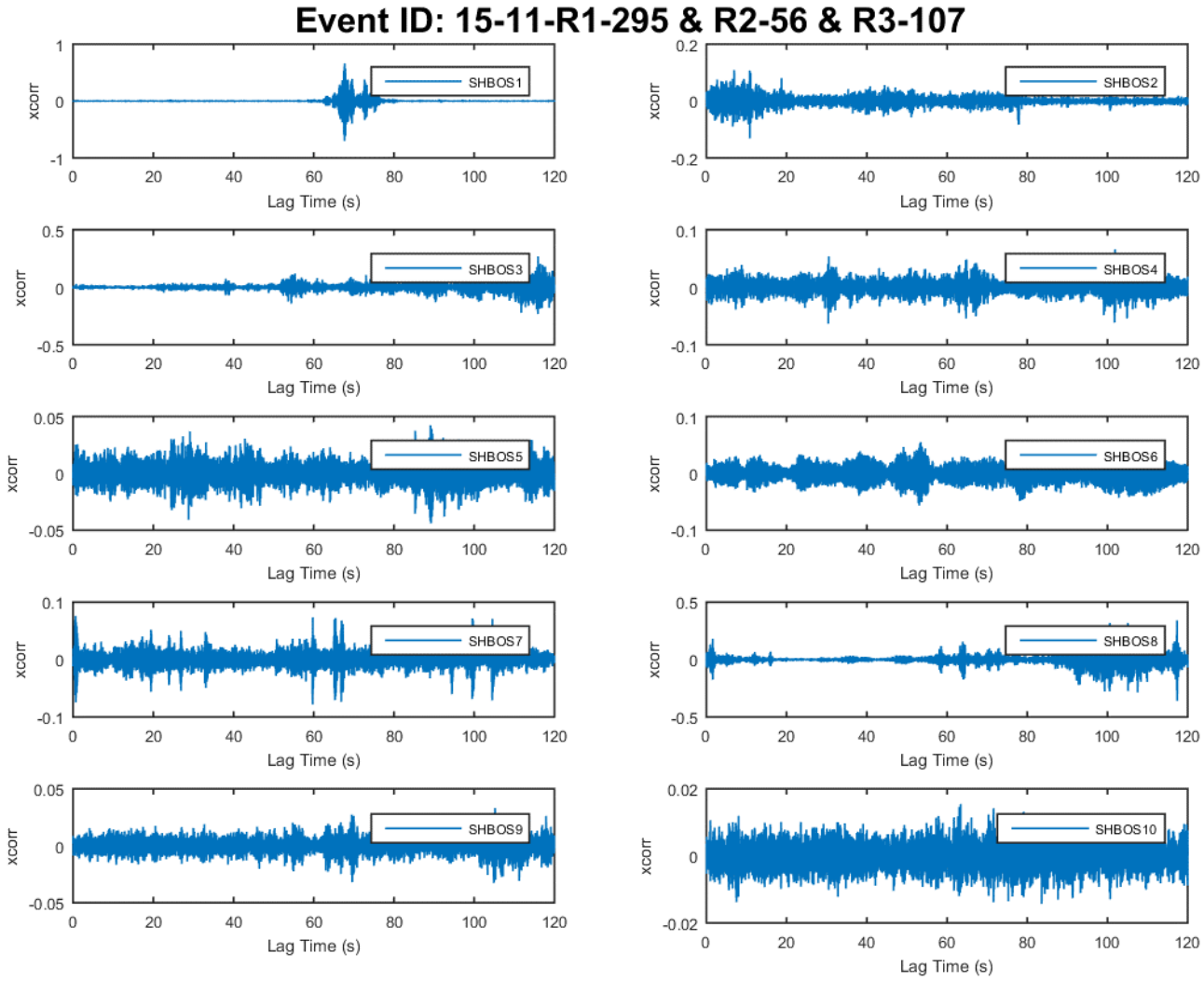


FIGURE 3.1440: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-295 & R2-56 & R3-107

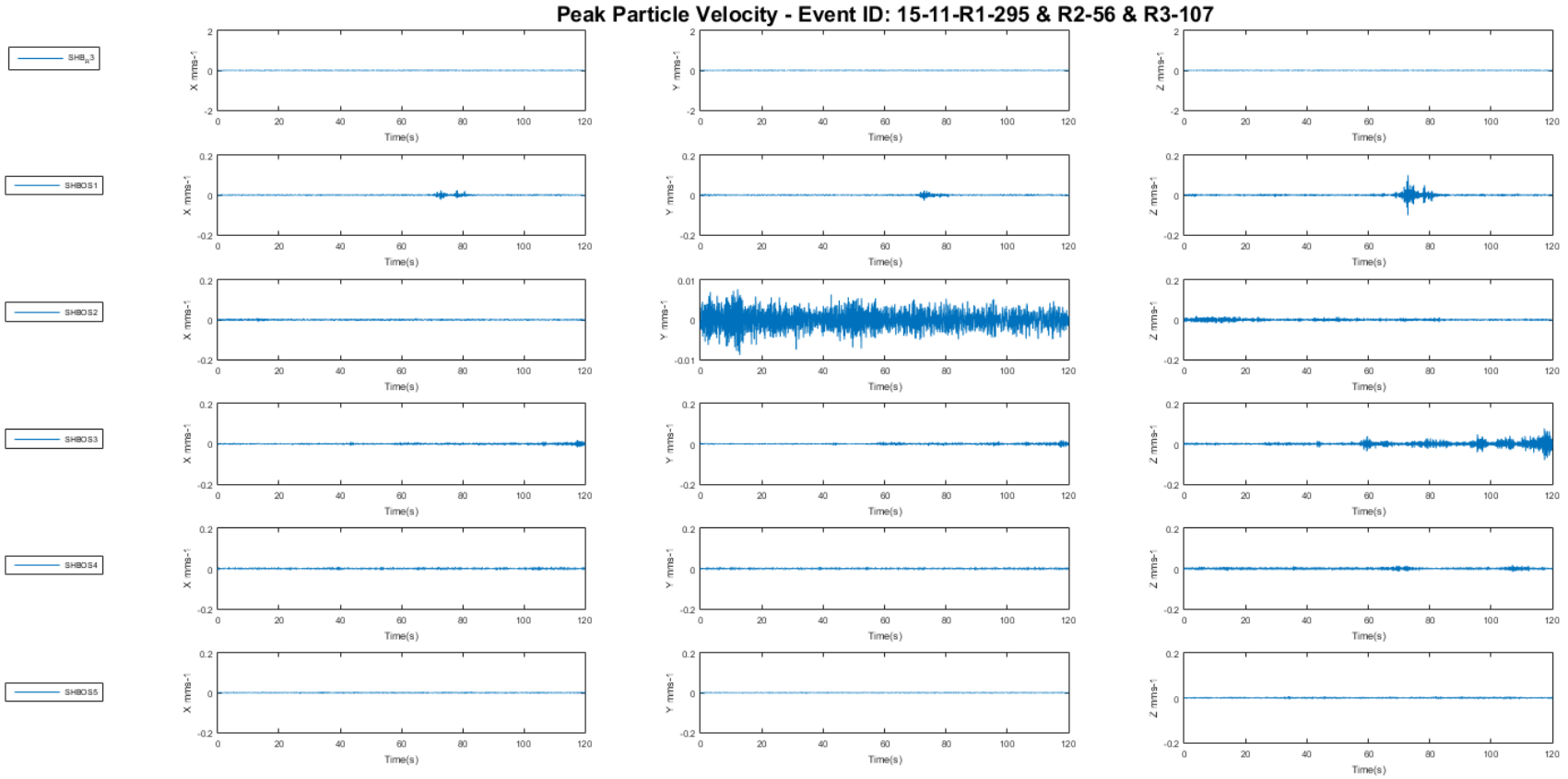


FIGURE 3.1441: SHB_OS 1 - 5 15-11-R1-295 & R2-56 & R3-107

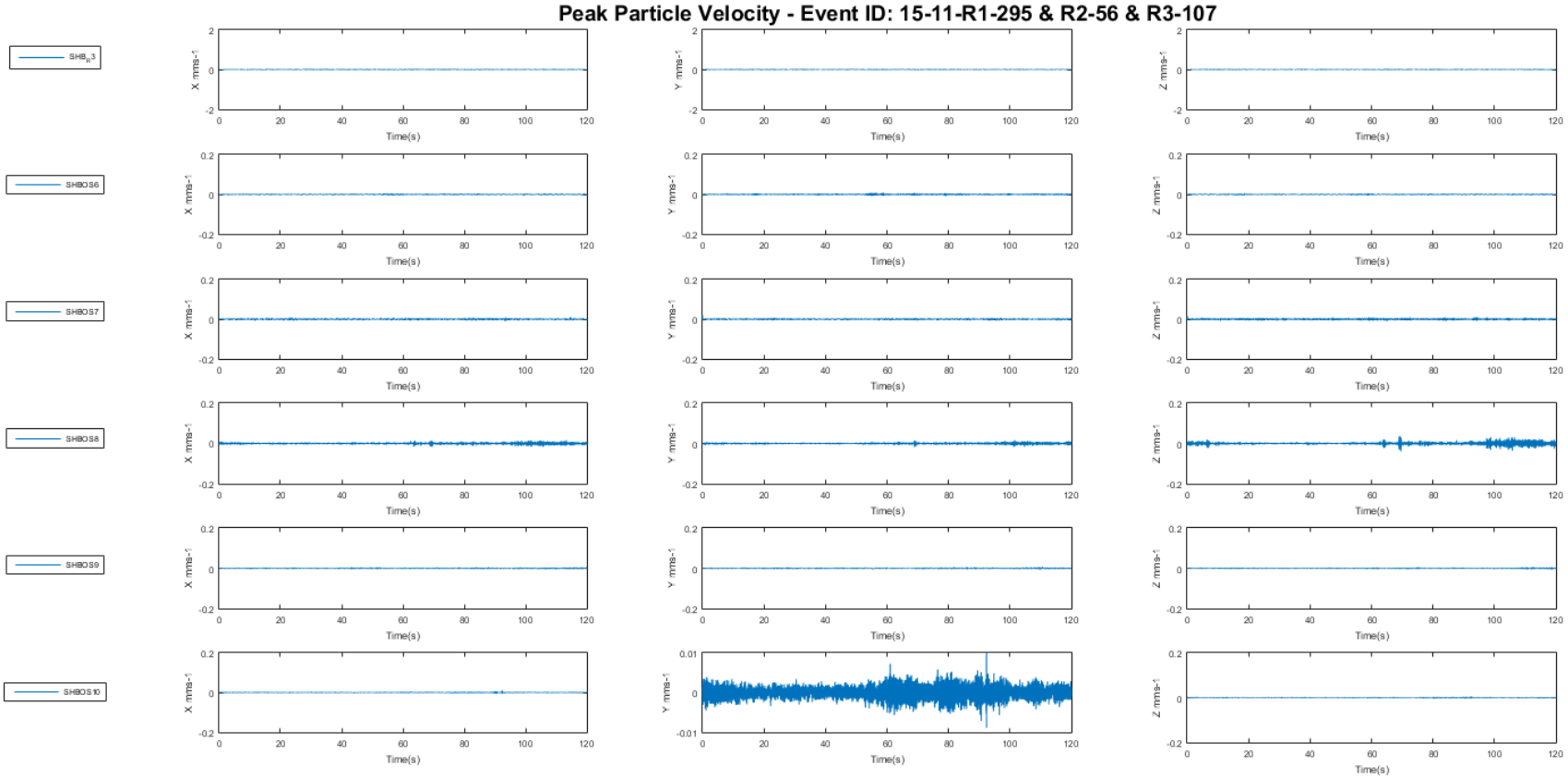


FIGURE 3.1442: SHB_OS 6 - 10 15-11-R1-295 & R2-56 & R3-107

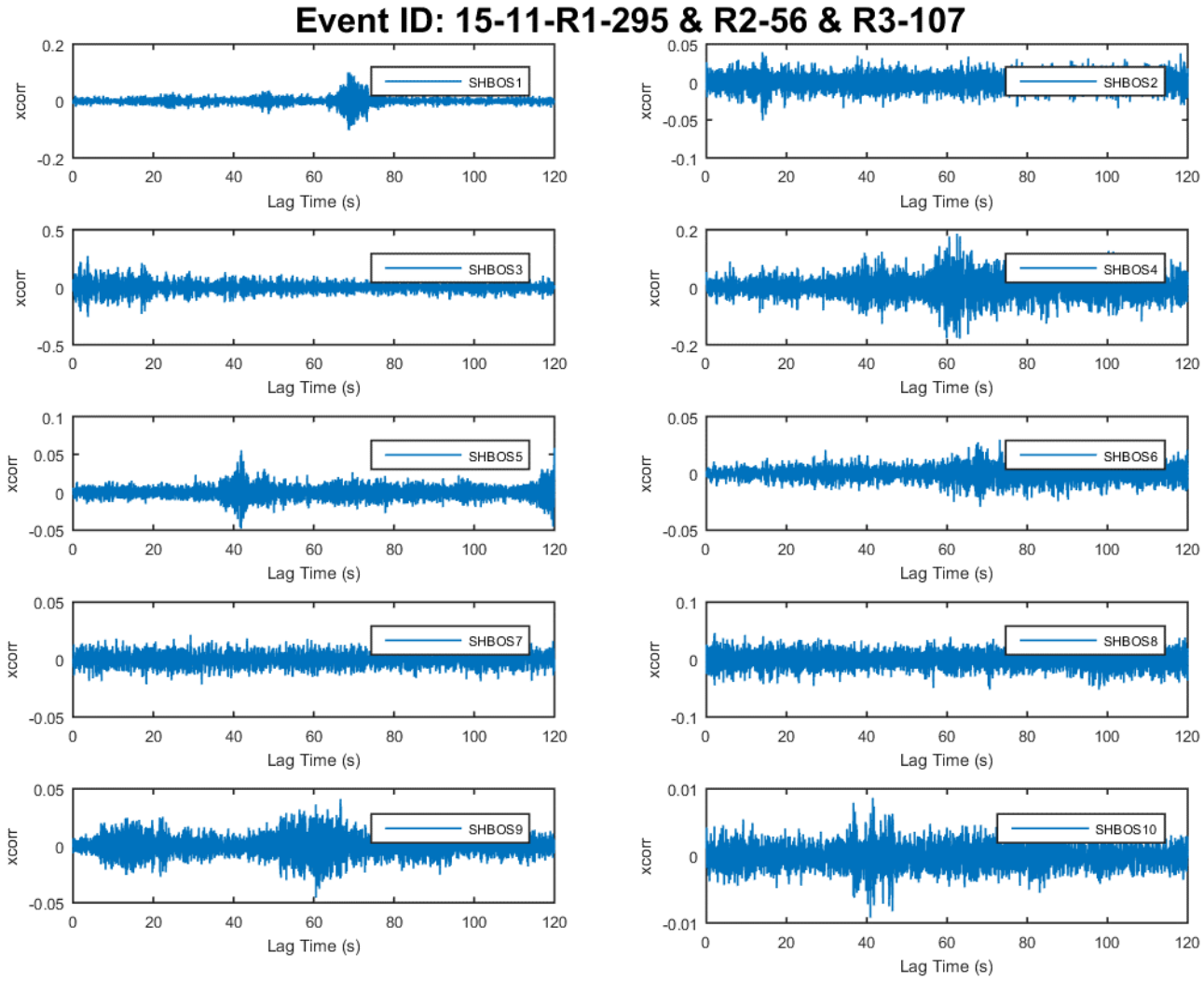


FIGURE 3.1443: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-295 & R2-56 & R3-107

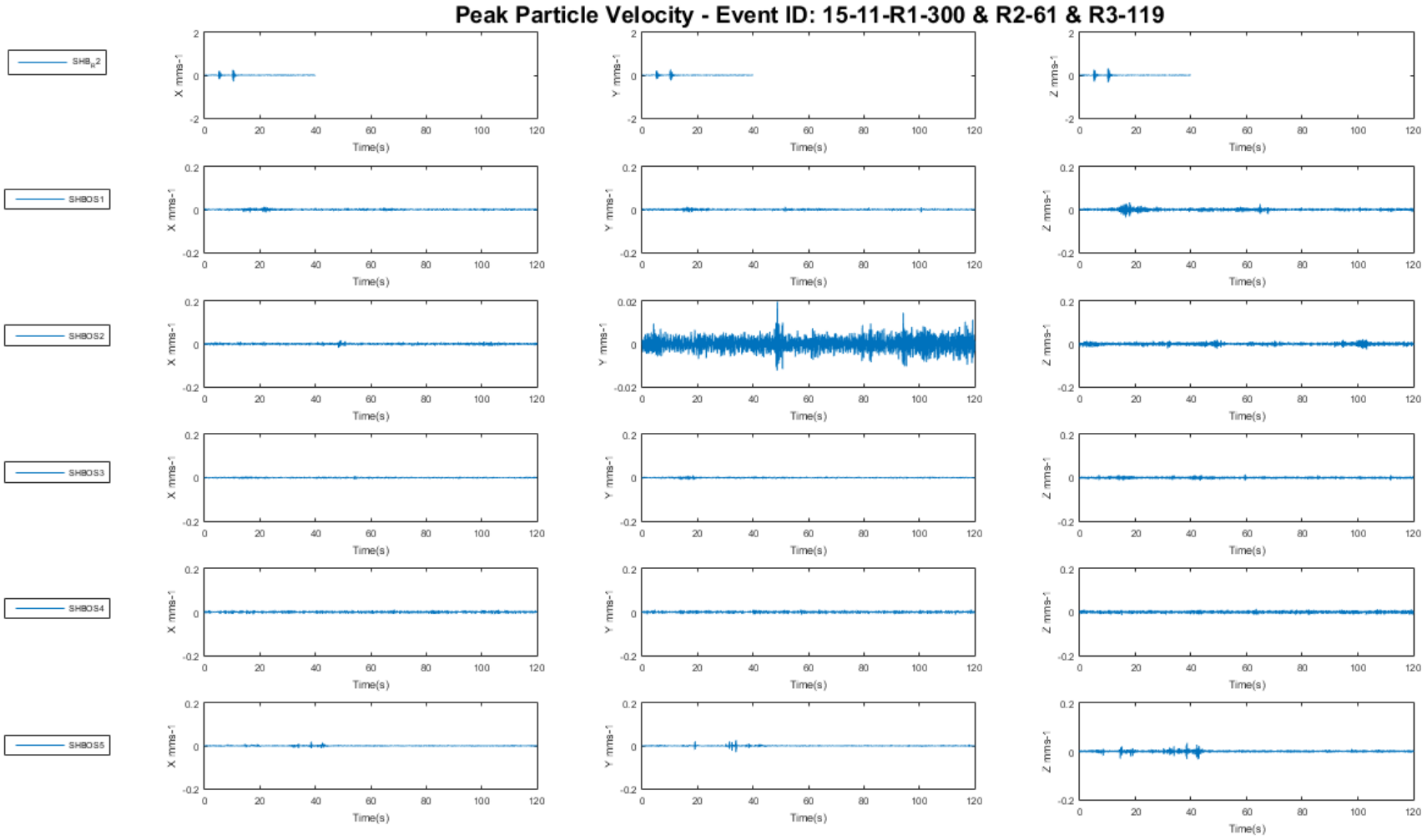


FIGURE 3.1444: SHB_OS 1 - 5 15-11-R1-300 & R2-61 & R3-119

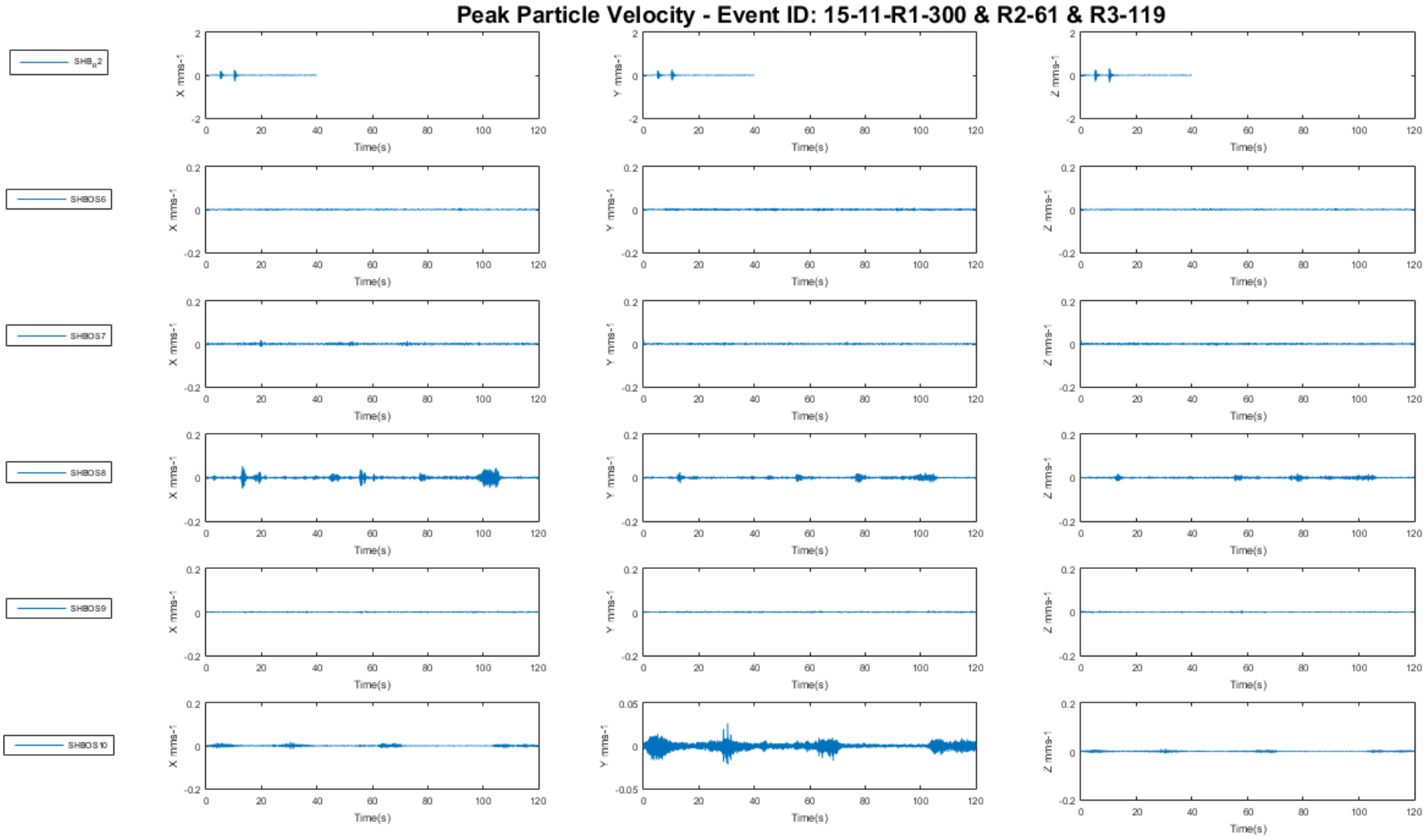


FIGURE 3.1445: SHB_OS 6 - 10 15-11-R1-300 & R2-61 & R3-119

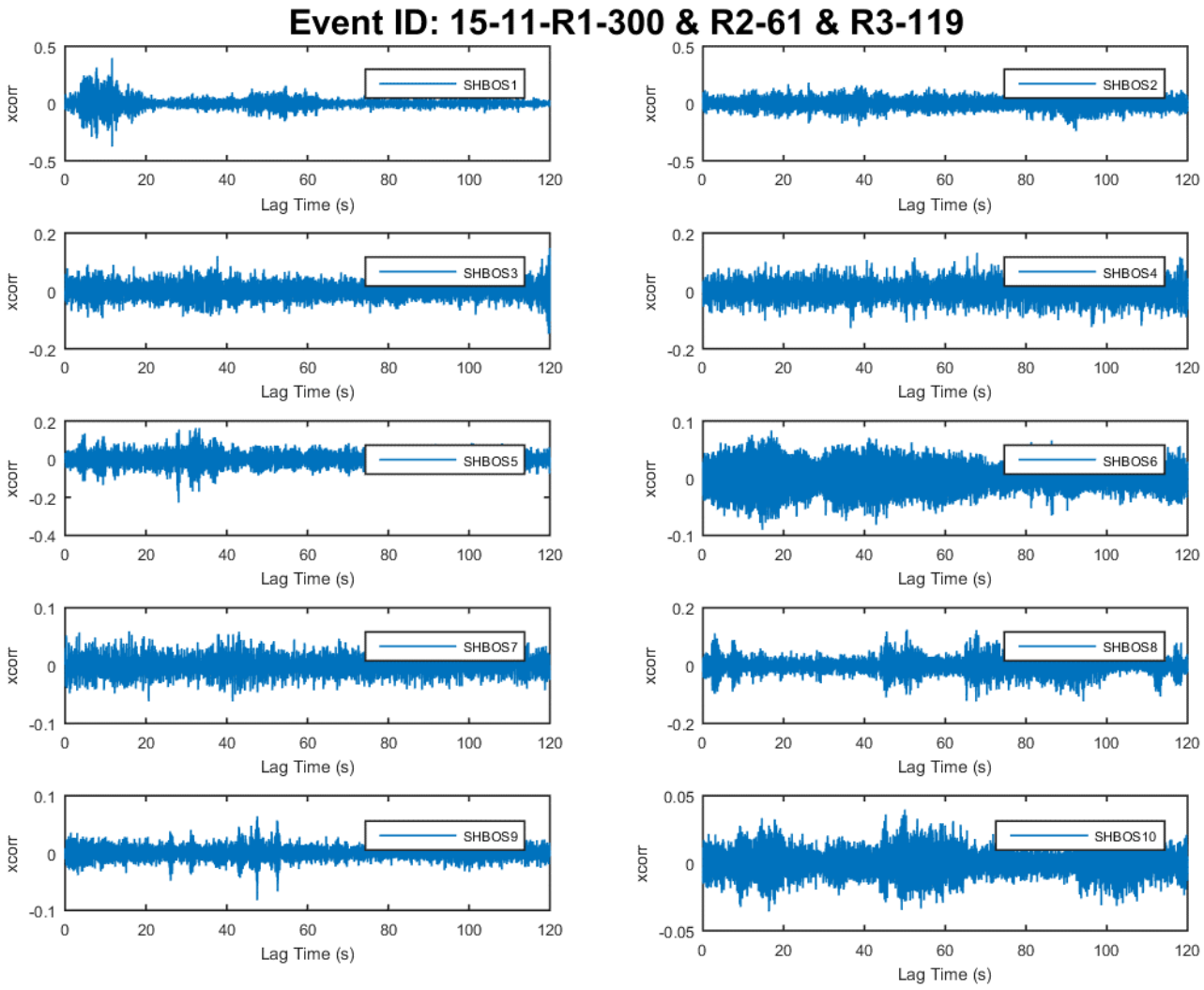


FIGURE 3.1446: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-300 & R2-61 & R3-119

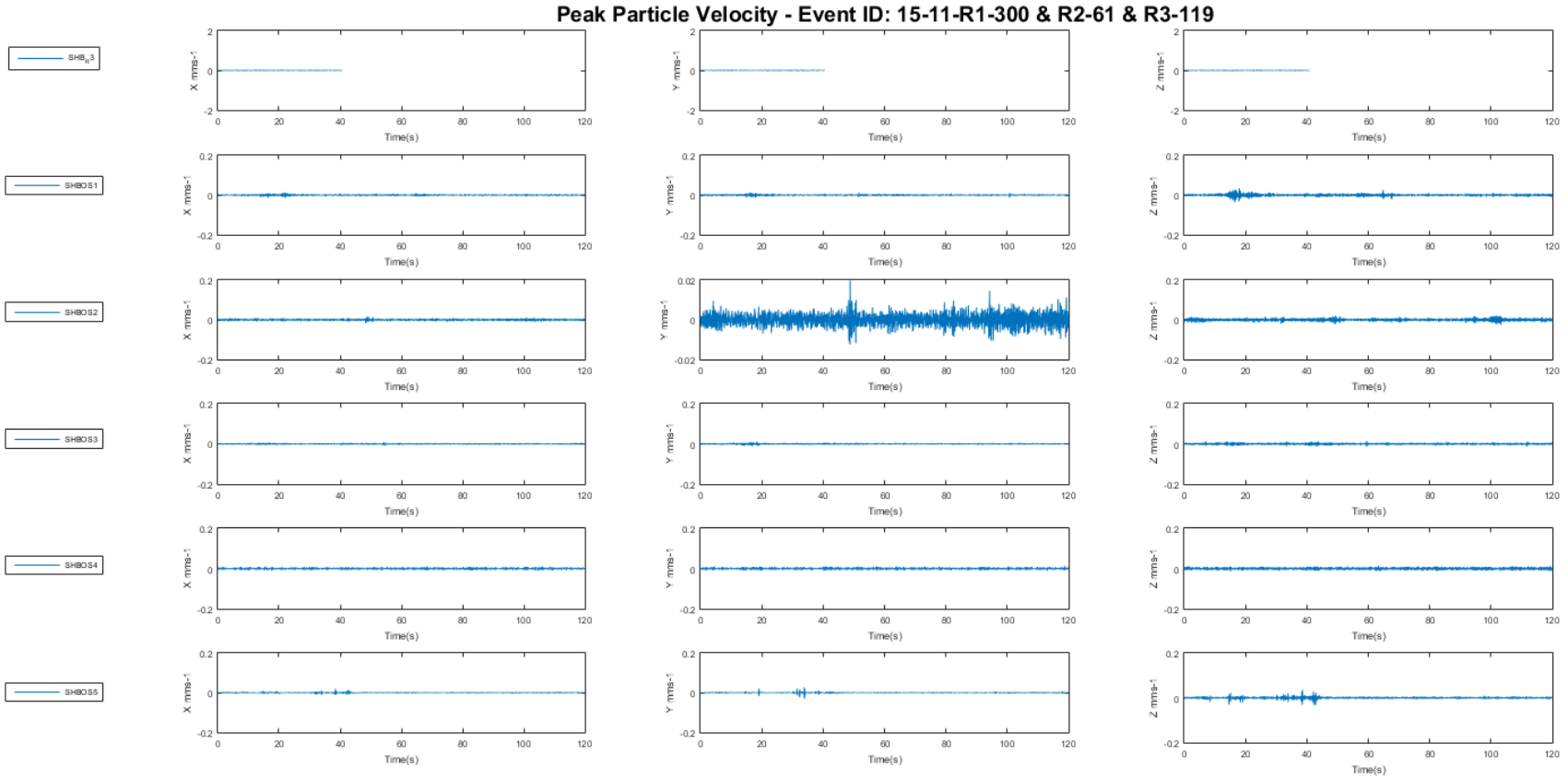


FIGURE 3.1447: SHB_OS 1 - 5 15-11-R1-300 & R2-61 & R3-119

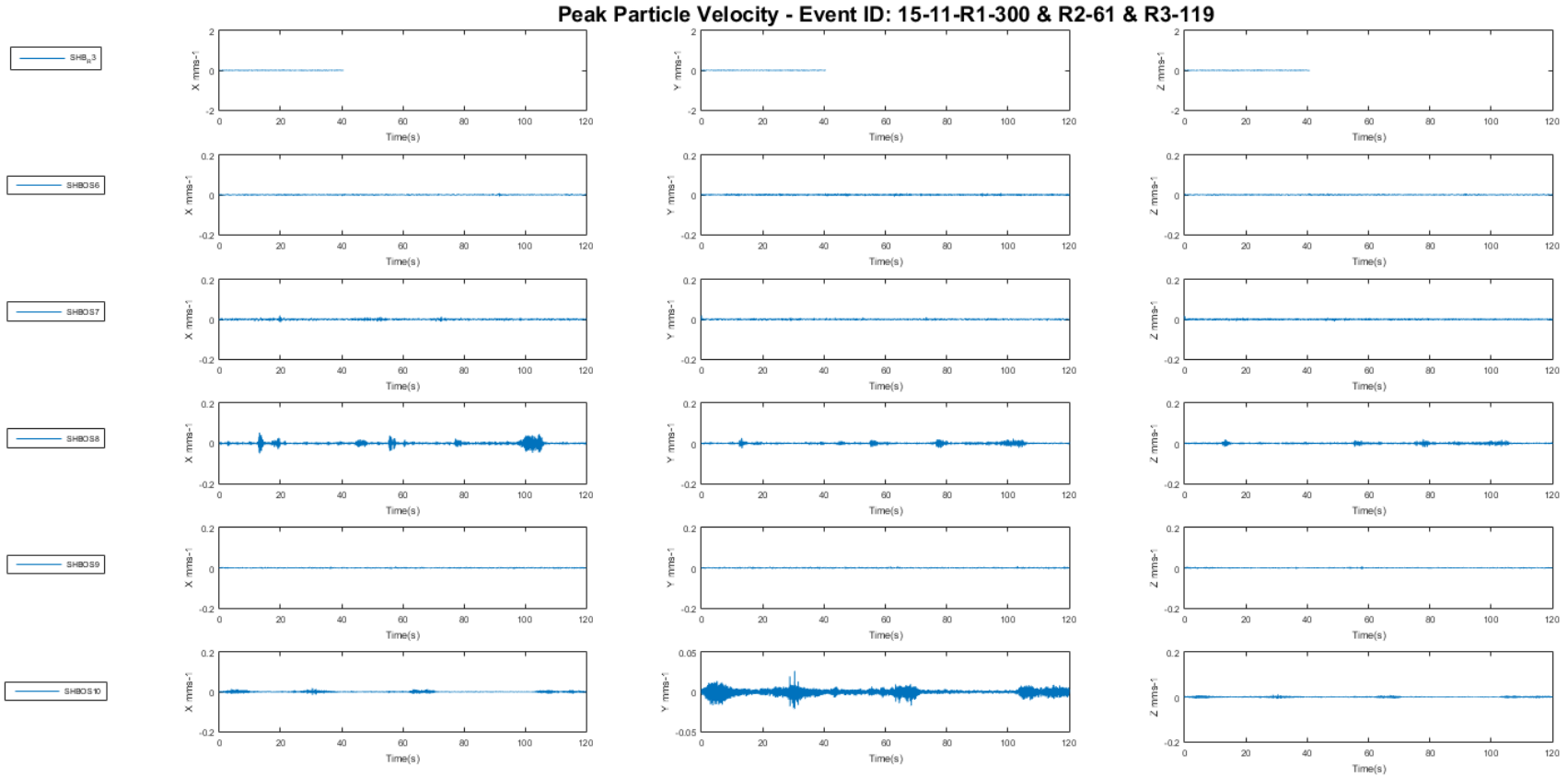


FIGURE 3.1448: SHB_OS 6 - 10 15-11-R1-300 & R2-61 & R3-119

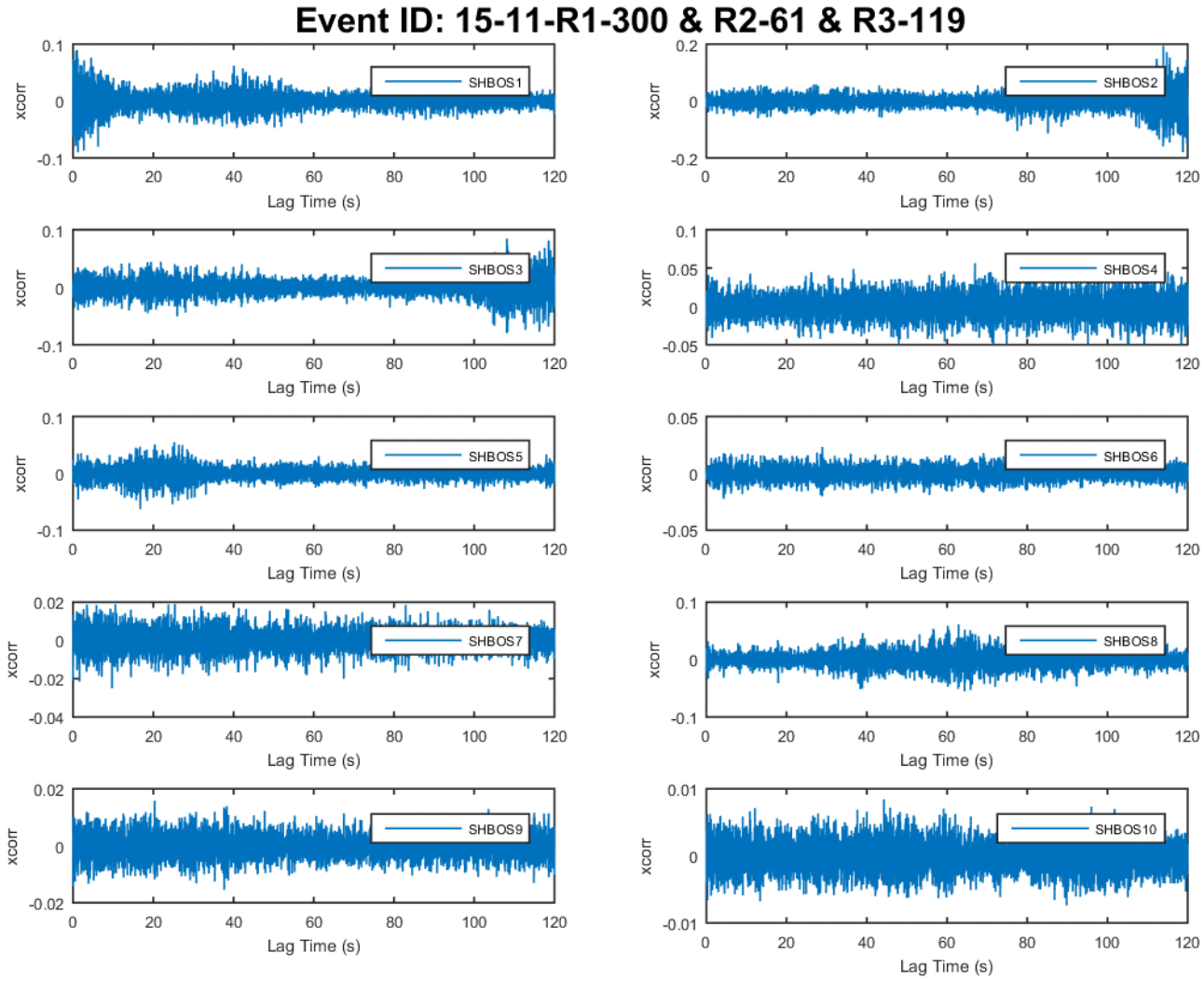


FIGURE 3.1449: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-300 & R2-61 & R3-119

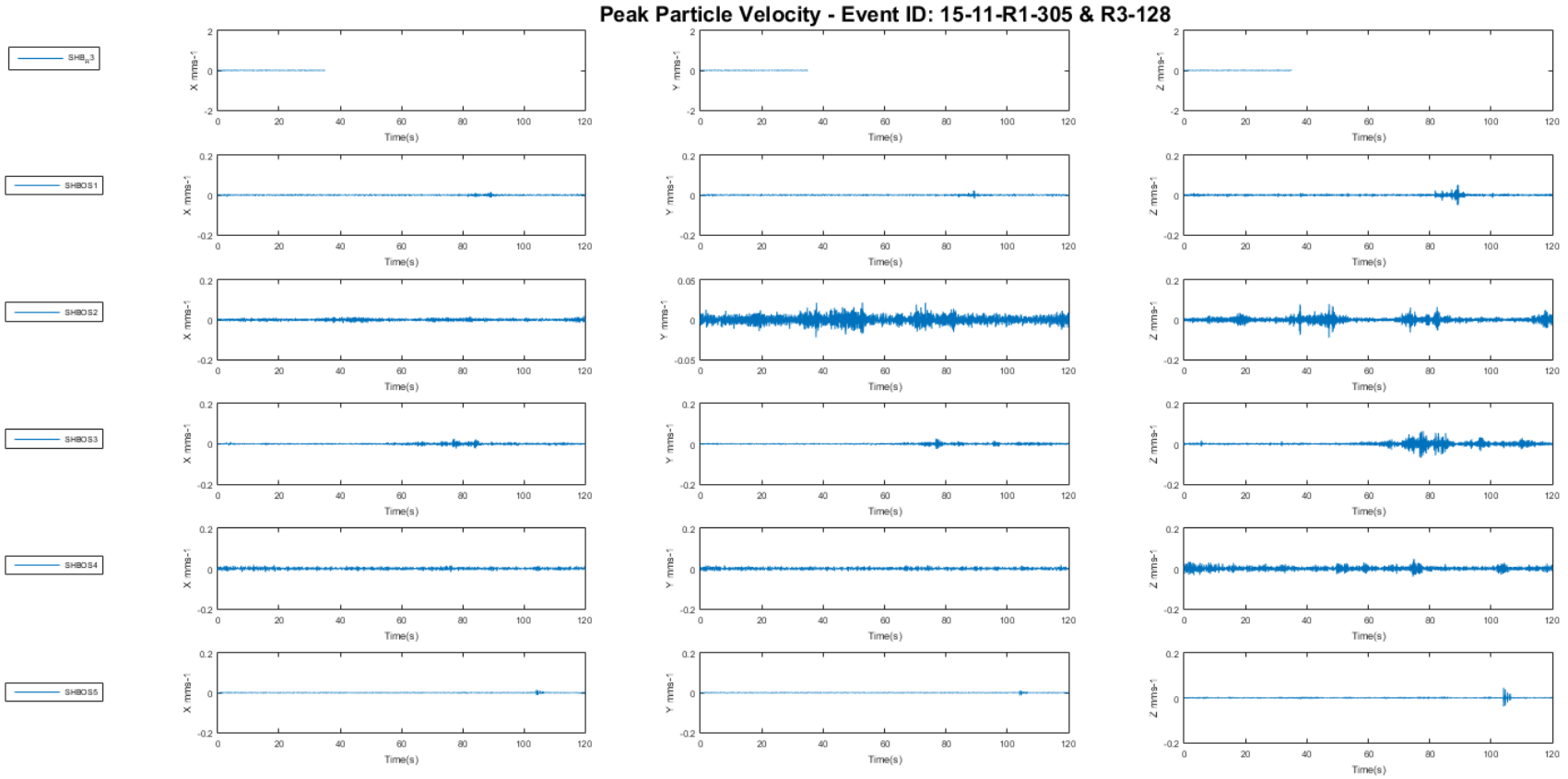


FIGURE 3.1450: SHB_OS 1 - 5 15-11-R1-305 & R3-128

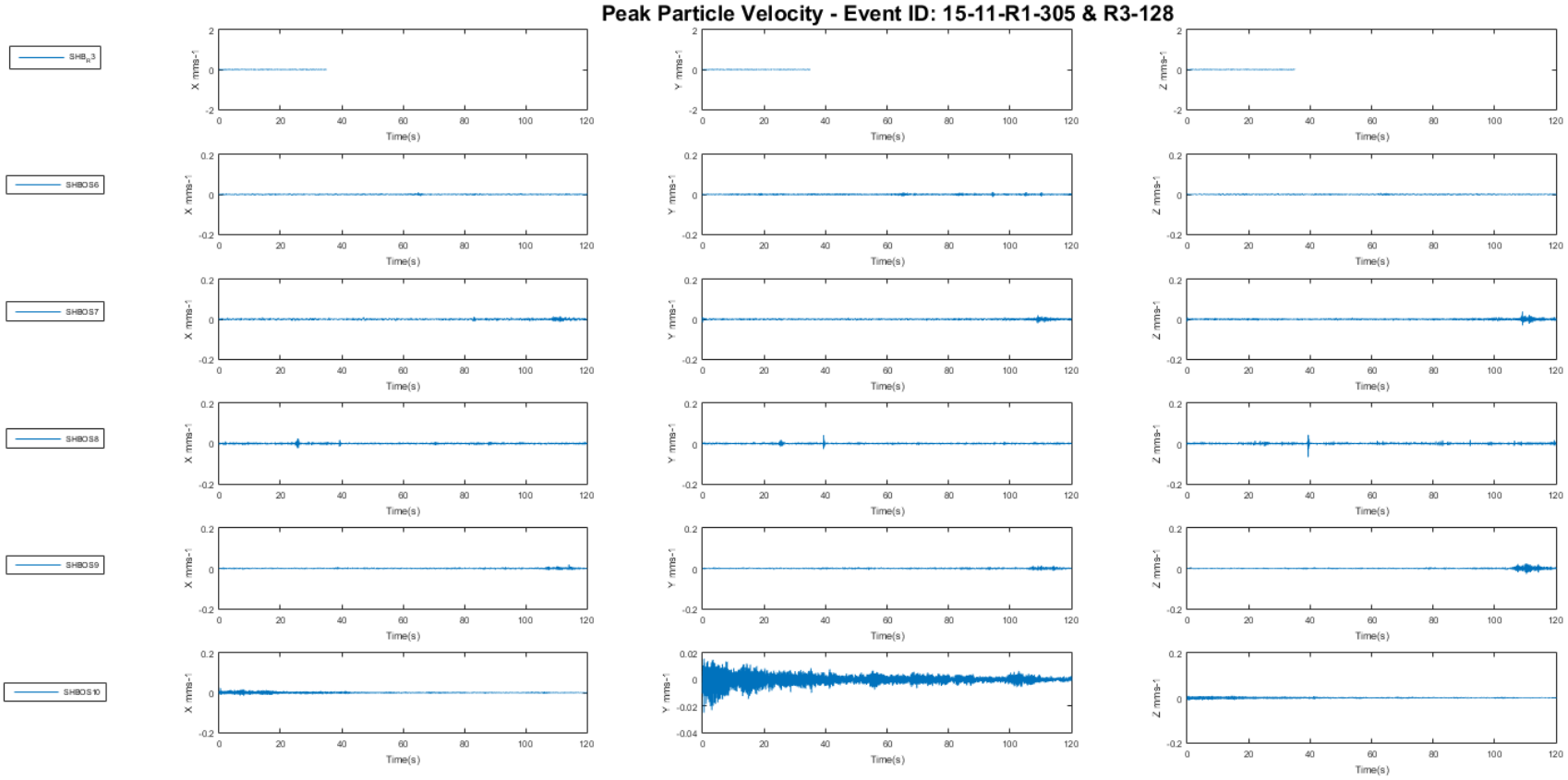


FIGURE 3.1451: SHB_OS 6 - 10 15-11-R1-305 & R3-128

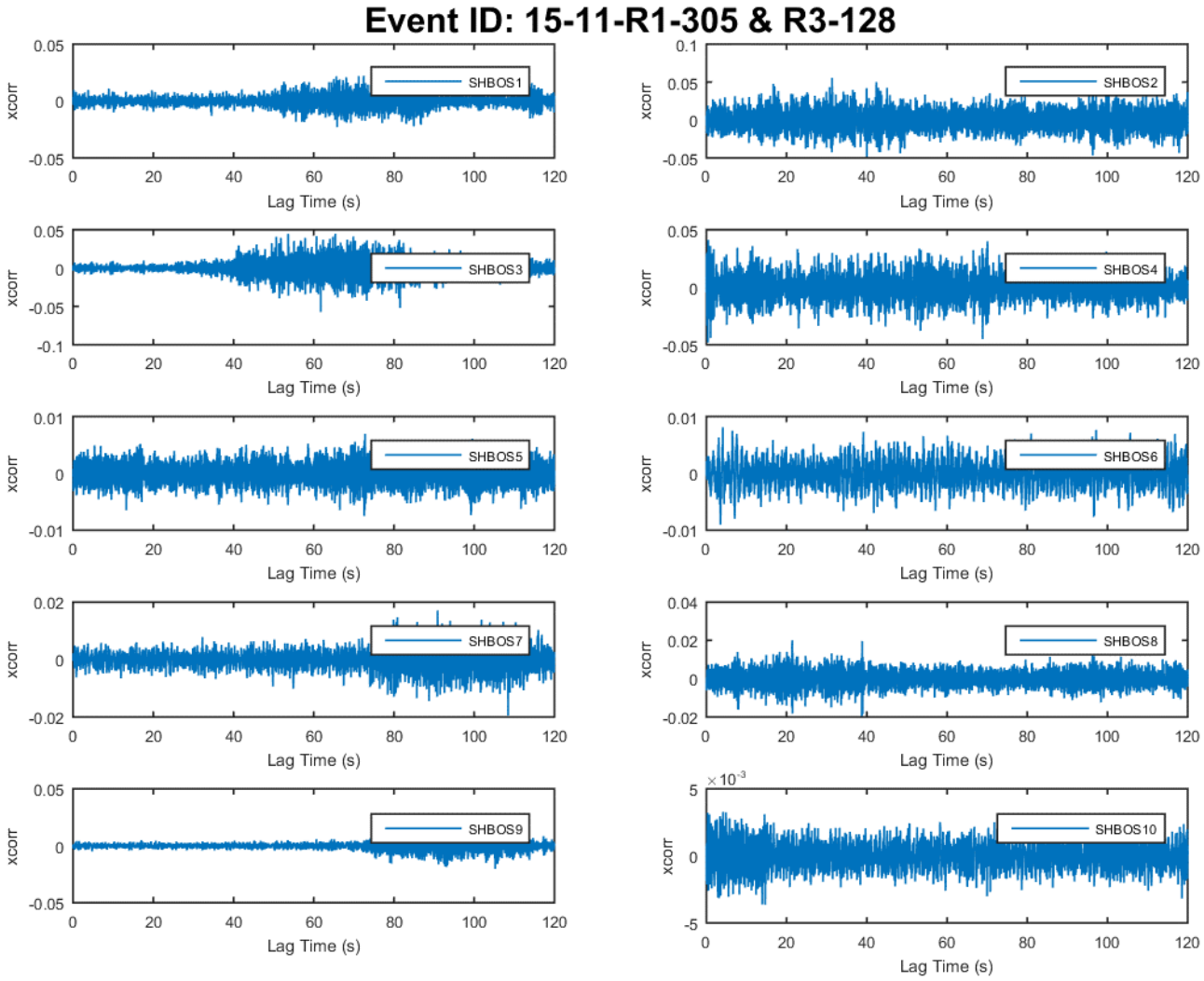


FIGURE 3.1452: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-305 & R3-128

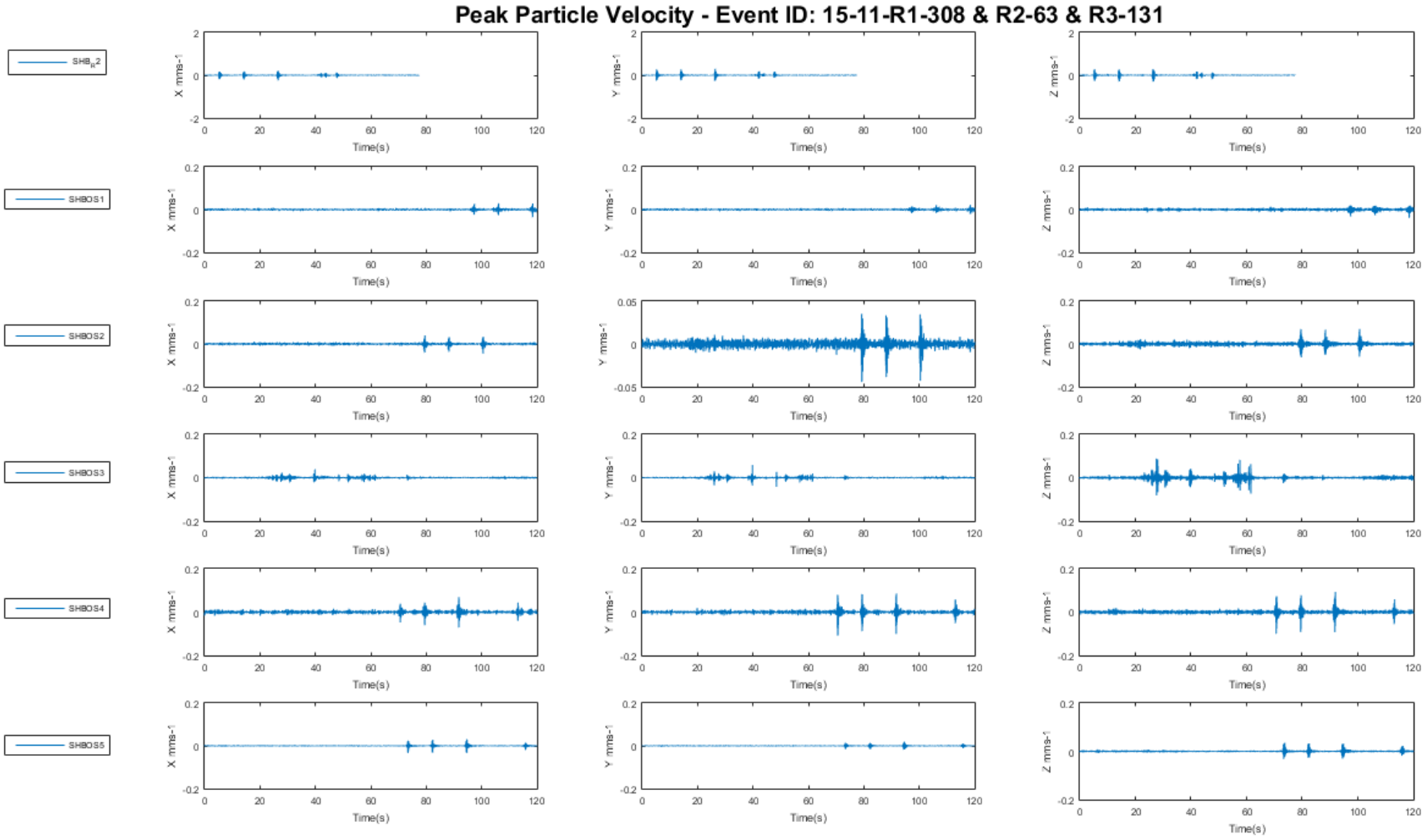


FIGURE 3.1453: SHB_OS 1 - 5 15-11-R1-308 & R2-63 & R3-131

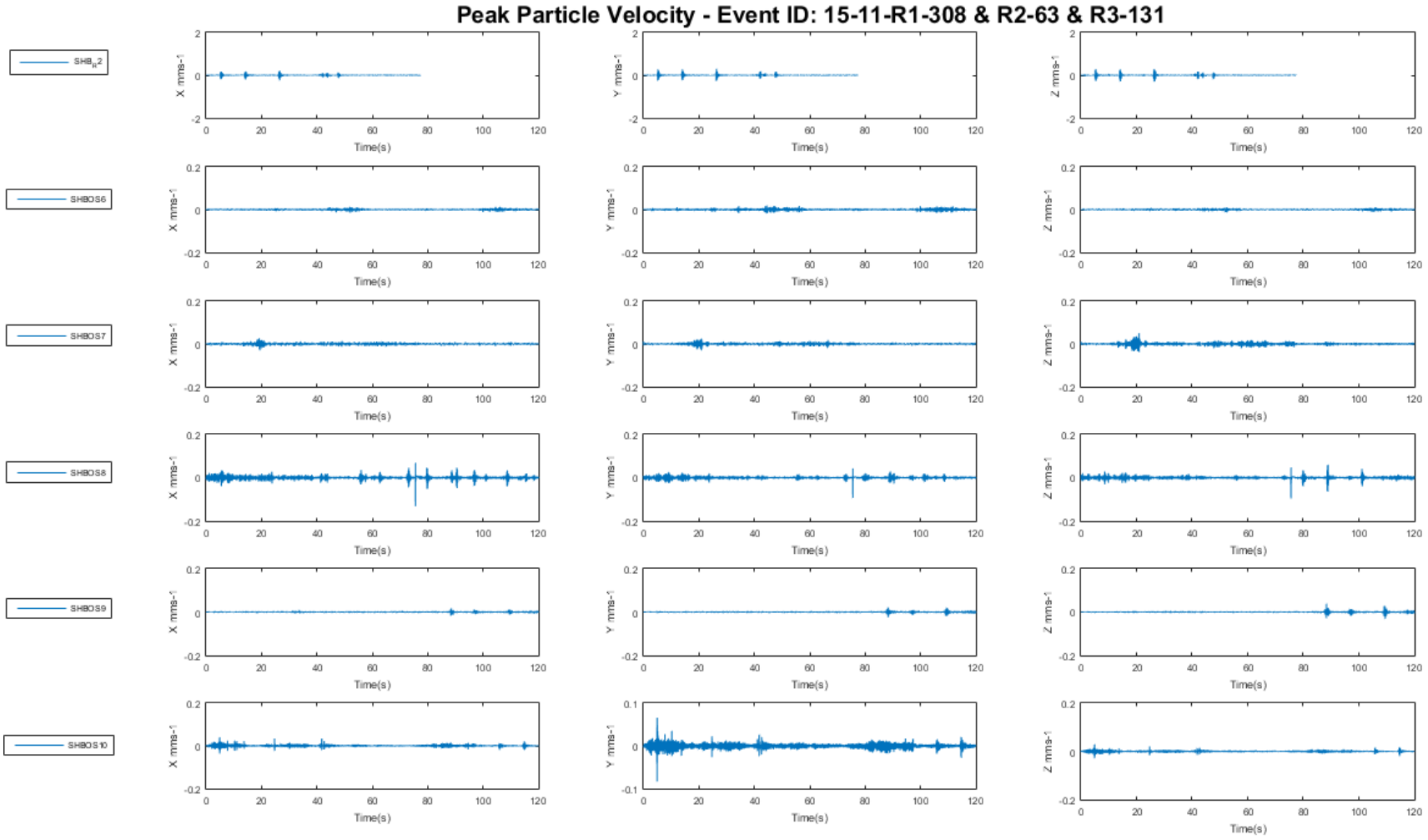


FIGURE 3.1454: SHB_OS 6 - 10 15-11-R1-308 & R2-63 & R3-131

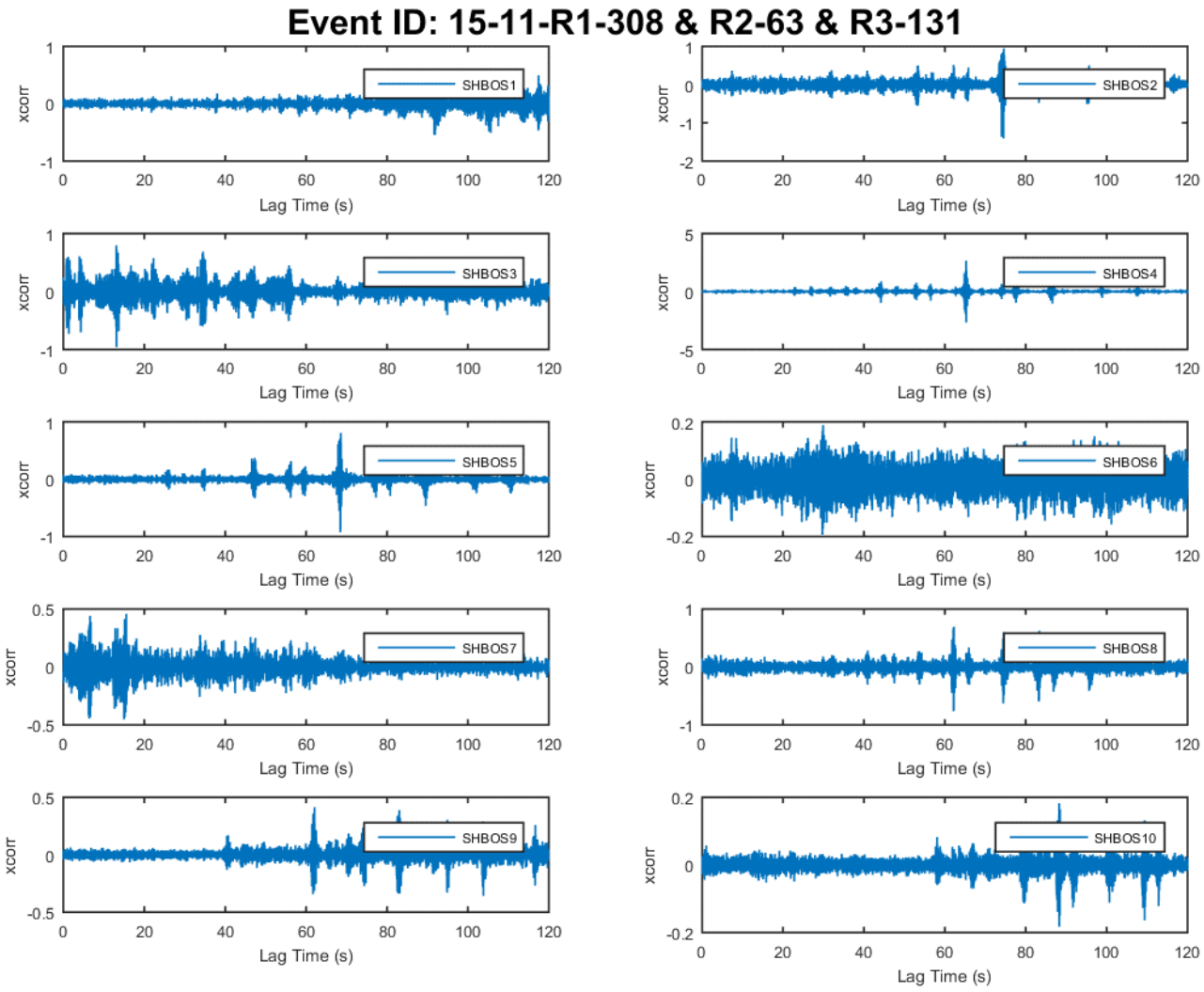


FIGURE 3.1455: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-308 & R2-63 & R3-131

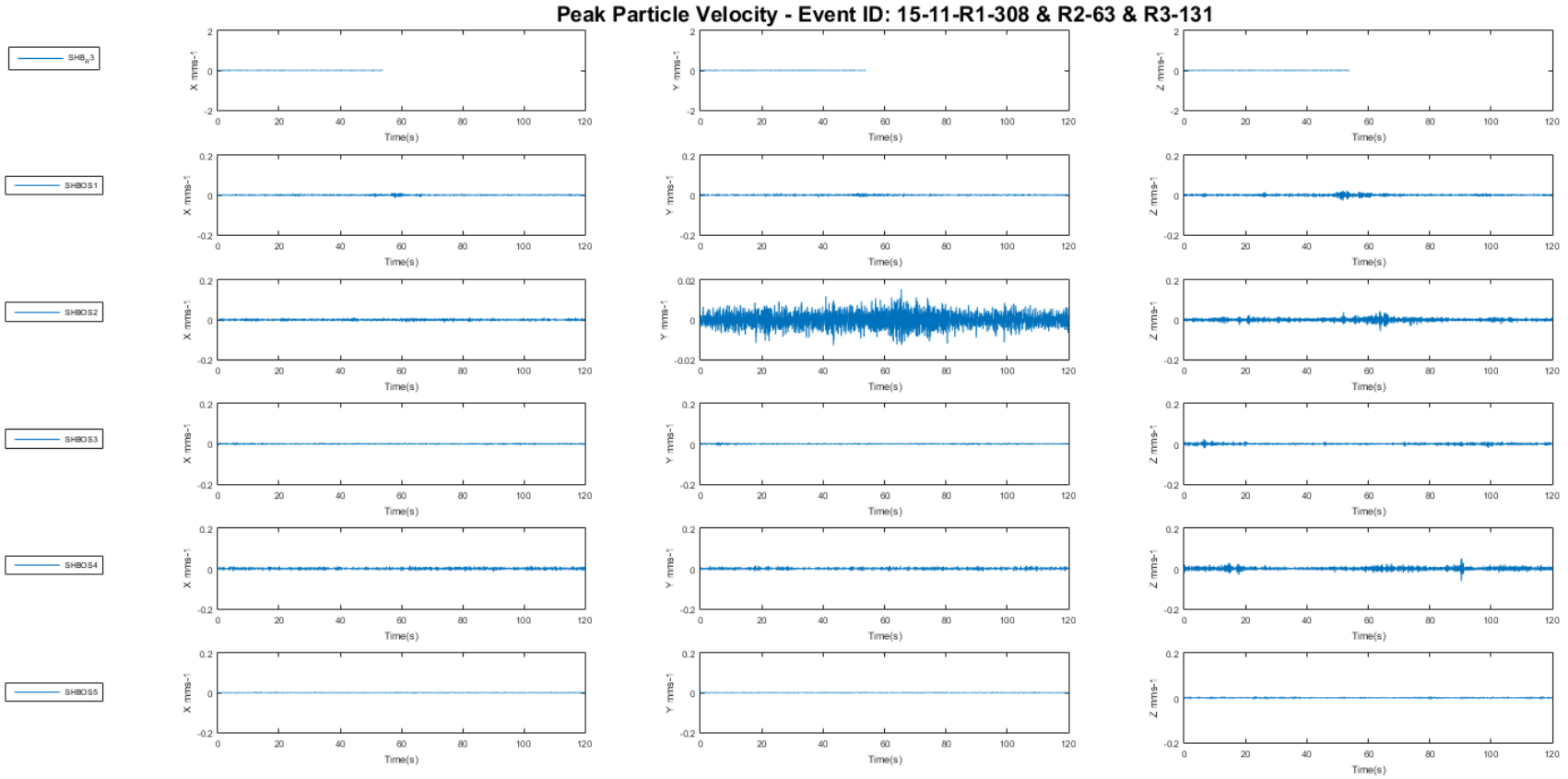


FIGURE 3.1456: SHB_OS 1 - 5 15-11-R1-308 & R2-63 & R3-131

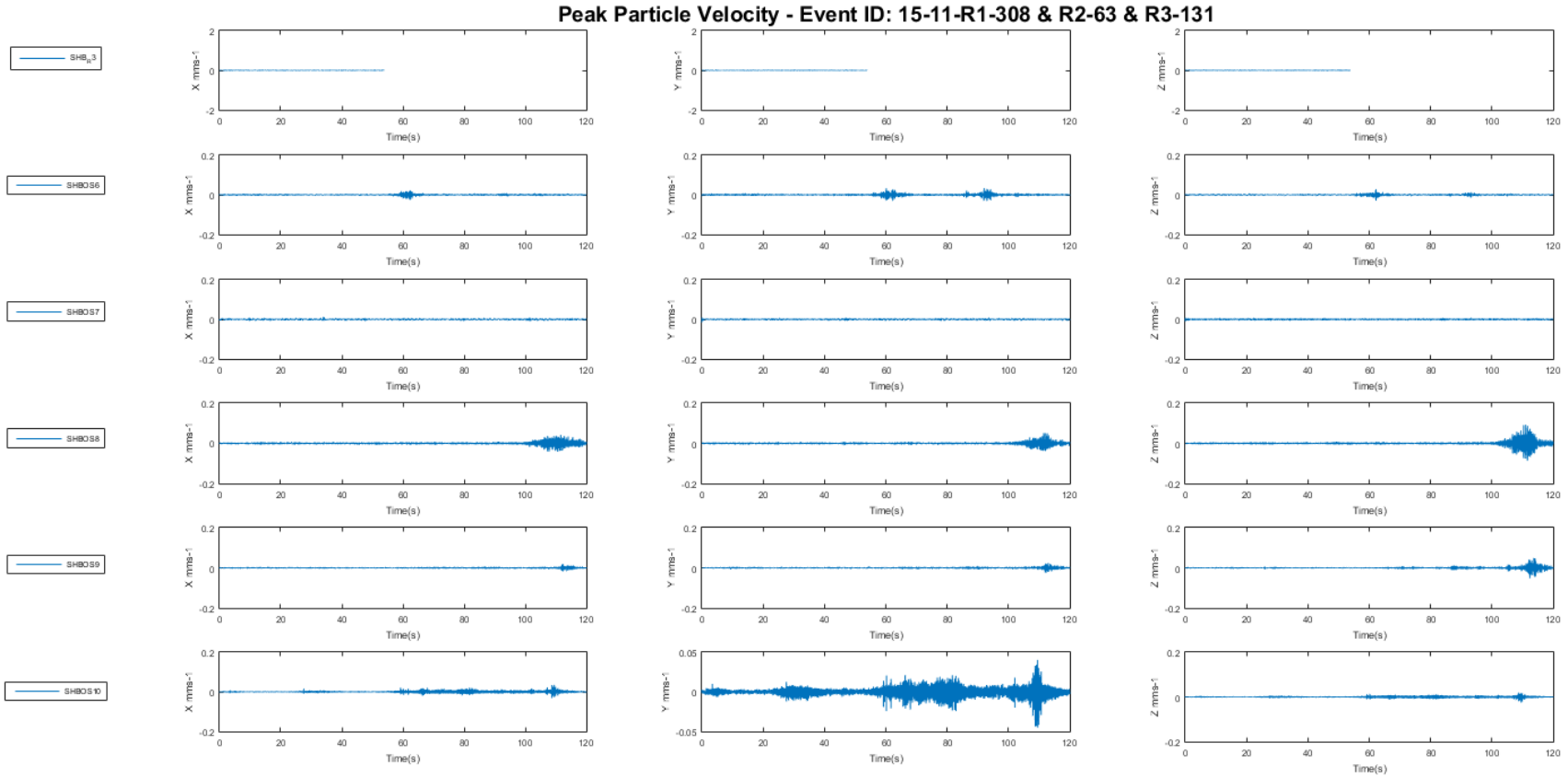


FIGURE 3.1457: SHB_OS 6 - 10 15-11-R1-308 & R2-63 & R3-131

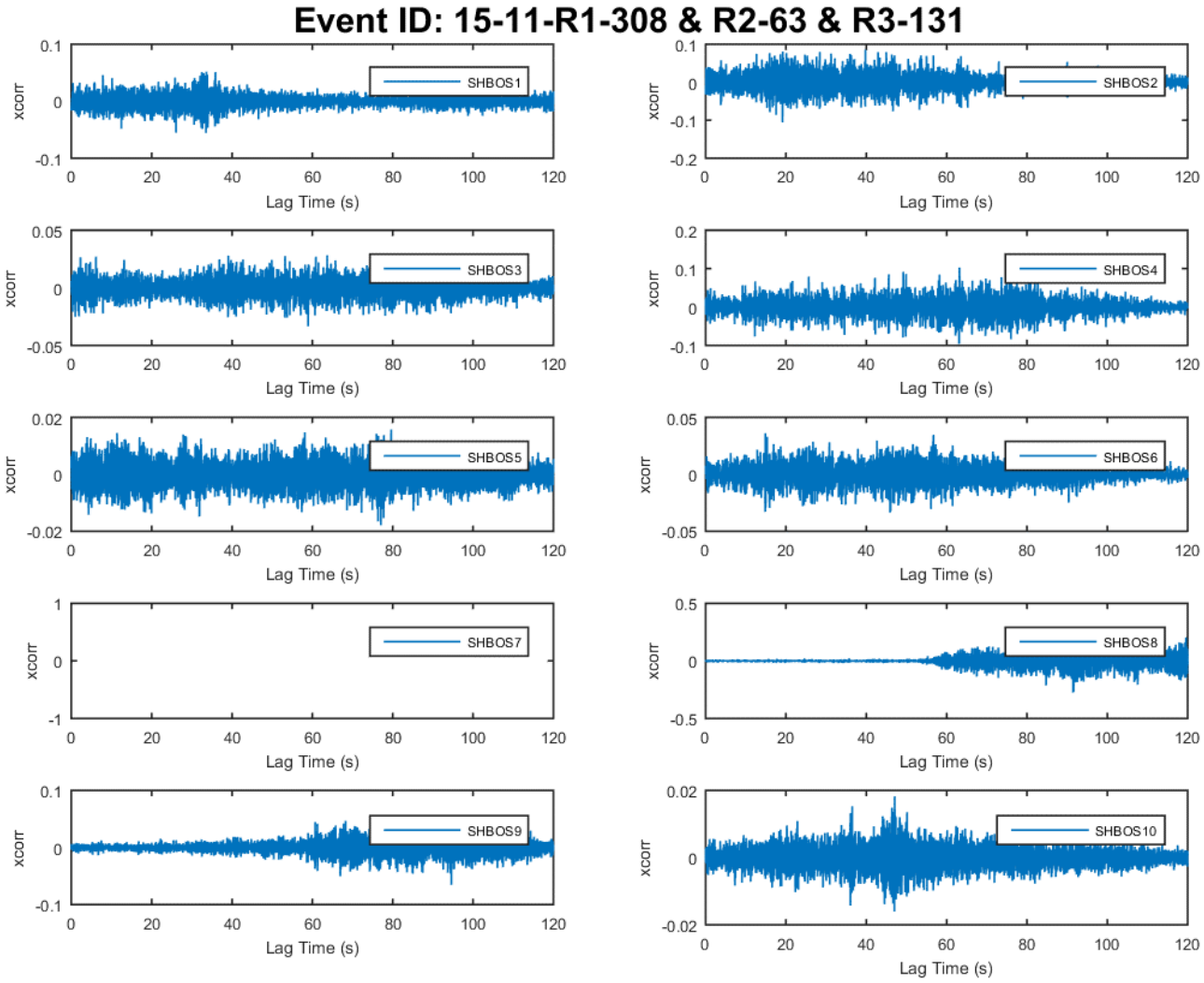


FIGURE 3.1458: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-308 & R2-63 & R3-131

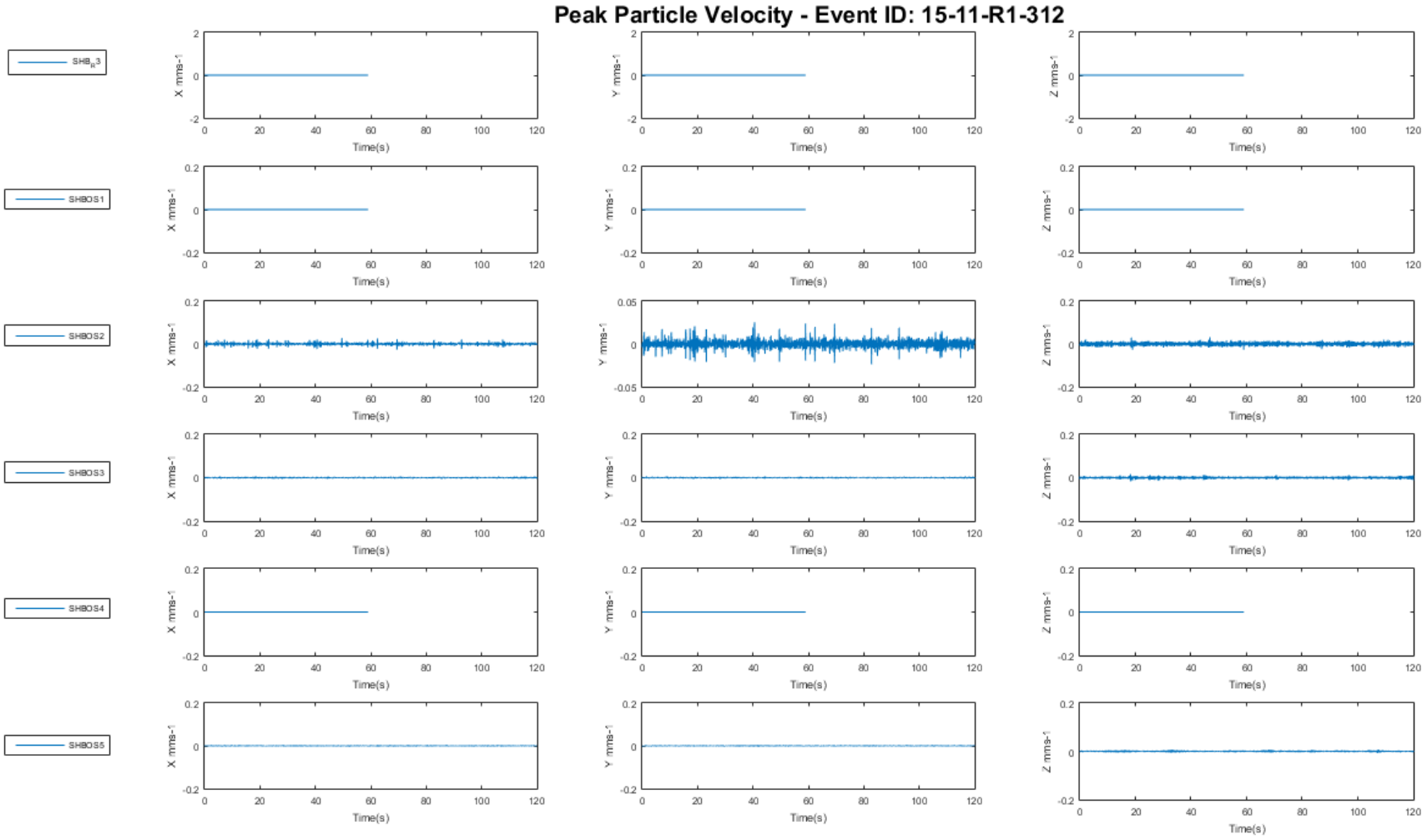


FIGURE 3.1459: SHB_OS 1 - 5 15-11-R1-312

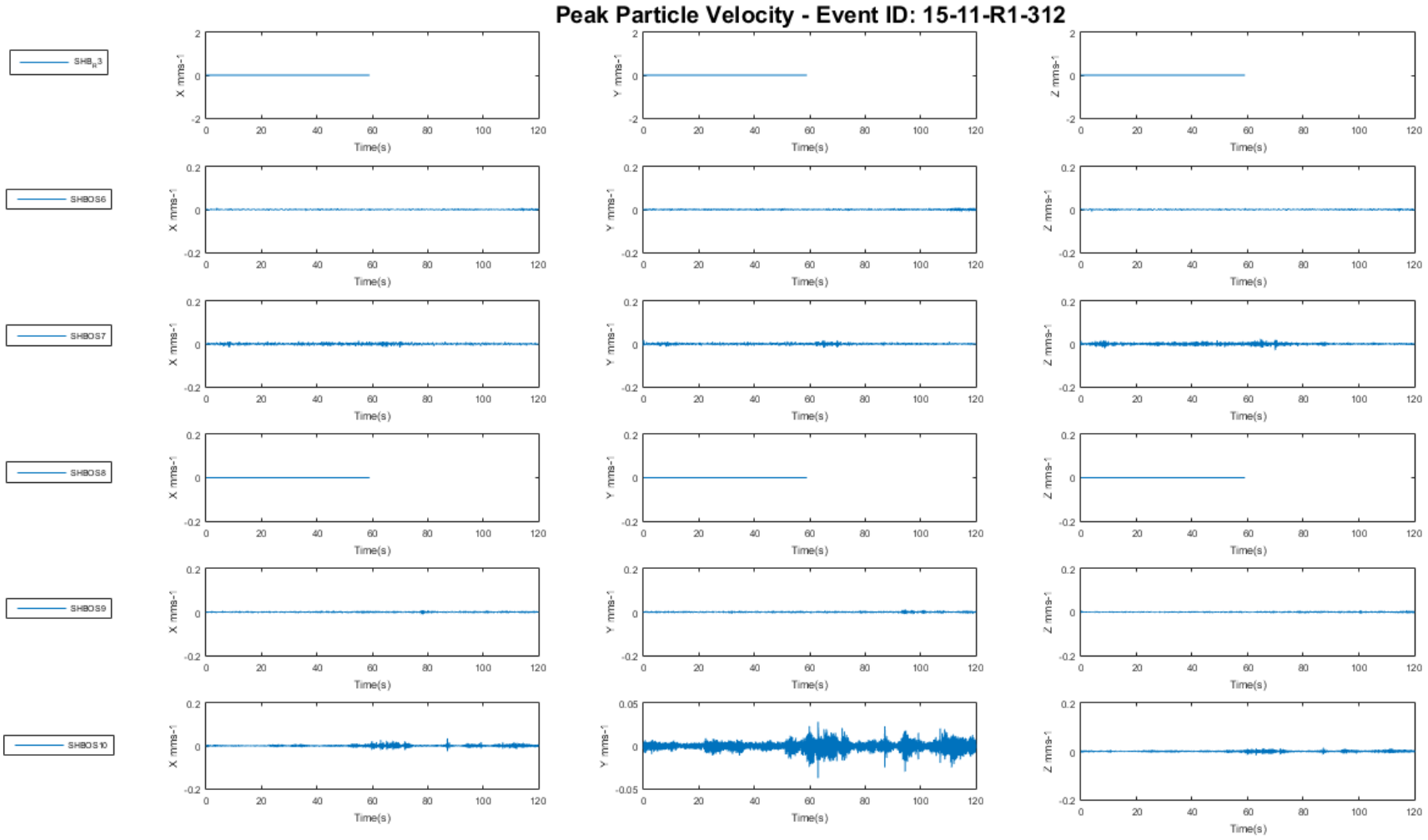


FIGURE 3.1460: SHB_OS 6 - 10 15-11-R1-312

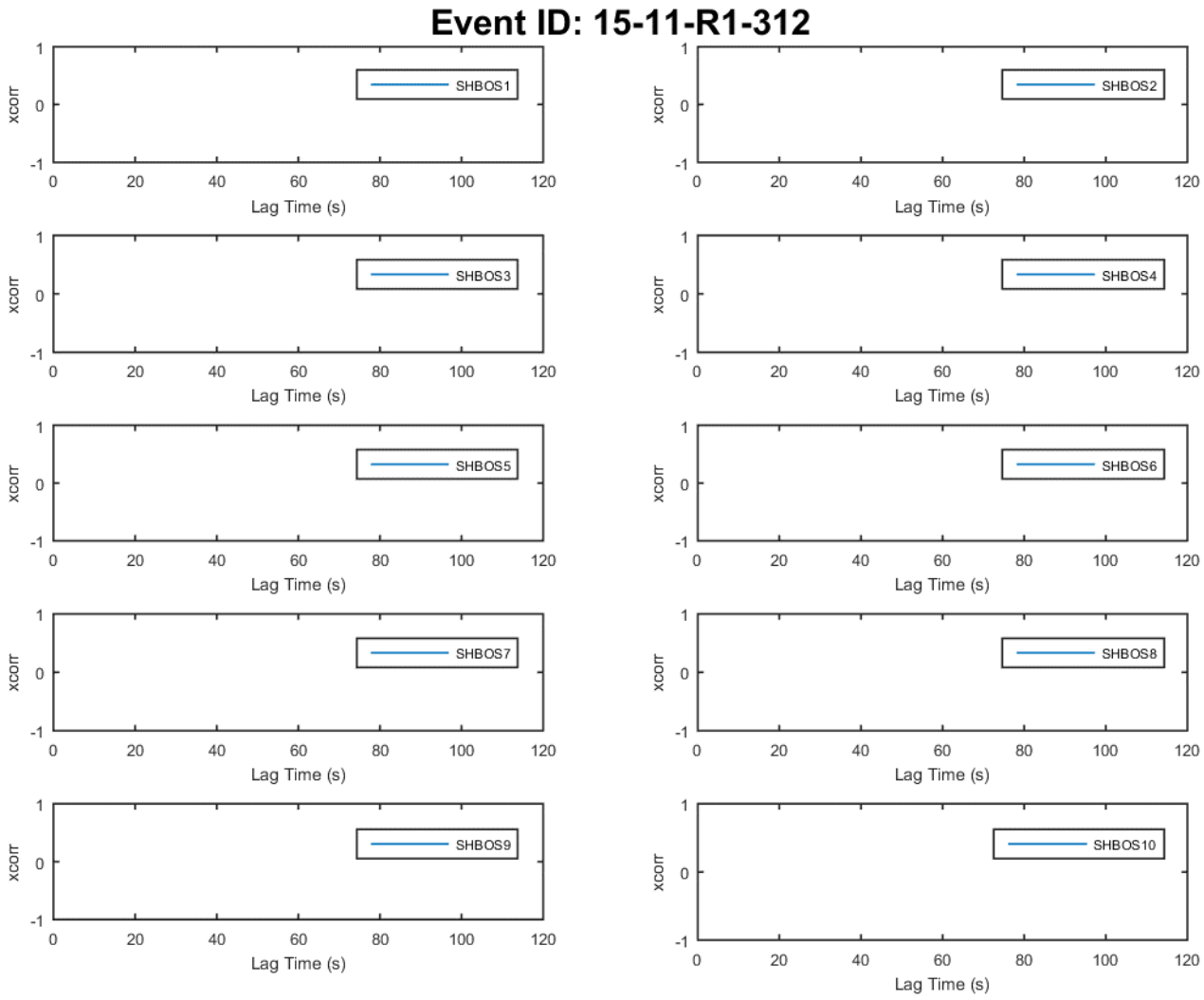


FIGURE 3.1461: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-312

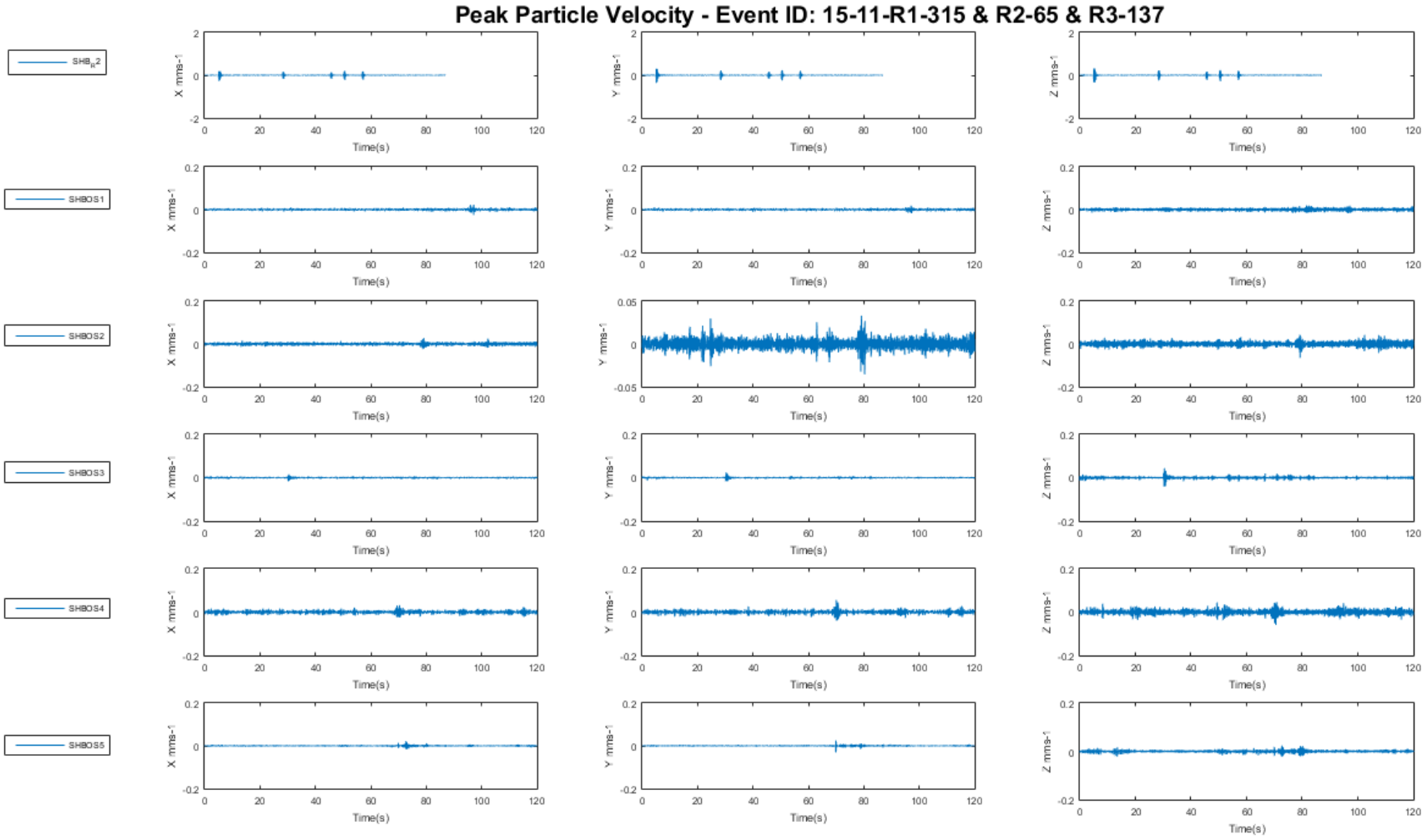


FIGURE 3.1462: SHB_OS 1 - 5 15-11-R1-315 & R2-65 & R3-137

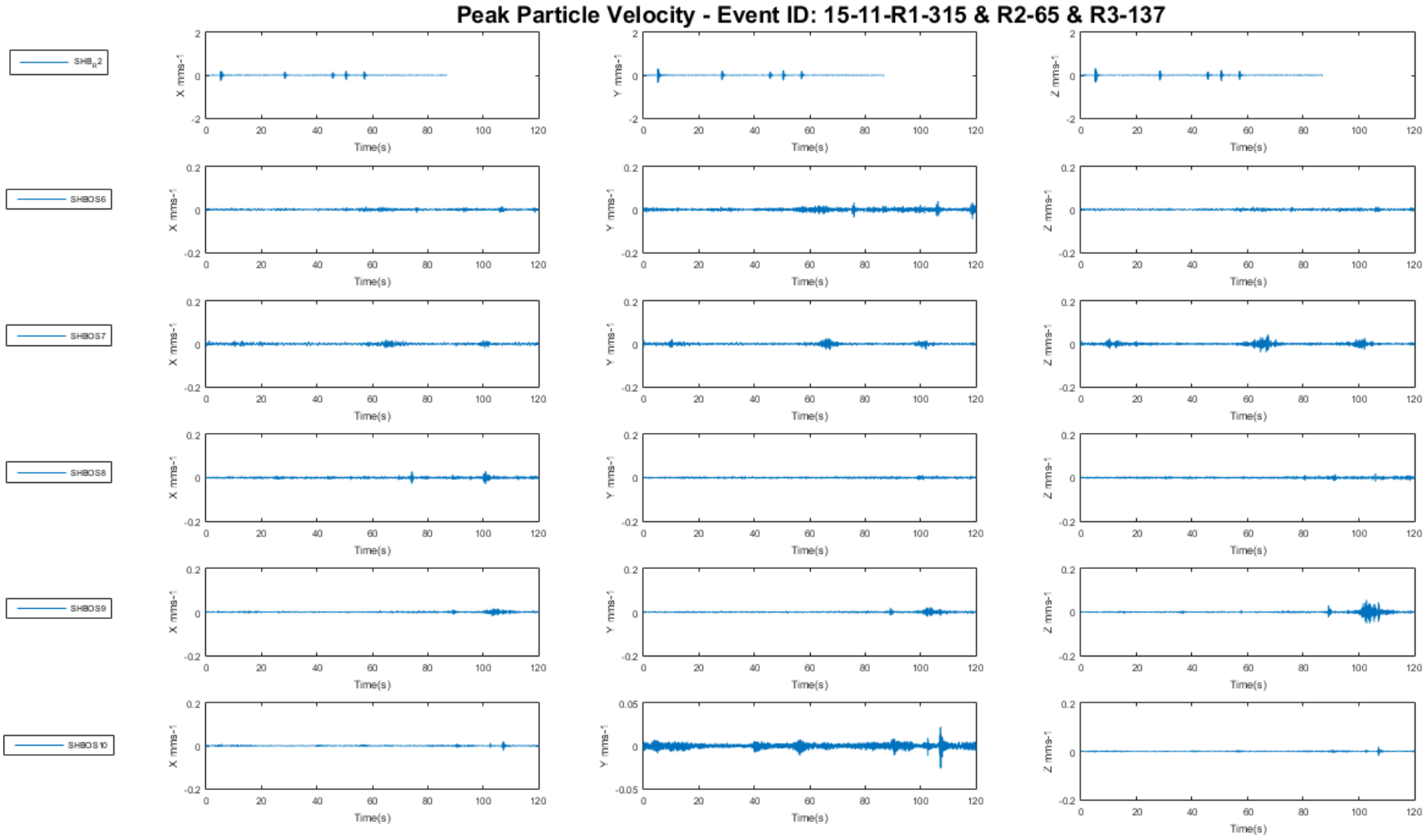


FIGURE 3.1463: SHB_OS 6 - 10 15-11-R1-315 & R2-65 & R3-137

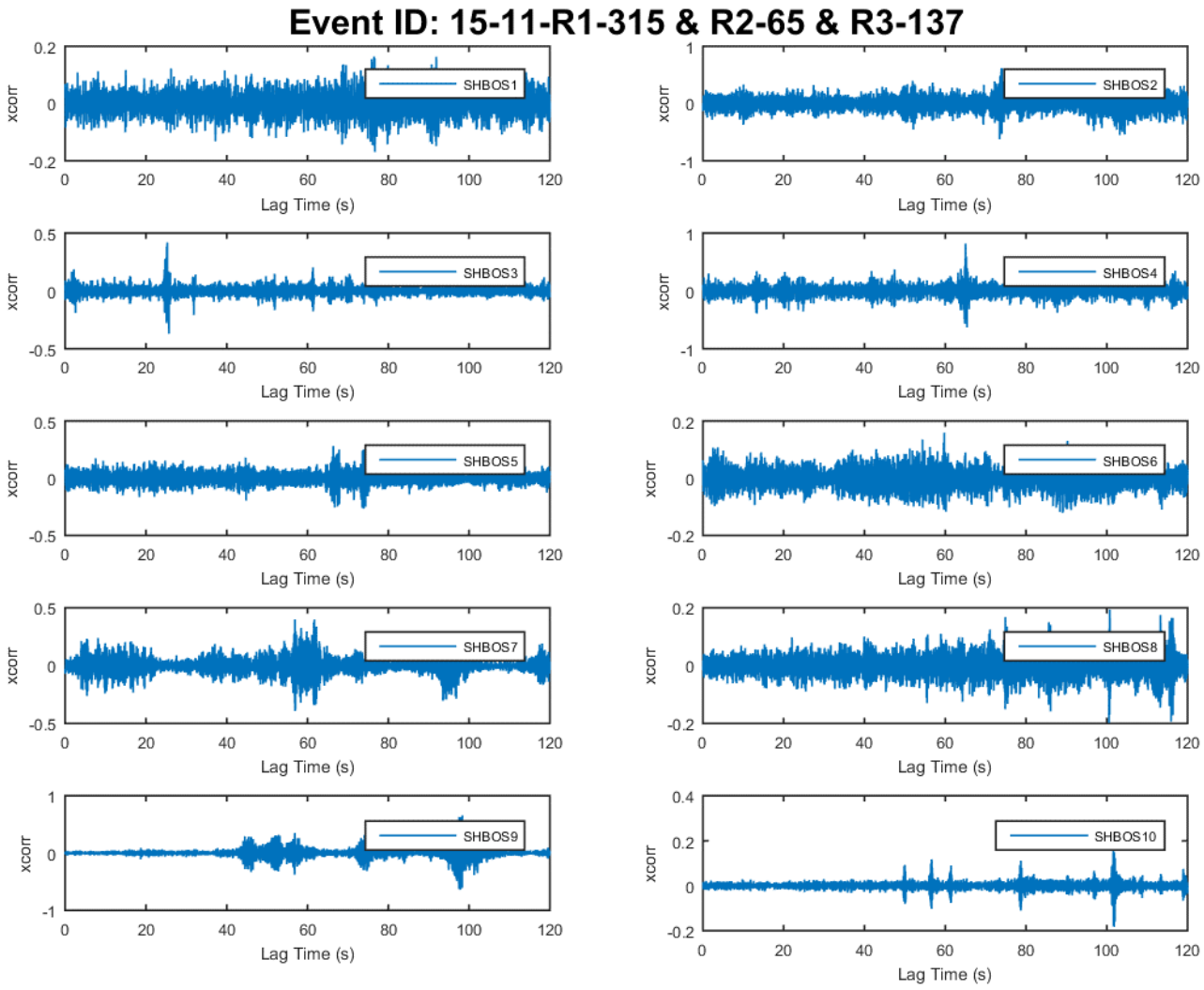


FIGURE 3.1464: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-315 & R2-65 & R3-137

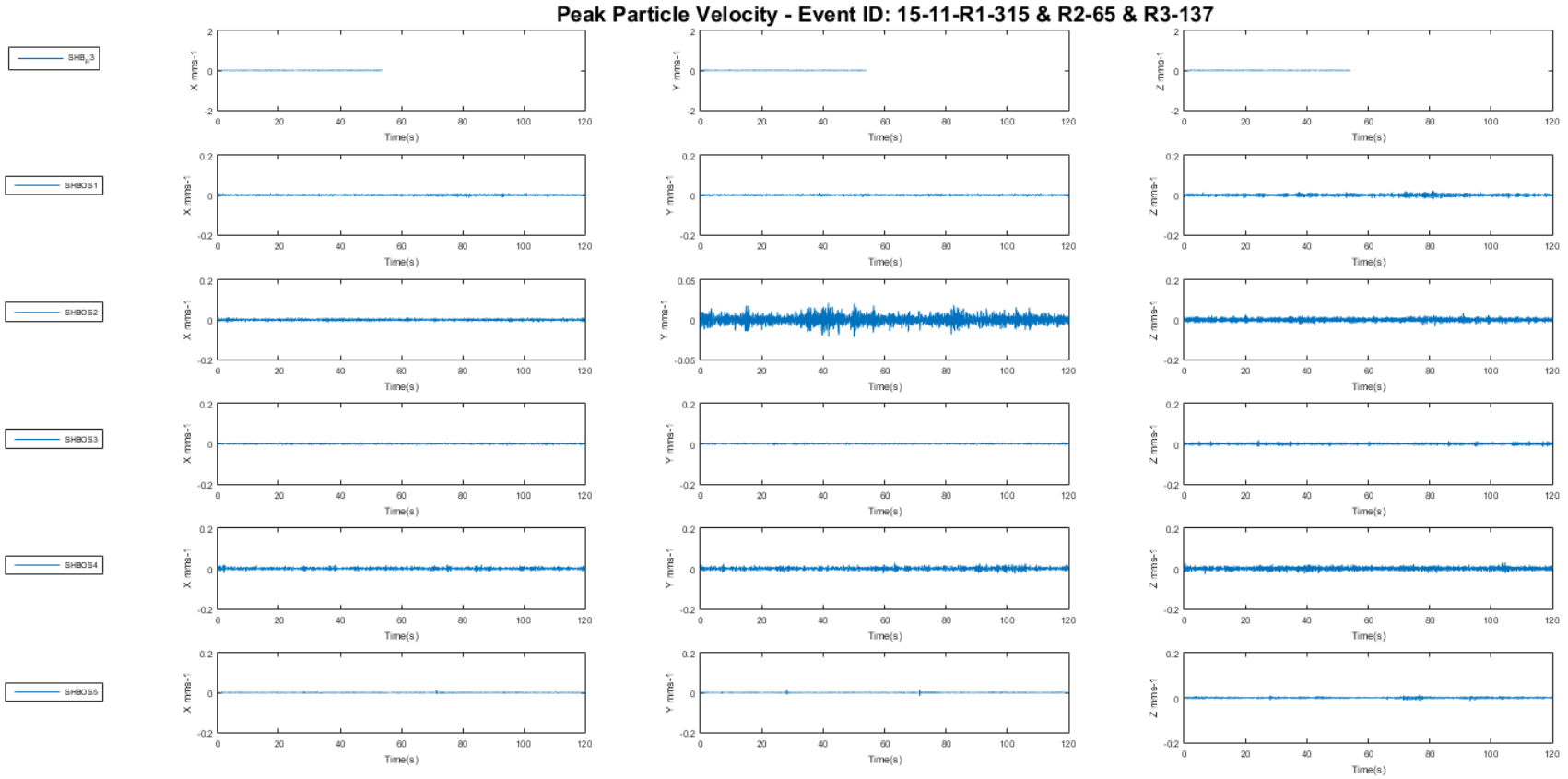


FIGURE 3.1465: SHB_OS 1 - 5 15-11-R1-315 & R2-65 & R3-137

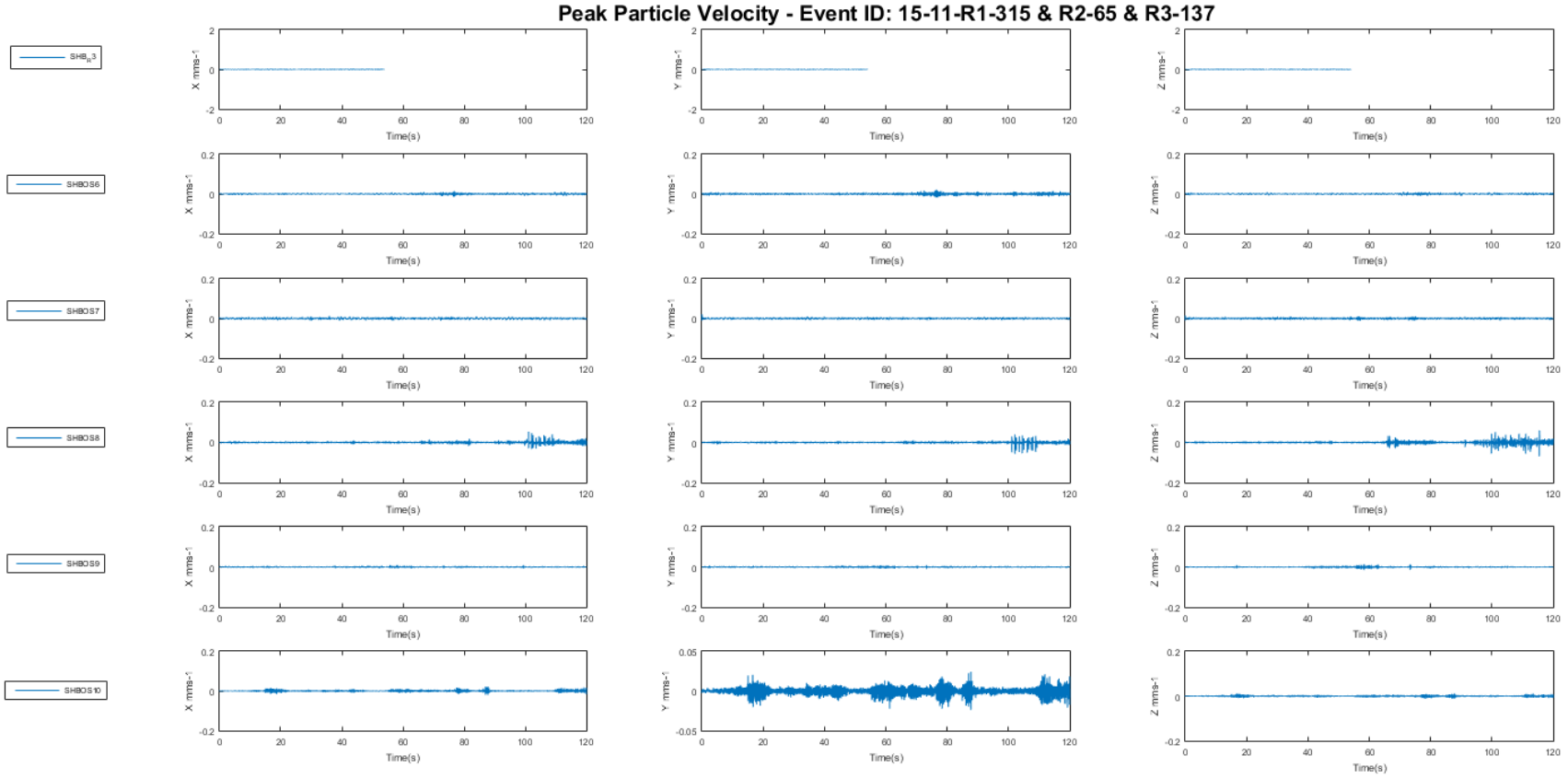


FIGURE 3.1466: SHB_OS 6 - 10 15-11-R1-315 & R2-65 & R3-137

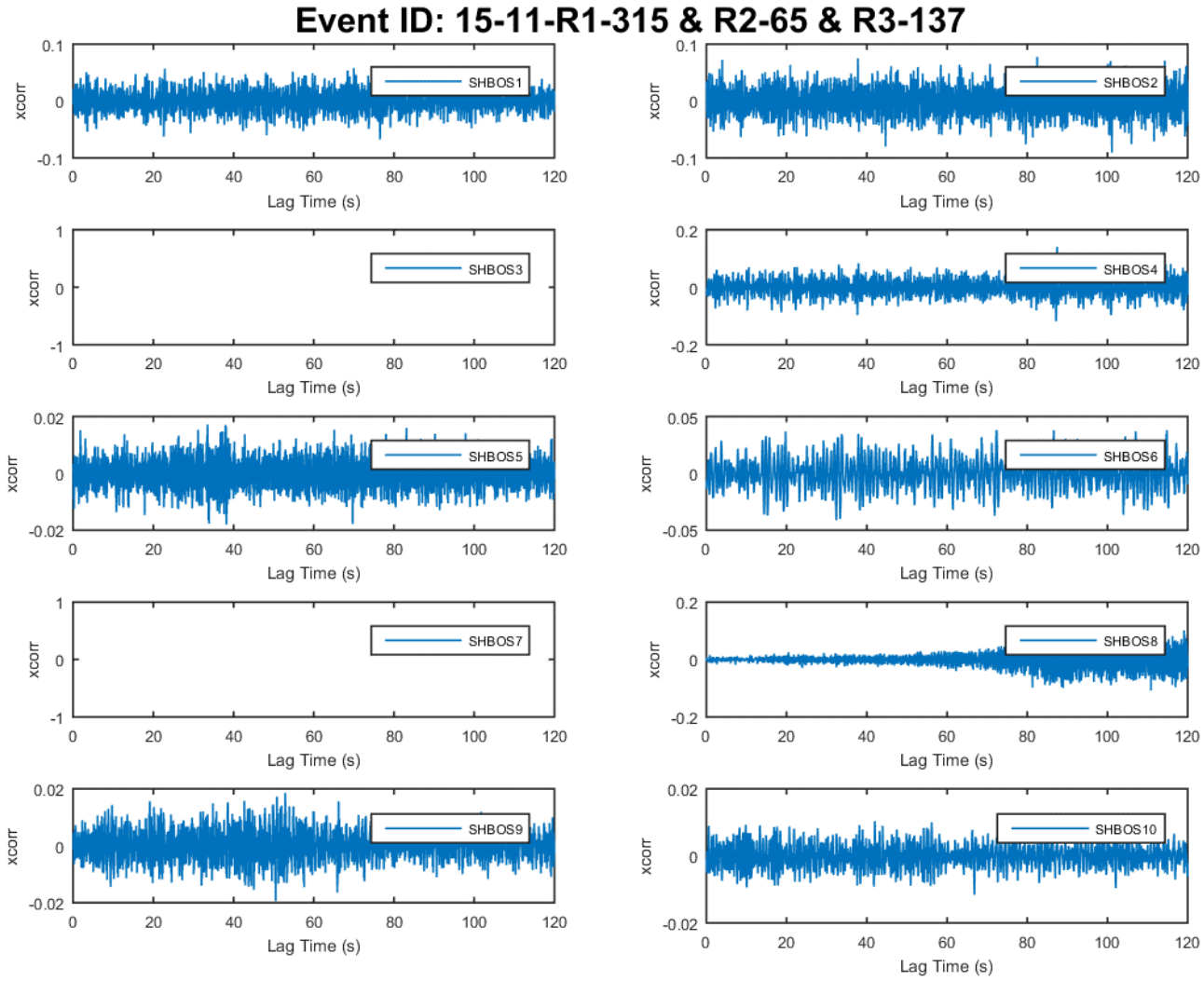


FIGURE 3.1467: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-315 & R2-65 & R3-137

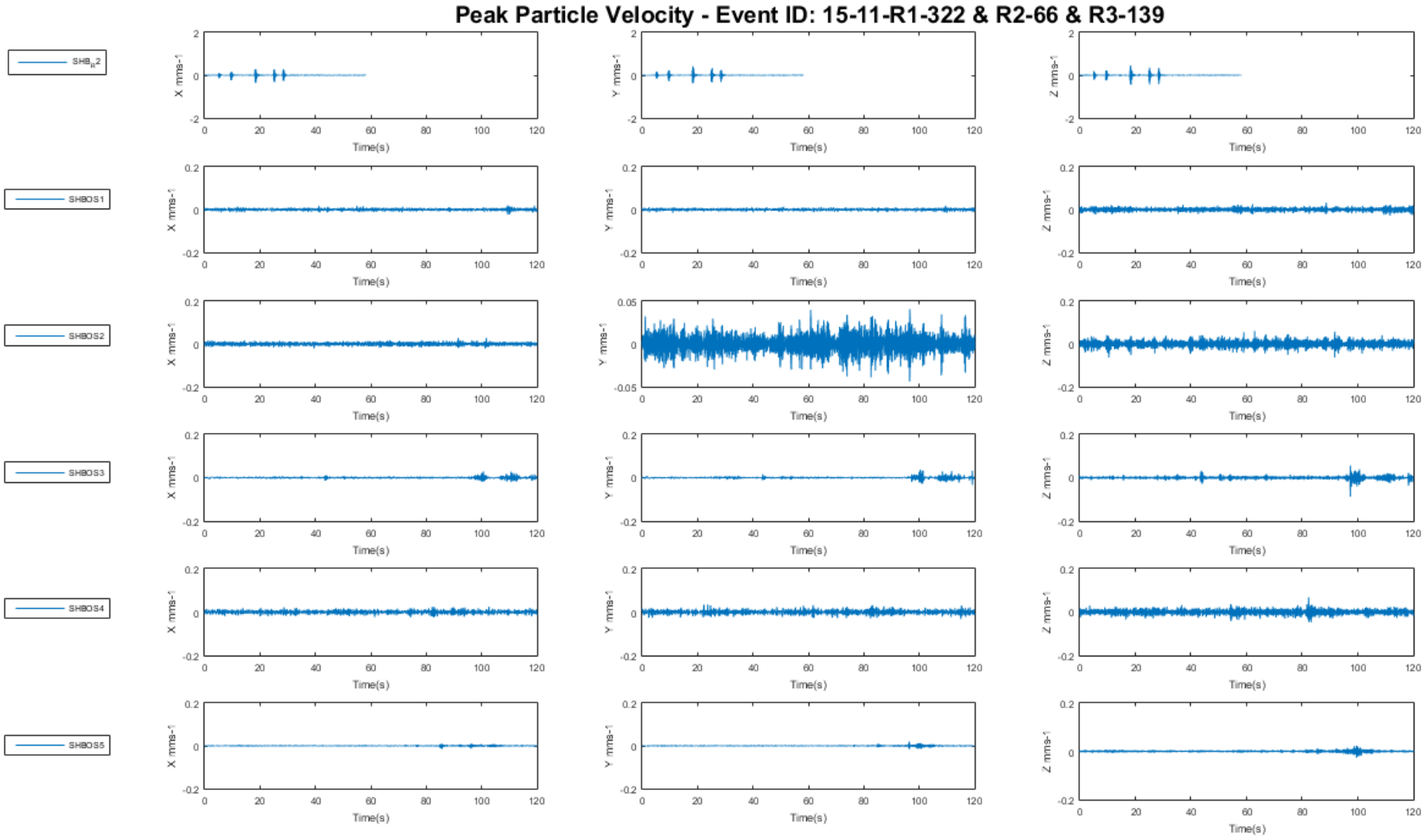


FIGURE 3.1468: SHB_OS 1 - 5 15-11-R1-322 & R2-66 & R3-139

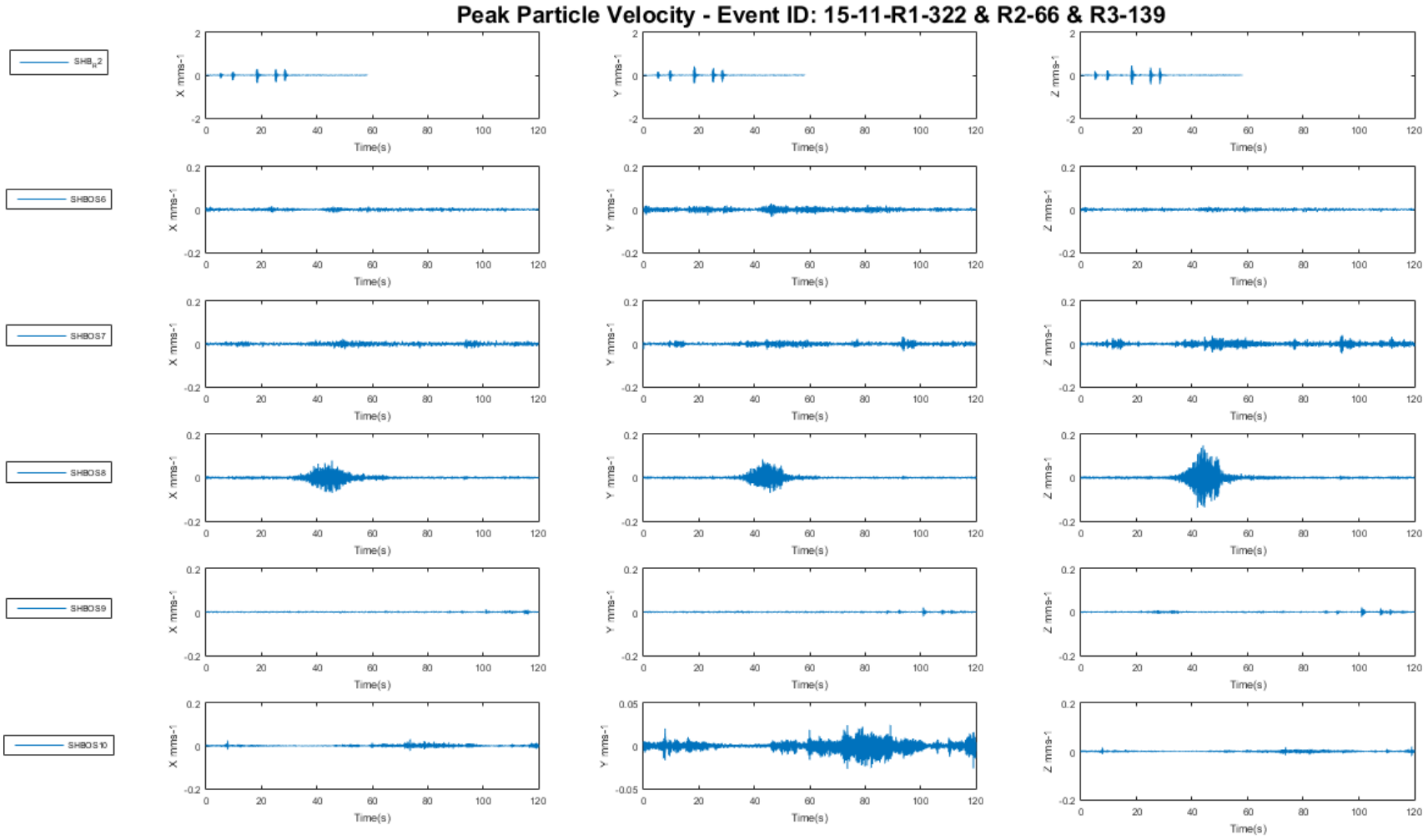


FIGURE 3.1469: SHB_OS 6 - 10 15-11-R1-322 & R2-66 & R3-139

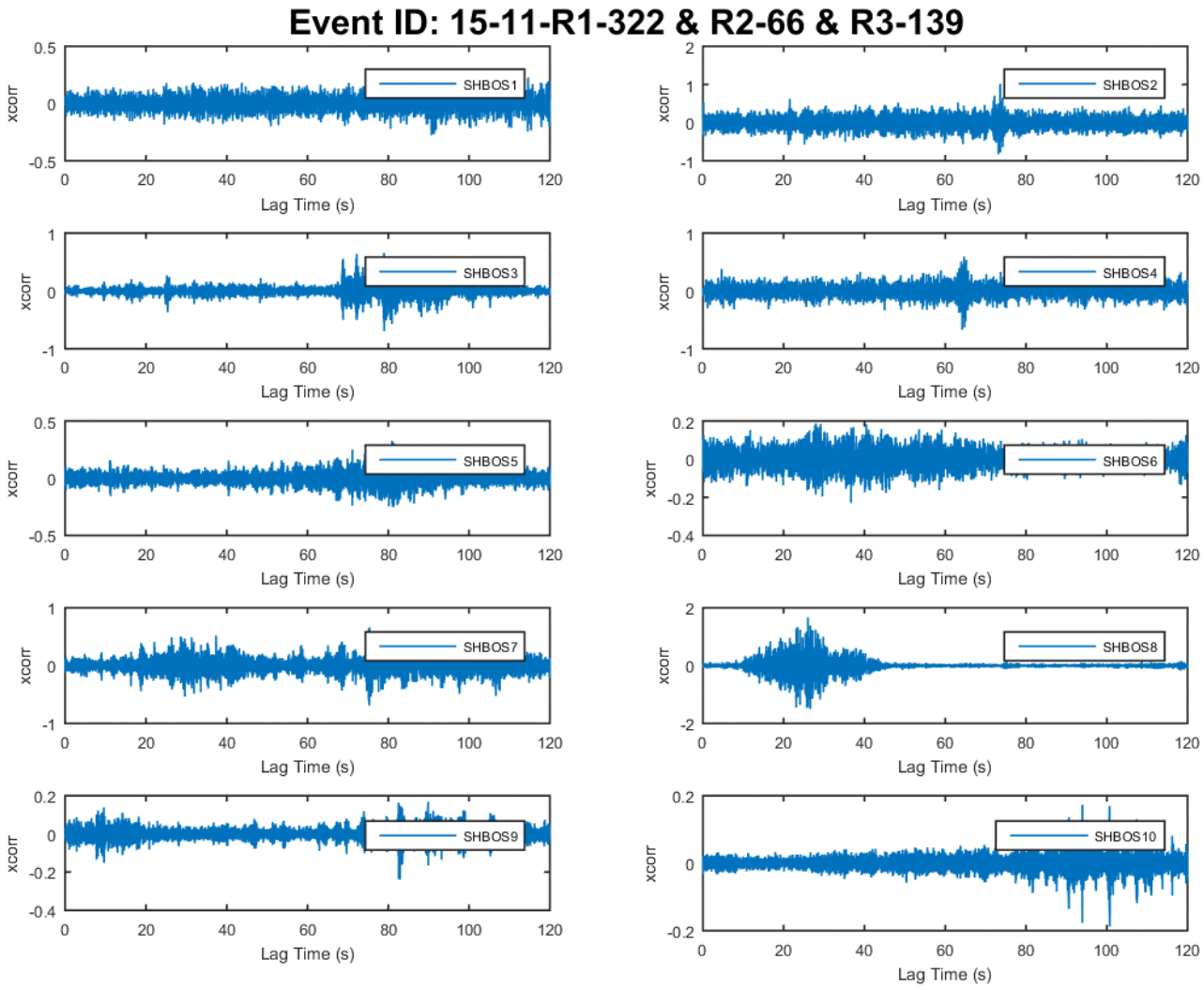


FIGURE 3.1470: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-322 & R2-66 & R3-139

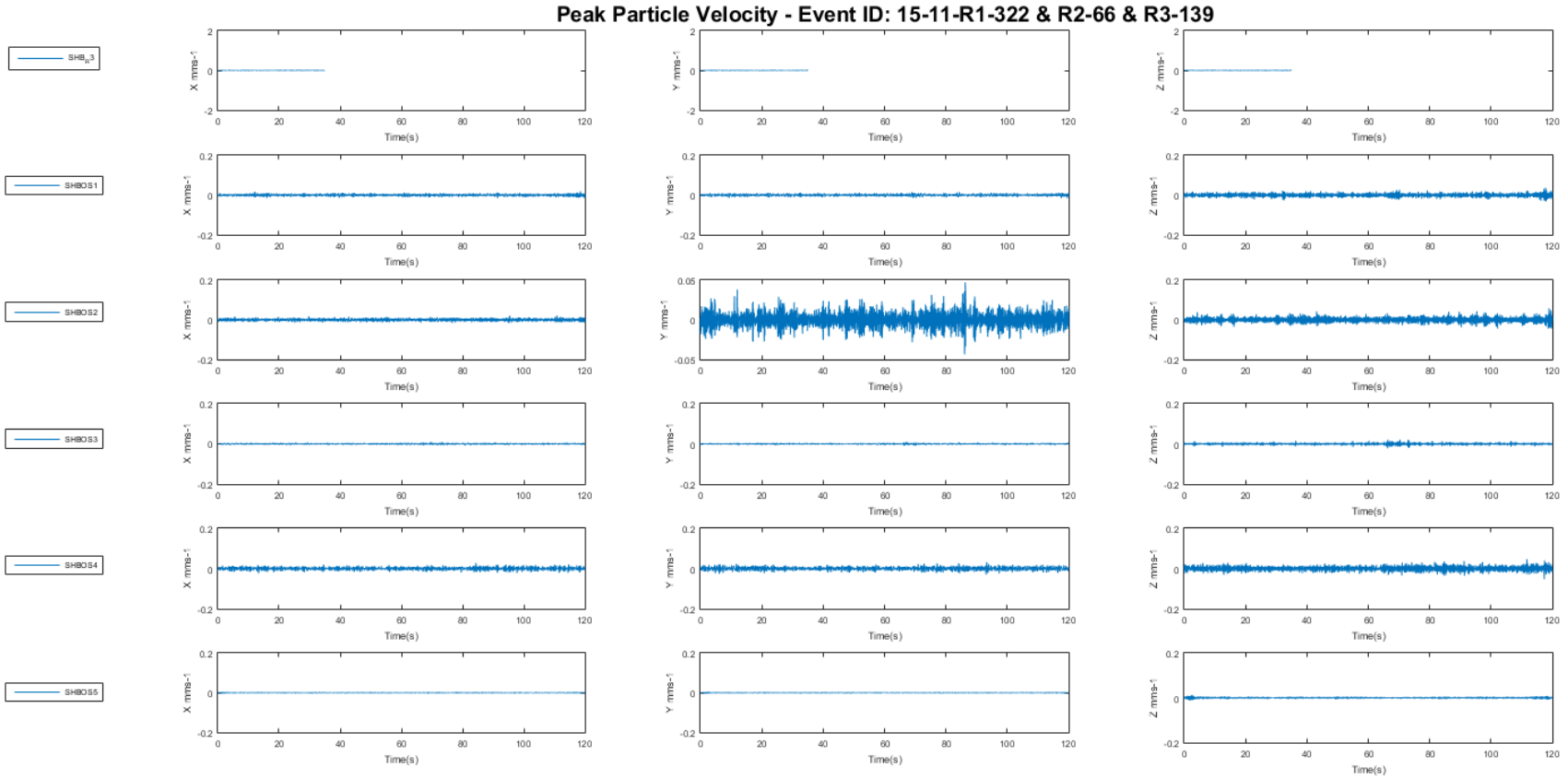


FIGURE 3.1471: SHB_OS 1 - 5 15-11-R1-322 & R2-66 & R3-139

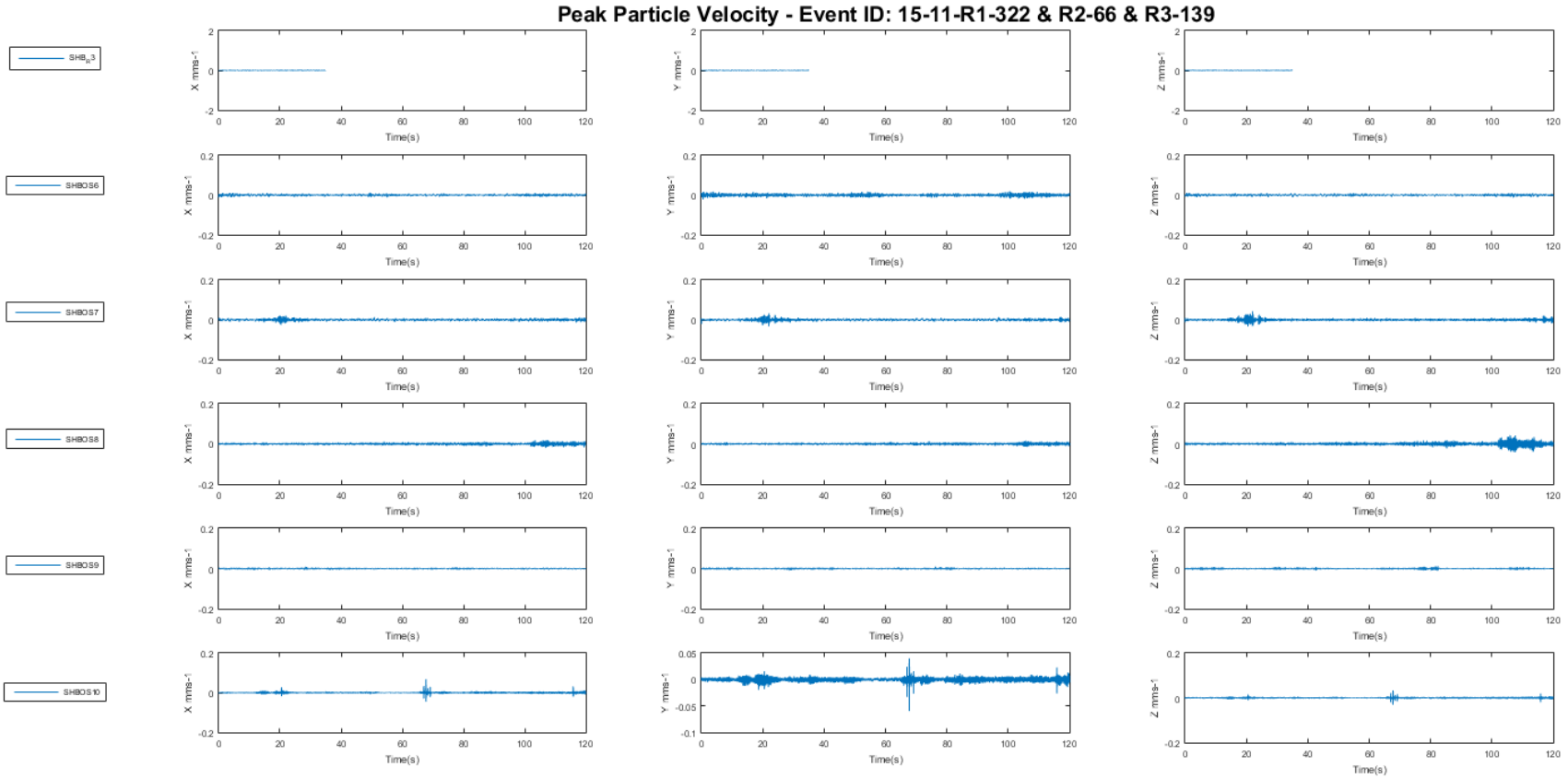


FIGURE 3.1472: SHB_OS 6 - 10 15-11-R1-322 & R2-66 & R3-139

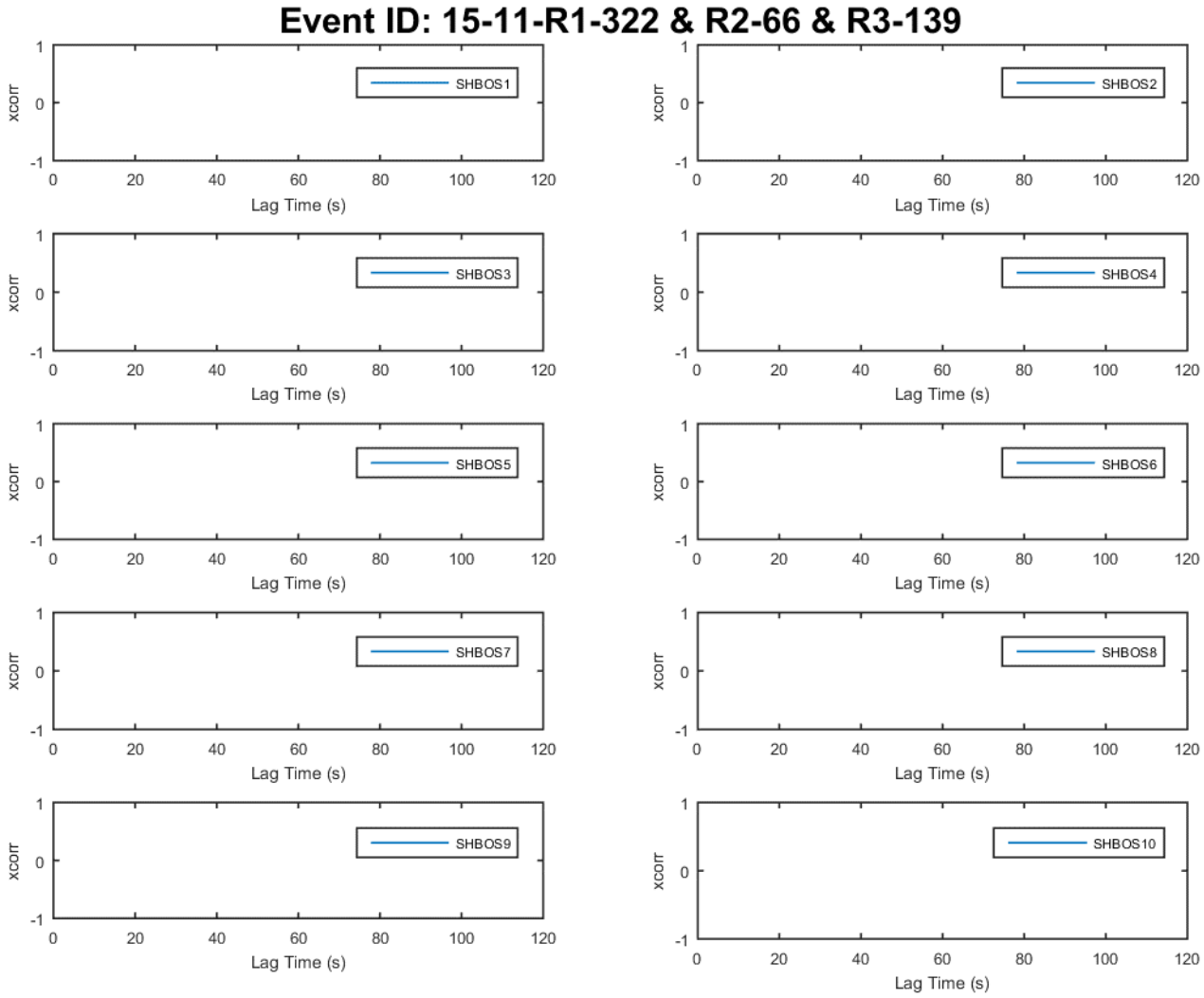


FIGURE 3.1473: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-322 & R2-66 & R3-139

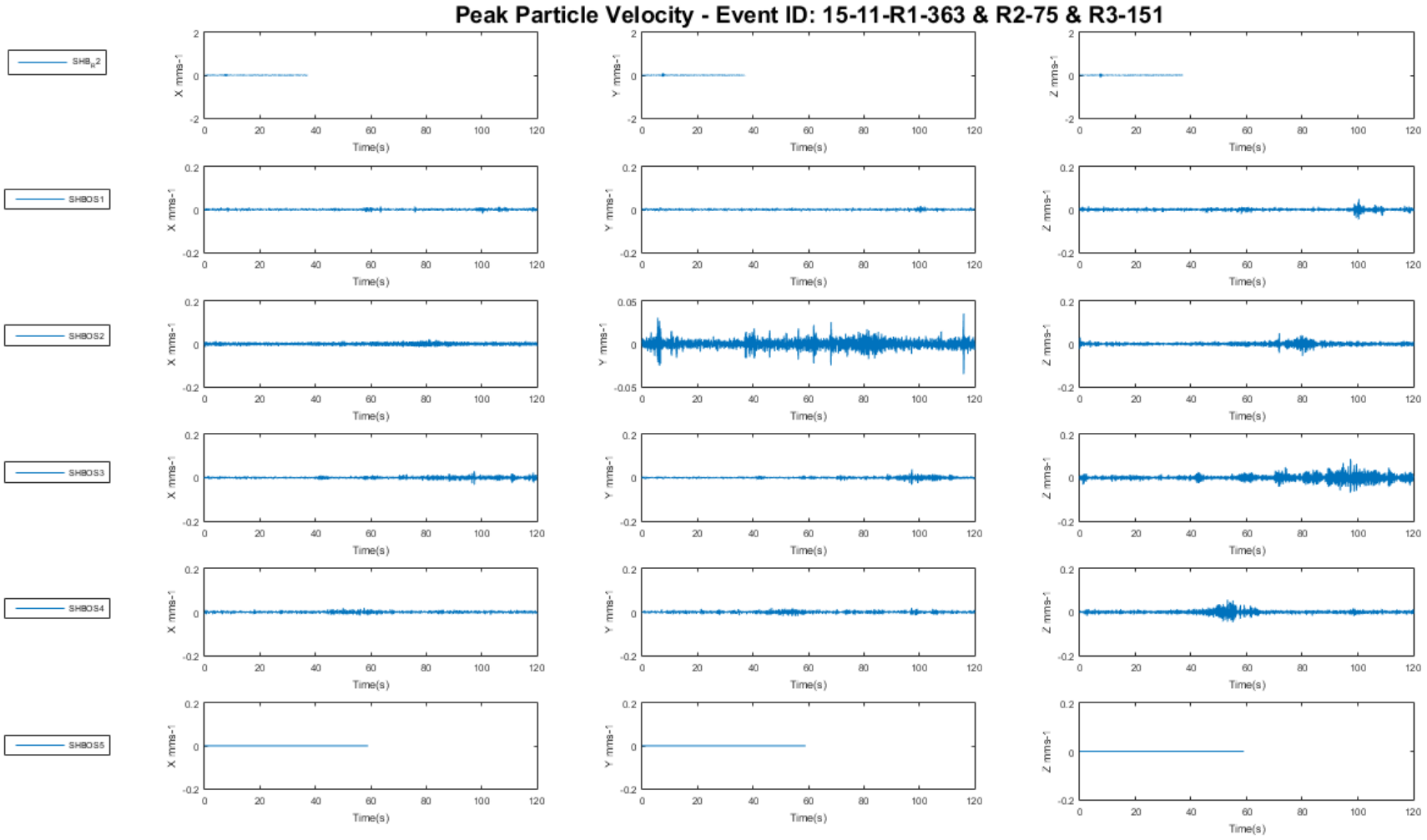


FIGURE 3.1474: SHB_OS 1 - 5 15-11-R1-363 & R2-75 & R3-151

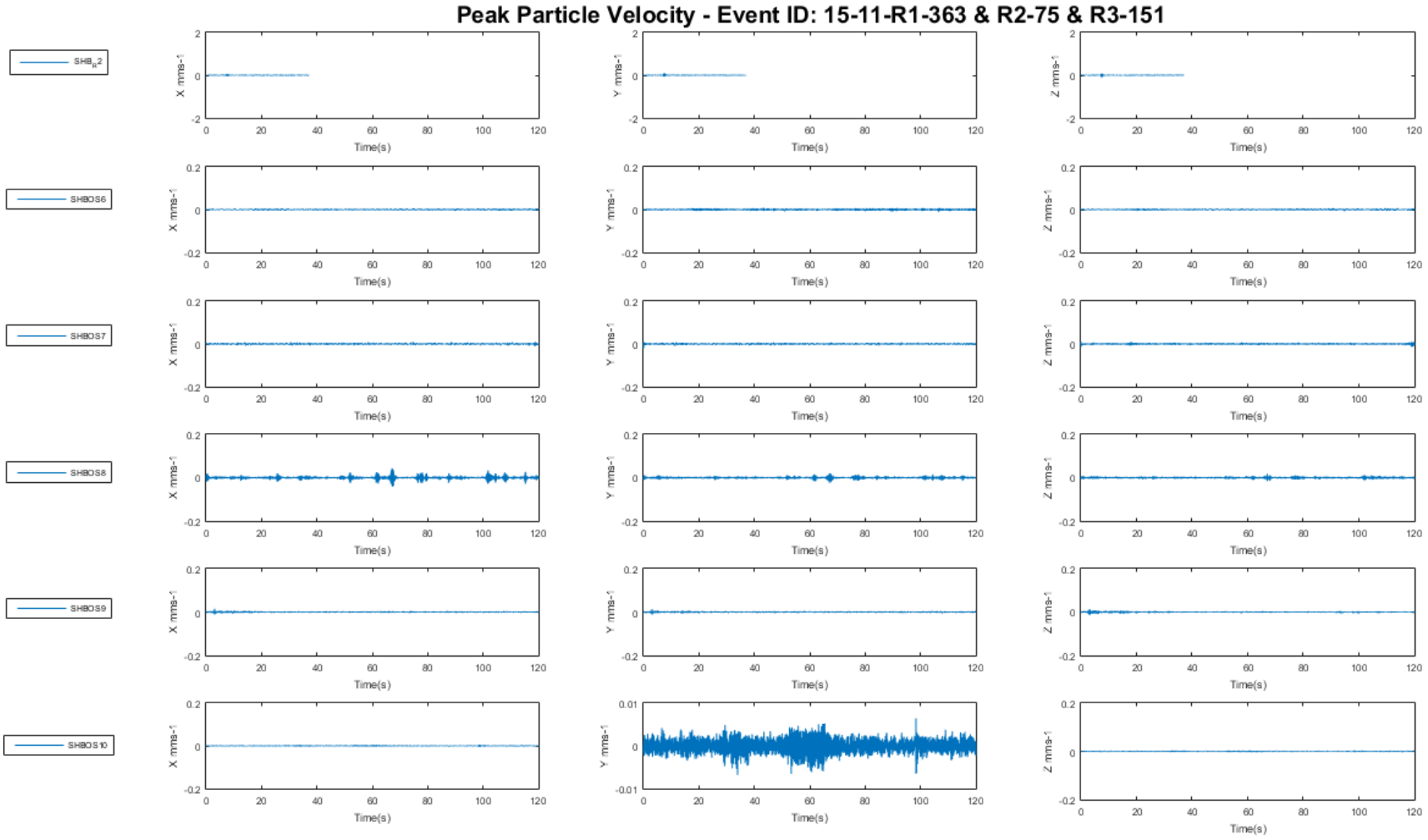


FIGURE 3.1475: SHB_OS 6 - 10 15-11-R1-363 & R2-75 & R3-151

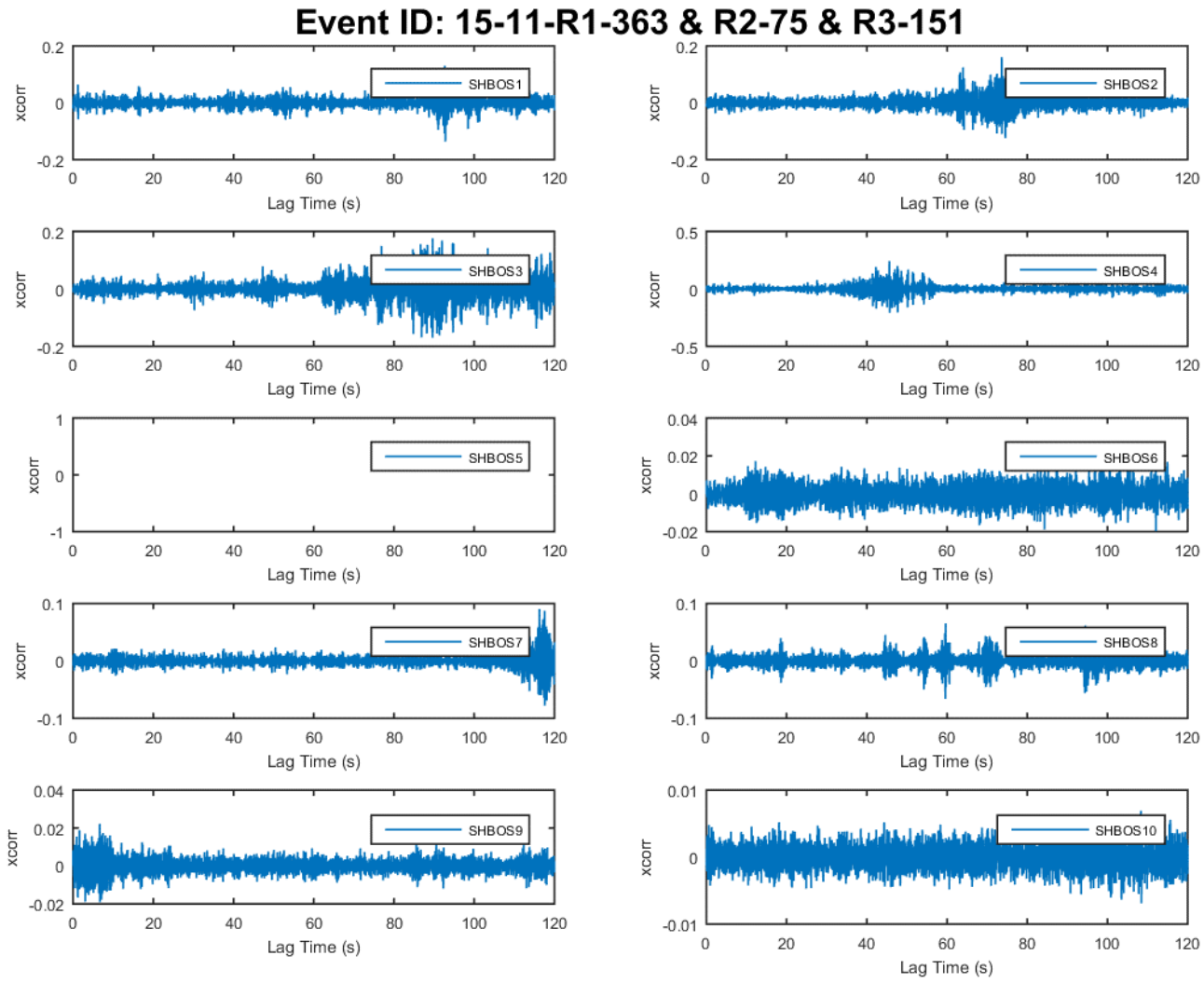


FIGURE 3.1476: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-363 & R2-75 & R3-151

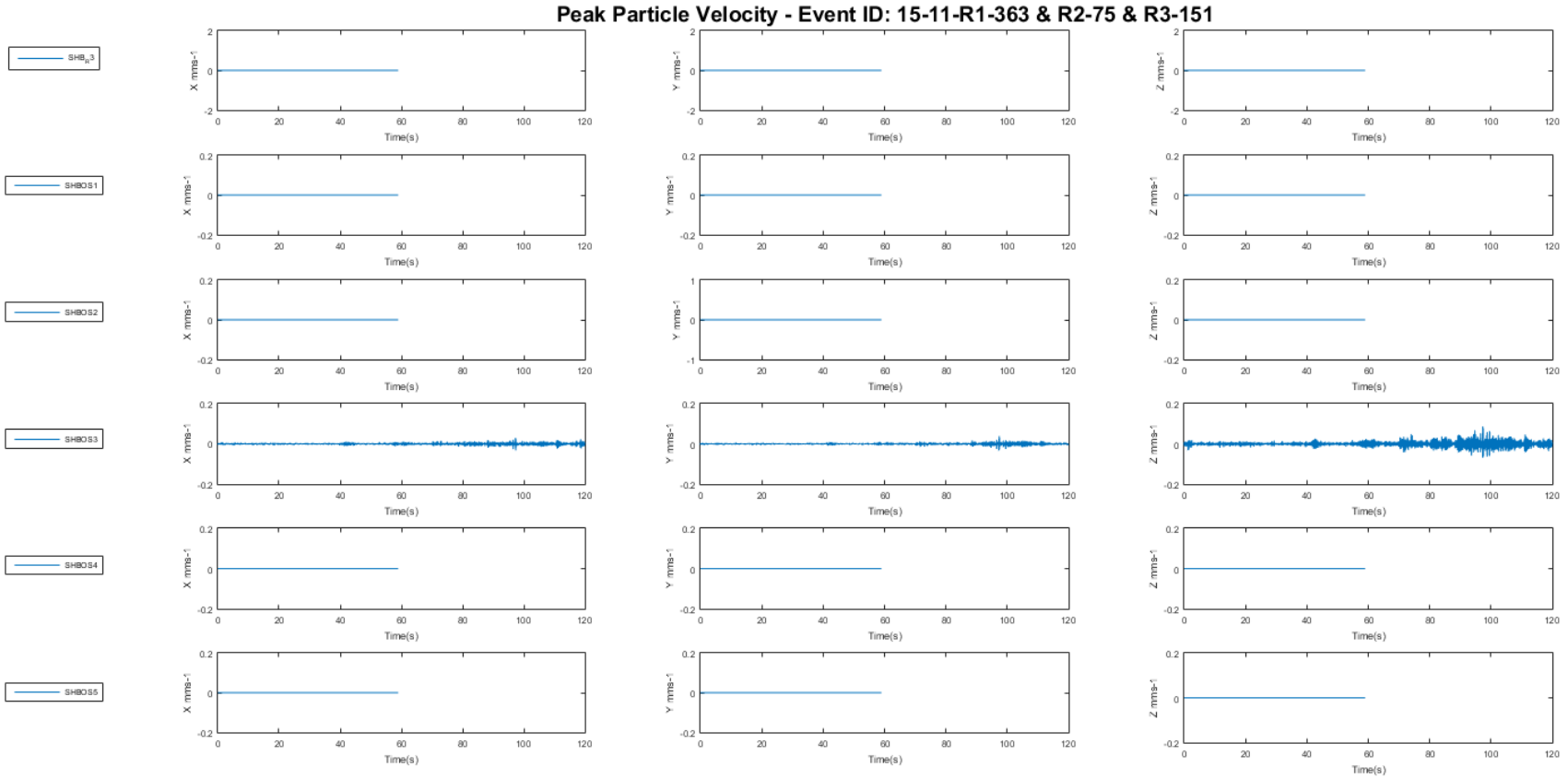


FIGURE 3.1477: SHB_OS 1 - 5 15-11-R1-363 & R2-75 & R3-151

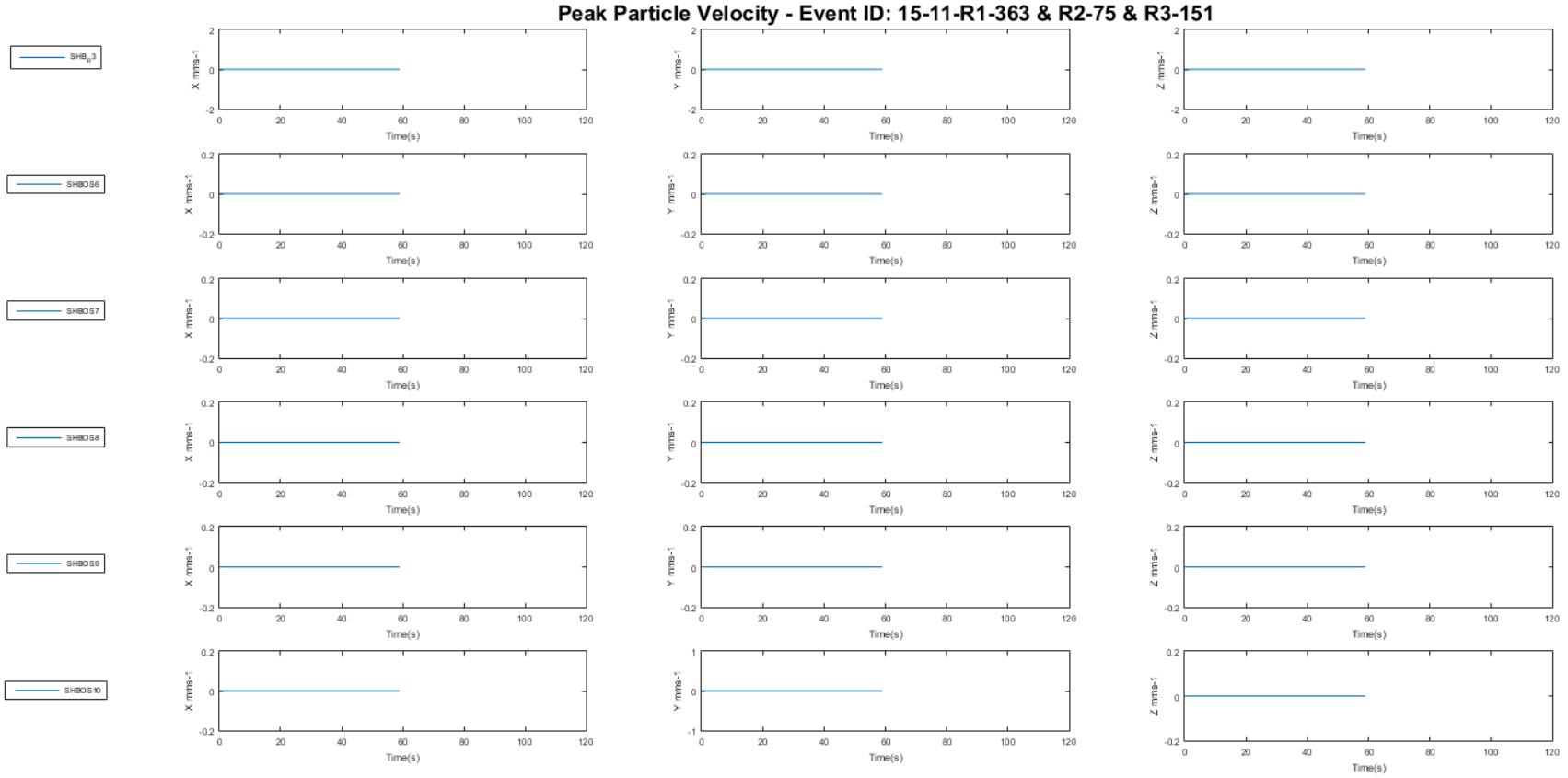


FIGURE 3.1478: SHB_OS 6 - 10 15-11-R1-363 & R2-75 & R3-151

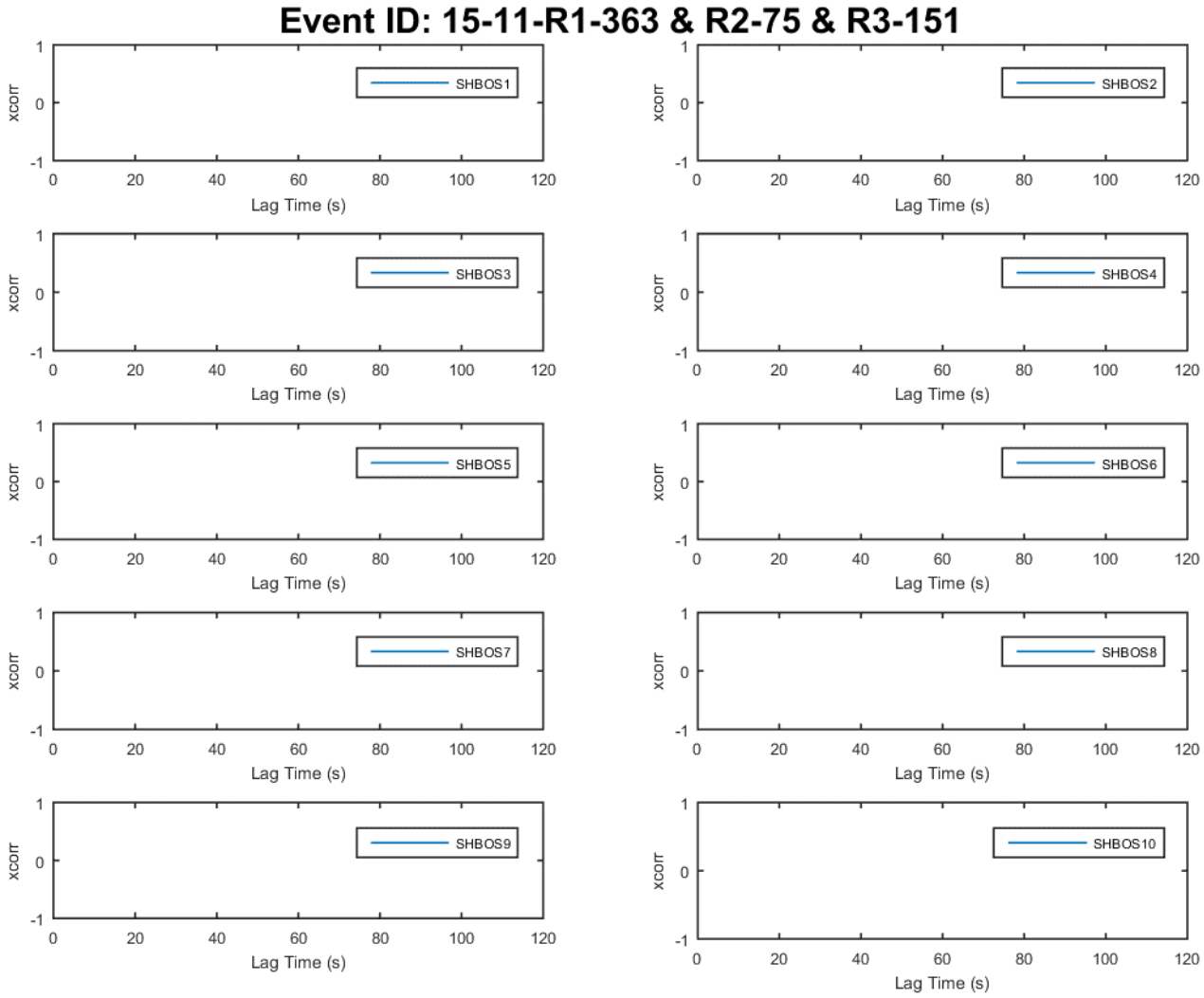


FIGURE 3.1479: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-363 & R2-75 & R3-151

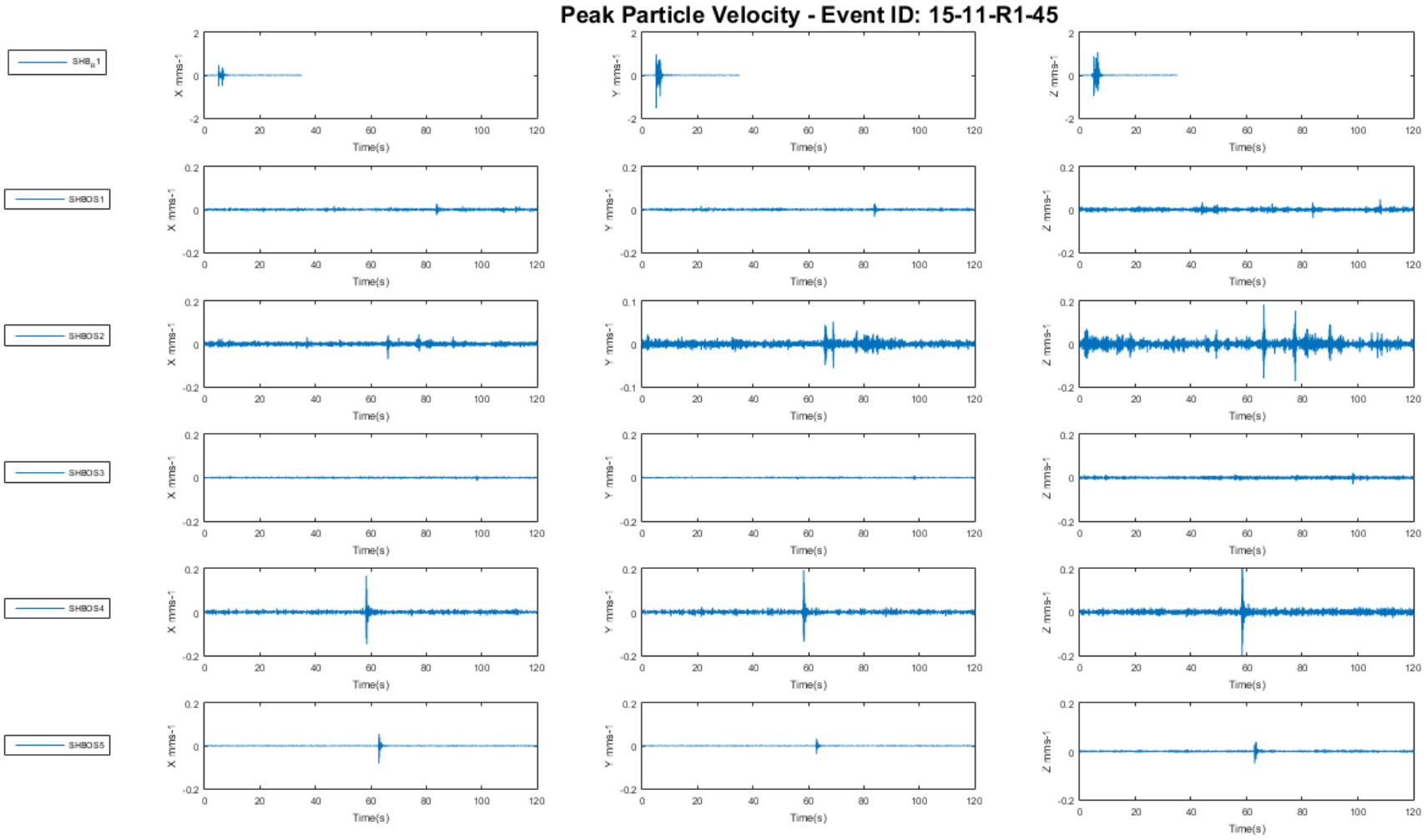


FIGURE 3.1480: SHB_OS 1 - 5 15-11-R1-45

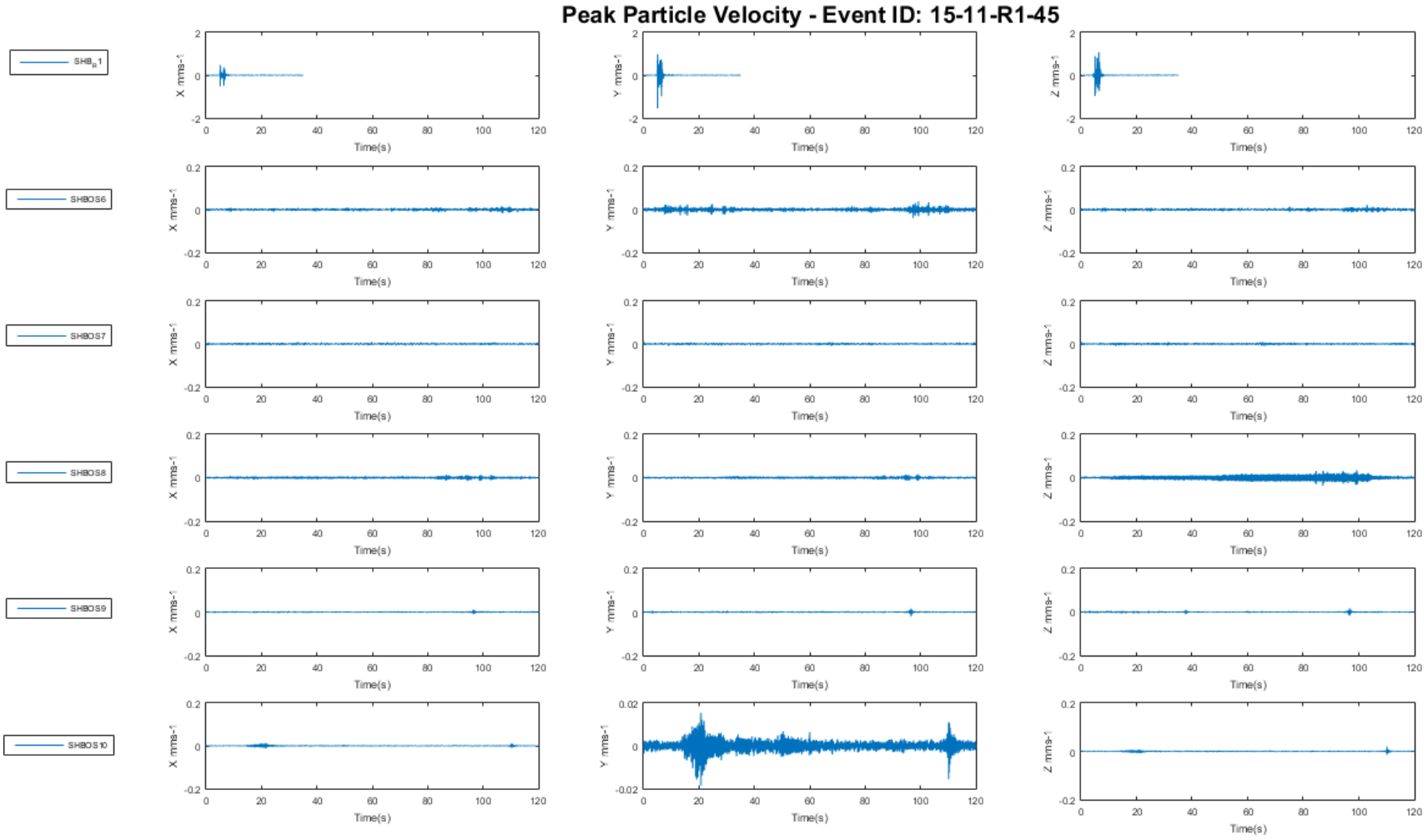


FIGURE 3.1481: SHB_OS 6 - 10 15-11-R1-45

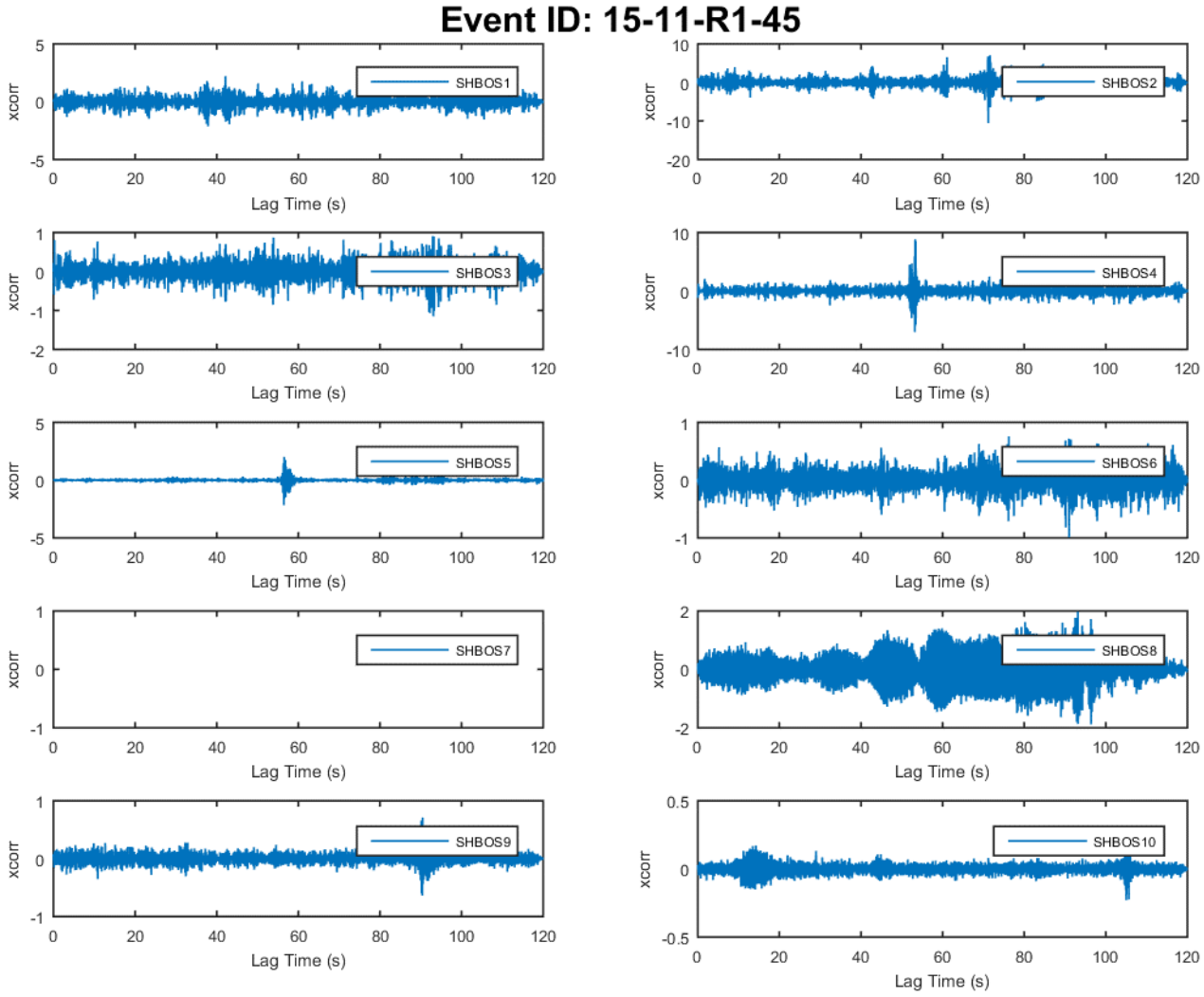


FIGURE 3.1482: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-45

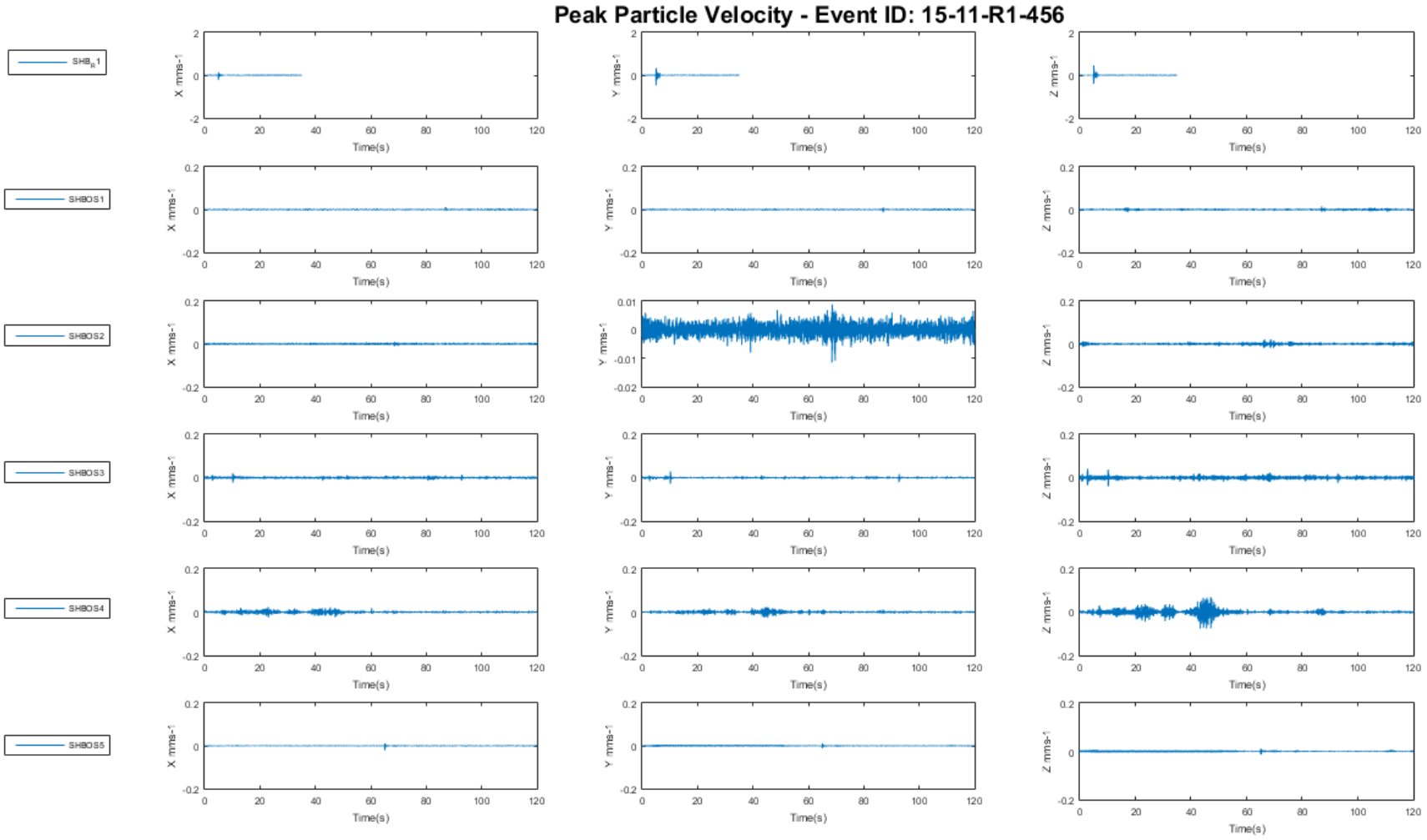


FIGURE 3.1483: SHB_OS 1 - 5 15-11-R1-456

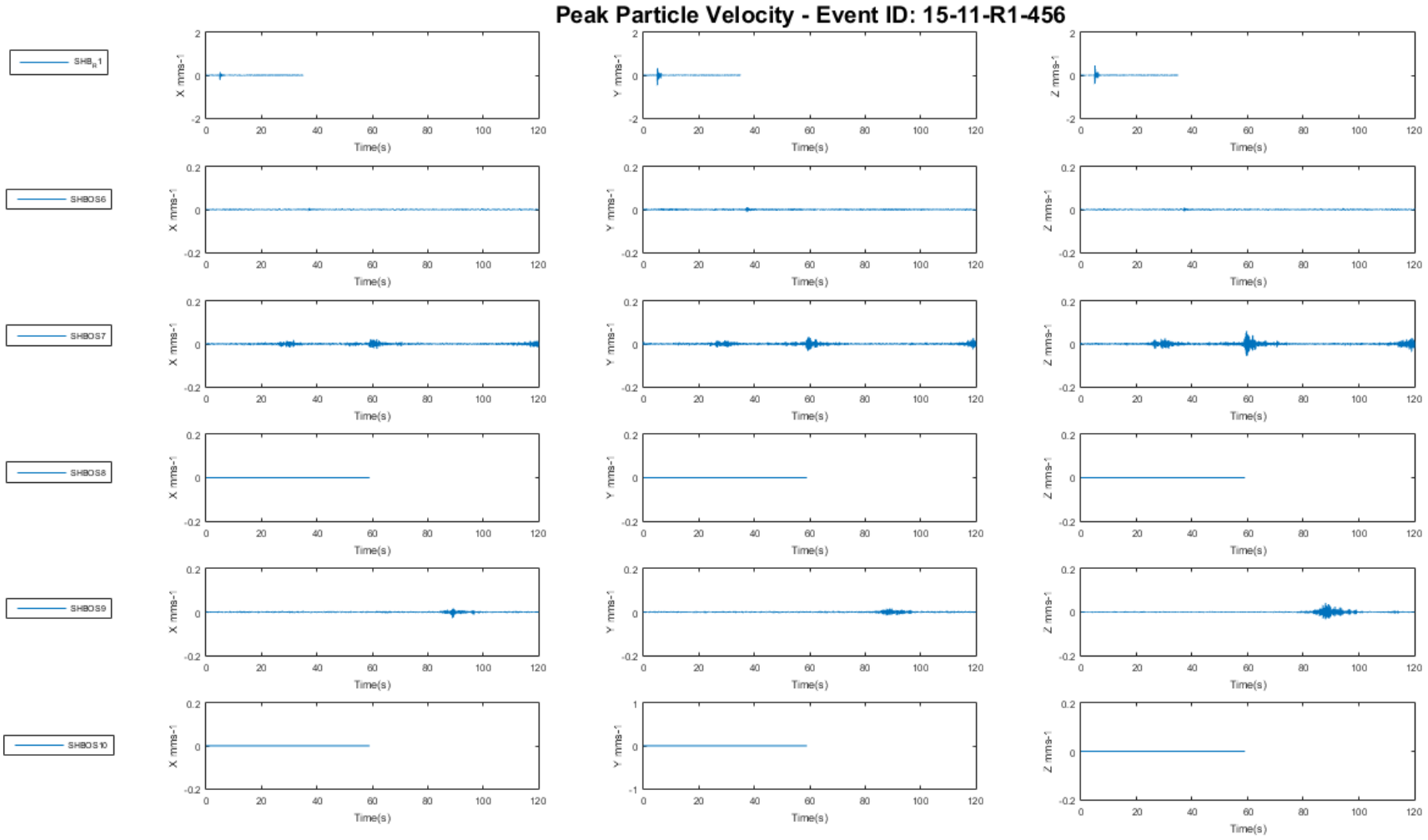


FIGURE 3.1484: SHB_OS 6 - 10 15-11-R1-456

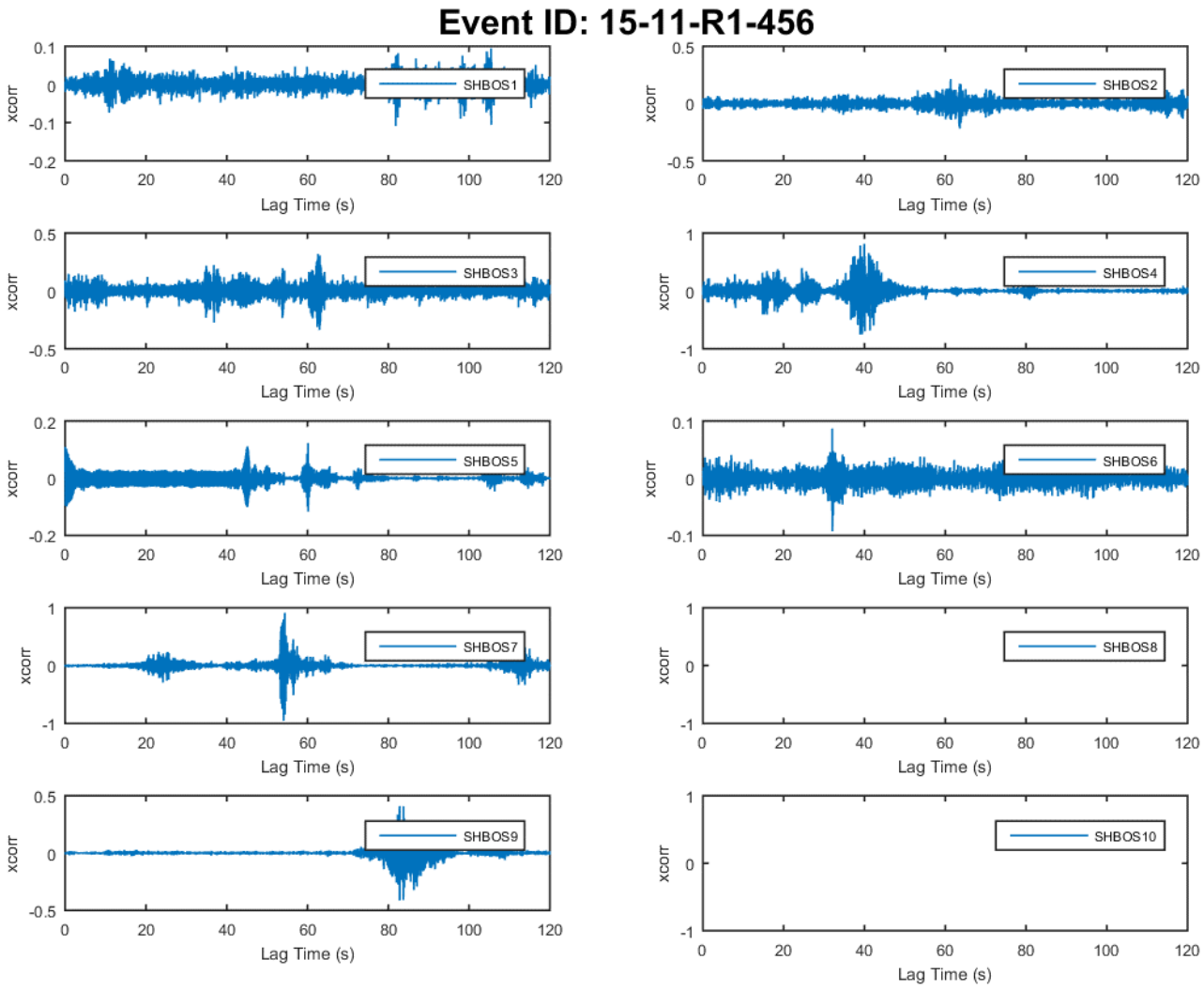


FIGURE 3.1485: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-456

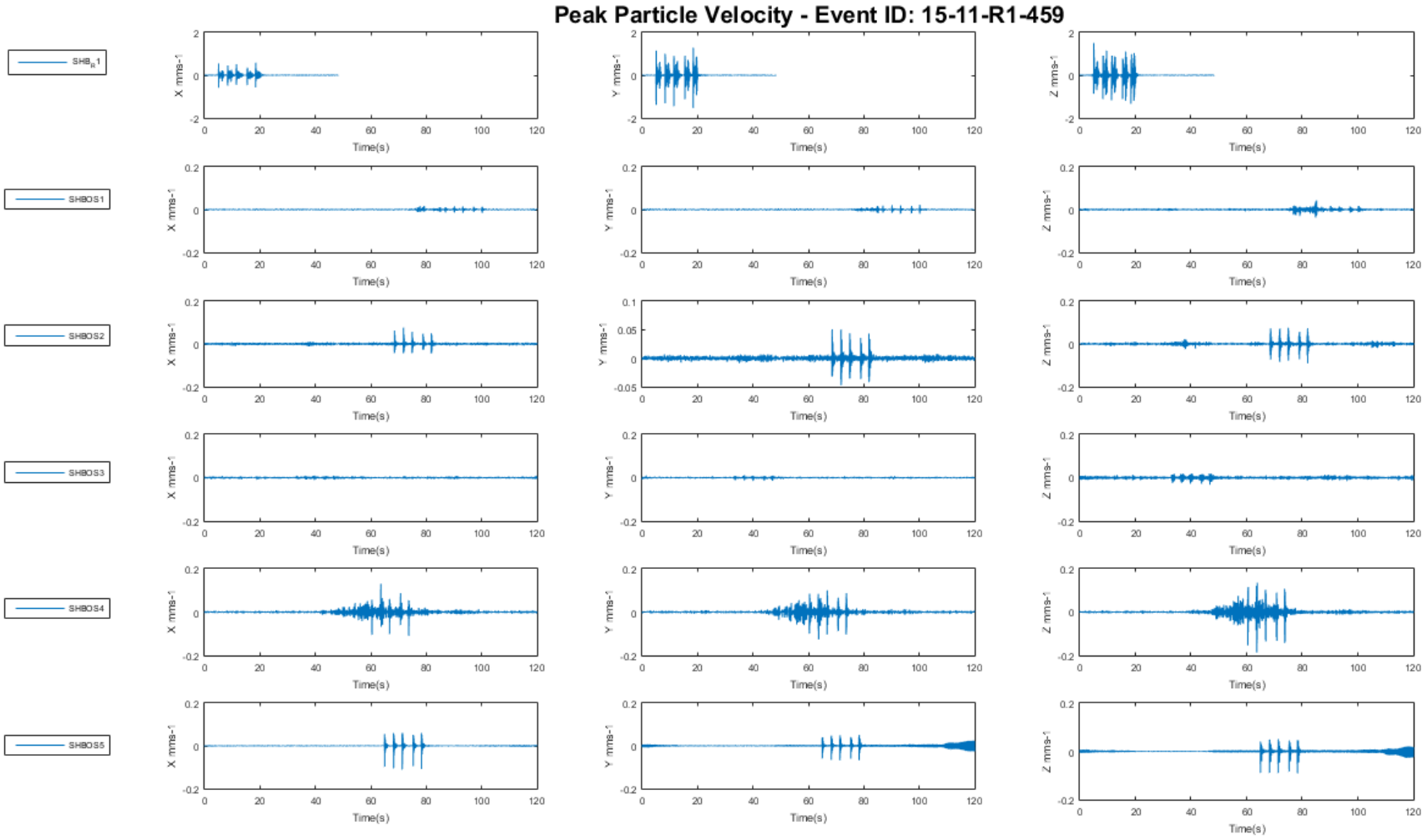


FIGURE 3.1486: SHB_OS 1 - 5 15-11-R1-459

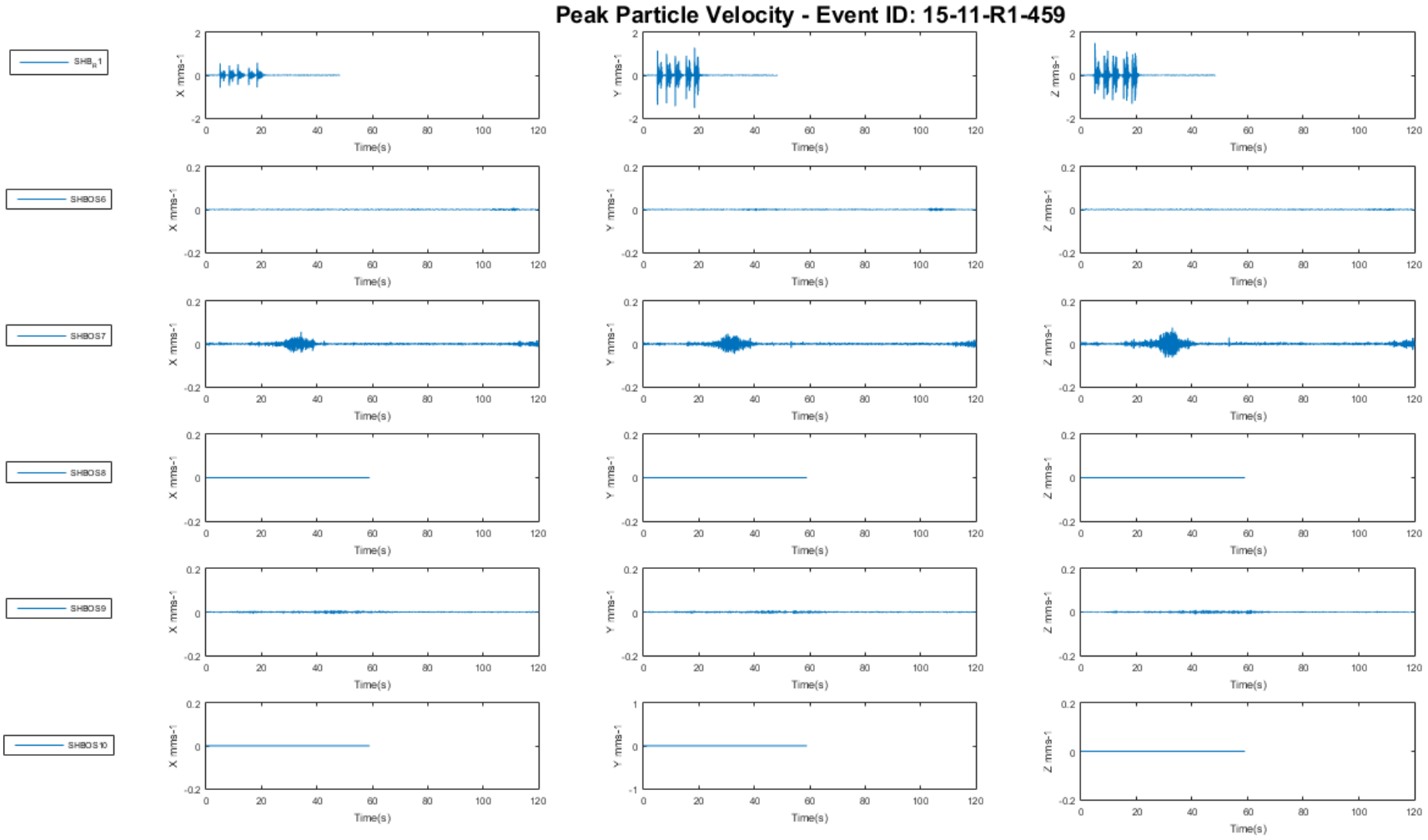


FIGURE 3.1487: SHB_OS 6 - 10 15-11-R1-459

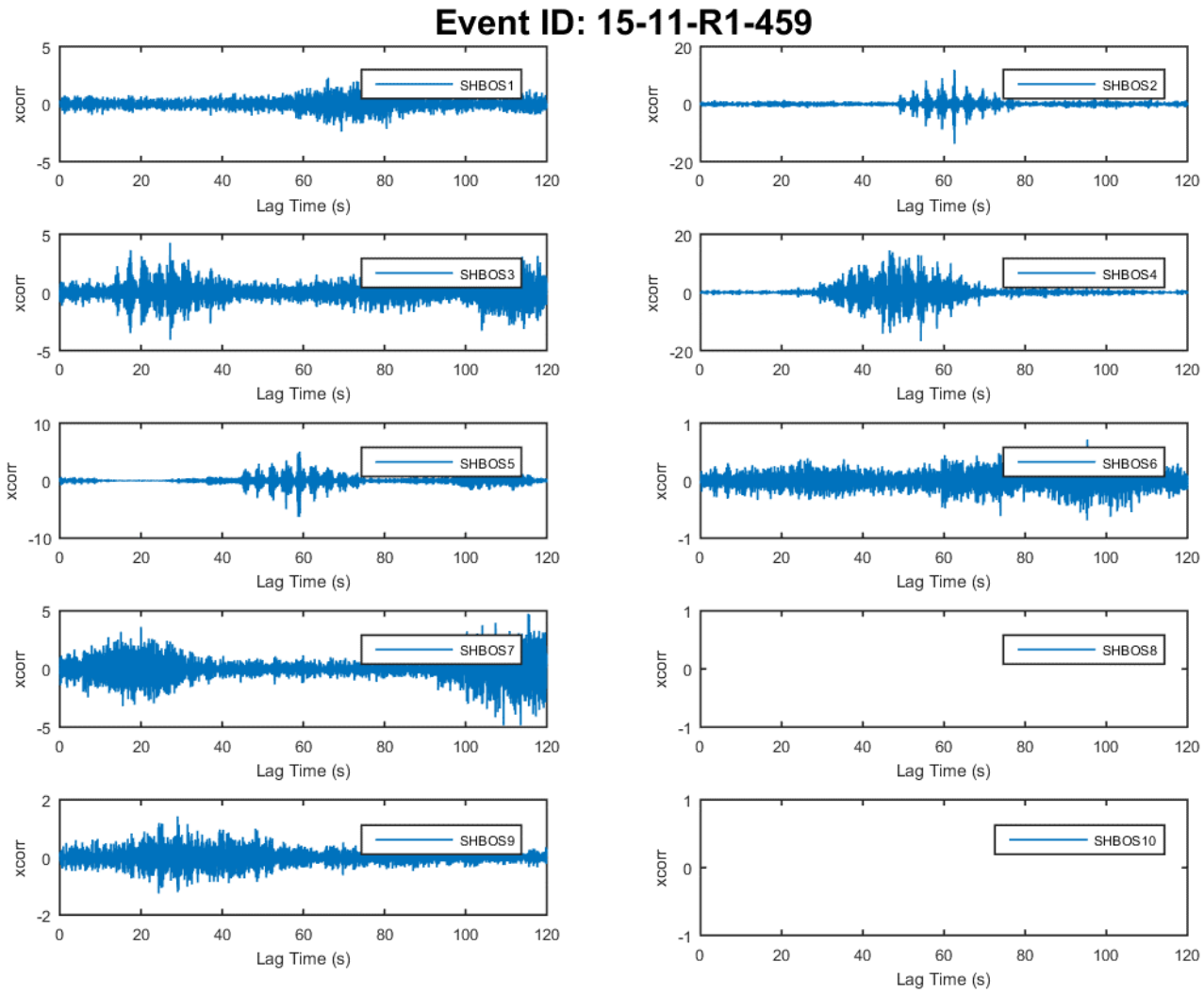


FIGURE 3.1488: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-459

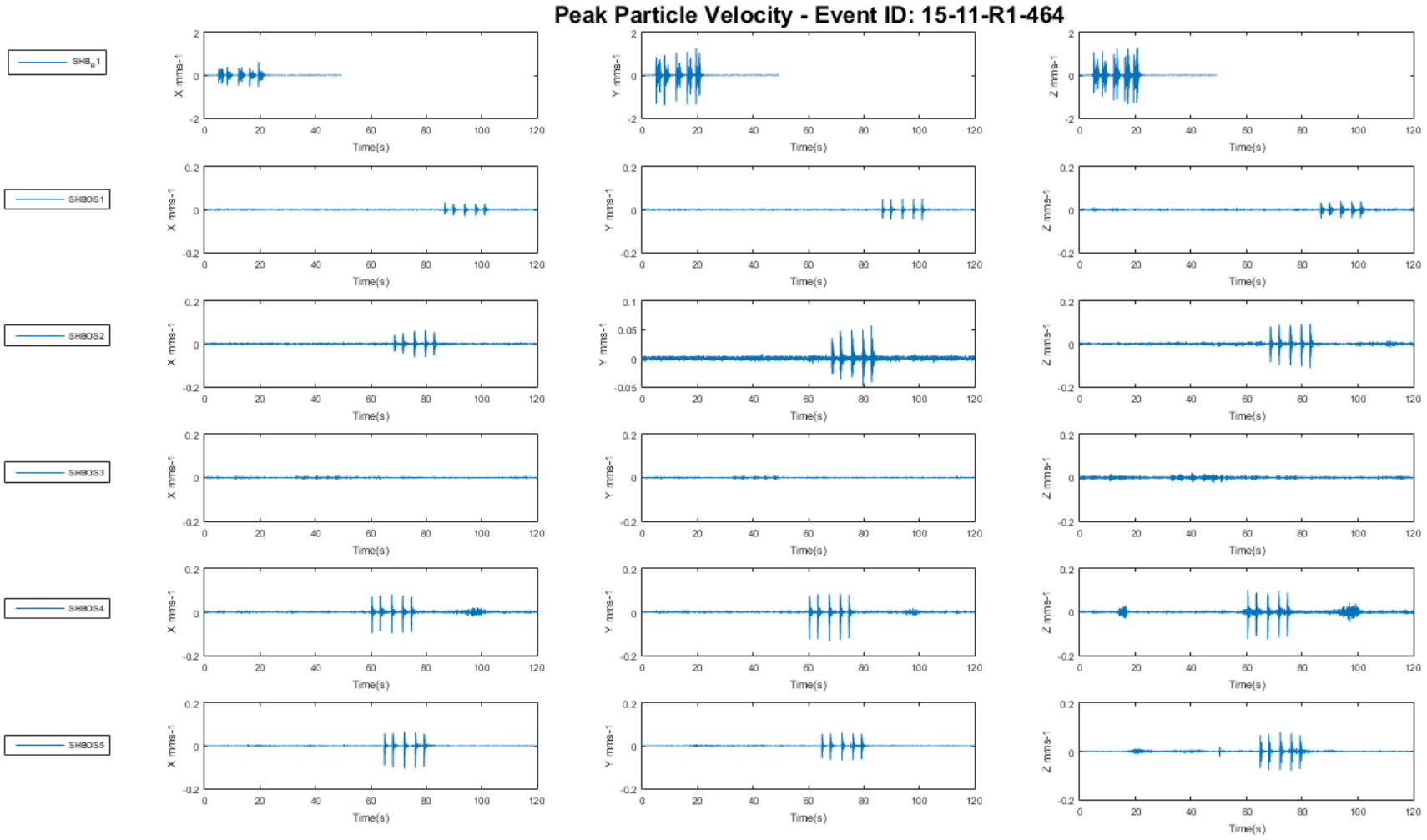


FIGURE 3.1489: SHB_OS 1 - 5 15-11-R1-464

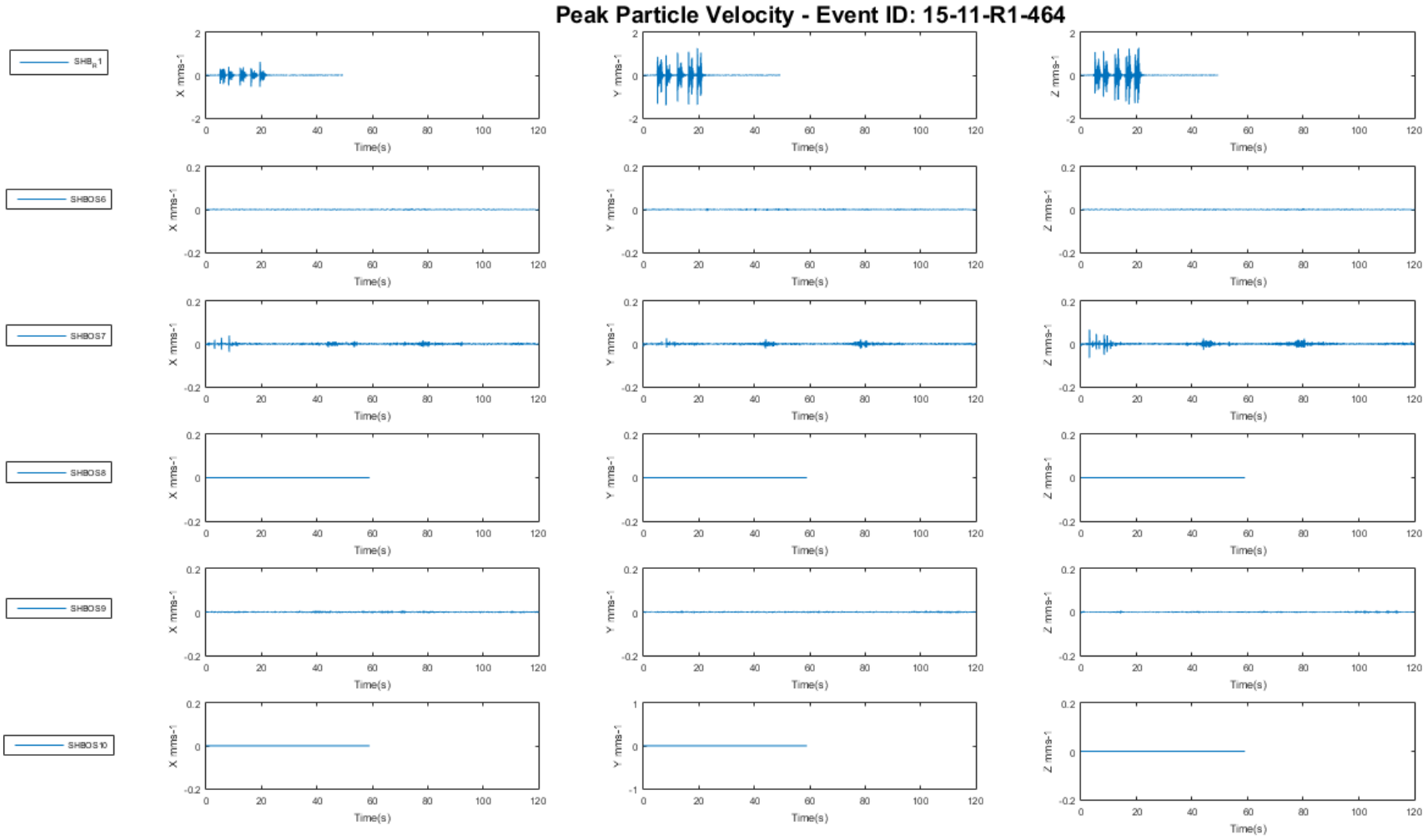


FIGURE 3.1490: SHB_OS 6 - 10 15-11-R1-464

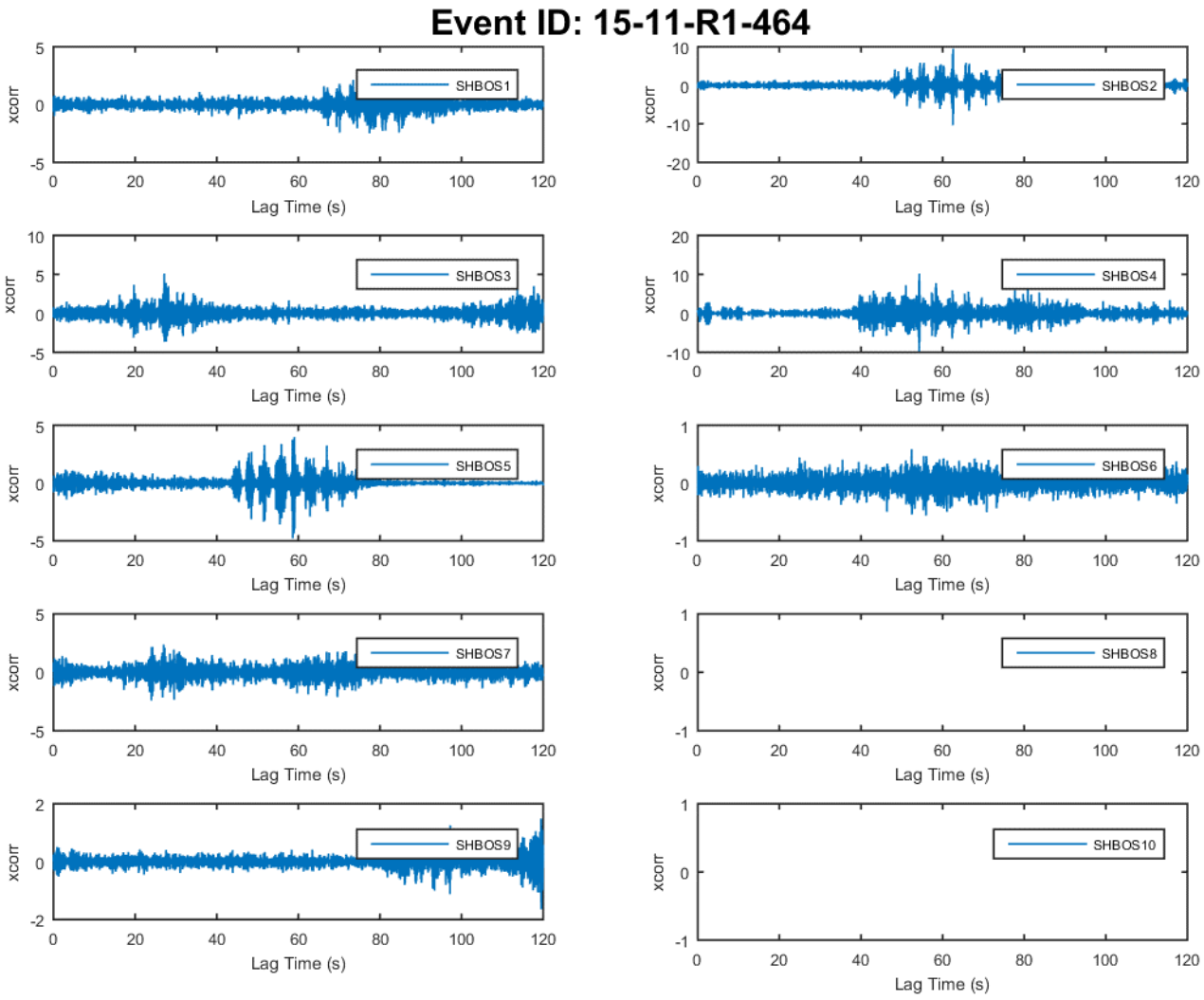


FIGURE 3.1491: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-464

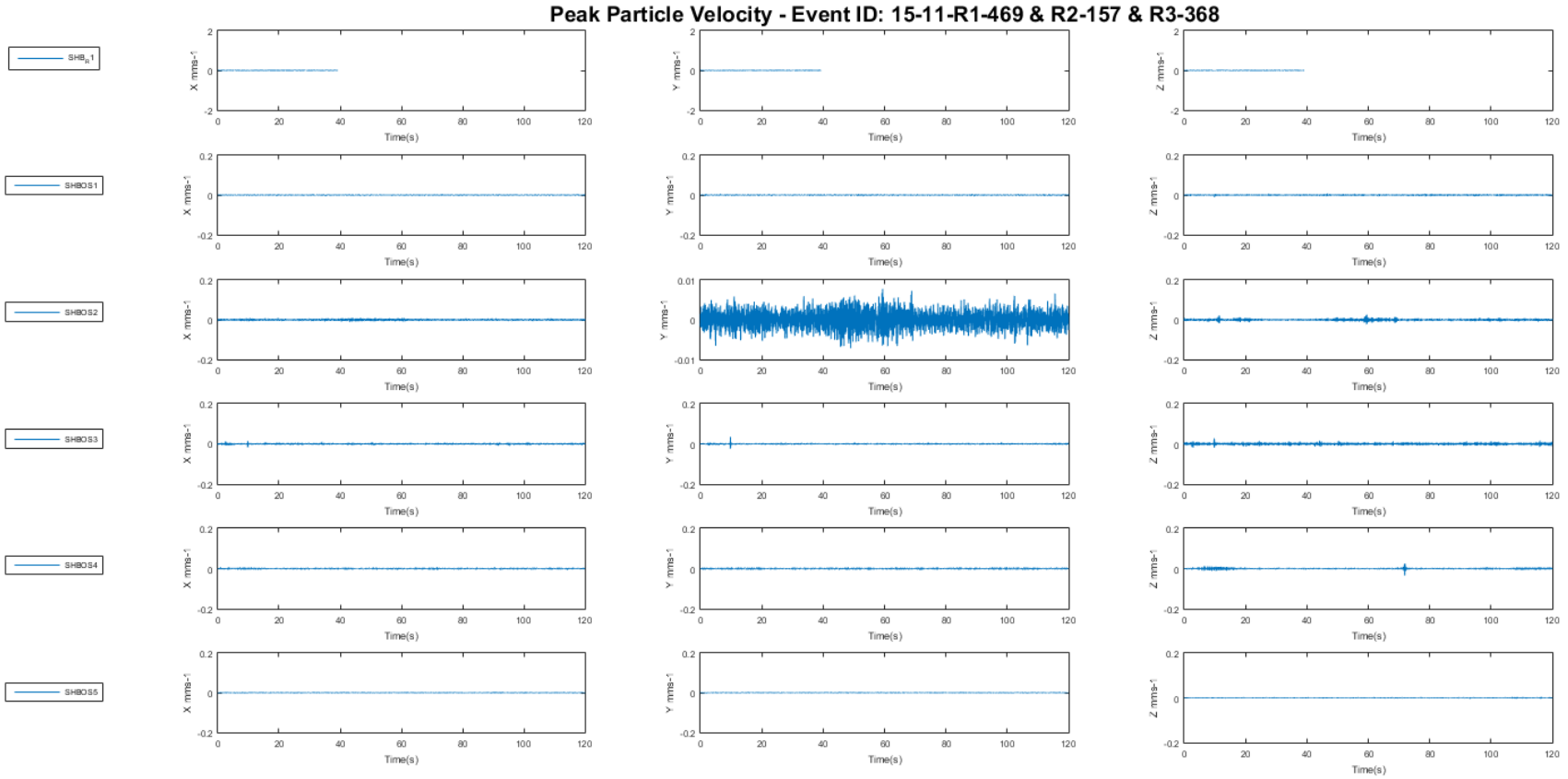


FIGURE 3.1492: SHB_OS 1 - 5 15-11-R1-469 & R2-157 & R3-368

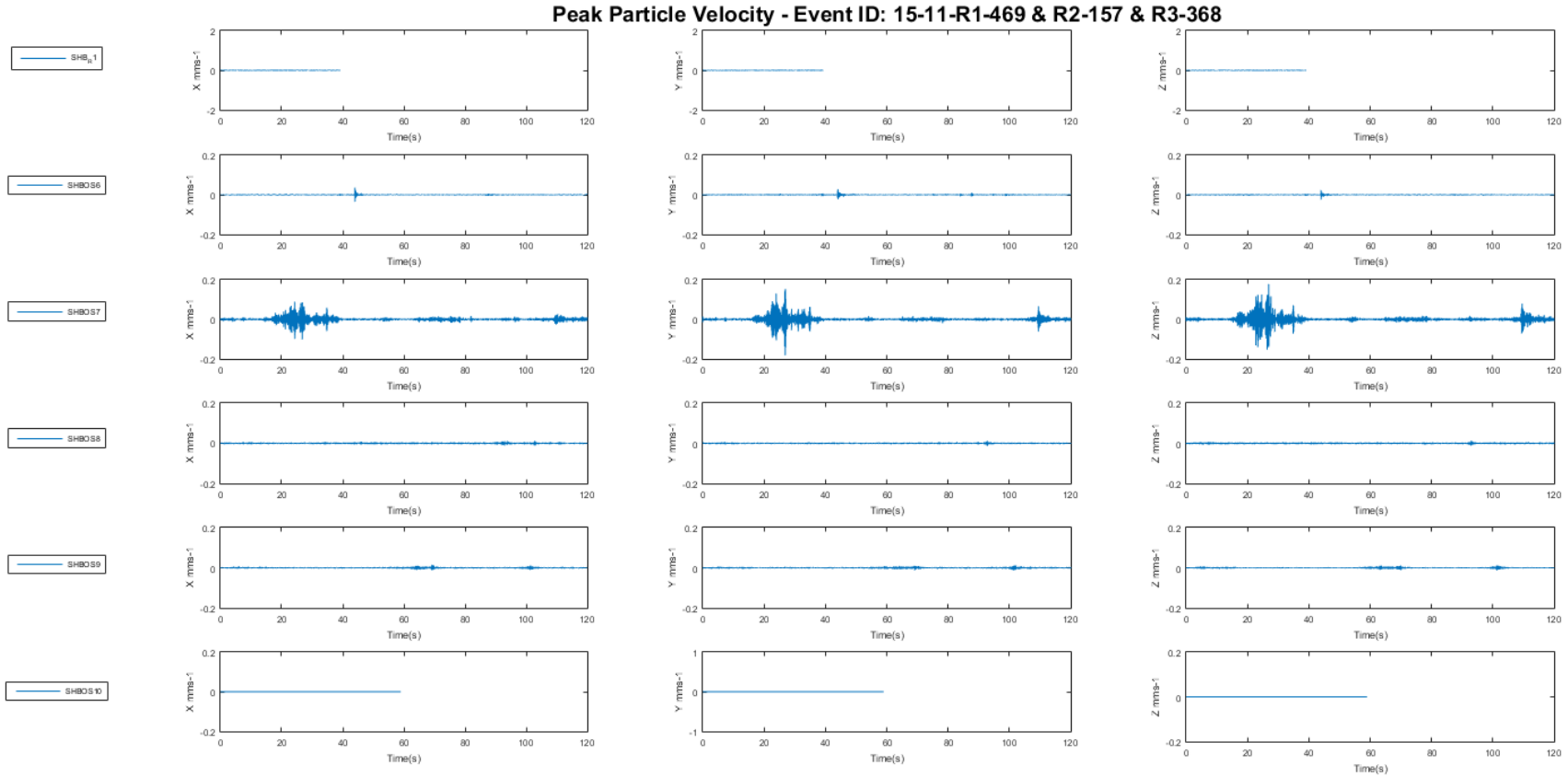


FIGURE 3.1493: SHB_OS 6 - 10 15-11-R1-469 & R2-157 & R3-368

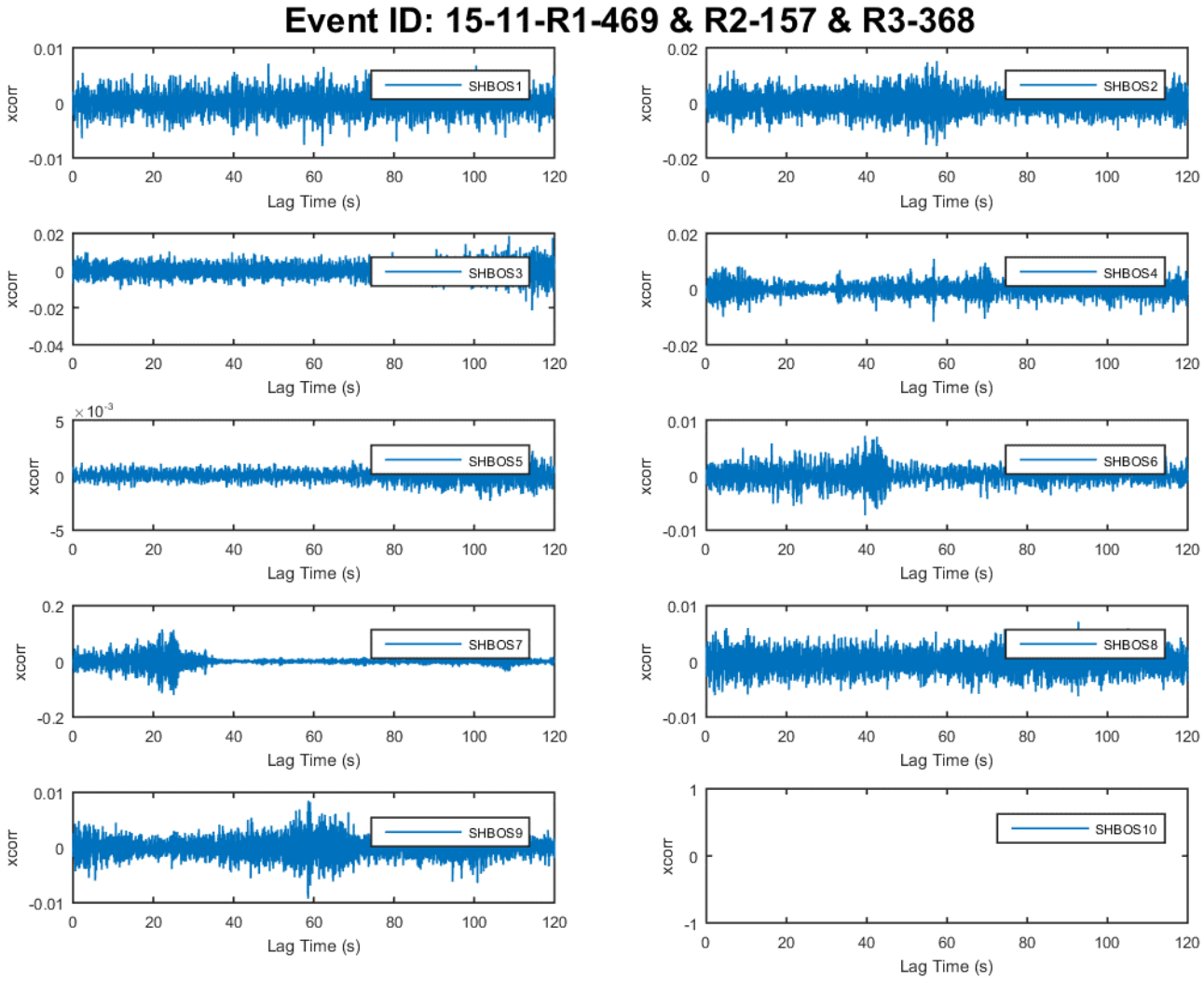


FIGURE 3.1494: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-469 & R2-157 & R3-368

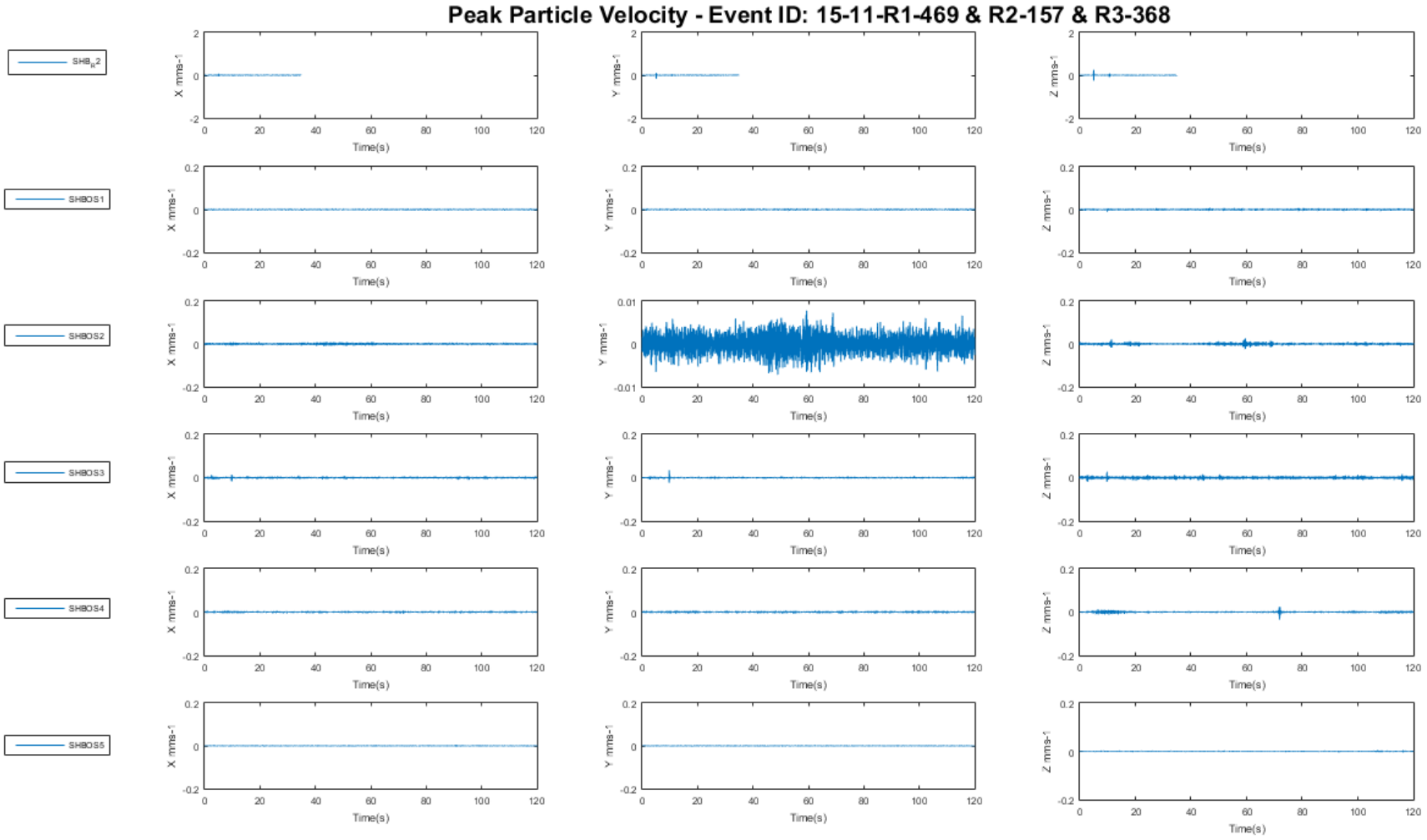


FIGURE 3.1495: SHB_OS 1 - 5 15-11-R1-469 & R2-157 & R3-368

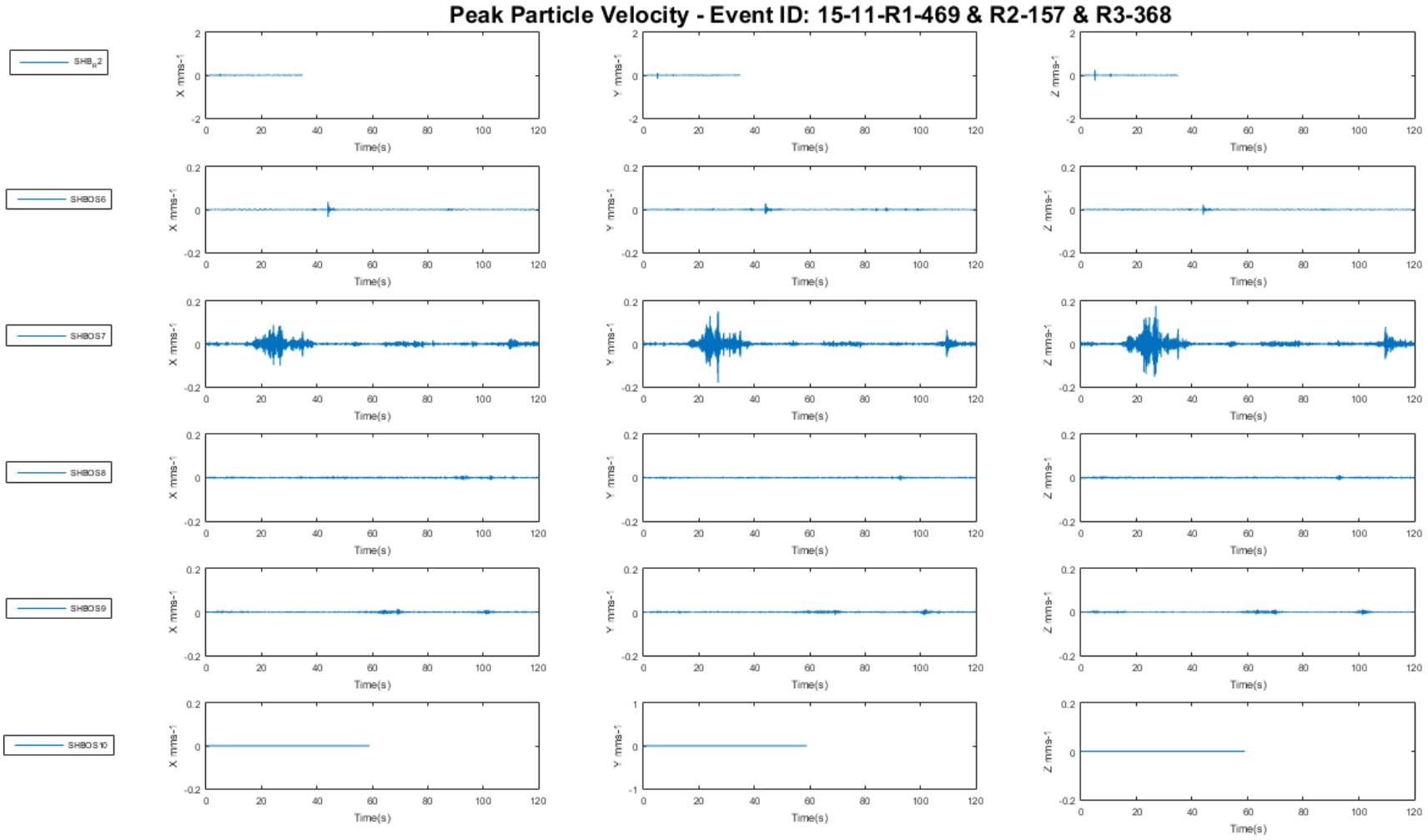


FIGURE 3.1496: SHB_OS 6 - 10 15-11-R1-469 & R2-157 & R3-368

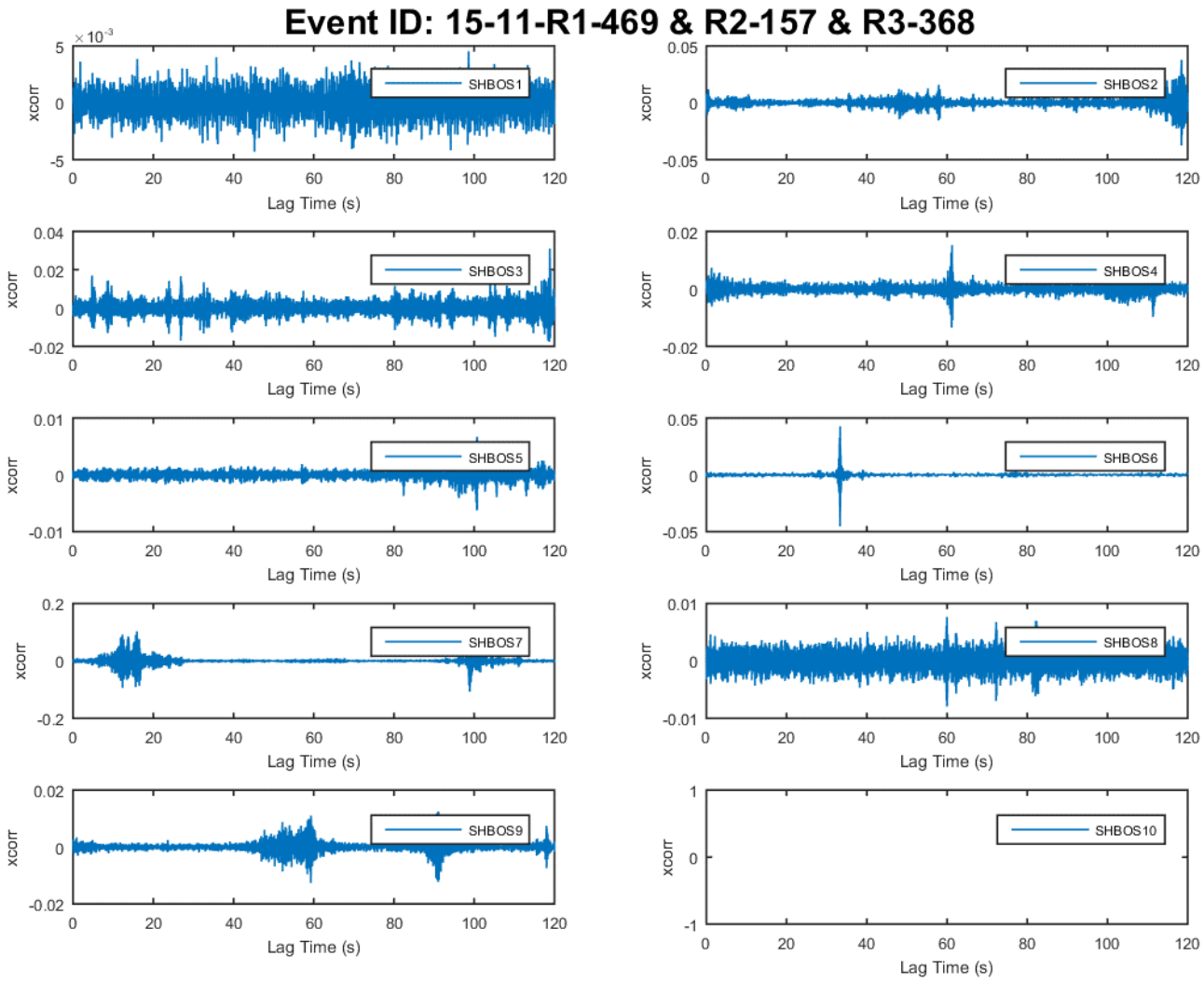


FIGURE 3.1497: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-469 & R2-157 & R3-368

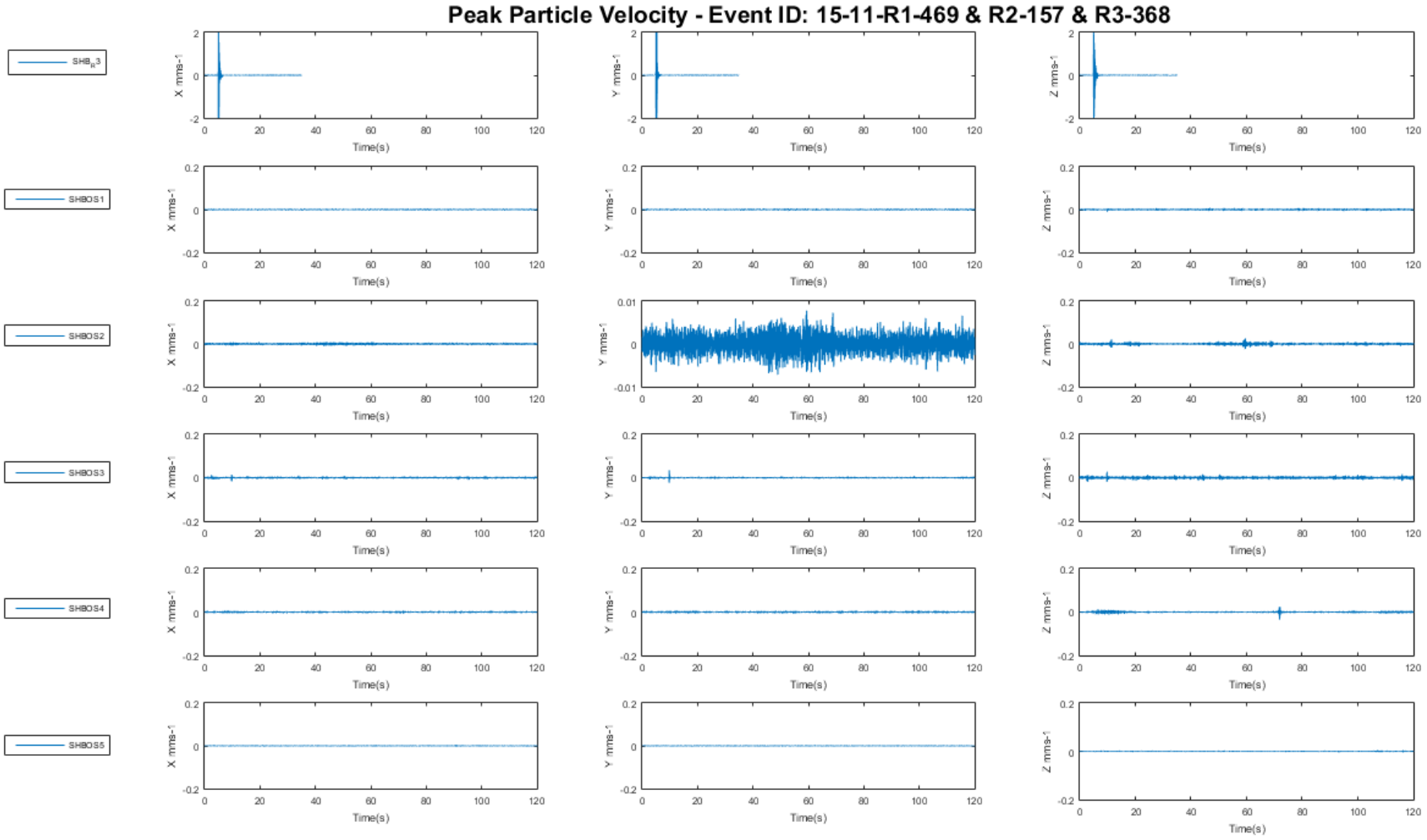


FIGURE 3.1498: SHB_OS 1 - 5 15-11-R1-469 & R2-157 & R3-368

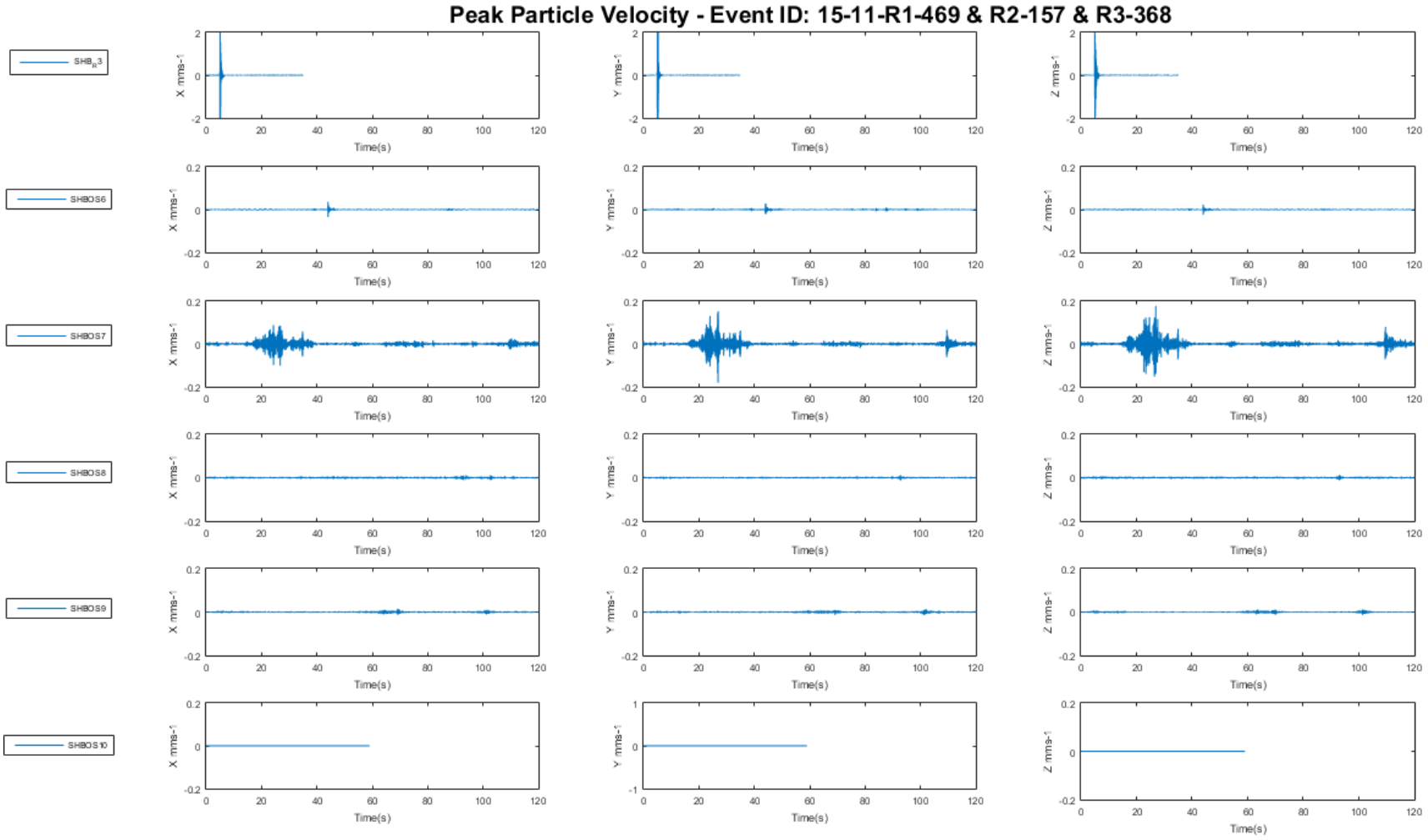


FIGURE 3.1499: SHB_OS 6 - 10 15-11-R1-469 & R2-157 & R3-368

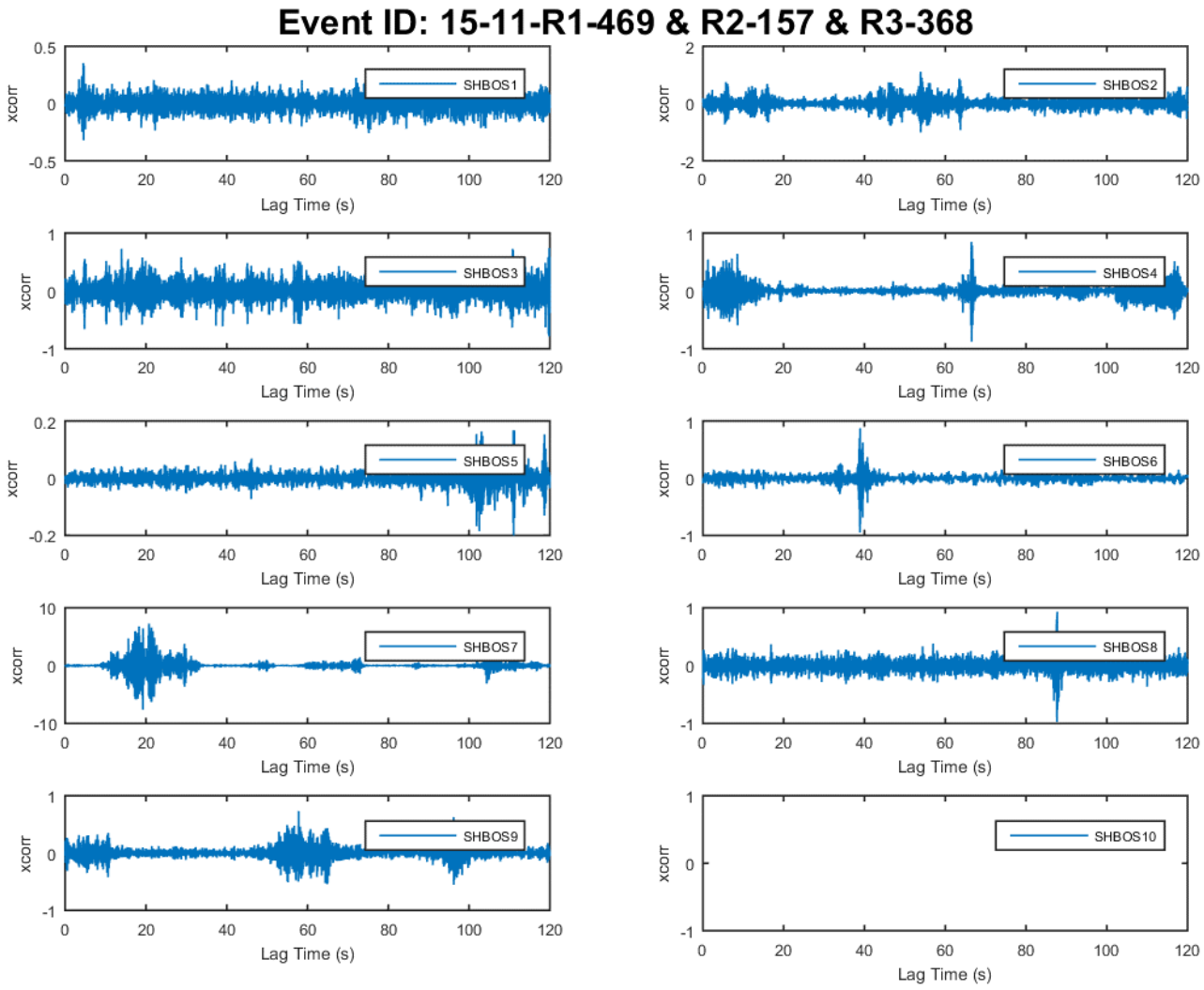


FIGURE 3.1500: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-469 & R2-157 & R3-368

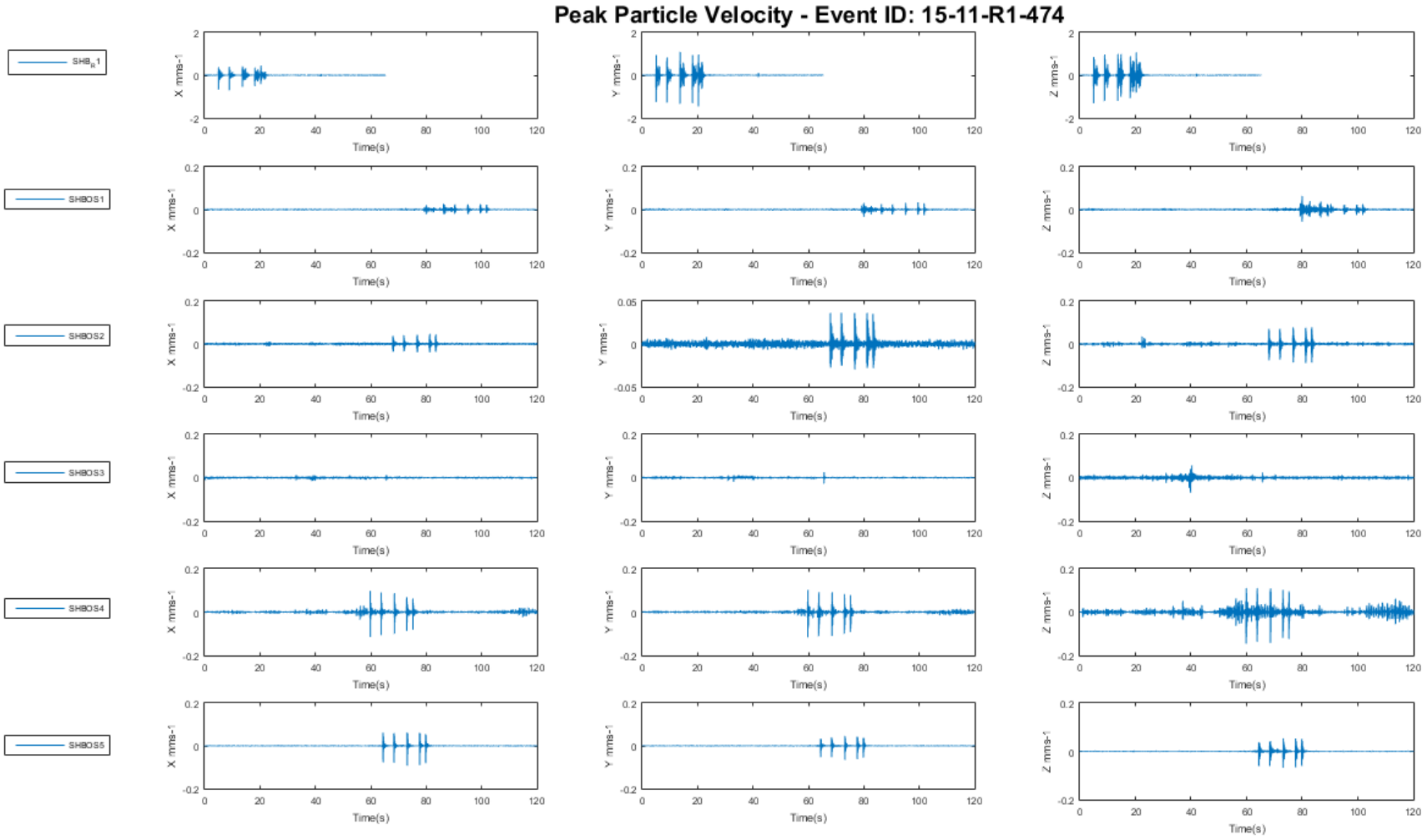


FIGURE 3.1501: SHB_OS 1 - 5 15-11-R1-474

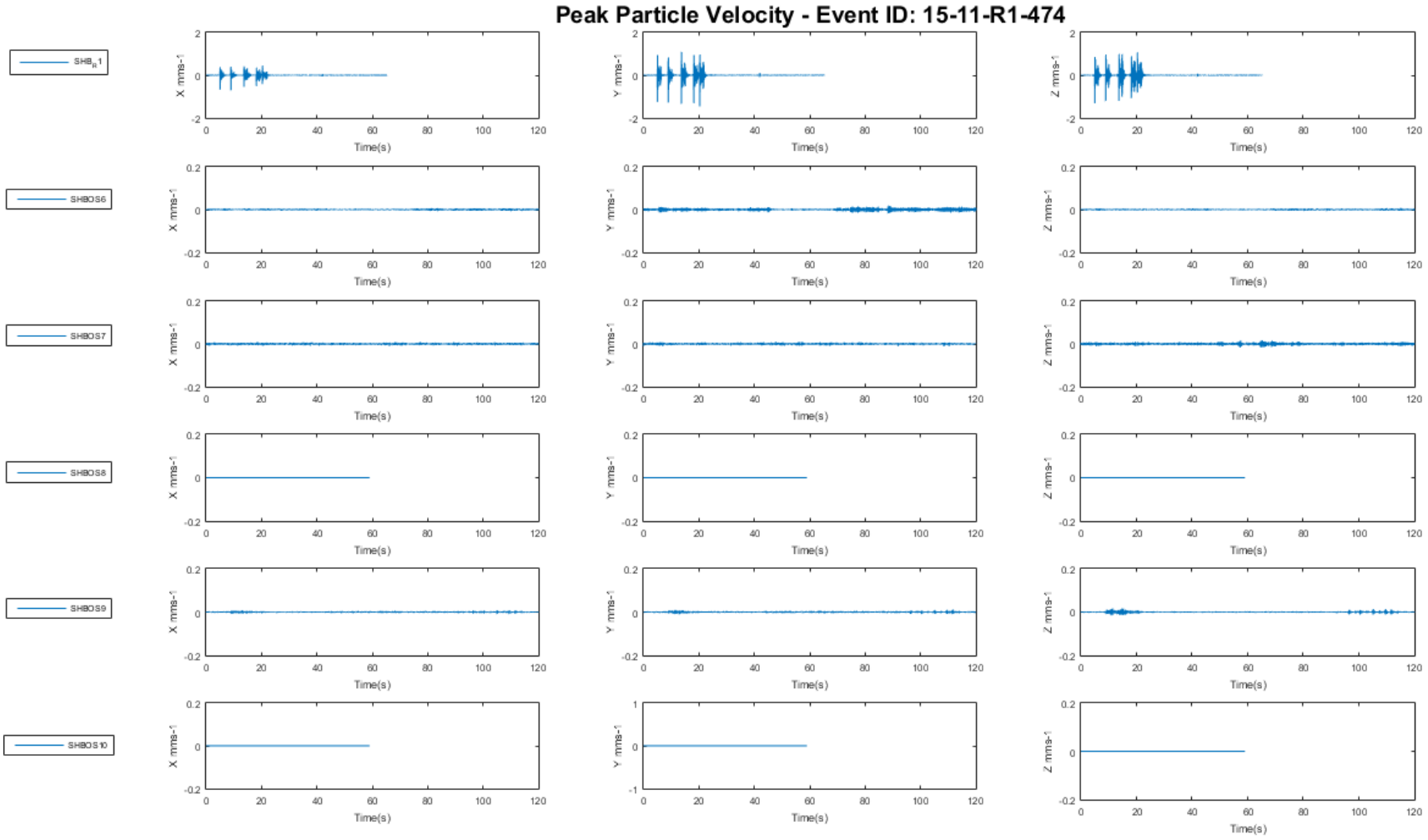


FIGURE 3.1502: SHB_OS 6 - 10 15-11-R1-474

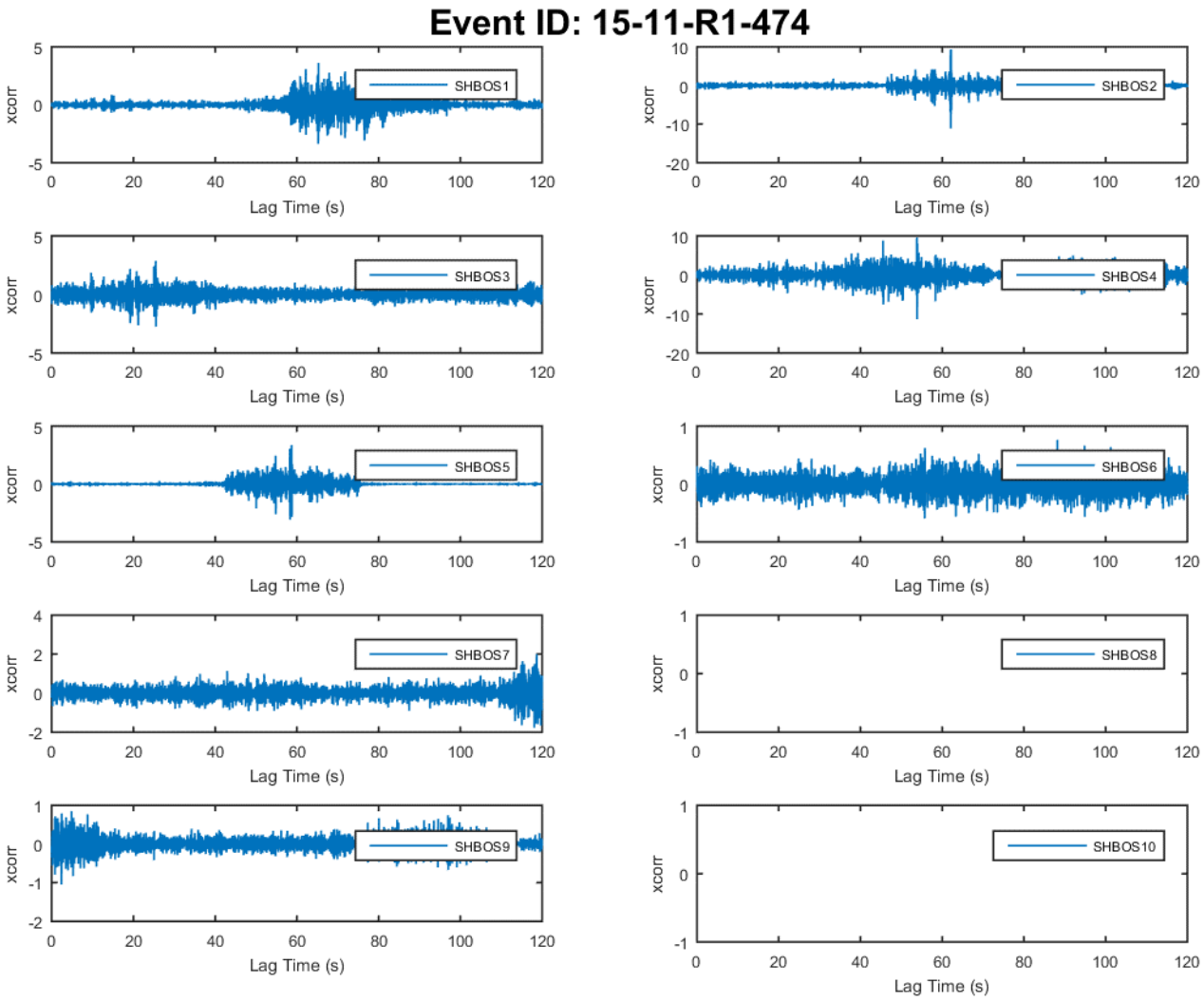


FIGURE 3.1503: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-474

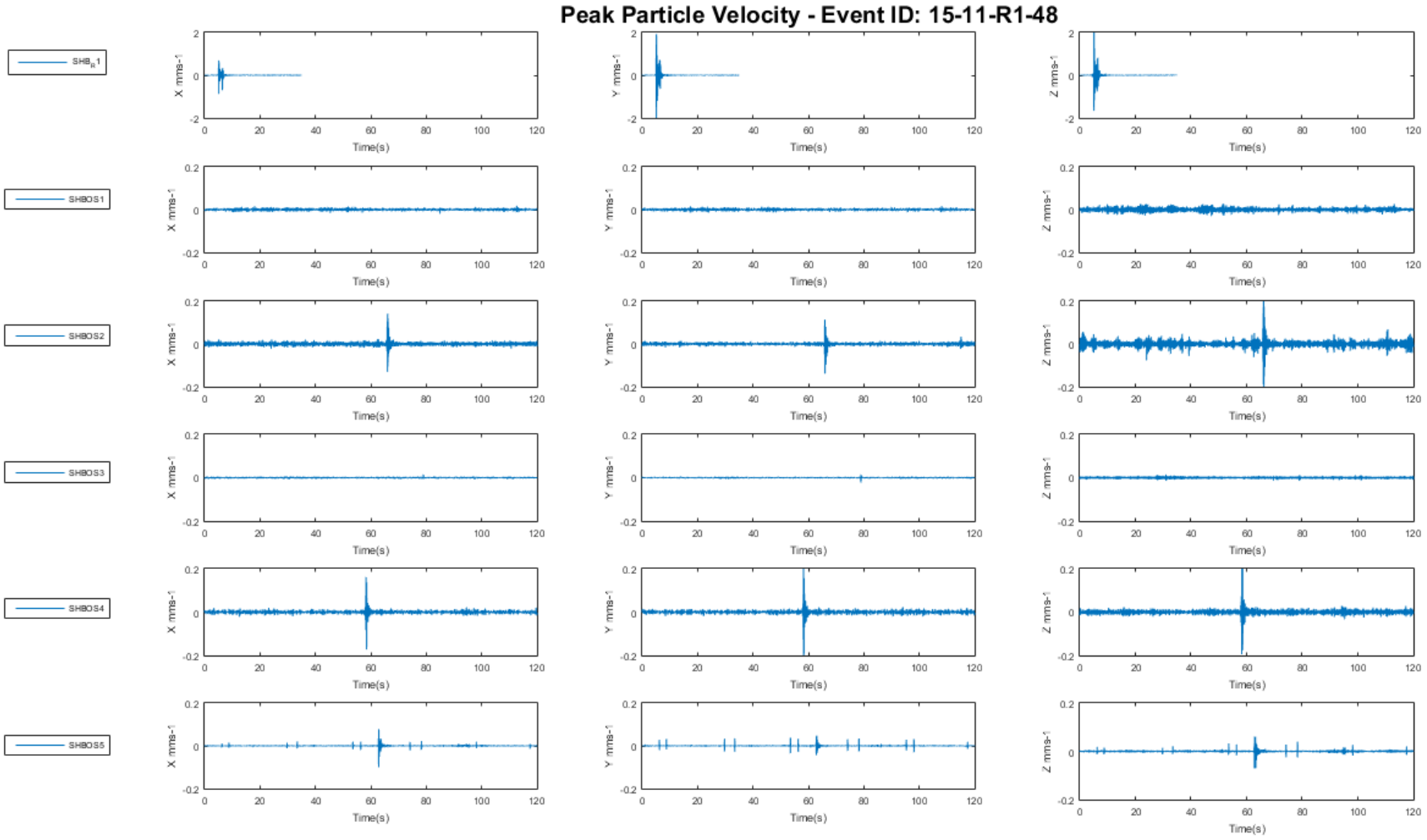


FIGURE 3.1504: SHB_OS 1 - 5 15-11-R1-48

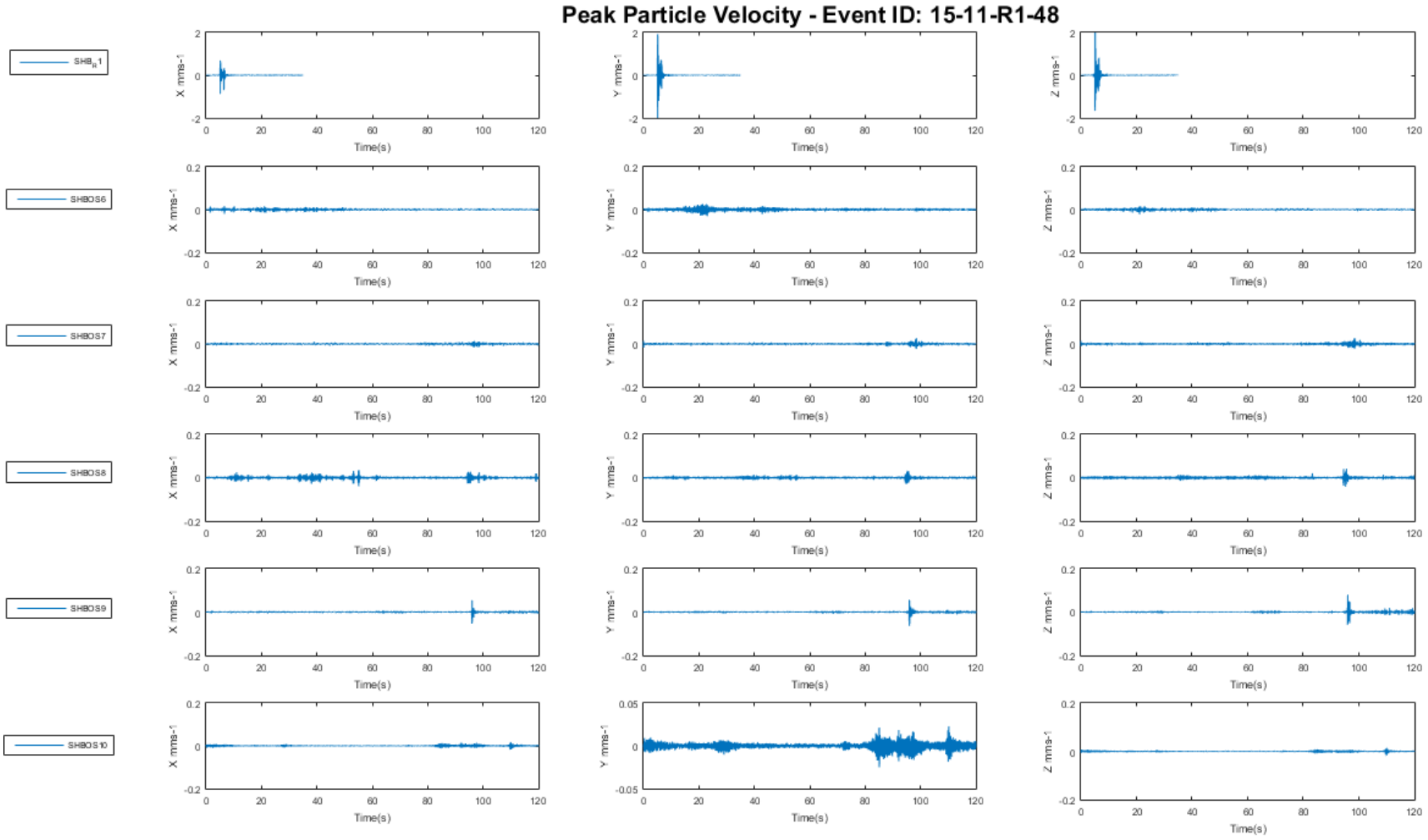


FIGURE 3.1505: SHB_OS 6 - 10 15-11-R1-48

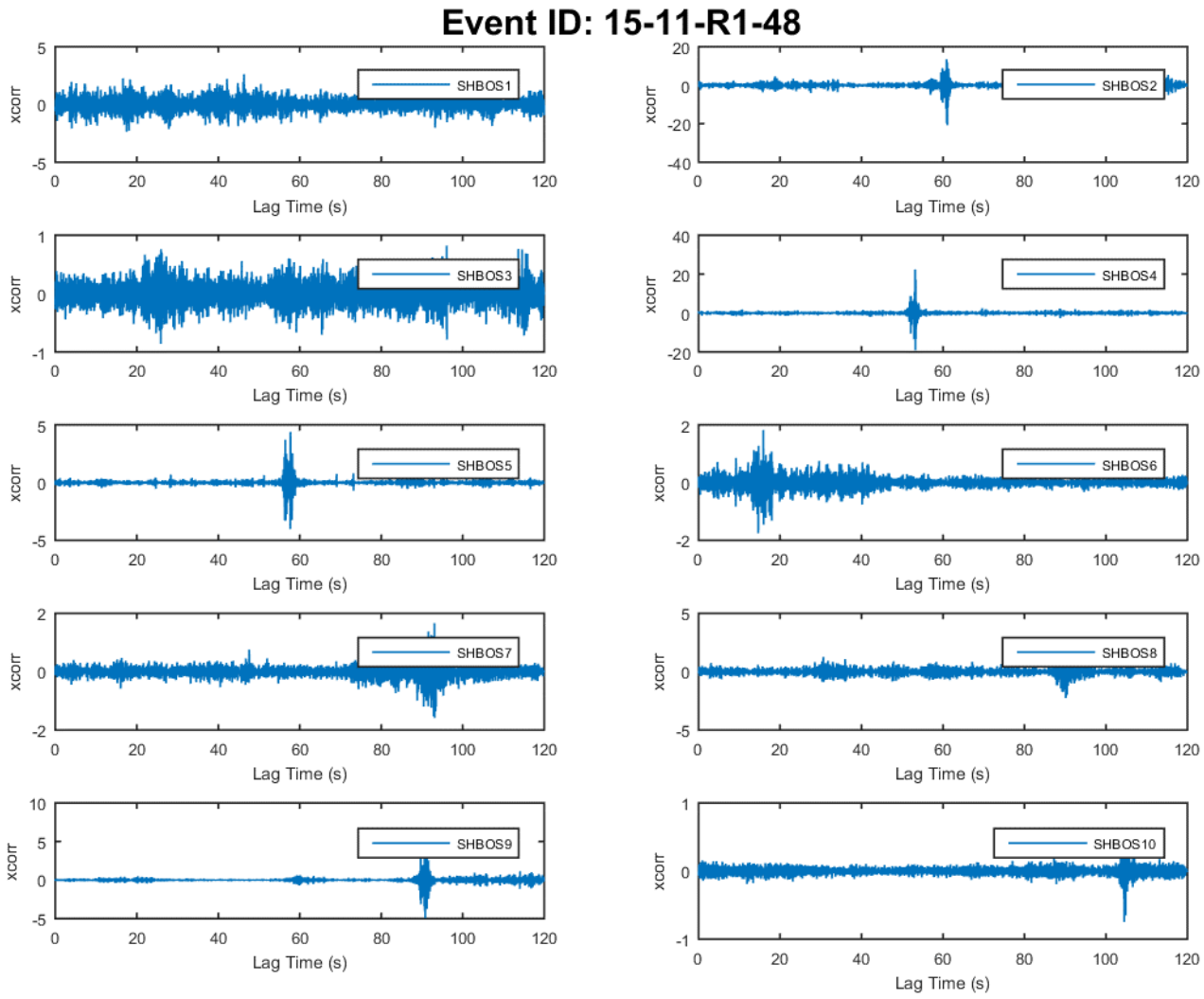


FIGURE 3.1506: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-48

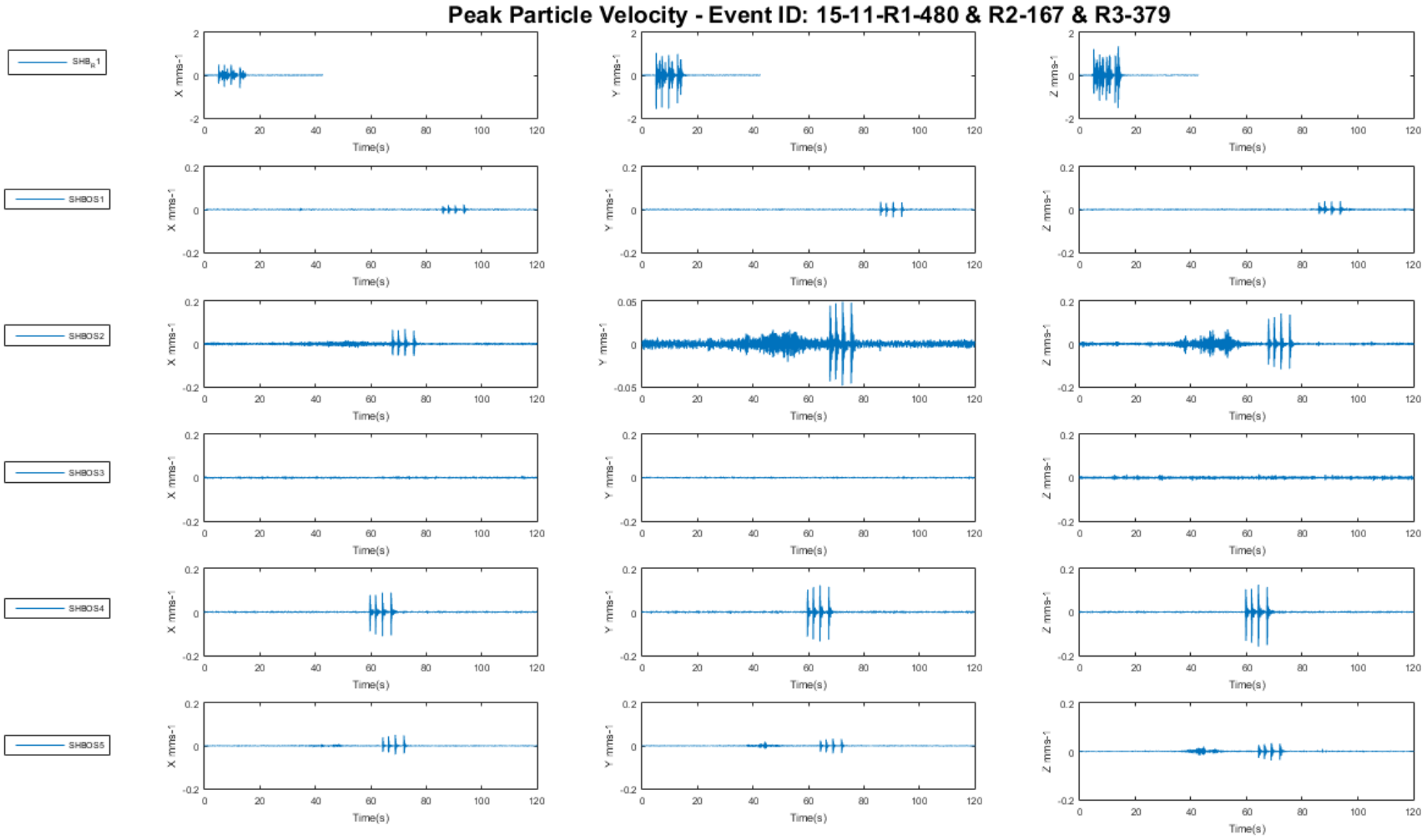


FIGURE 3.1507: SHB_OS 1 - 5 15-11-R1-480 & R2-167 & R3-379

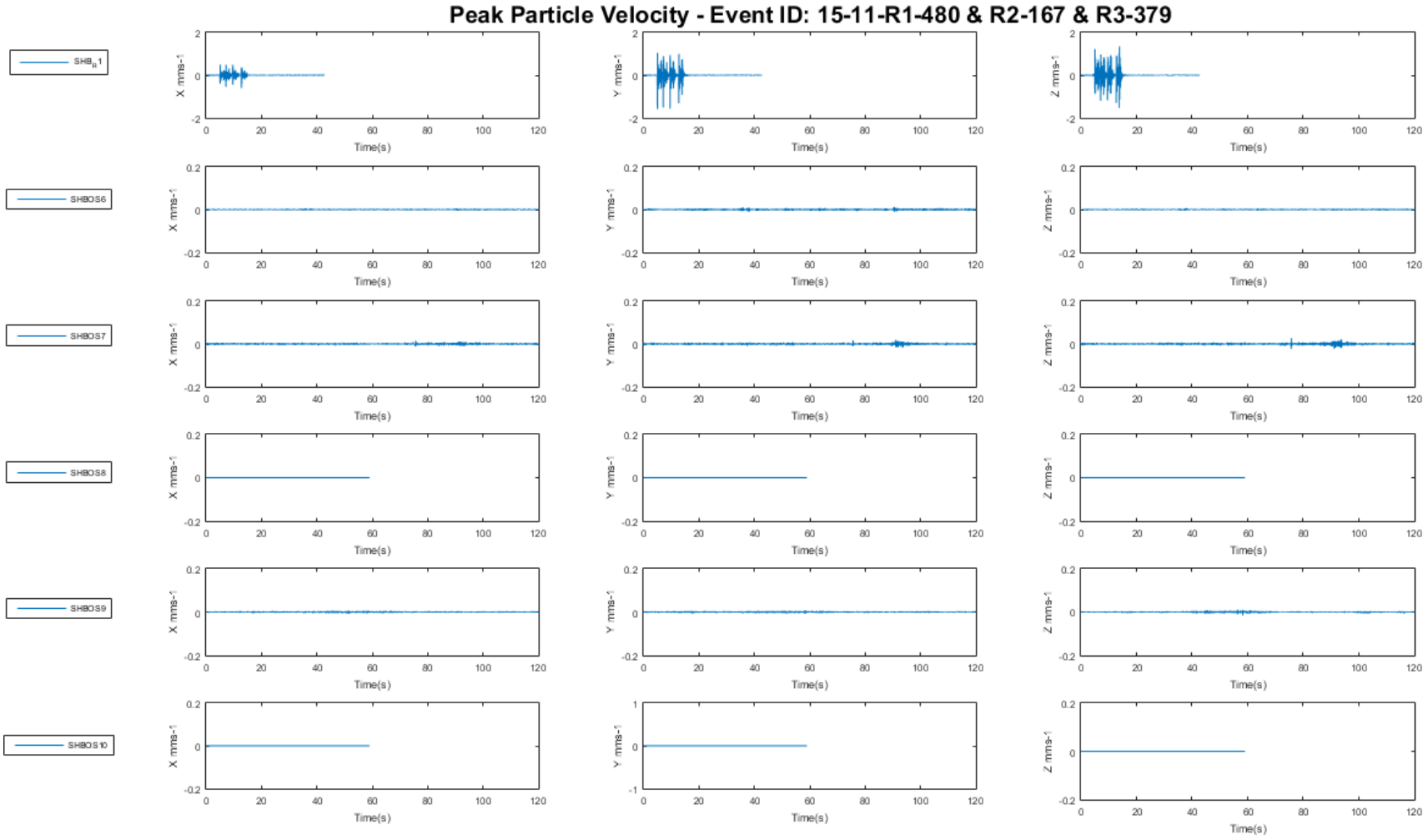


FIGURE 3.1508: SHB_OS 6 - 10 15-11-R1-480 & R2-167 & R3-379

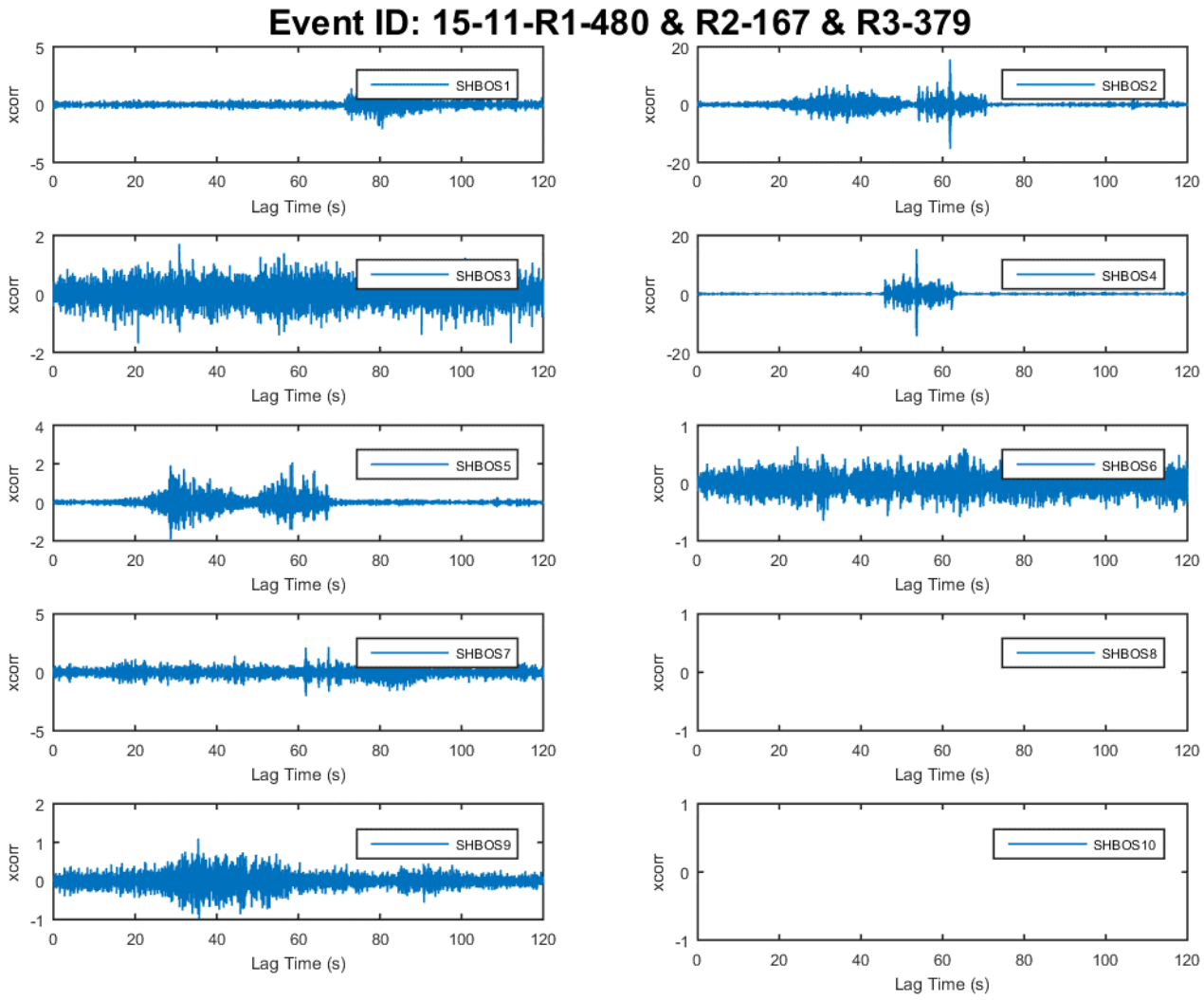


FIGURE 3.1509: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-480 & R2-167 & R3-379

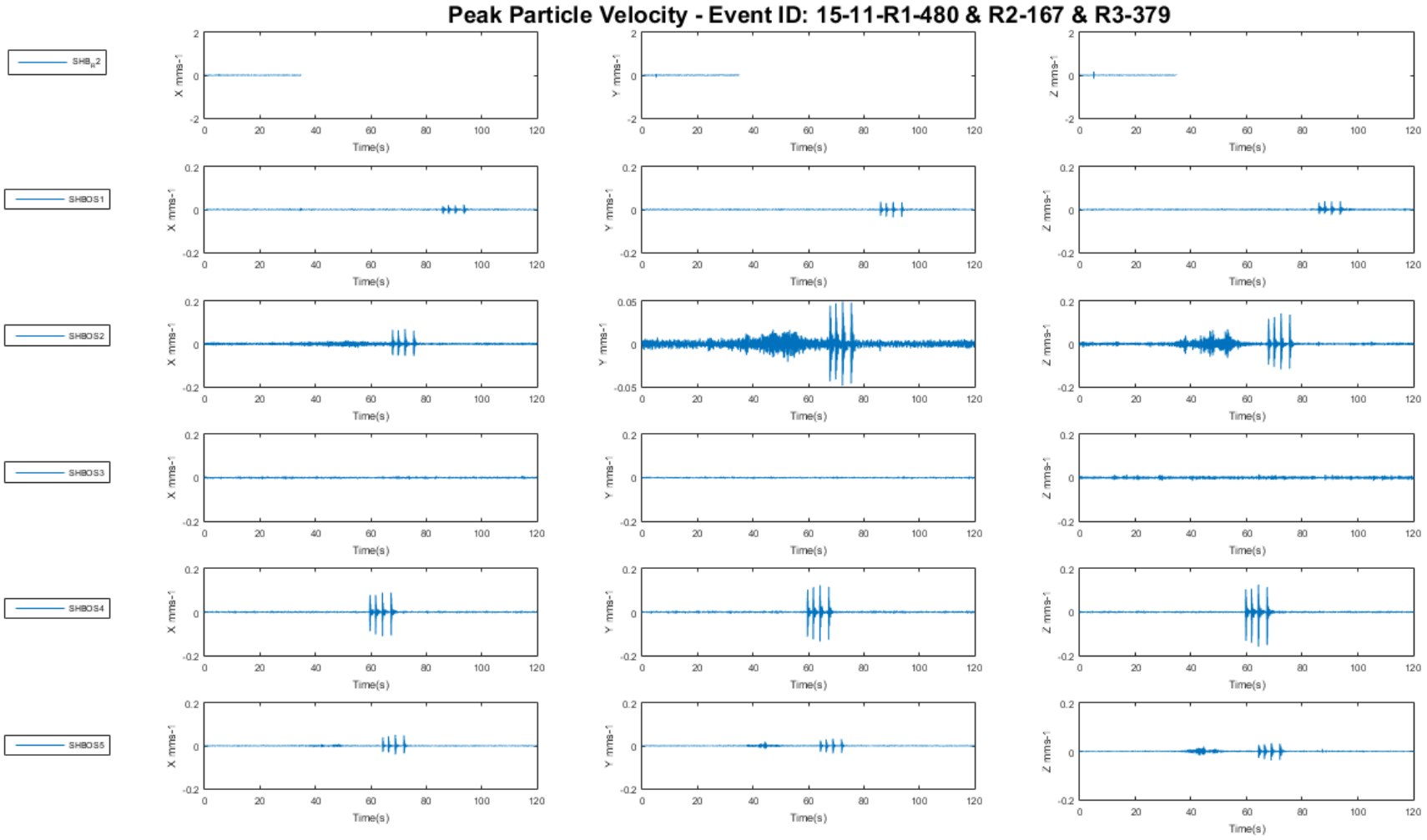


FIGURE 3.1510: SHB_OS 1 - 5 15-11-R1-480 & R2-167 & R3-379

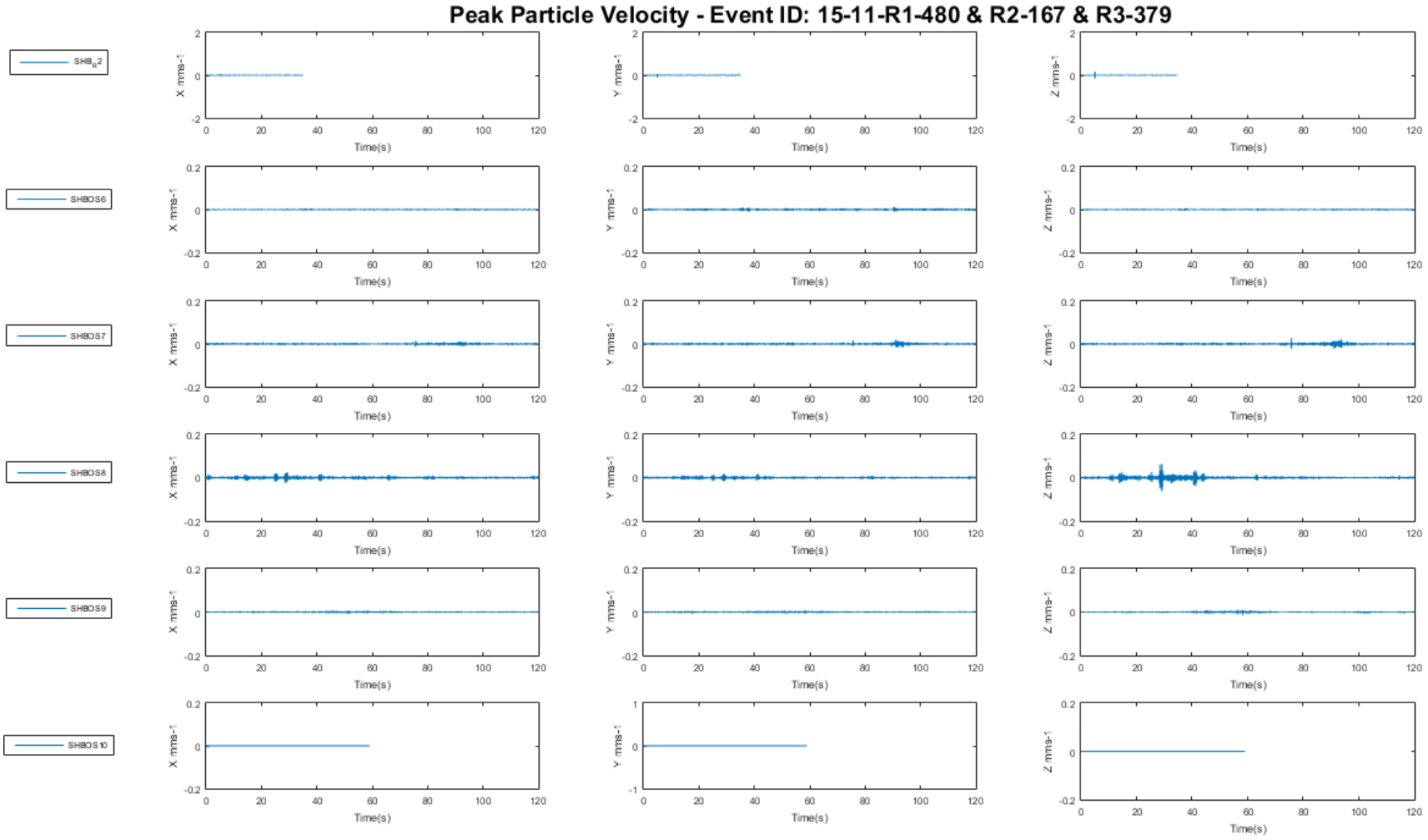


FIGURE 3.1511: SHB_OS 6 - 10 15-11-R1-480 & R2-167 & R3-379

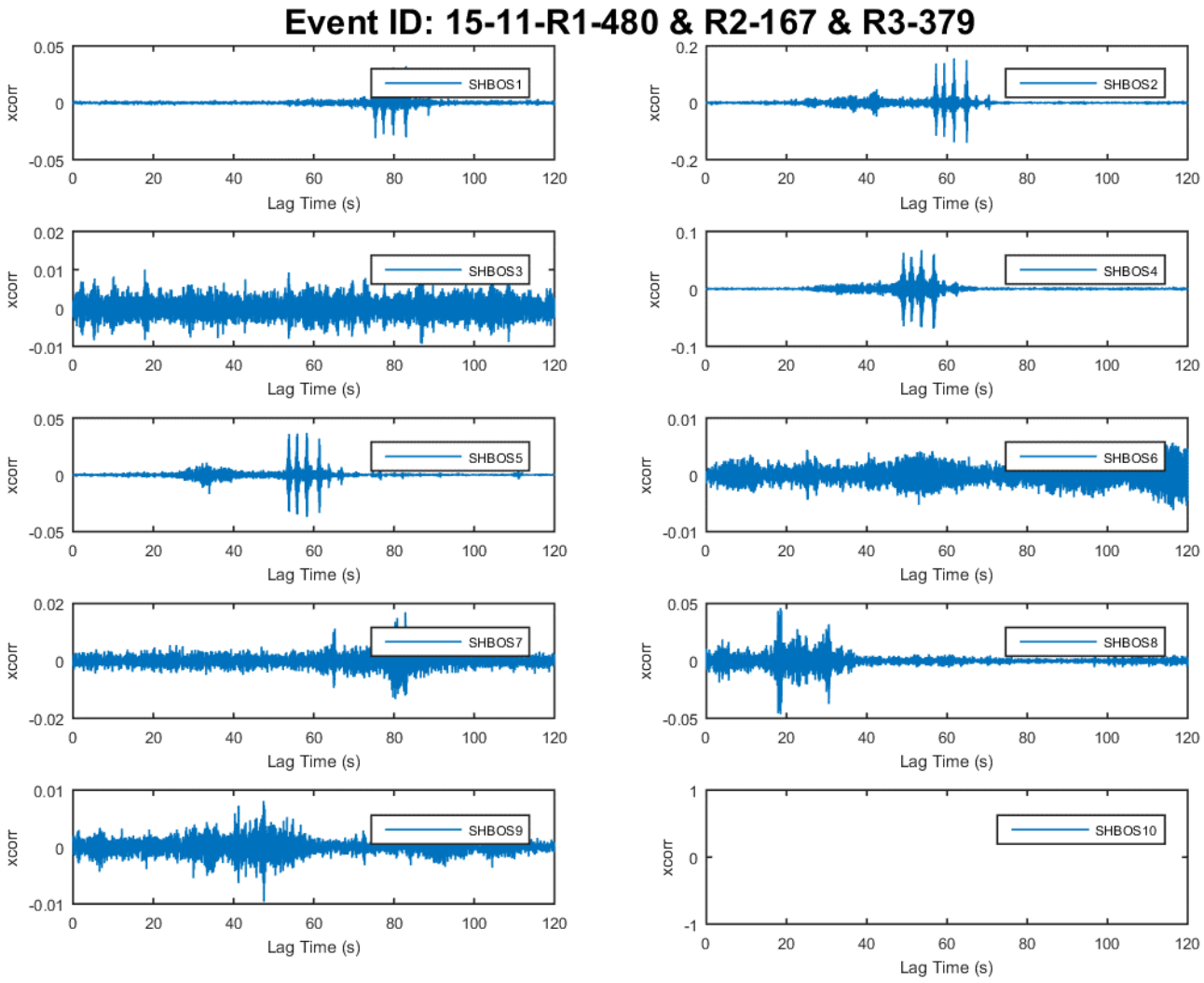


FIGURE 3.1512: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-480 & R2-167 & R3-379

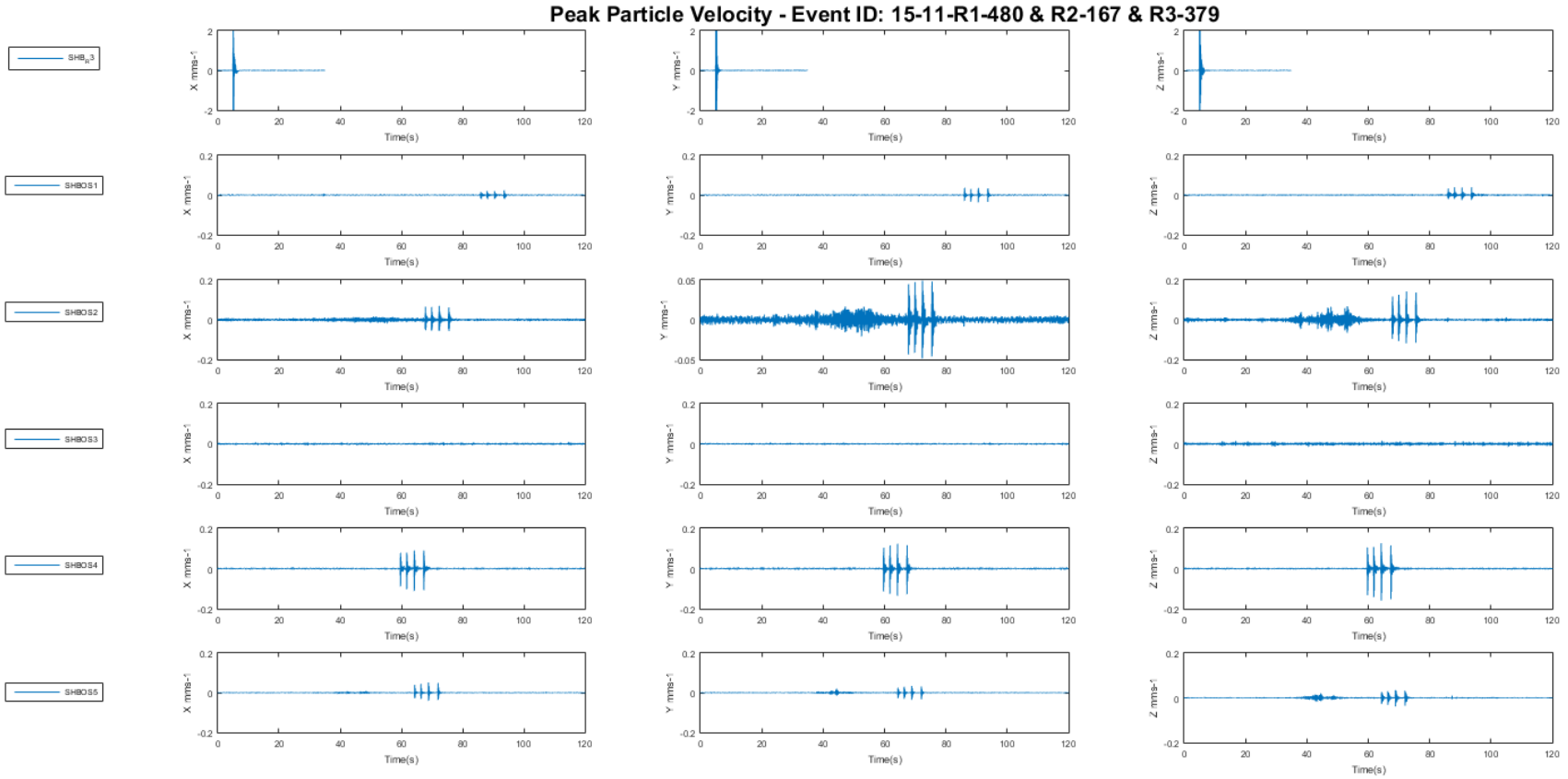


FIGURE 3.1513: SHB_OS 1 - 5 15-11-R1-480 & R2-167 & R3-379

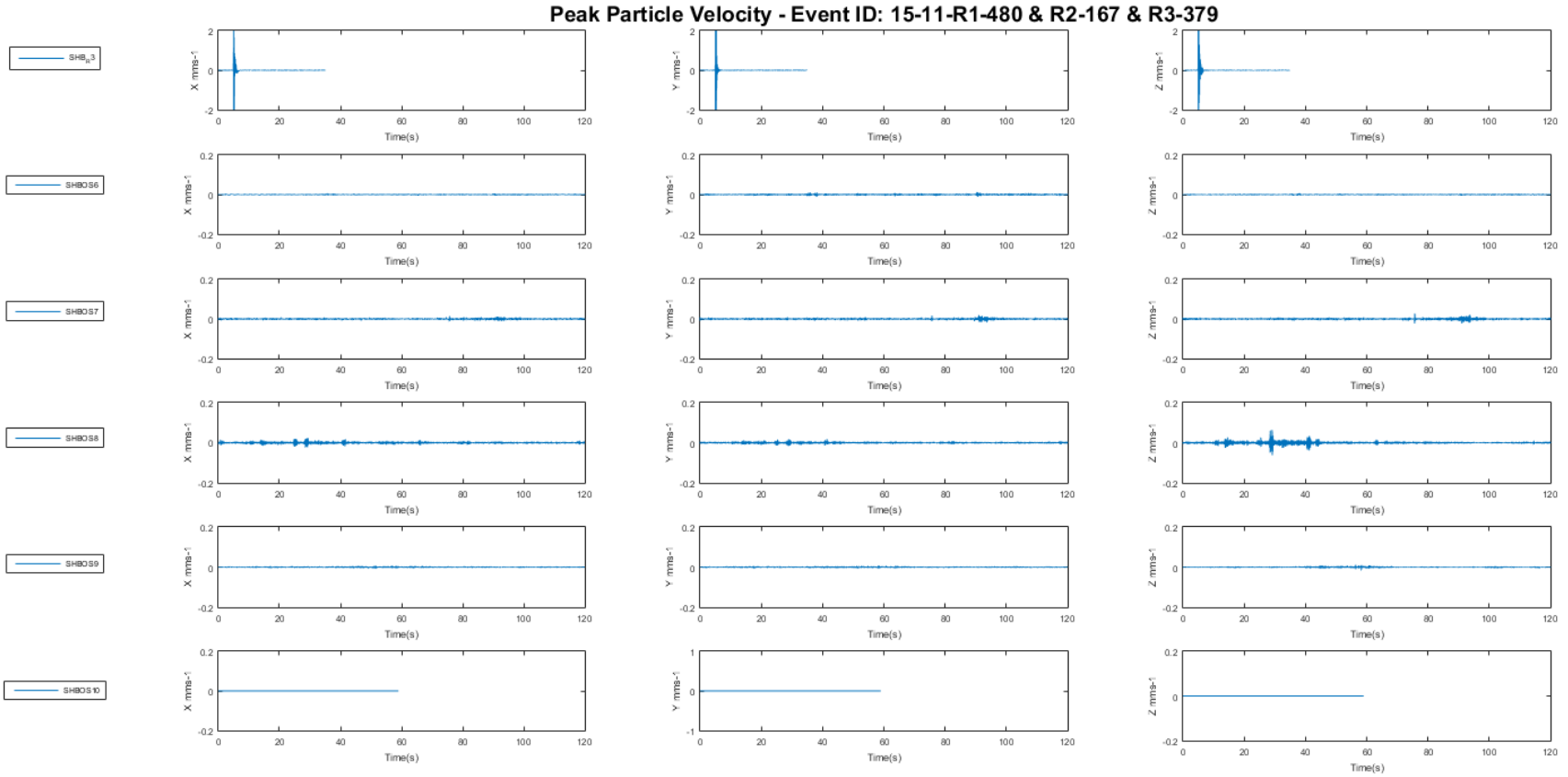


FIGURE 3.1514: SHB_OS 6 - 10 15-11-R1-480 & R2-167 & R3-379

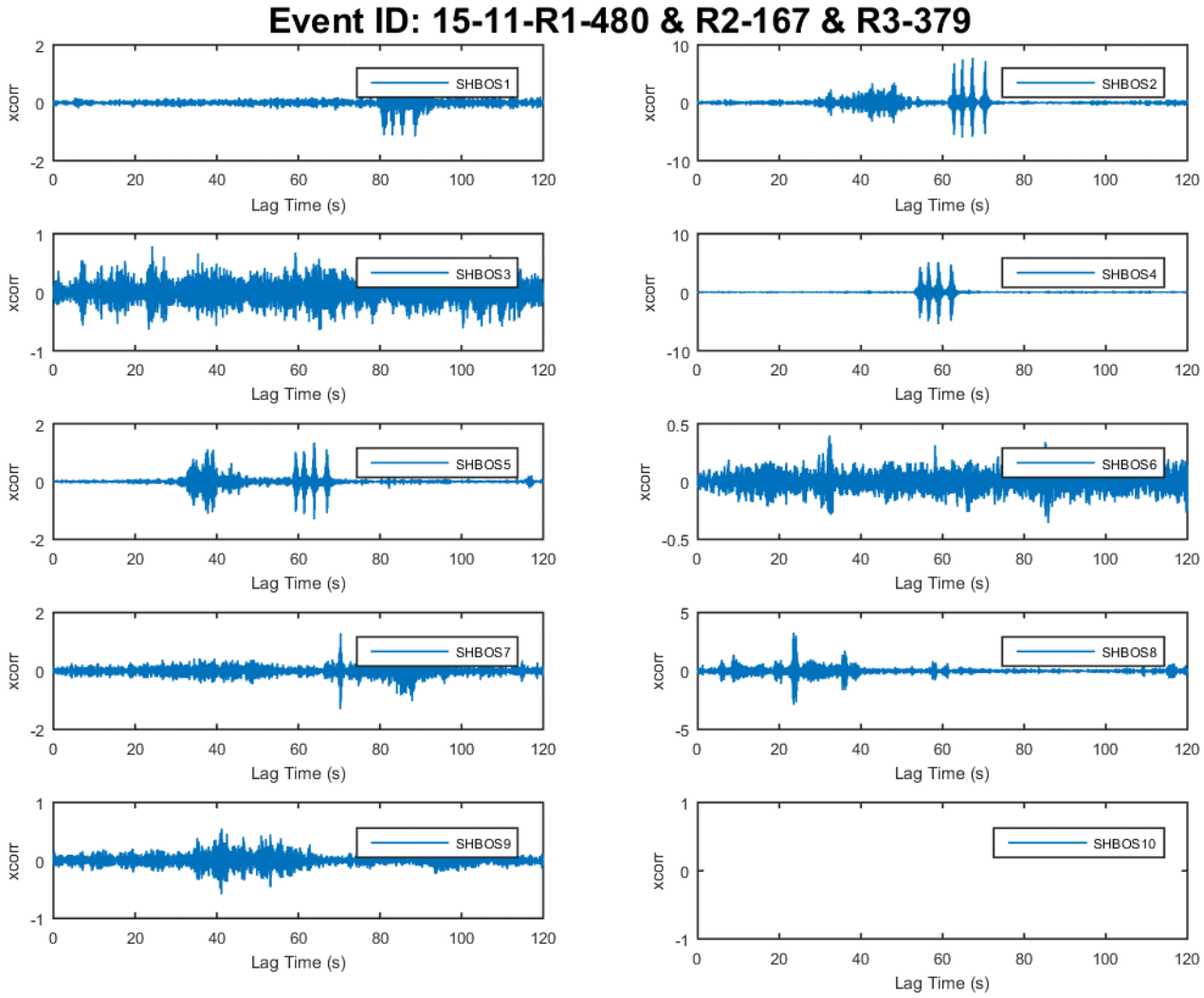


FIGURE 3.1515: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-480 & R2-167 & R3-379

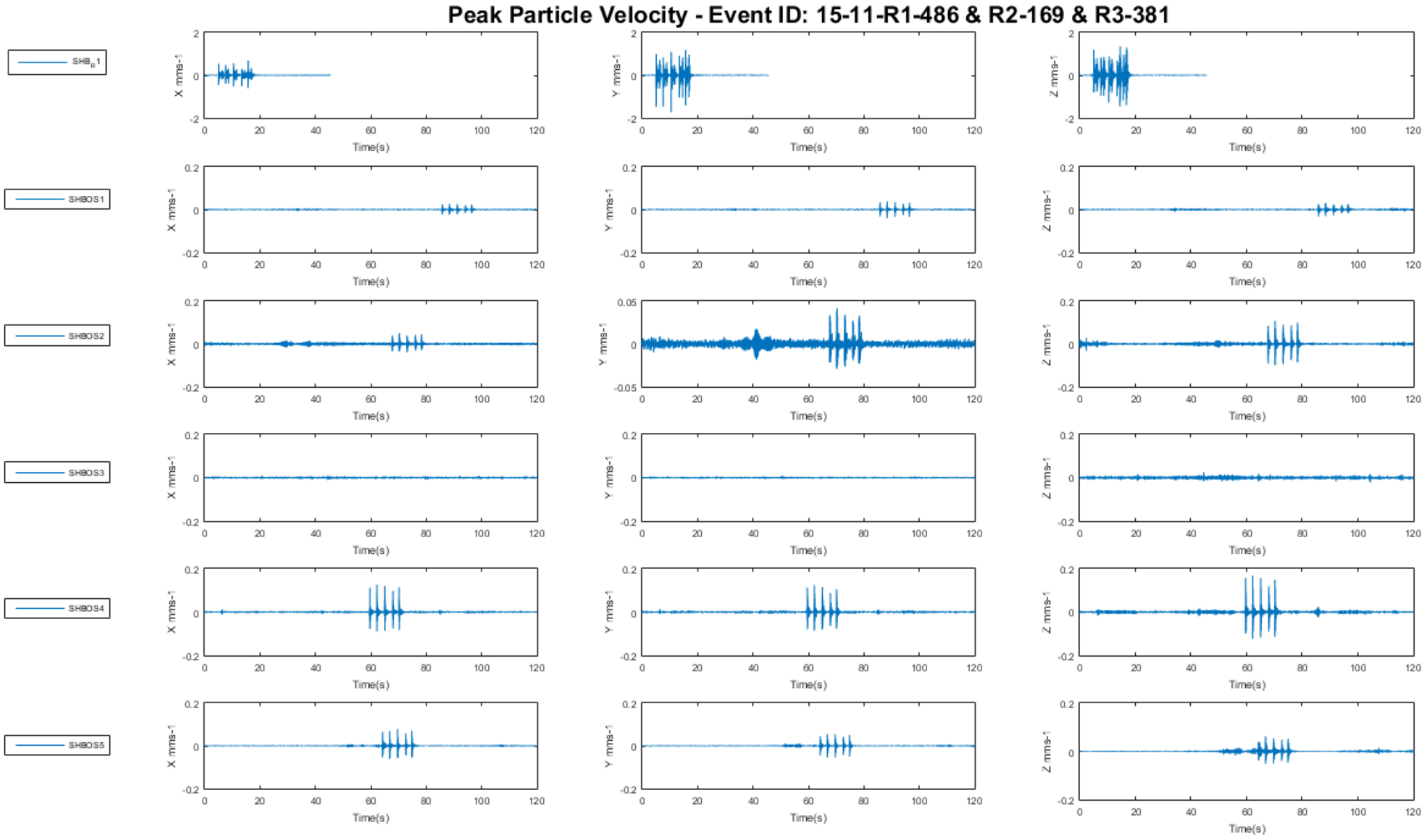


FIGURE 3.1516: SHB_OS 1 - 5 15-11-R1-486 & R2-169 & R3-381

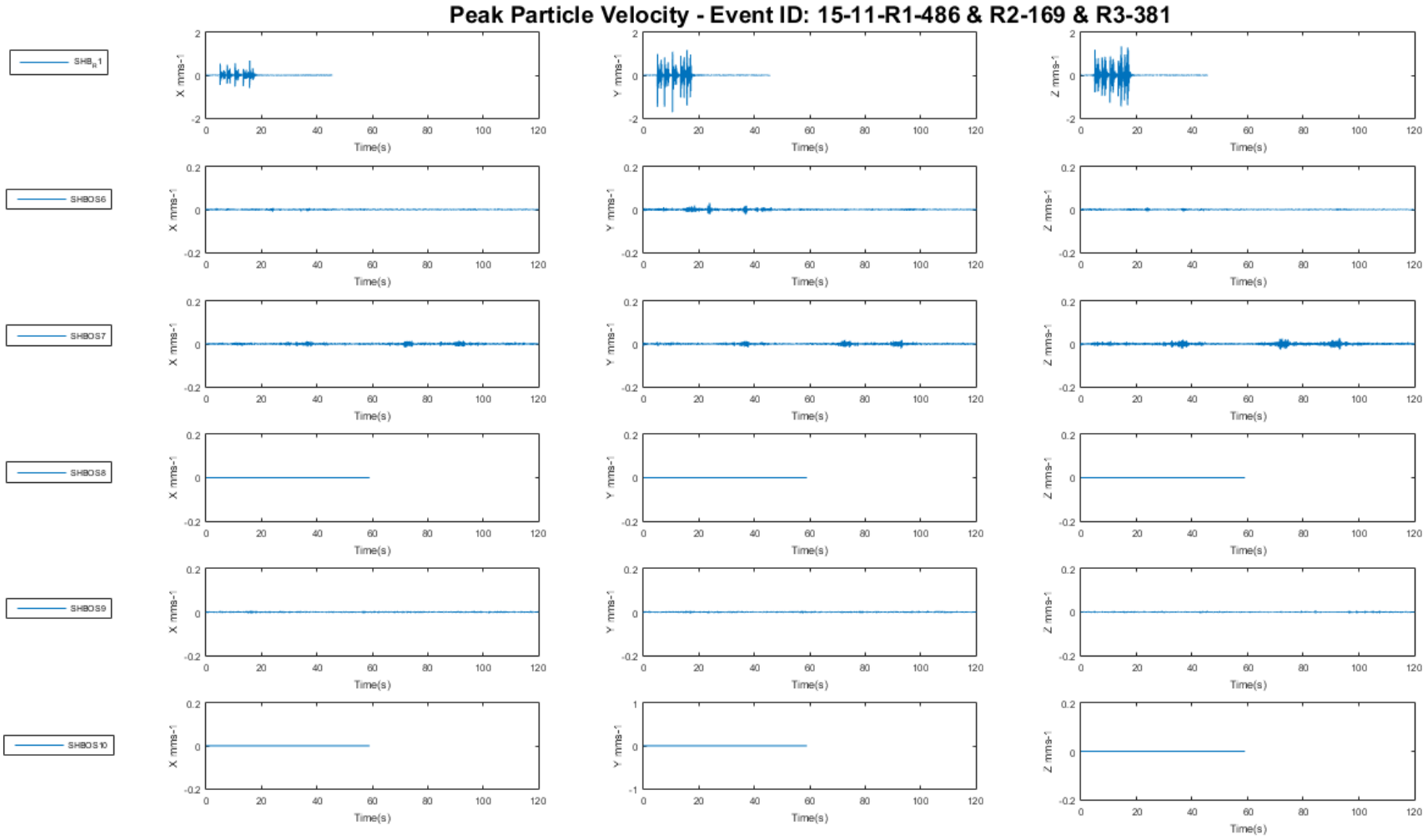


FIGURE 3.1517: SHB_OS 6 - 10 15-11-R1-486 & R2-169 & R3-381

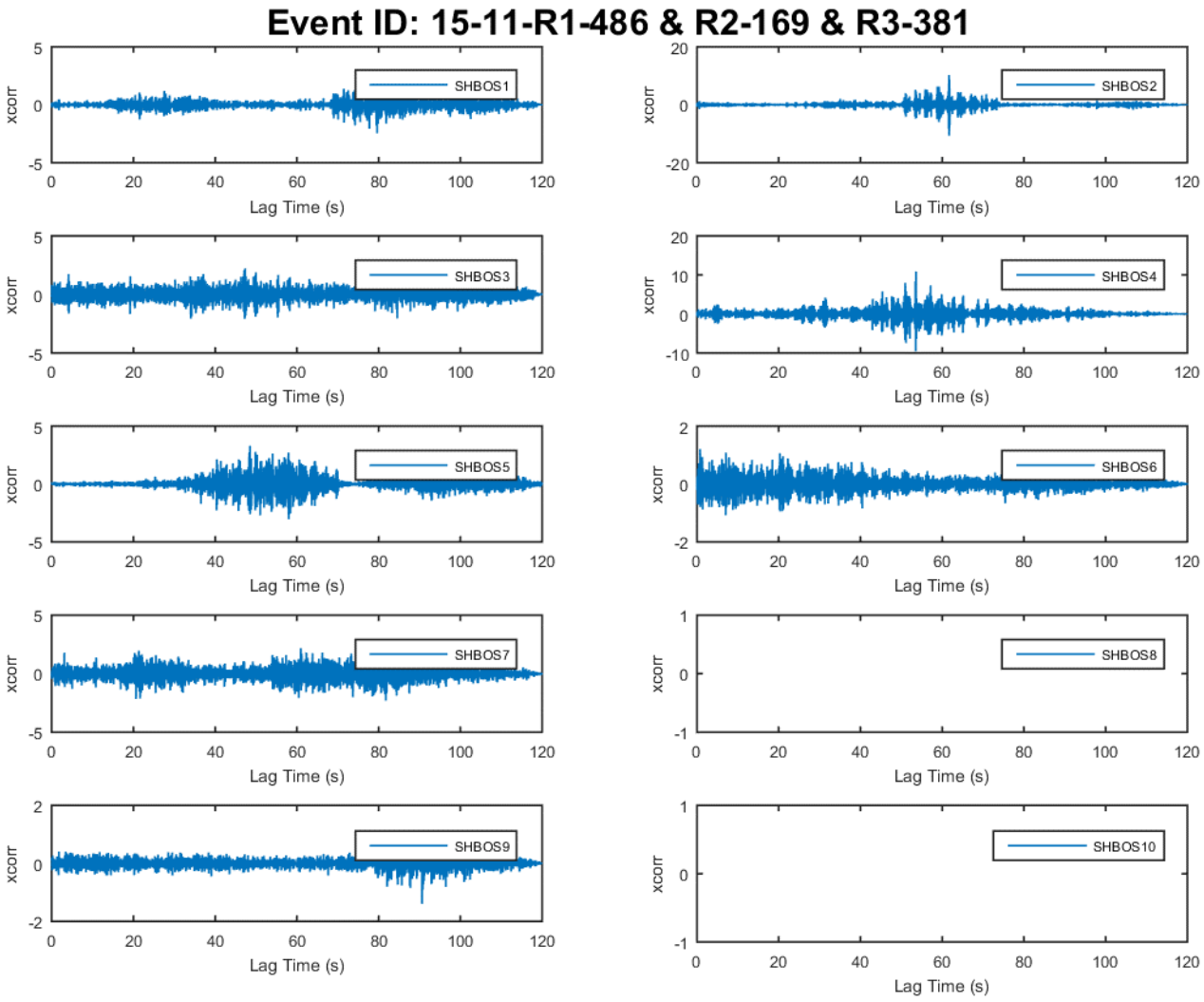


FIGURE 3.1518: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-486 & R2-169 & R3-381

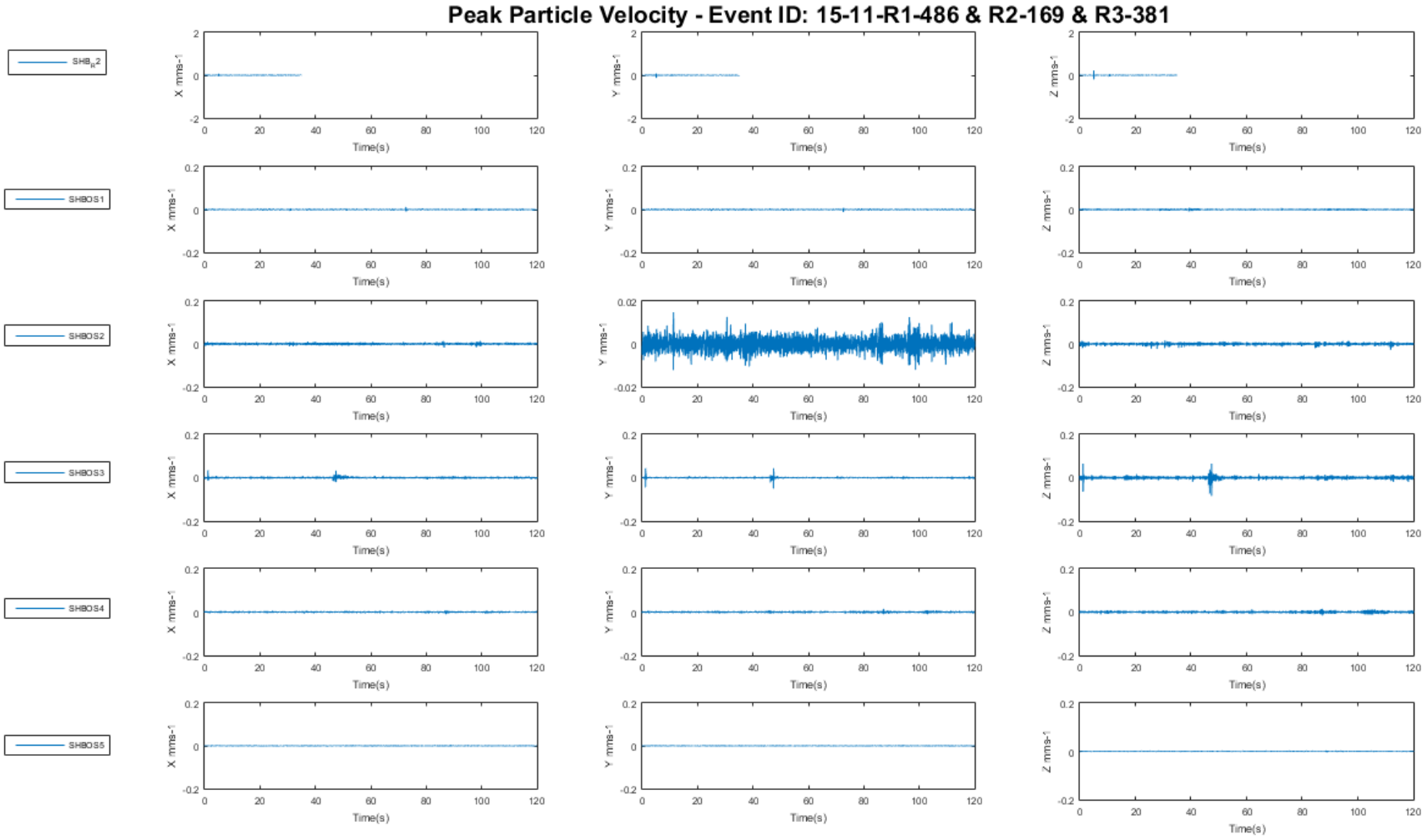


FIGURE 3.1519: SHB_OS 1 - 5 15-11-R1-486 & R2-169 & R3-381

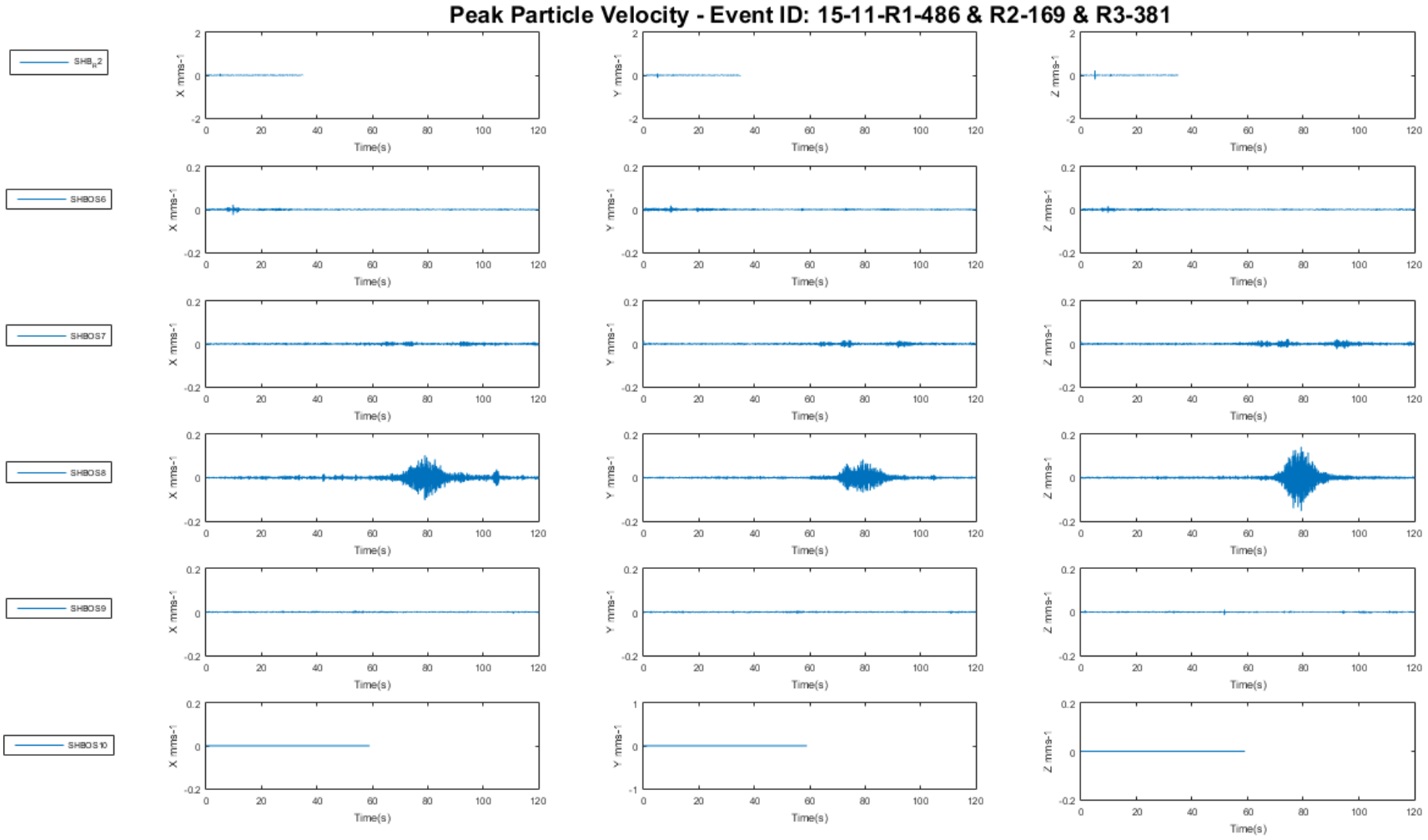


FIGURE 3.1520: SHB_OS 6 - 10 15-11-R1-486 & R2-169 & R3-381

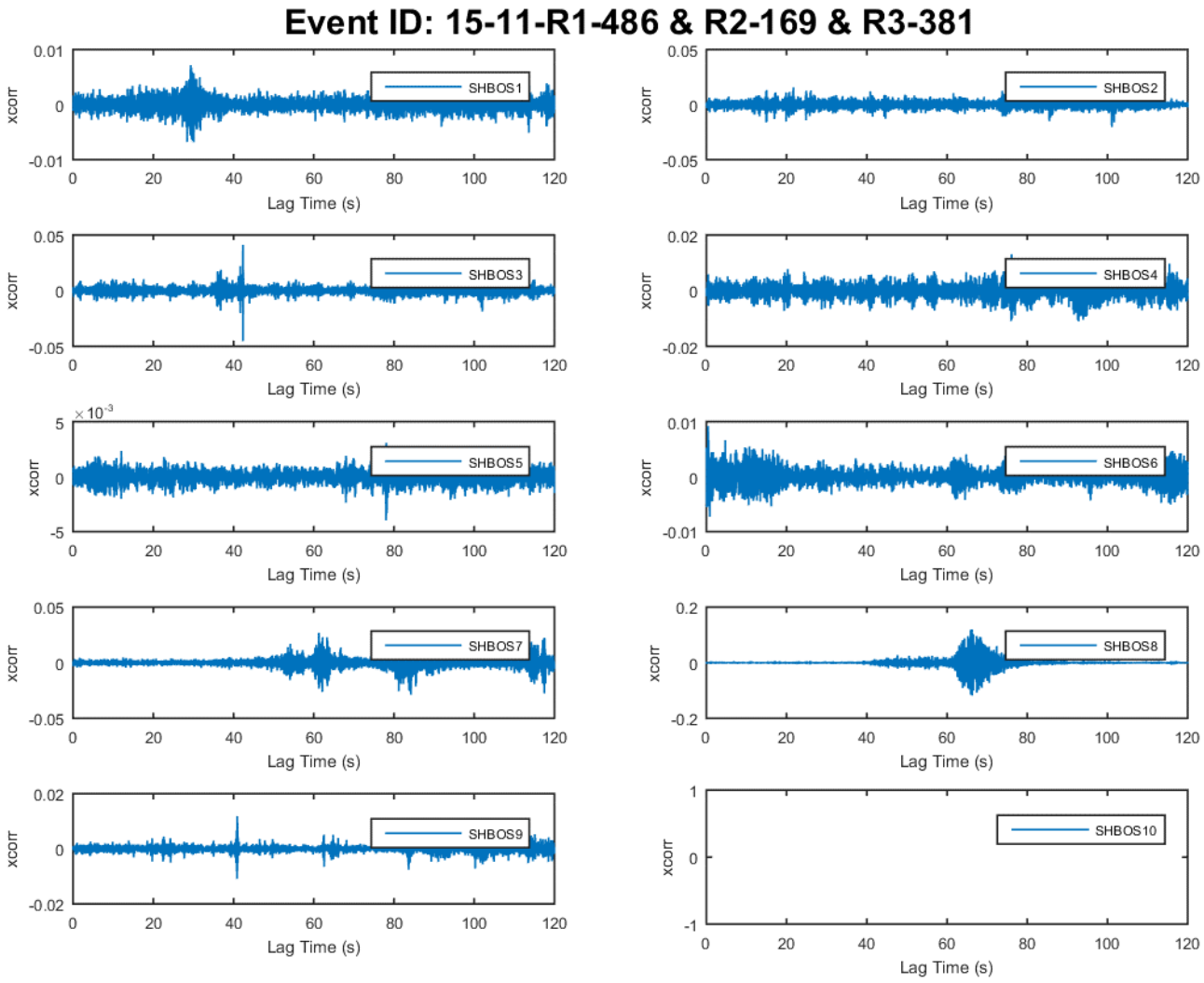


FIGURE 3.1521: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-486 & R2-169 & R3-381

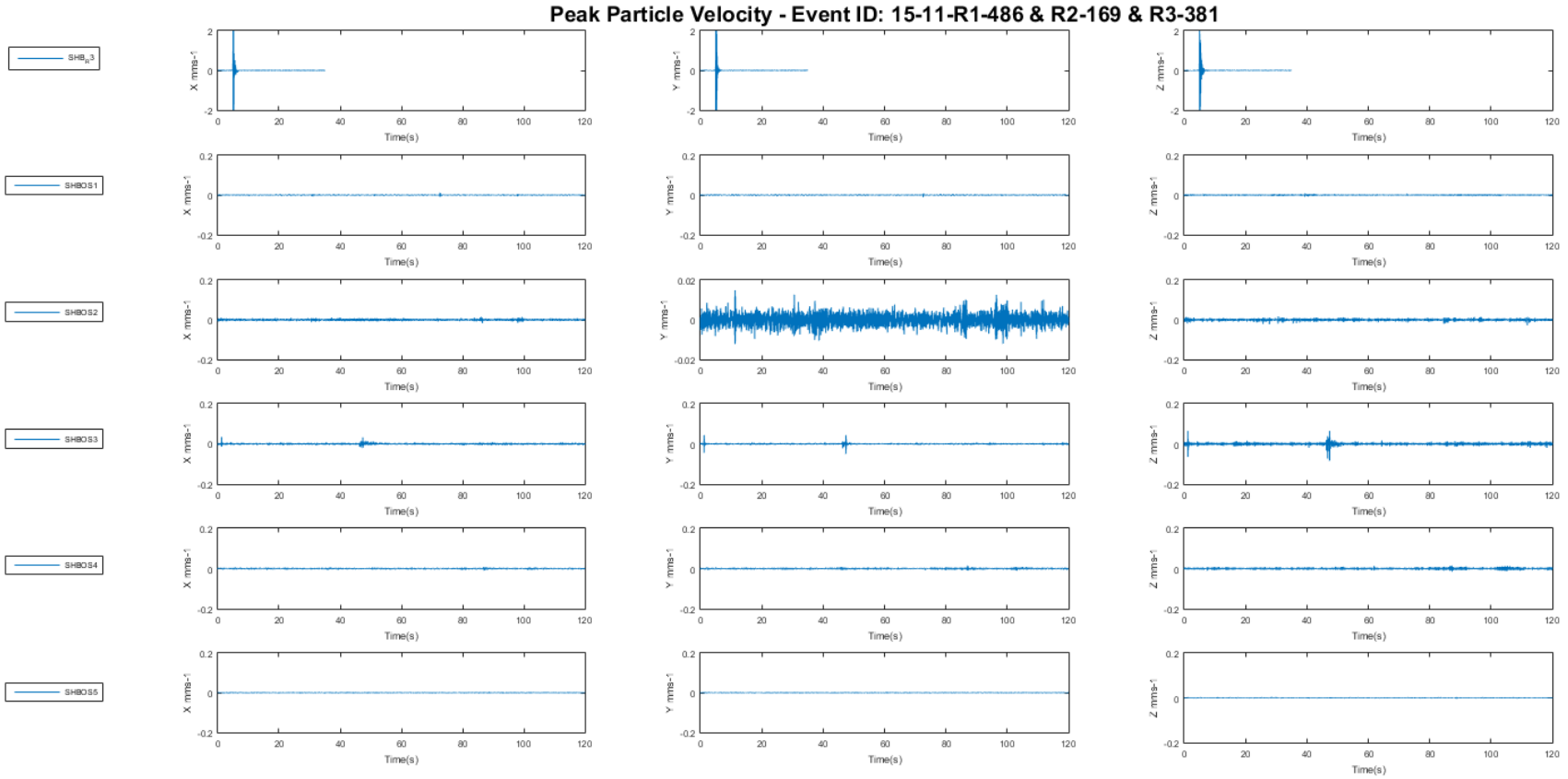


FIGURE 3.1522: SHB_OS 1 - 5 15-11-R1-486 & R2-169 & R3-381

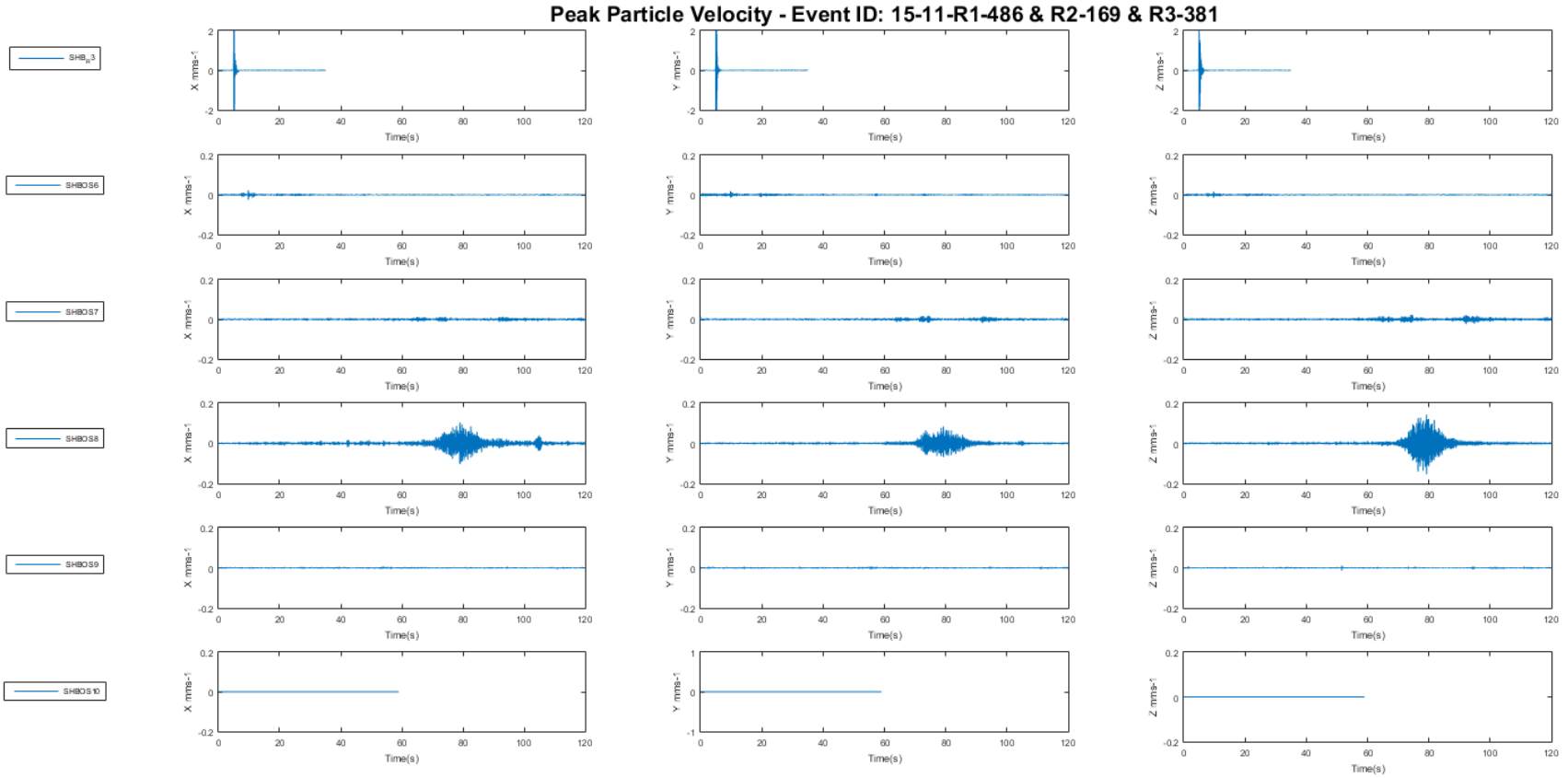


FIGURE 3.1523: SHB_OS 6 - 10 15-11-R1-486 & R2-169 & R3-381

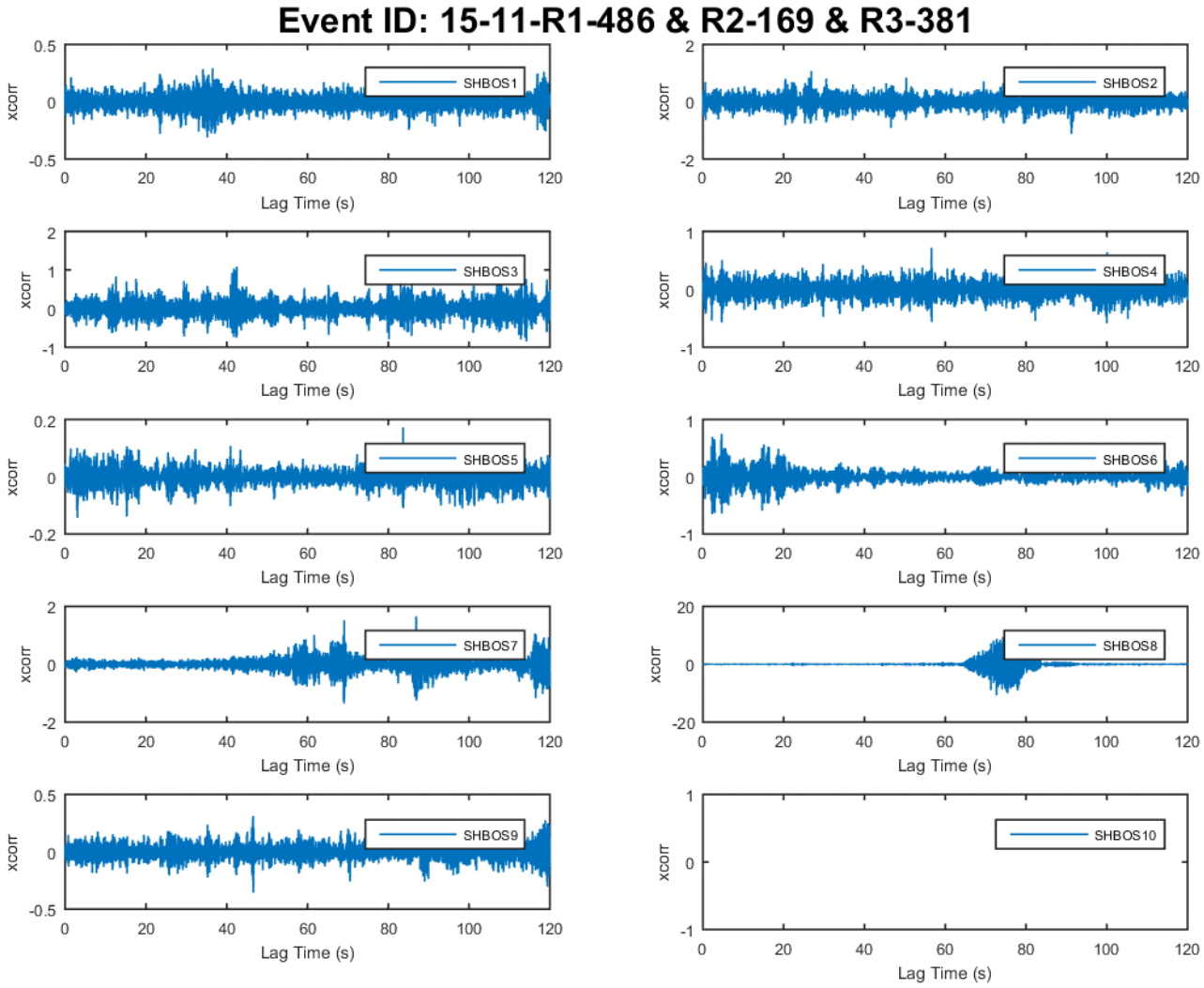


FIGURE 3.1524: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-486 & R2-169 & R3-381

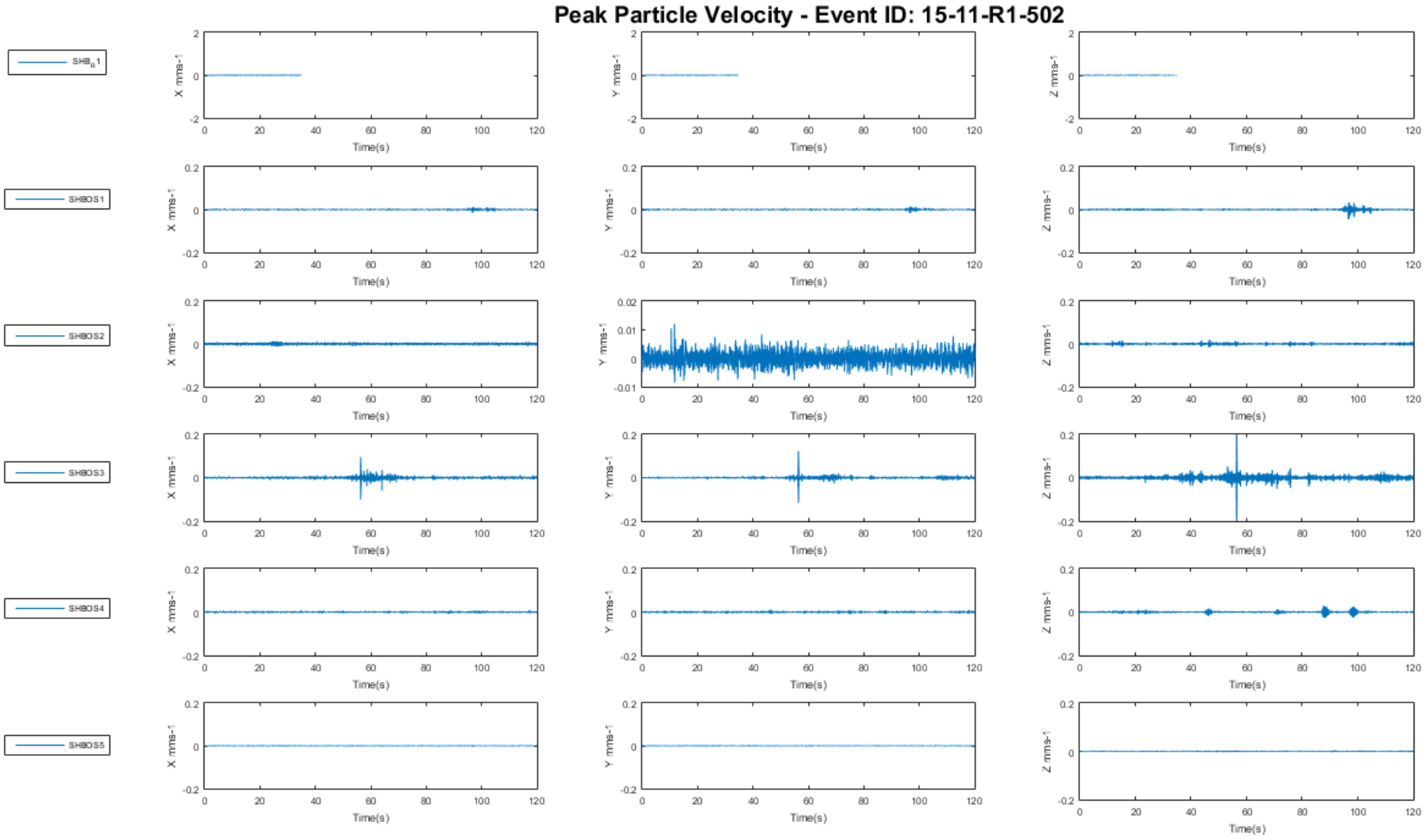


FIGURE 3.1525: SHB_OS 1 - 5 15-11-R1-502

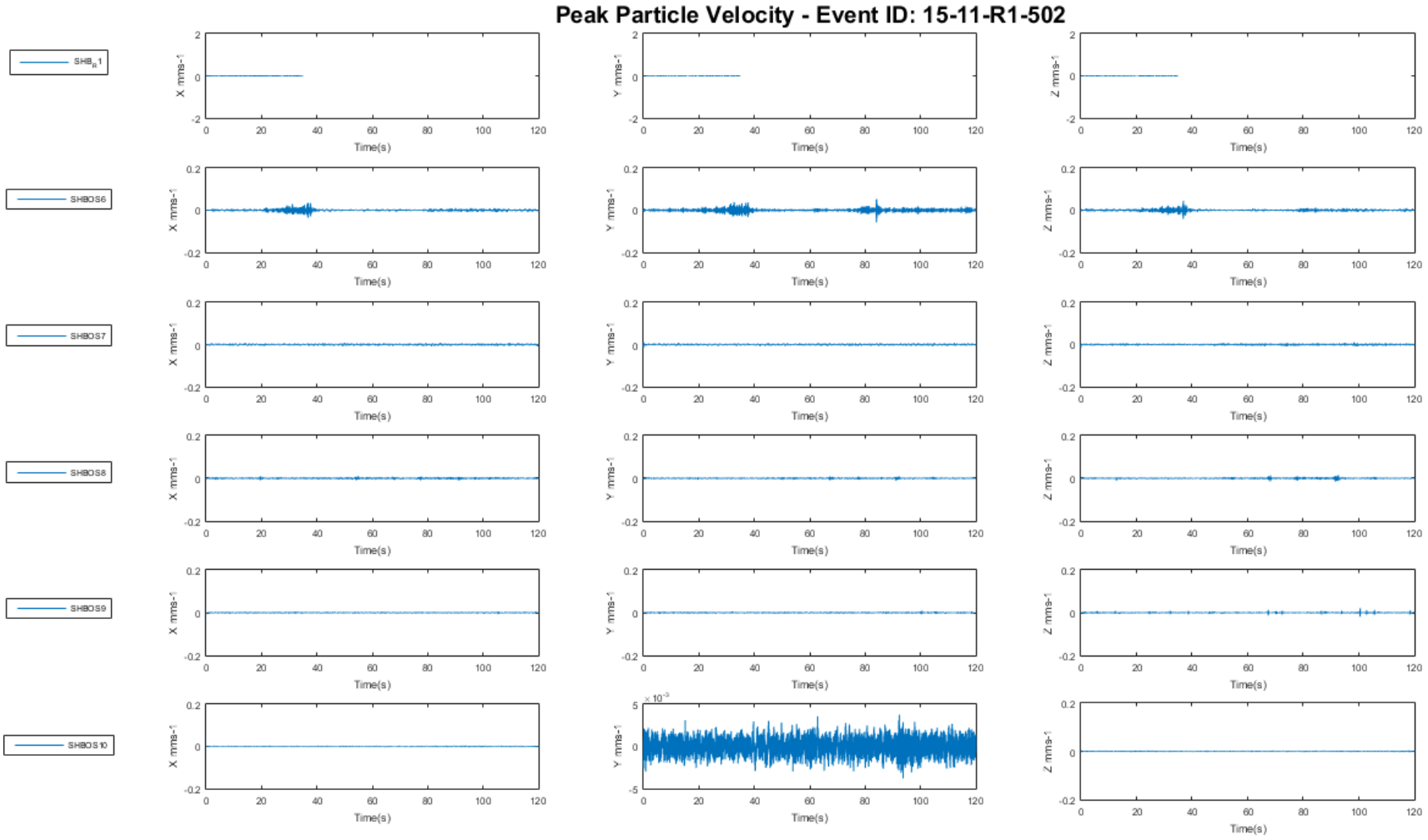


FIGURE 3.1526: SHB_OS 6 - 10 15-11-R1-502

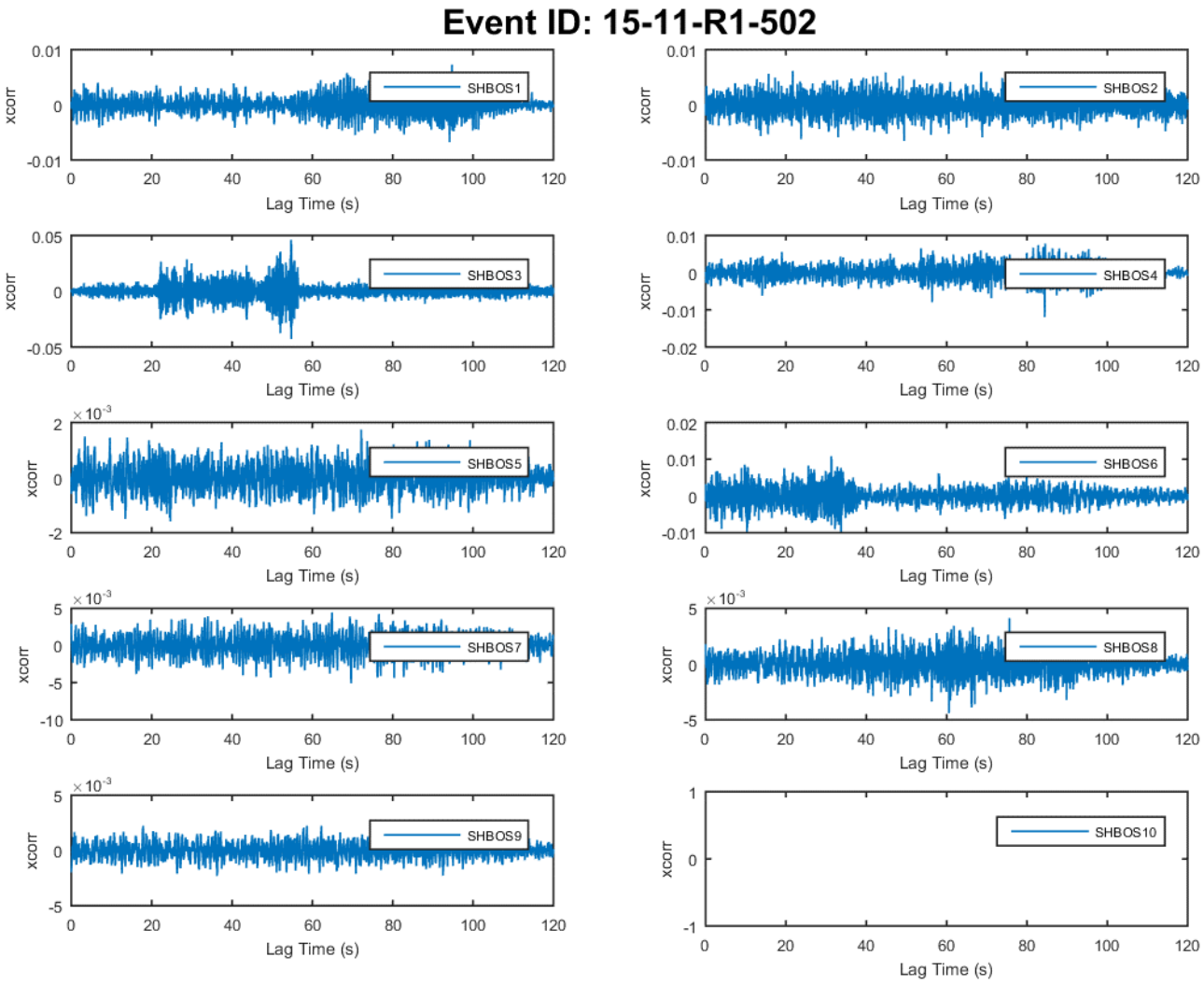


FIGURE 3.1527: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-502

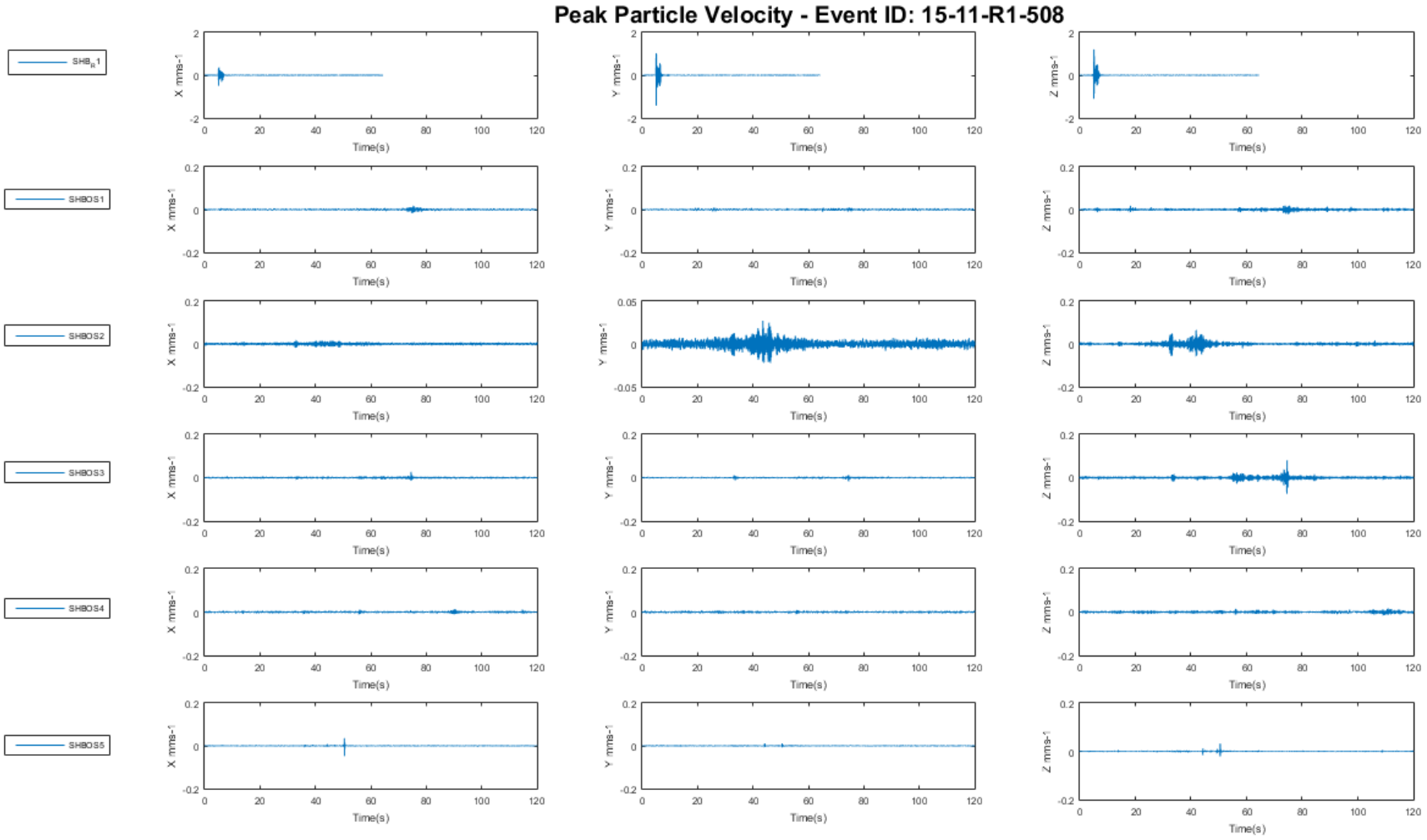


FIGURE 3.1528: SHB_OS 1 - 5 15-11-R1-508

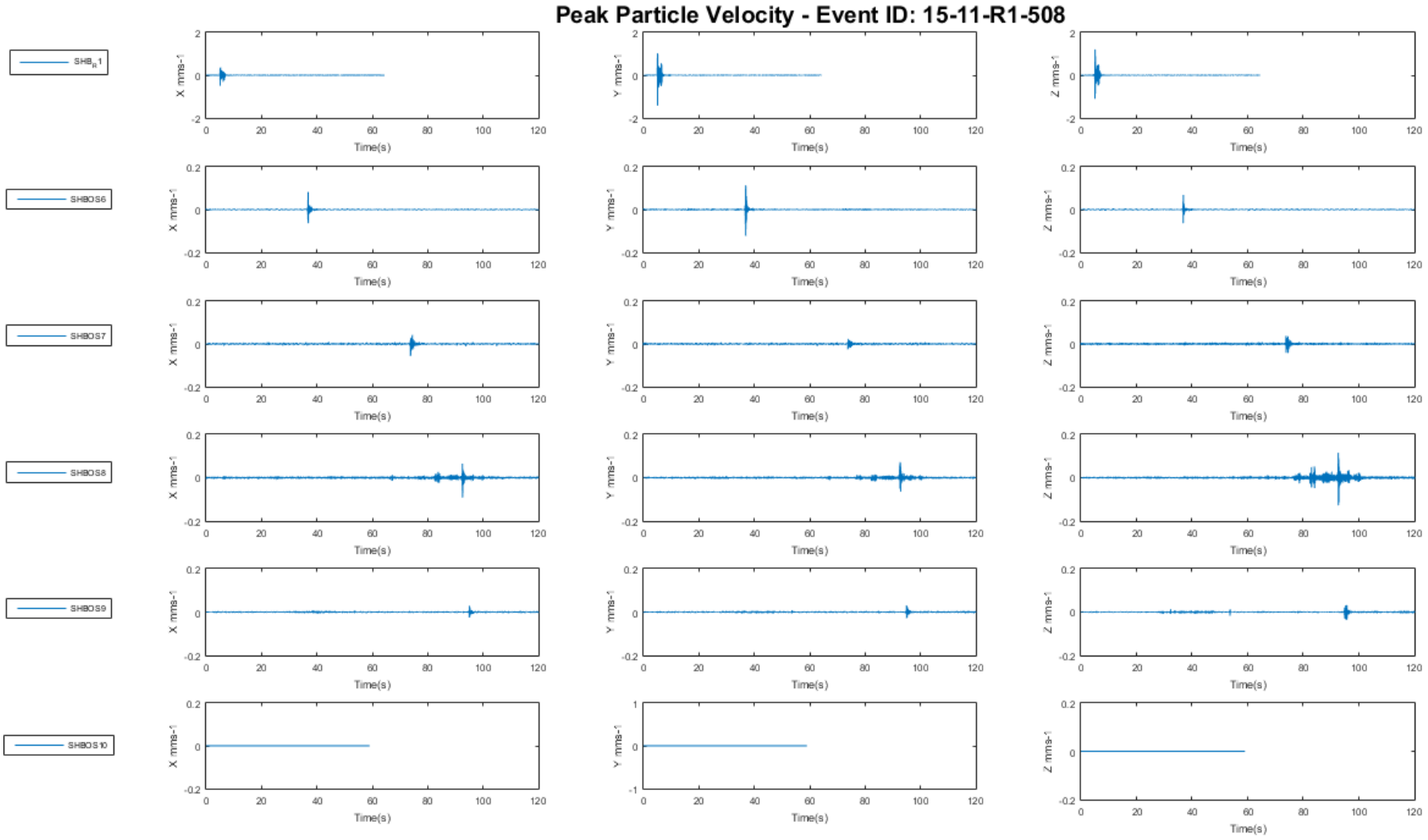


FIGURE 3.1529: SHB_OS 6 - 10 15-11-R1-508

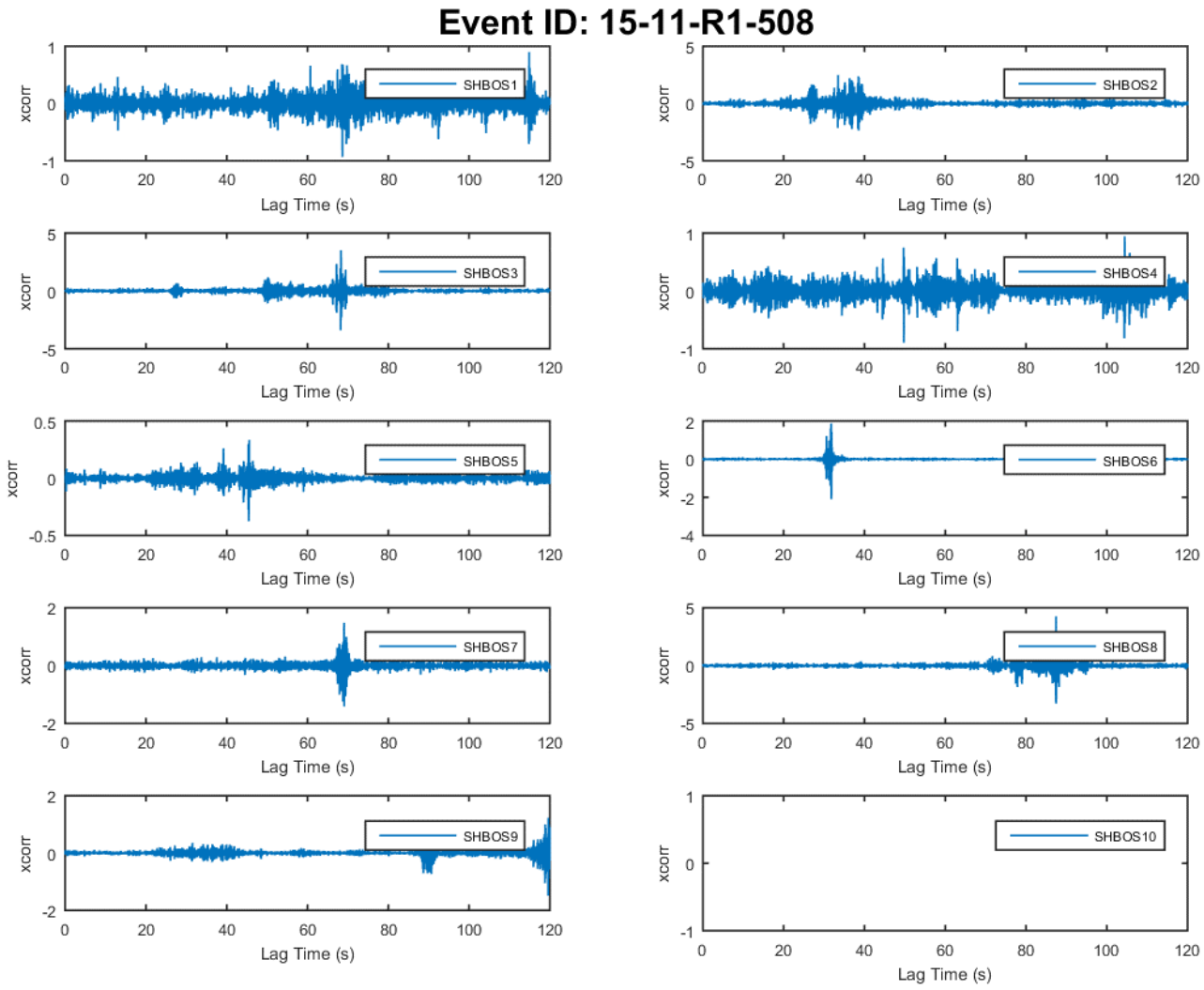


FIGURE 3.1530: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-508

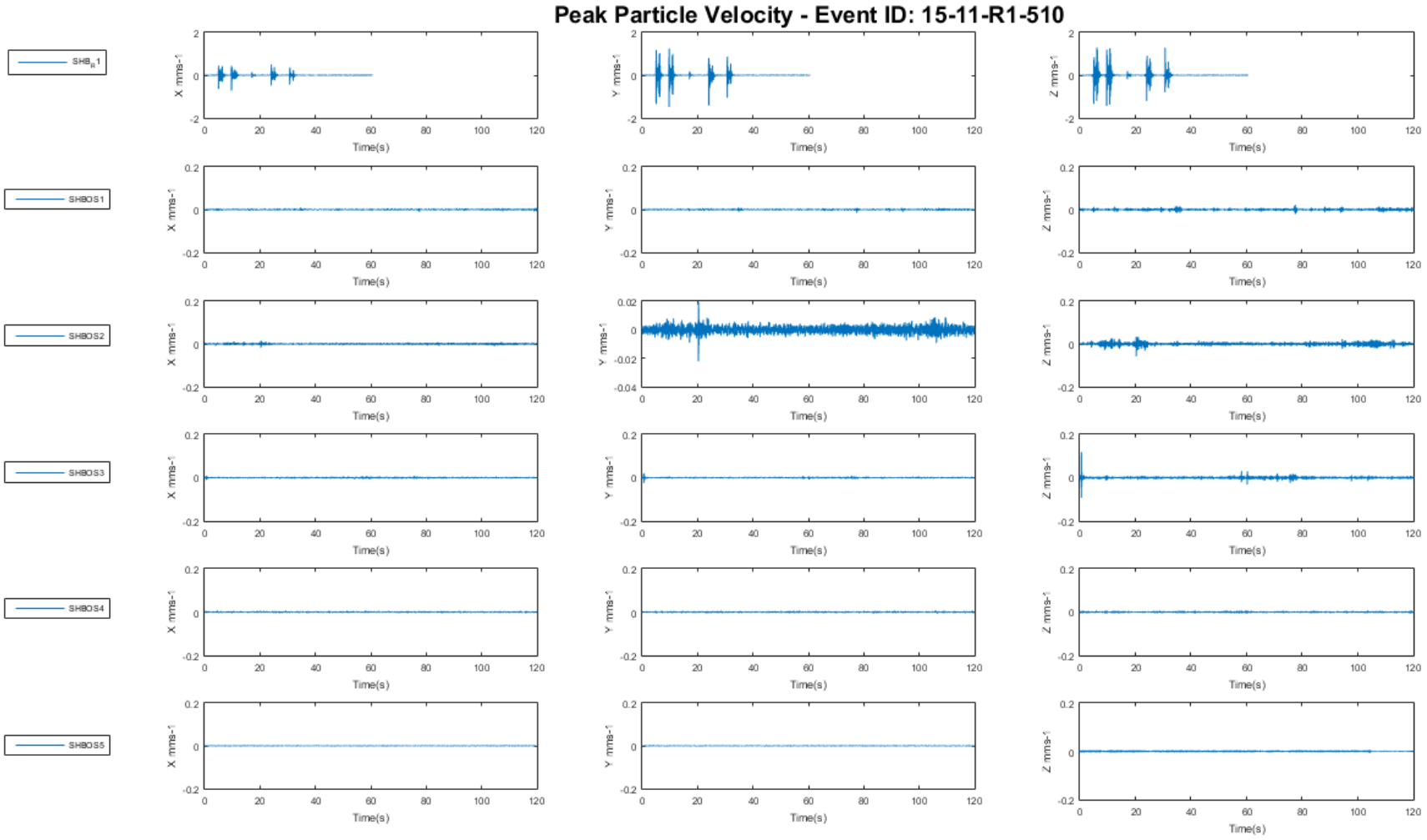


FIGURE 3.1531: SHB_OS 1 - 5 15-11-R1-510

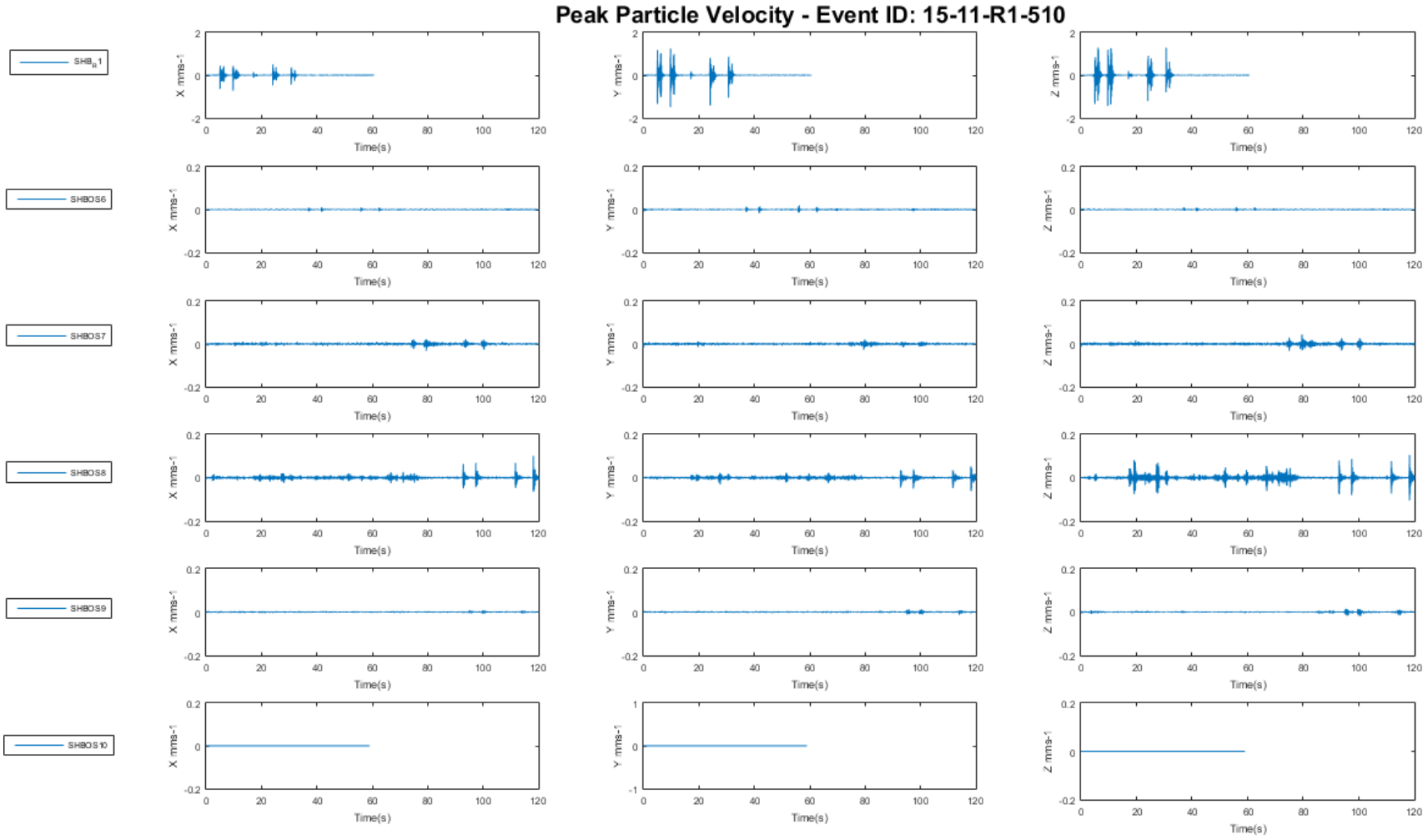


FIGURE 3.1532: SHB_OS 6 - 10 15-11-R1-510

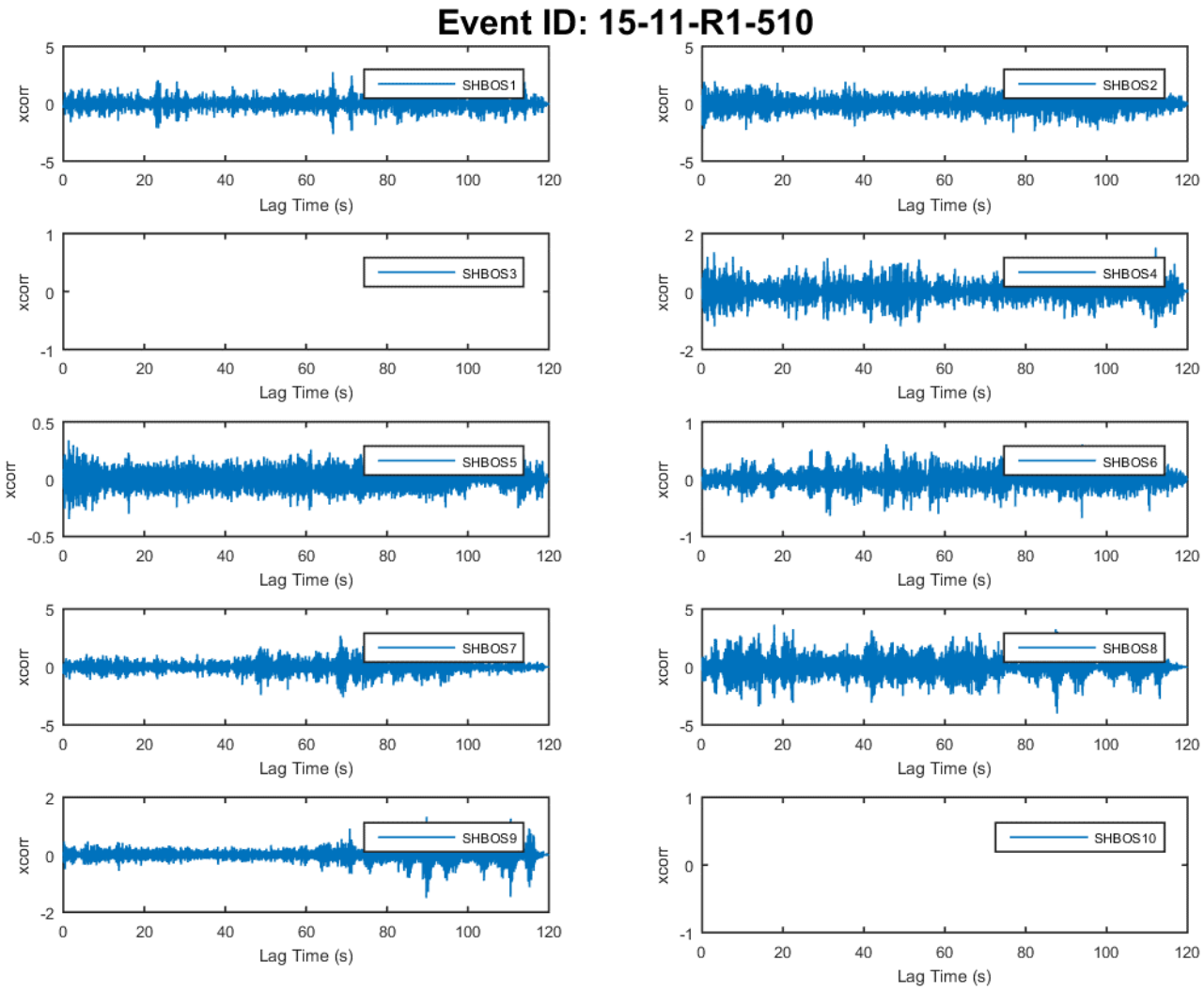


FIGURE 3.1533: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-510

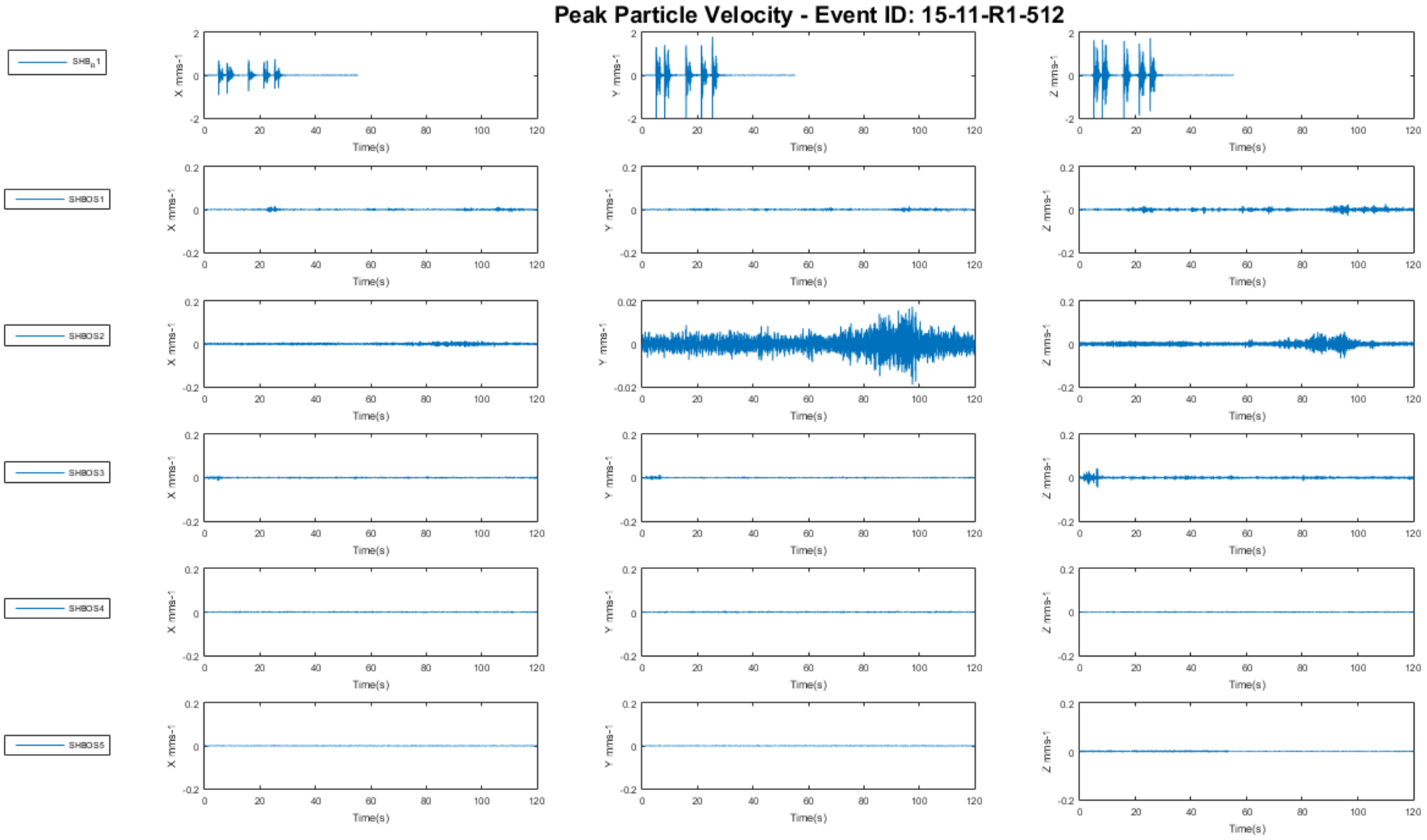


FIGURE 3.1534: SHB_OS 1 - 5 15-11-R1-512

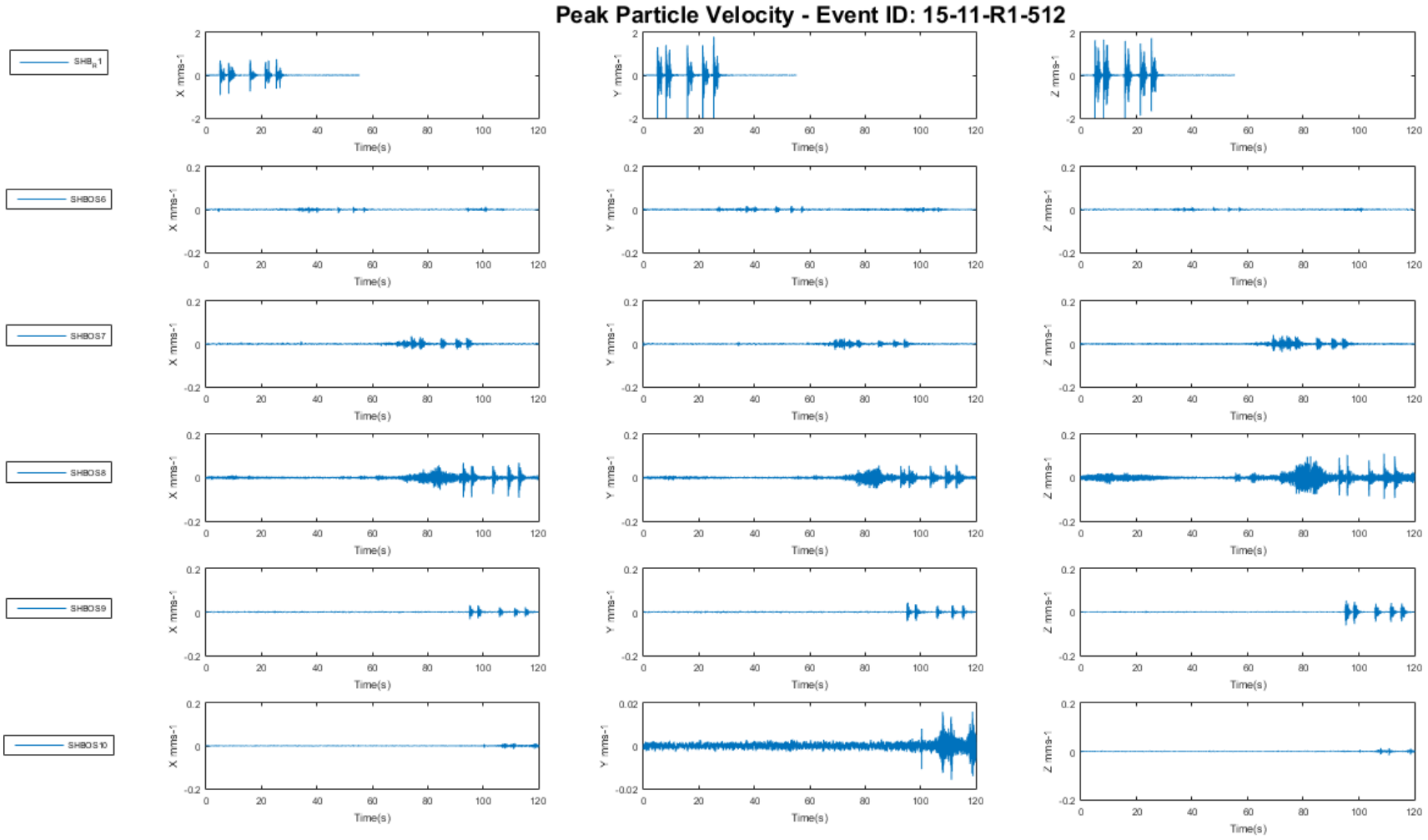


FIGURE 3.1535: SHB_OS 6 - 10 15-11-R1-512

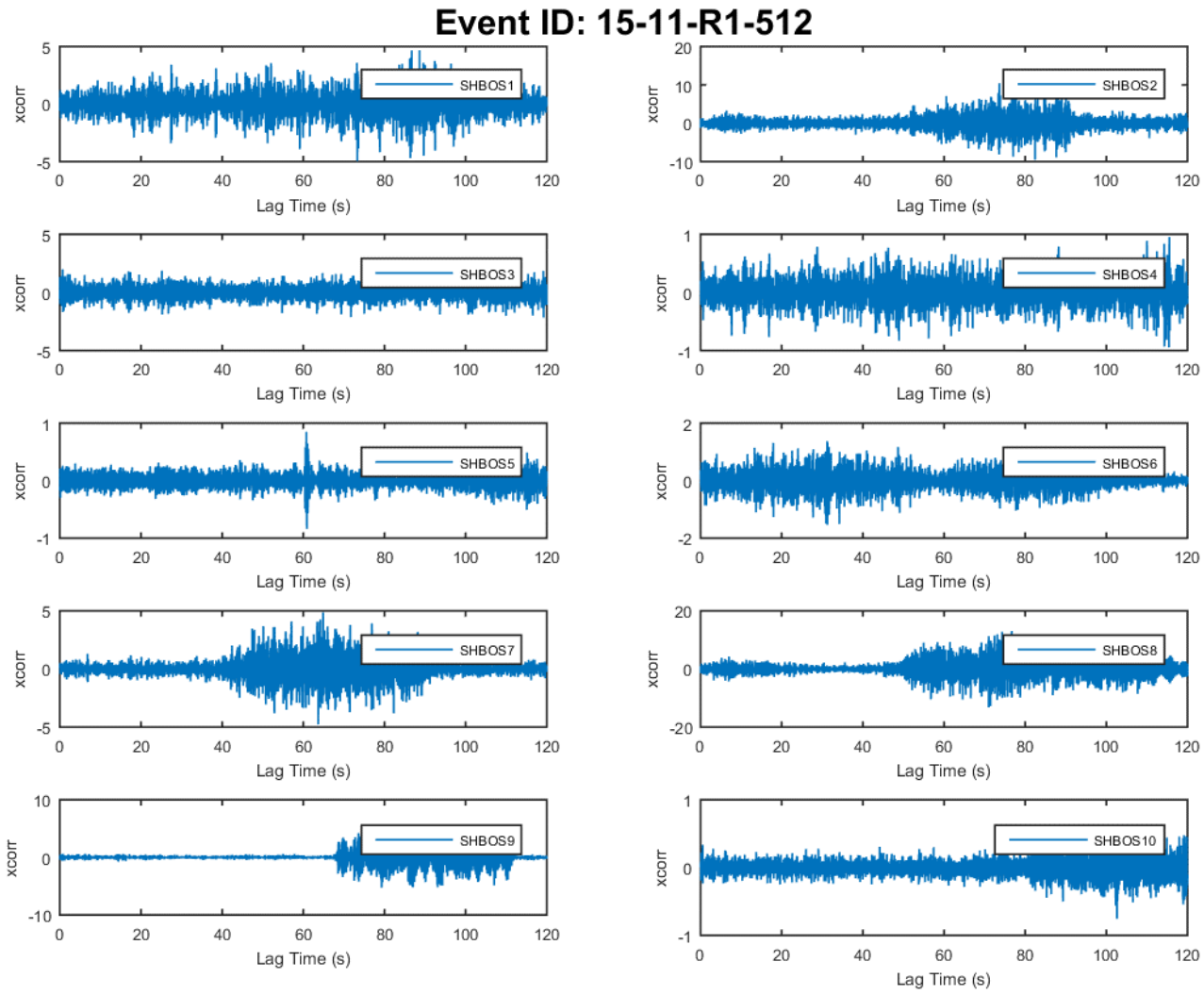


FIGURE 3.1536: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-512

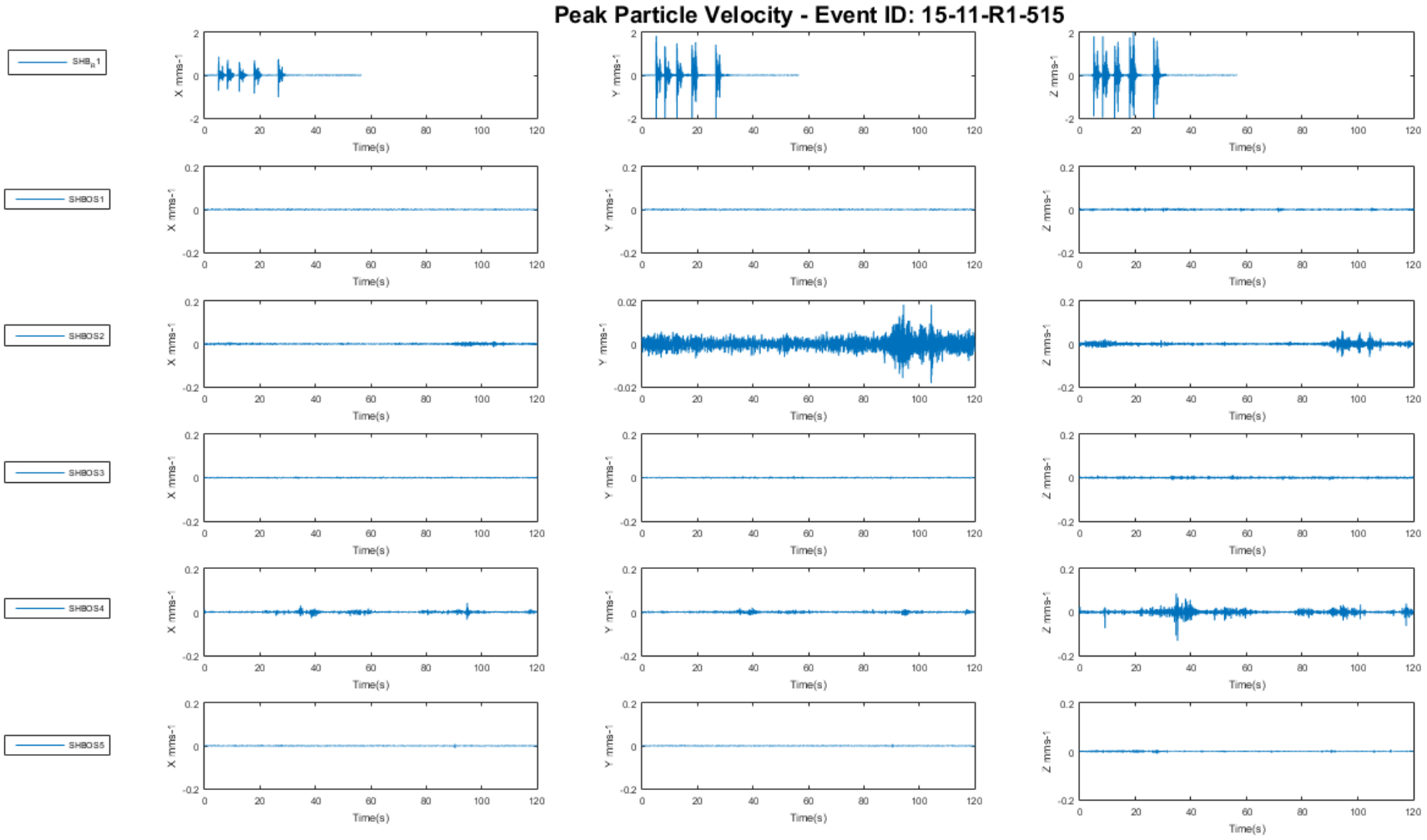


FIGURE 3.1537: SHB_OS 1 - 5 15-11-R1-515

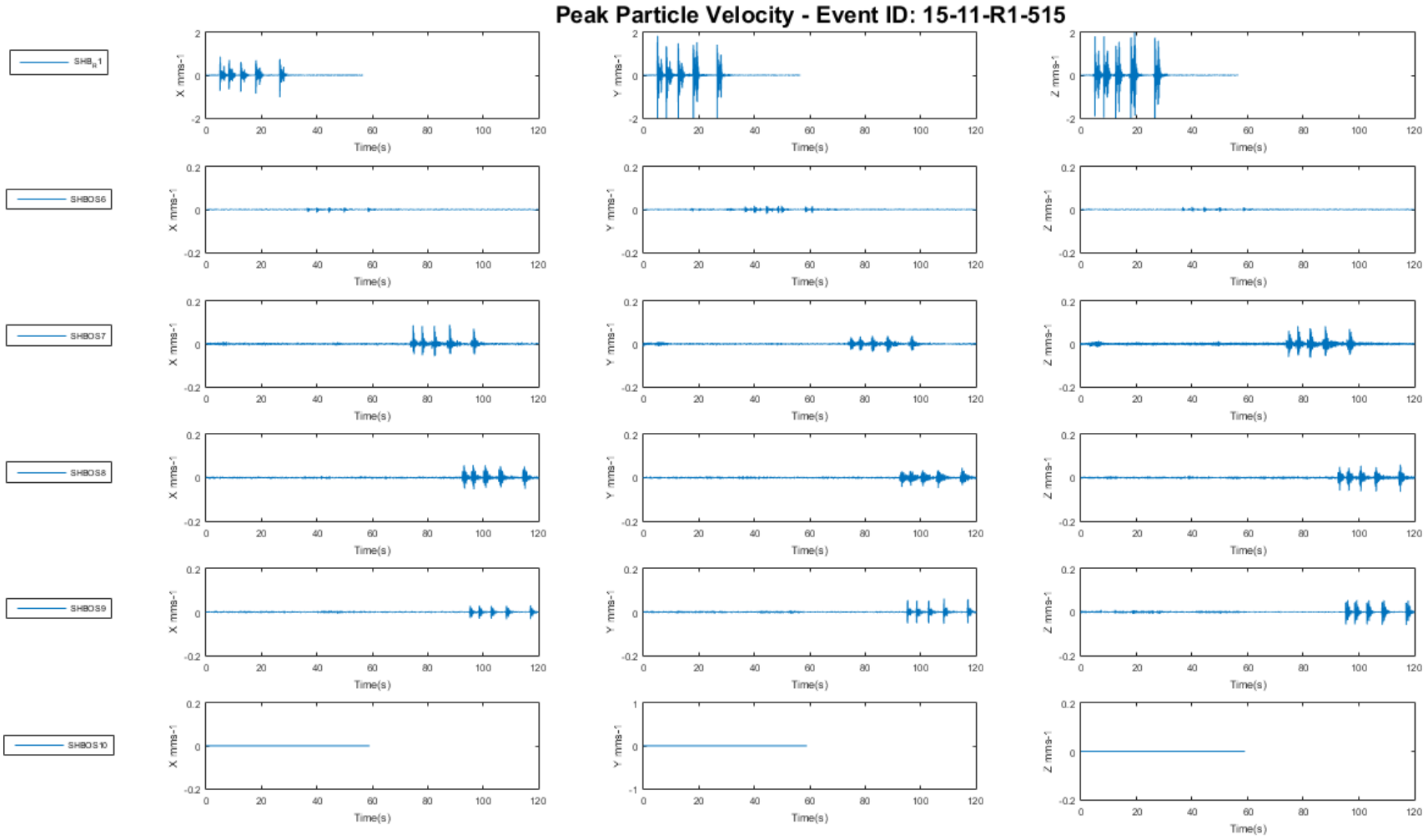


FIGURE 3.1538: SHB_OS 6 - 10 15-11-R1-515

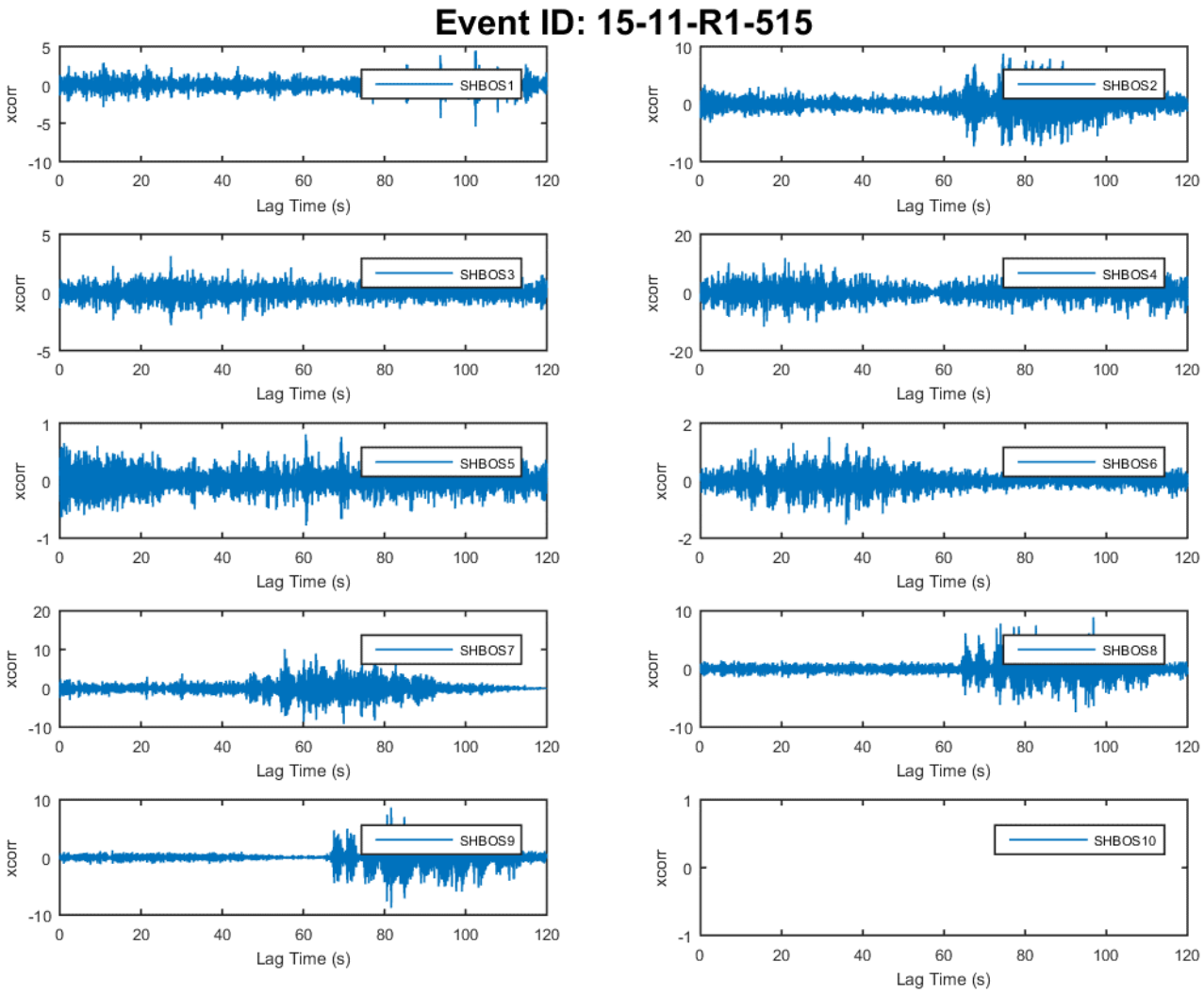


FIGURE 3.1539: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-515

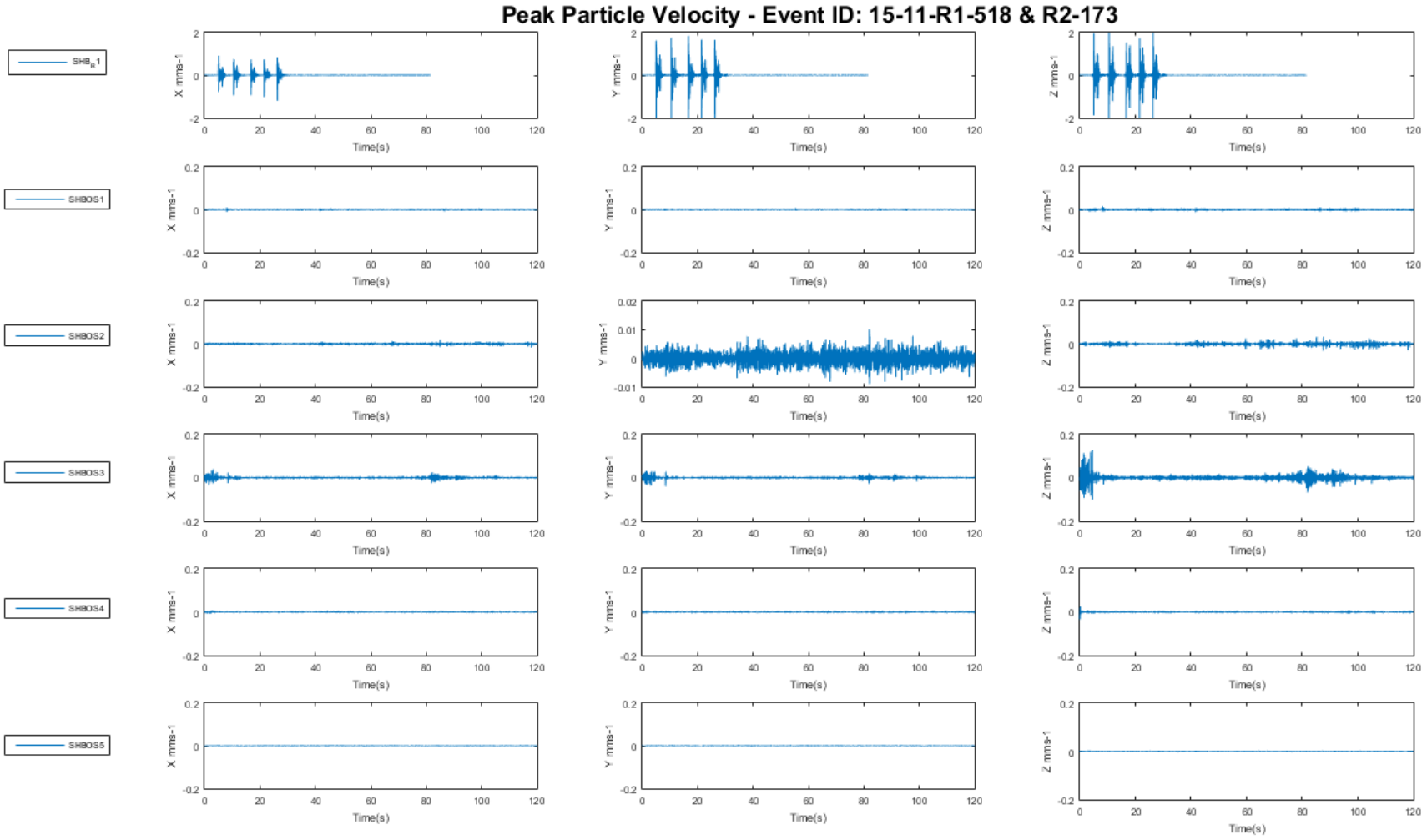


FIGURE 3.1540: SHB_OS 1 - 5 15-11-R1-518 & R2-173

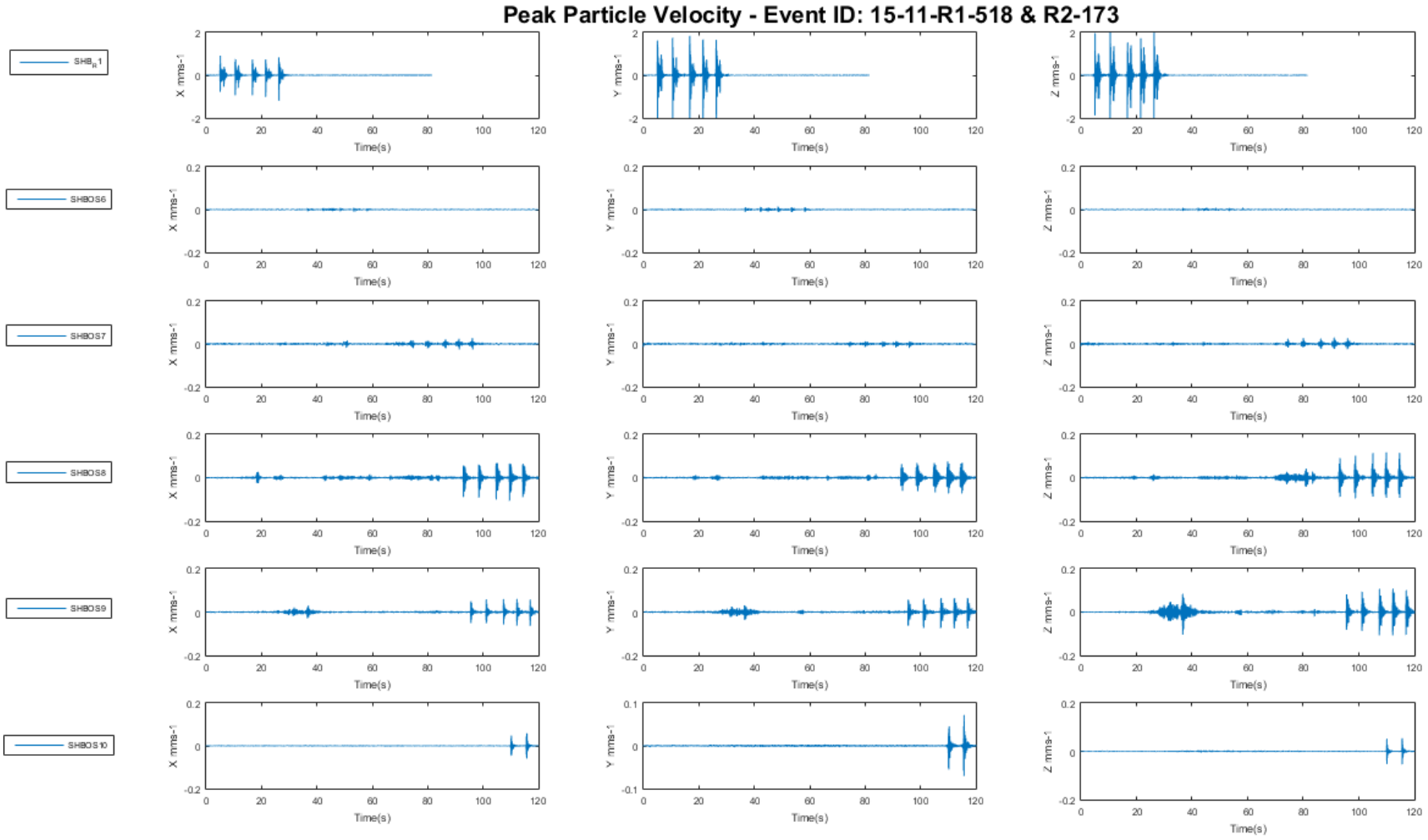


FIGURE 3.1541: SHB_OS 6 - 10 15-11-R1-518 & R2-173

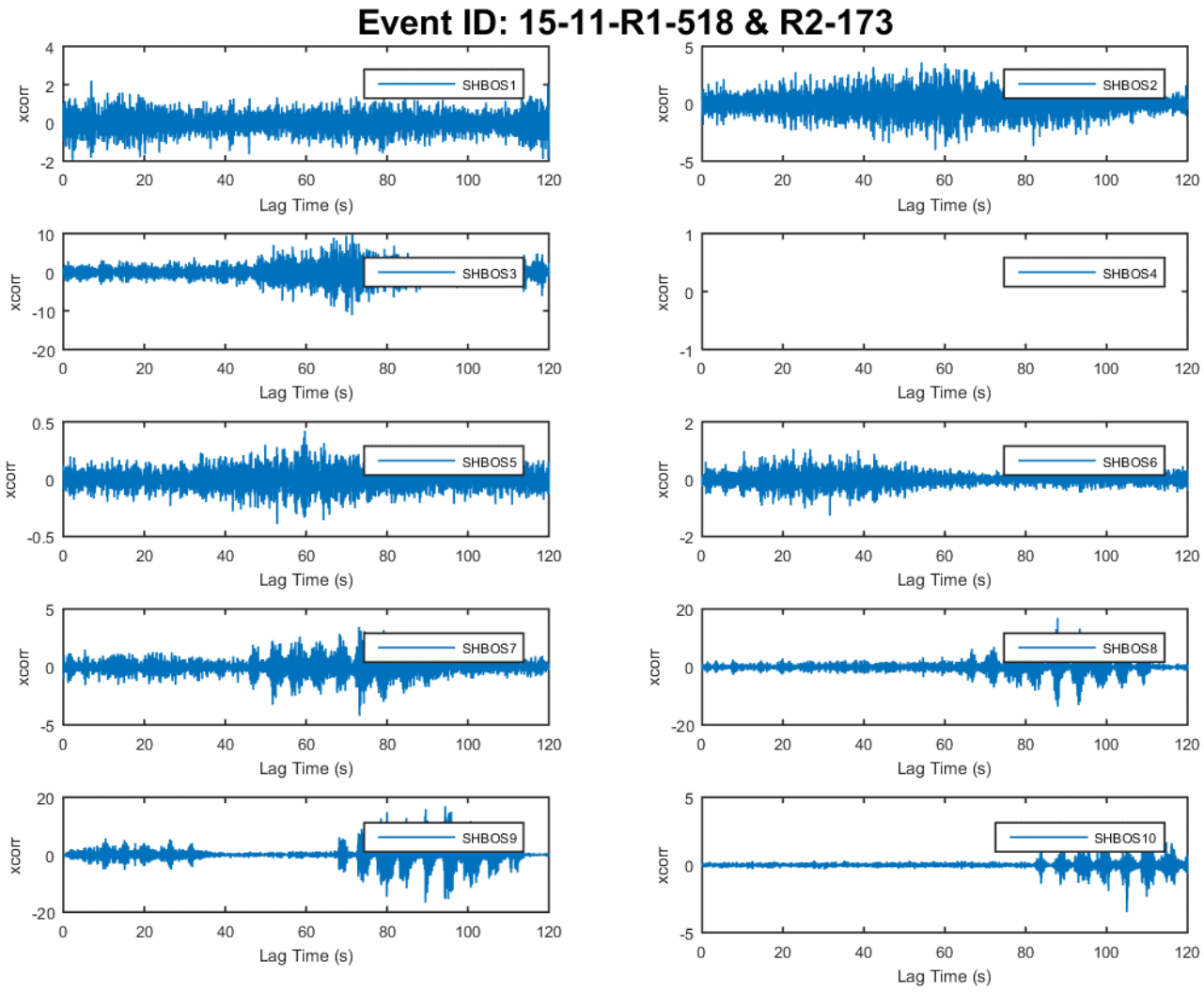


FIGURE 3.1542: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-518 & R2-173

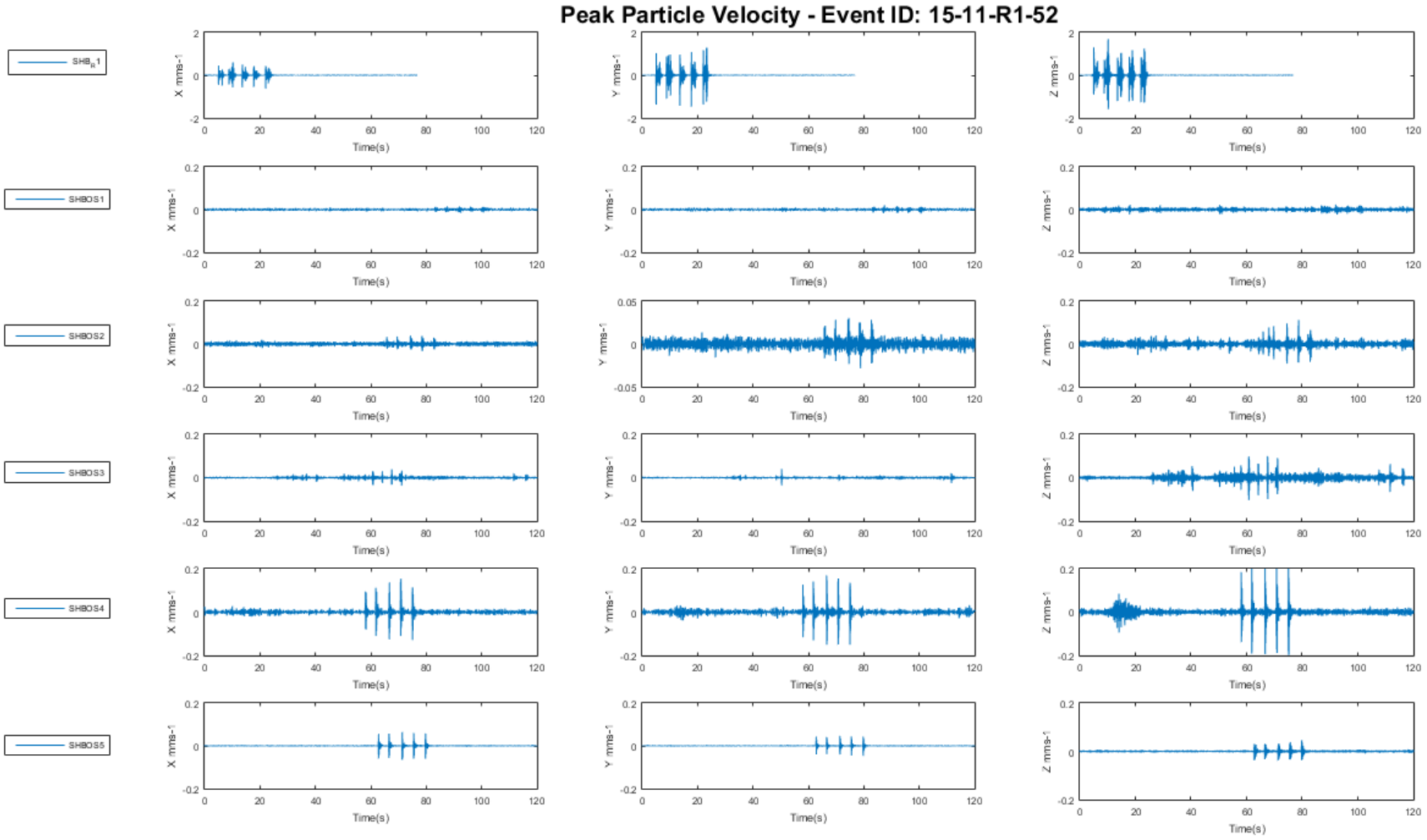


FIGURE 3.1543: SHB_OS 1 - 5 15-11-R1-52

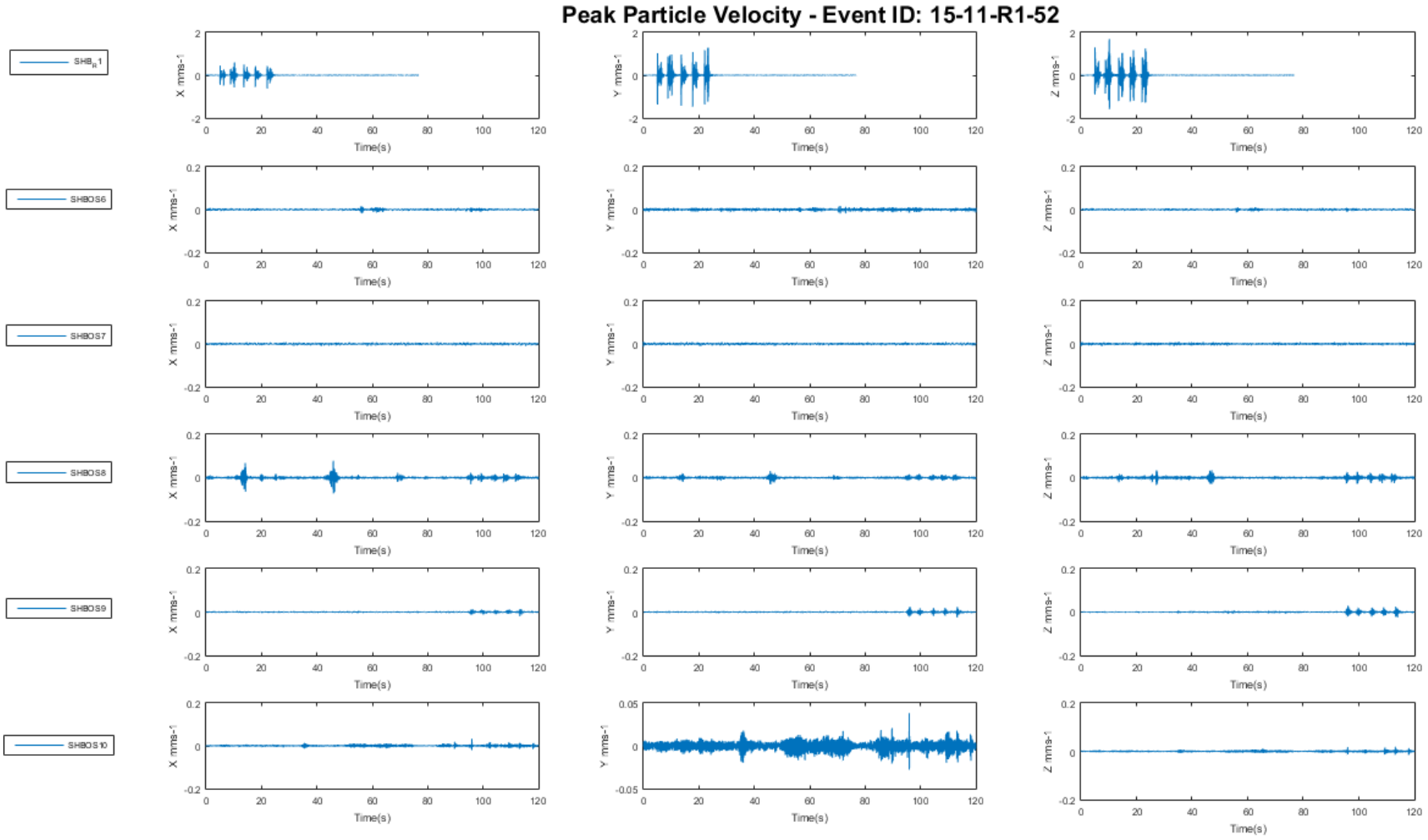


FIGURE 3.1544: SHB_OS 6 - 10 15-11-R1-52

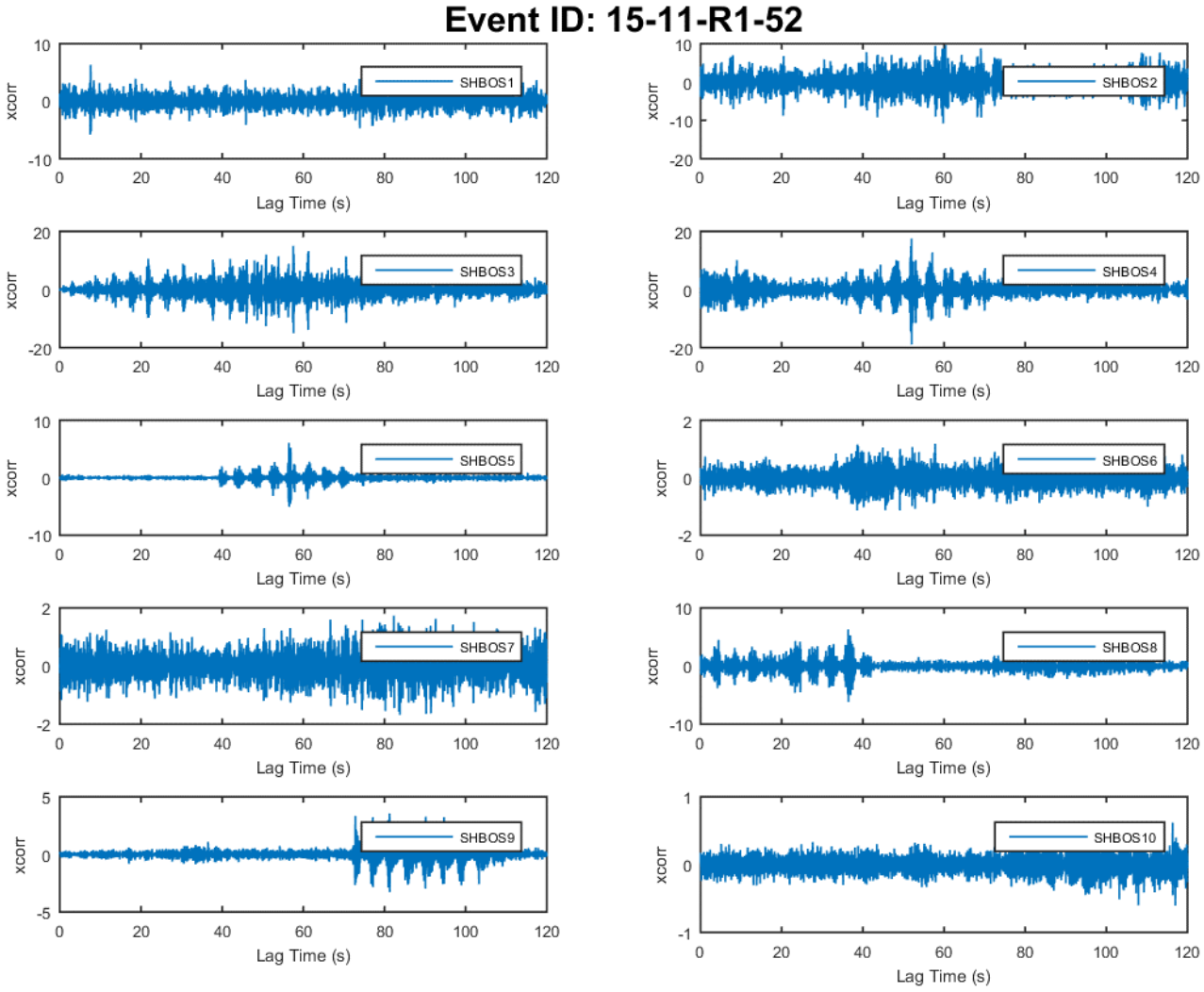


FIGURE 3.1545: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-52

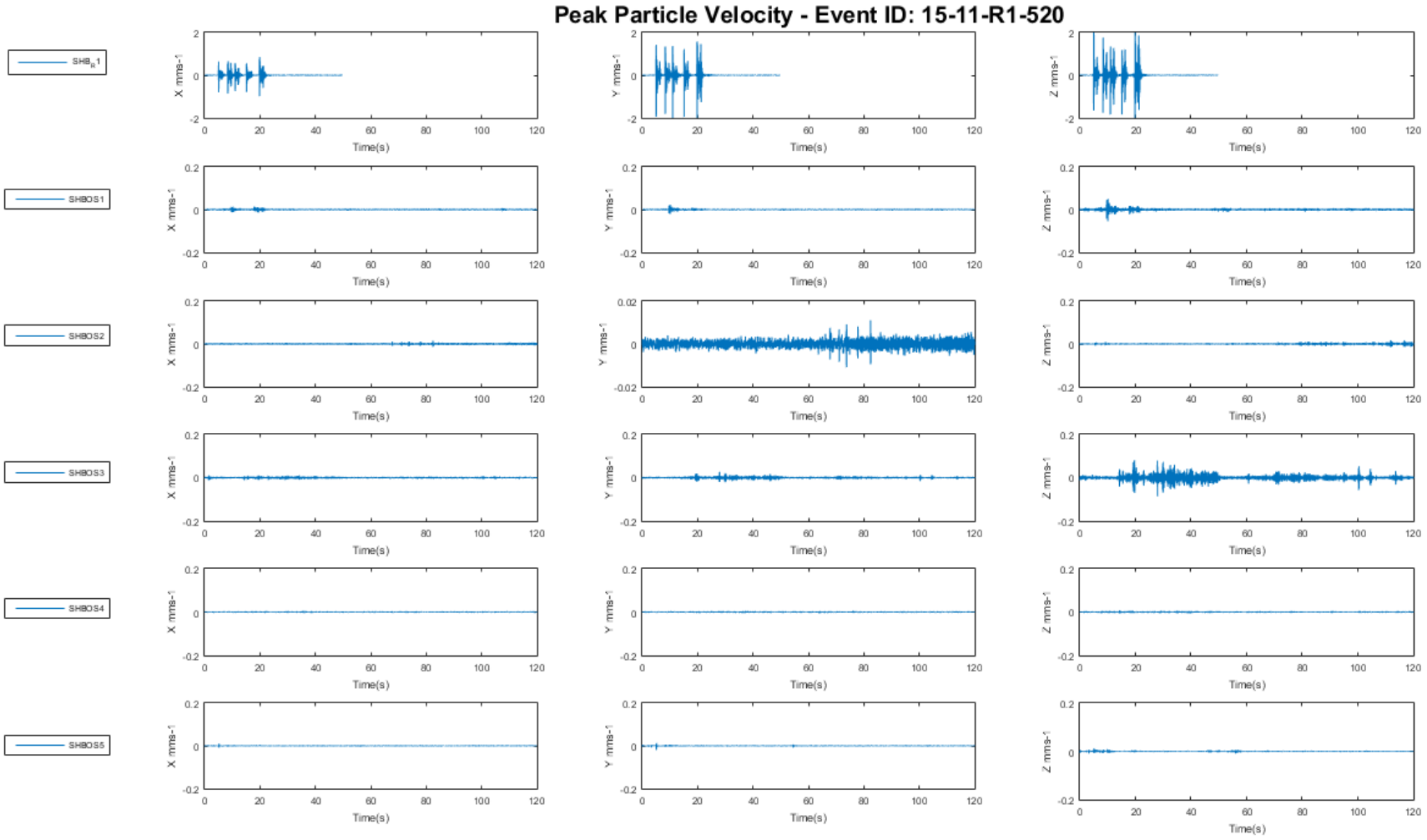


FIGURE 3.1546: SHB_OS 1 - 5 15-11-R1-520

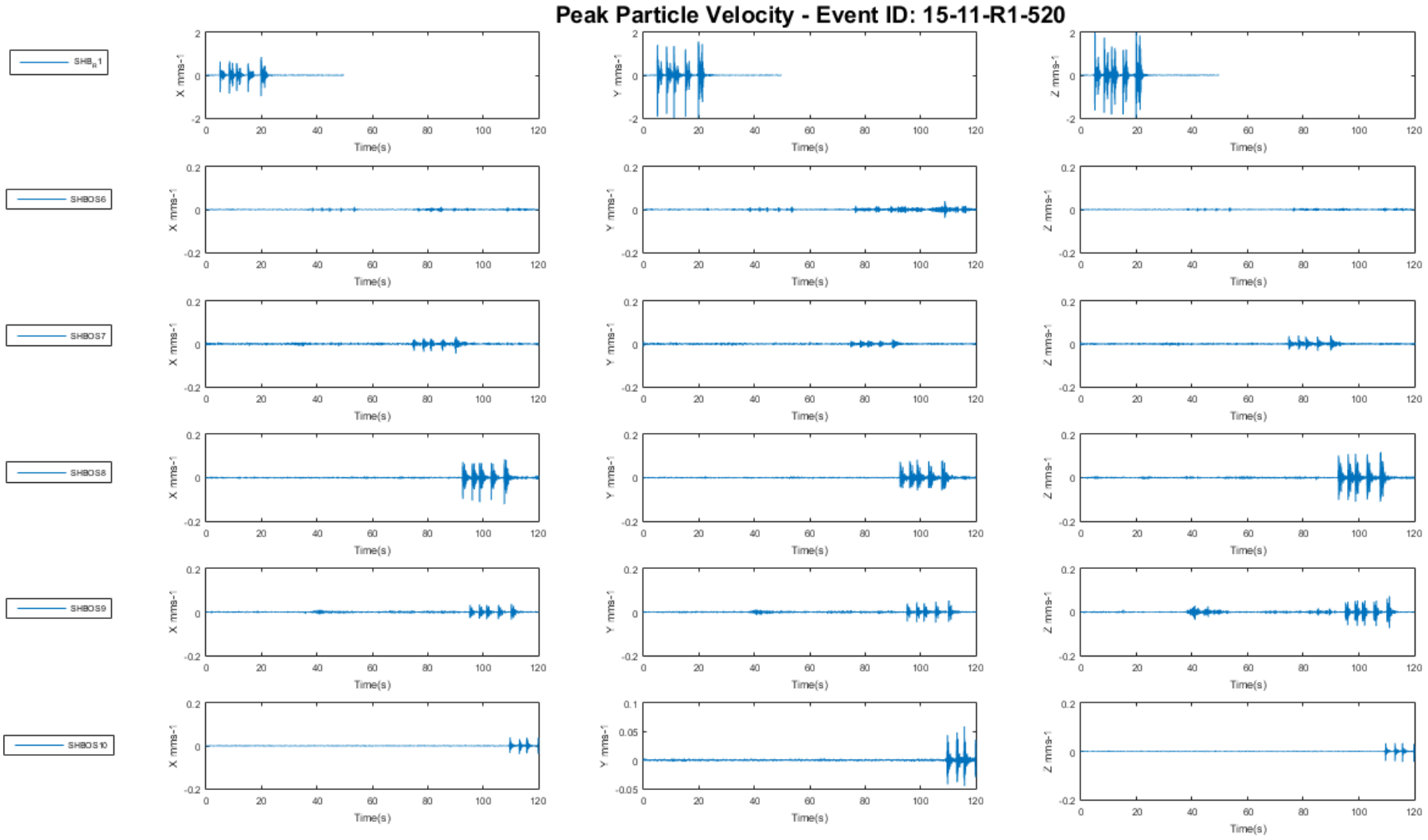


FIGURE 3.1547: SHB_OS 6 - 10 15-11-R1-520

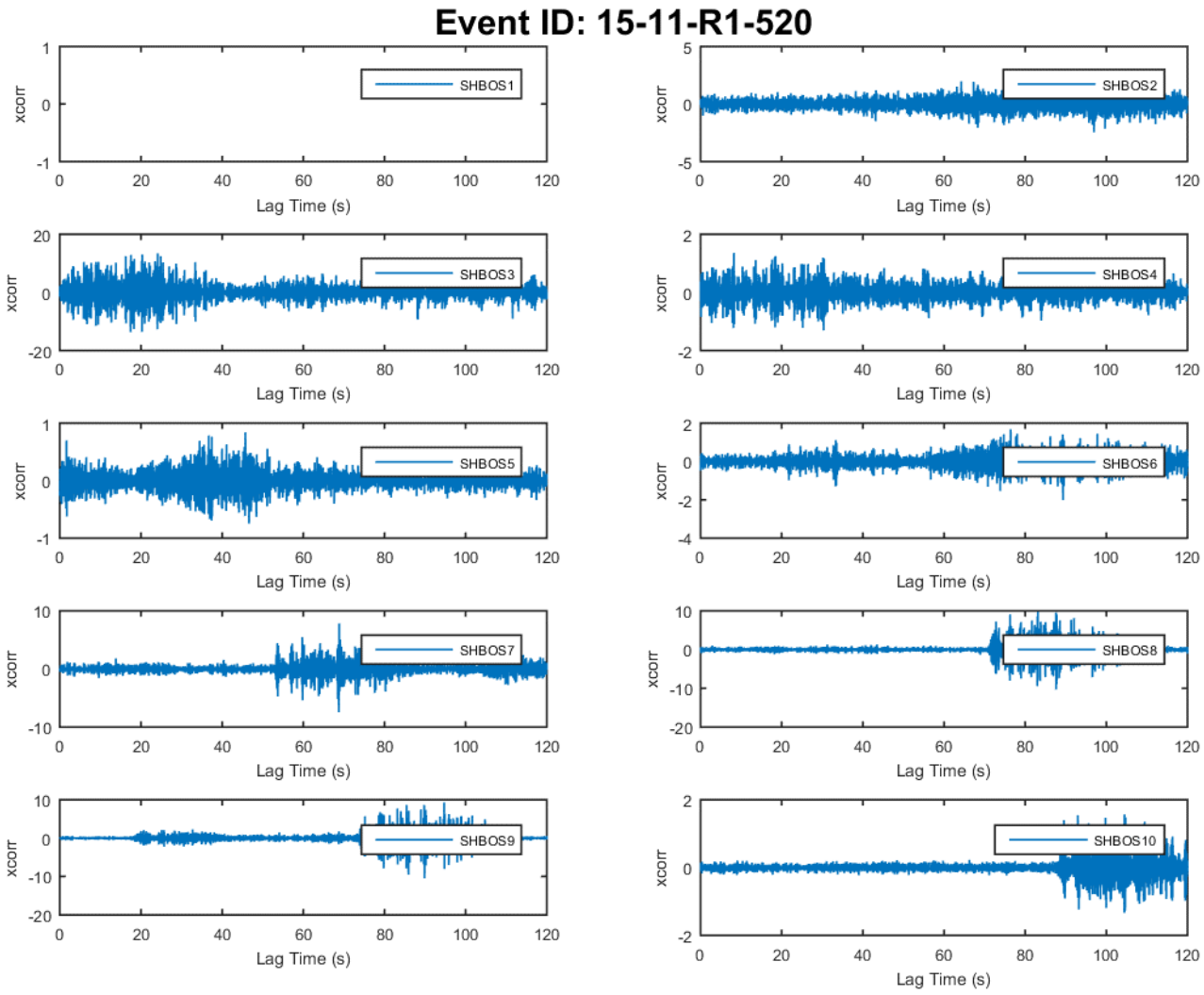


FIGURE 3.1548: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-520

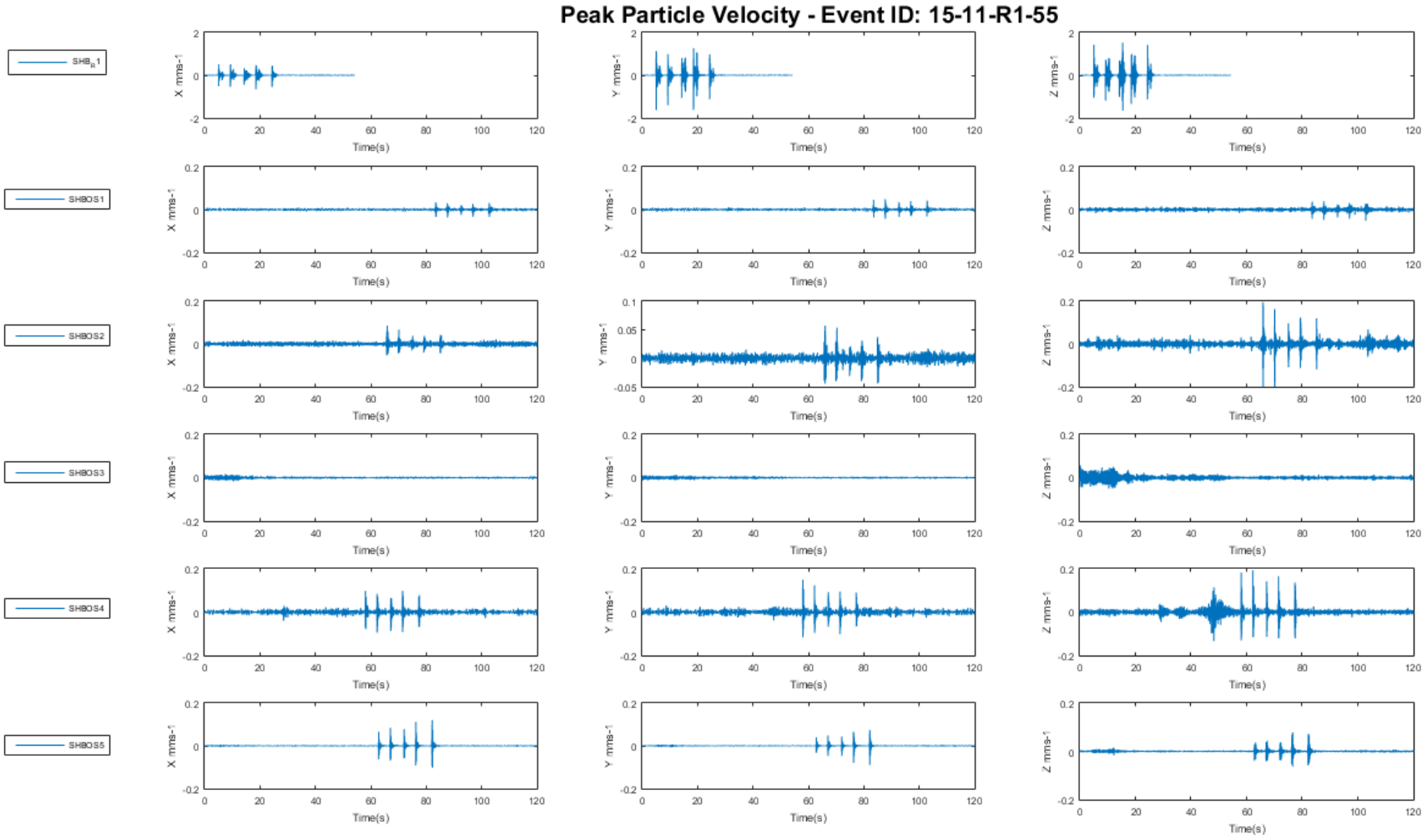


FIGURE 3.1549: SHB_OS 1 - 5 15-11-R1-55

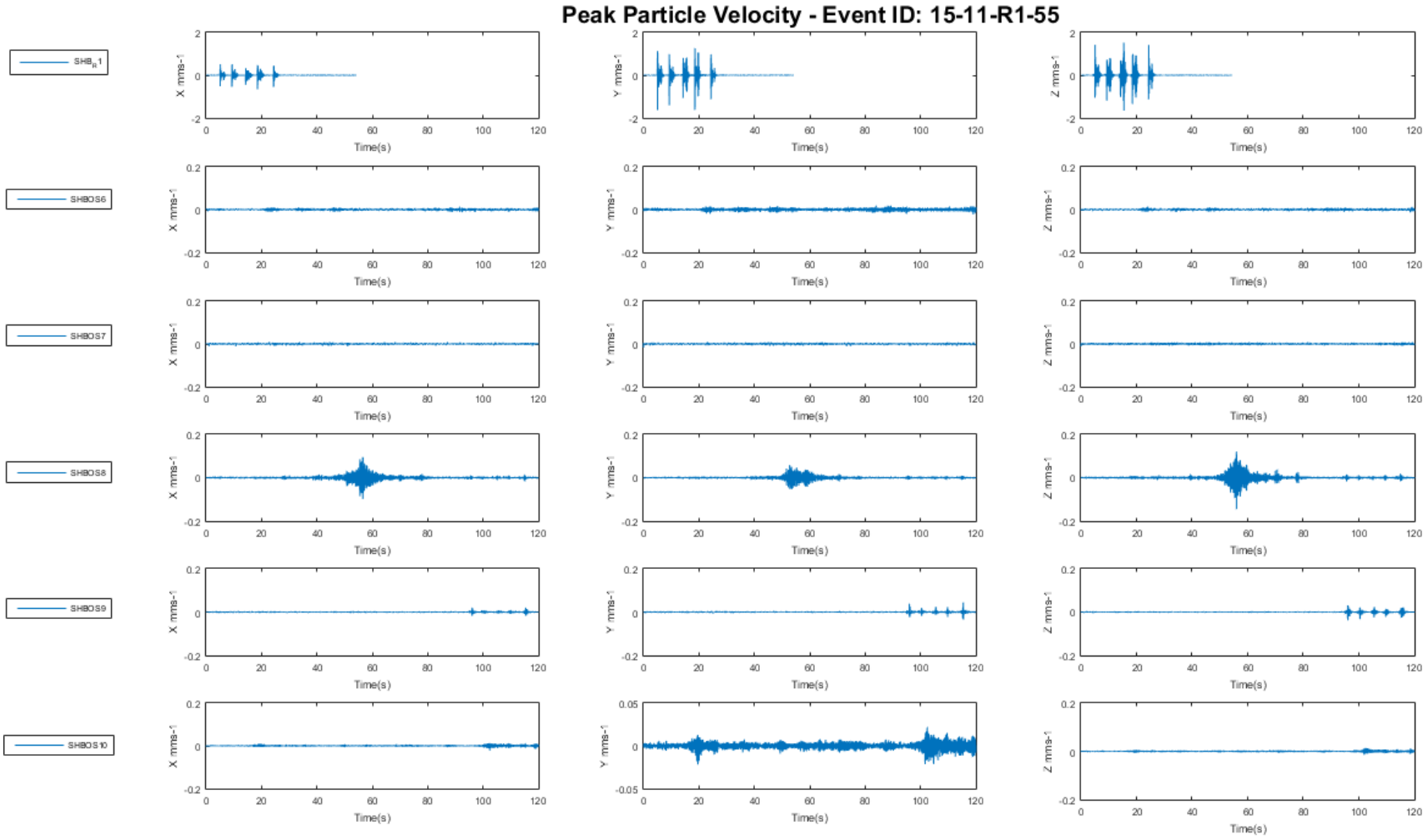


FIGURE 3.1550: SHB_OS 6 - 10 15-11-R1-55

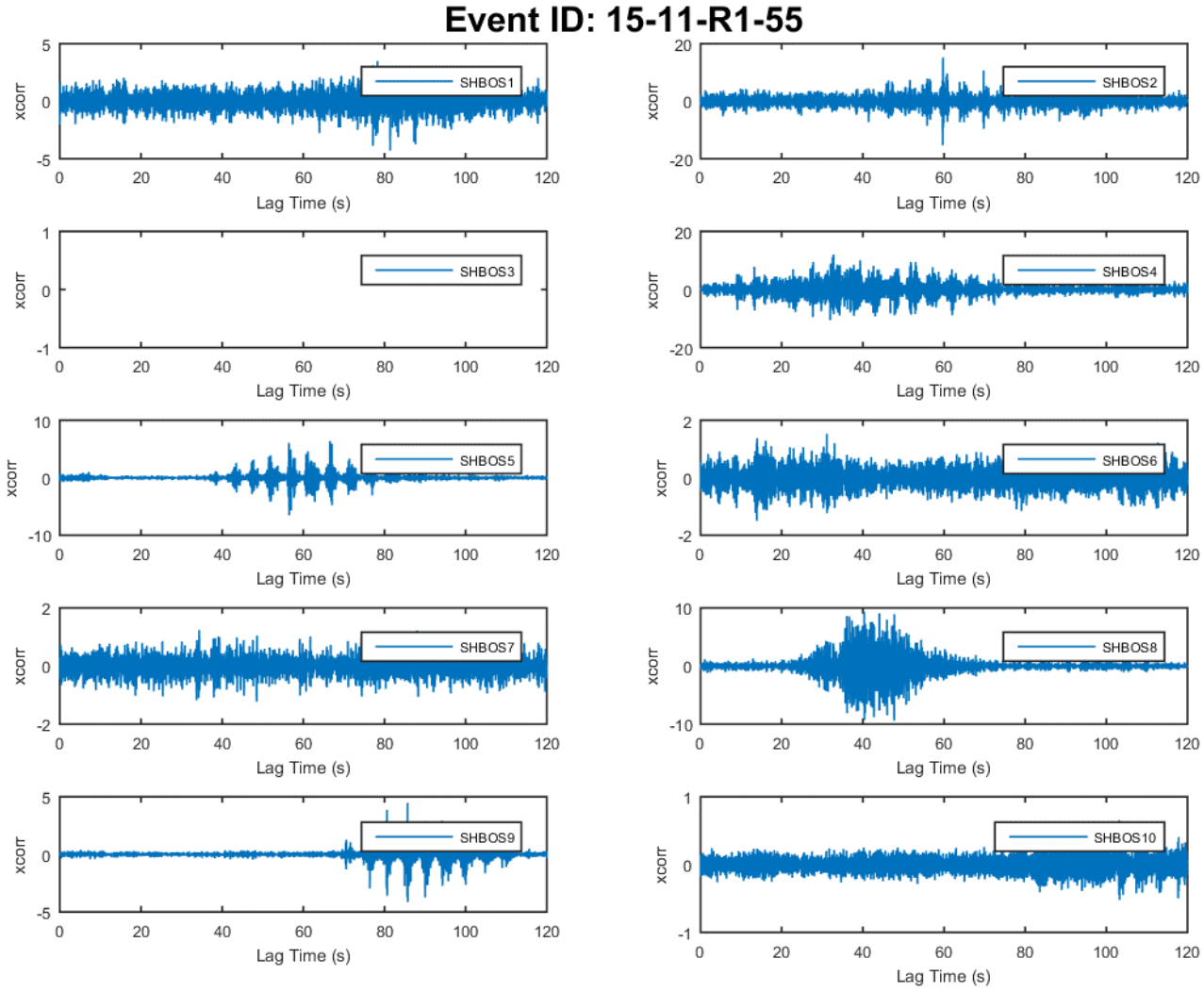


FIGURE 3.1551: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-55

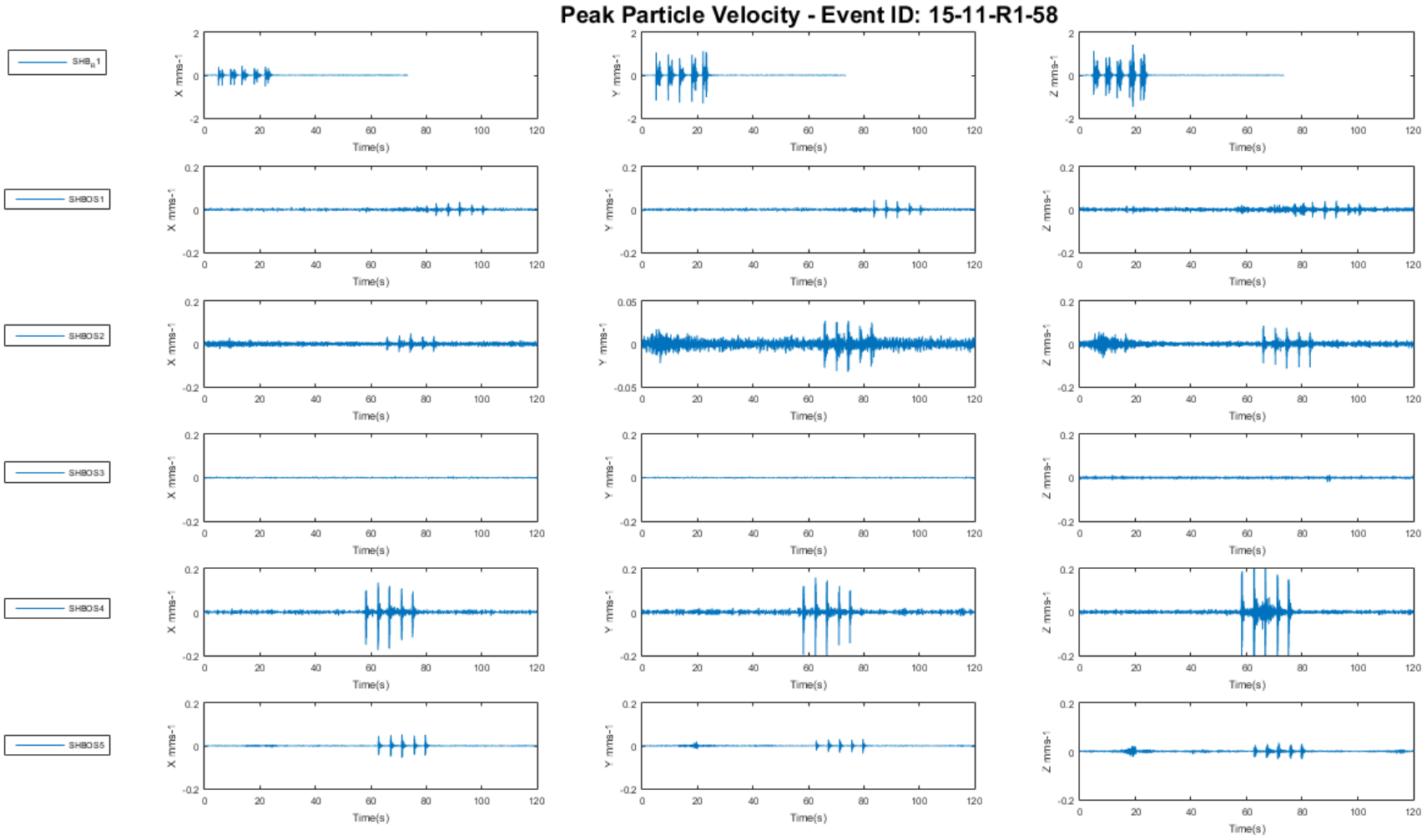


FIGURE 3.1552: SHB_OS 1 - 5 15-11-R1-58

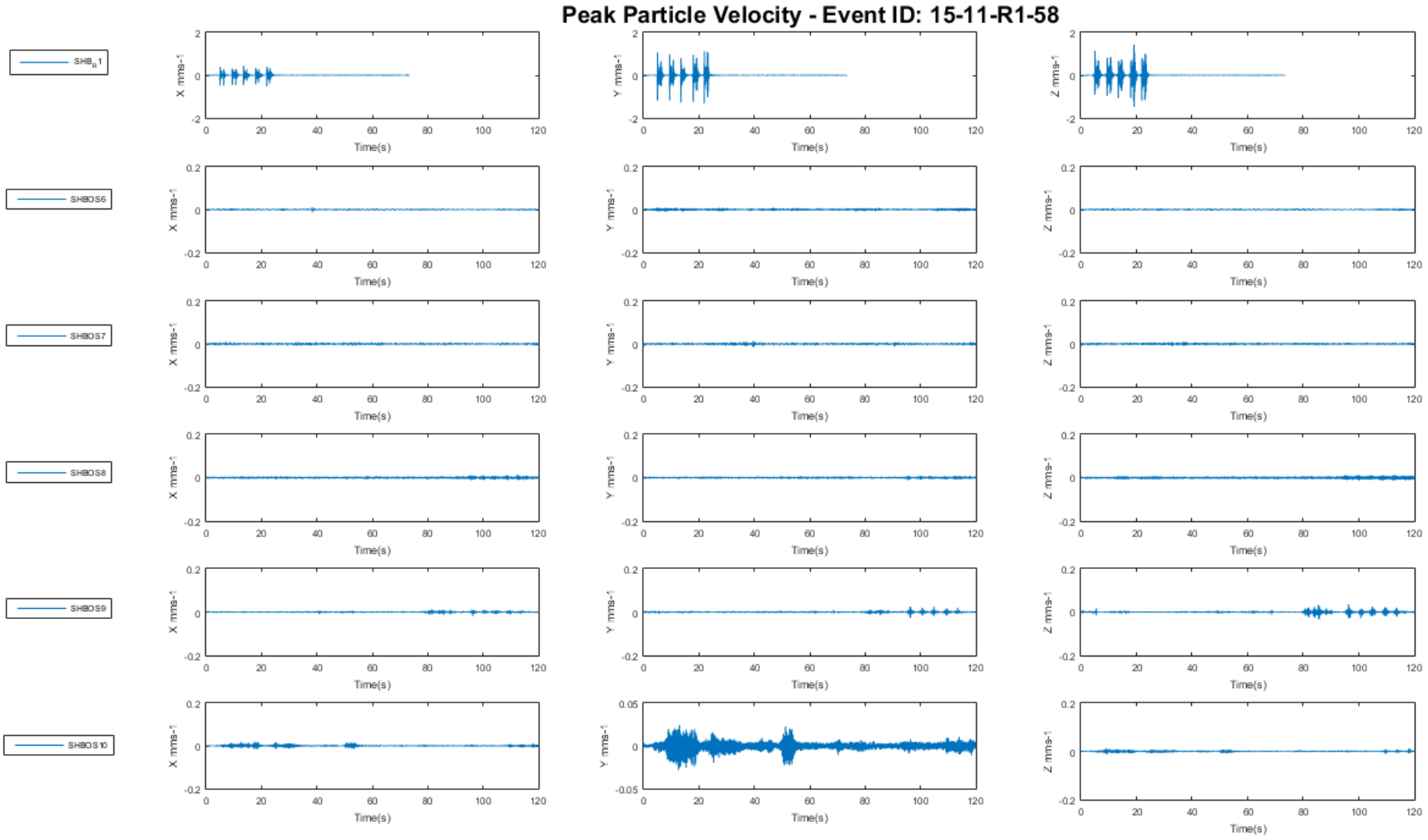


FIGURE 3.1553: SHB_OS 6 - 10 15-11-R1-58

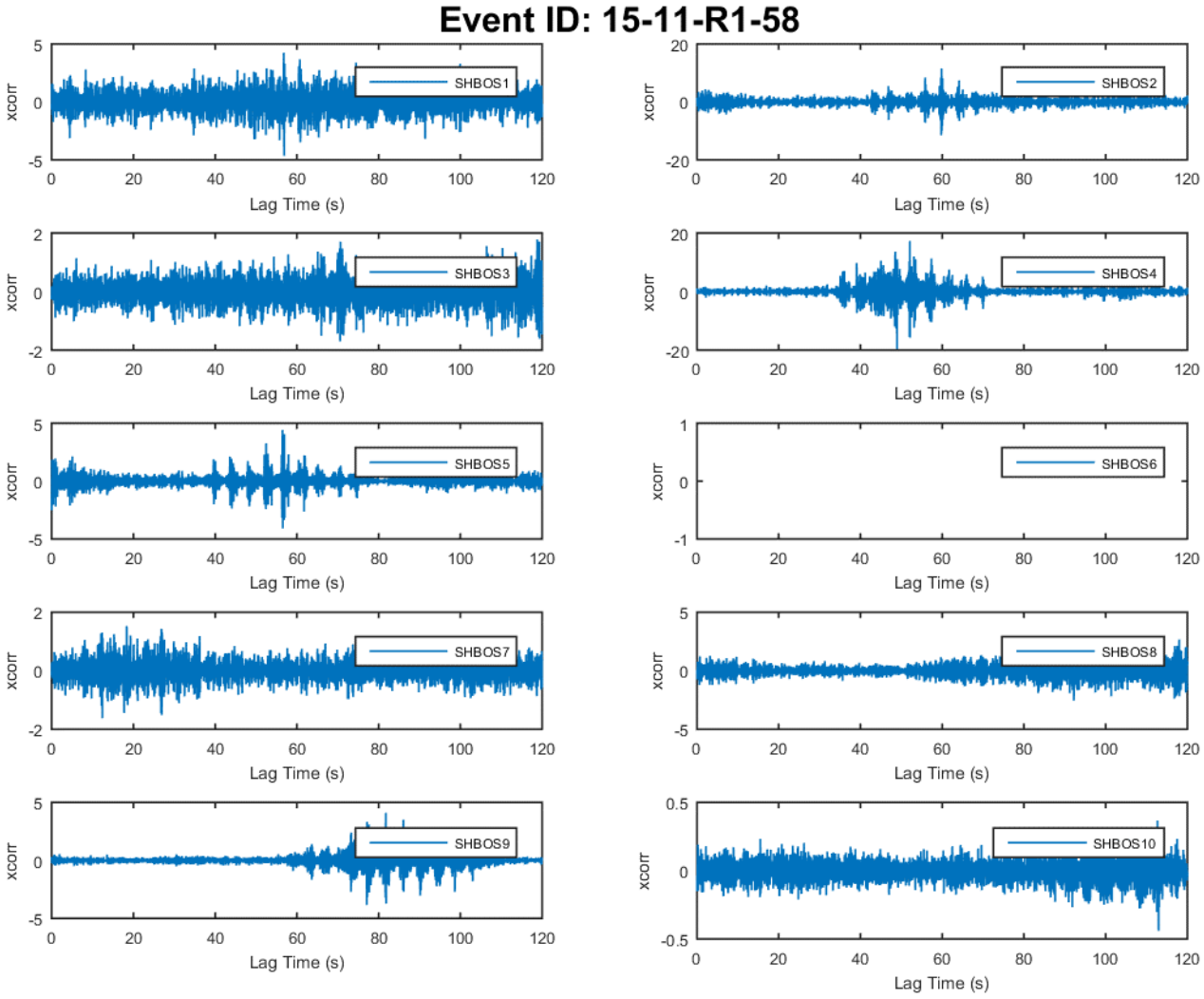


FIGURE 3.1554: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-58

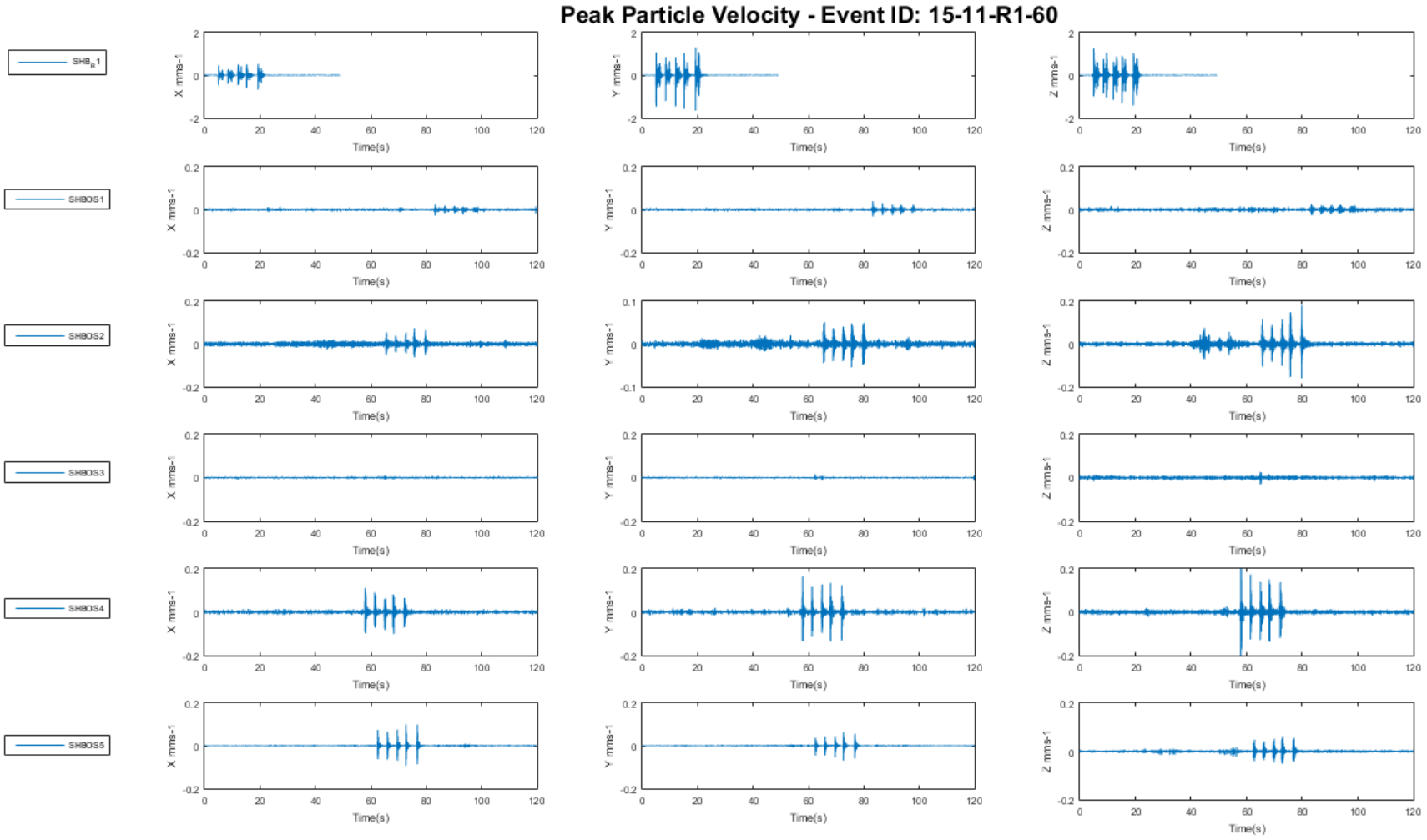


FIGURE 3.1555: SHB_OS 1 - 5 15-11-R1-60

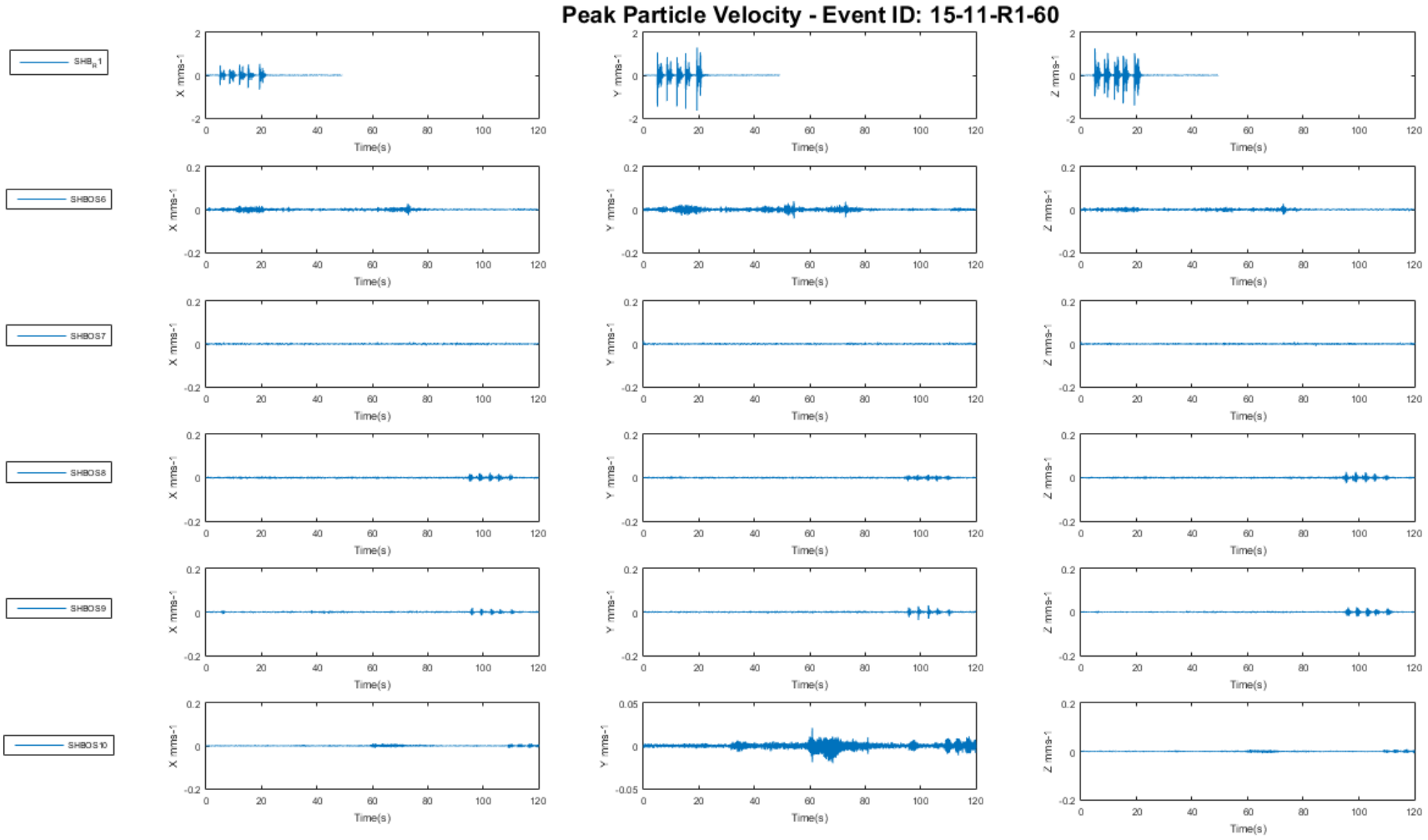


FIGURE 3.1556: SHB_OS 6 - 10 15-11-R1-60

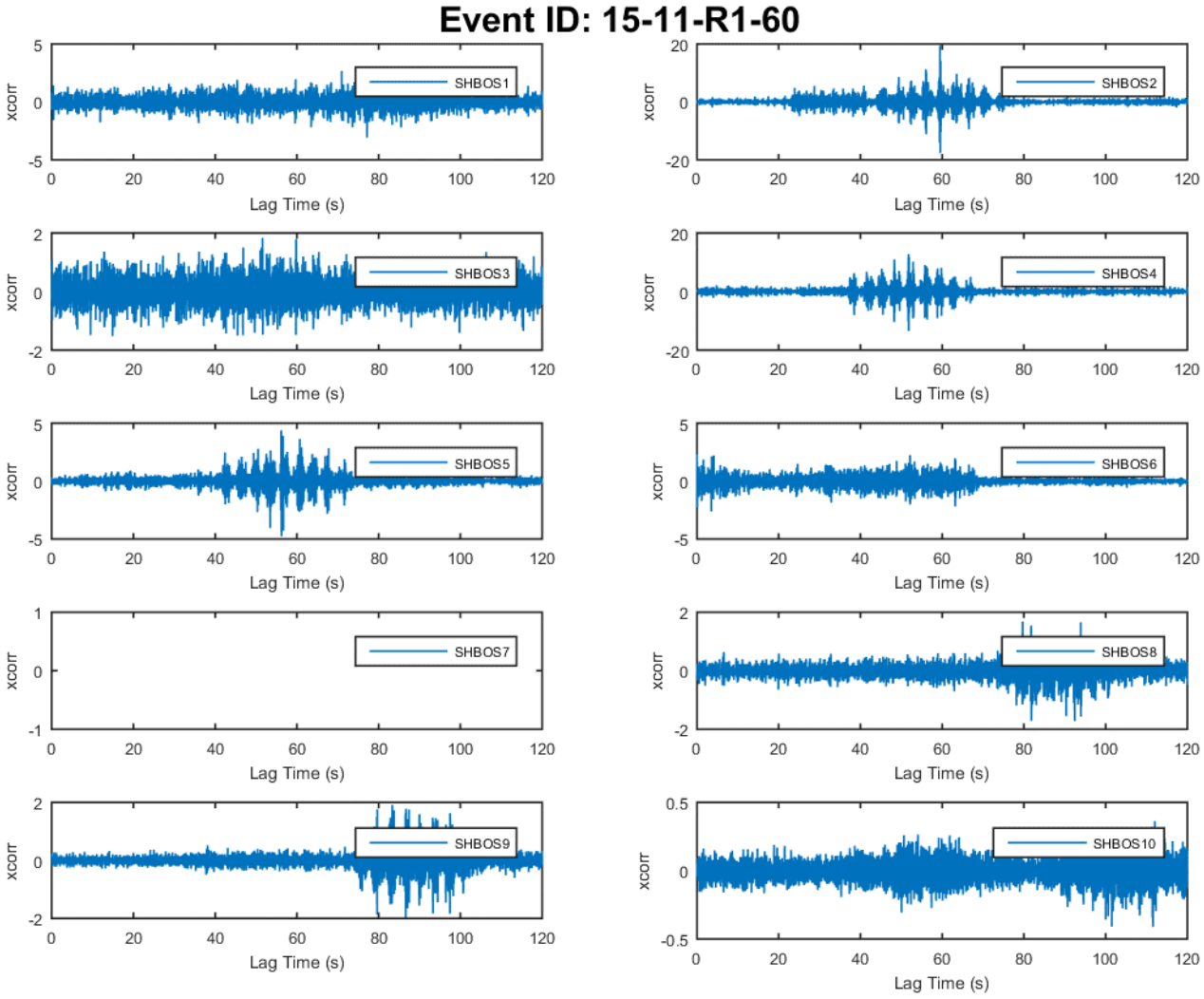


FIGURE 3.1557: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-60

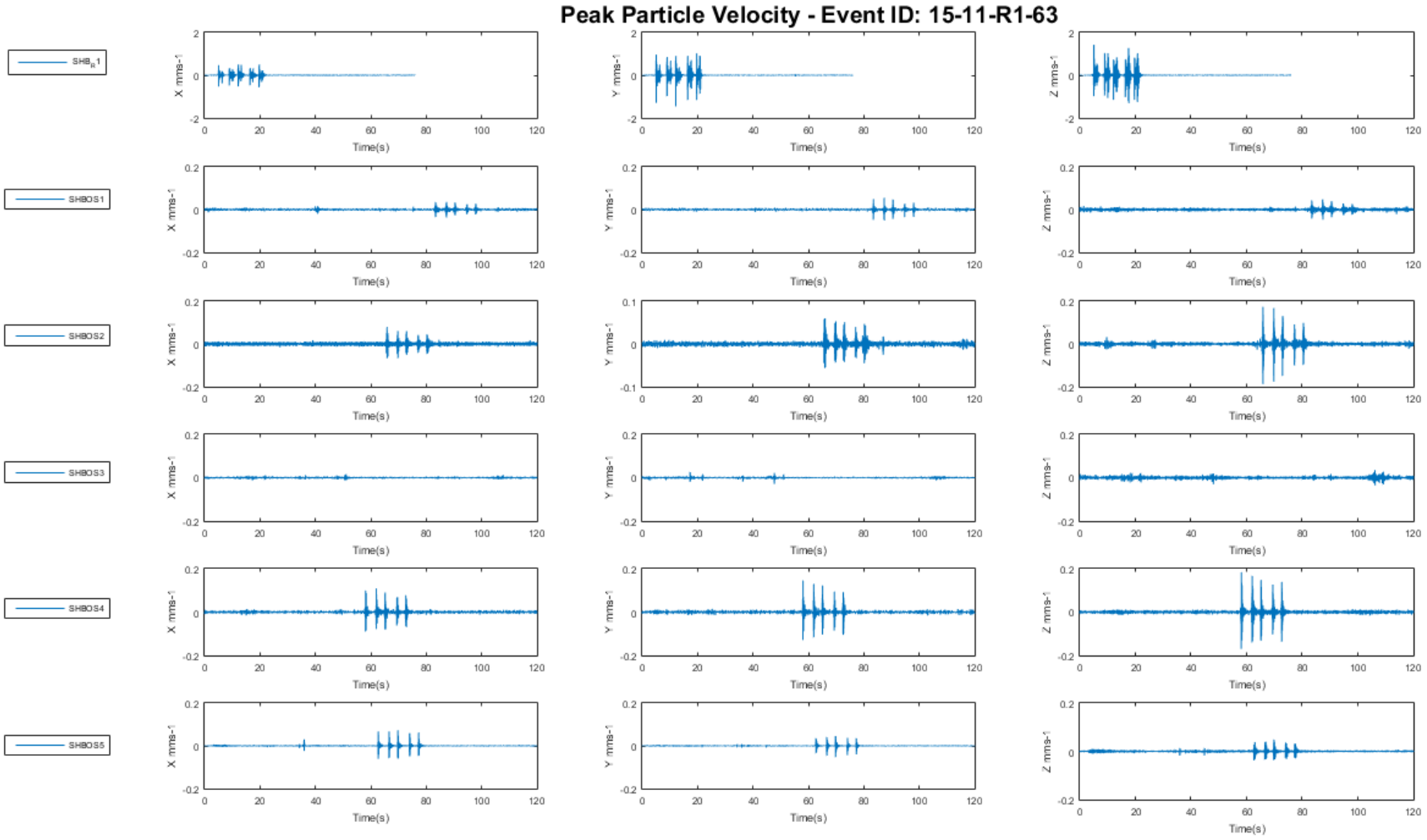


FIGURE 3.1558: SHB_OS 1 - 5 15-11-R1-63

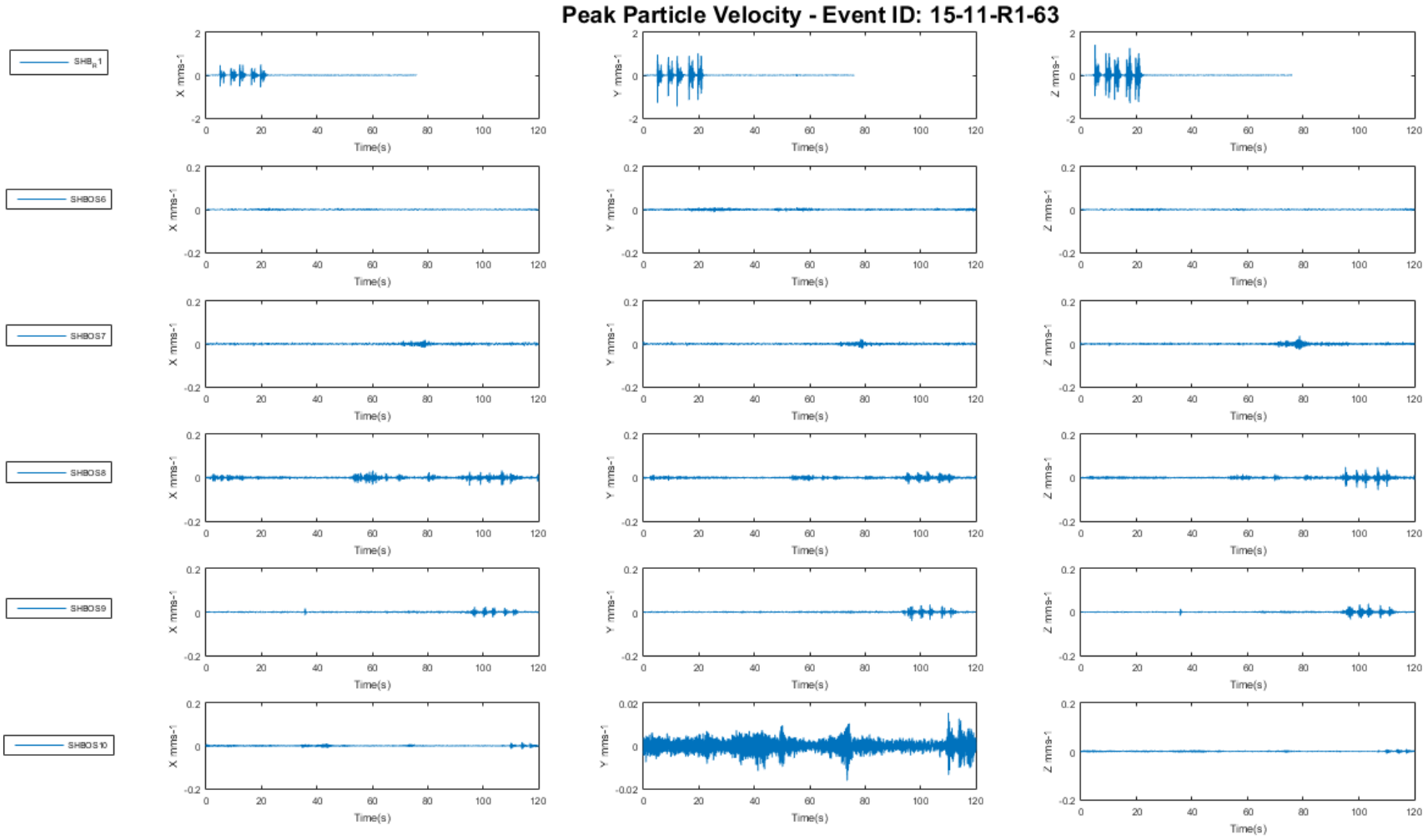


FIGURE 3.1559: SHB_OS 6 - 10 15-11-R1-63

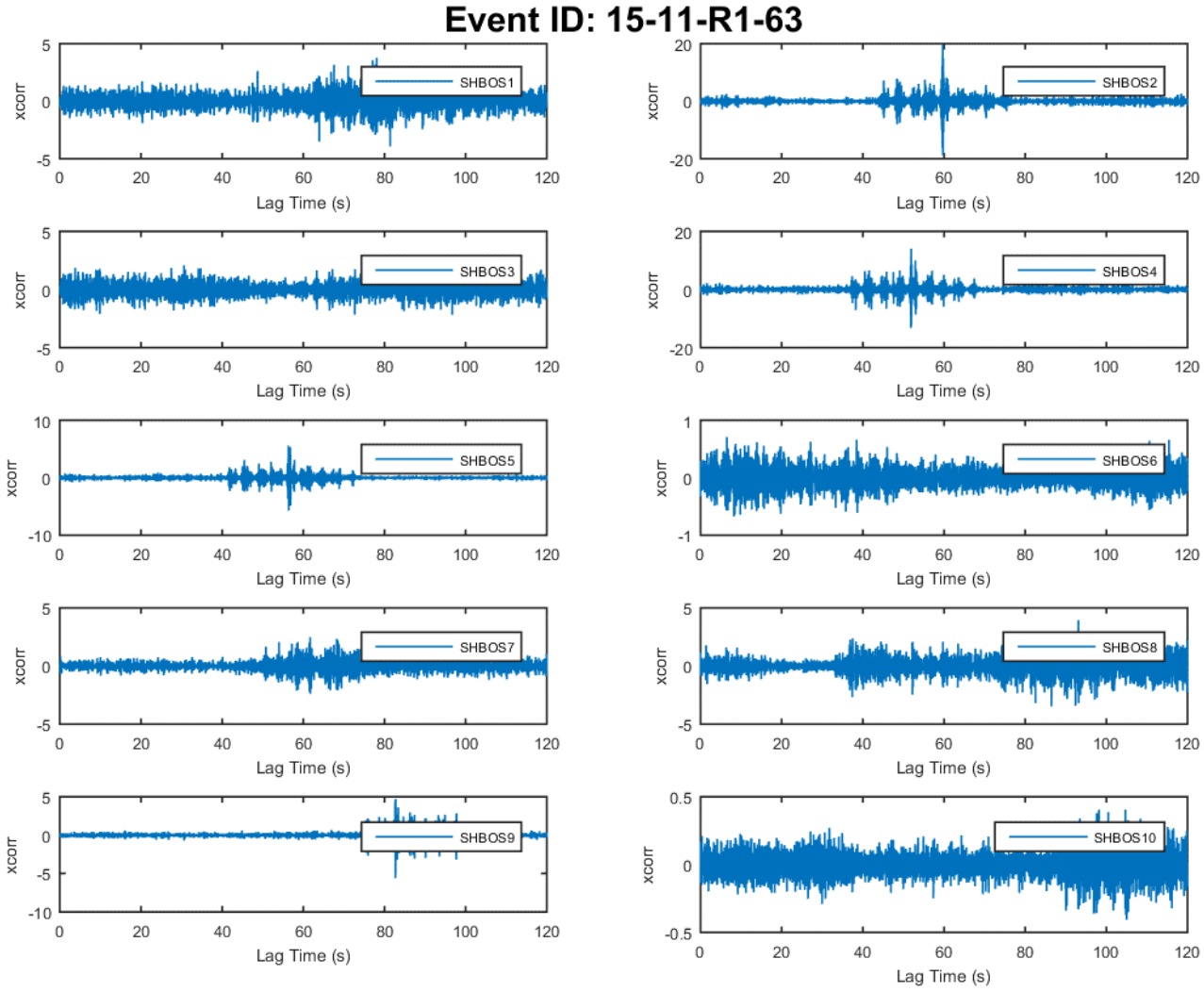


FIGURE 3.1560: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-63

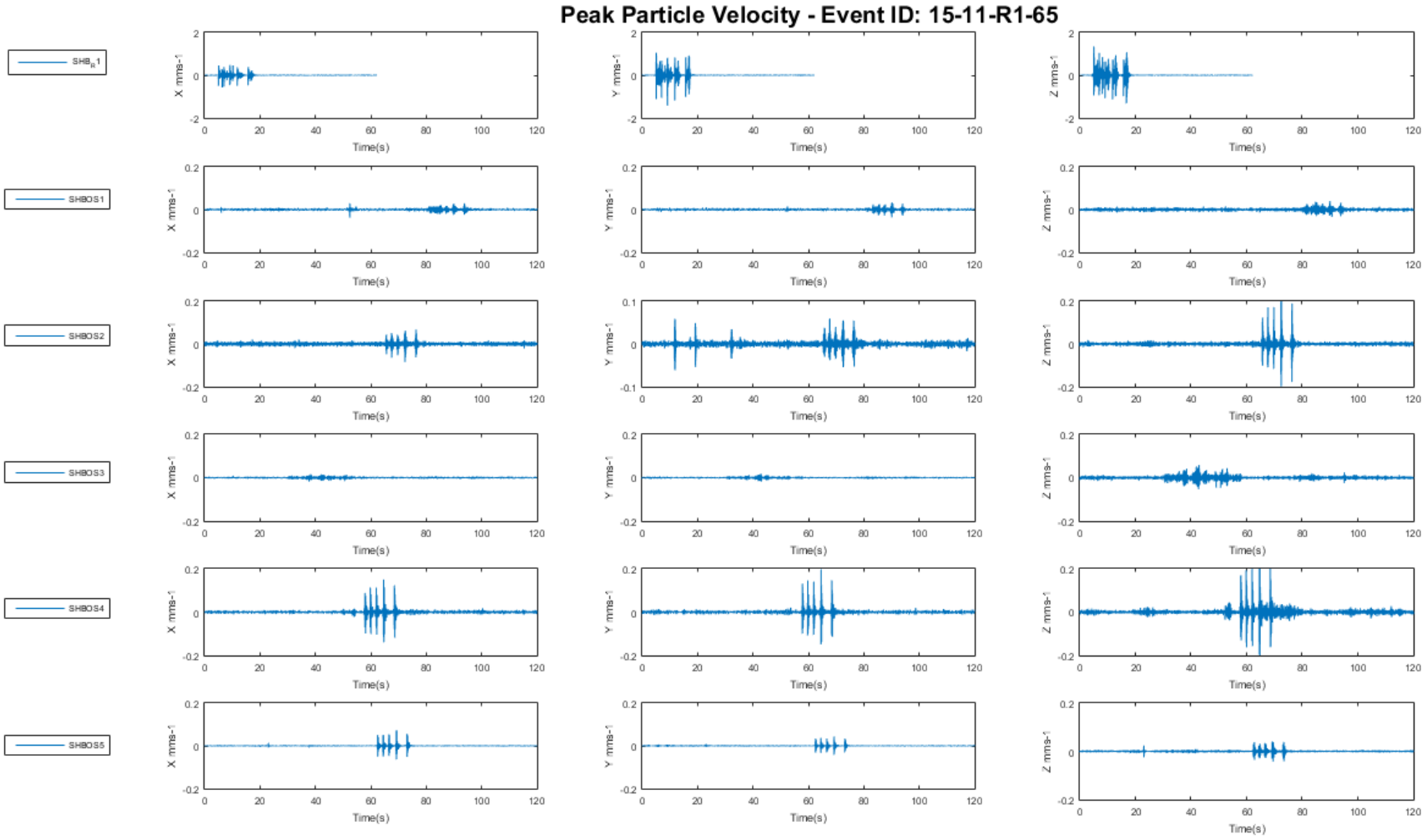


FIGURE 3.1561: SHB_OS 1 - 5 15-11-R1-65

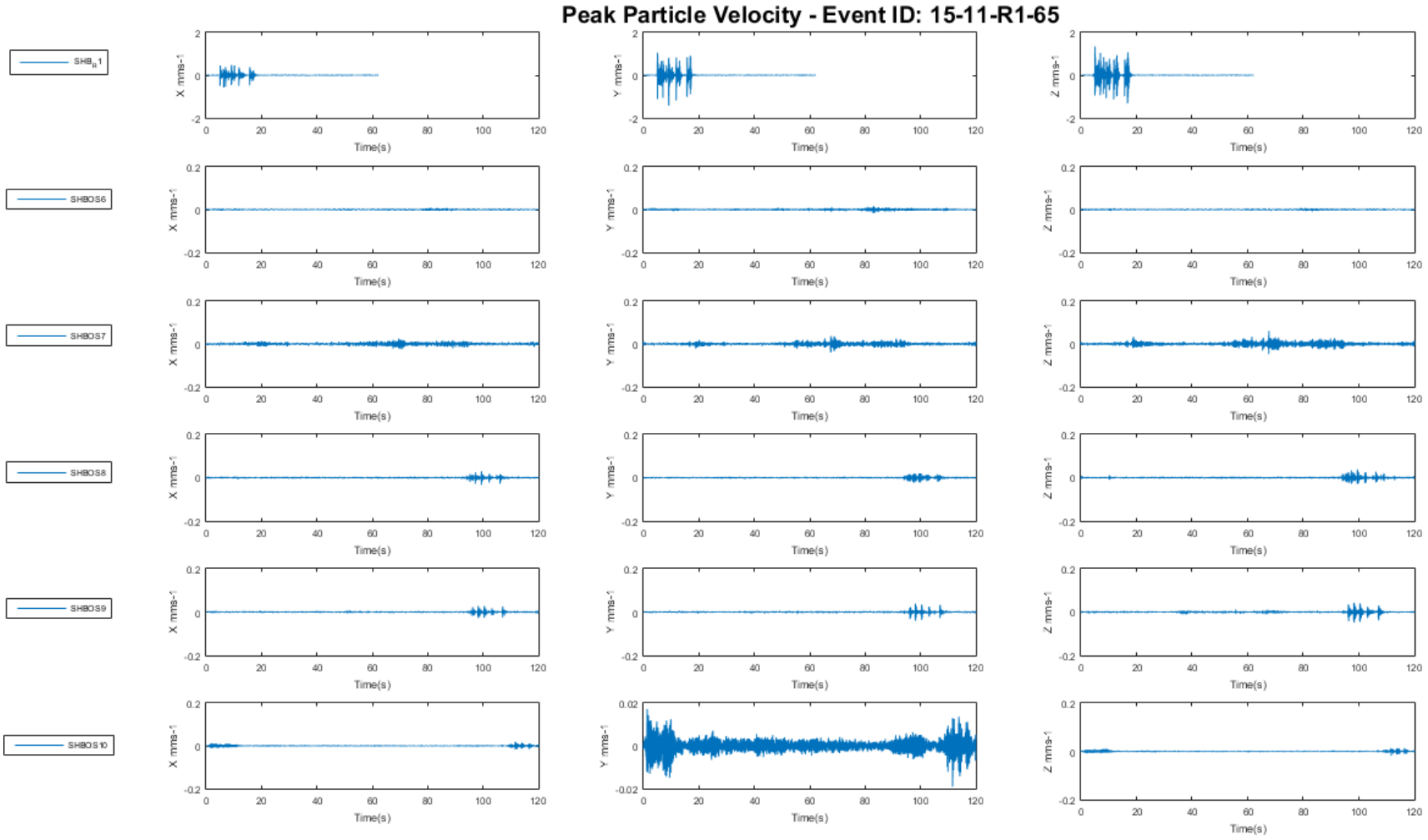


FIGURE 3.1562: SHB_OS 6 - 10 15-11-R1-65

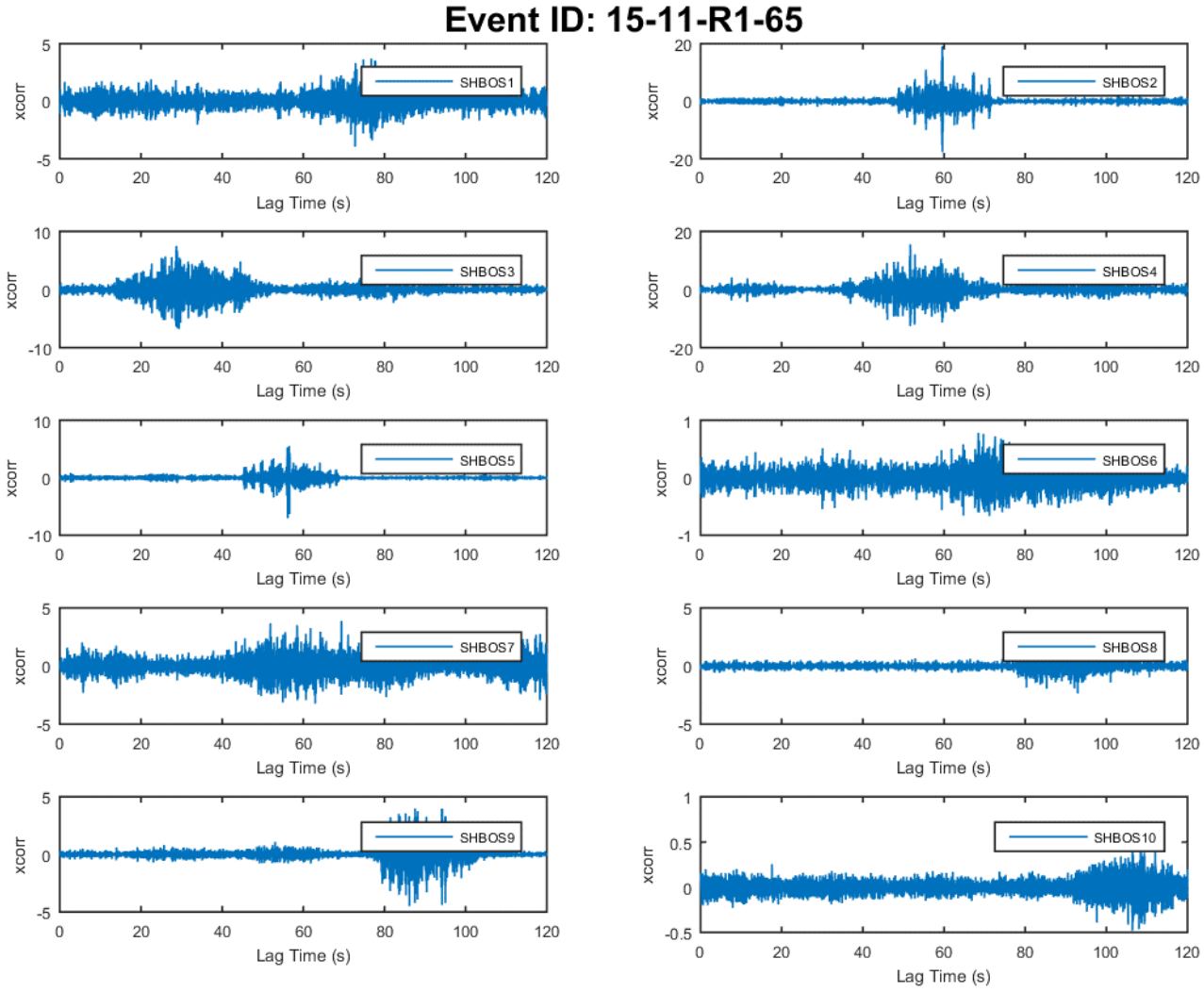


FIGURE 3.1563: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-65

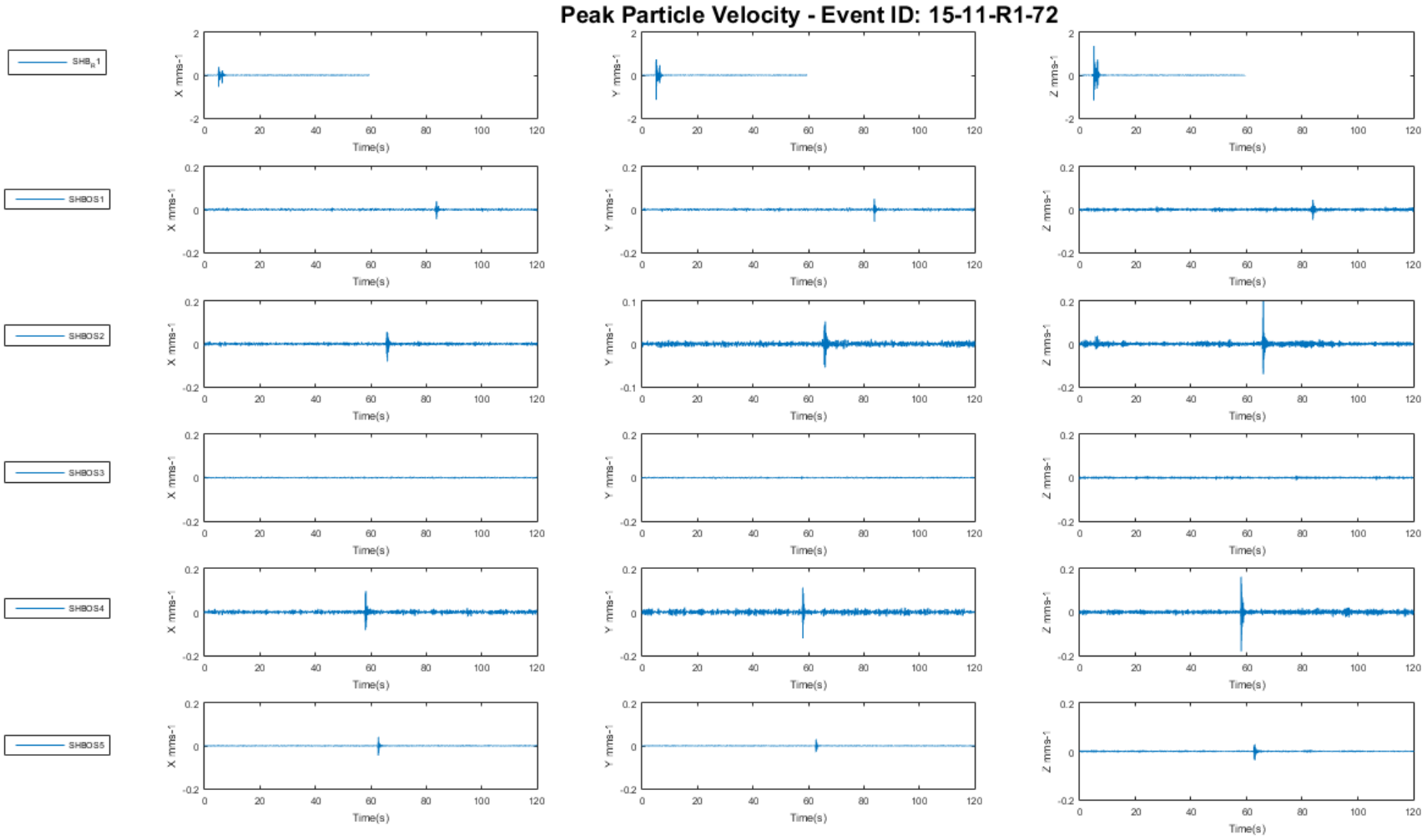


FIGURE 3.1564: SHB_OS 1 - 5 15-11-R1-72

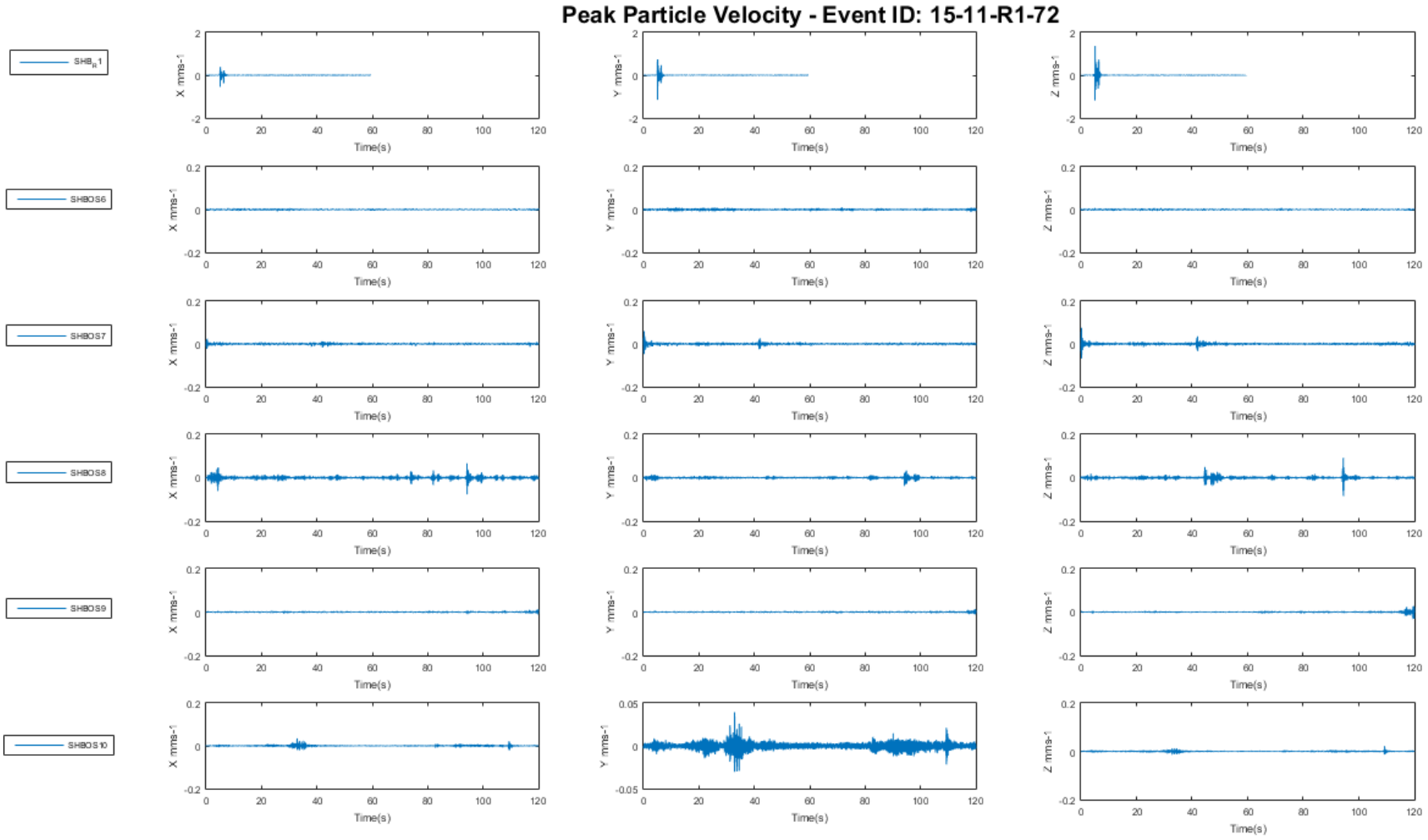


FIGURE 3.1565: SHB_OS 6 - 10 15-11-R1-72

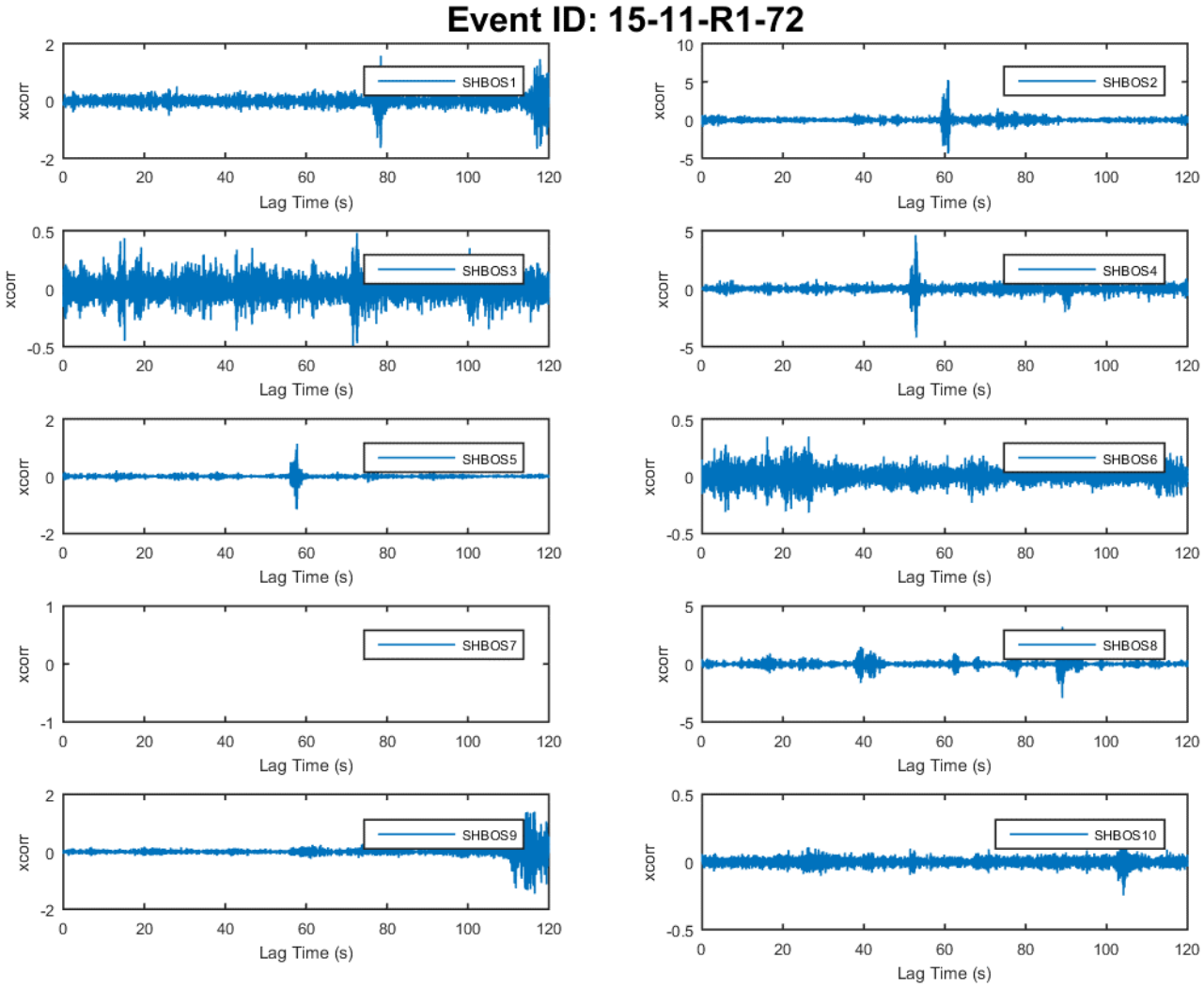


FIGURE 3.1566: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-72

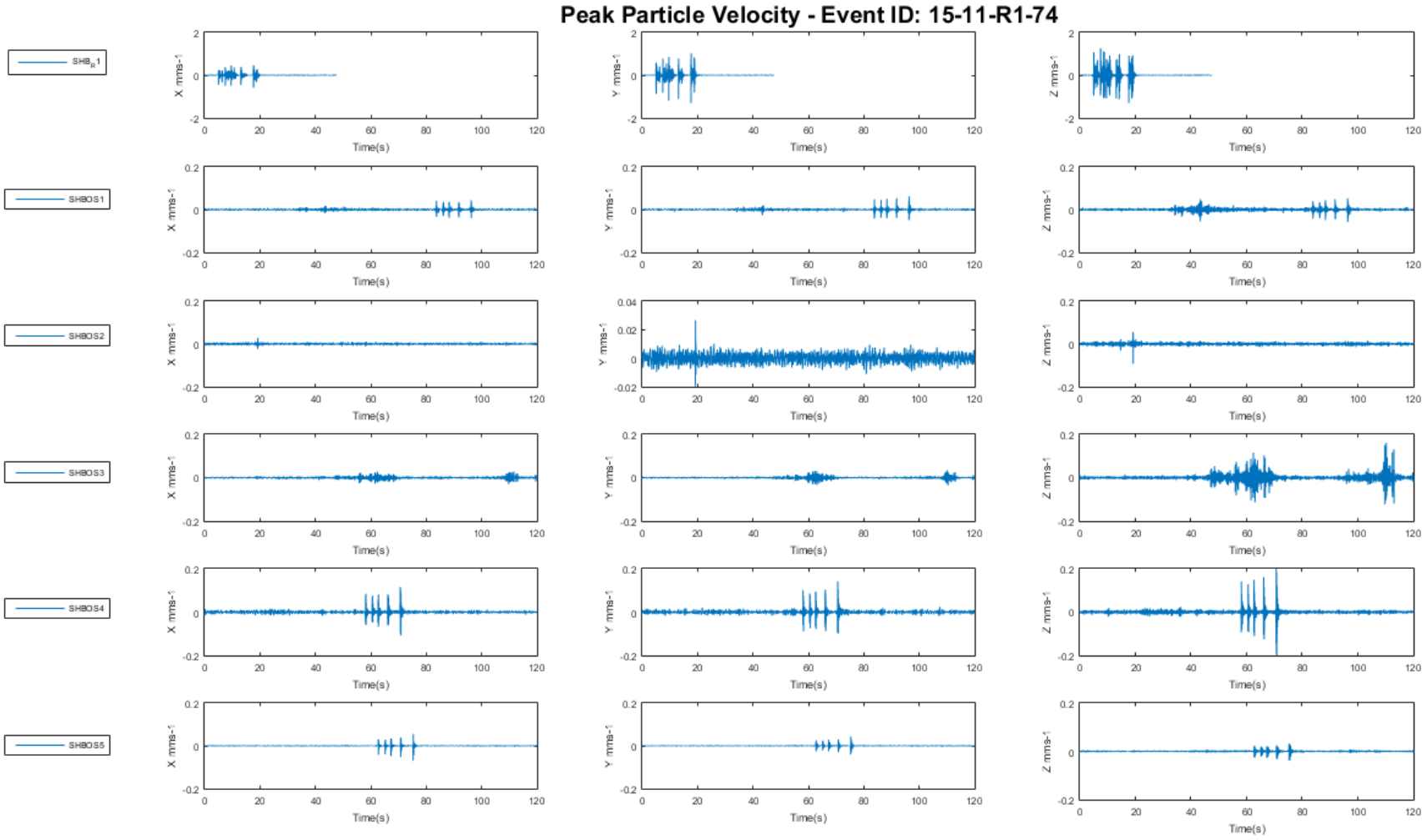


FIGURE 3.1567: SHB_OS 1 - 5 15-11-R1-74

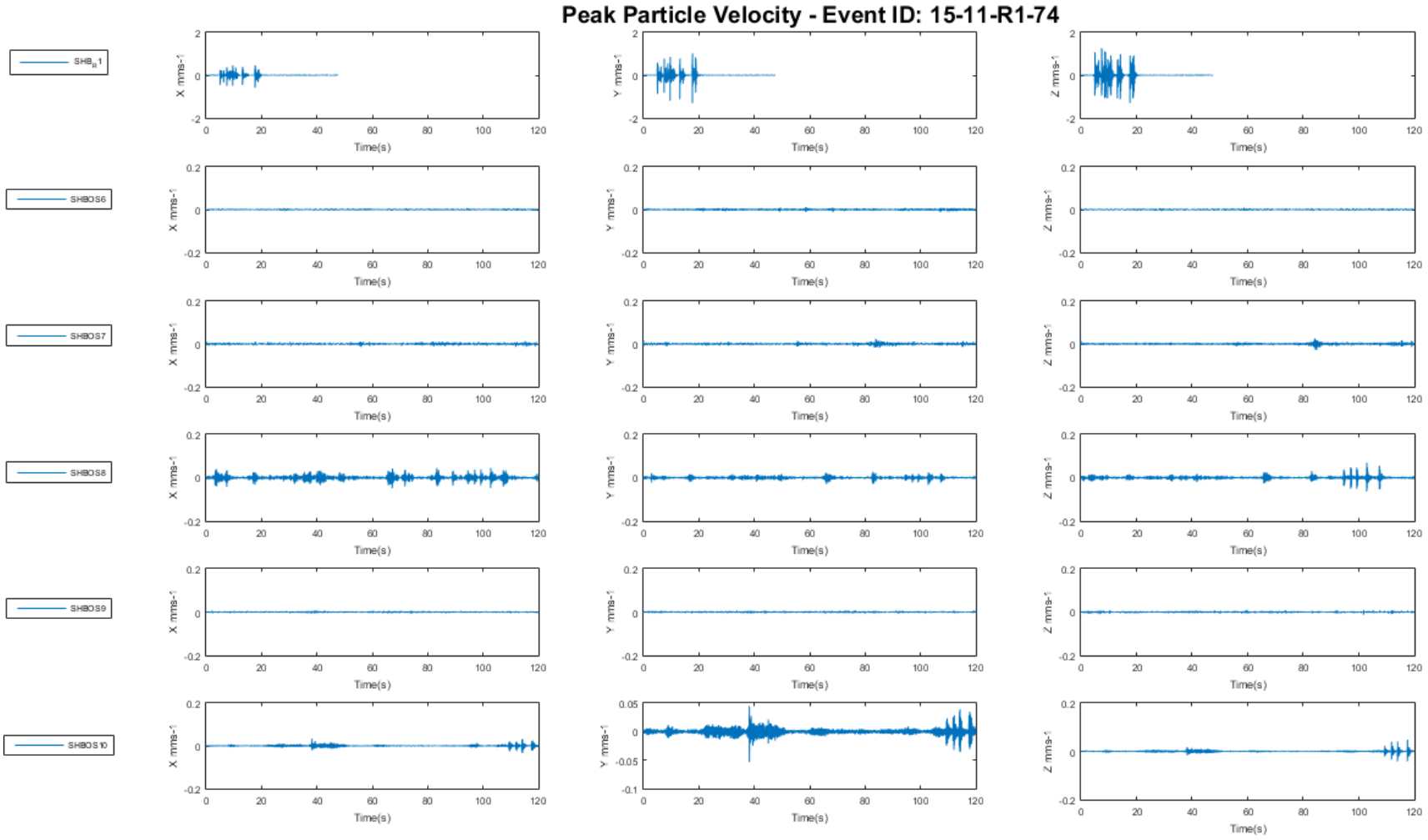


FIGURE 3.1568: SHB_OS 6 - 10 15-11-R1-74

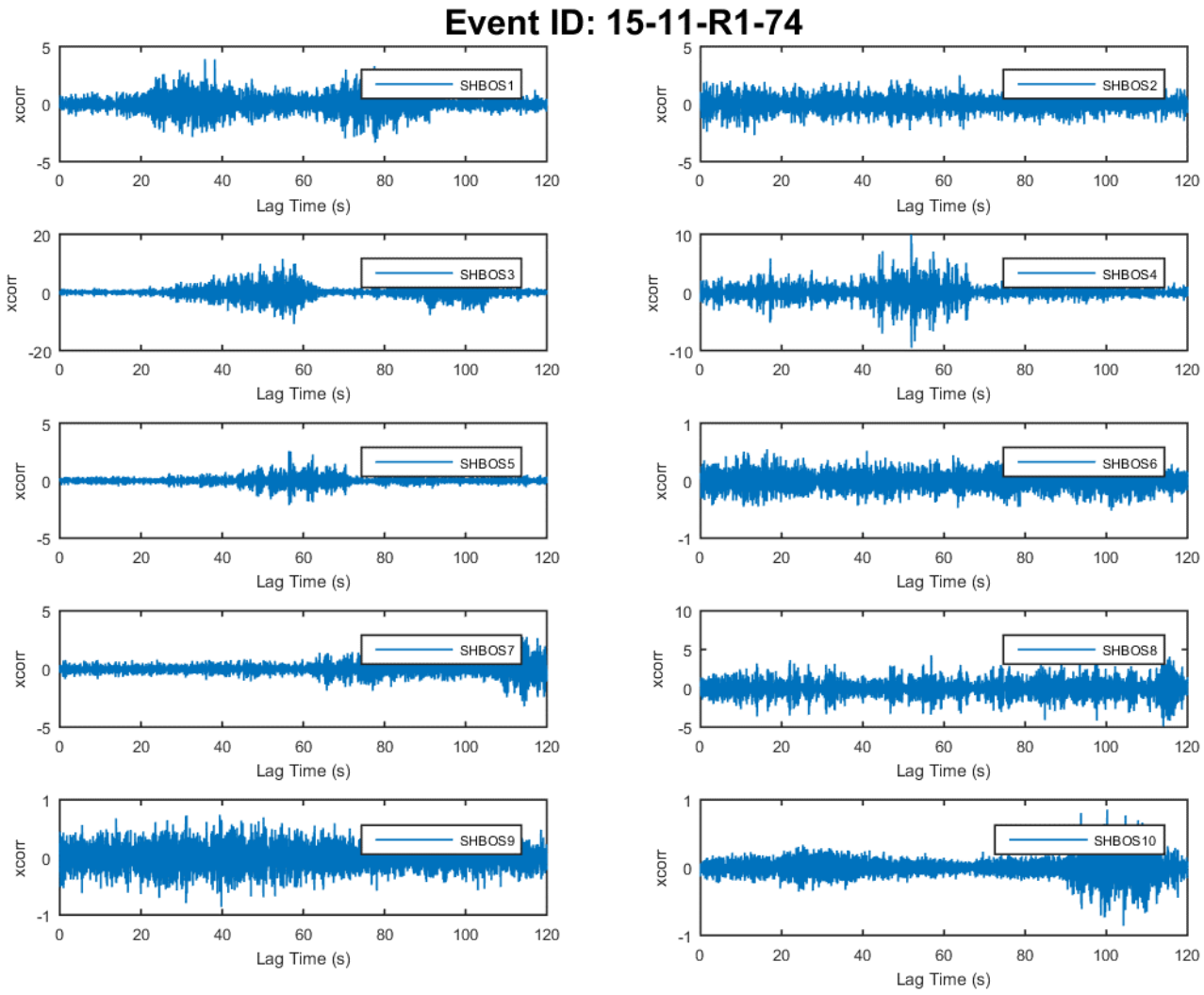


FIGURE 3.1569: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-74

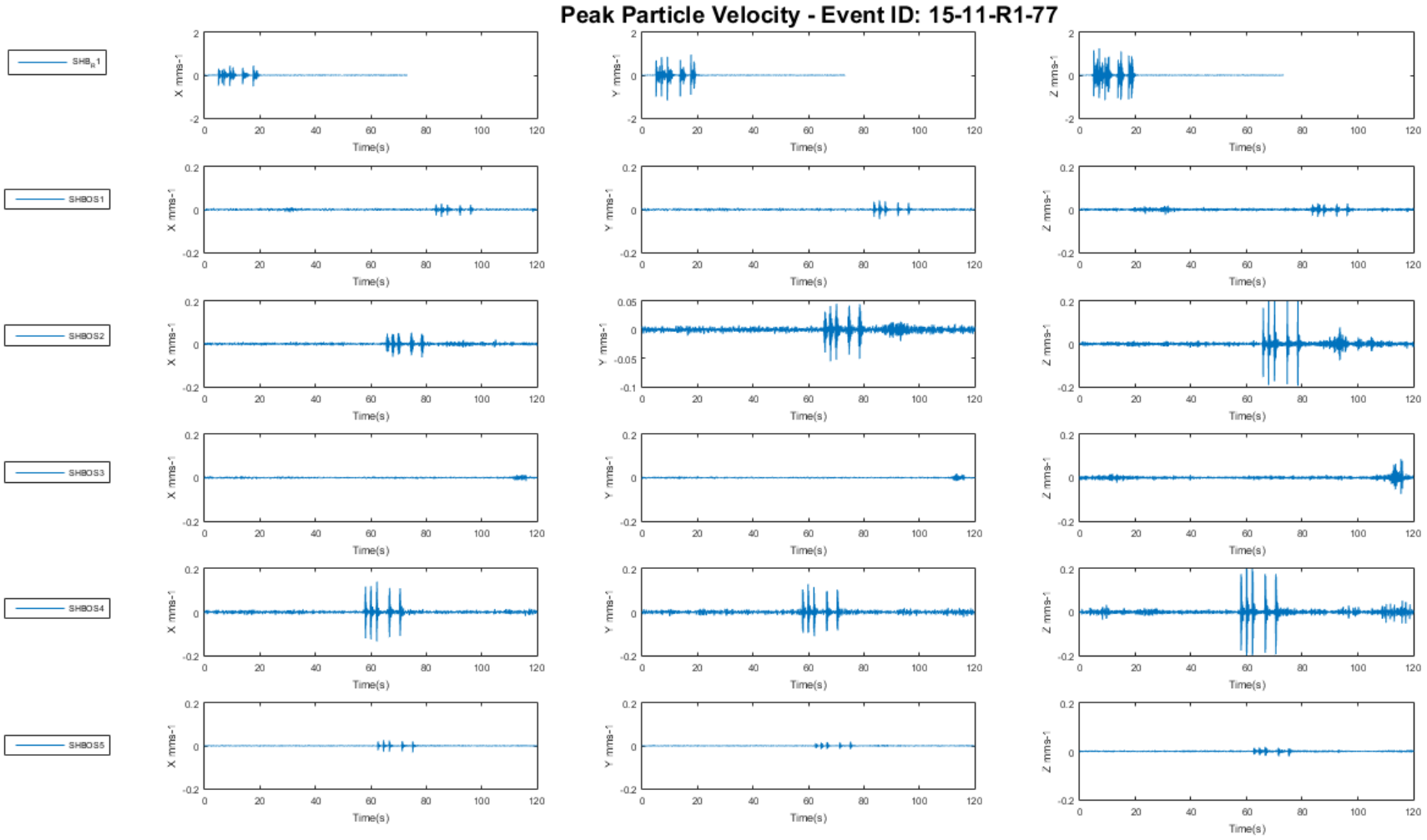


FIGURE 3.1570: SHB_OS 1 - 5 15-11-R1-77

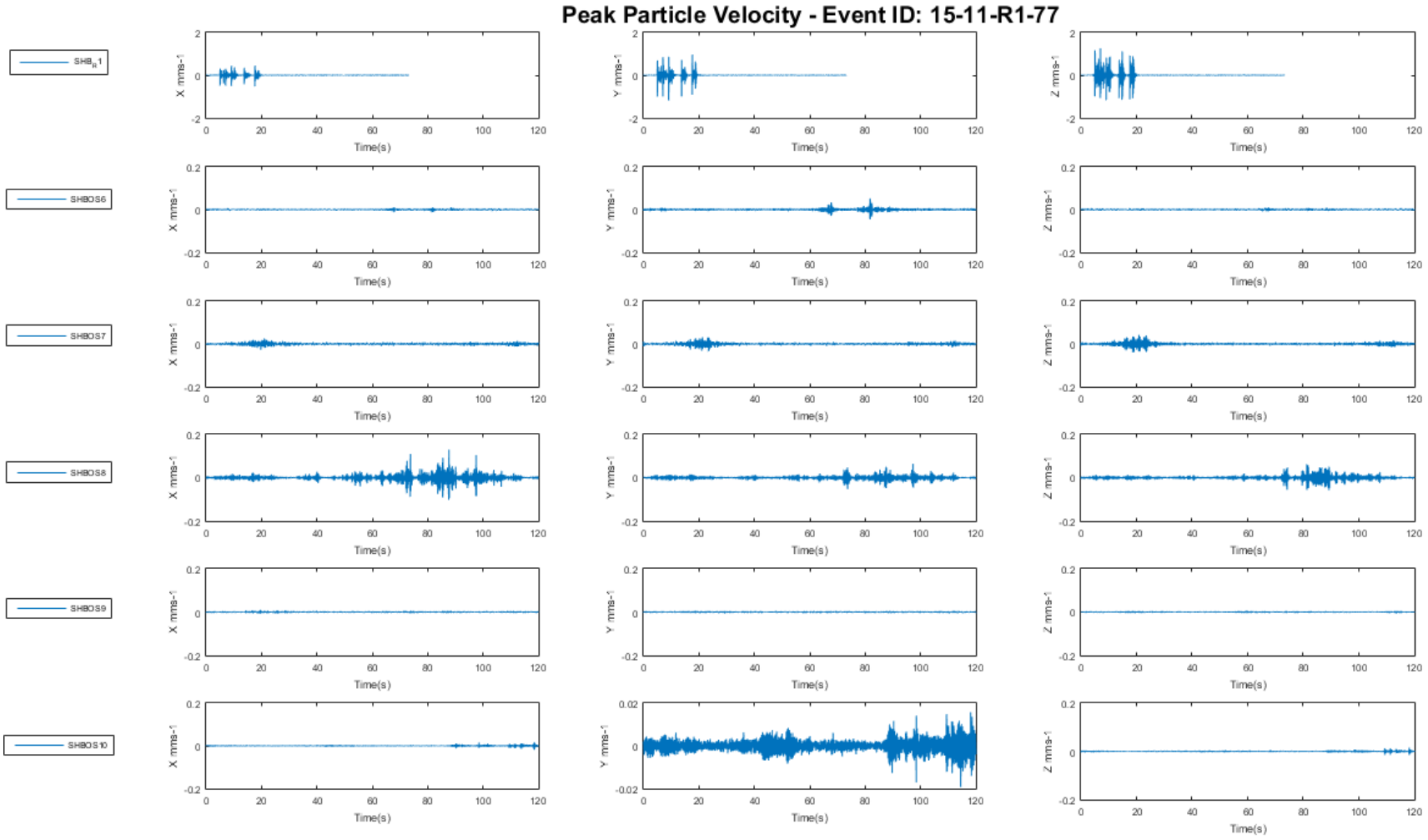


FIGURE 3.1571: SHB_OS 6 - 10 15-11-R1-77

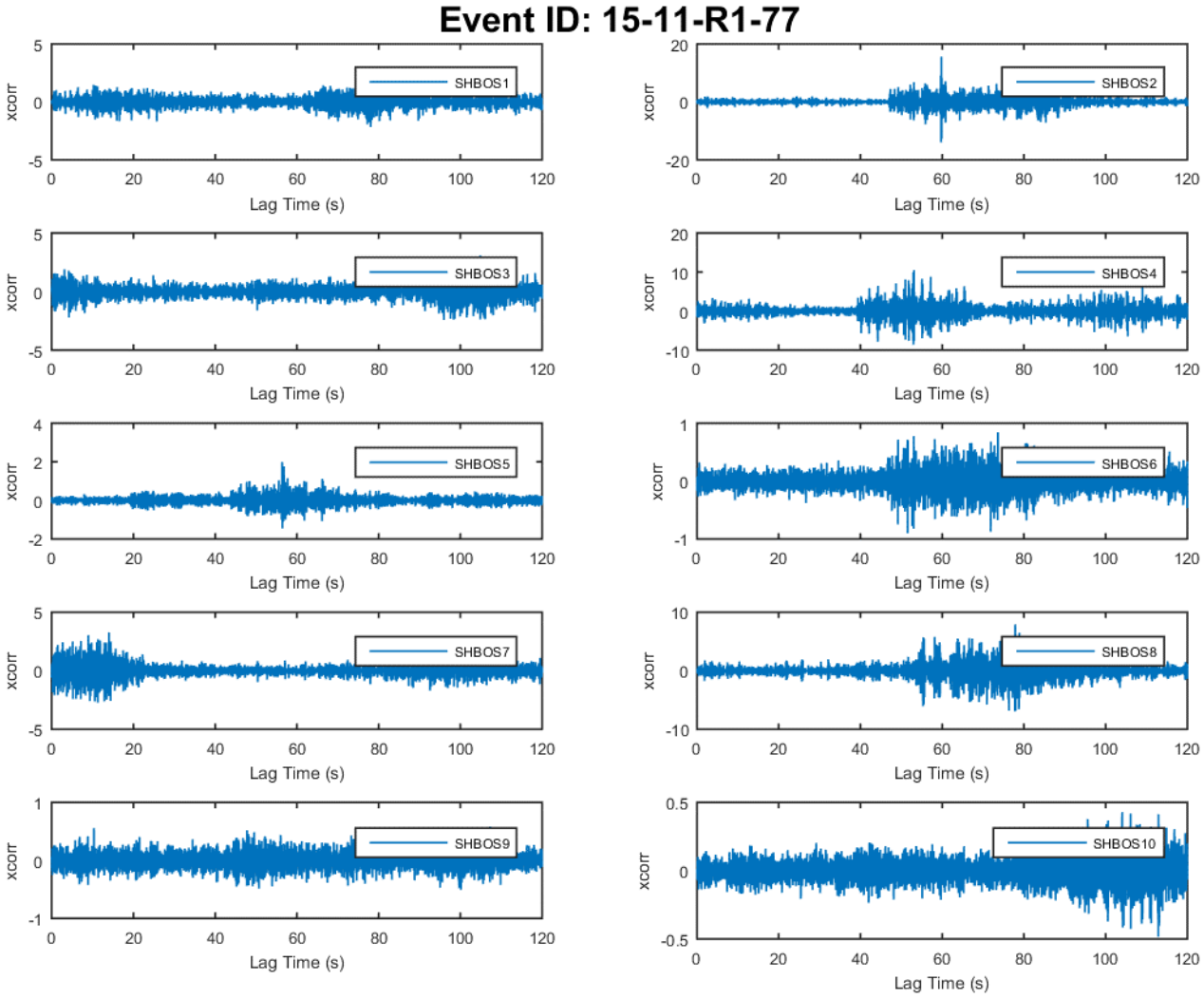


FIGURE 3.1572: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-77

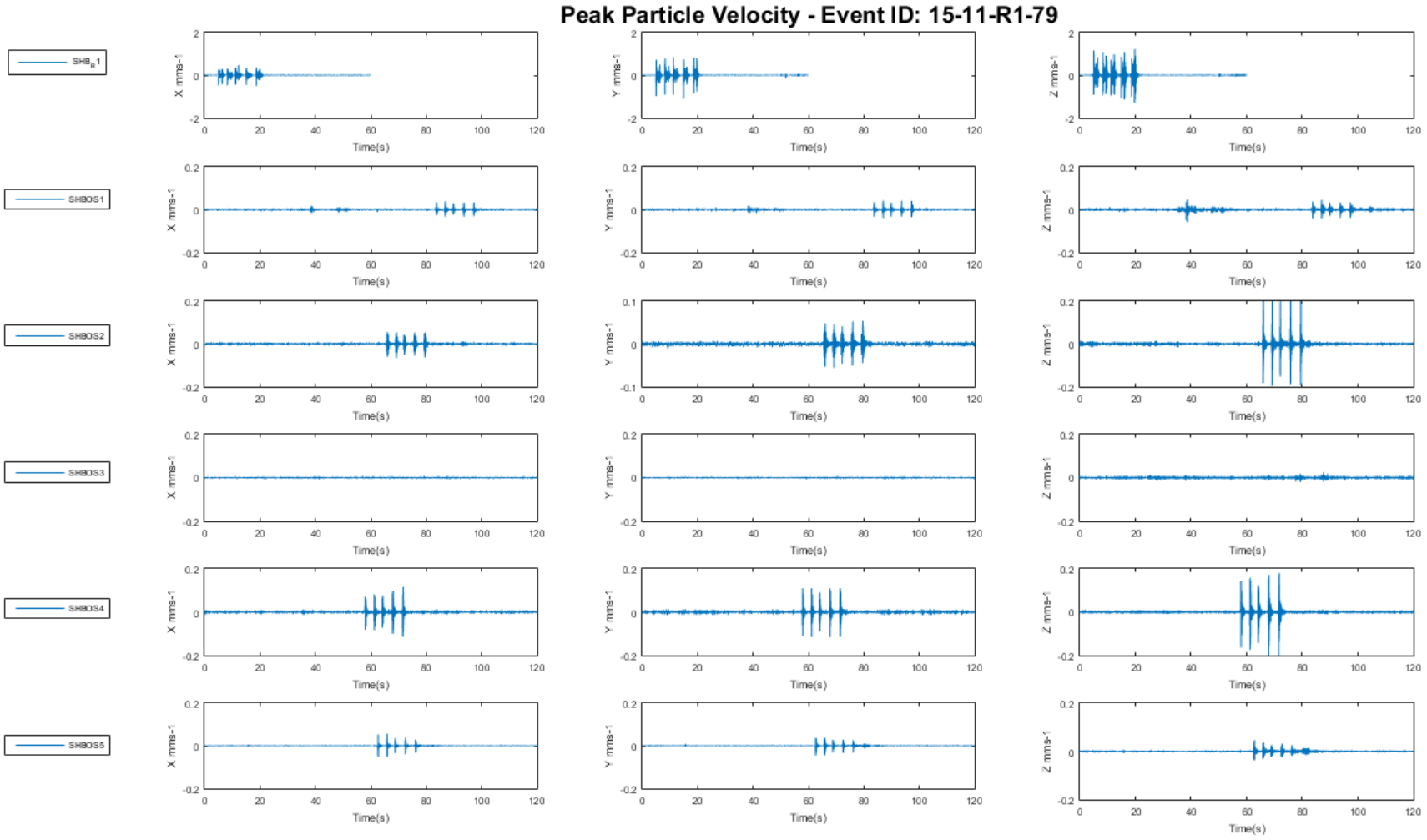


FIGURE 3.1573: SHB_OS 1 - 5 15-11-R1-79

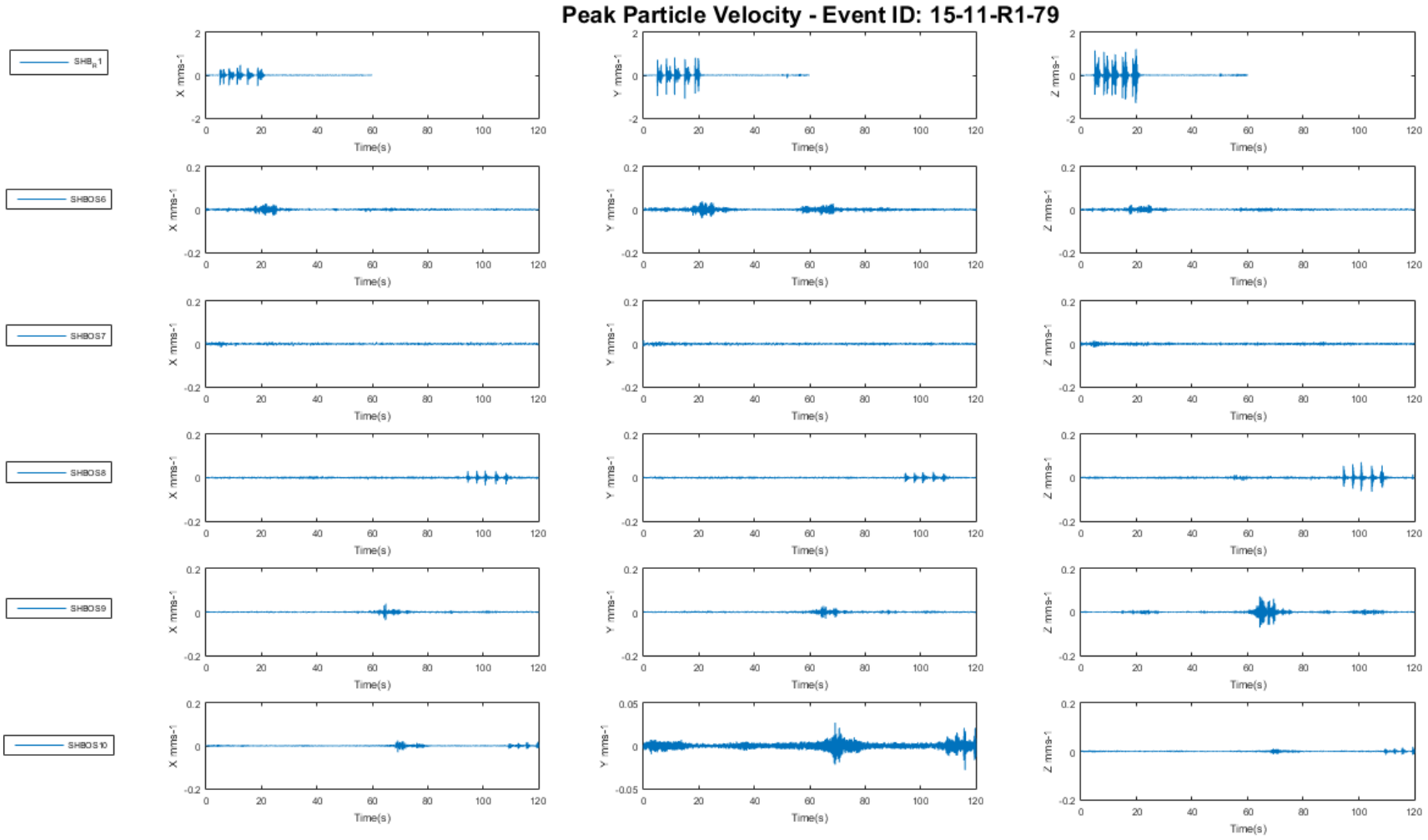


FIGURE 3.1574: SHB_OS 6 - 10 15-11-R1-79

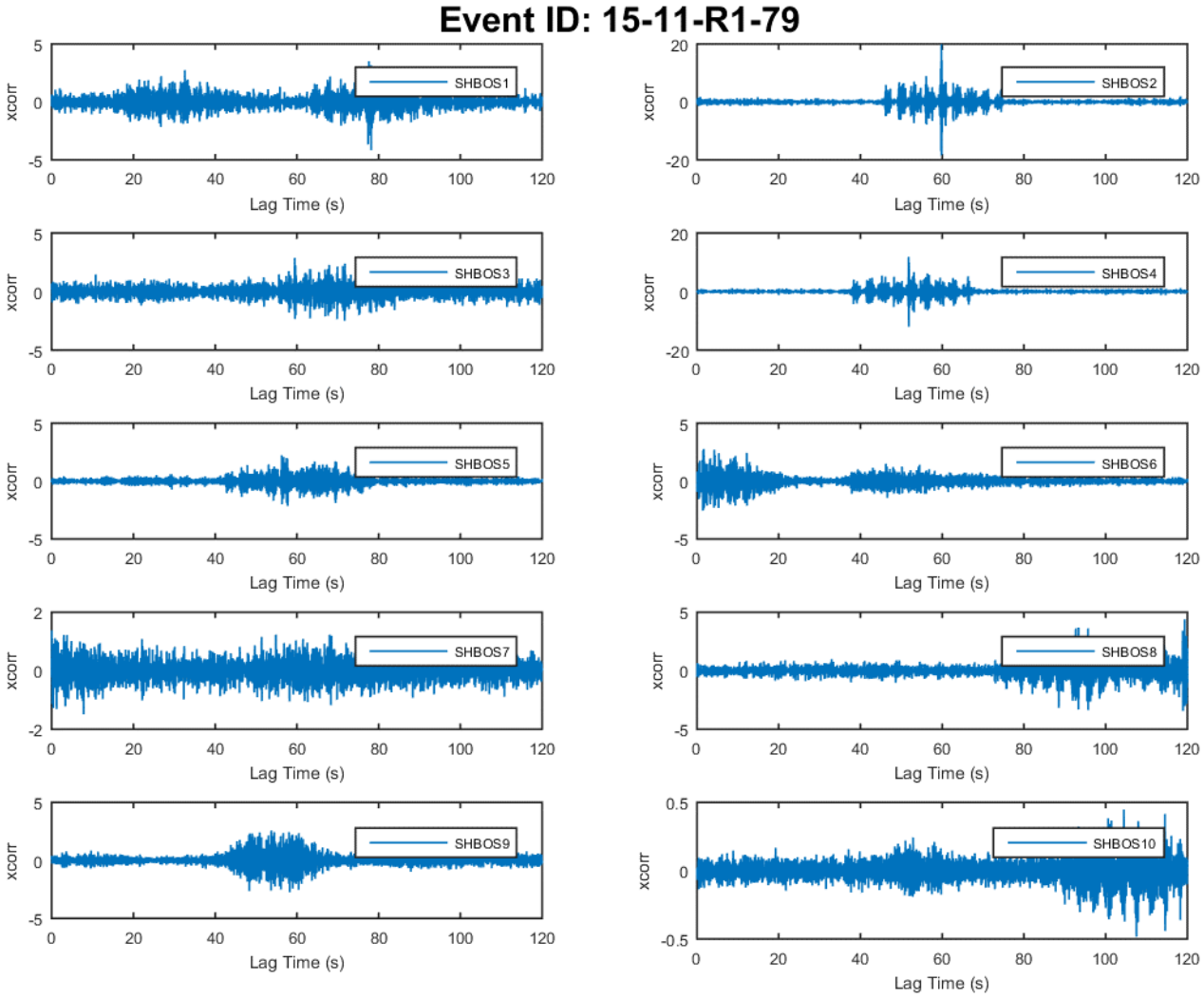


FIGURE 3.1575: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-79

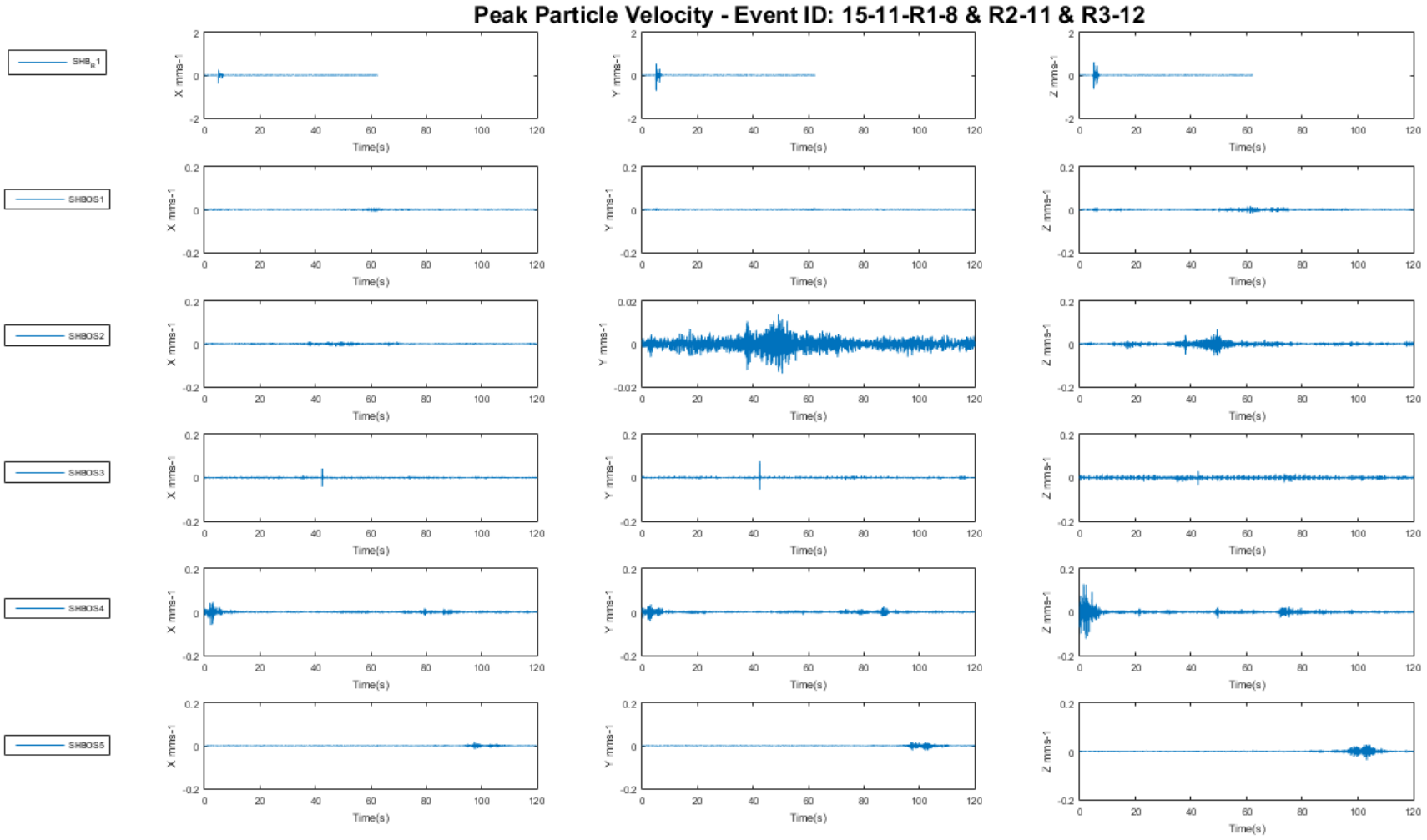


FIGURE 3.1576: SHB_OS 1 - 5 15-11-R1-8 & R2-11 & R3-12

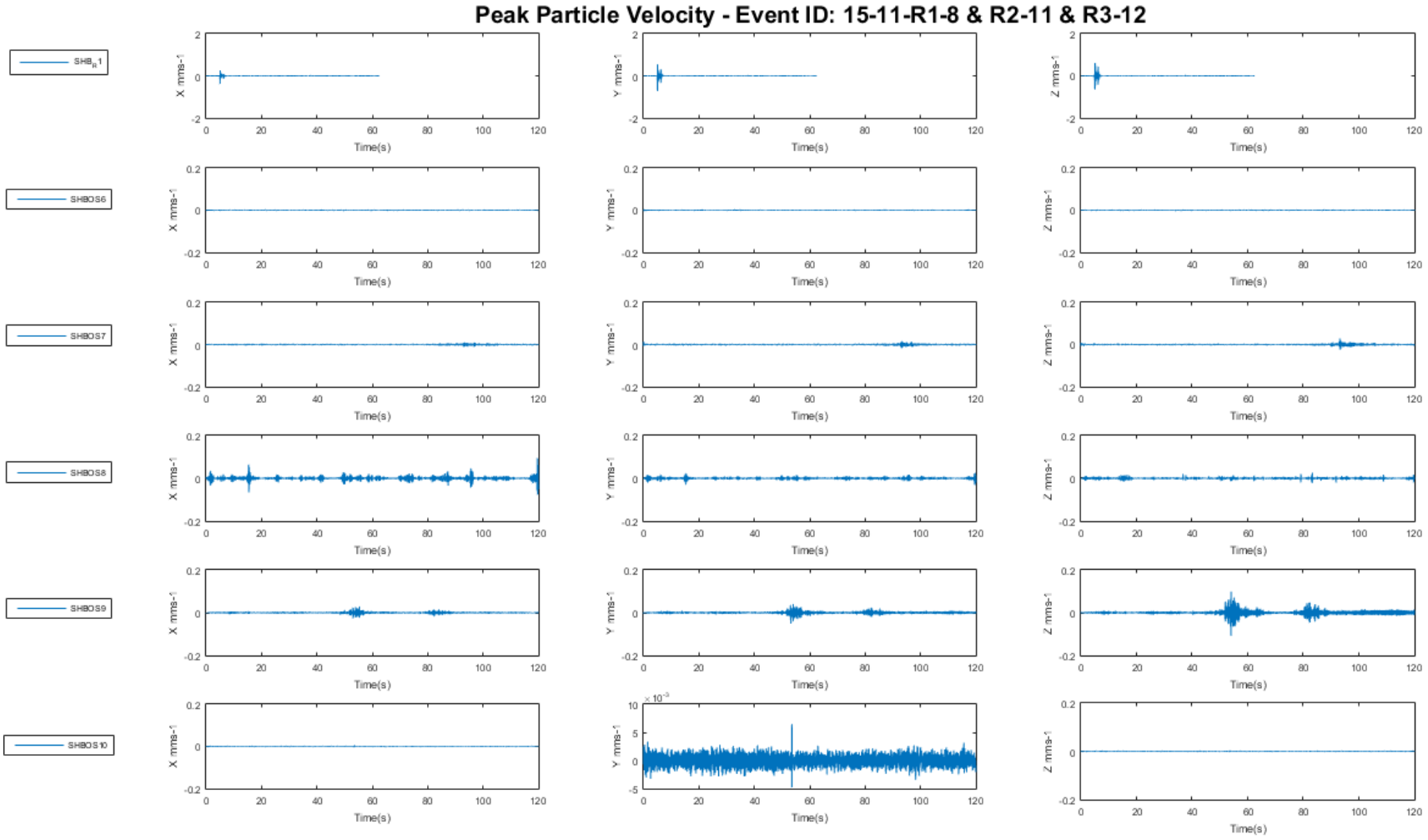


FIGURE 3.1577: SHB_OS 6 - 10 15-11-R1-8 & R2-11 & R3-12

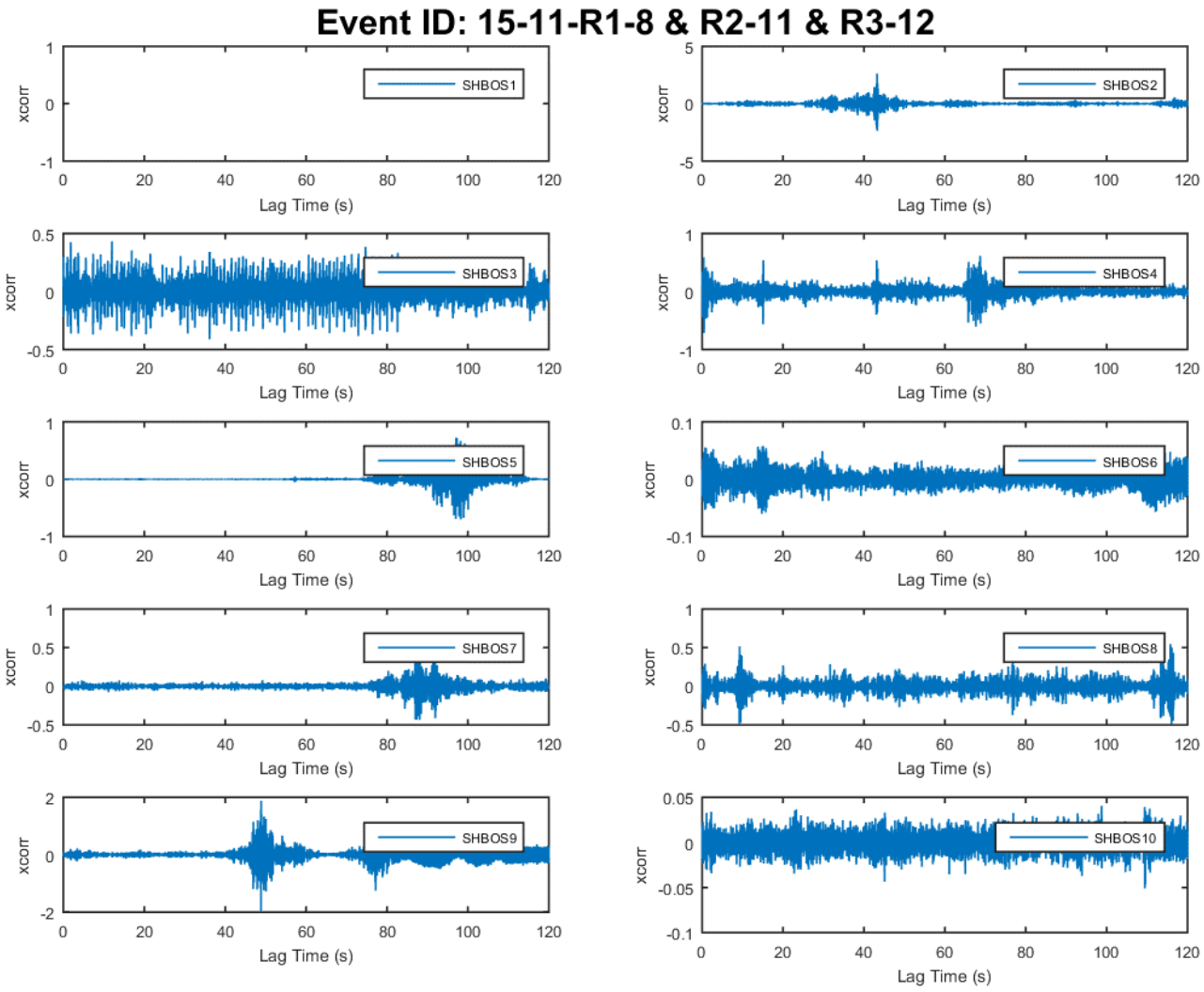


FIGURE 3.1578: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-8 & R2-11 & R3-12

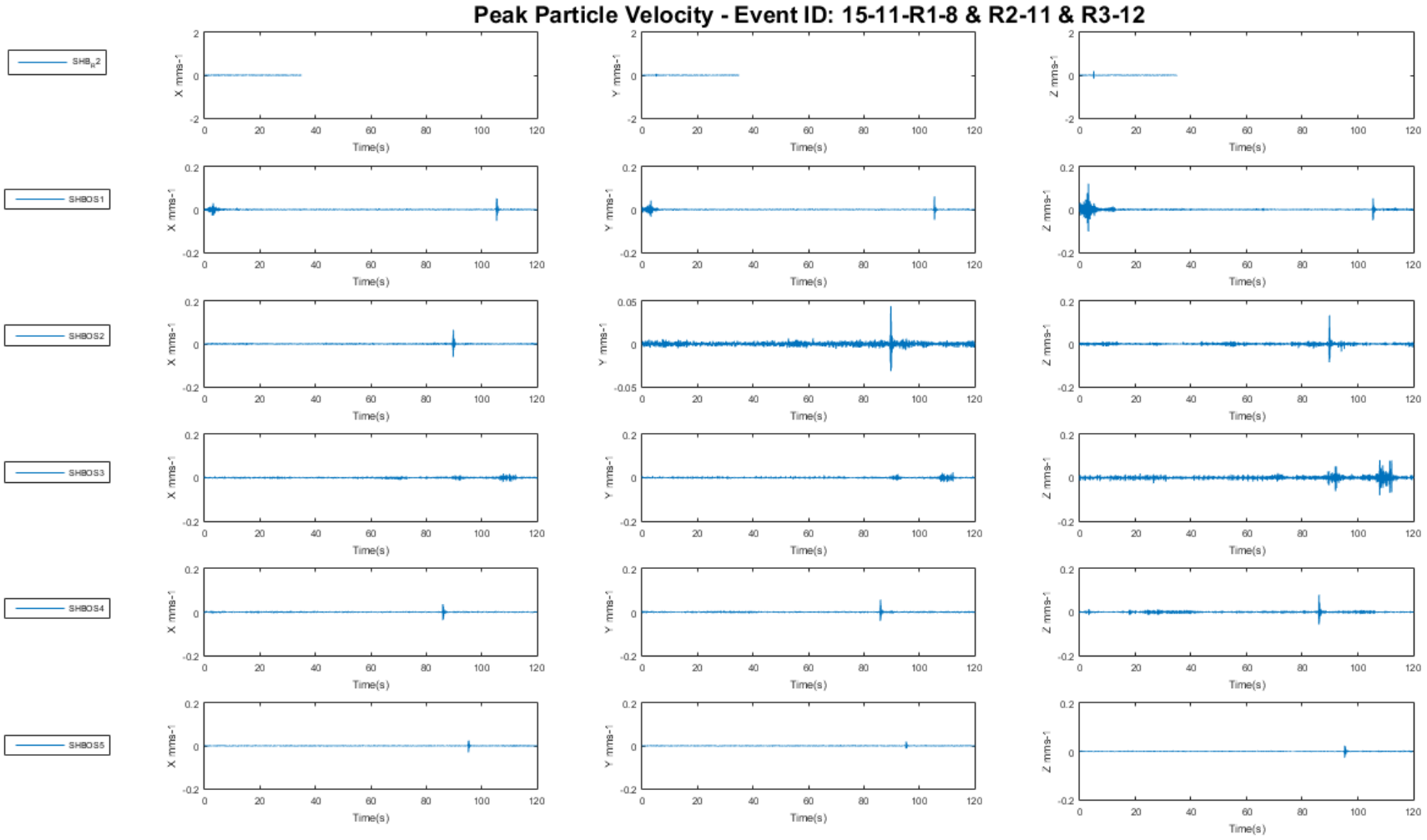


FIGURE 3.1579: SHB_OS 1 - 5 15-11-R1-8 & R2-11 & R3-12

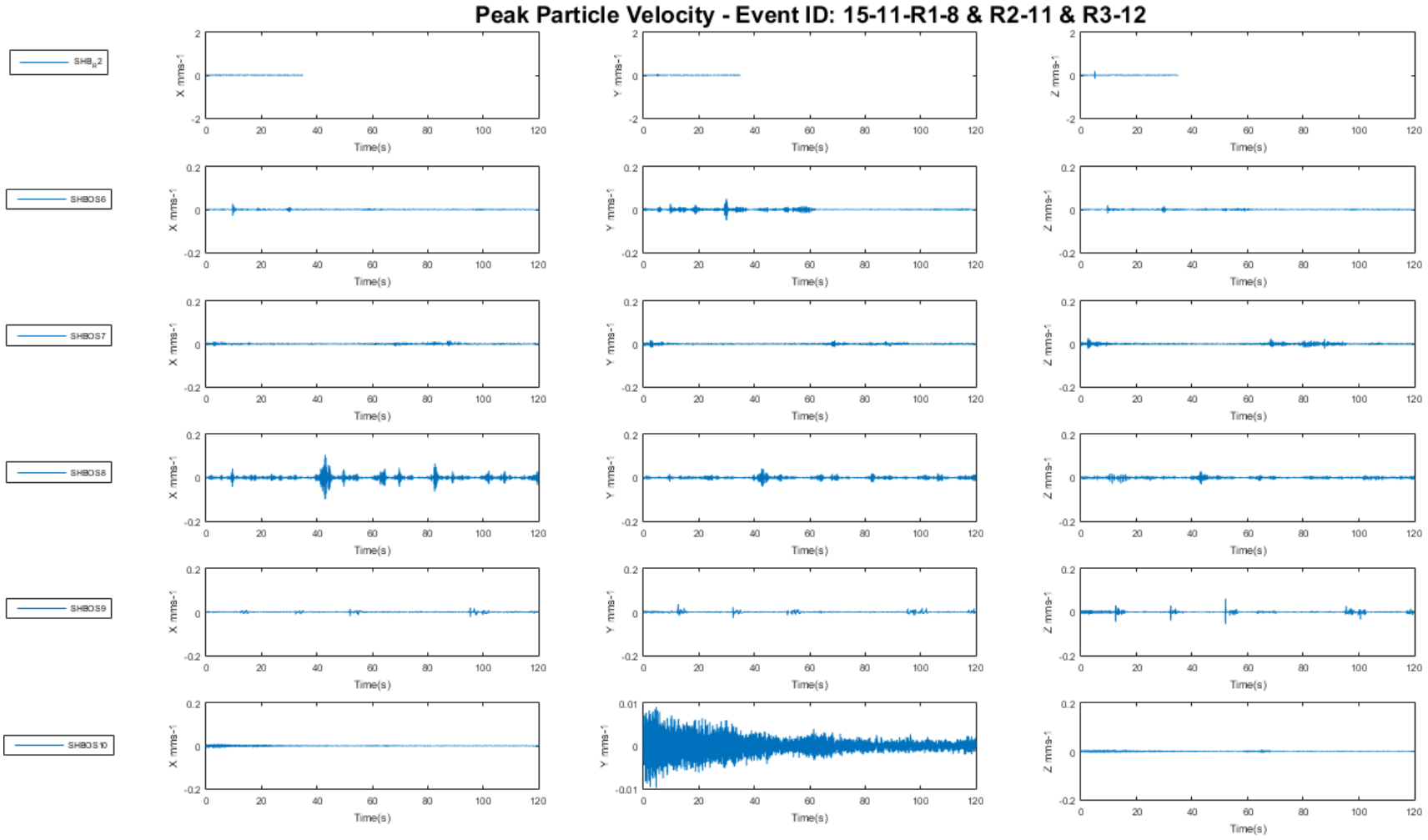


FIGURE 3.1580: SHB_OS 6 - 10 15-11-R1-8 & R2-11 & R3-12

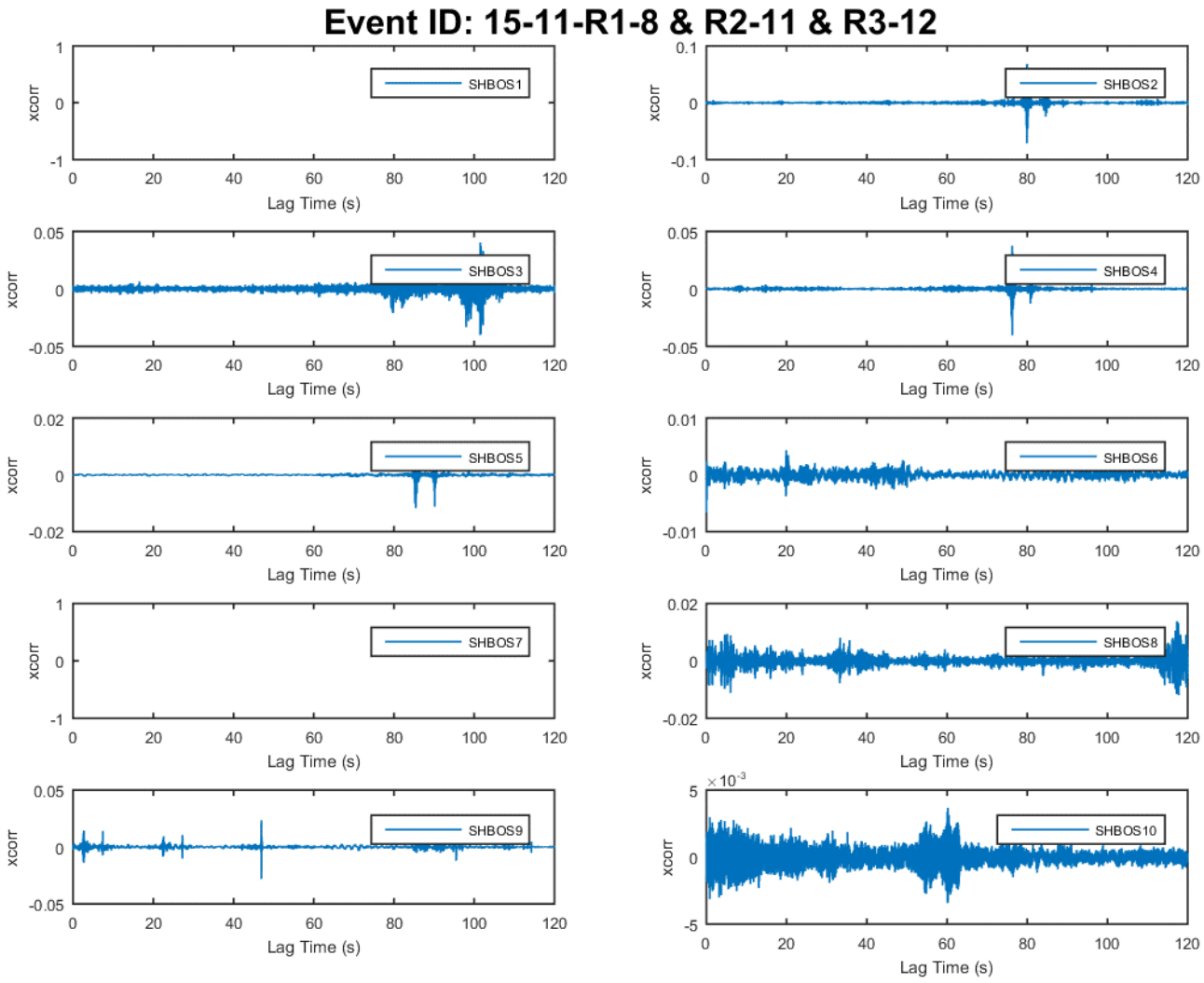


FIGURE 3.1581: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-8 & R2-11 & R3-12

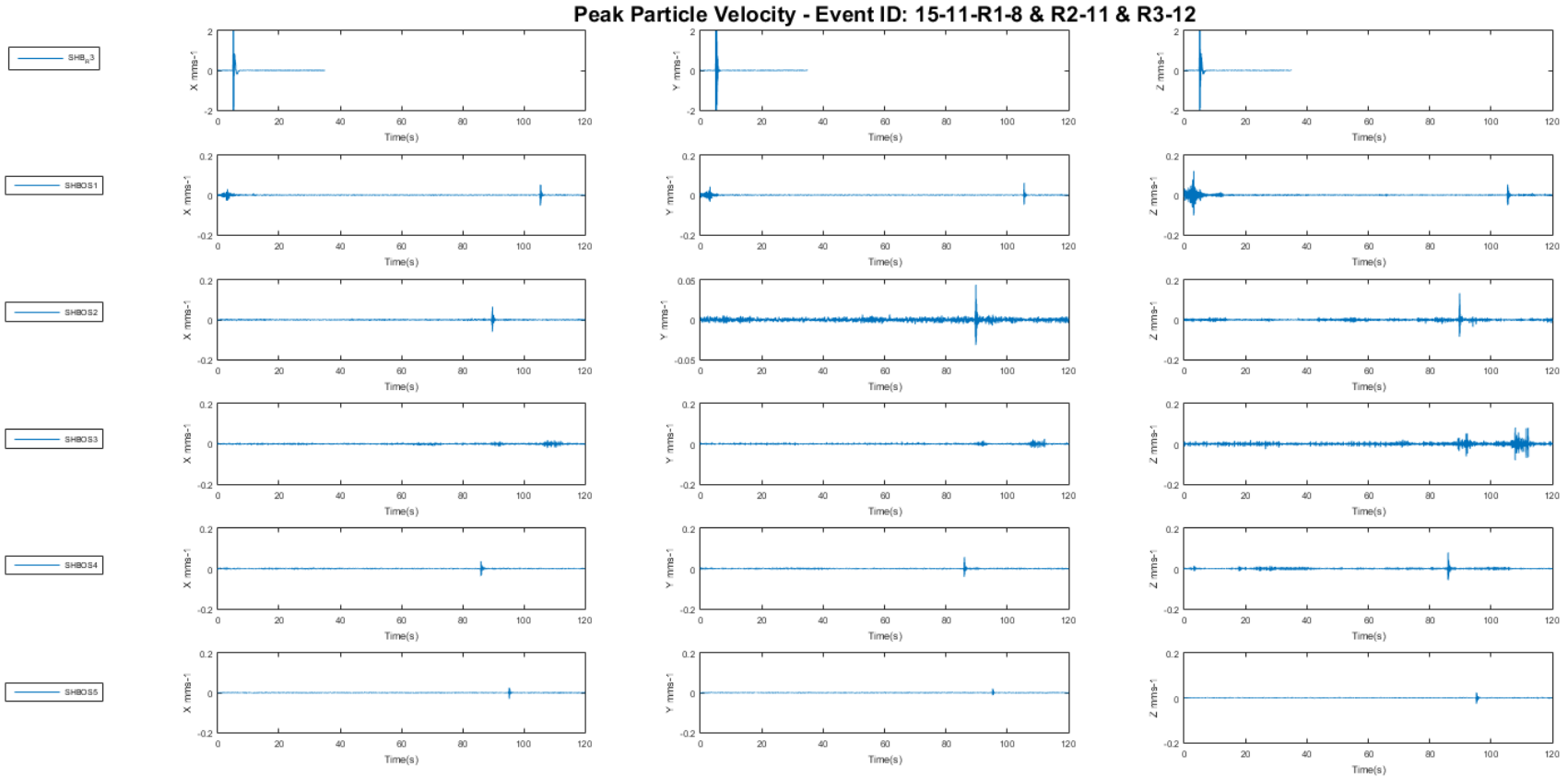


FIGURE 3.1582: SHB_OS 1 - 5 15-11-R1-8 & R2-11 & R3-12

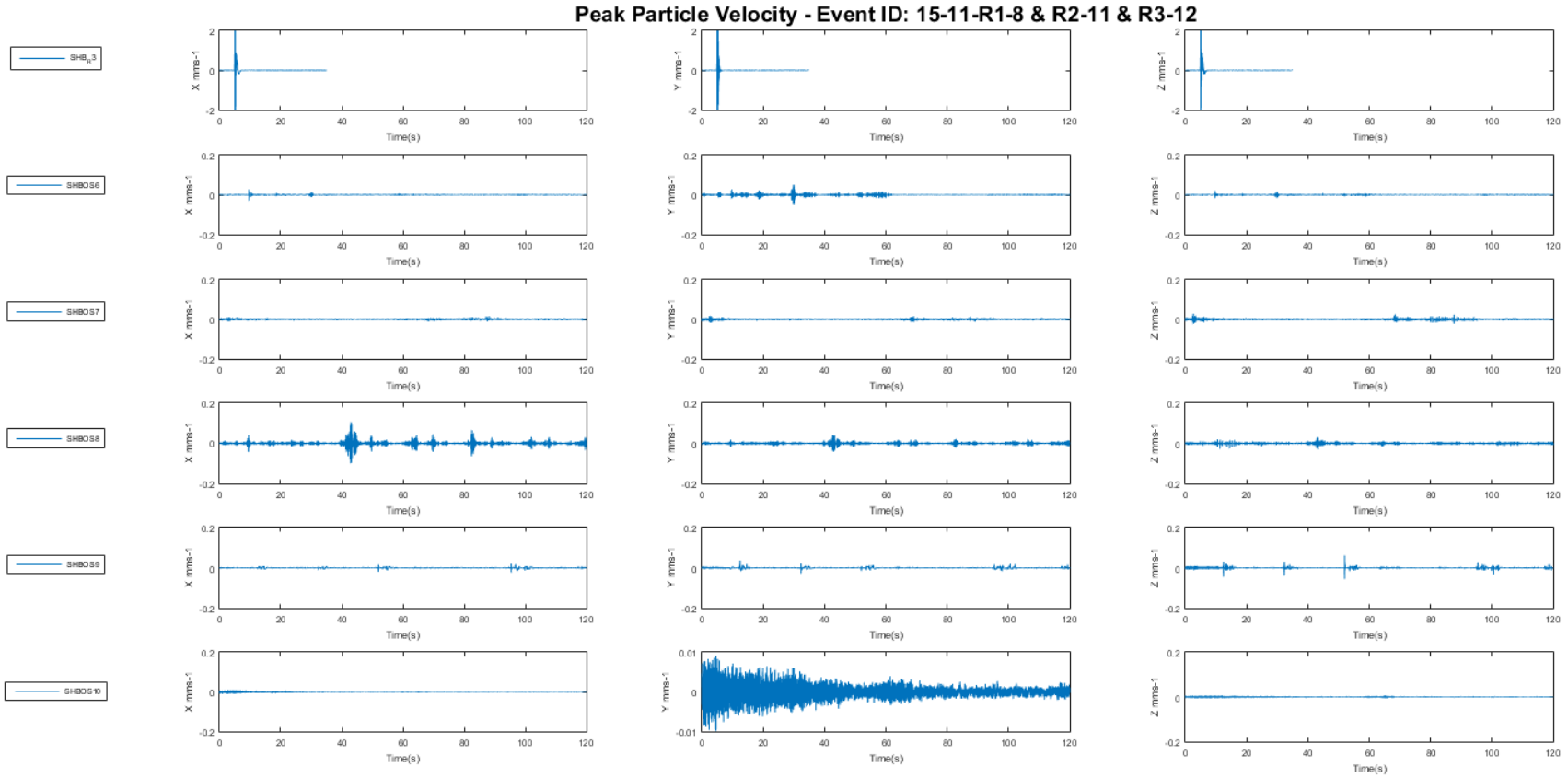


FIGURE 3.1583: SHB_OS 6 - 10 15-11-R1-8 & R2-11 & R3-12

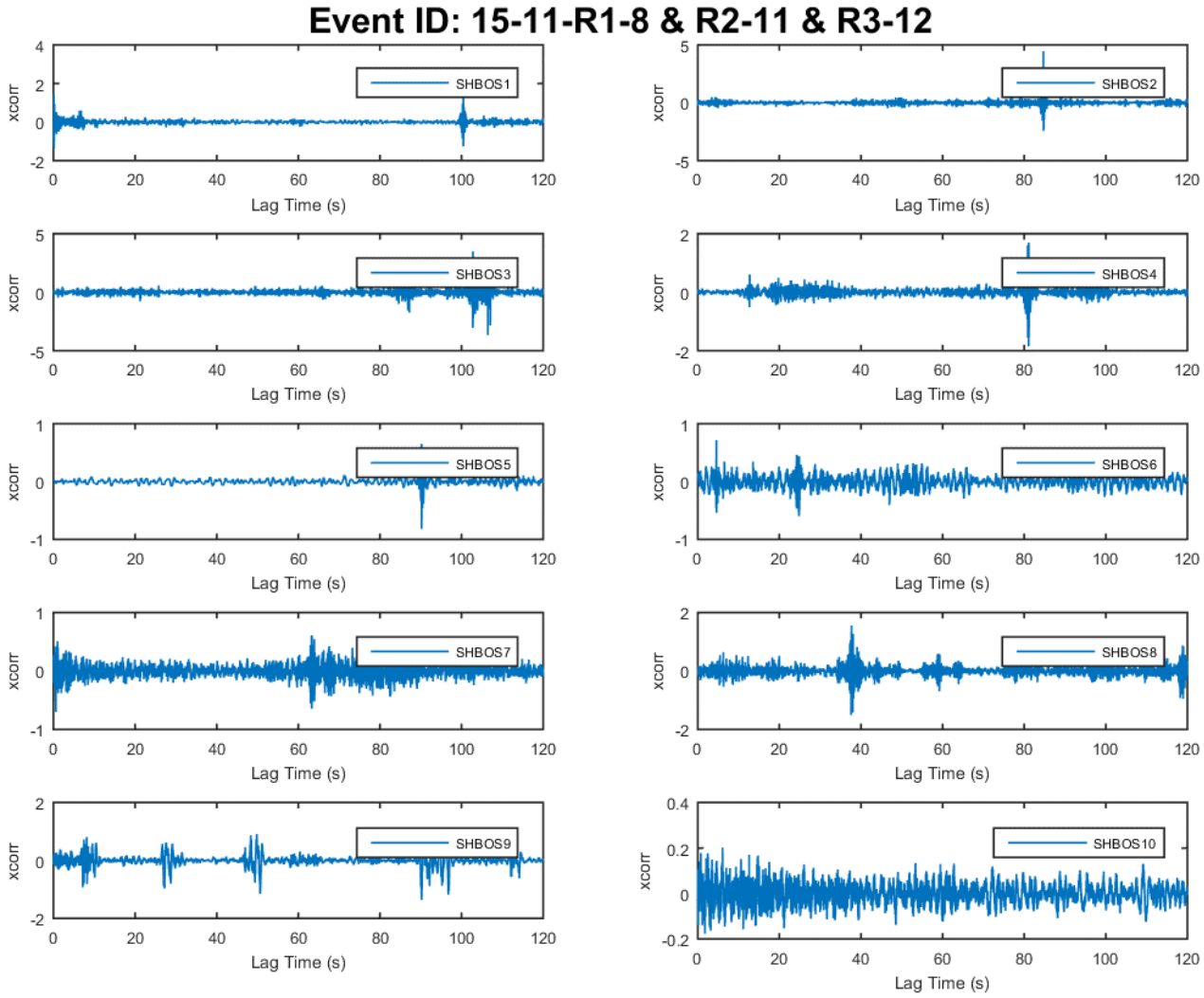


FIGURE 3.1584: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-8 & R2-11 & R3-12

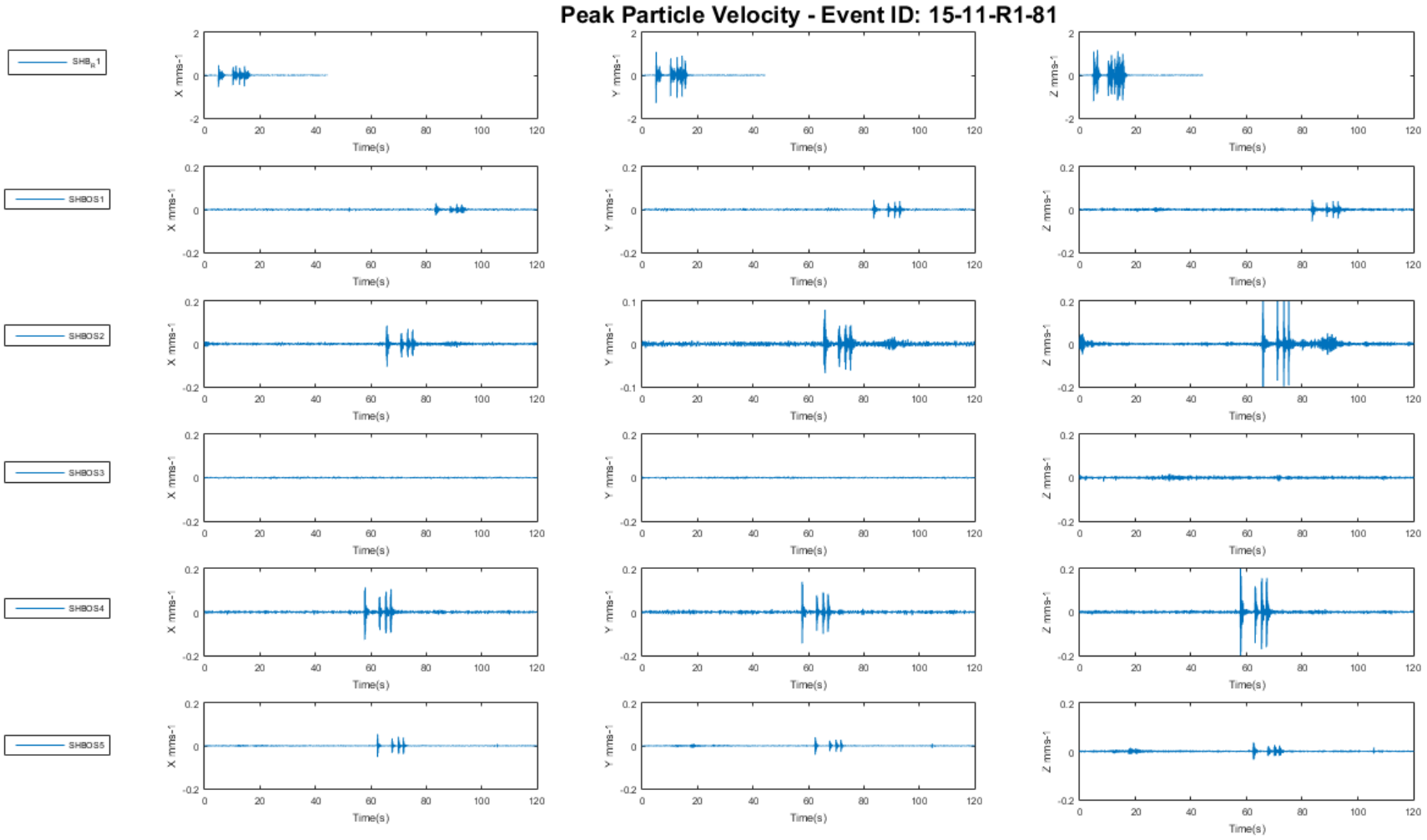


FIGURE 3.1585: SHB_OS 1 - 5 15-11-R1-81

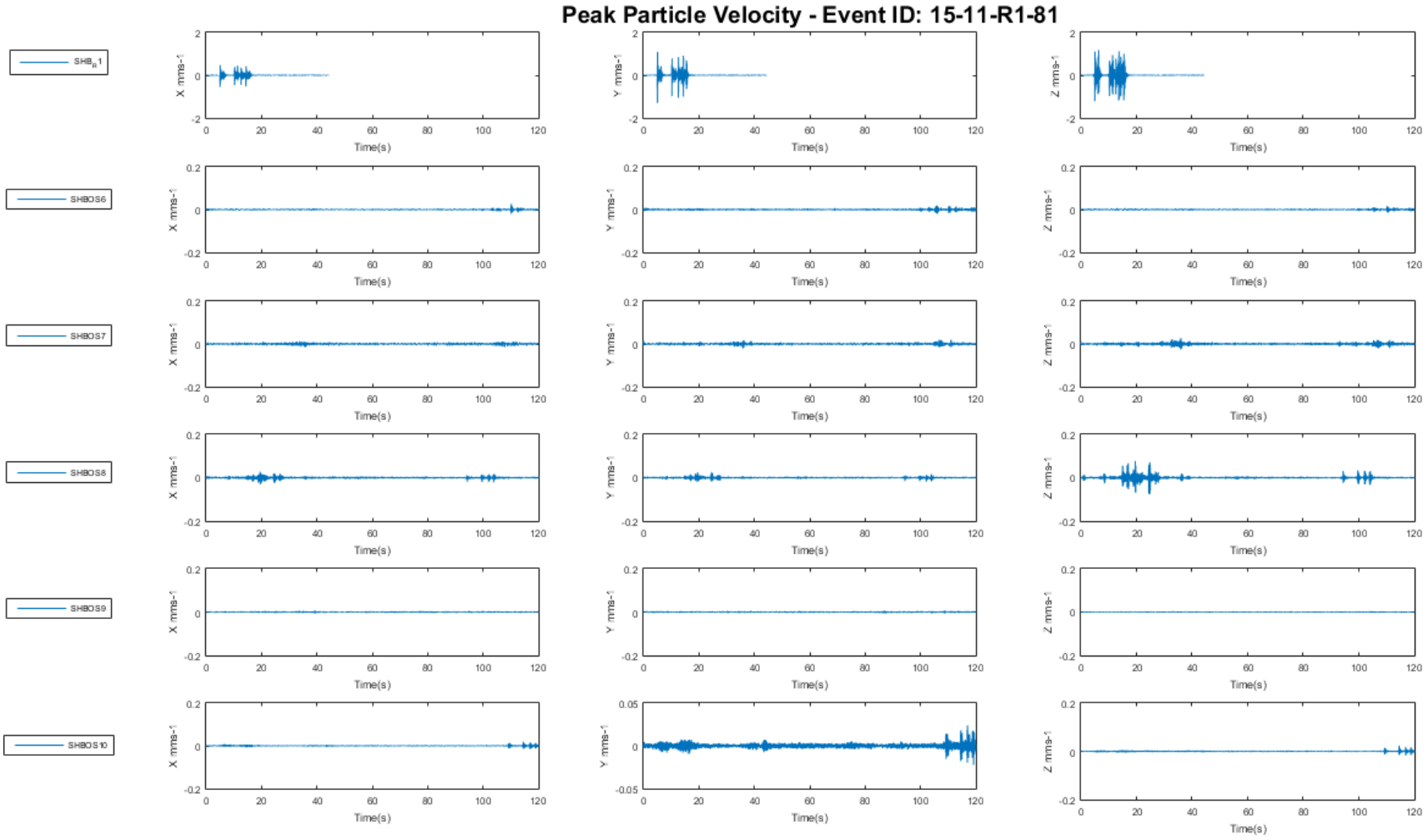


FIGURE 3.1586: SHB_OS 6 - 10 15-11-R1-81

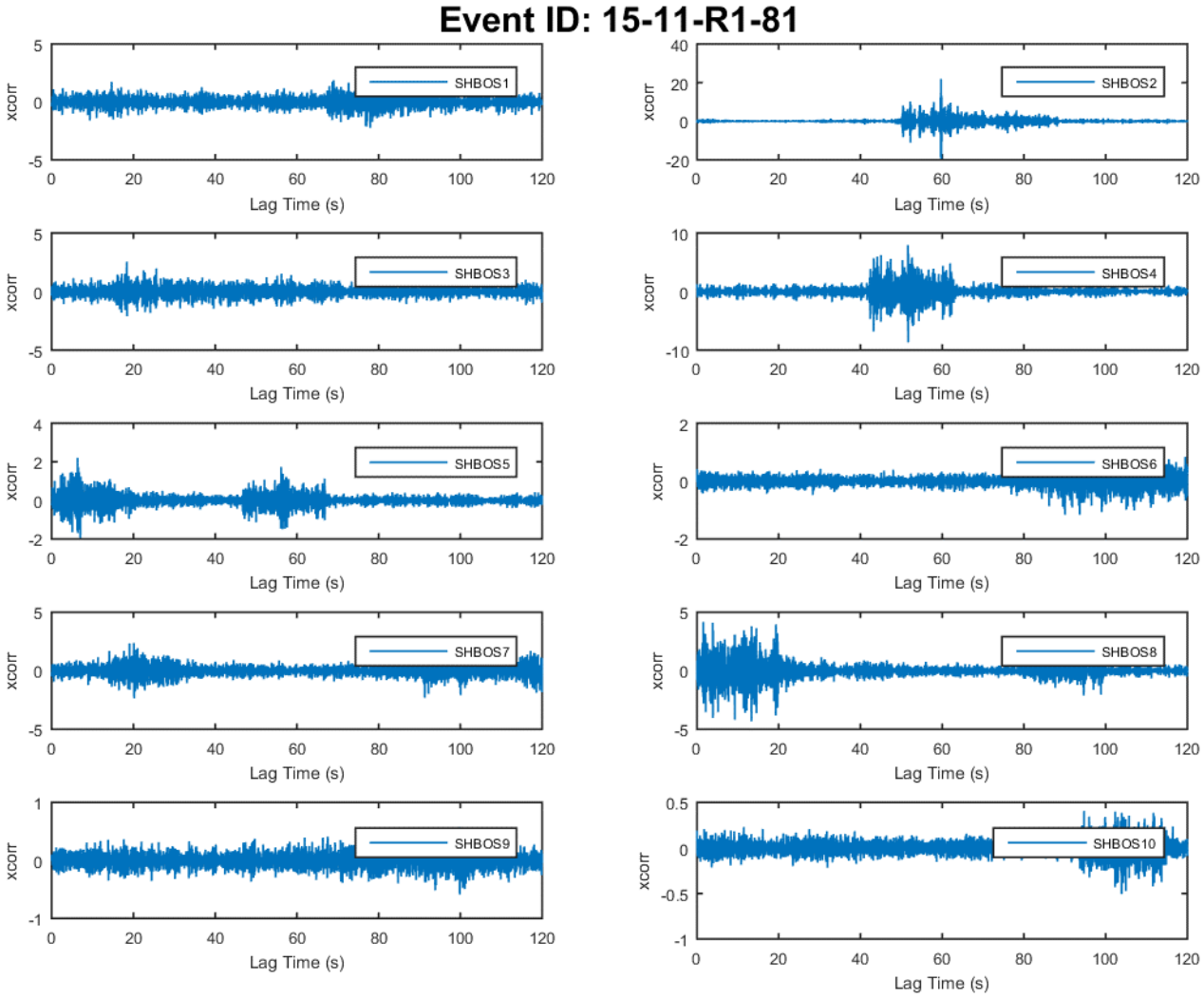


FIGURE 3.1587: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-81

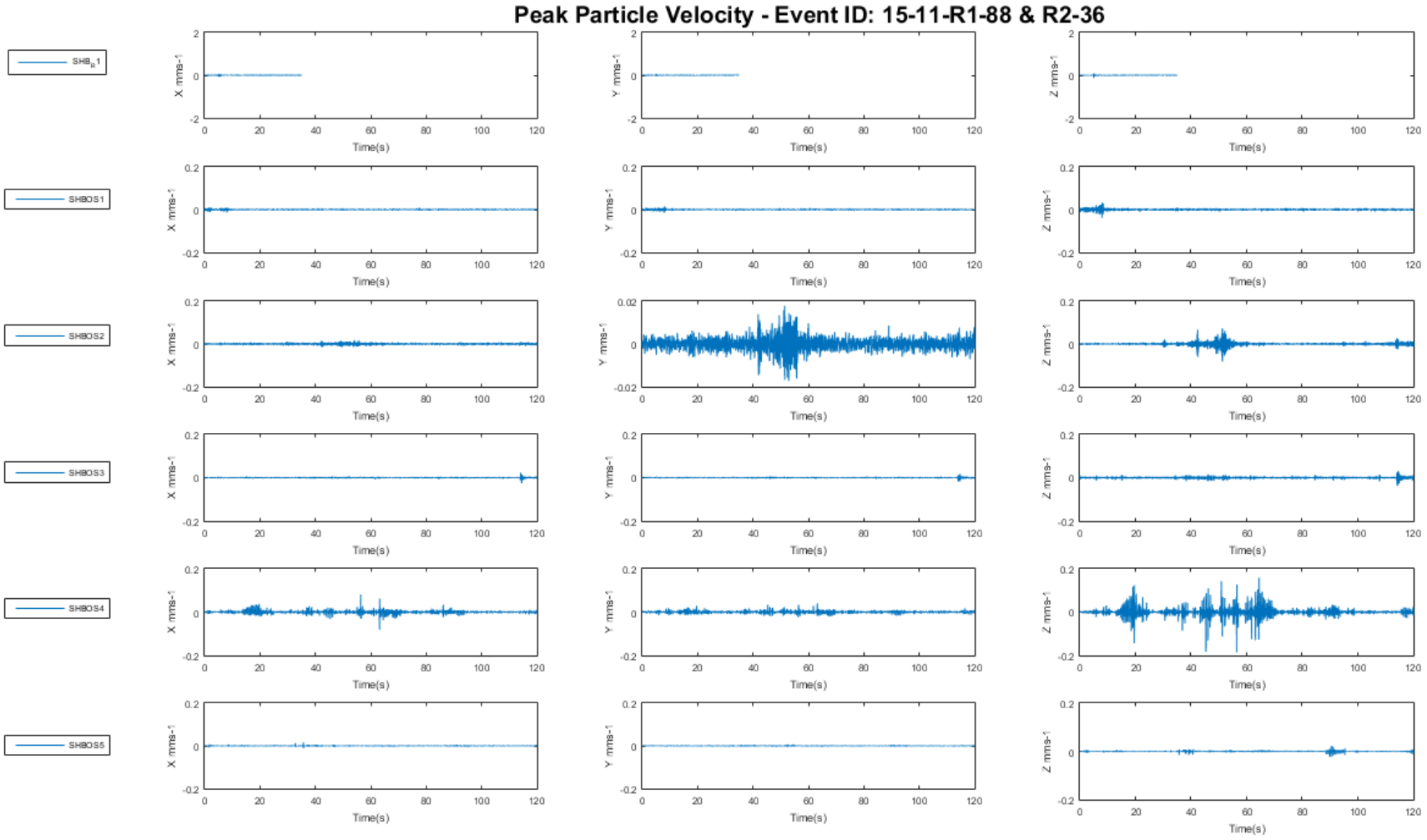


FIGURE 3.1588: SHB_OS 1 - 5 15-11-R1-88 & R2-36

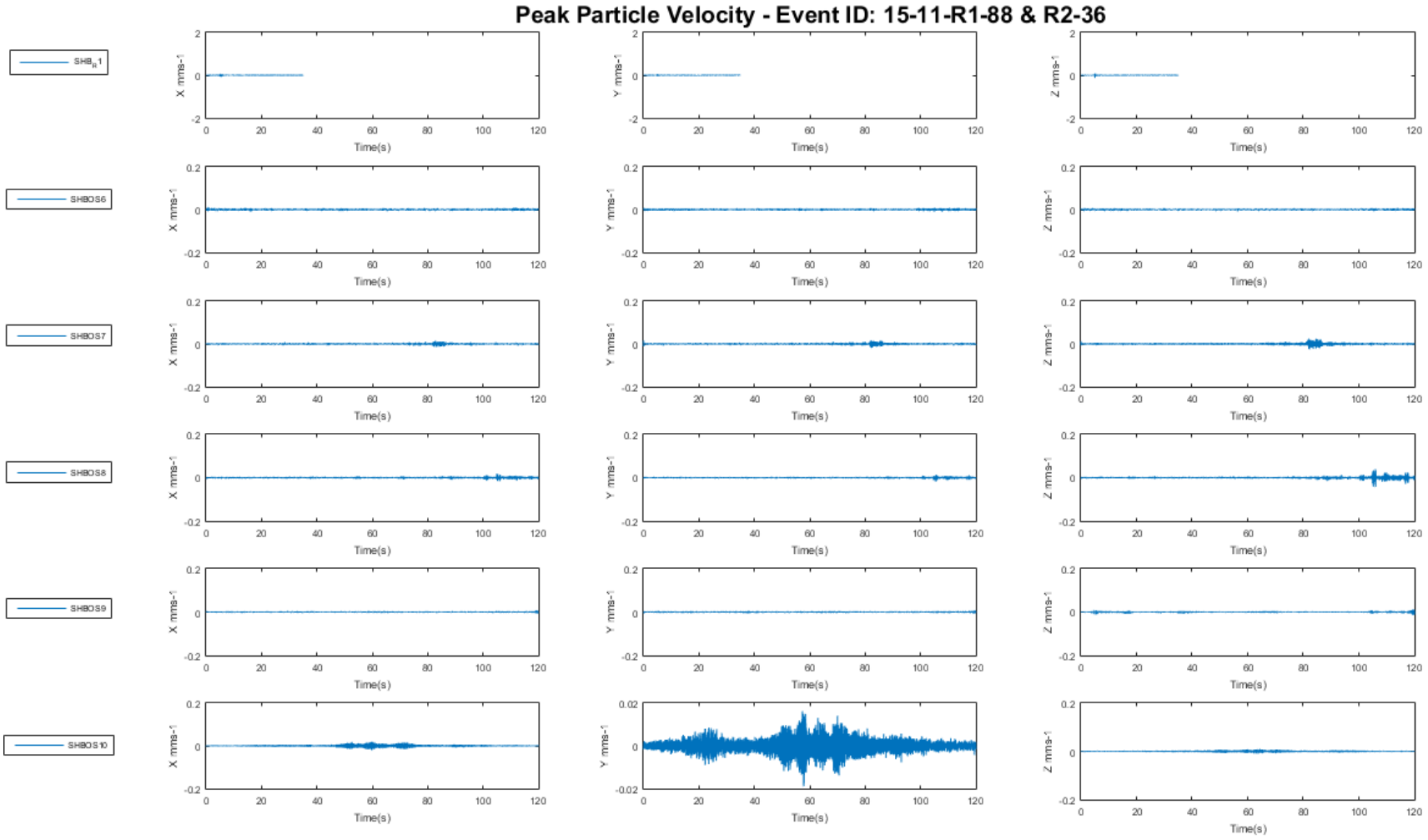


FIGURE 3.1589: SHB_OS 6 - 10 15-11-R1-88 & R2-36

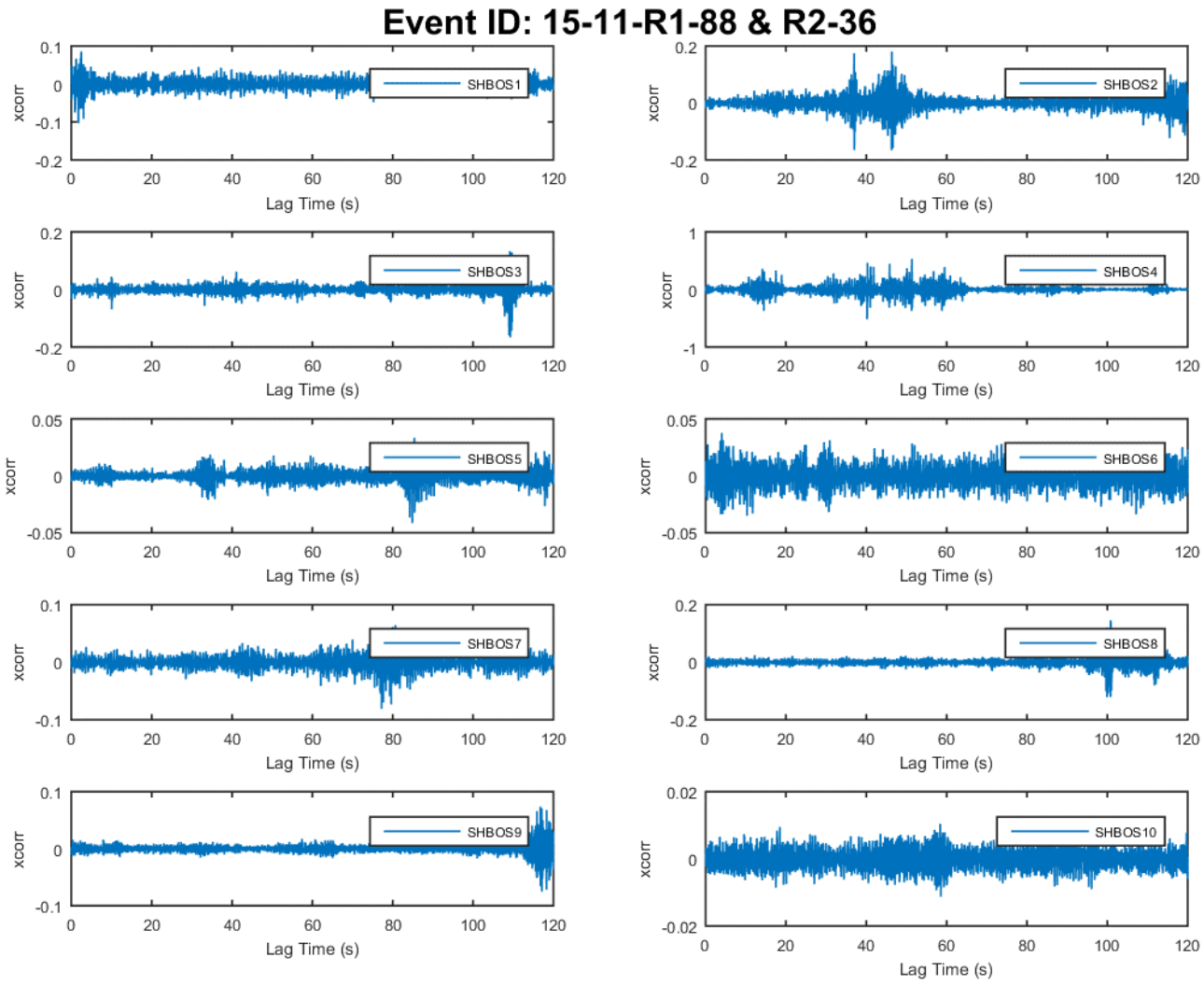


FIGURE 3.1590: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-88 & R2-36

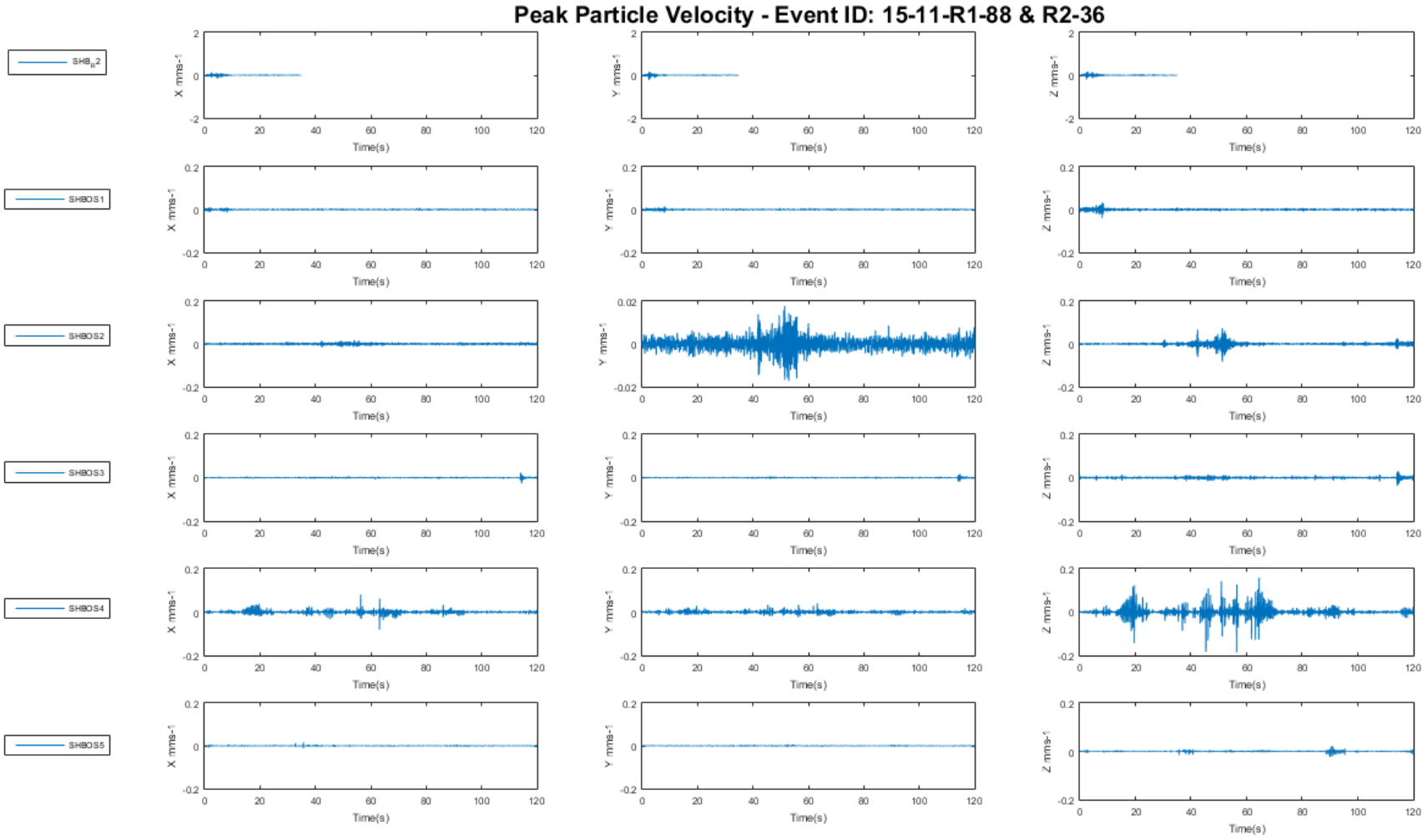


FIGURE 3.1591: SHB_OS 1 - 5 15-11-R1-88 & R2-36

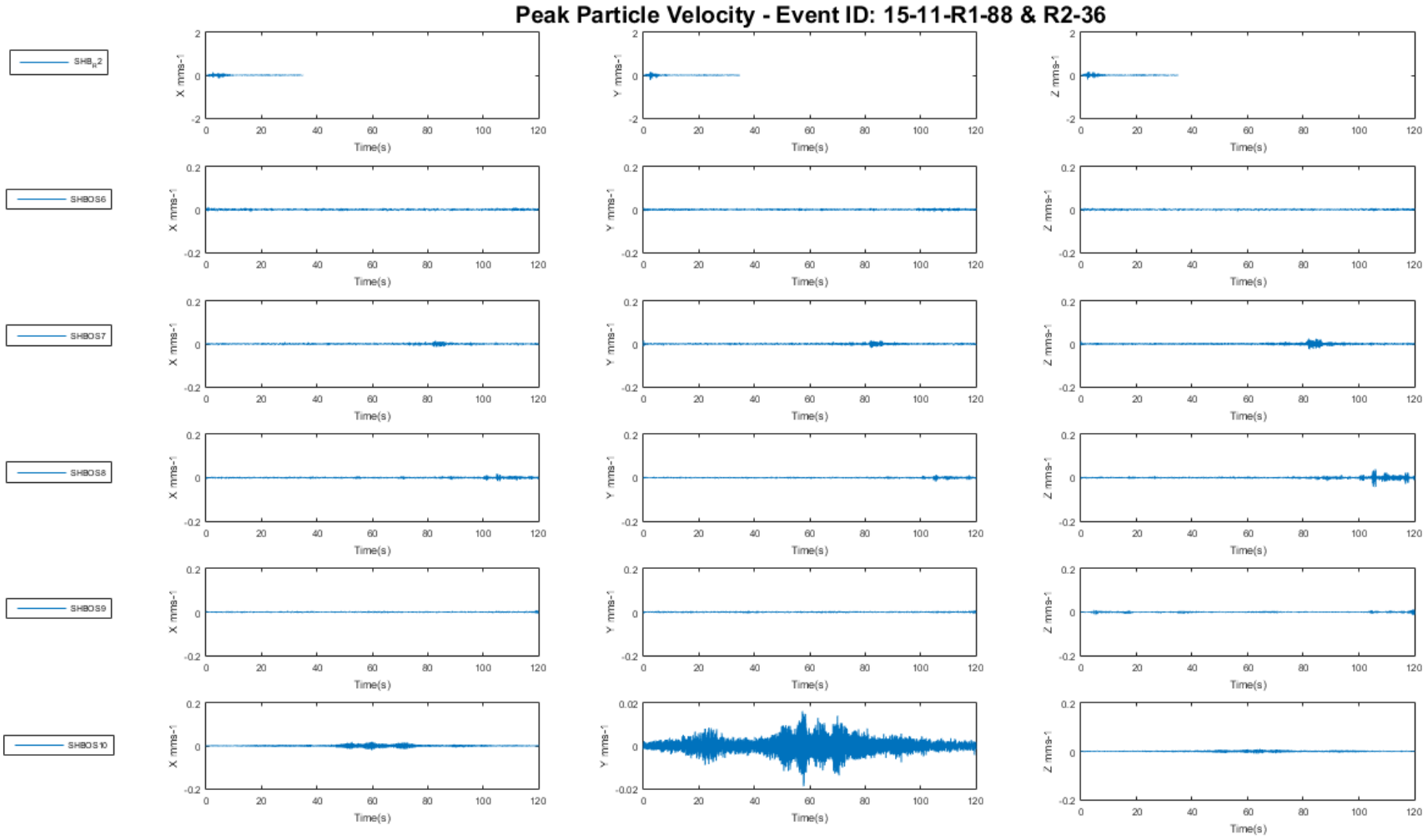


FIGURE 3.1592: SHB_OS 6 - 10 15-11-R1-88 & R2-36

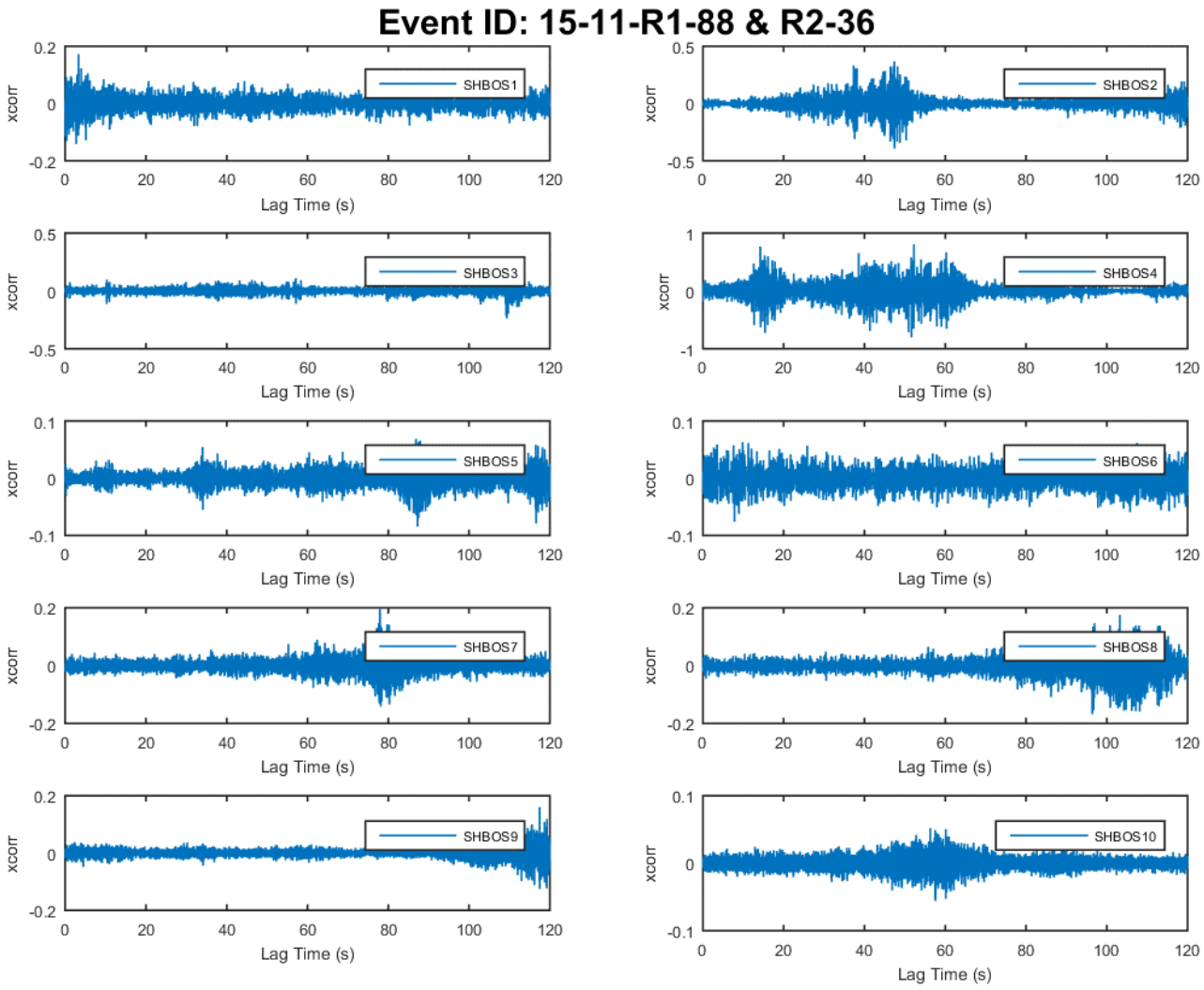


FIGURE 3.1593: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-88 & R2-36

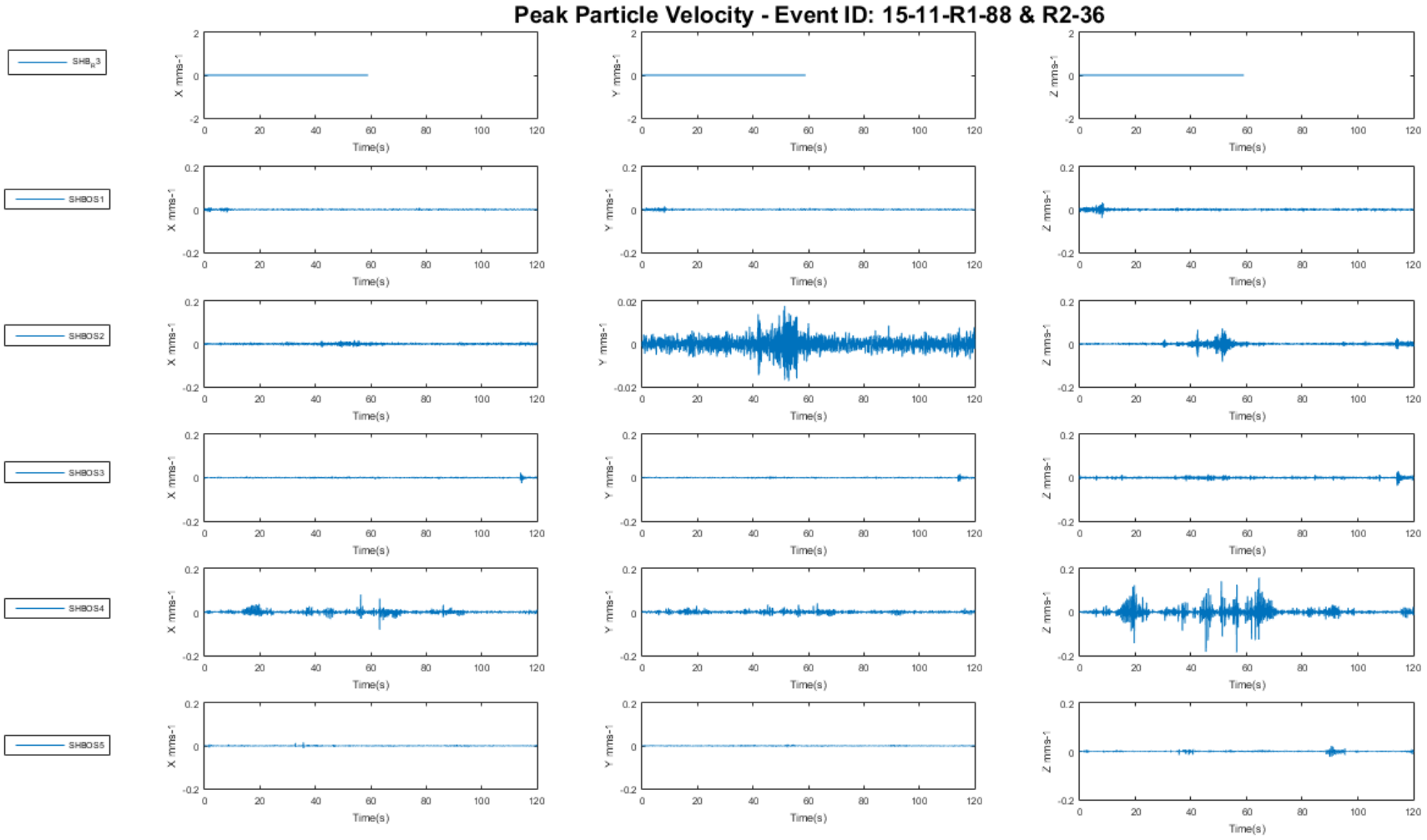


FIGURE 3.1594: SHB_OS 1 - 5 15-11-R1-88 & R2-36

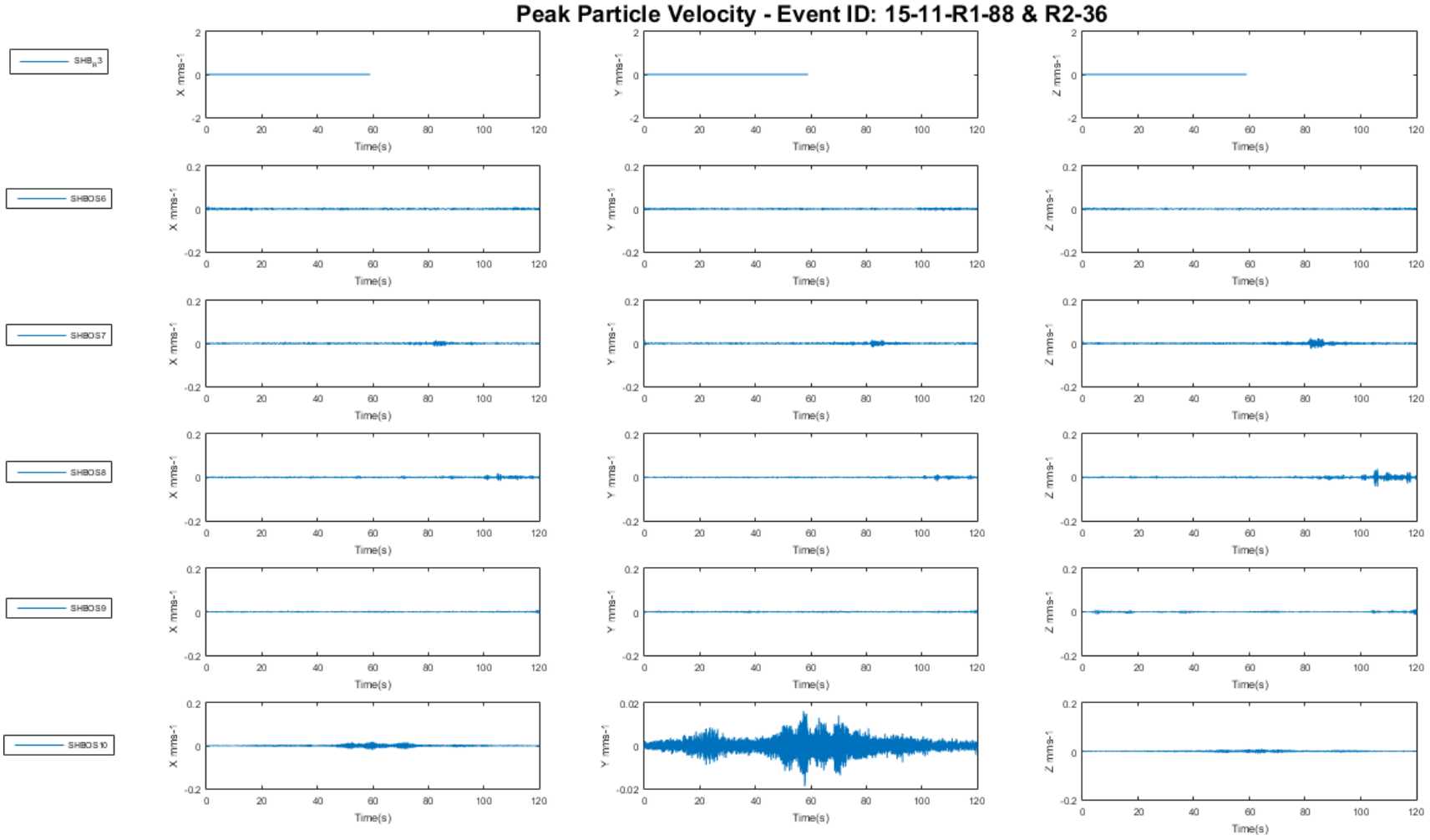


FIGURE 3.1595: SHB_OS 6 - 10 15-11-R1-88 & R2-36

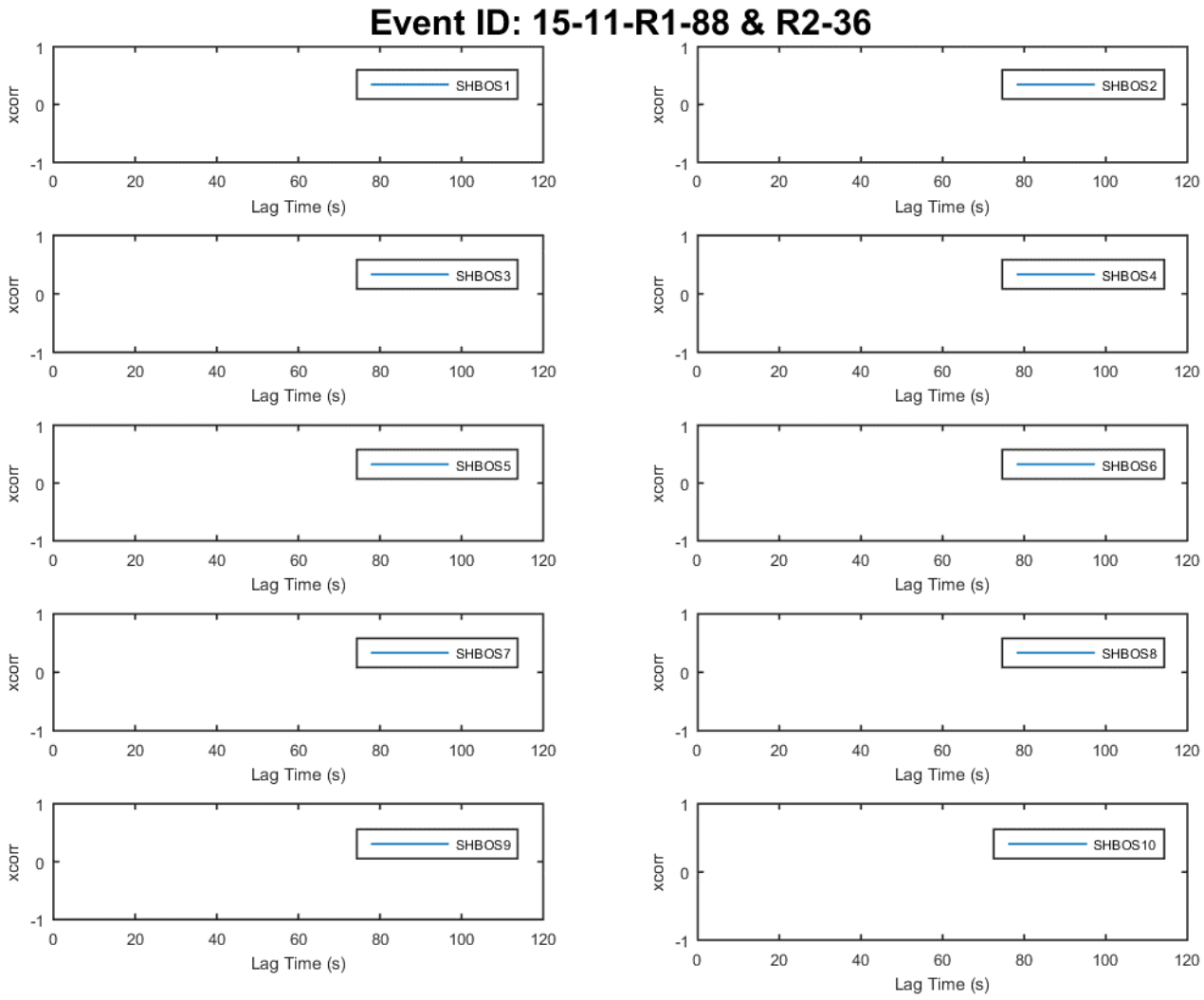


FIGURE 3.1596: CROSS CORRELATION SHB_OS 1 - 10 15-11-R1-88 & R2-36

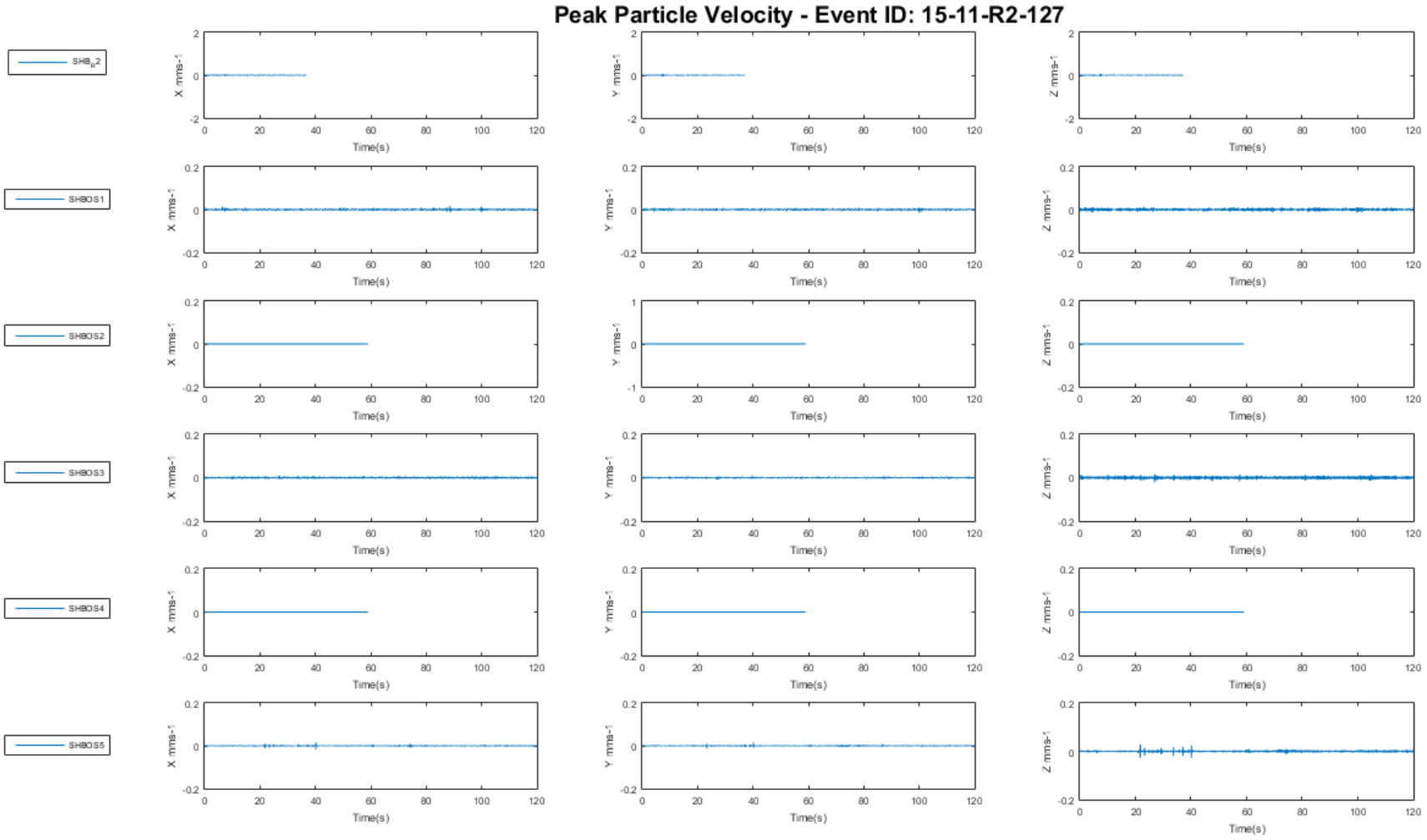


FIGURE 3.1597: SHB_OS 1 - 5 15-11-R2-127

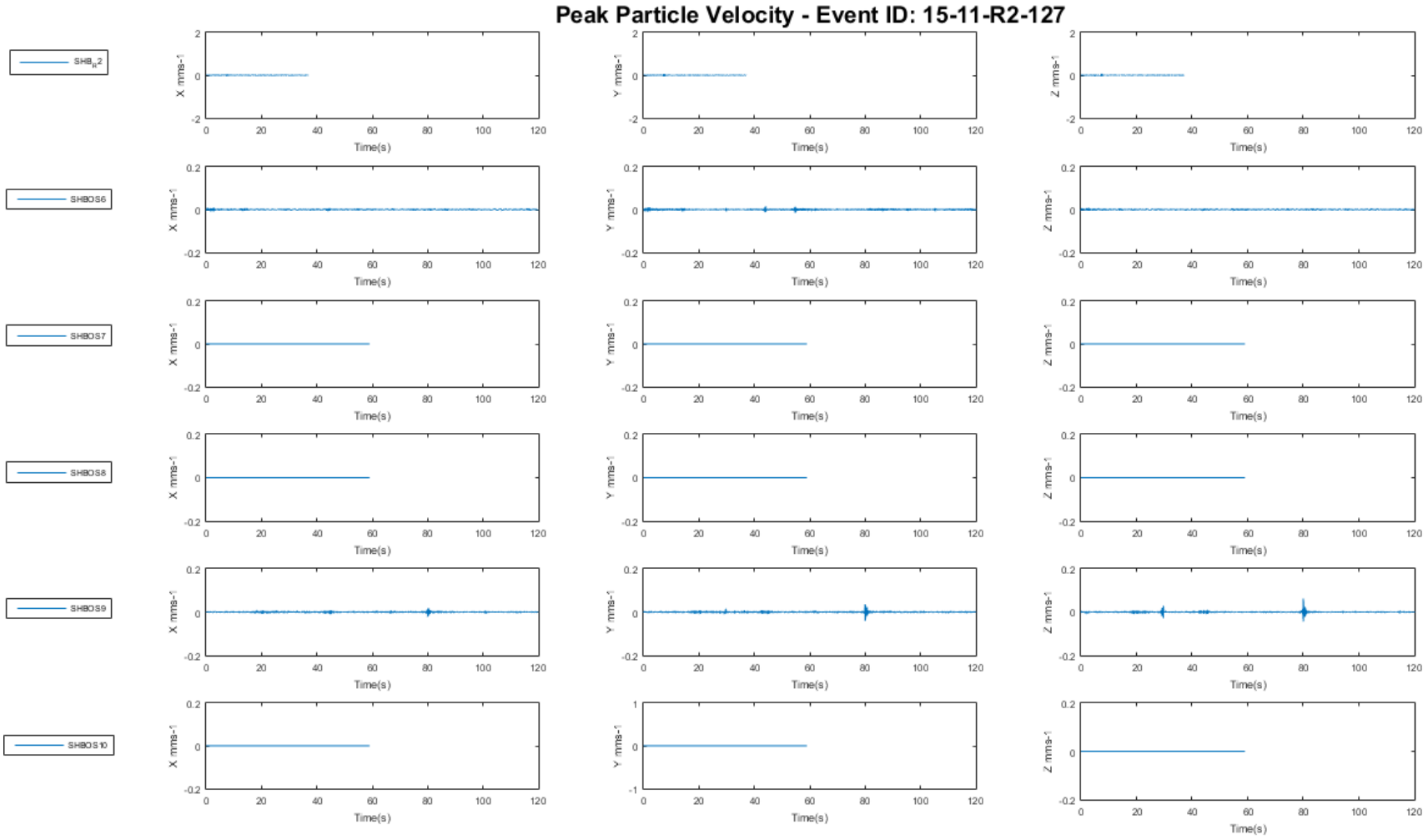


FIGURE 3.1598: SHB_OS 6 - 10 15-11-R2-127

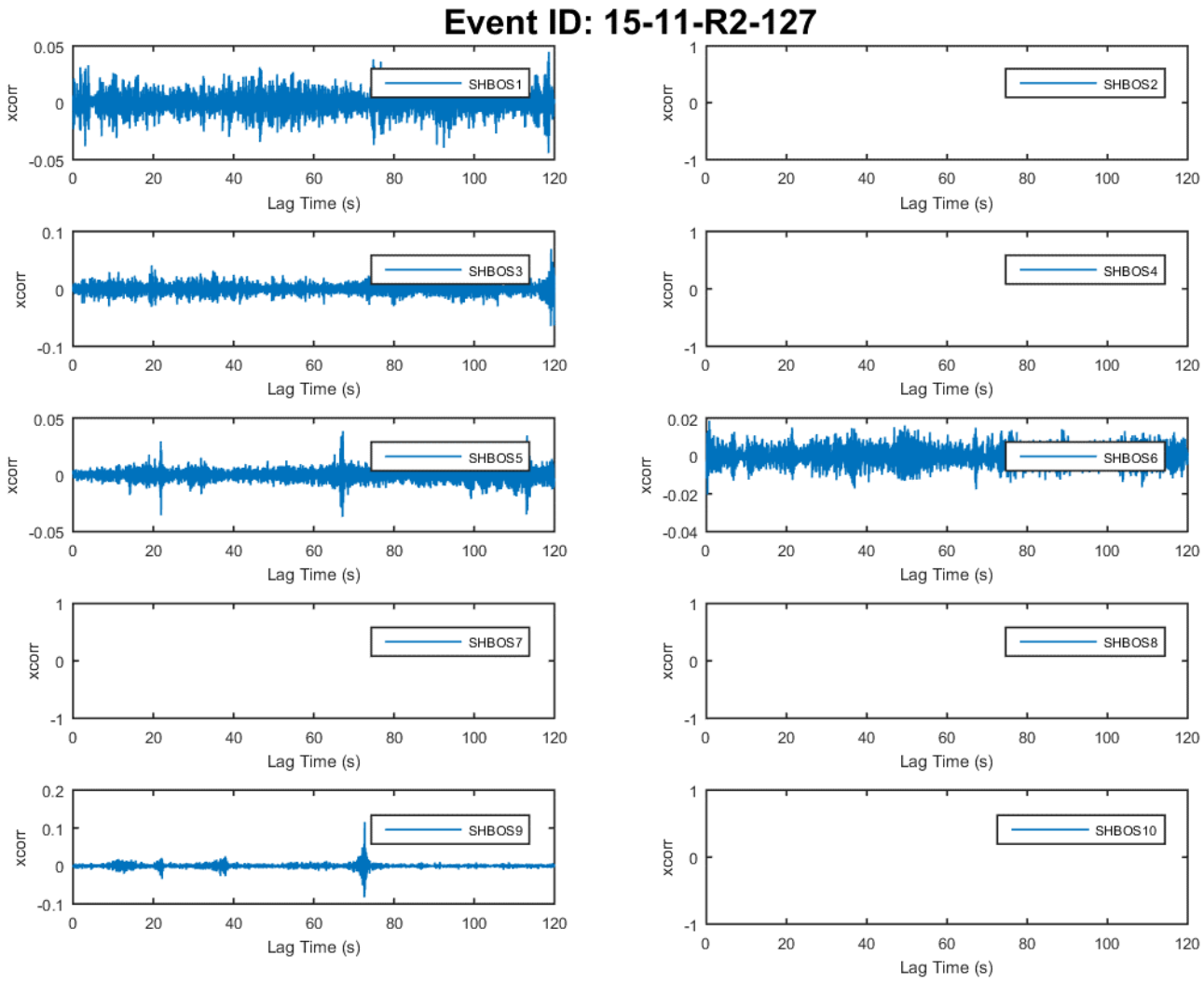


FIGURE 3.1599: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-127

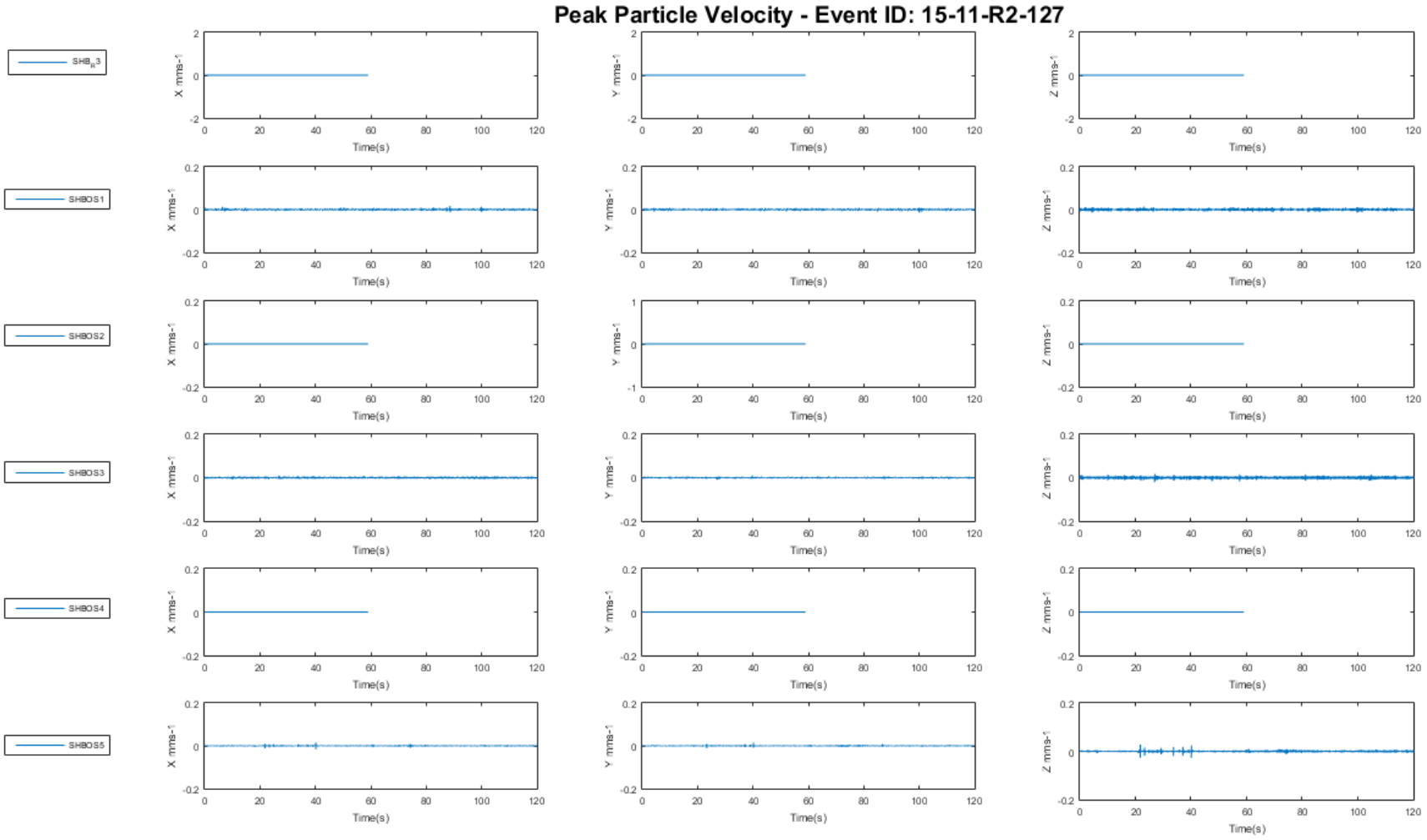


FIGURE 3.1600: SHB_OS 1 - 5 15-11-R2-127

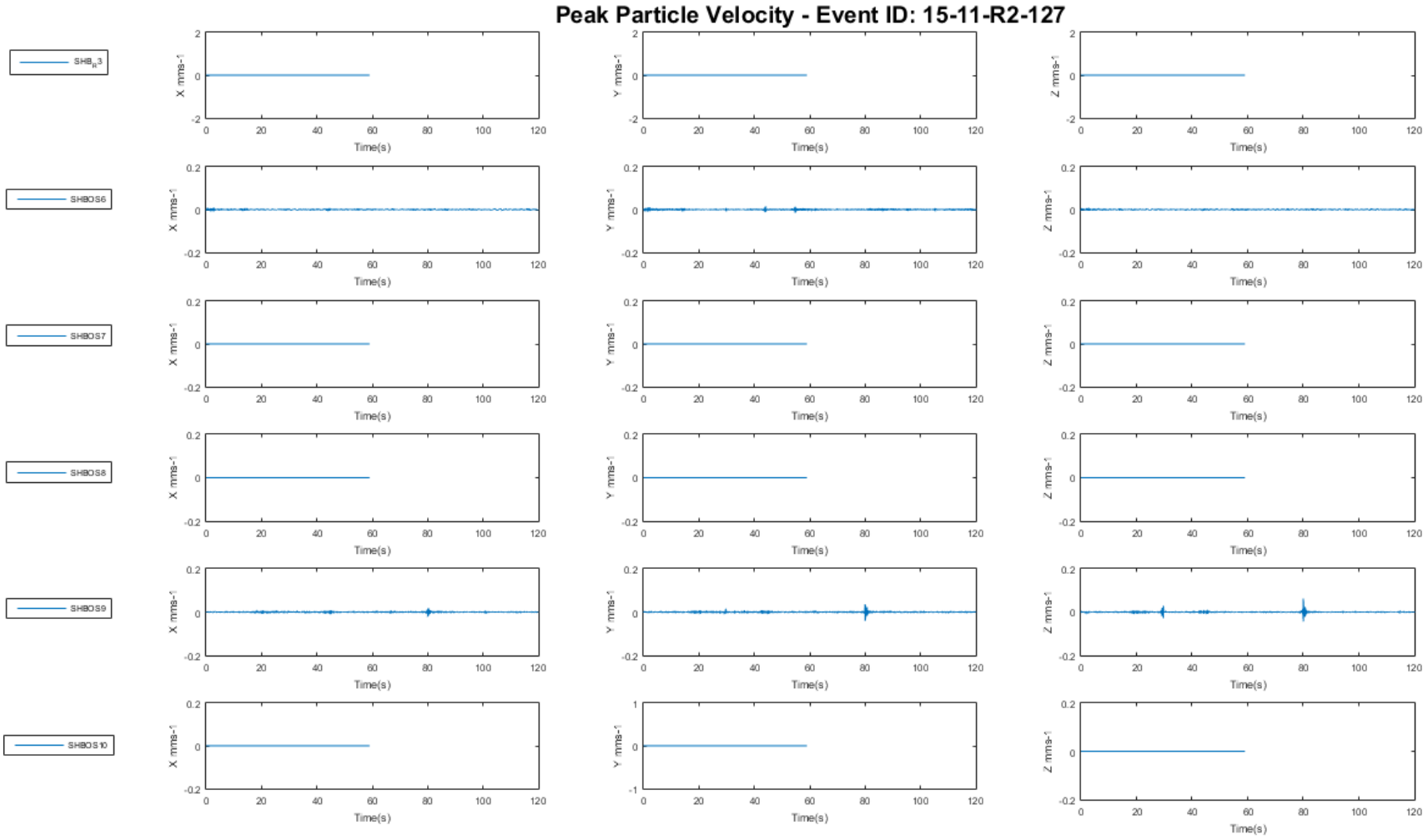


FIGURE 3.1601: SHB_OS 6 - 10 15-11-R2-127

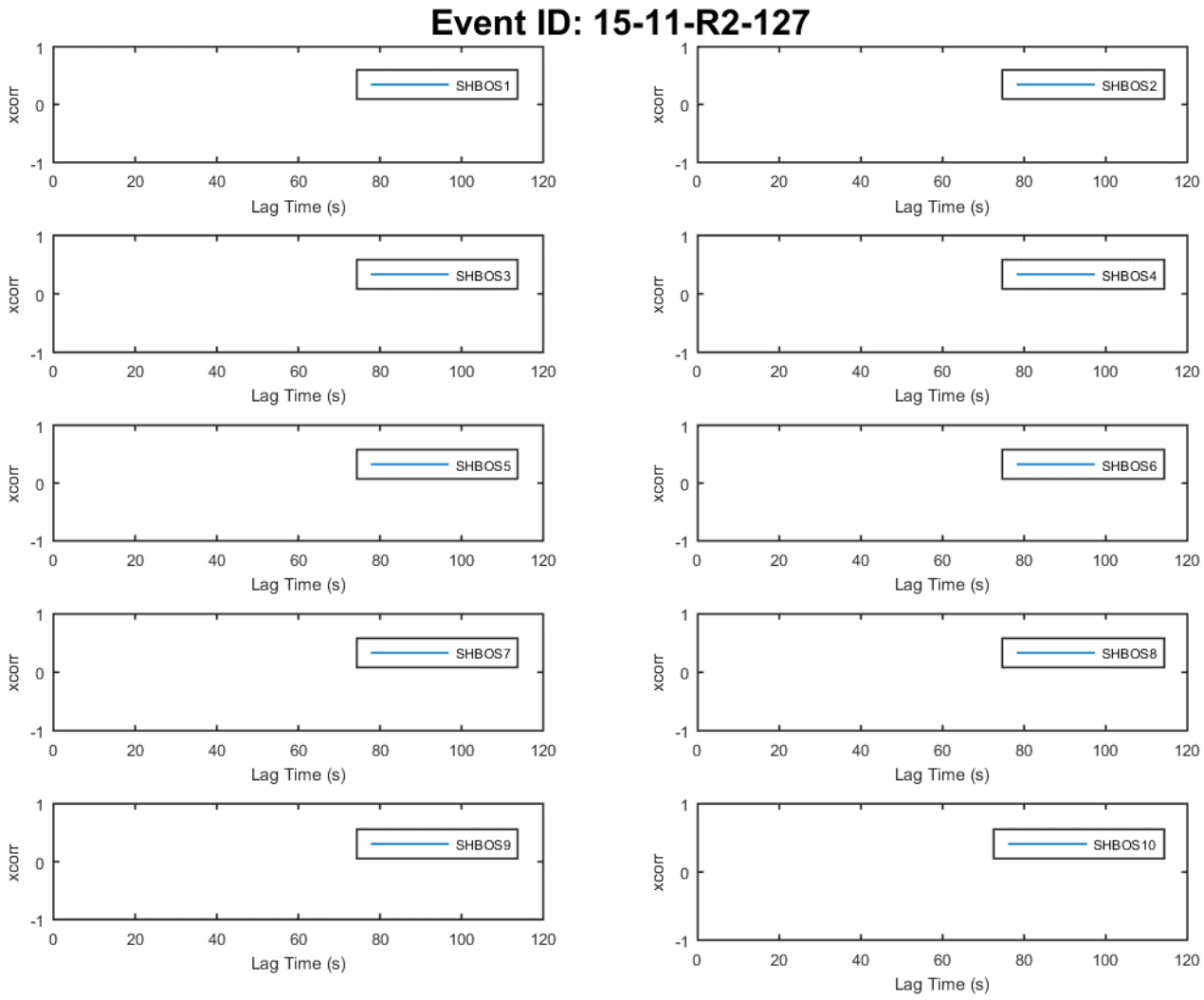


FIGURE 3.1602: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-127

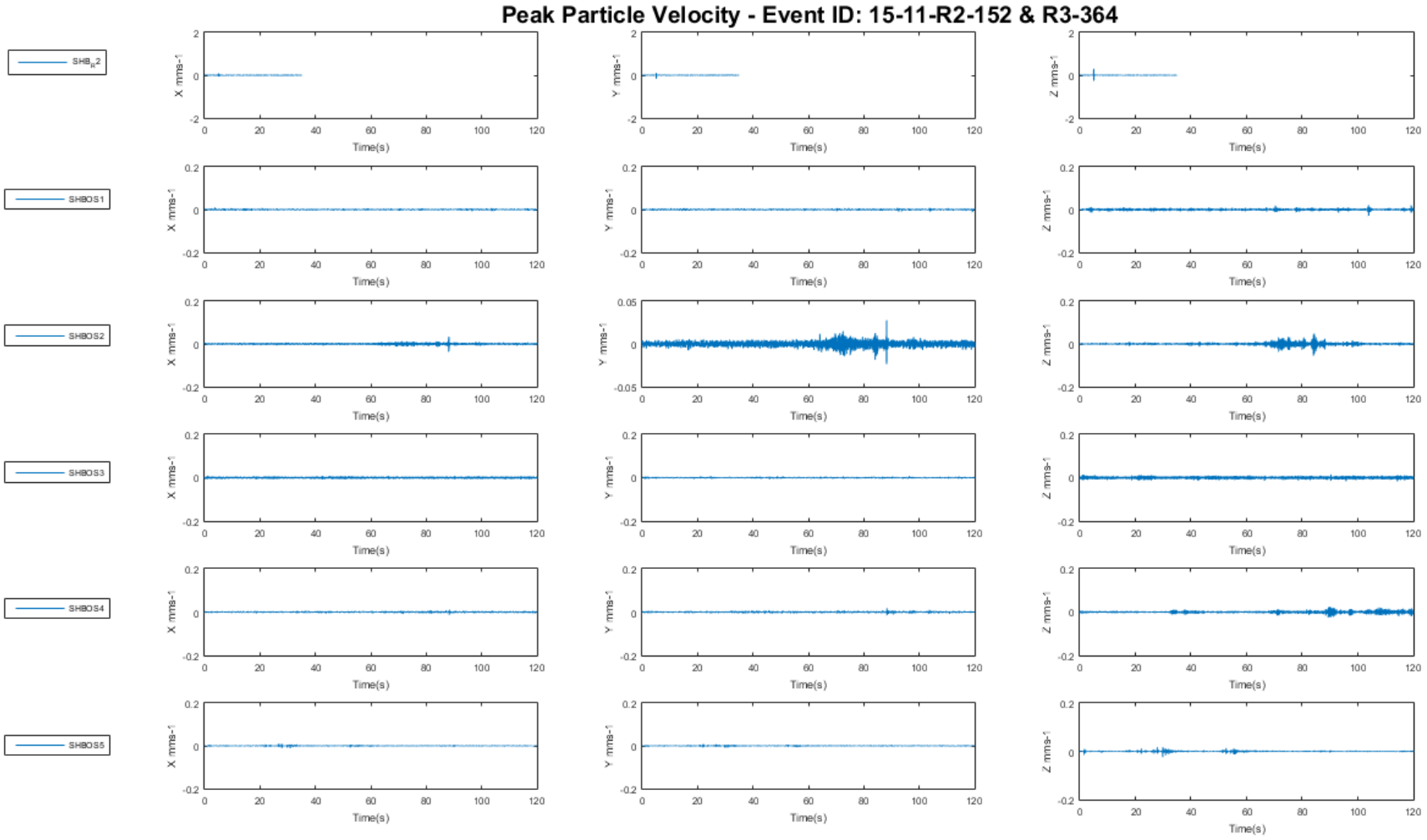


FIGURE 3.1603: SHB_OS 1 - 5 15-11-R2-152 & R3-364

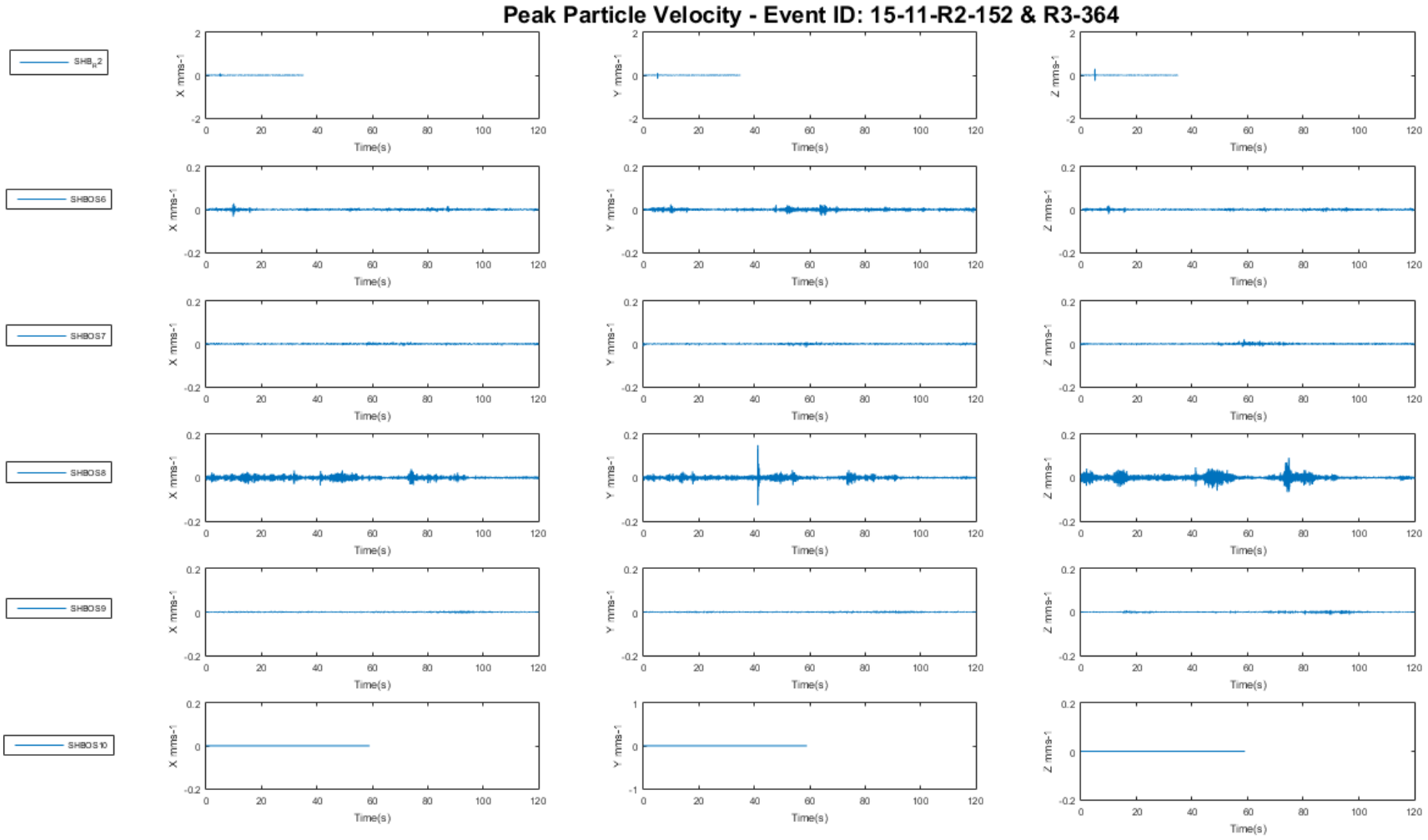


FIGURE 3.1604: SHB_OS 6 - 10 15-11-R2-152 & R3-364

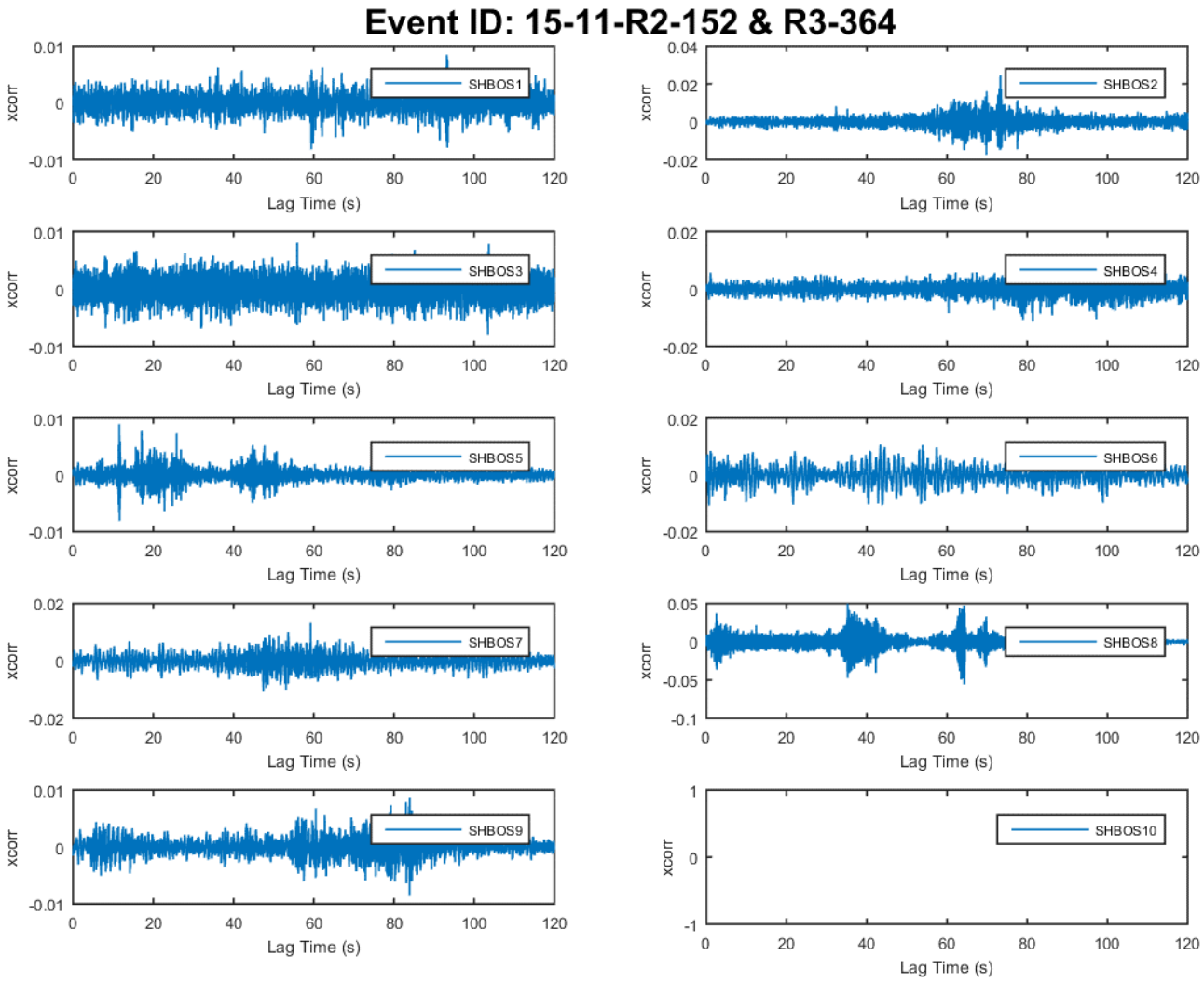


FIGURE 3.1605: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-152 & R3-364

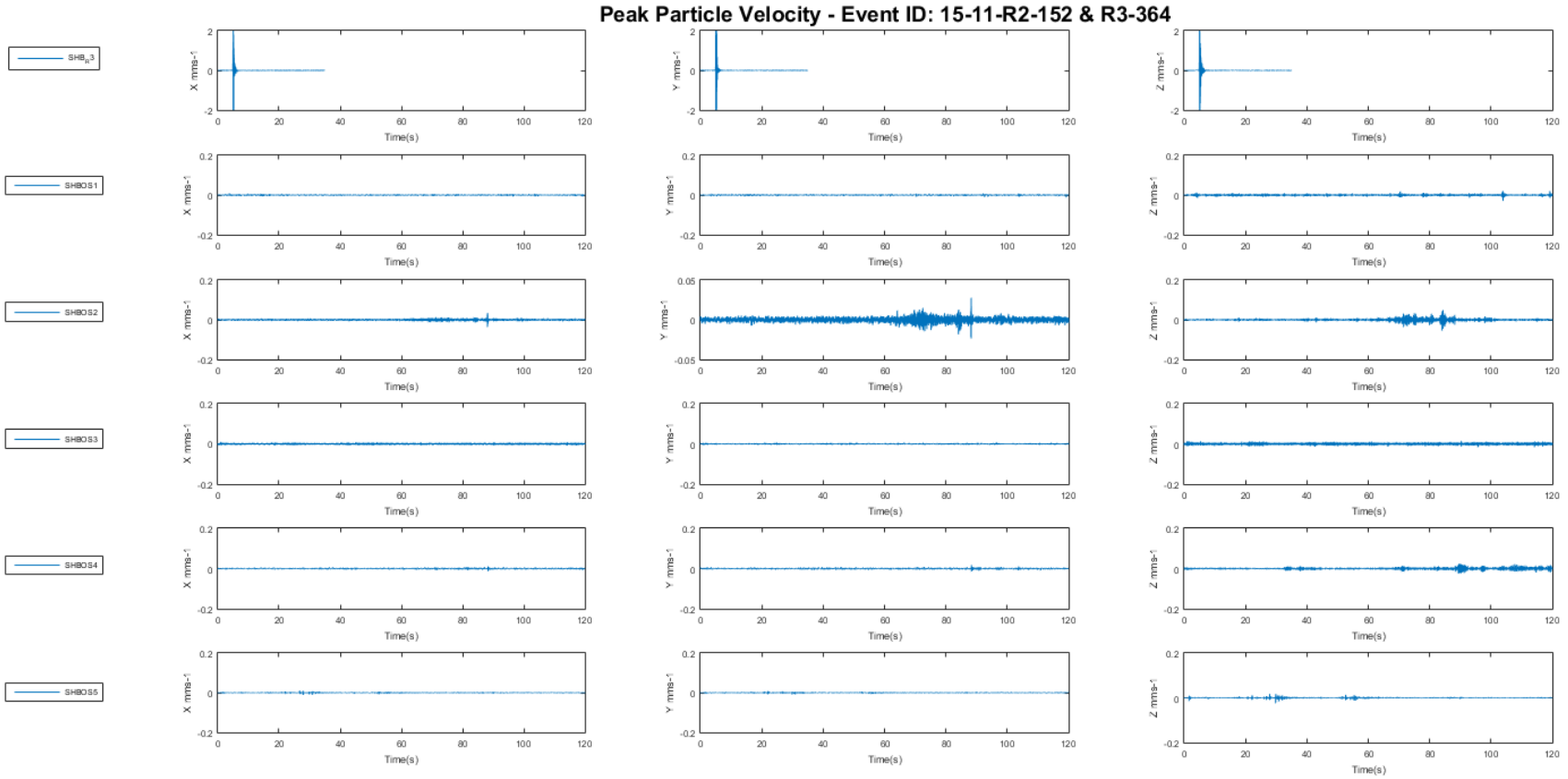


FIGURE 3.1606: SHB_OS 1 - 5 15-11-R2-152 & R3-364

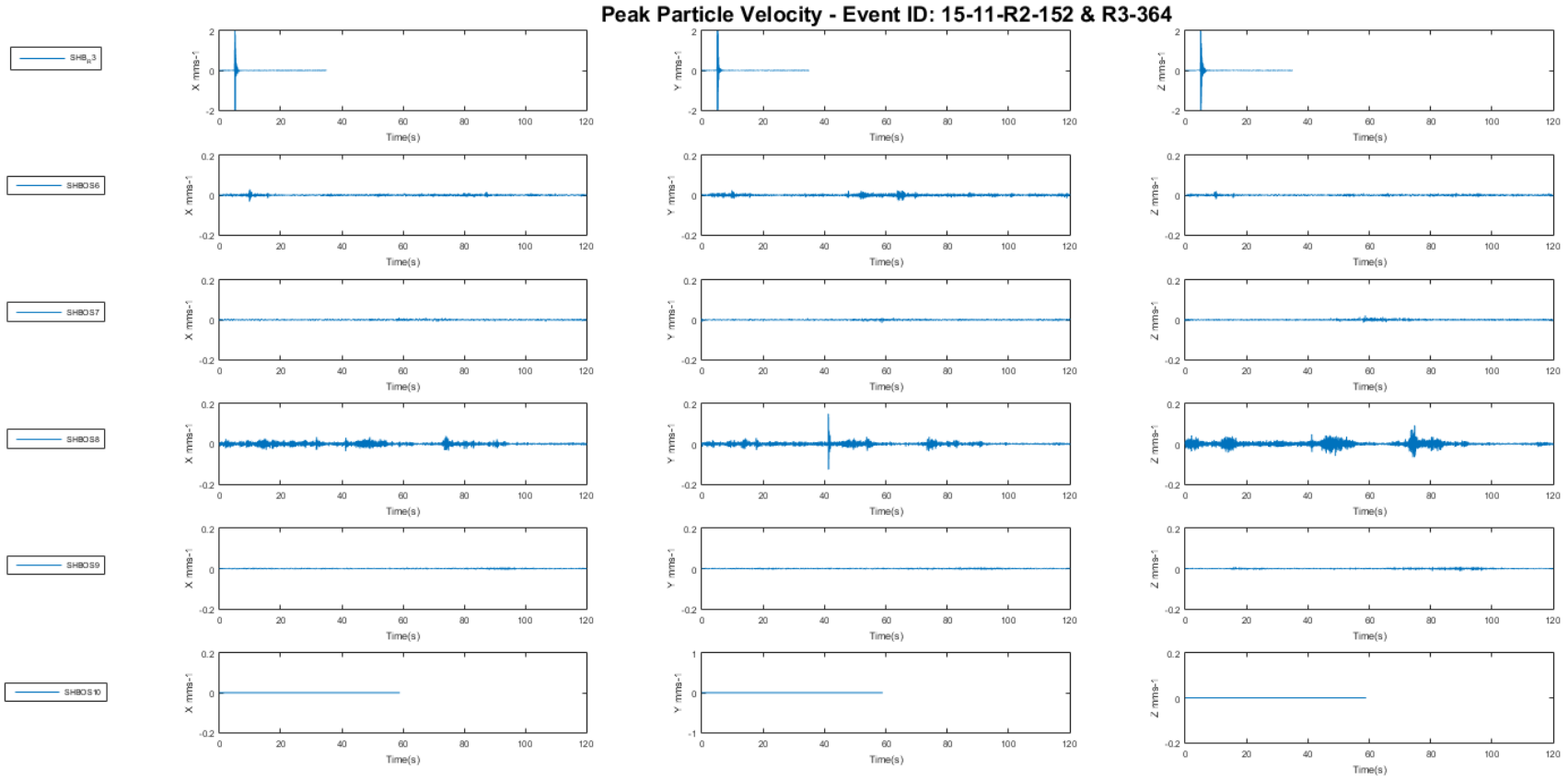


FIGURE 3.1607: SHB_OS 6 - 10 15-11-R2-152 & R3-364

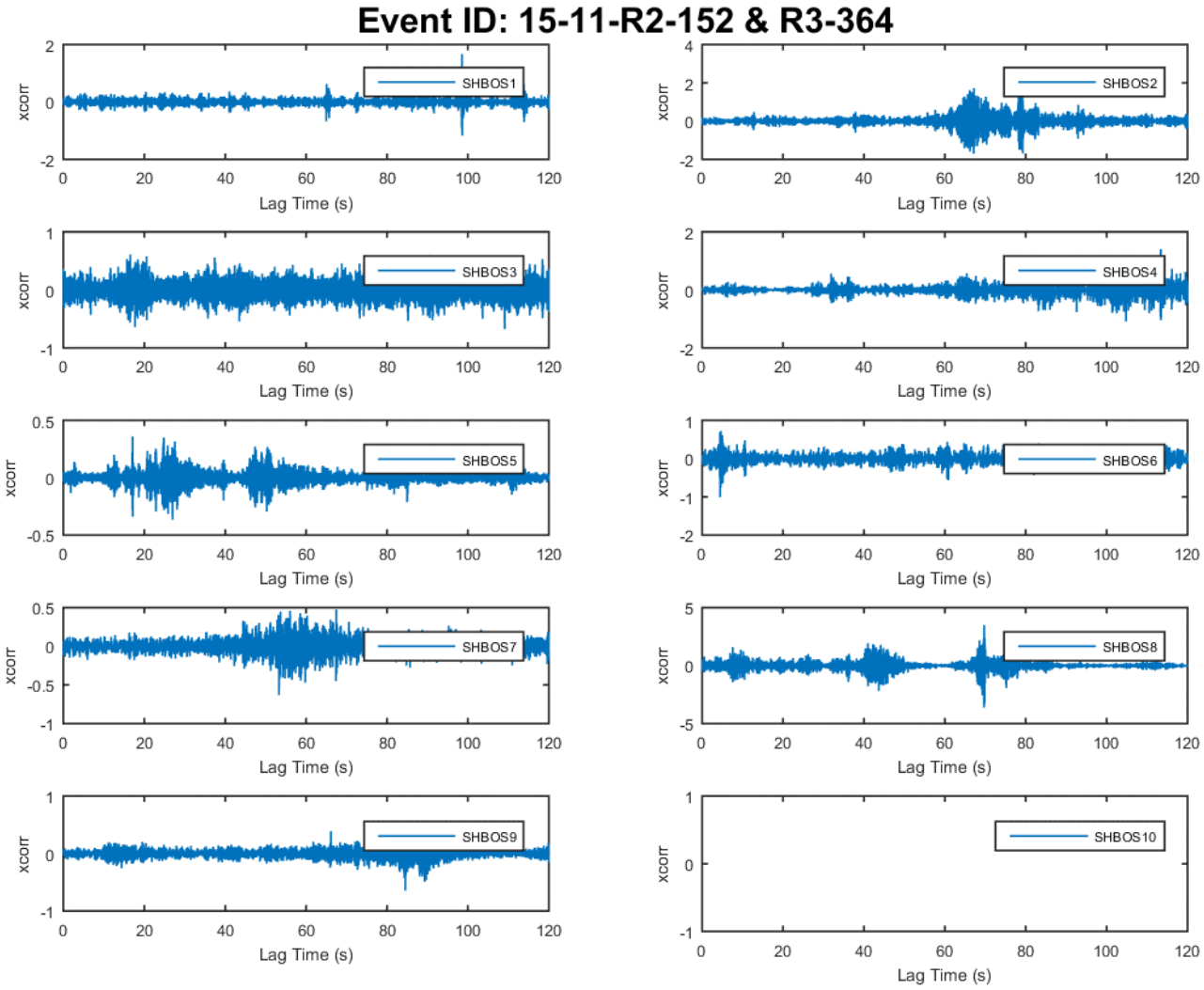


FIGURE 3.1608: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-152 & R3-364

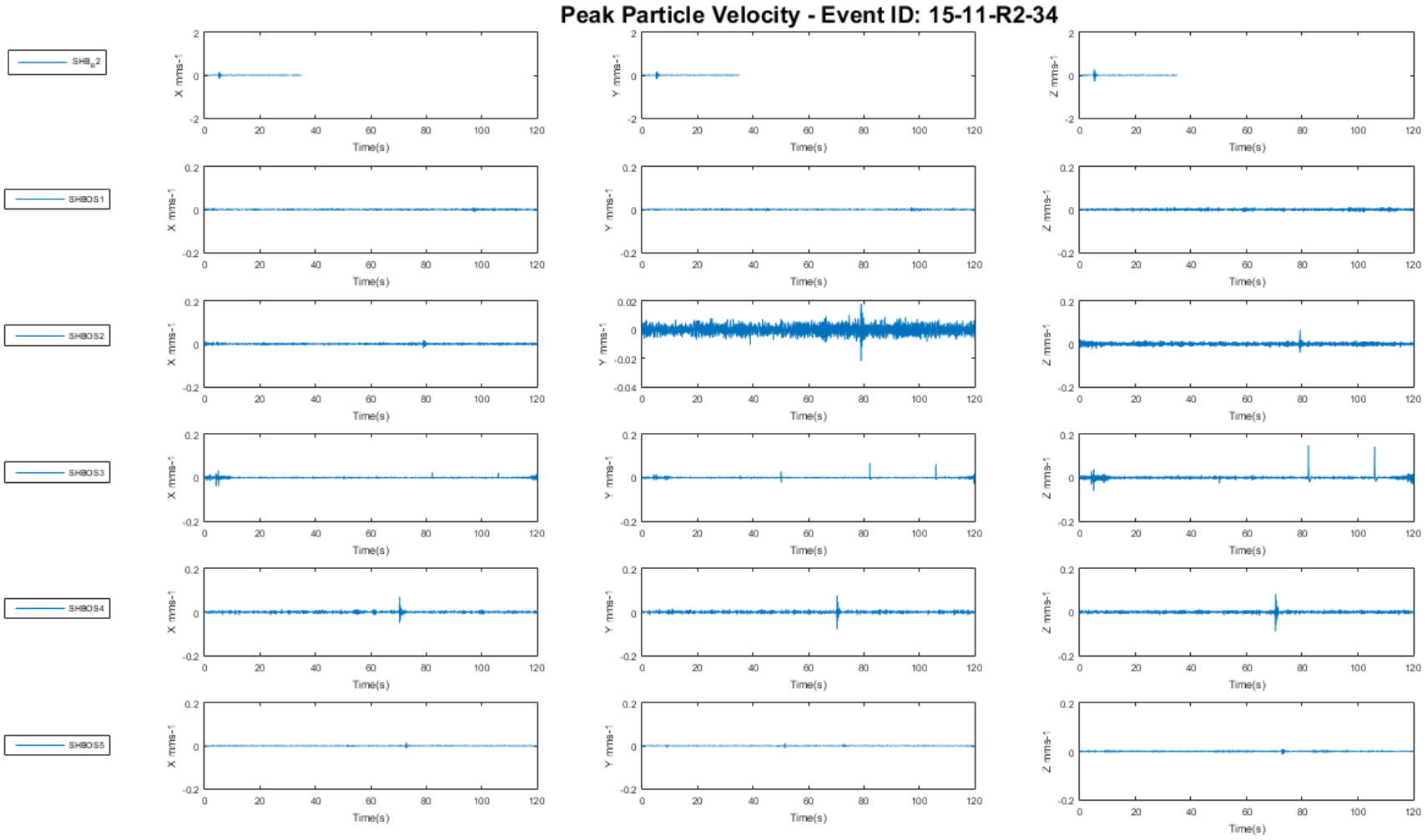


FIGURE 3.1609: SHB_OS 1 - 5 15-11-R2-34

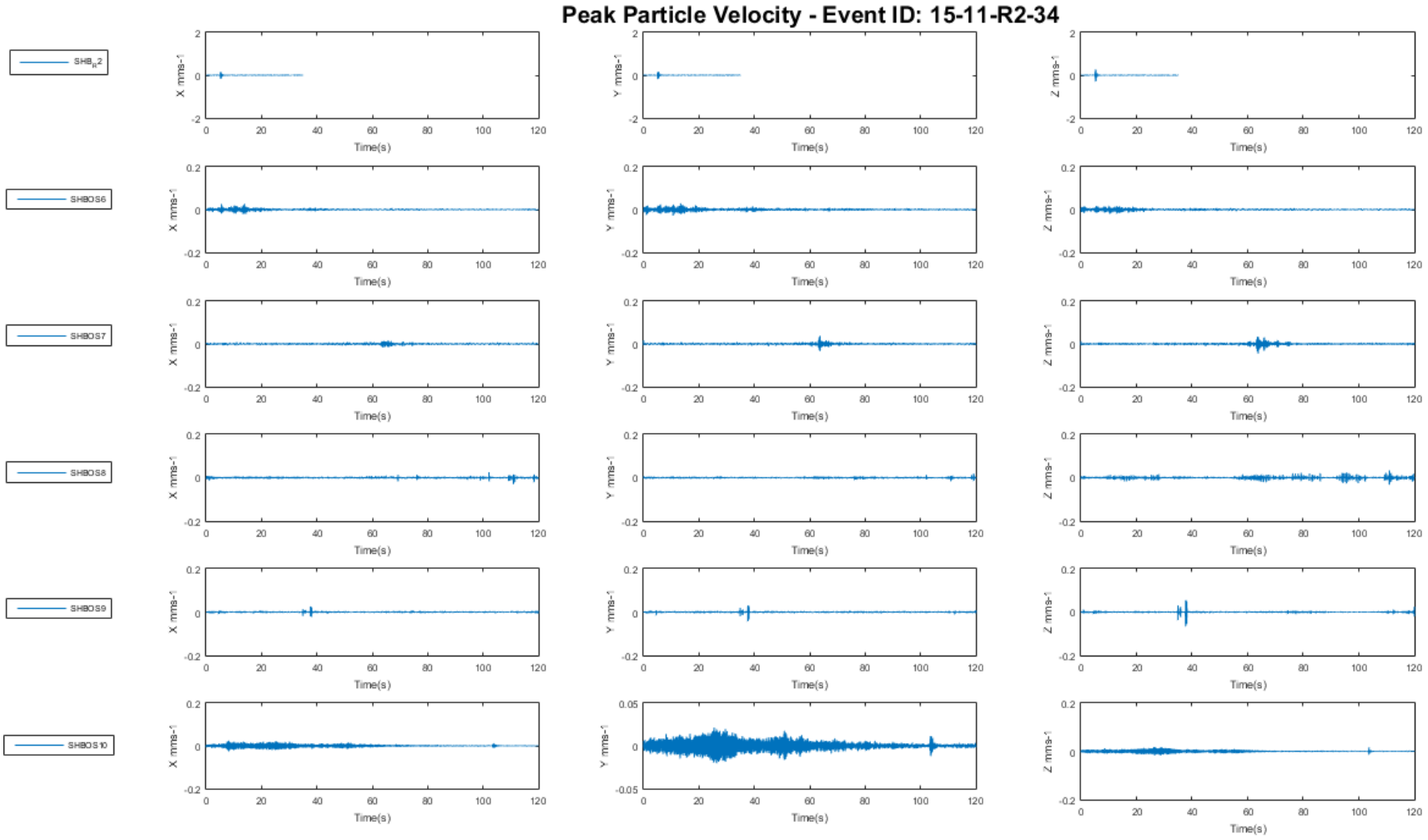


FIGURE 3.1610: SHB_OS 6 - 10 15-11-R2-34

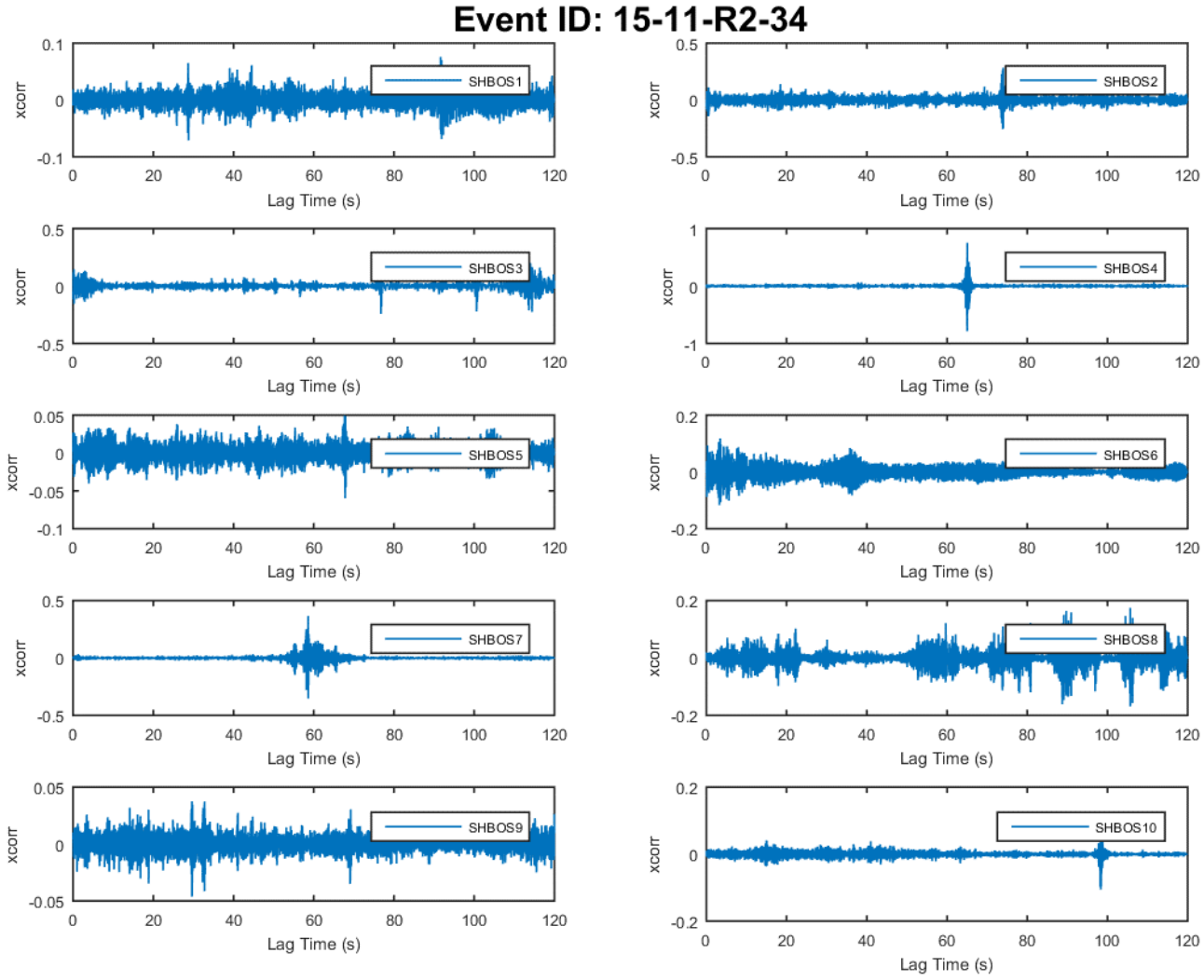


FIGURE 3.1611: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-34

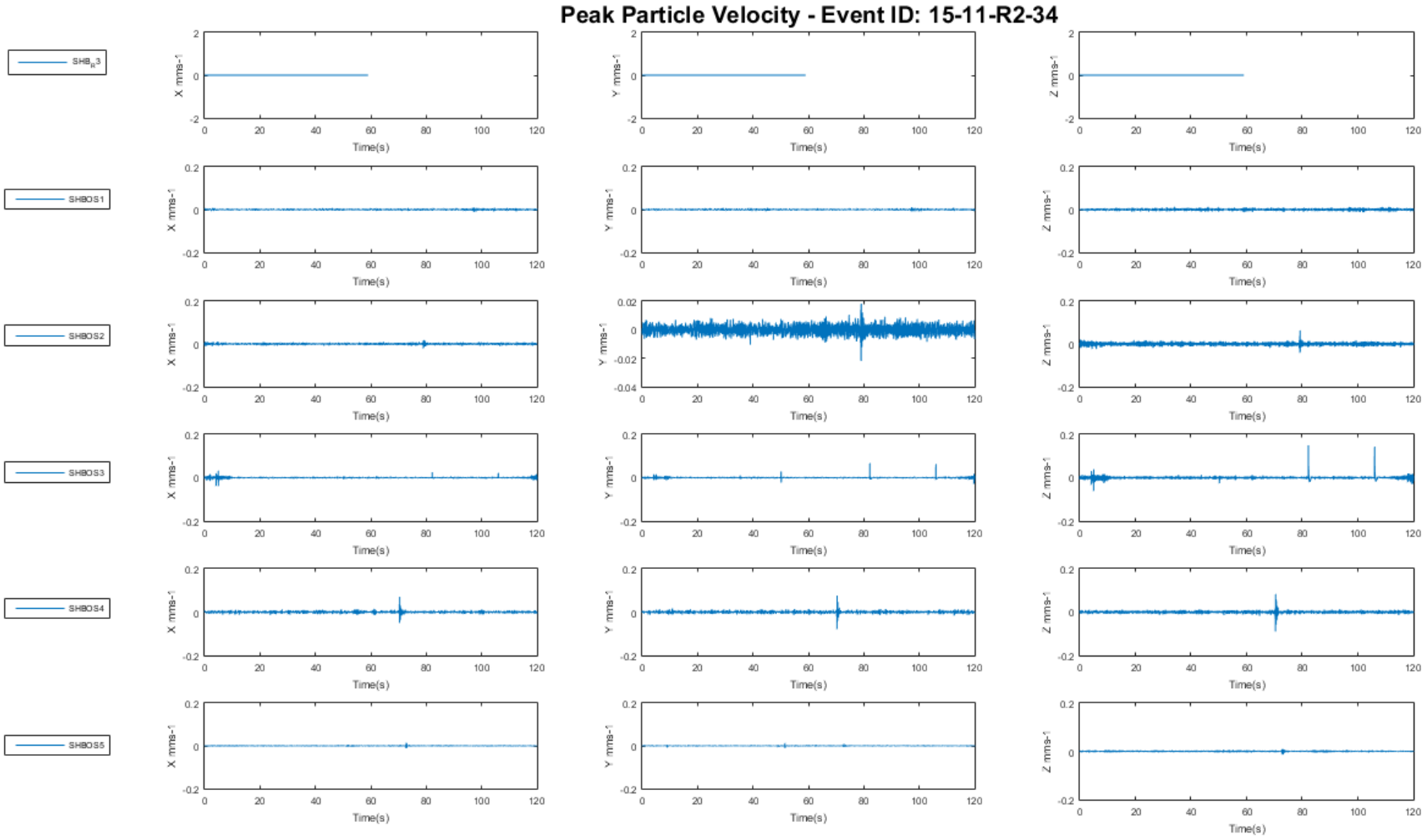


FIGURE 3.1612: SHB_OS 1 - 5 15-11-R2-34

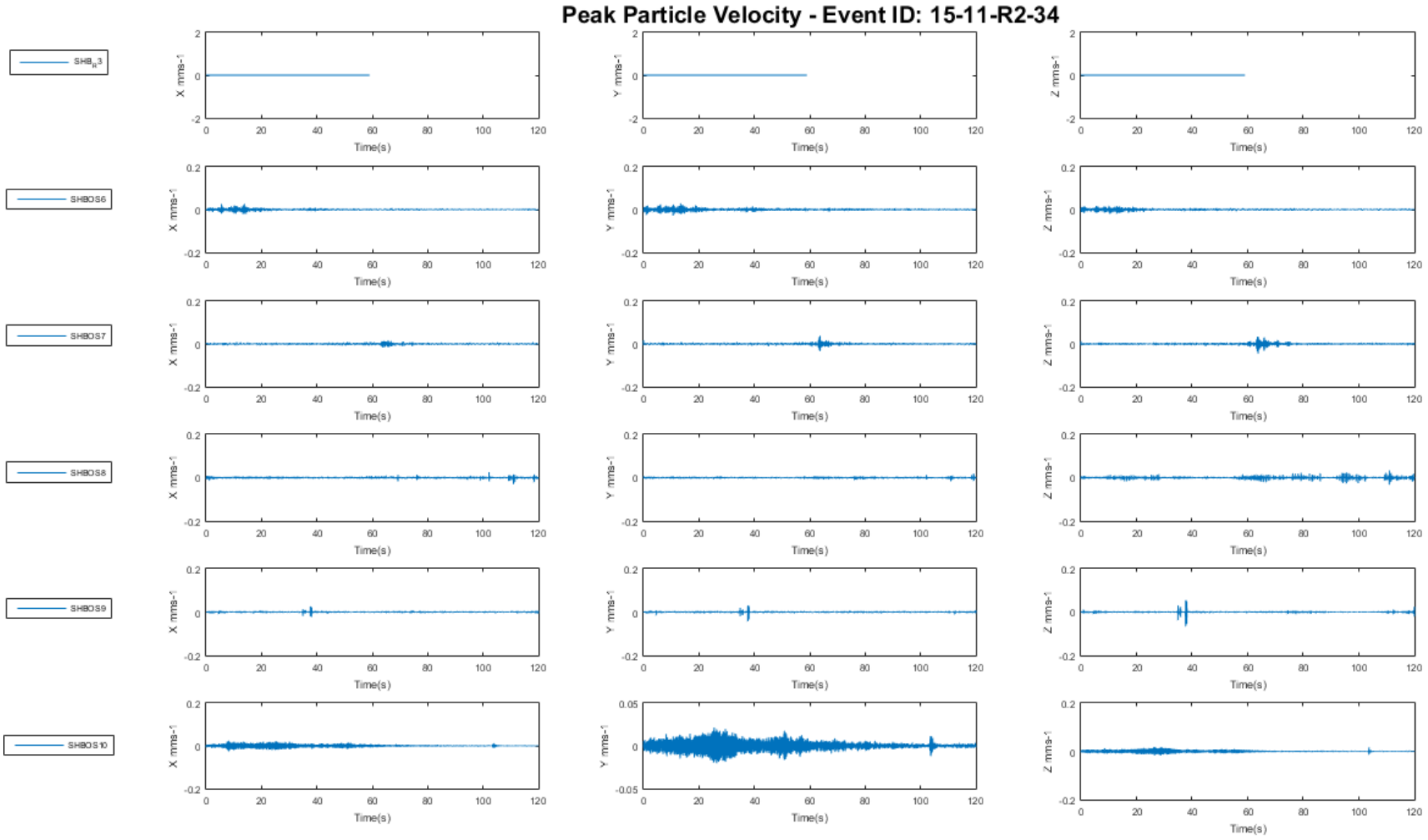


FIGURE 3.1613: SHB_OS 6 - 10 15-11-R2-34

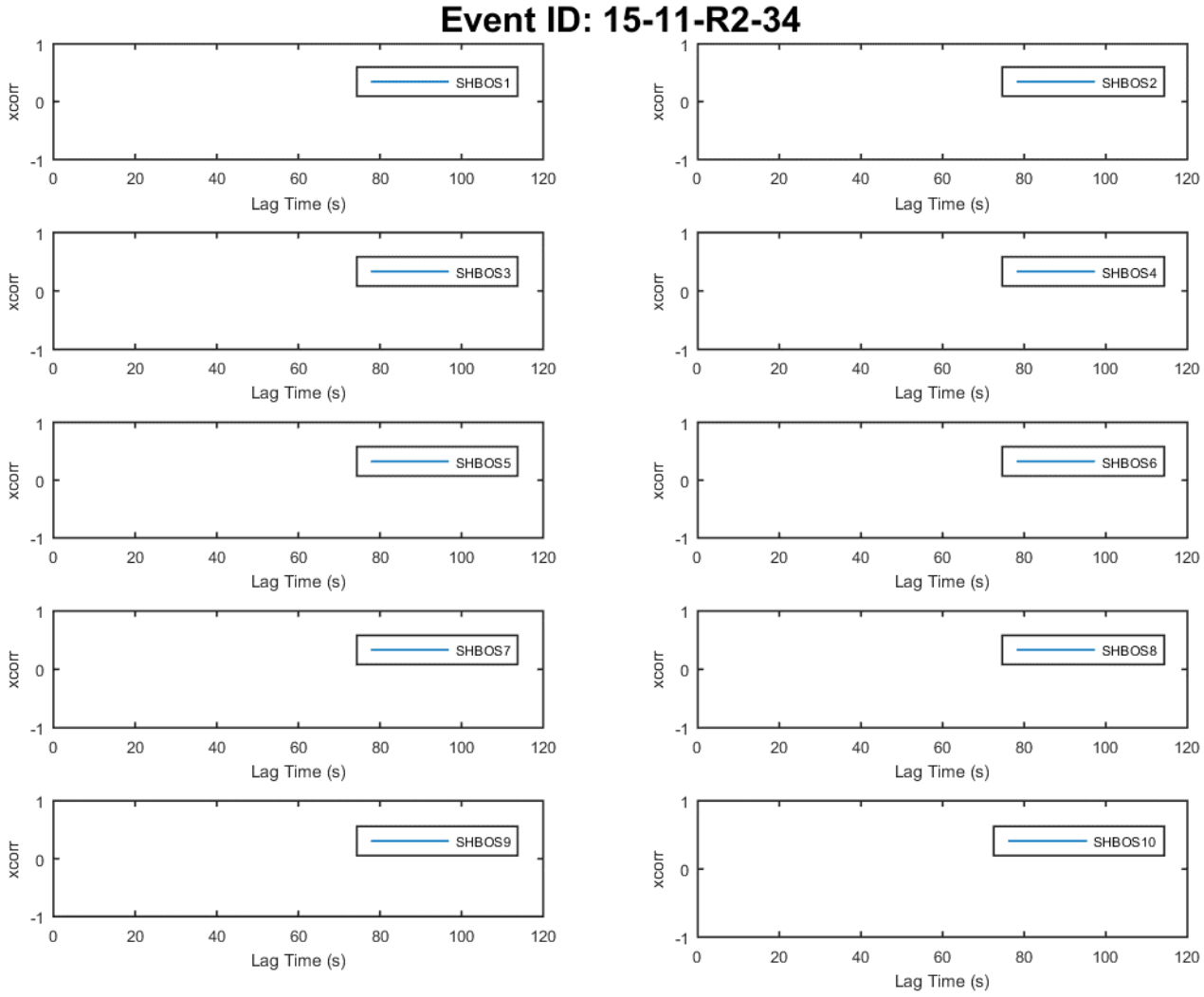


FIGURE 3.1614: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-34

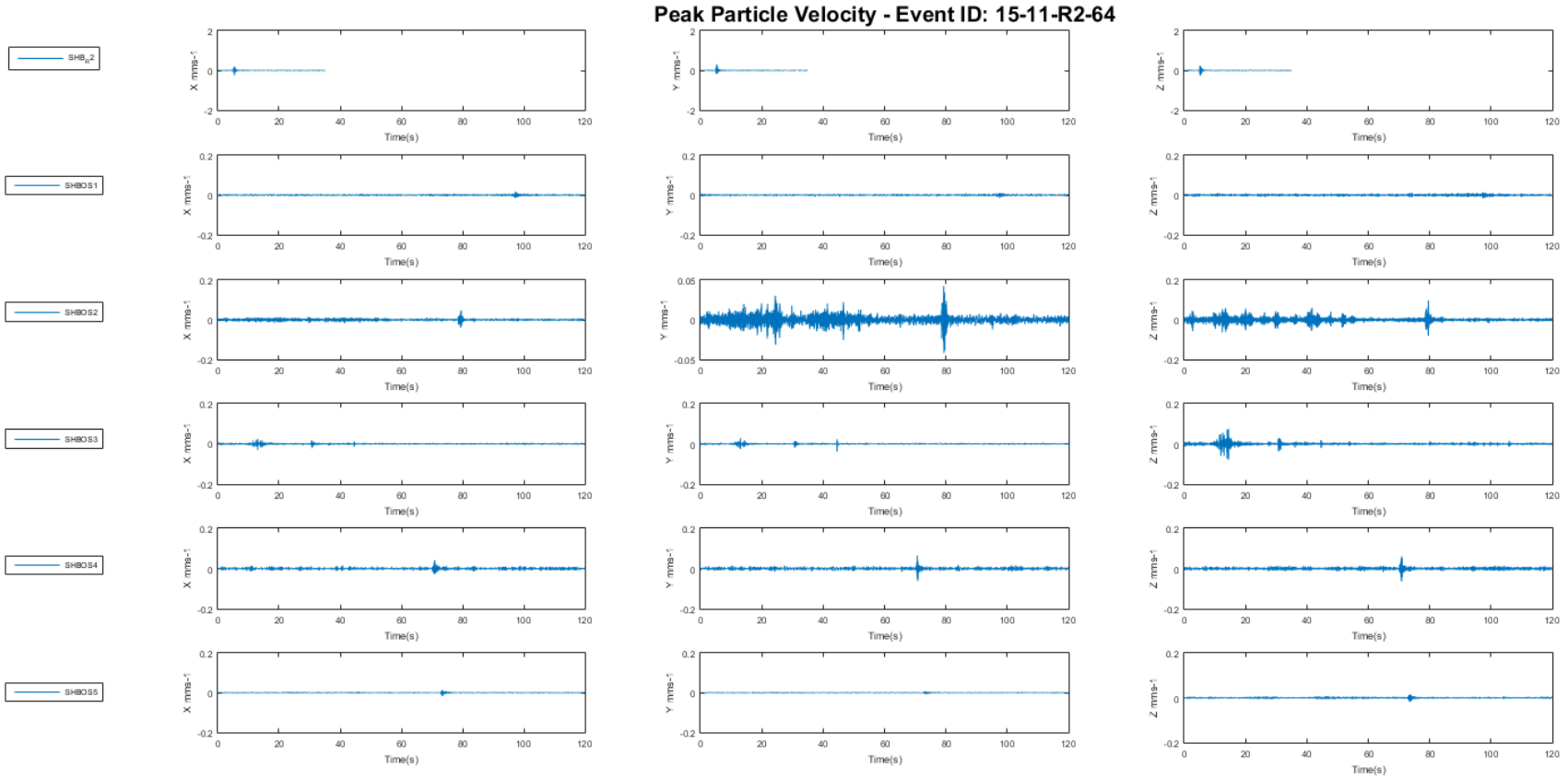


FIGURE 3.1615: SHB_OS 1 - 5 15-11-R2-64

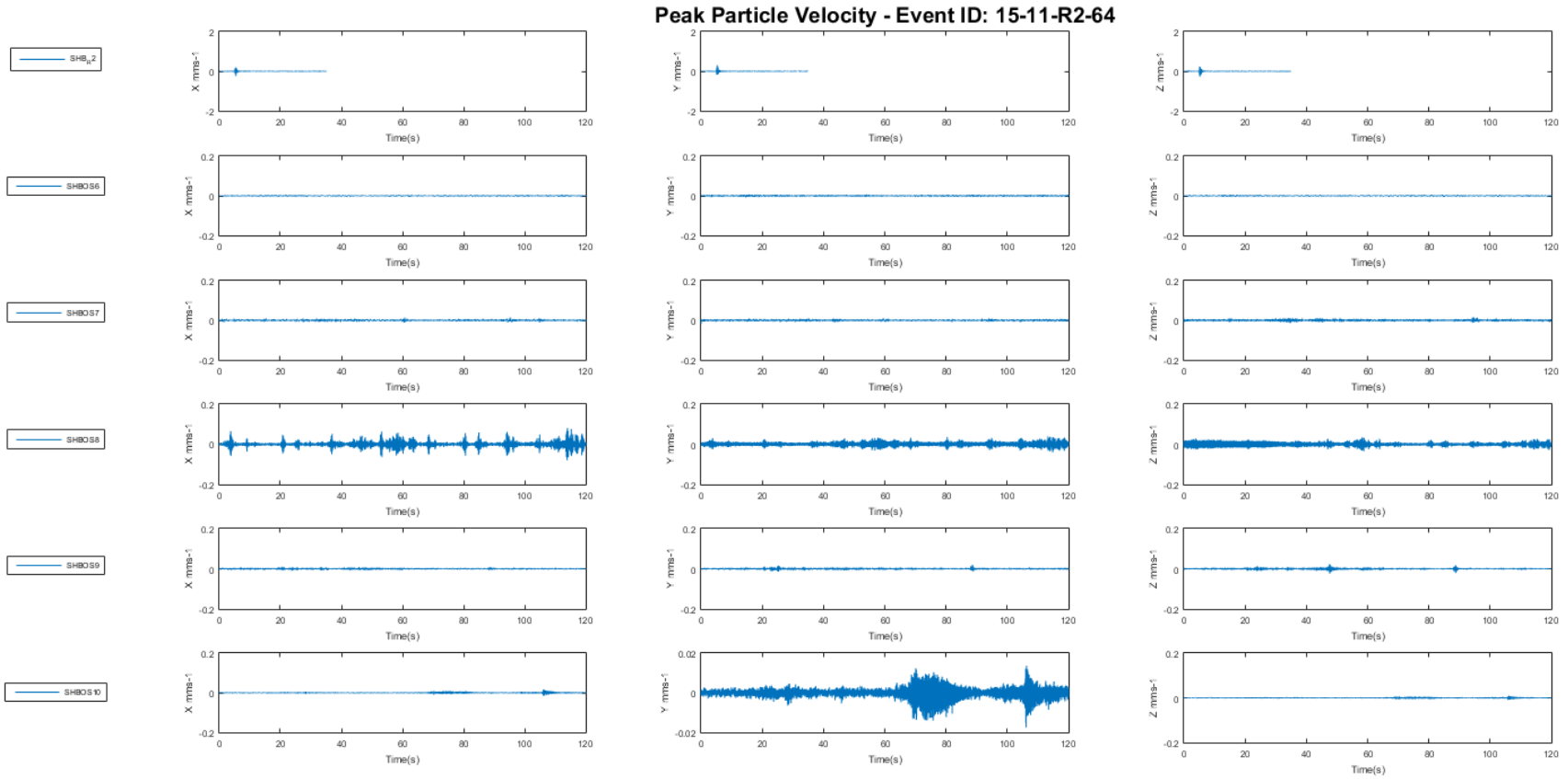


FIGURE 3.1616: SHB_OS 6 - 10 15-11-R2-64

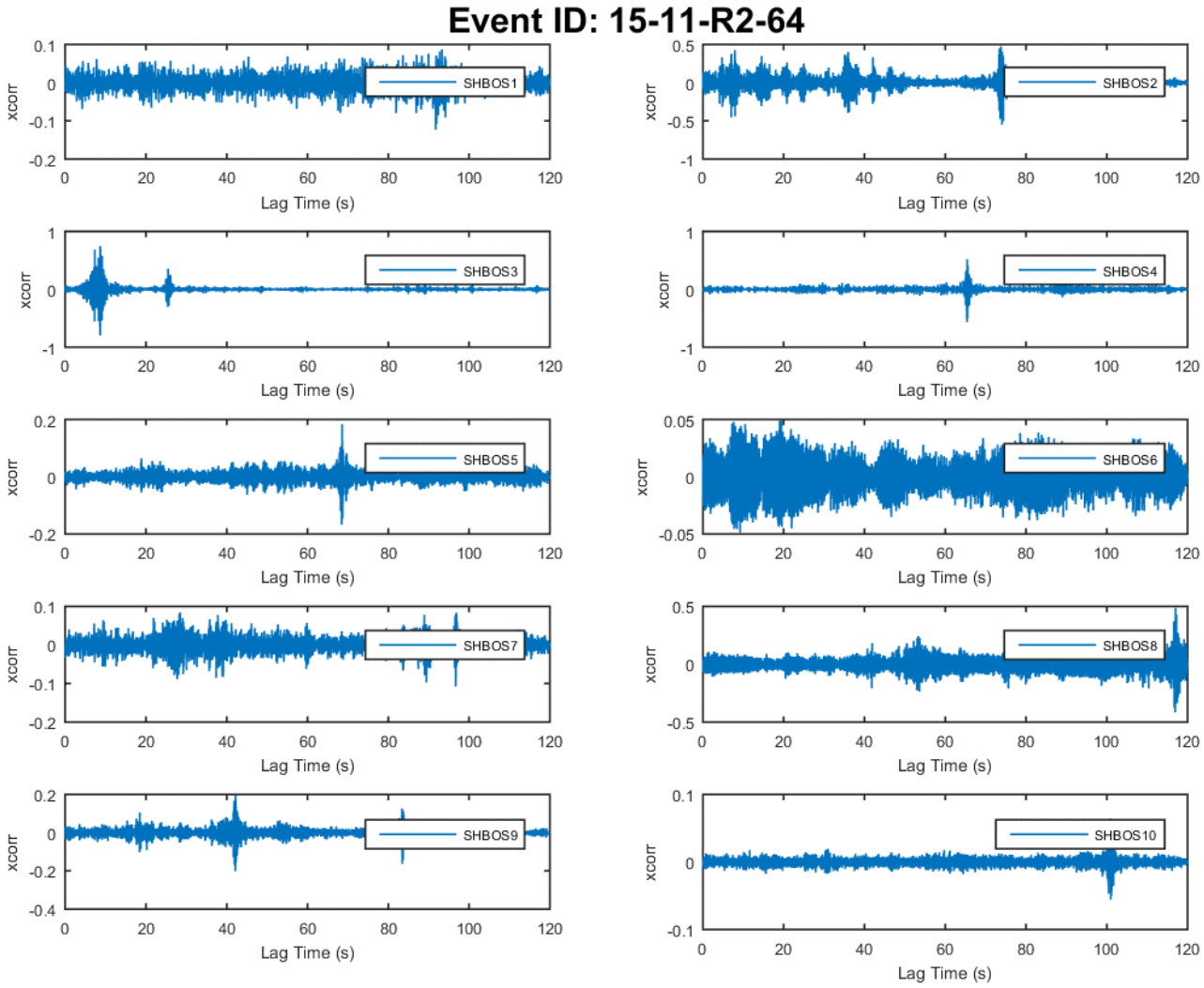


FIGURE 3.1617: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-64

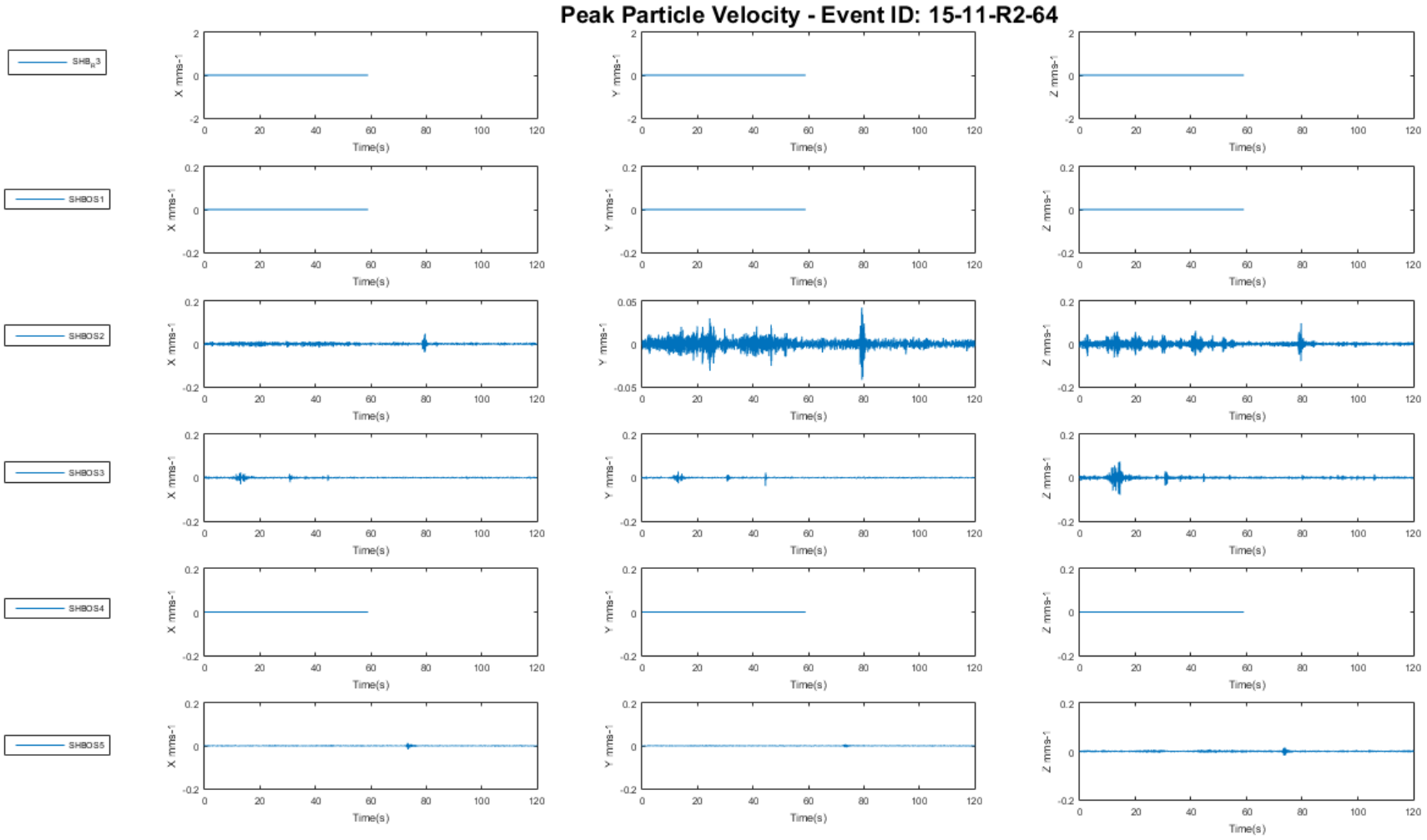


FIGURE 3.1618: SHB_OS 1 - 5 15-11-R2-64

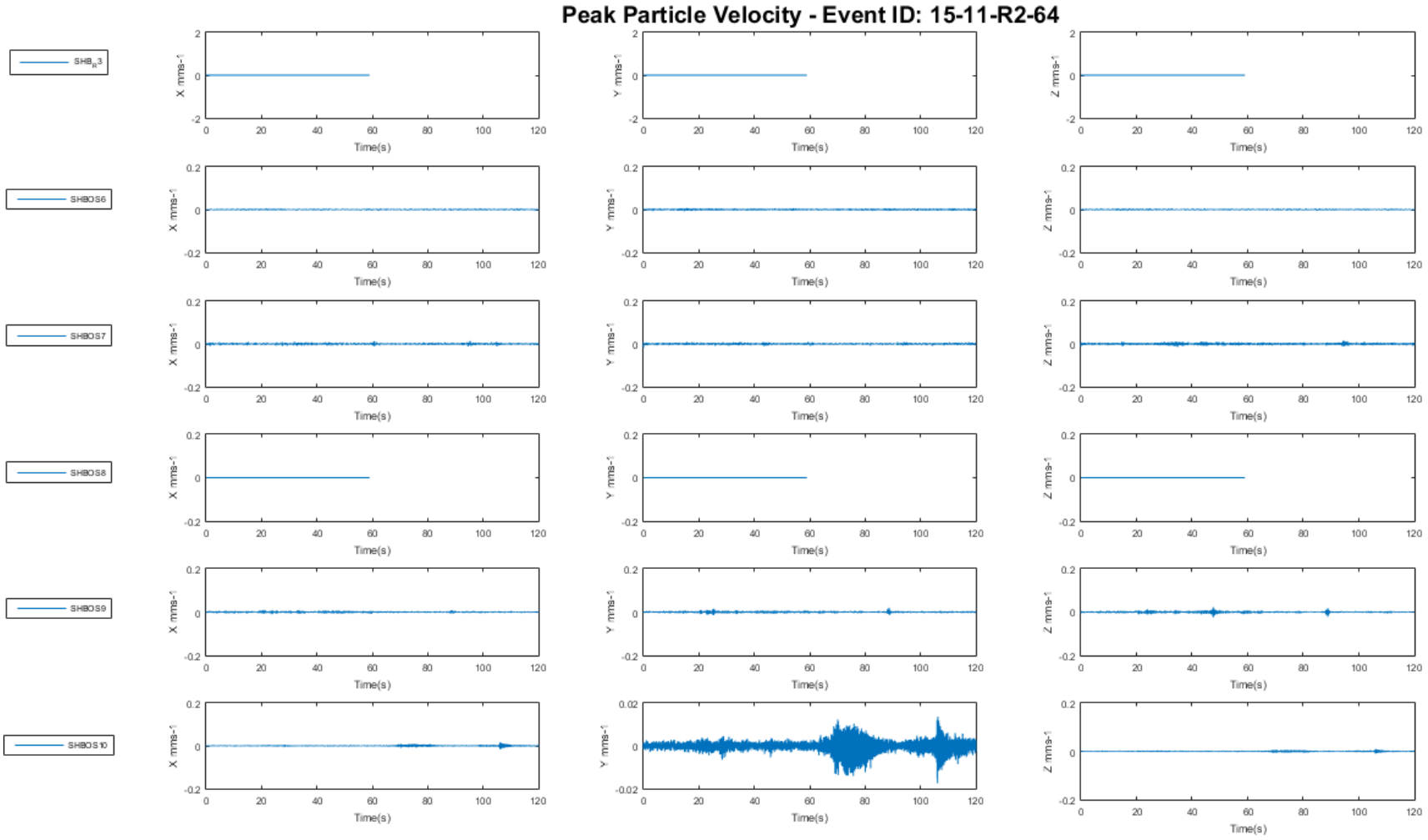


FIGURE 3.1619: SHB_OS 6 - 10 15-11-R2-64

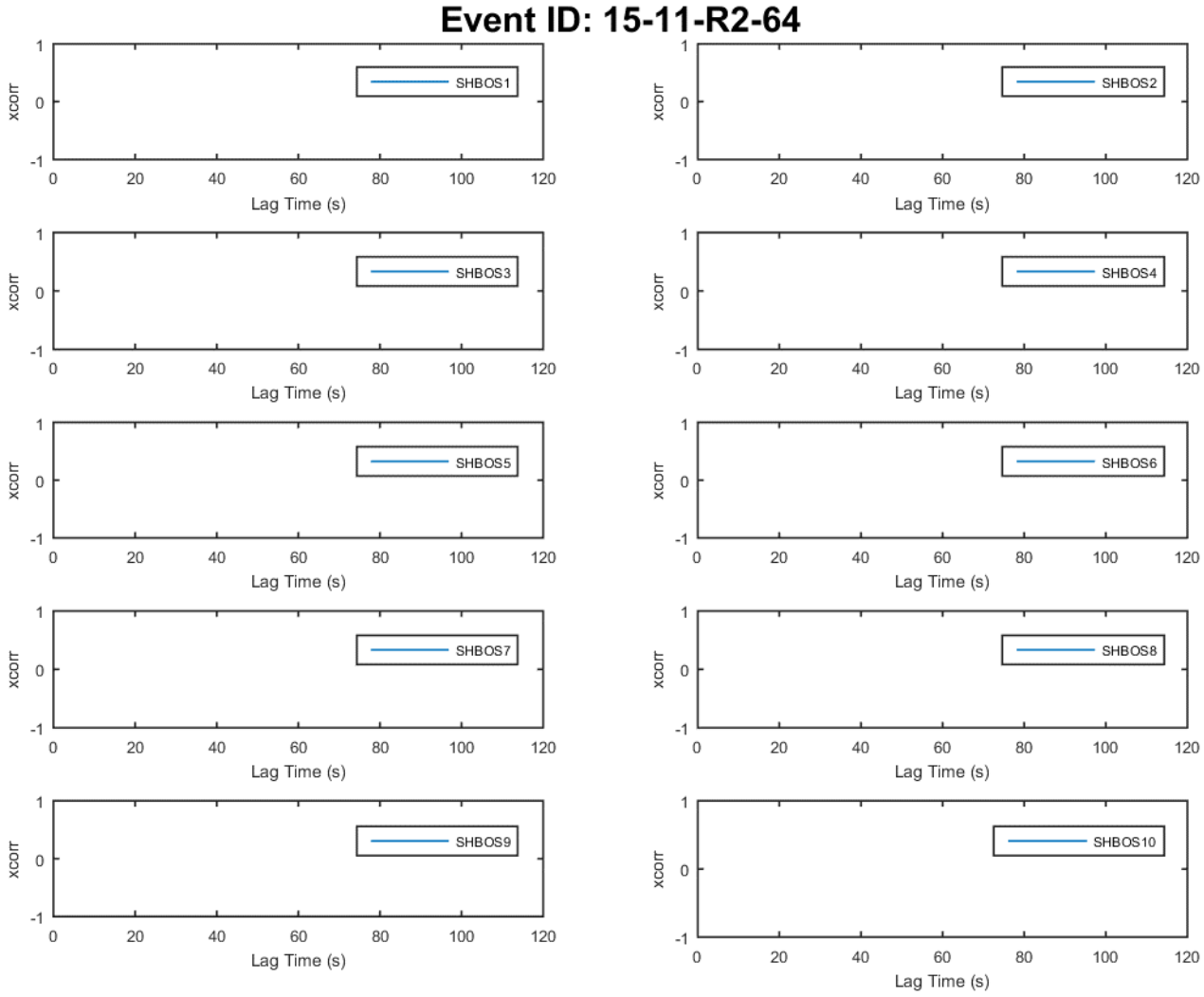


FIGURE 3.1620: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-64

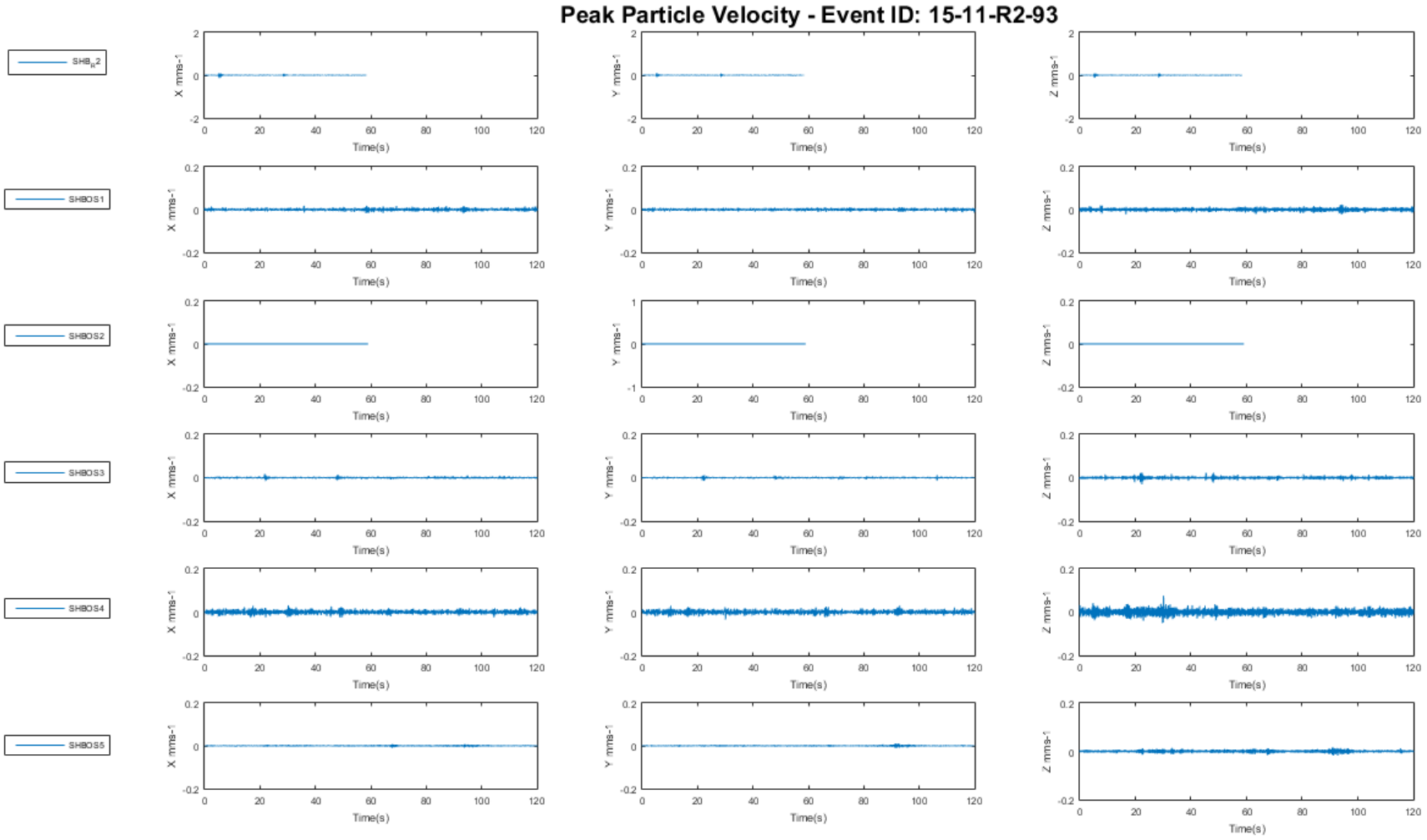


FIGURE 3.1621: SHB_OS 1 - 5 15-11-R2-93

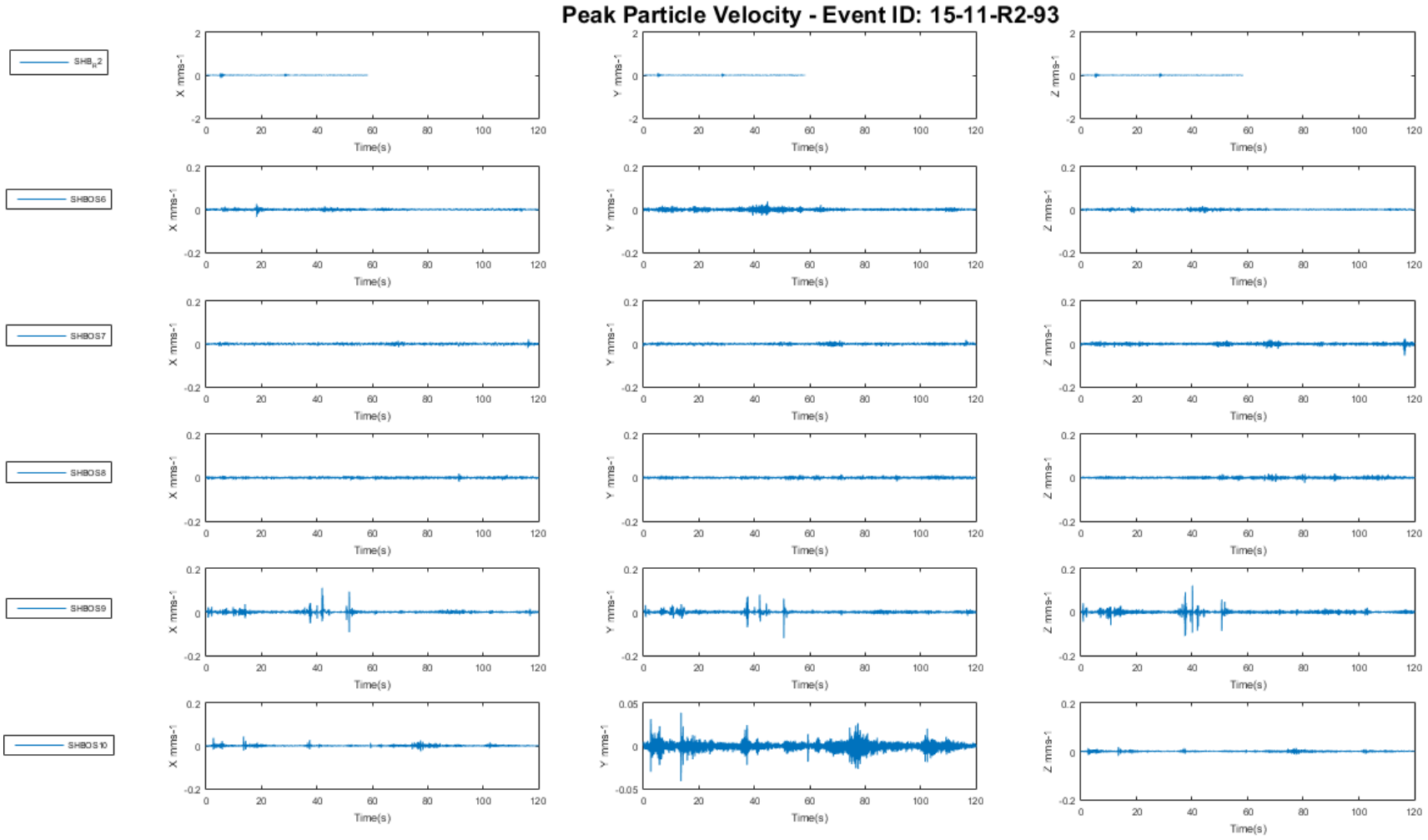


FIGURE 3.1622: SHB_OS 6 - 10 15-11-R2-93

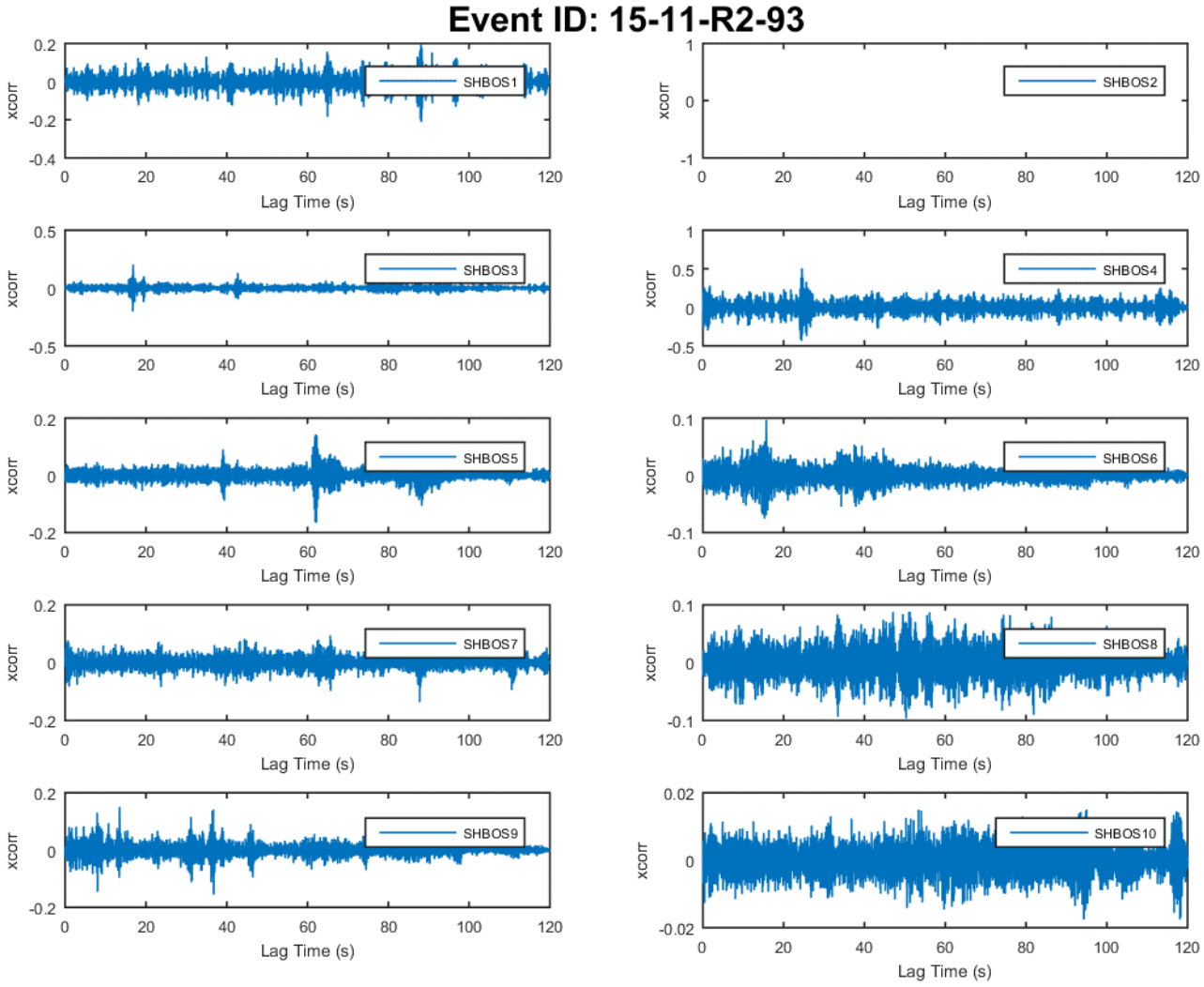


FIGURE 3.1623: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-93

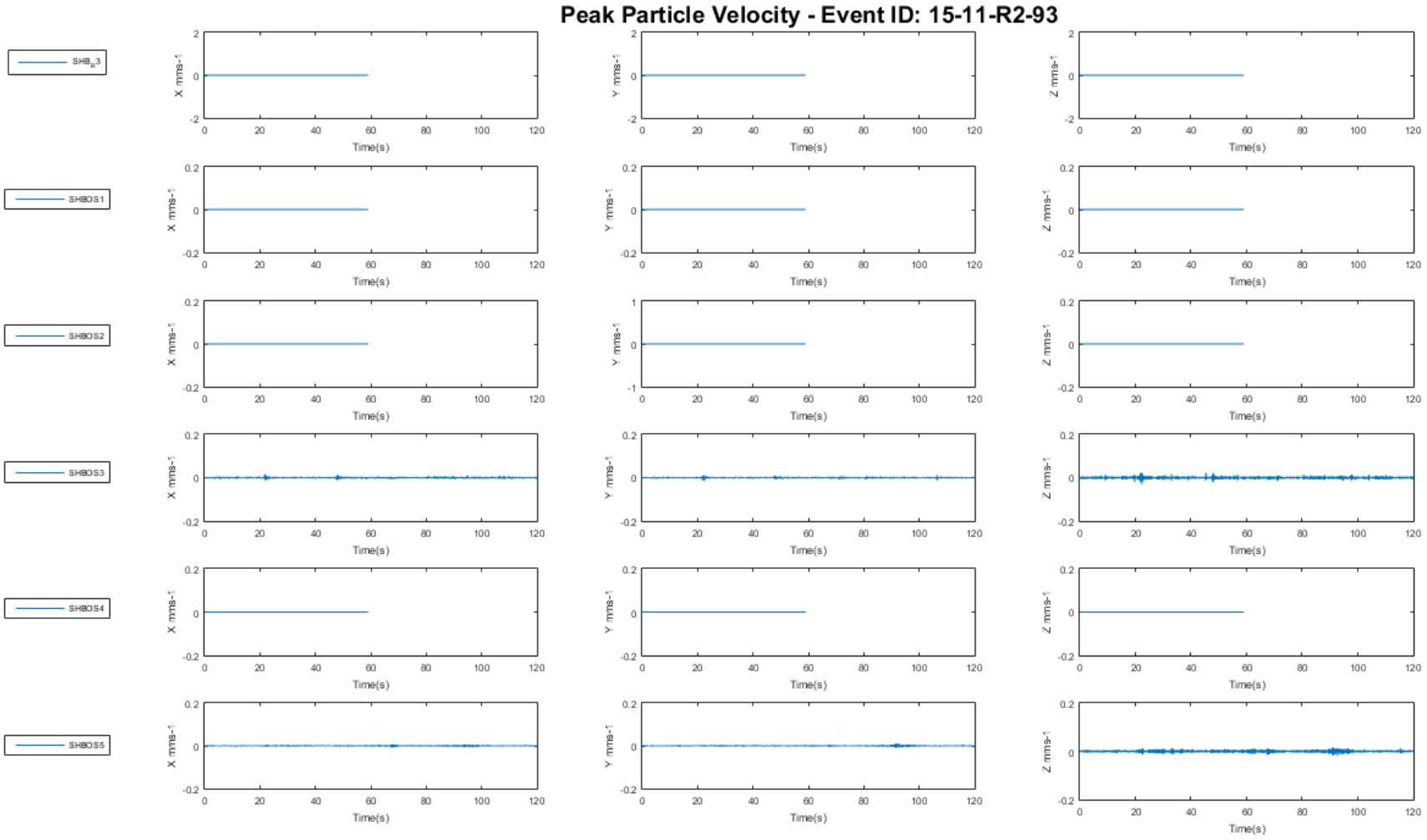


FIGURE 3.1624: SHB_OS 1 - 5 15-11-R2-93

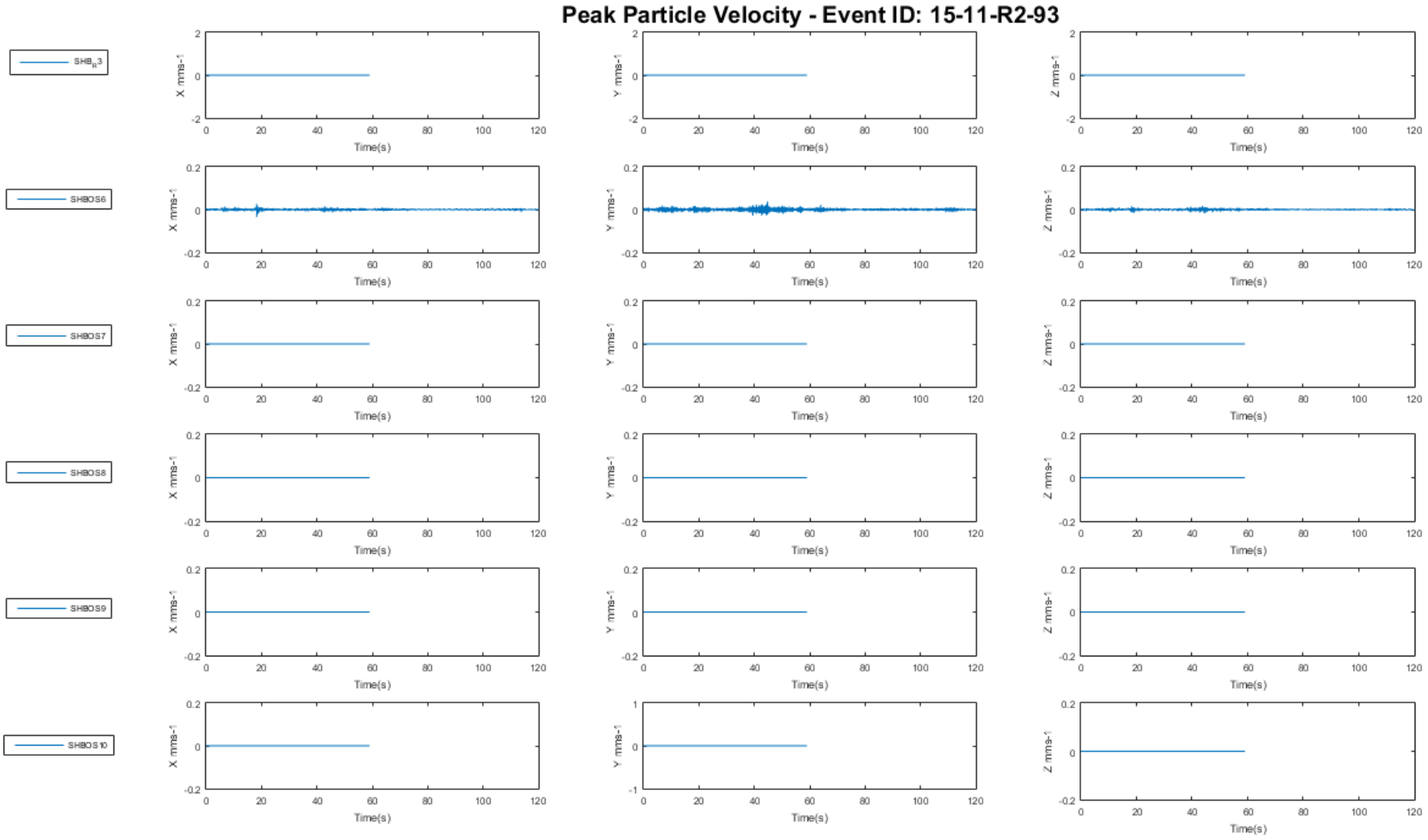


FIGURE 3.1625: SHB_OS 6 - 10 15-11-R2-93

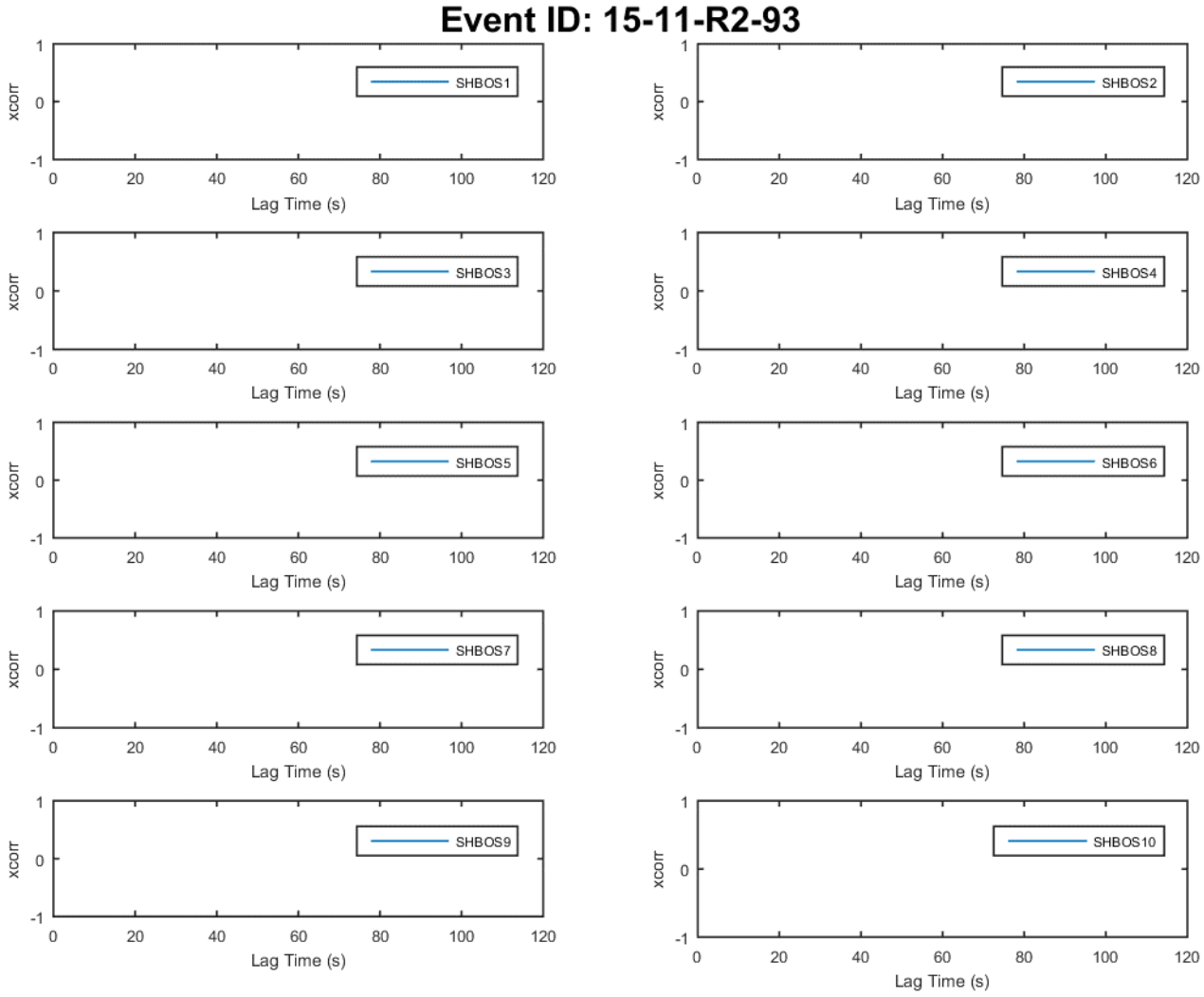


FIGURE 3.1626: CROSS CORRELATION SHB_OS 1 - 10 15-11-R2-93

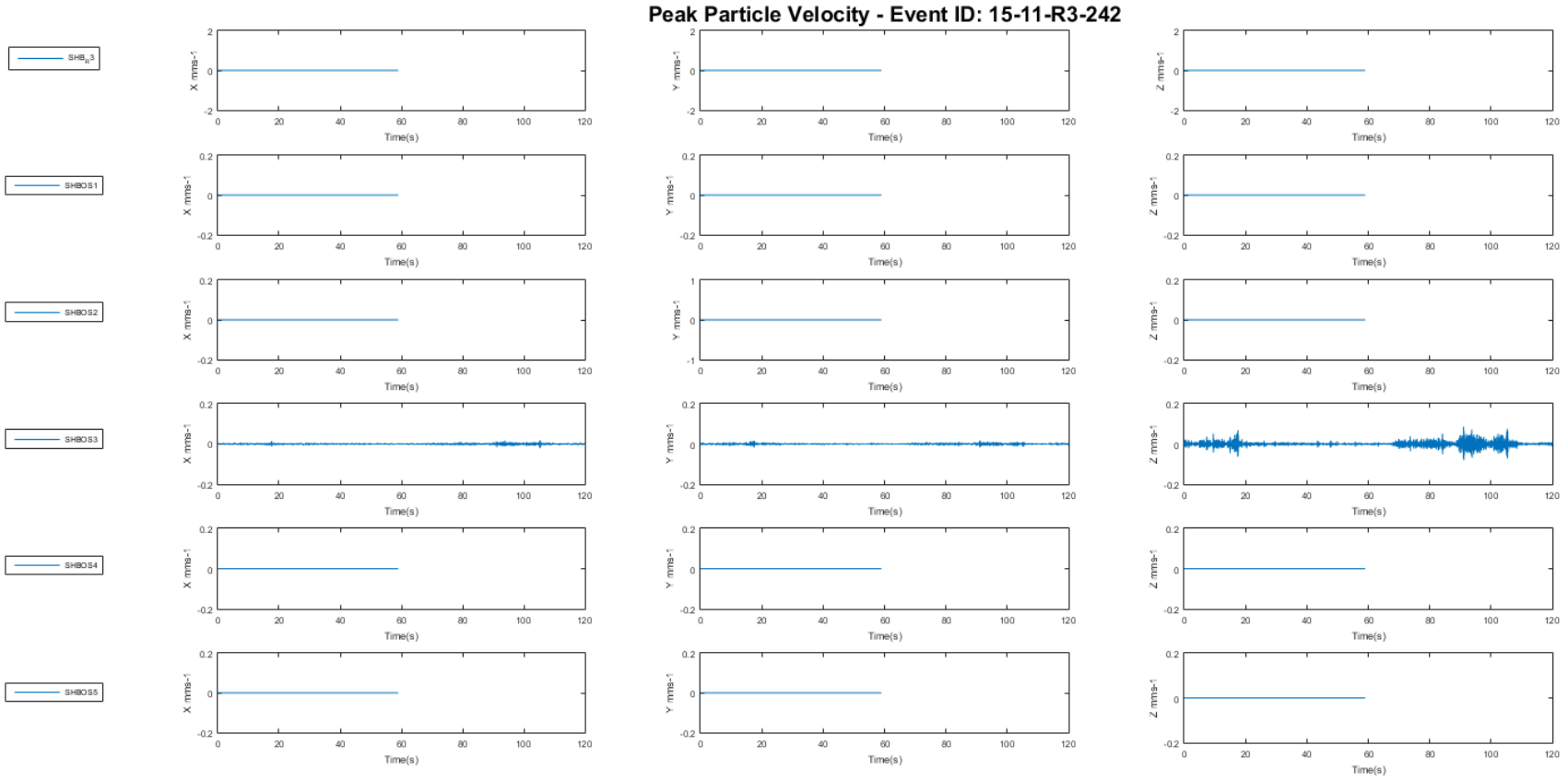


FIGURE 3.1627: SHB_OS 1 - 5 15-11-R3-242

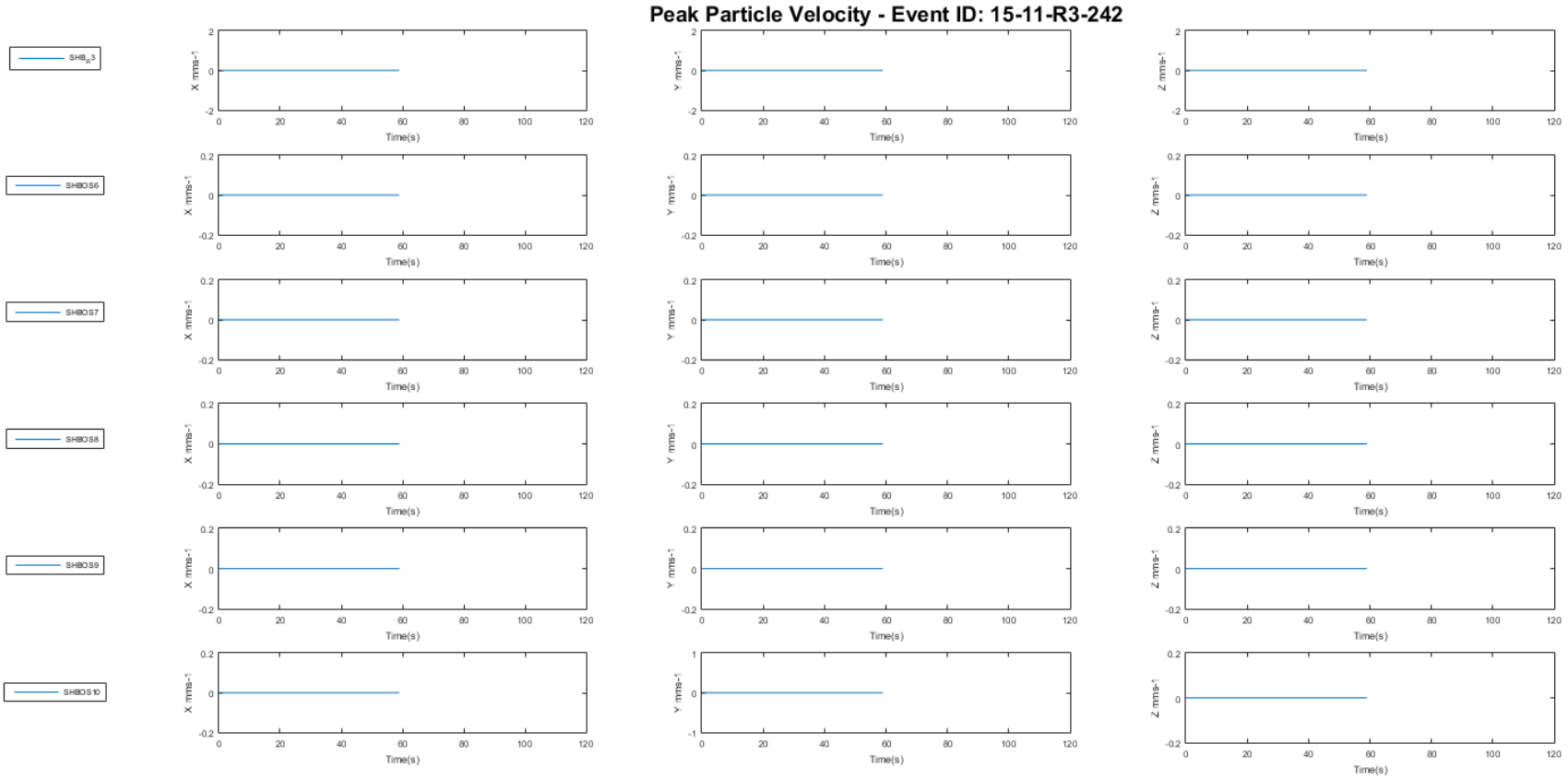


FIGURE 3.1628: SHB_OS 6 - 10 15-11-R3-242

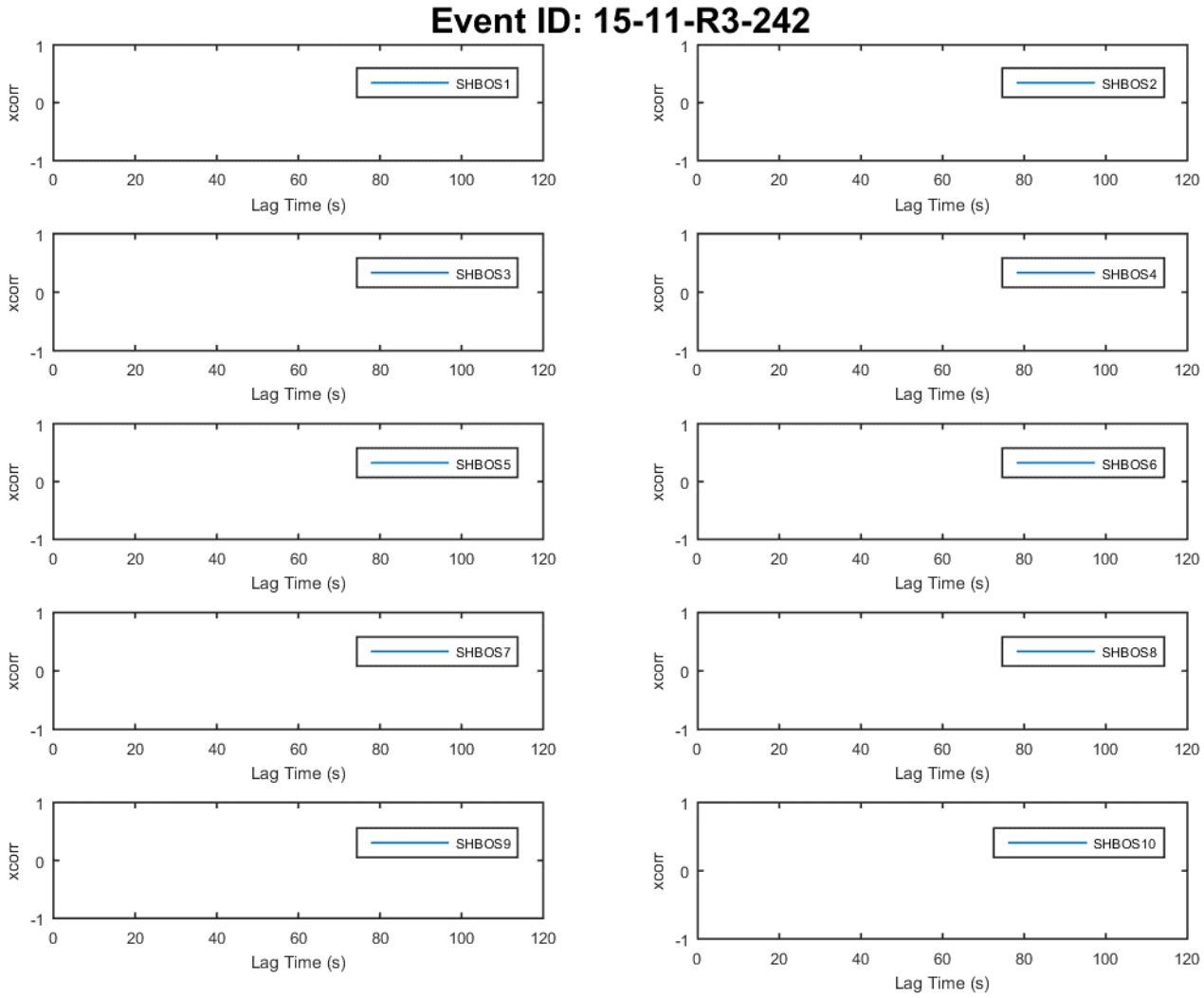


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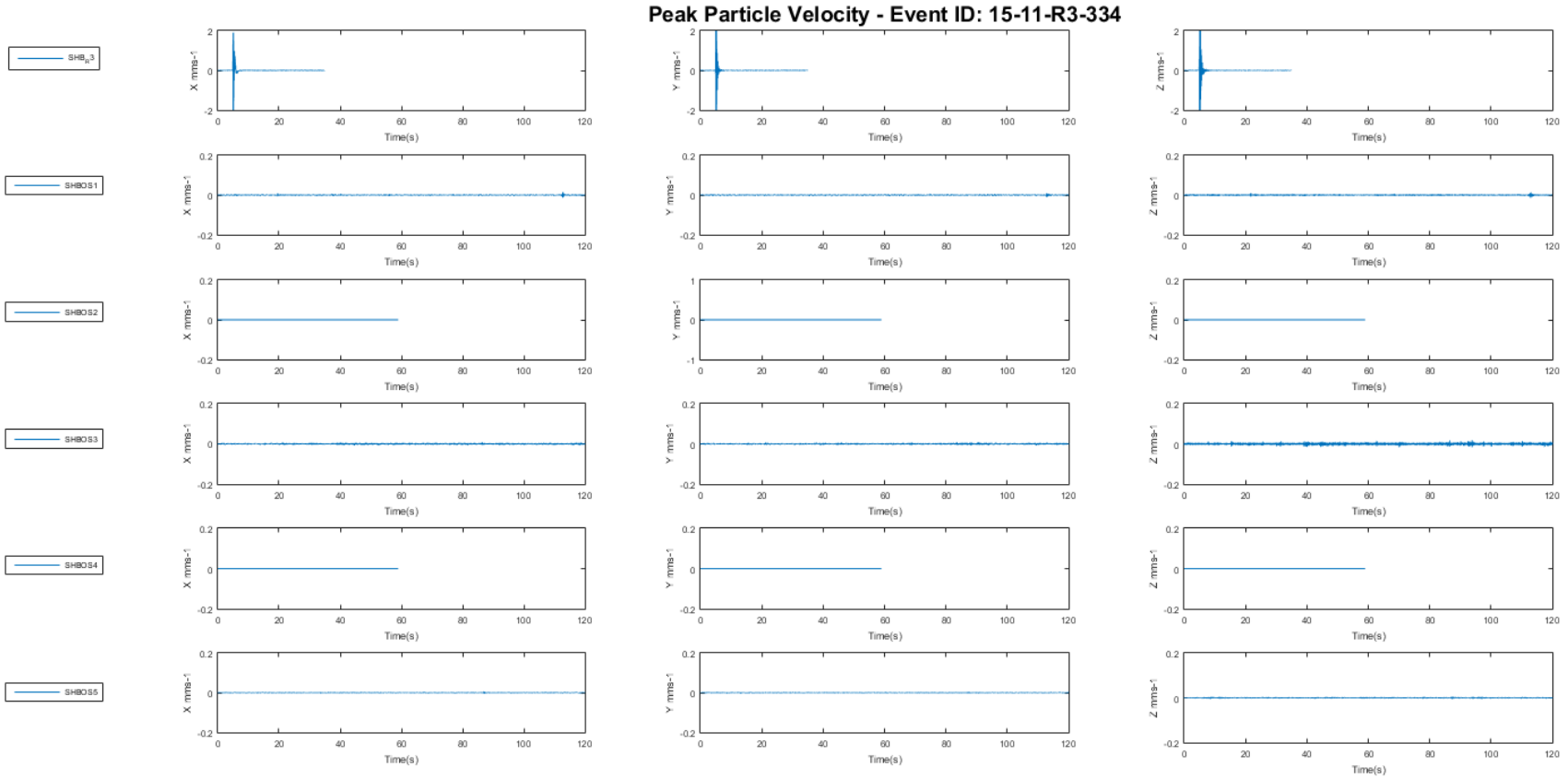


FIGURE 3.1630: SHB_OS 1 - 5 15-11-R3-334

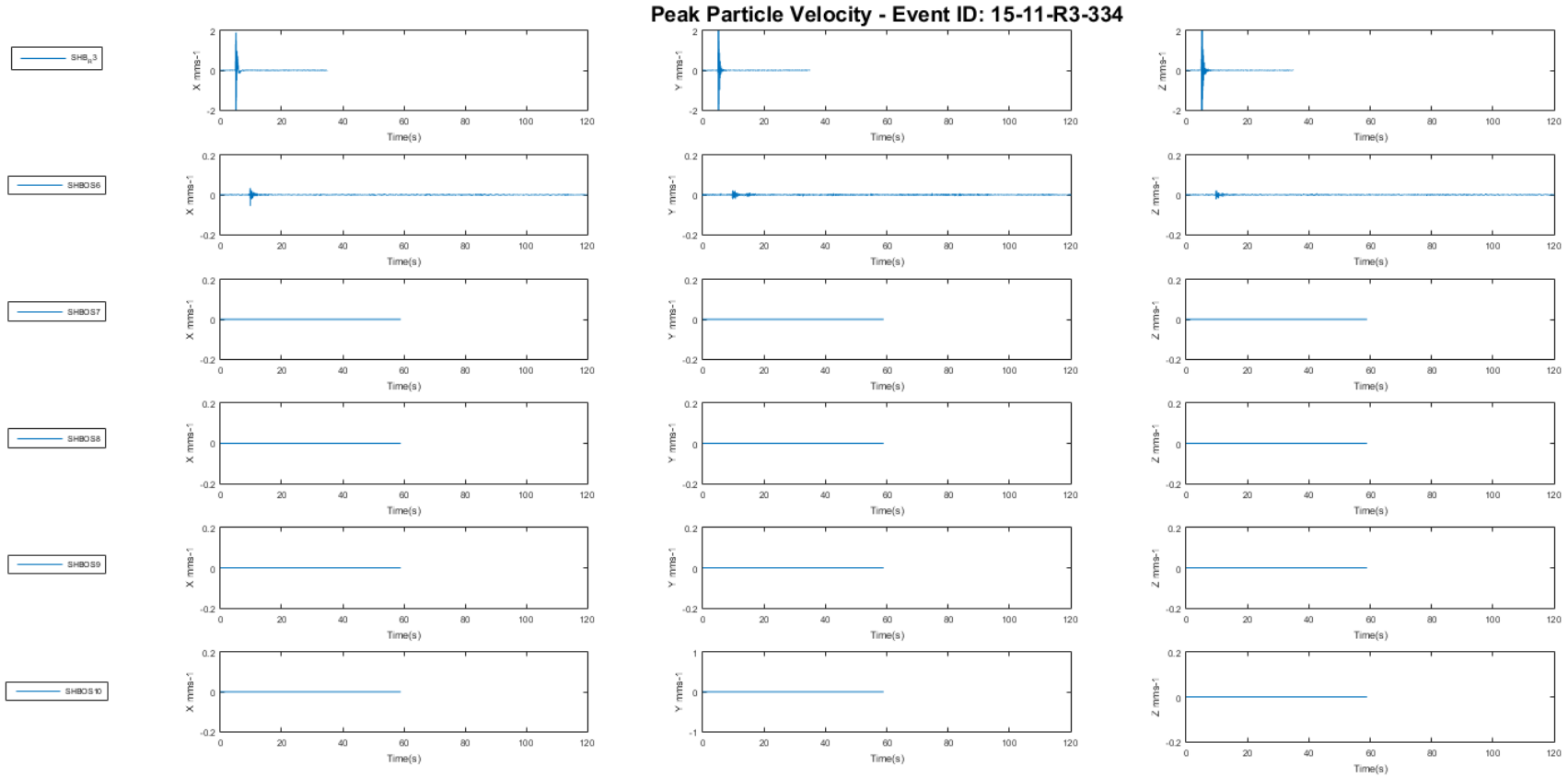


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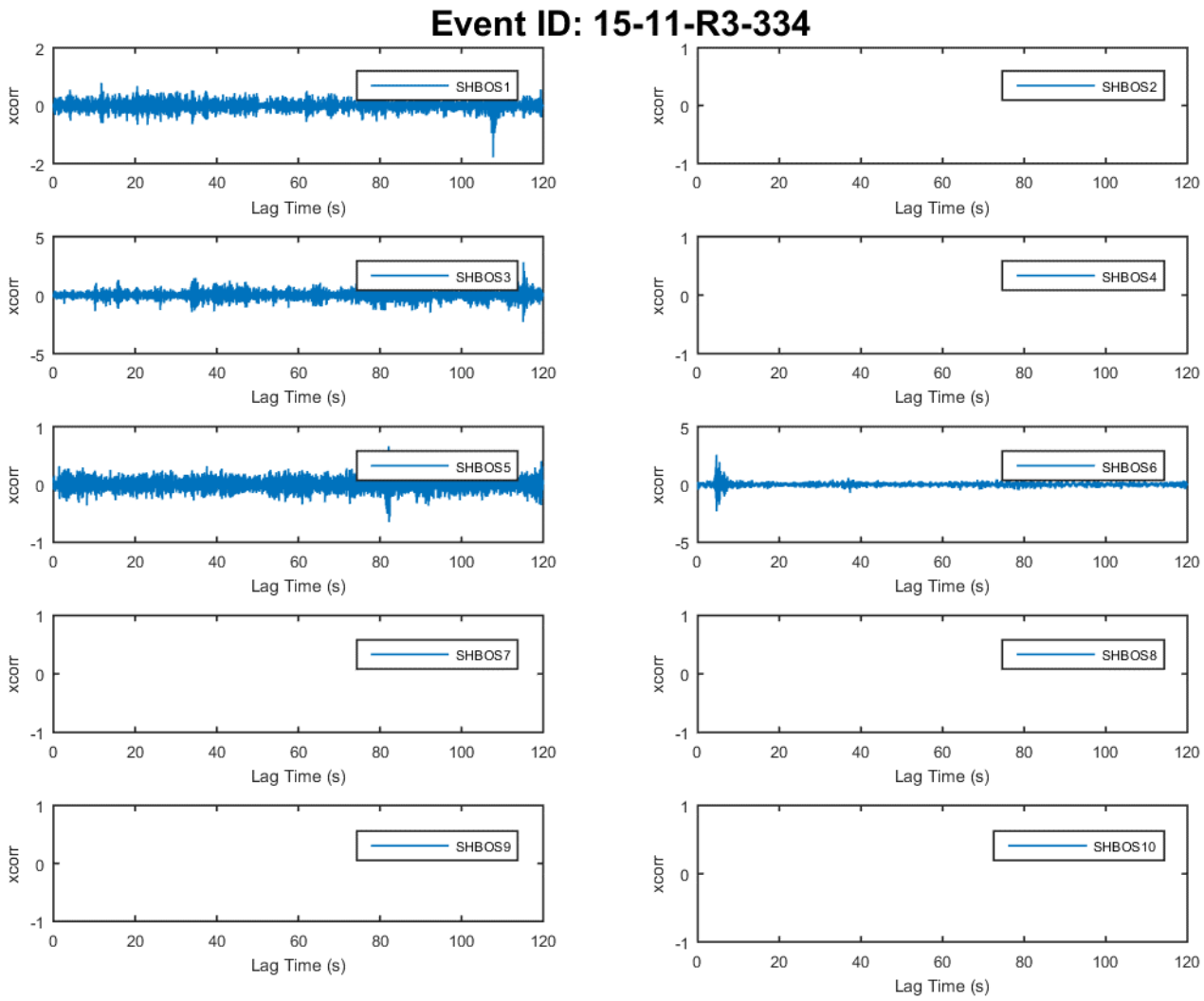


FIGURE 3.1632: CROSS CORRELATION SHB_OS 1 - 10 15-11-R3-334

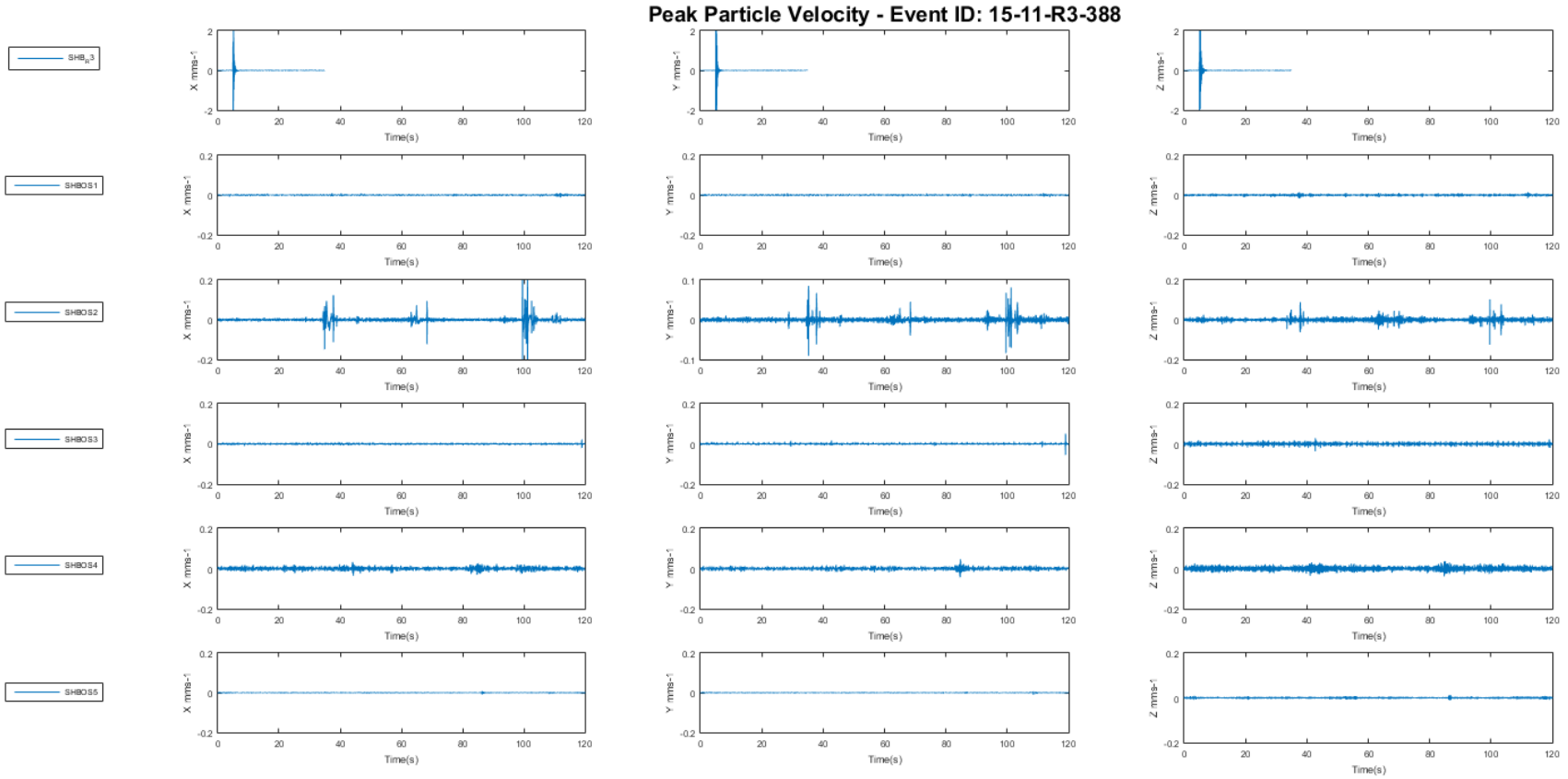


FIGURE 3.1633: SHB_OS 1 - 5 15-11-R3-388

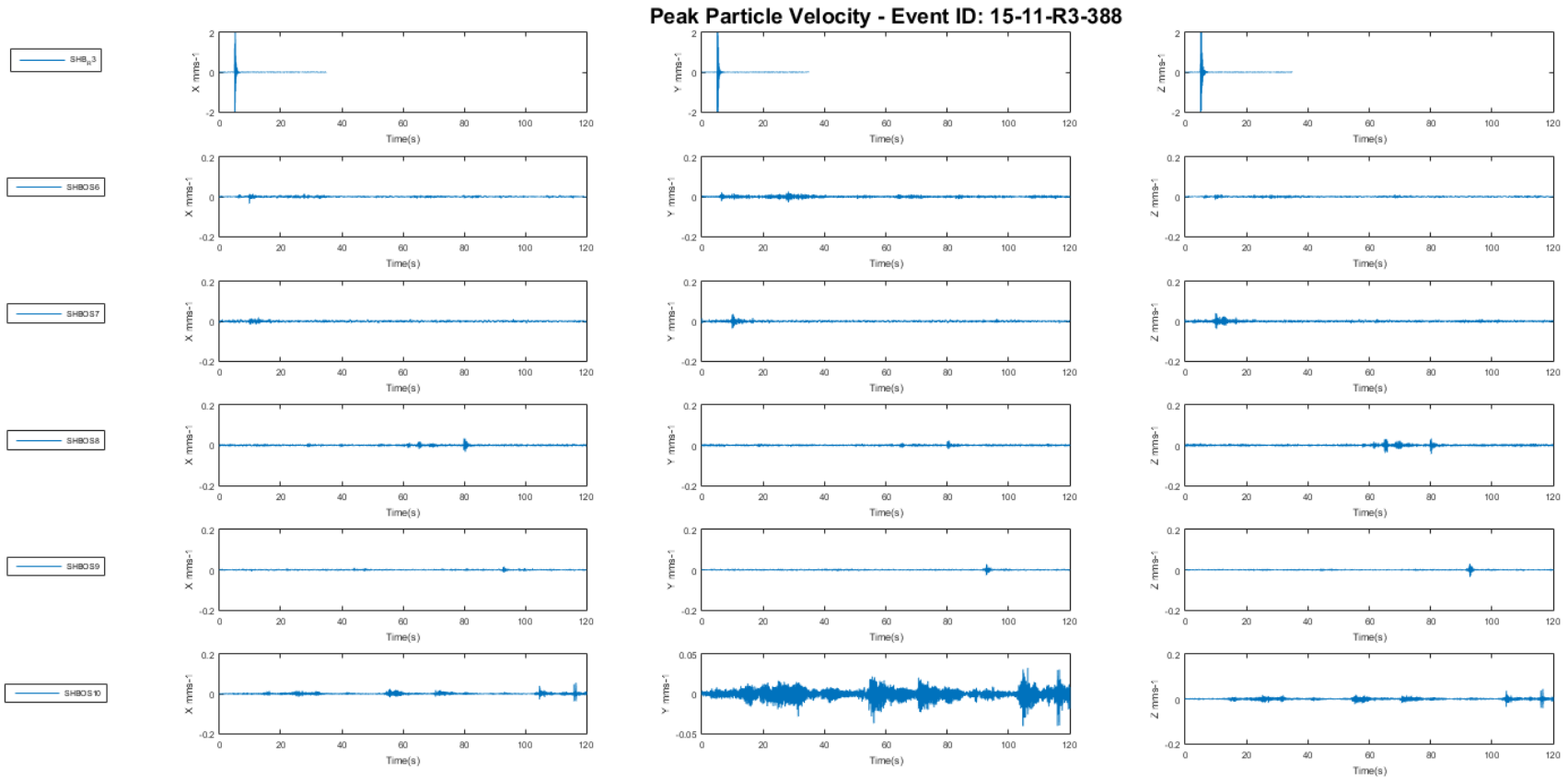


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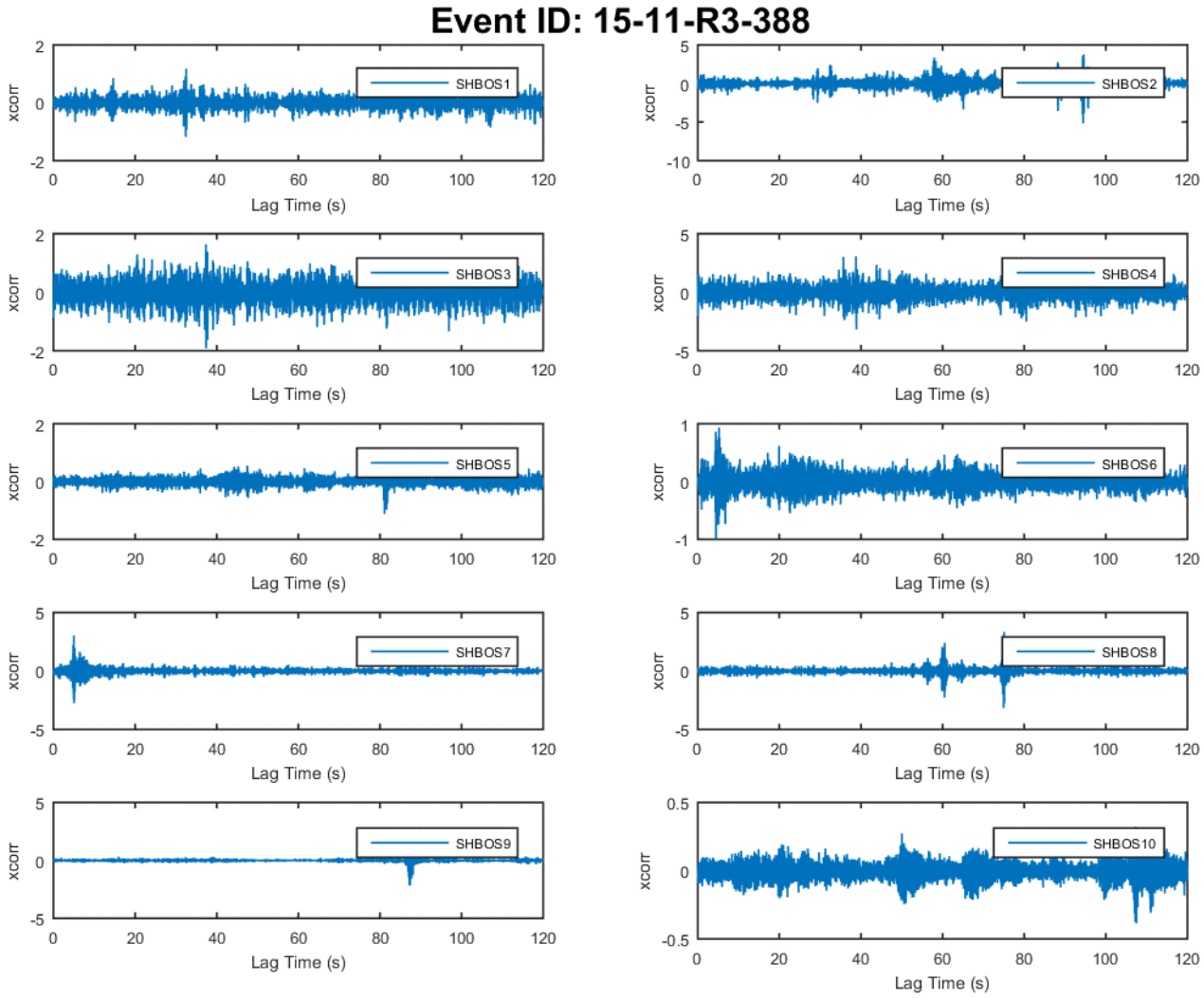


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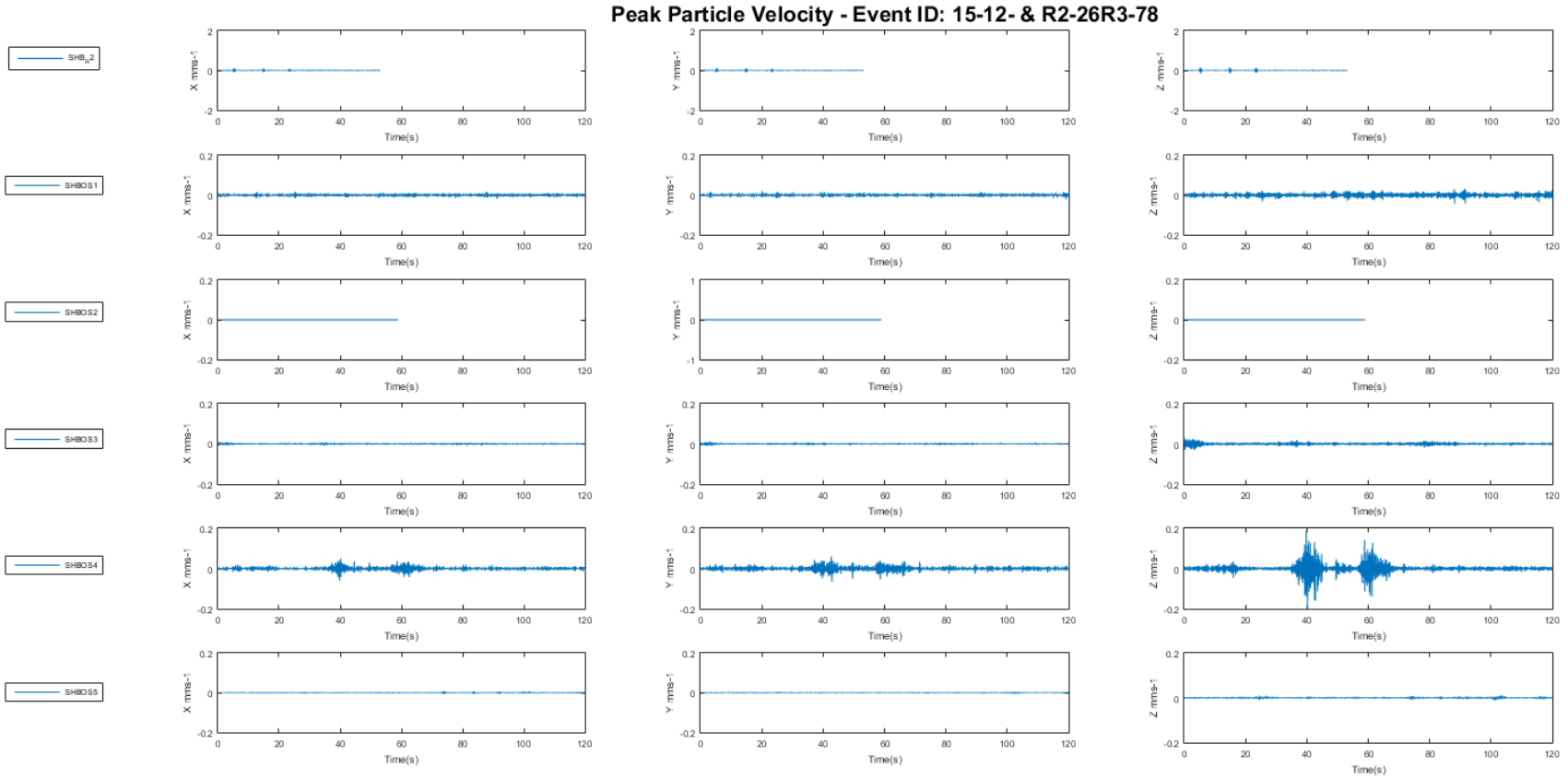


FIGURE 3.1636: SHB_OS 1 - 5 15-12- & R2-26R3-78

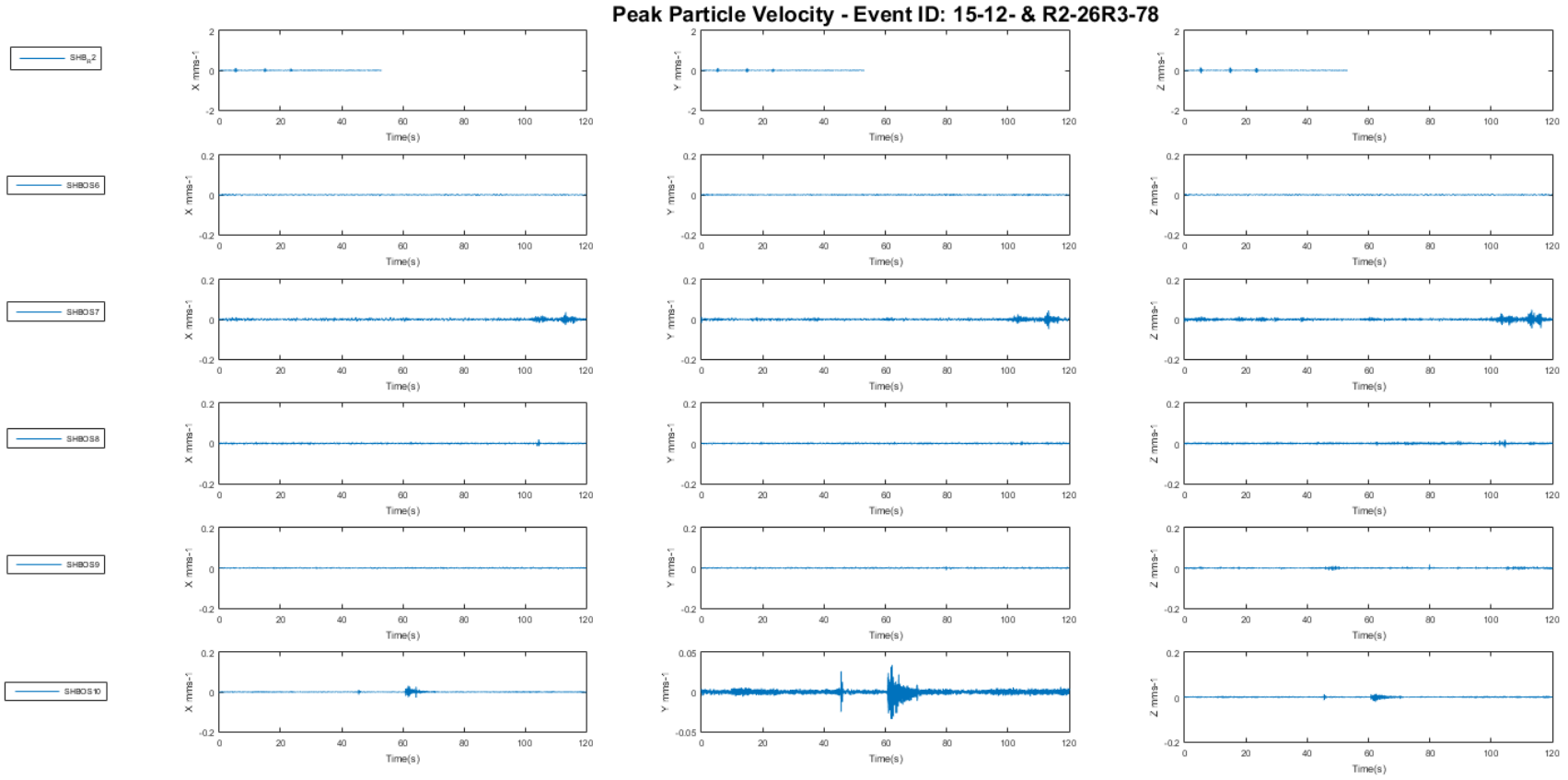


FIGURE 3.1637: SHB_OS 6 - 10 15-12- & R2-26R3-78

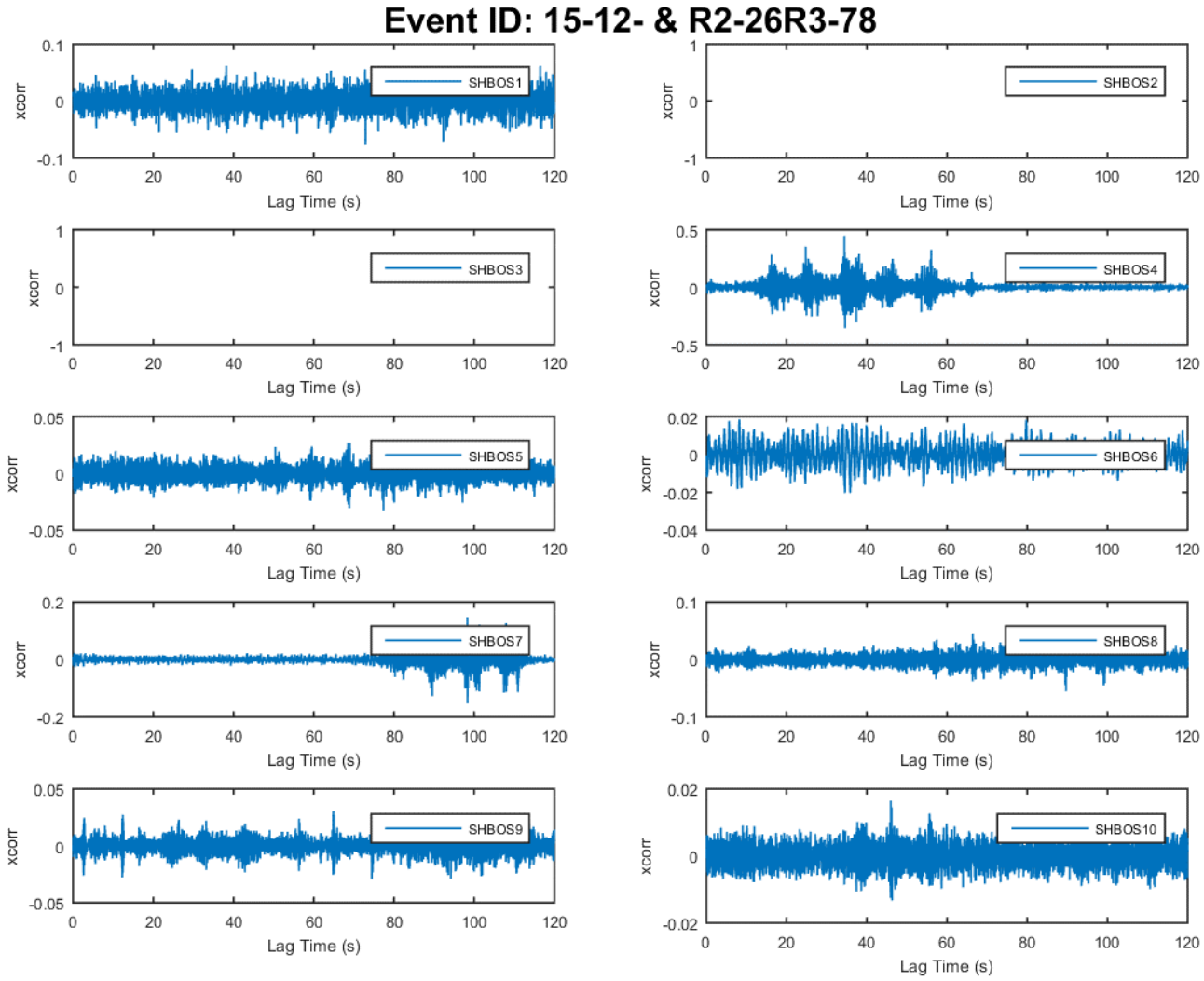


FIGURE 3.1638: CROSS CORRELATION SHB_OS 1 - 10 15-12- & R2-26R3-78

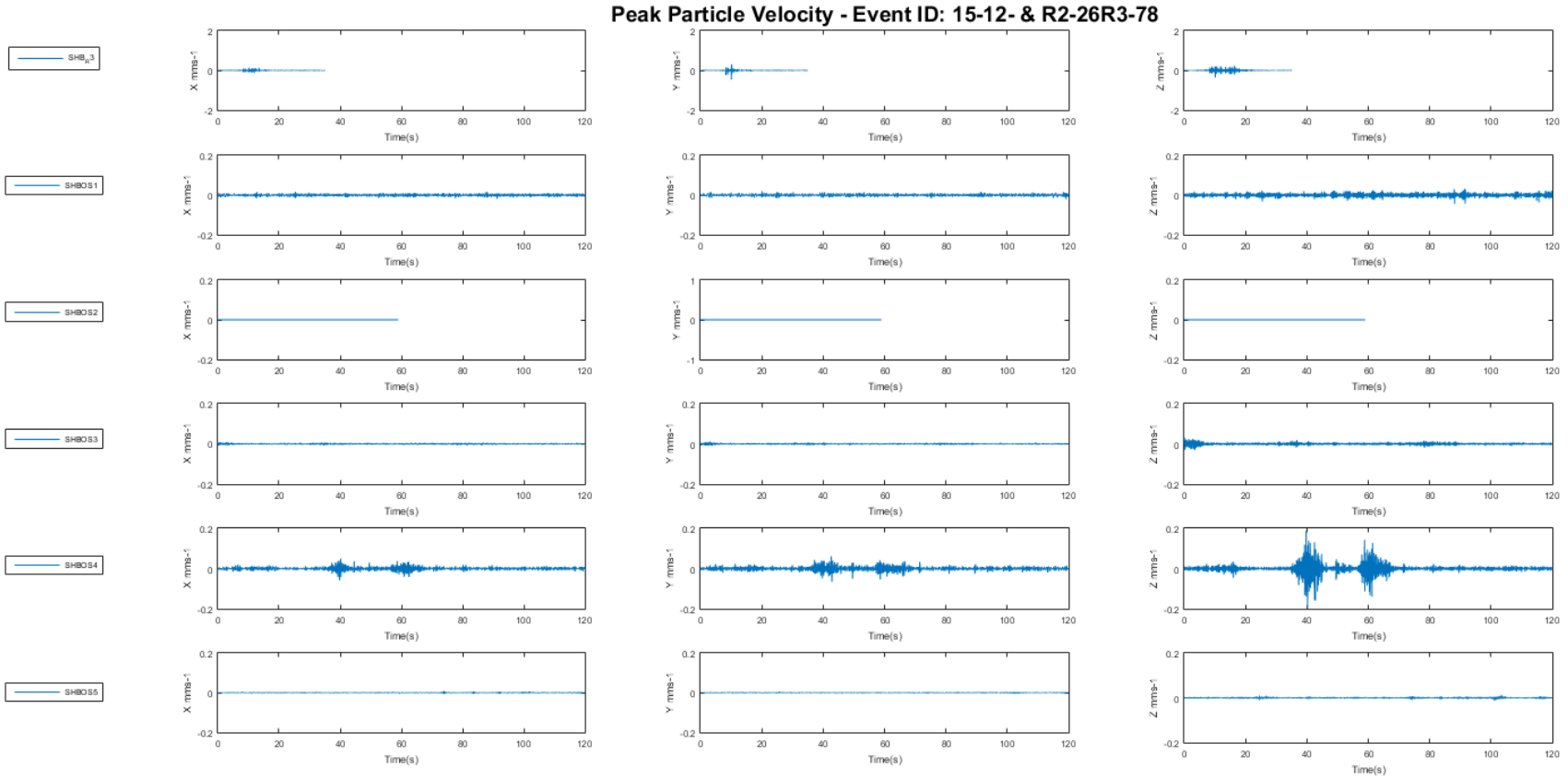


FIGURE 3.1639: SHB_OS 1 - 5 15-12- & R2-26R3-78

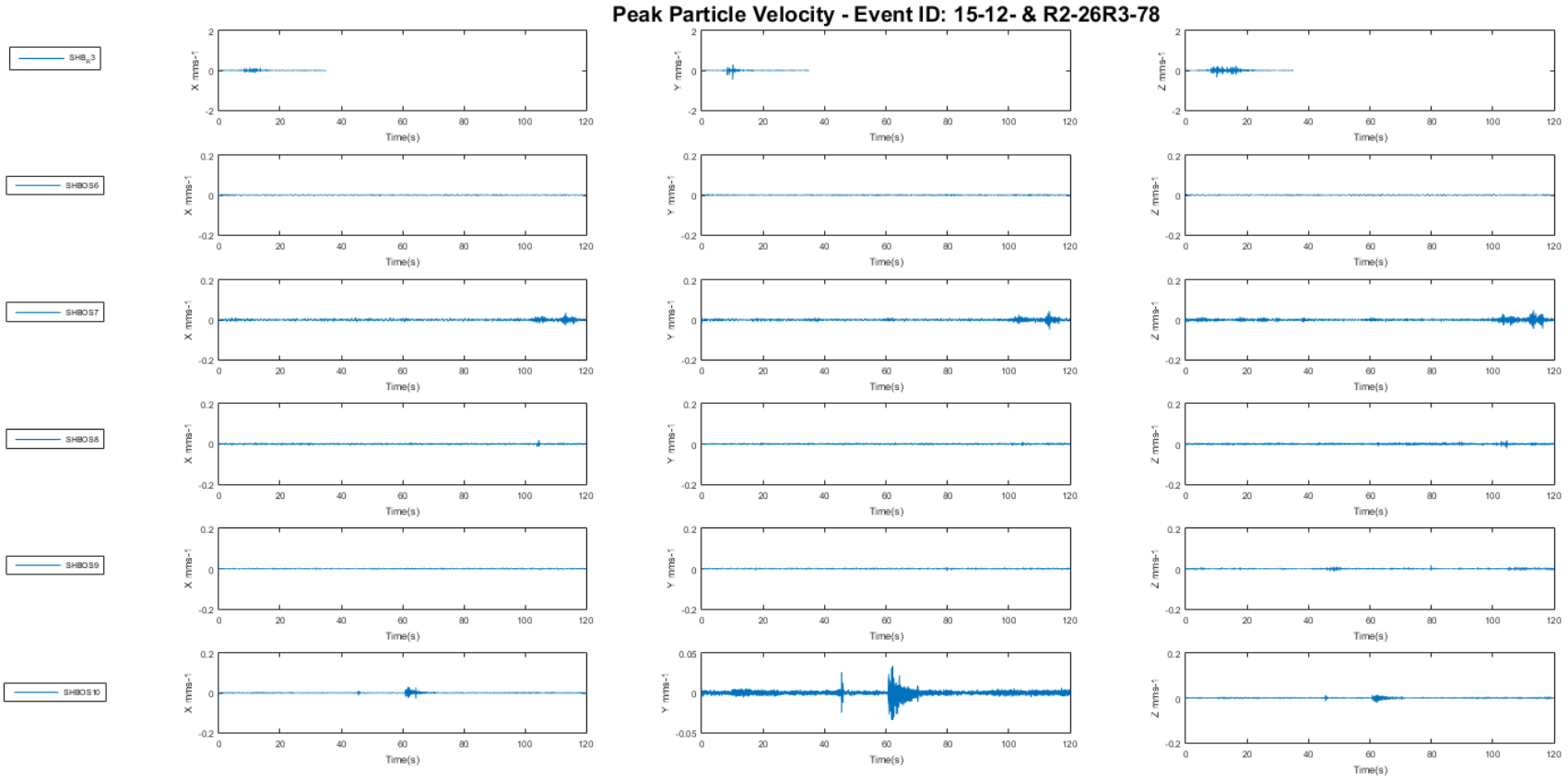


FIGURE 3.1640: SHB_OS 6 - 10 15-12- & R2-26R3-78

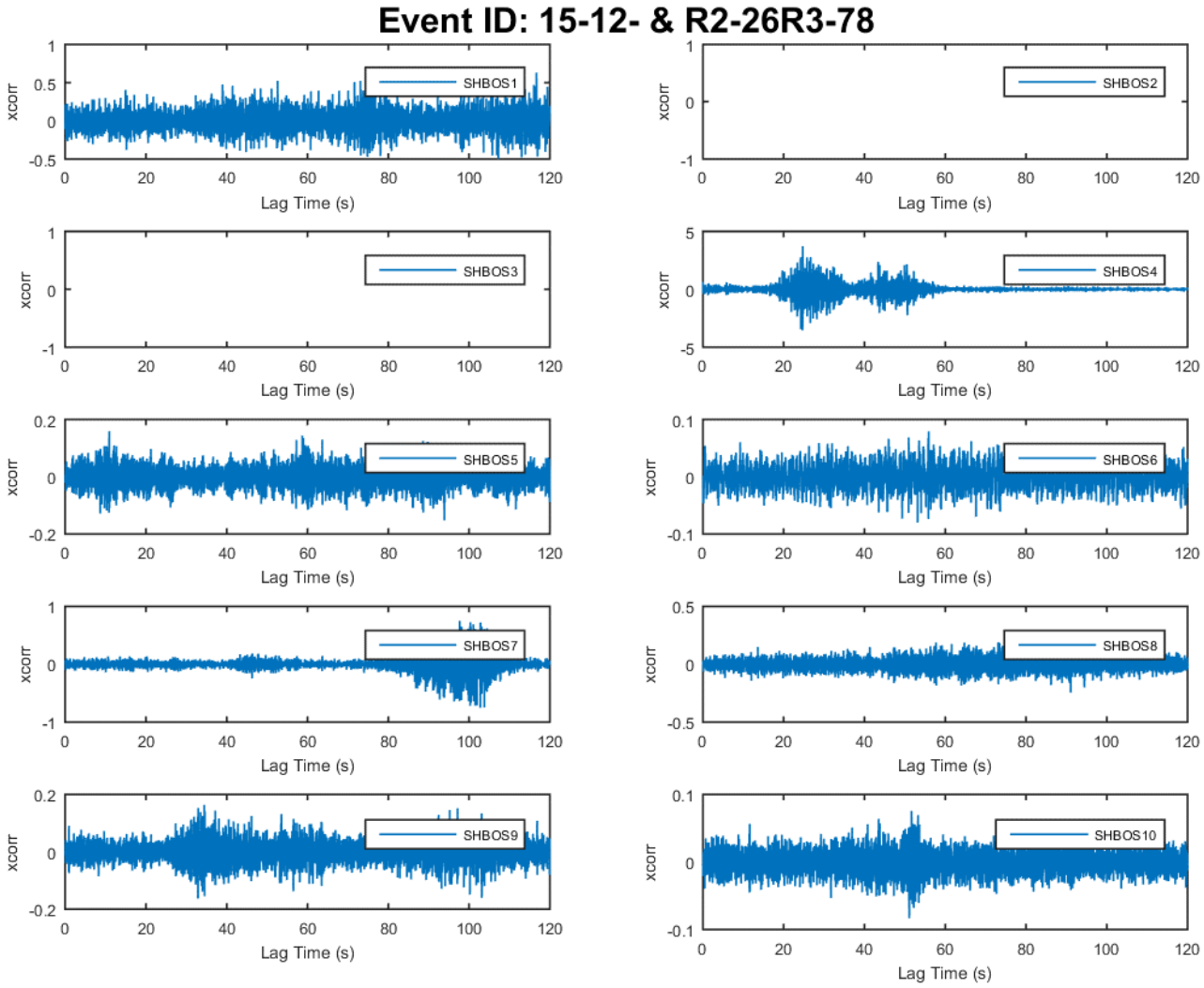


FIGURE 3.1641: CROSS CORRELATION SHB_OS 1 - 10 15-12- & R2-26R3-78

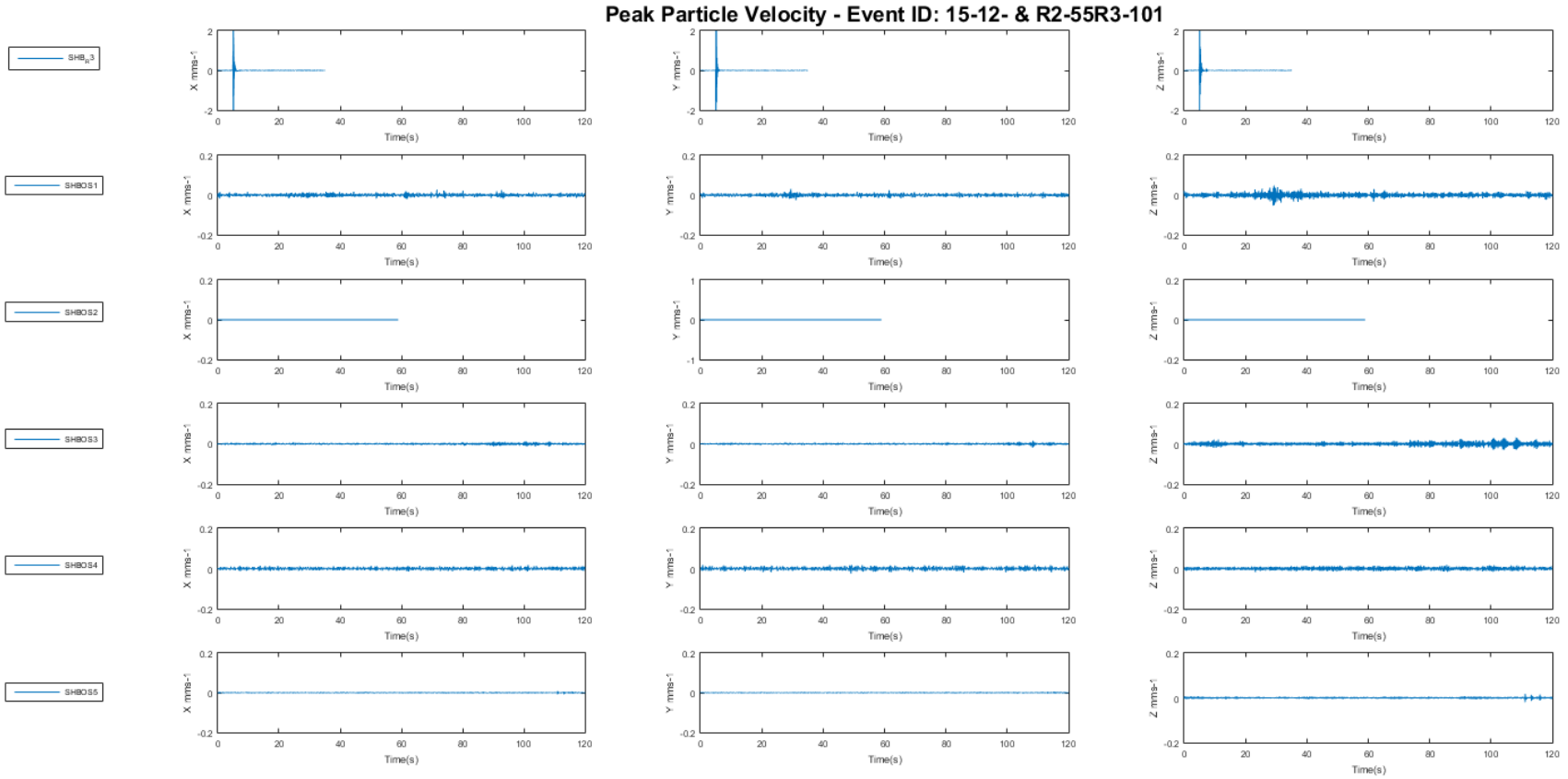


FIGURE 3.1642: SHB_OS 1 - 5 15-12- & R2-55R3-101

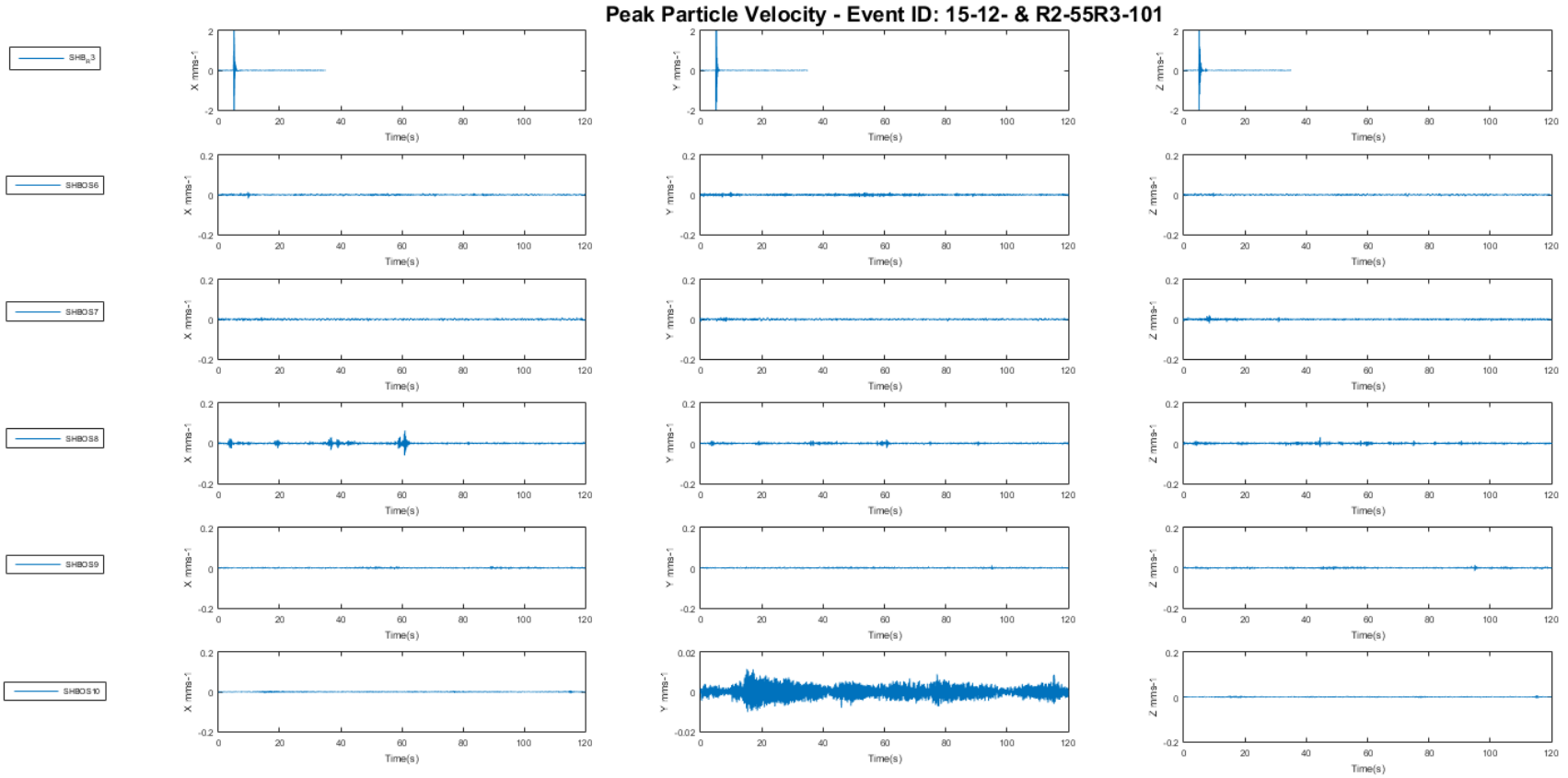


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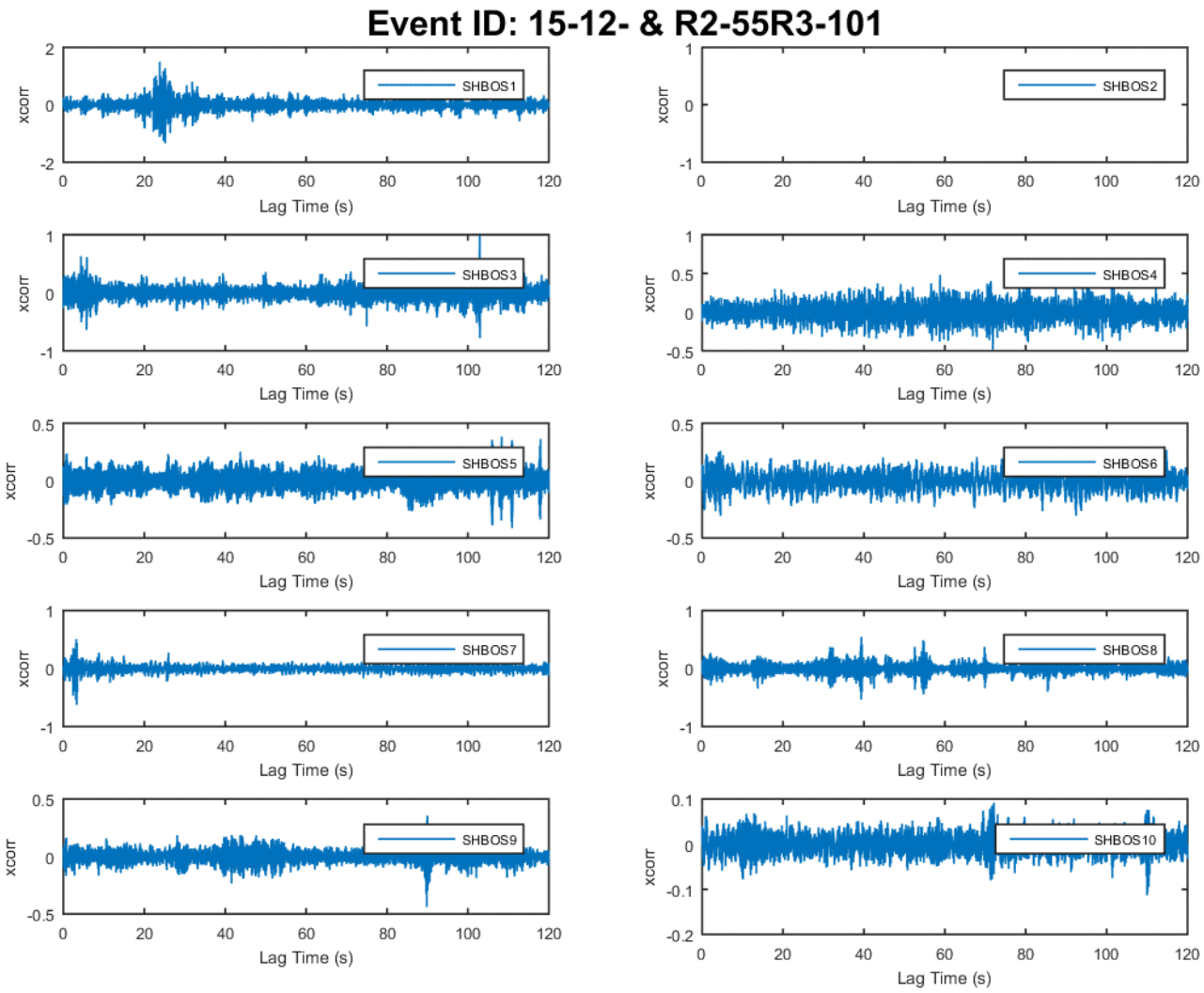


FIGURE 3.1644: CROSS CORRELATION SHB_OS 1 - 10 15-12- & R2-55R3-101

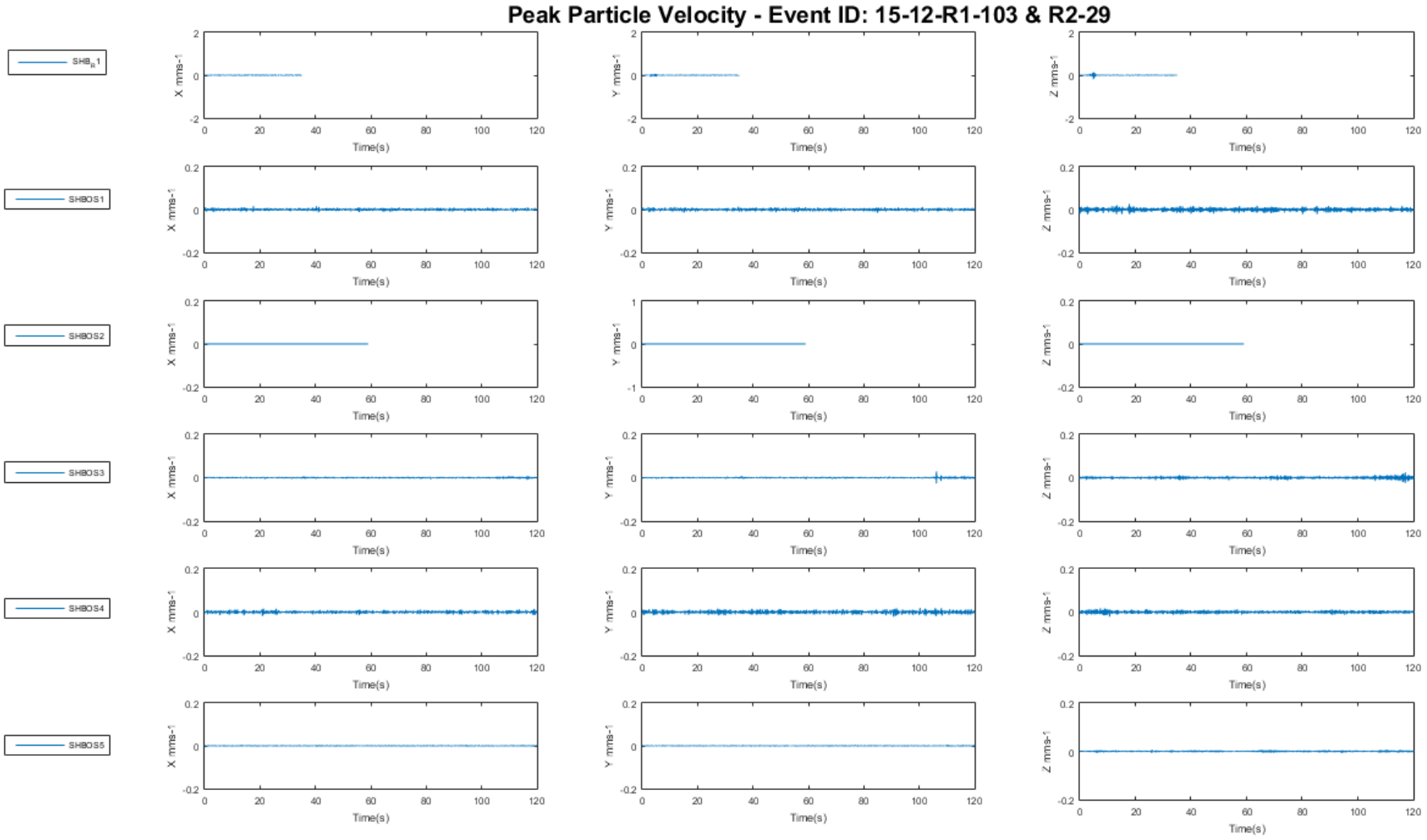


FIGURE 3.1645: SHB_OS 1 - 5 15-12-R1-103 & R2-29

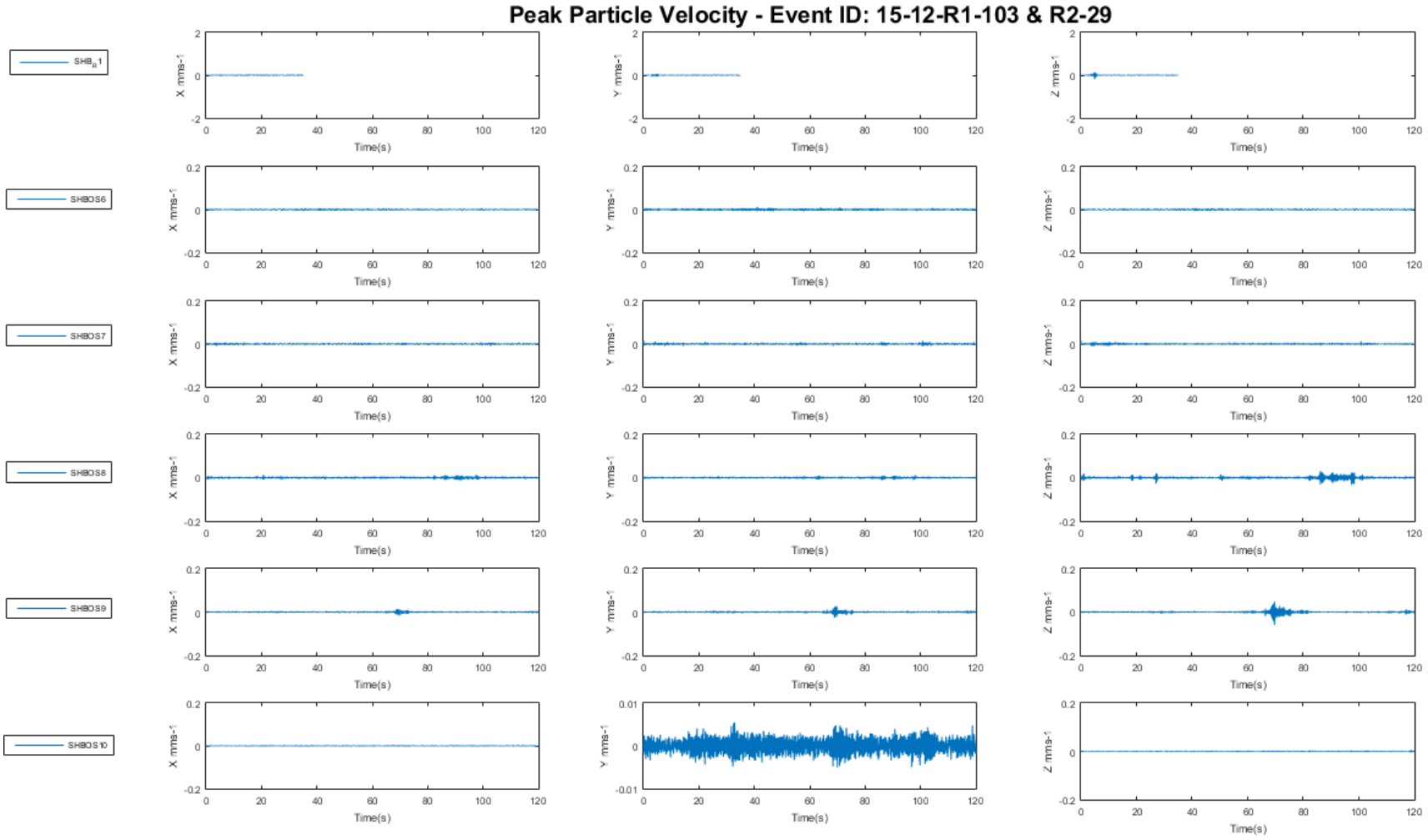


FIGURE 3.1646: SHB_OS 6 - 10 15-12-R1-103 & R2-29

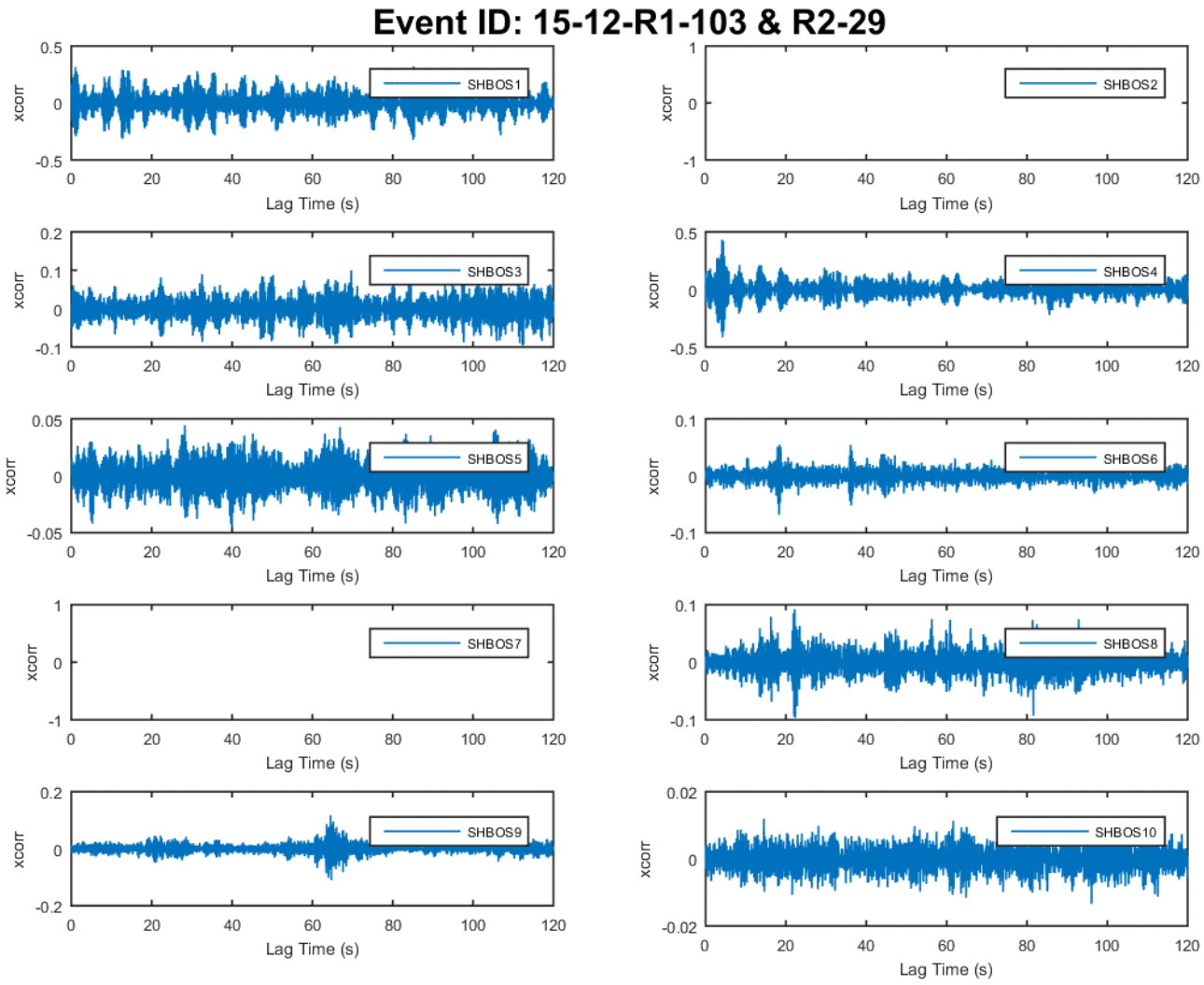


FIGURE 3.1647: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-103 & R2-29

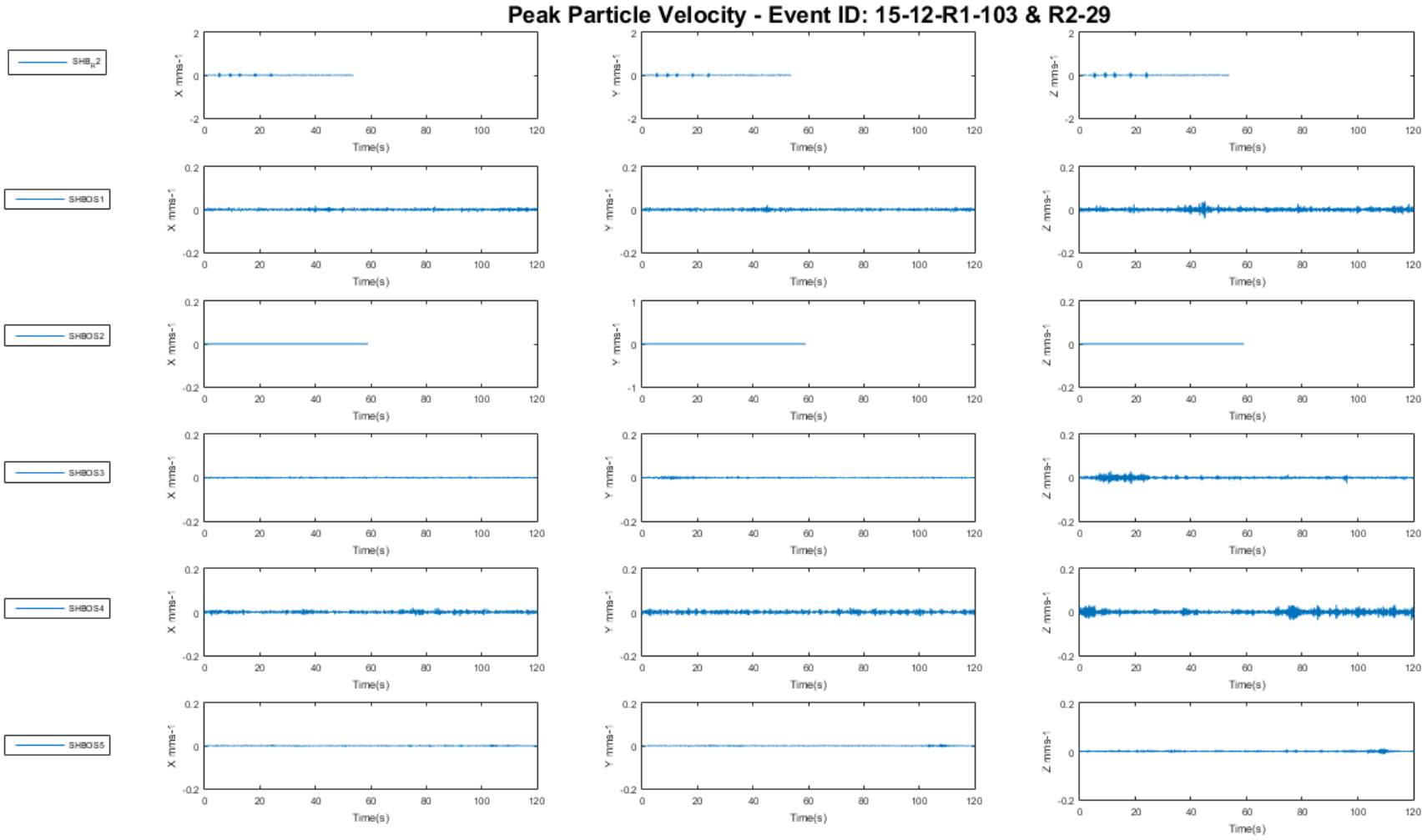


FIGURE 3.1648: SHB_OS 1 - 5 15-12-R1-103 & R2-29

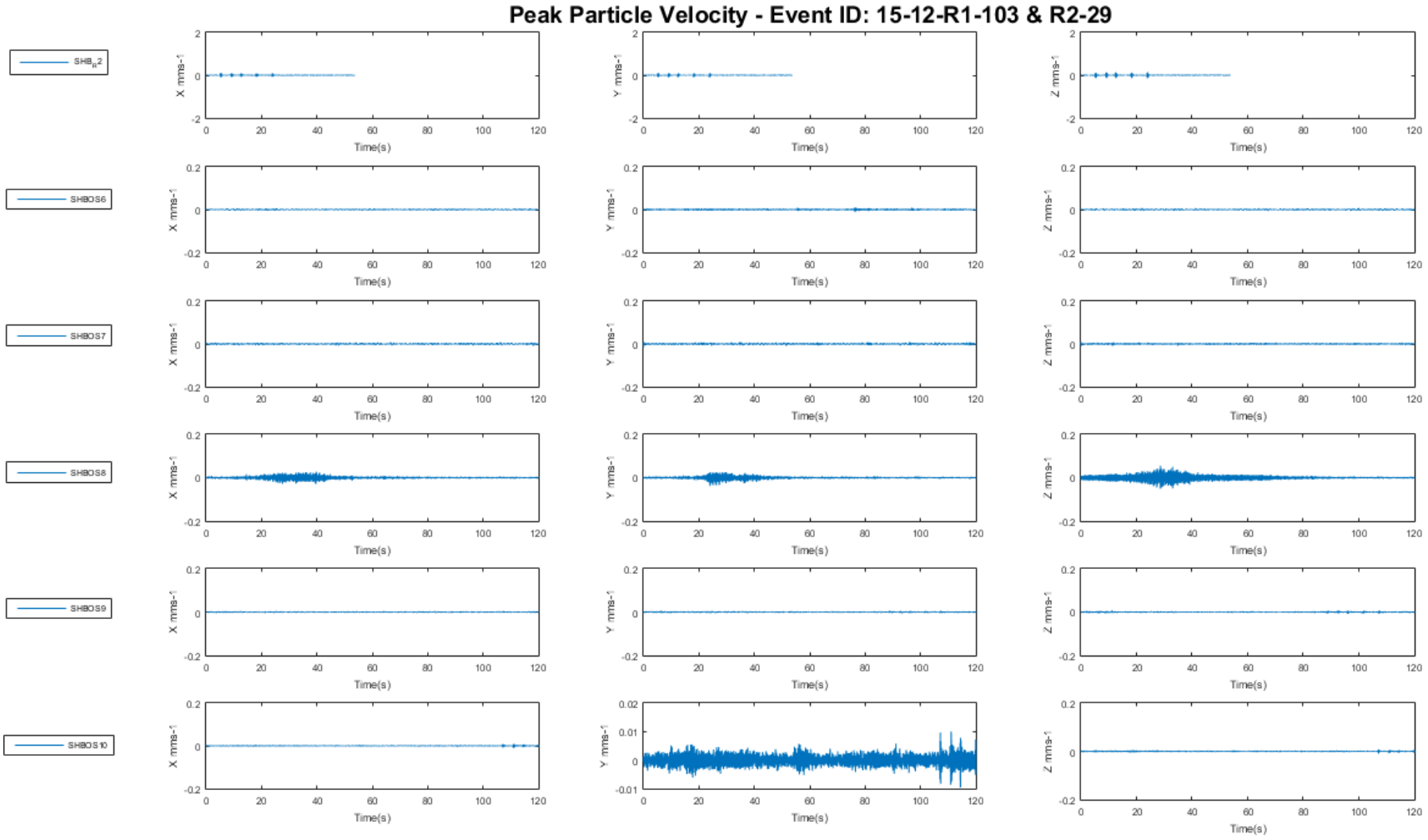


FIGURE 3.1649: SHB_OS 6 - 10 15-12-R1-103 & R2-29

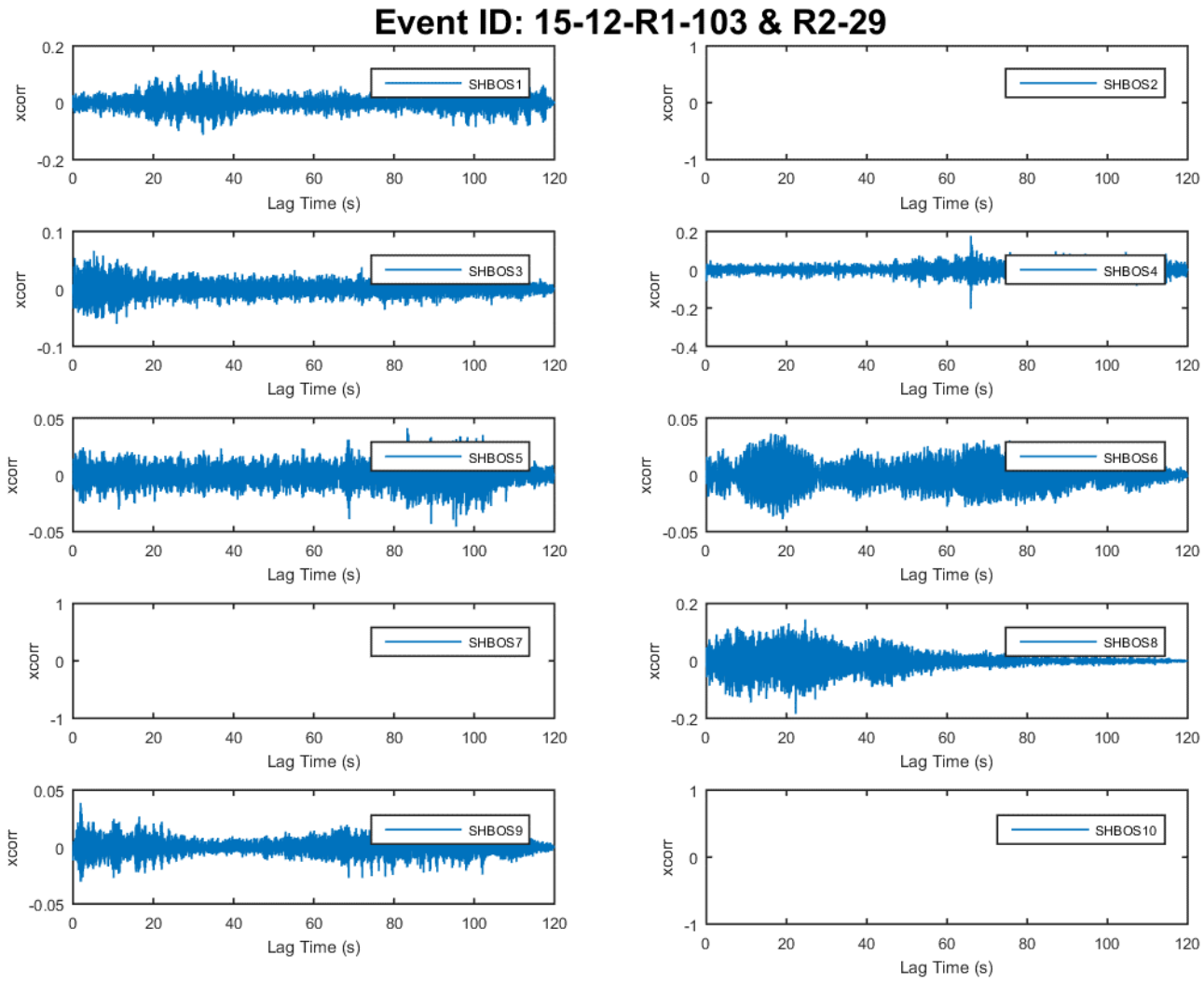


FIGURE 3.1650: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-103 & R2-29

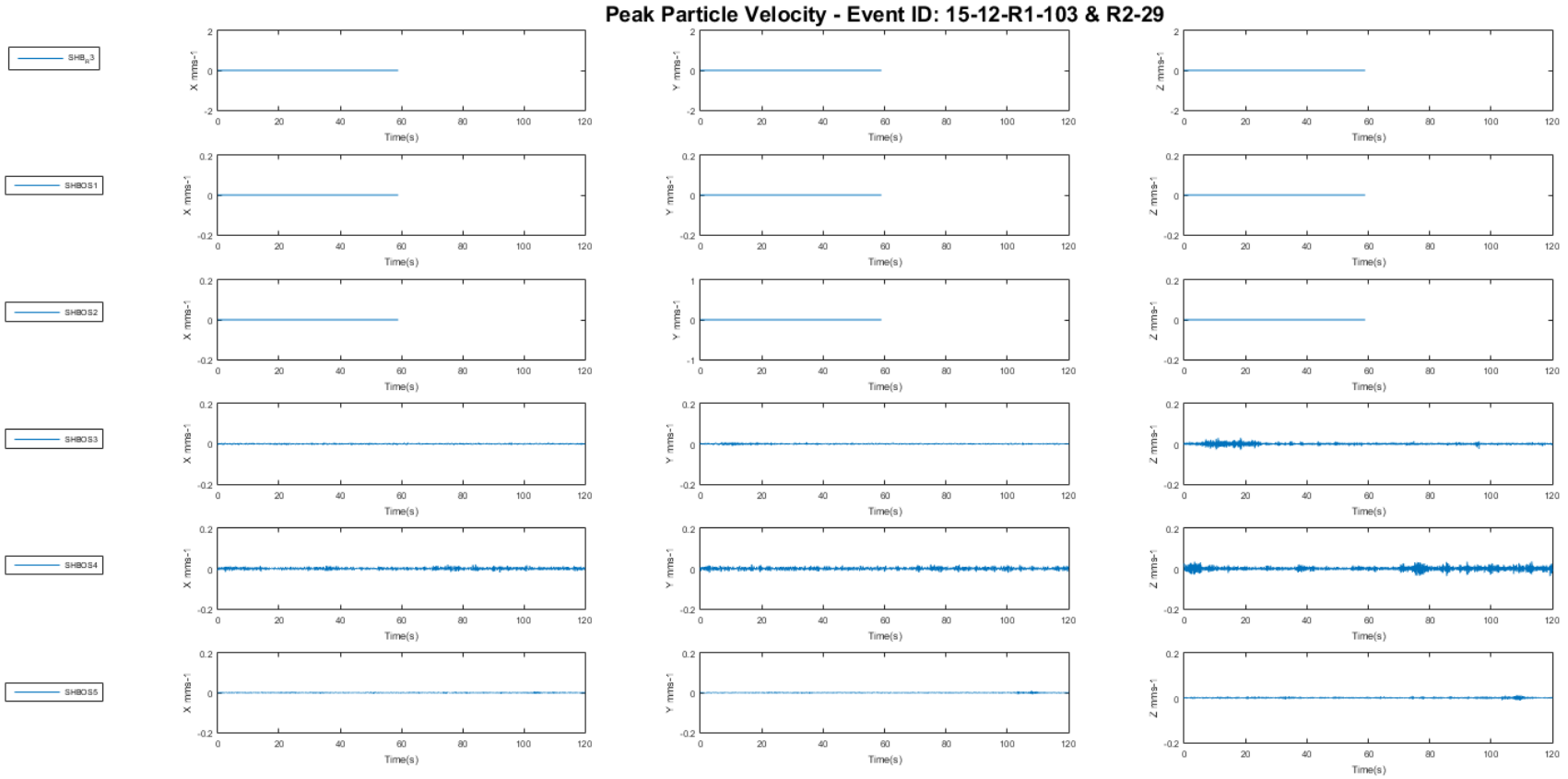


FIGURE 3.1651: SHB_OS 1 - 5 15-12-R1-103 & R2-29

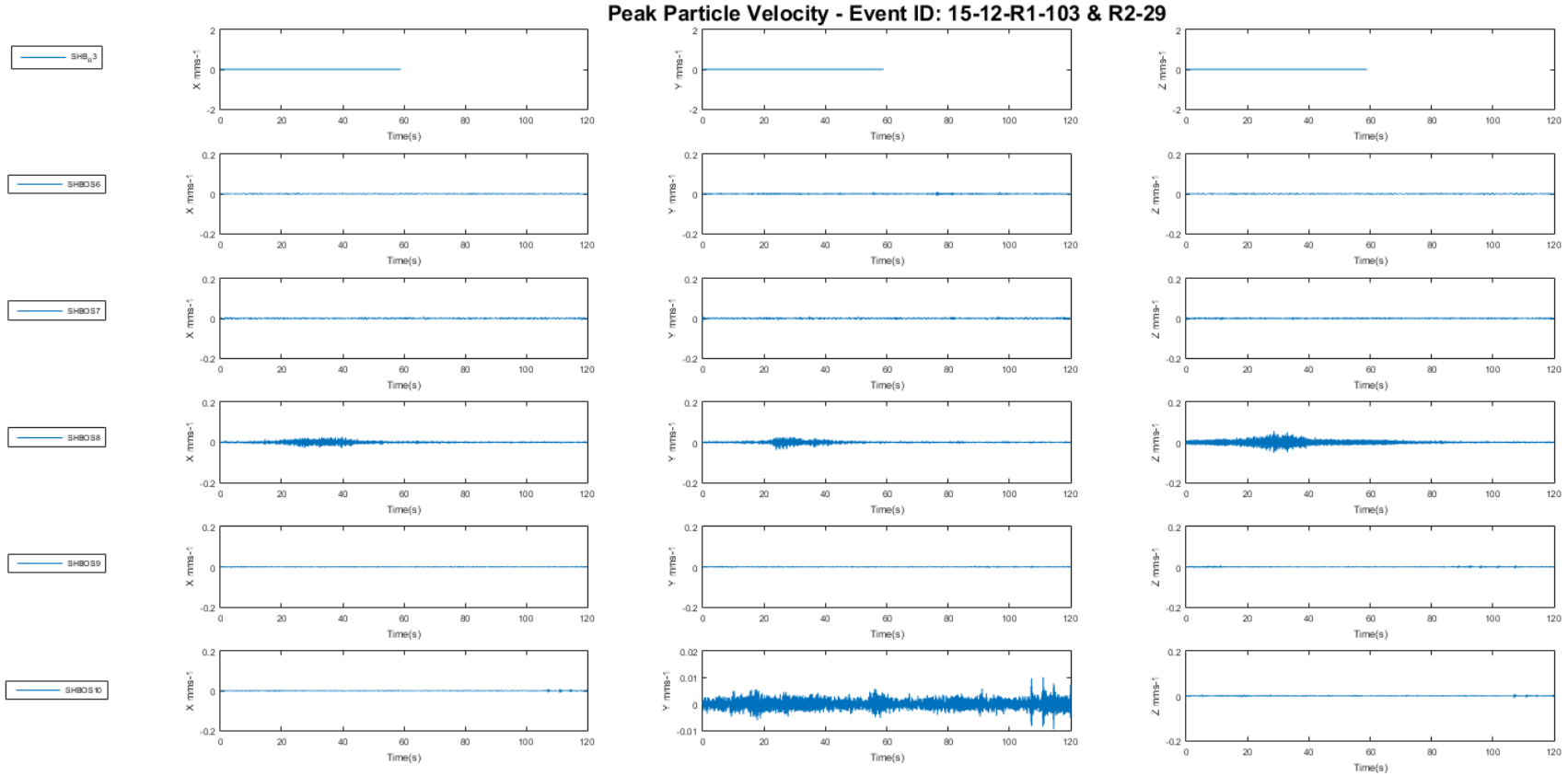


FIGURE 3.1652: SHB_OS 6 - 10 15-12-R1-103 & R2-29

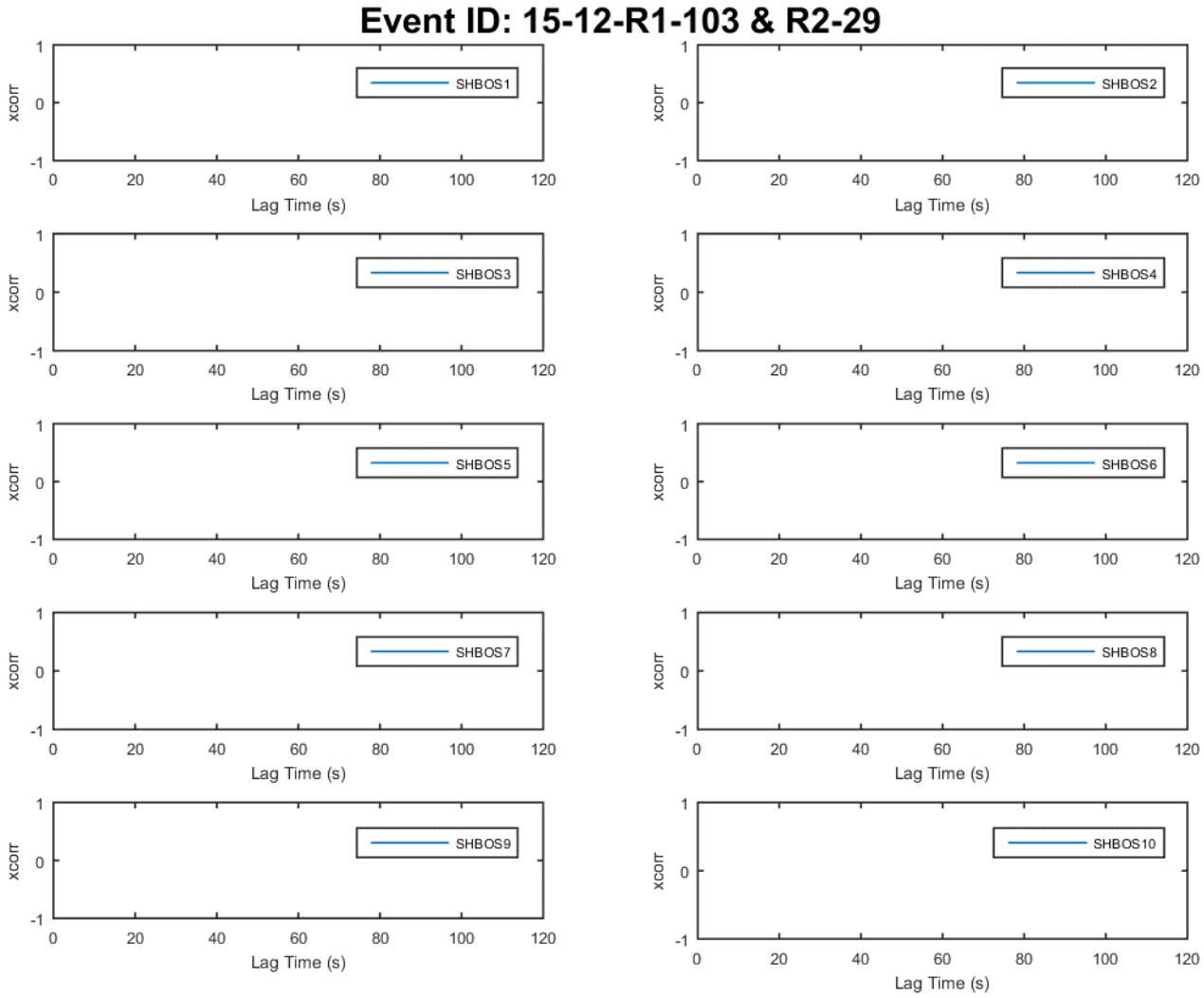


FIGURE 3.1653: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-103 & R2-29

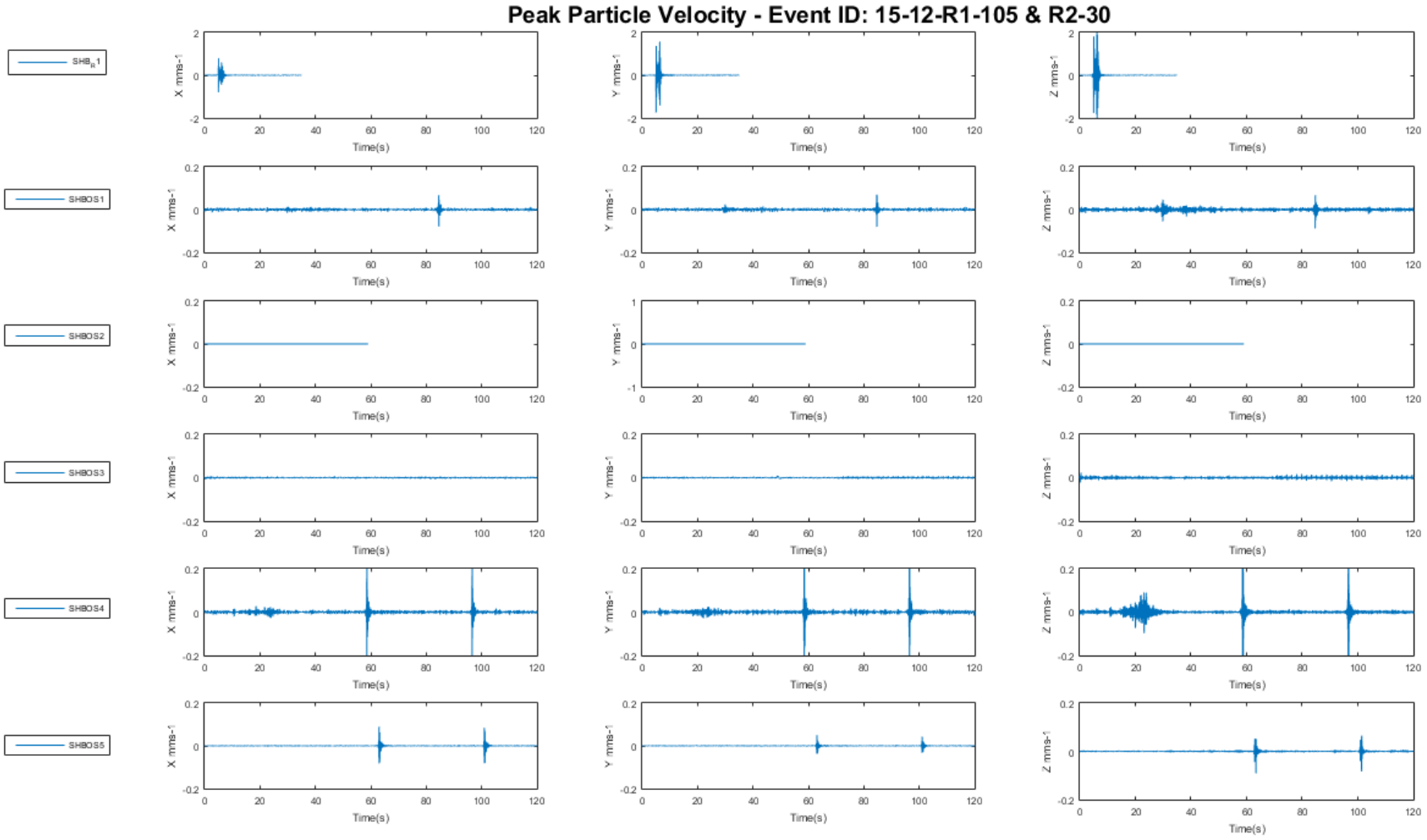


FIGURE 3.1654: SHB_OS 1 - 5 15-12-R1-105 & R2-30

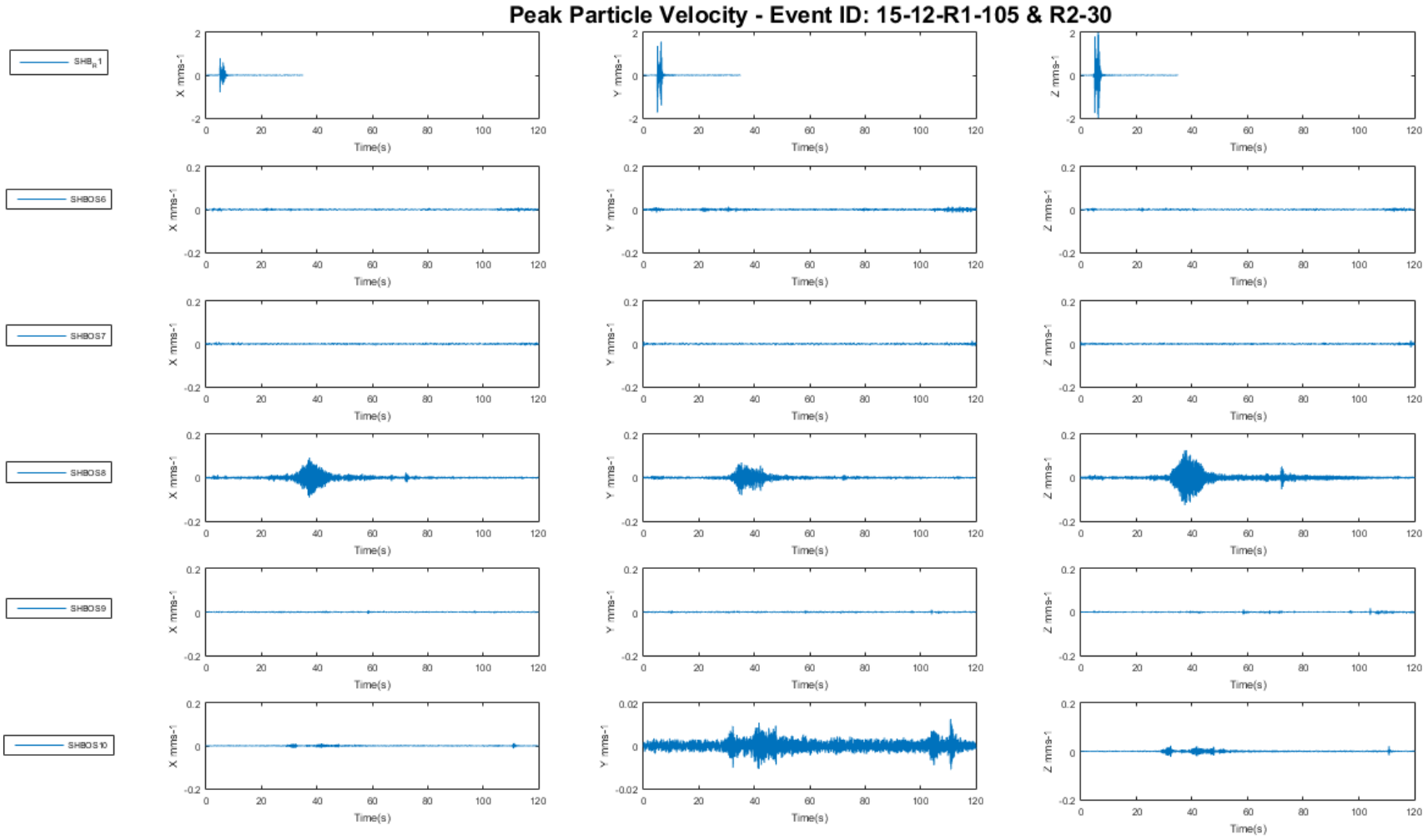


FIGURE 3.1655: SHB_OS 6 - 10 15-12-R1-105 & R2-30

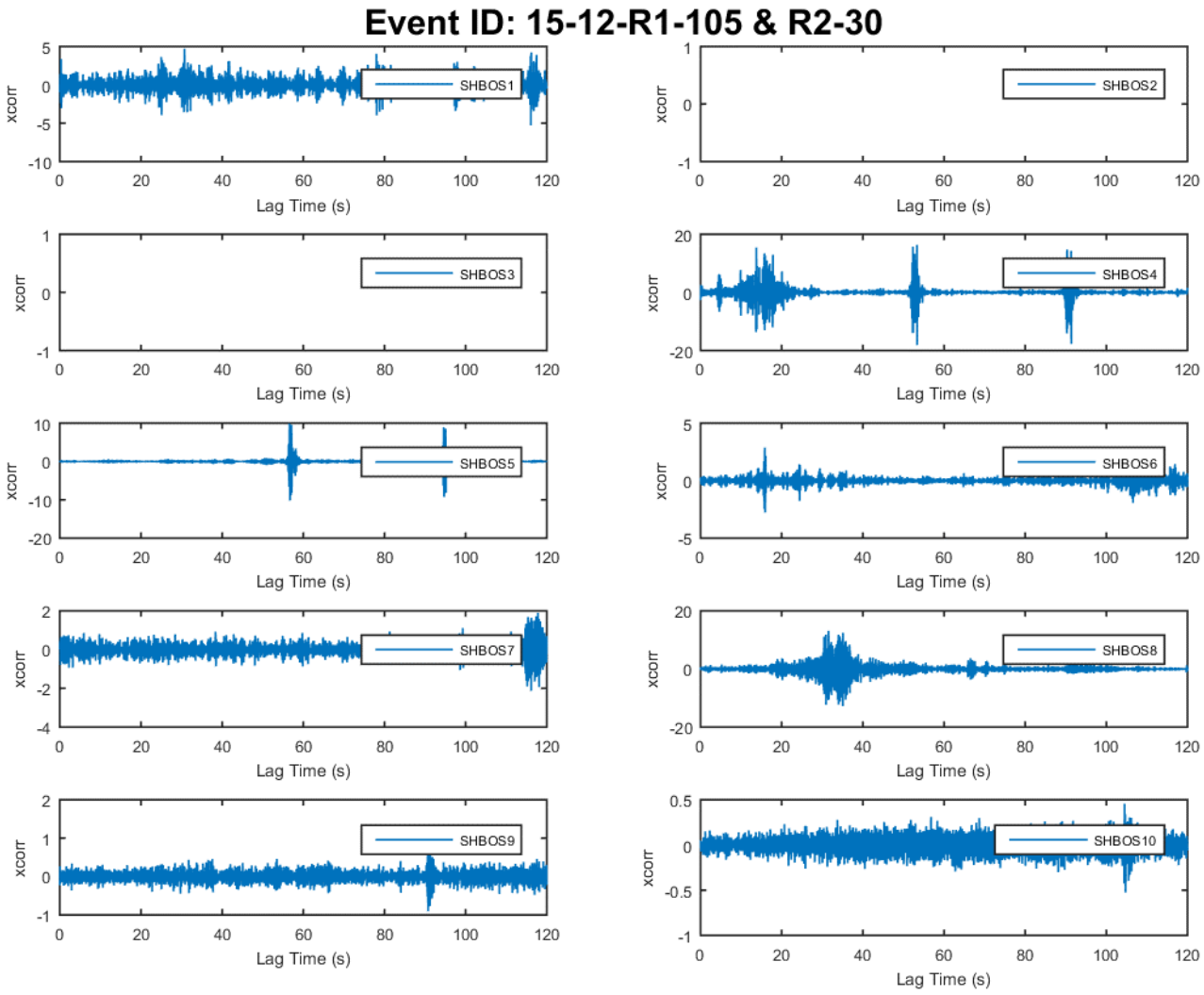


FIGURE 3.1656: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-105 & R2-30

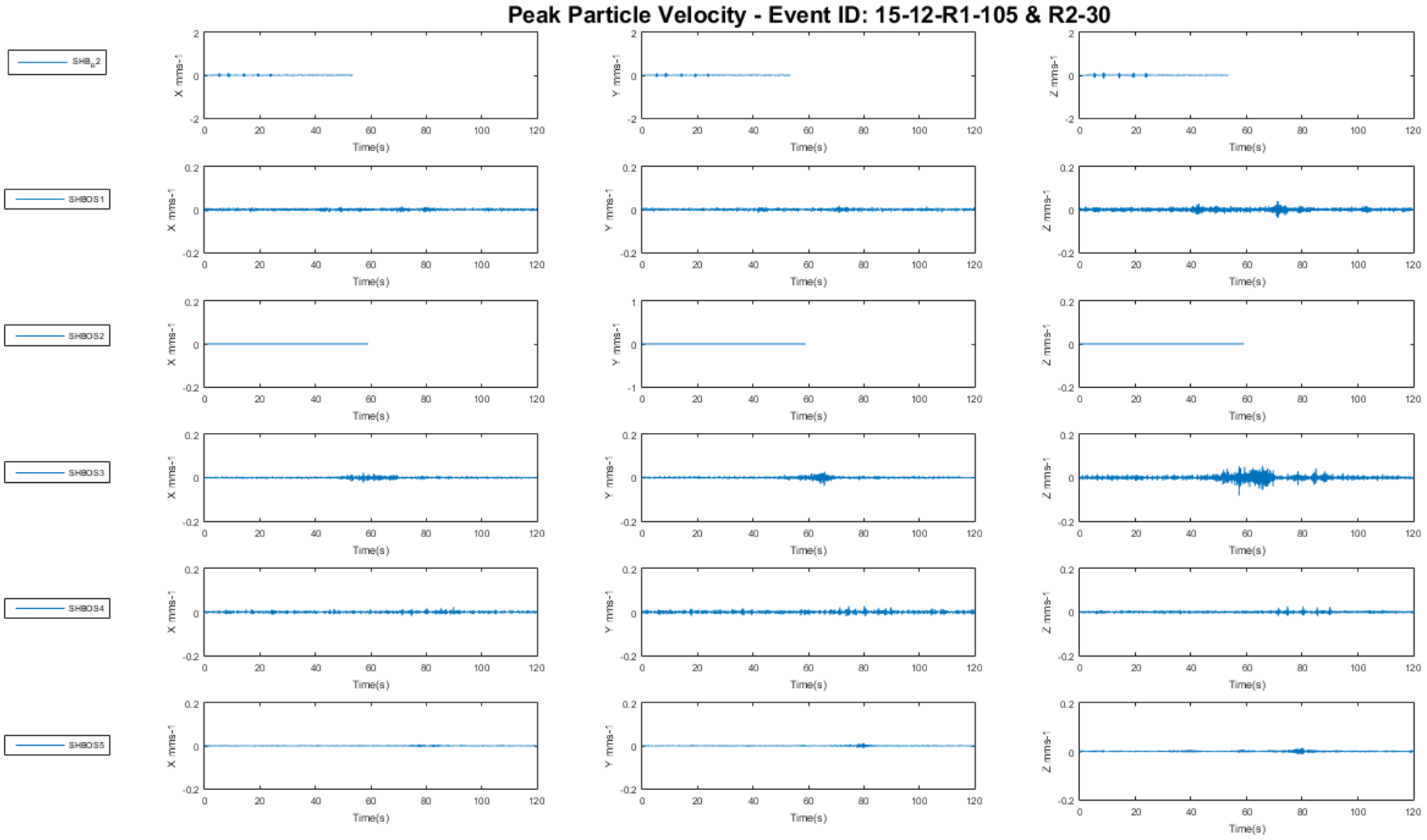


FIGURE 3.1657: SHB_OS 1 - 5 15-12-R1-105 & R2-30

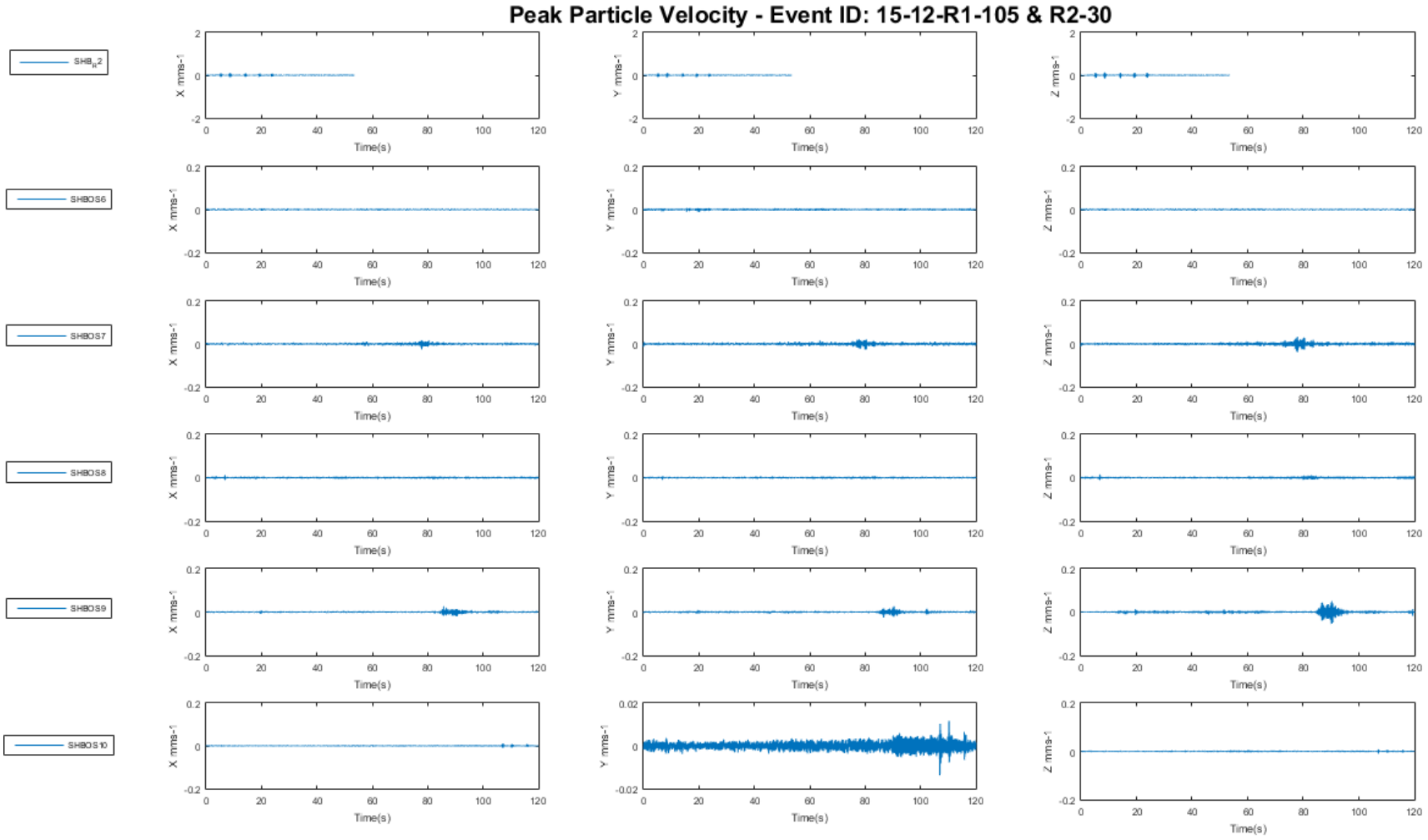


FIGURE 3.1658: SHB_OS 6 - 10 15-12-R1-105 & R2-30

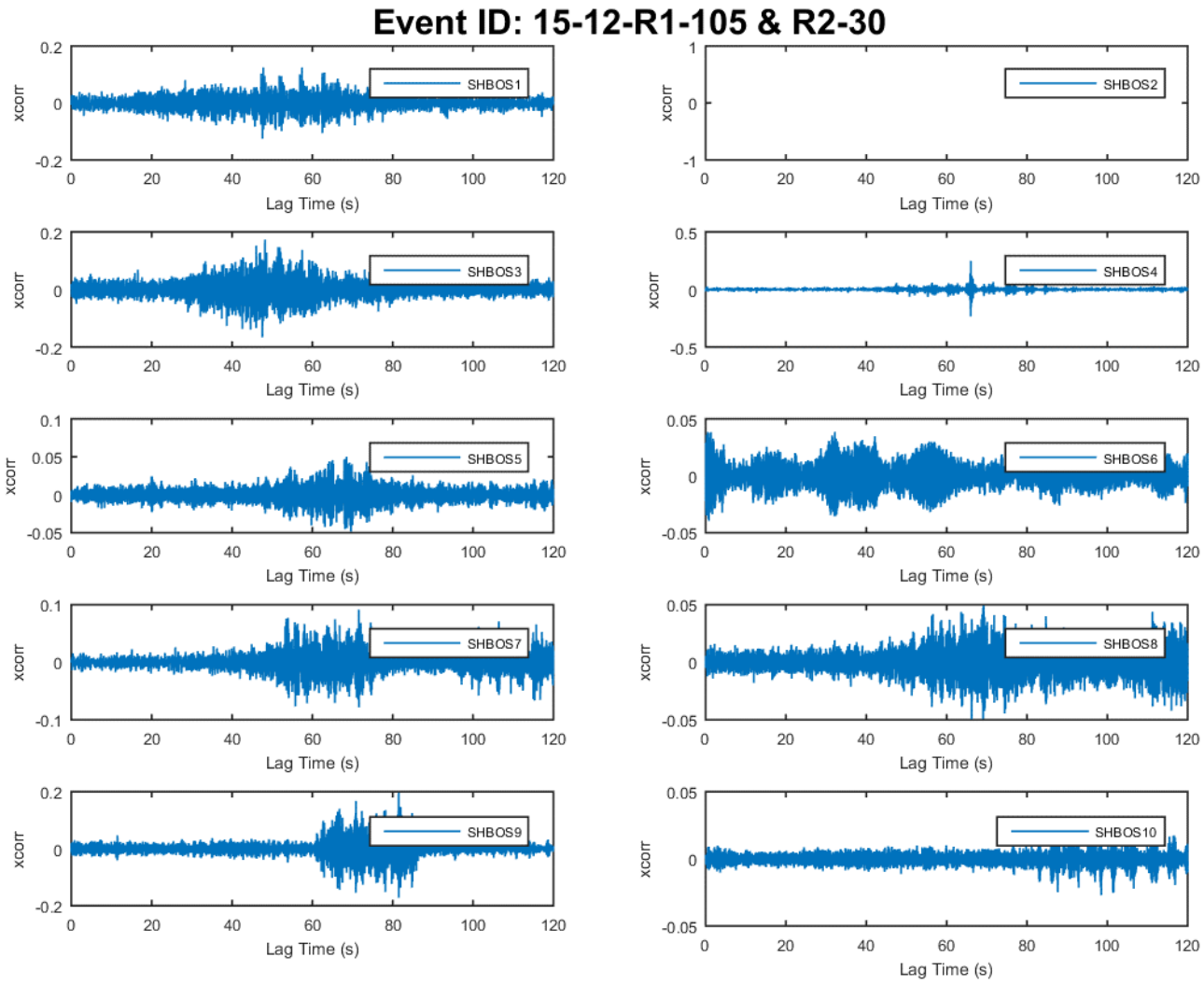


FIGURE 3.1659: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-105 & R2-30

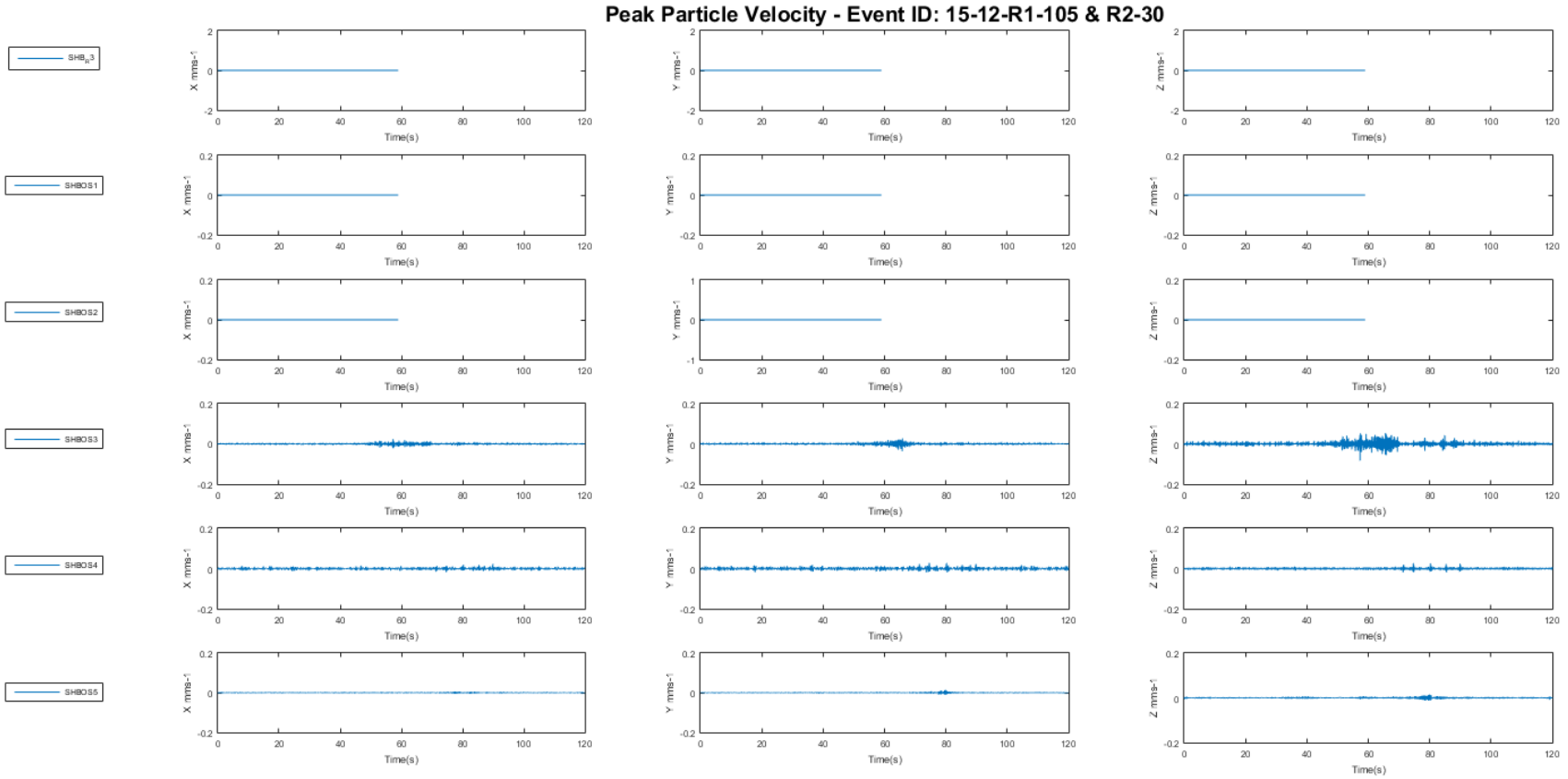


FIGURE 3.1660: SHB_OS 1 - 5 15-12-R1-105 & R2-30

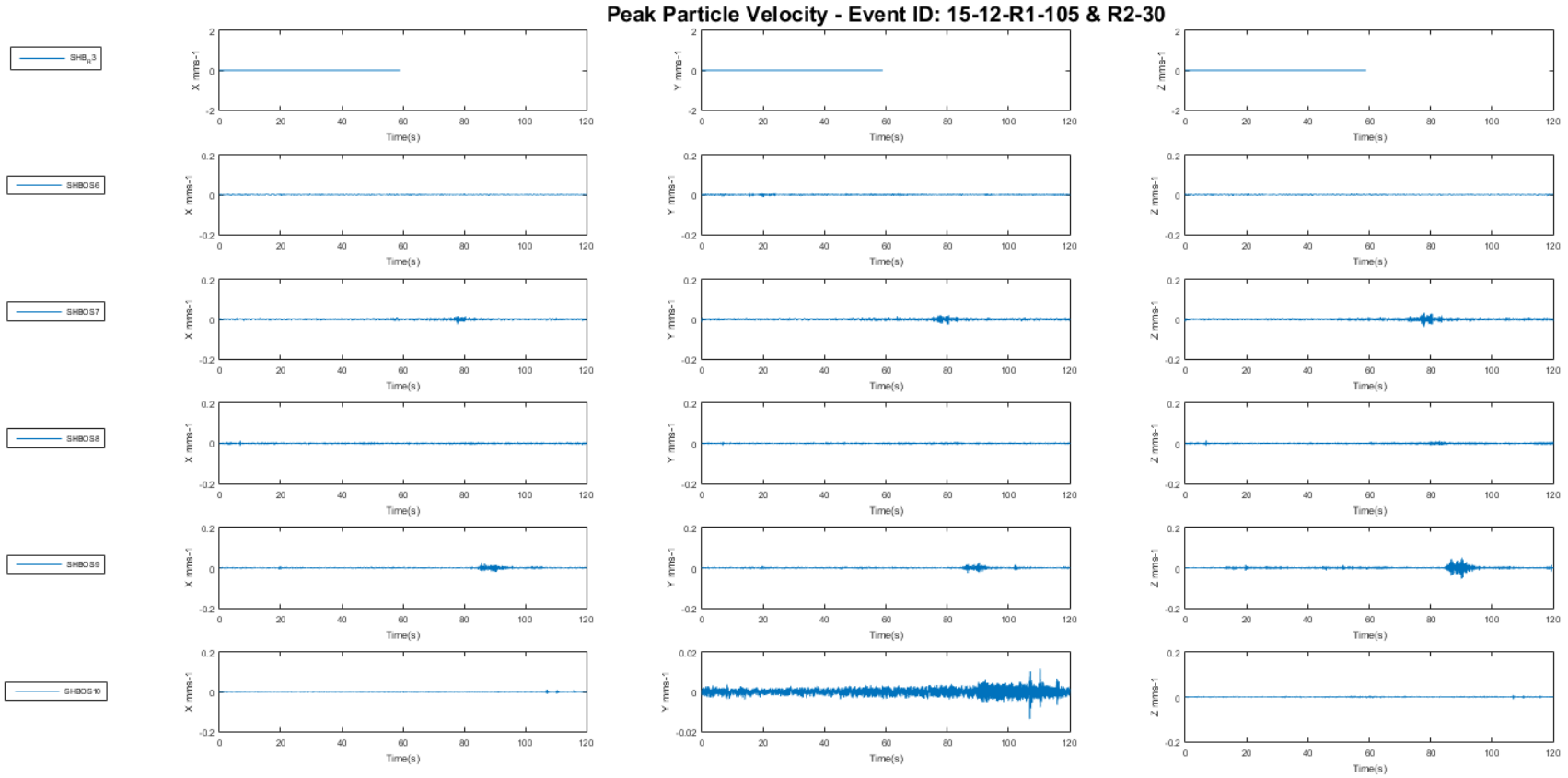


FIGURE 3.1661: SHB_OS 6 - 10 15-12-R1-105 & R2-30

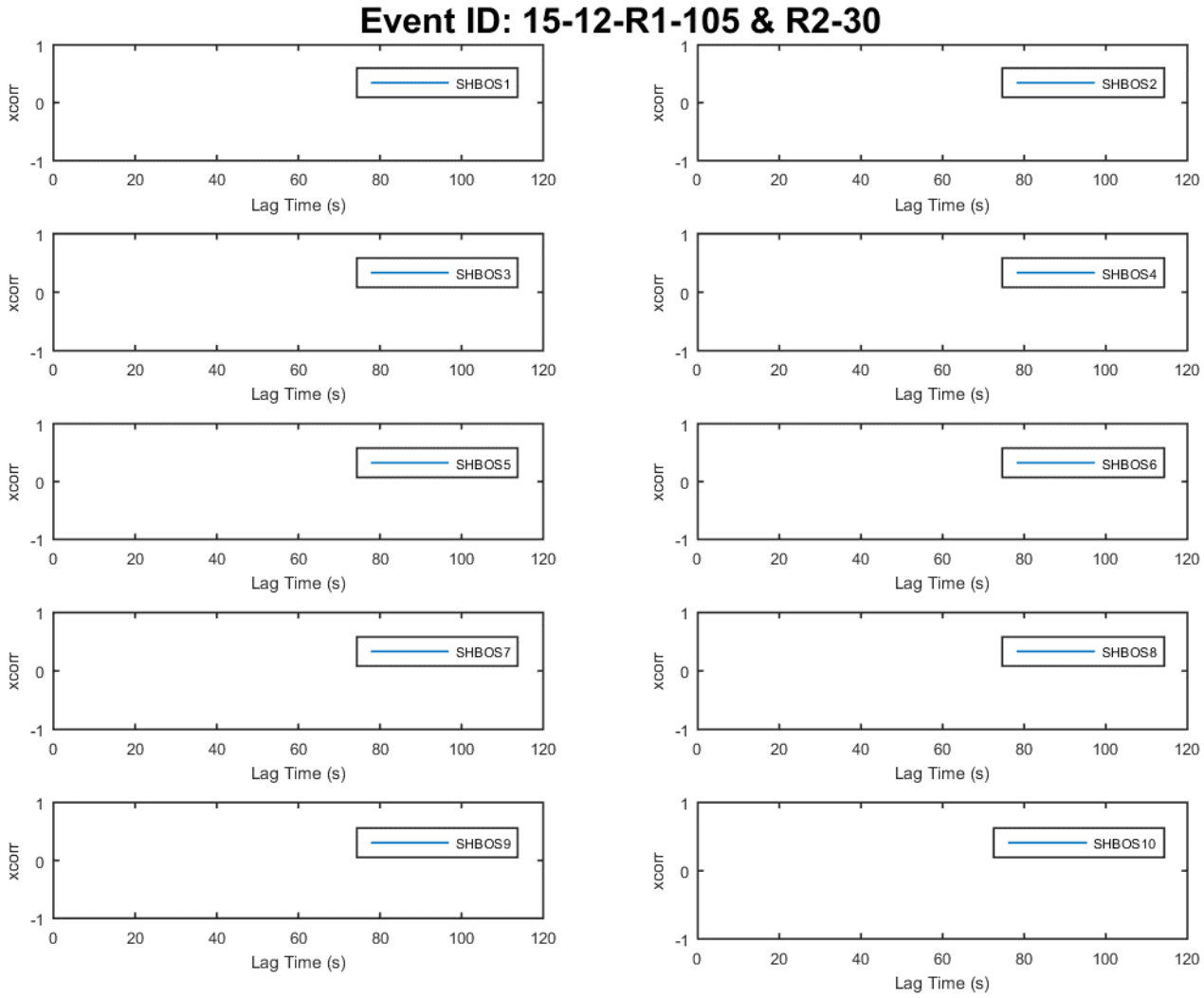


FIGURE 3.1662: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-105 & R2-30

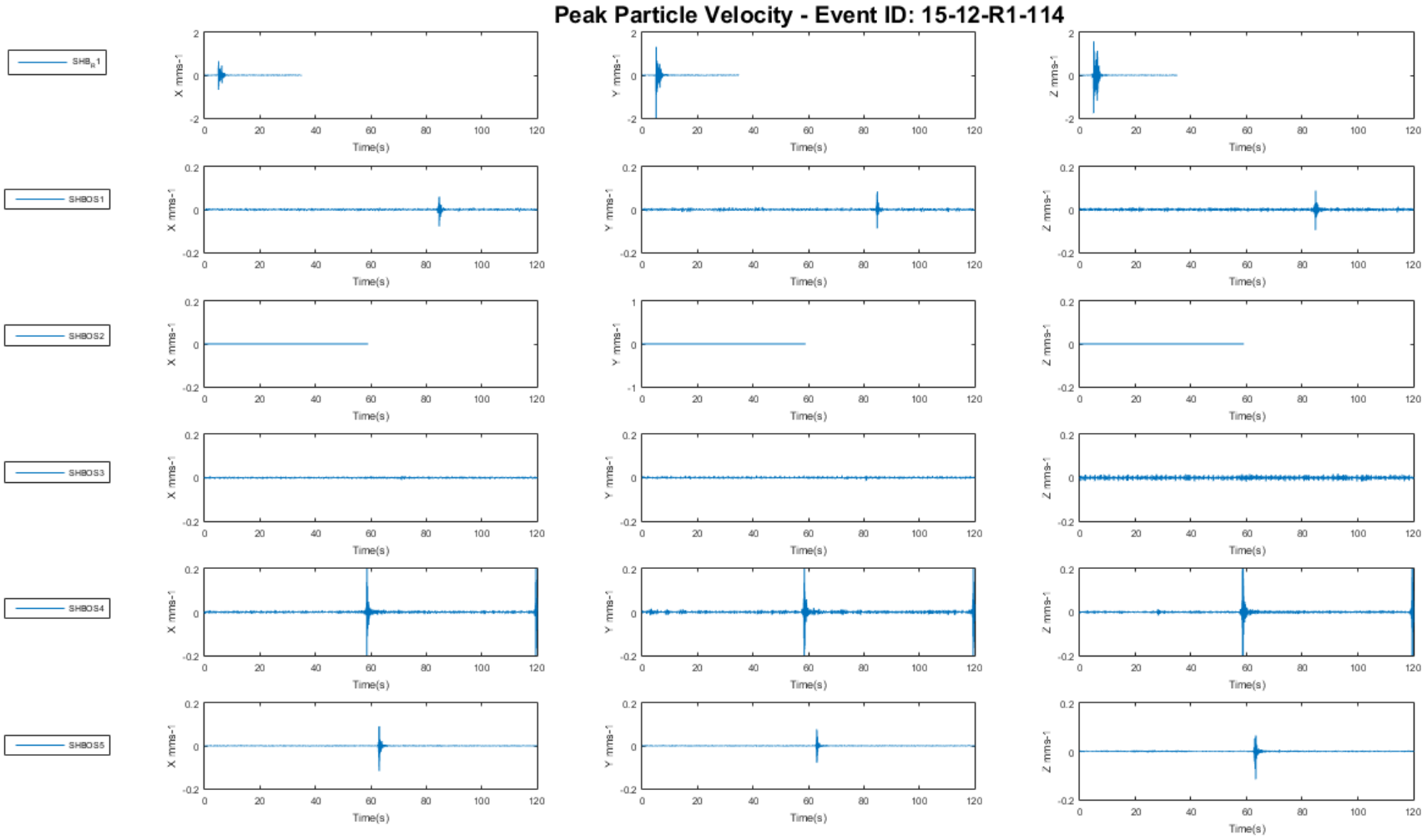


FIGURE 3.1663: SHB_OS 1 - 5 15-12-R1-114

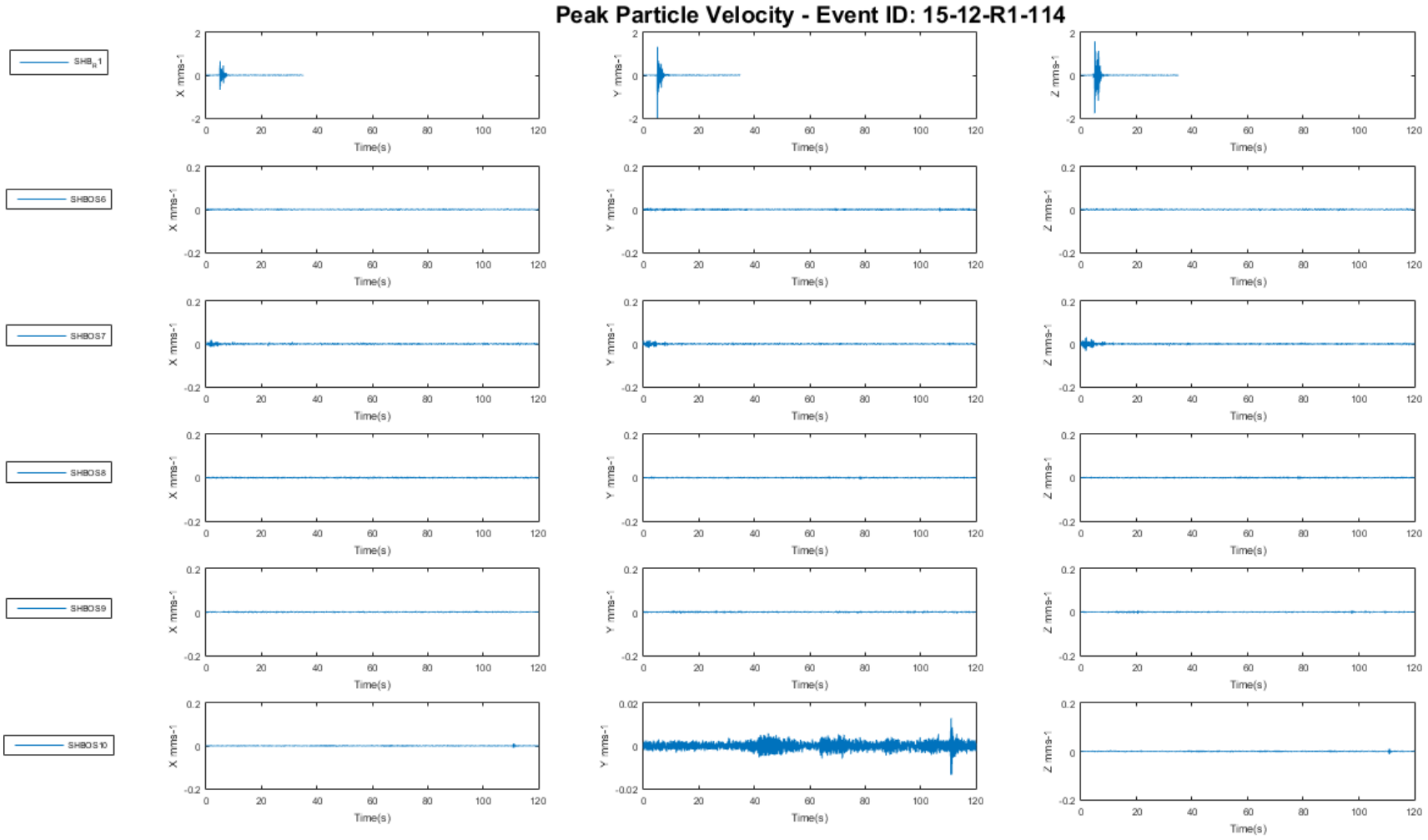


FIGURE 3.1664: SHB_OS 6 - 10 15-12-R1-114

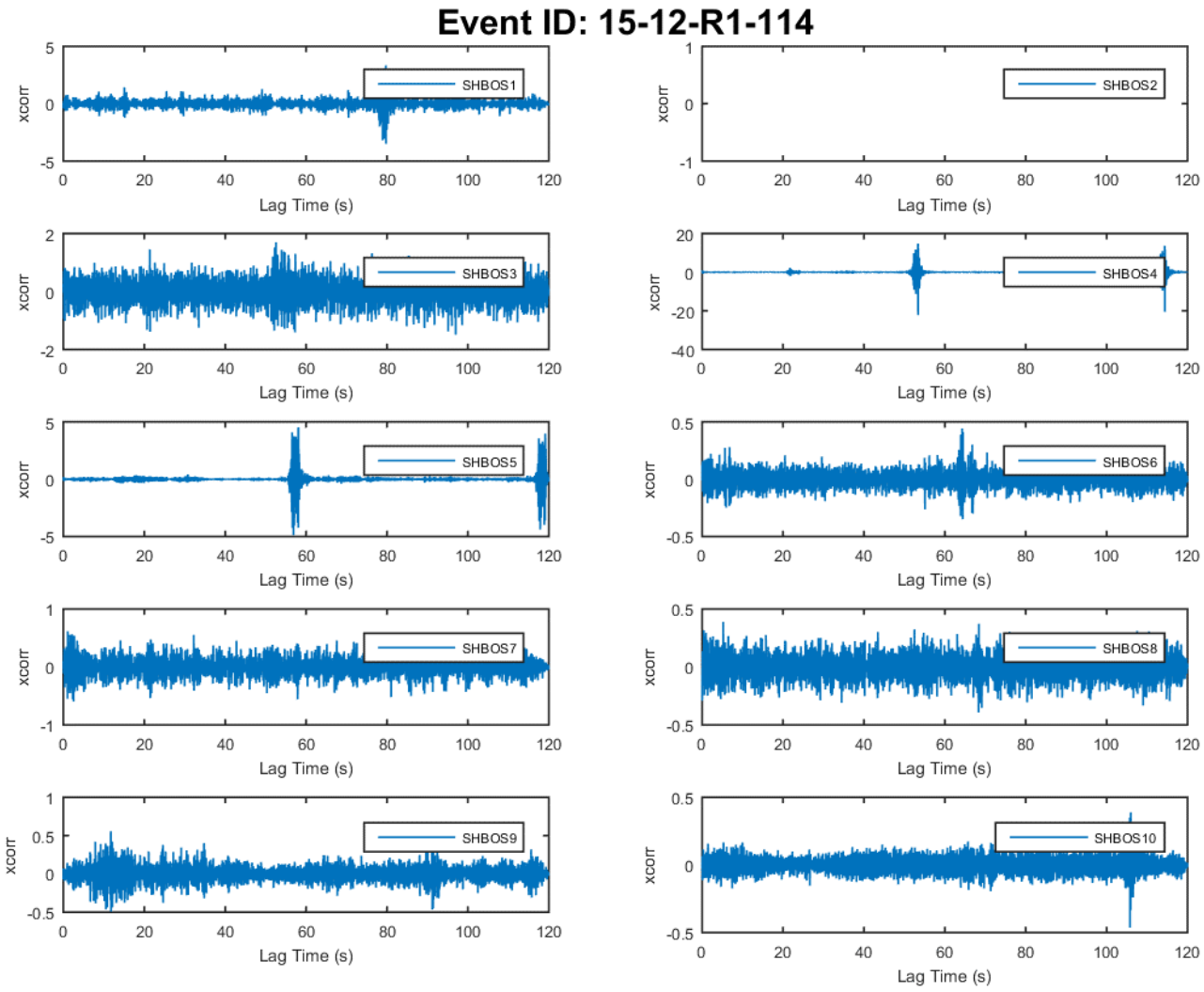


FIGURE 3.1665: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-114

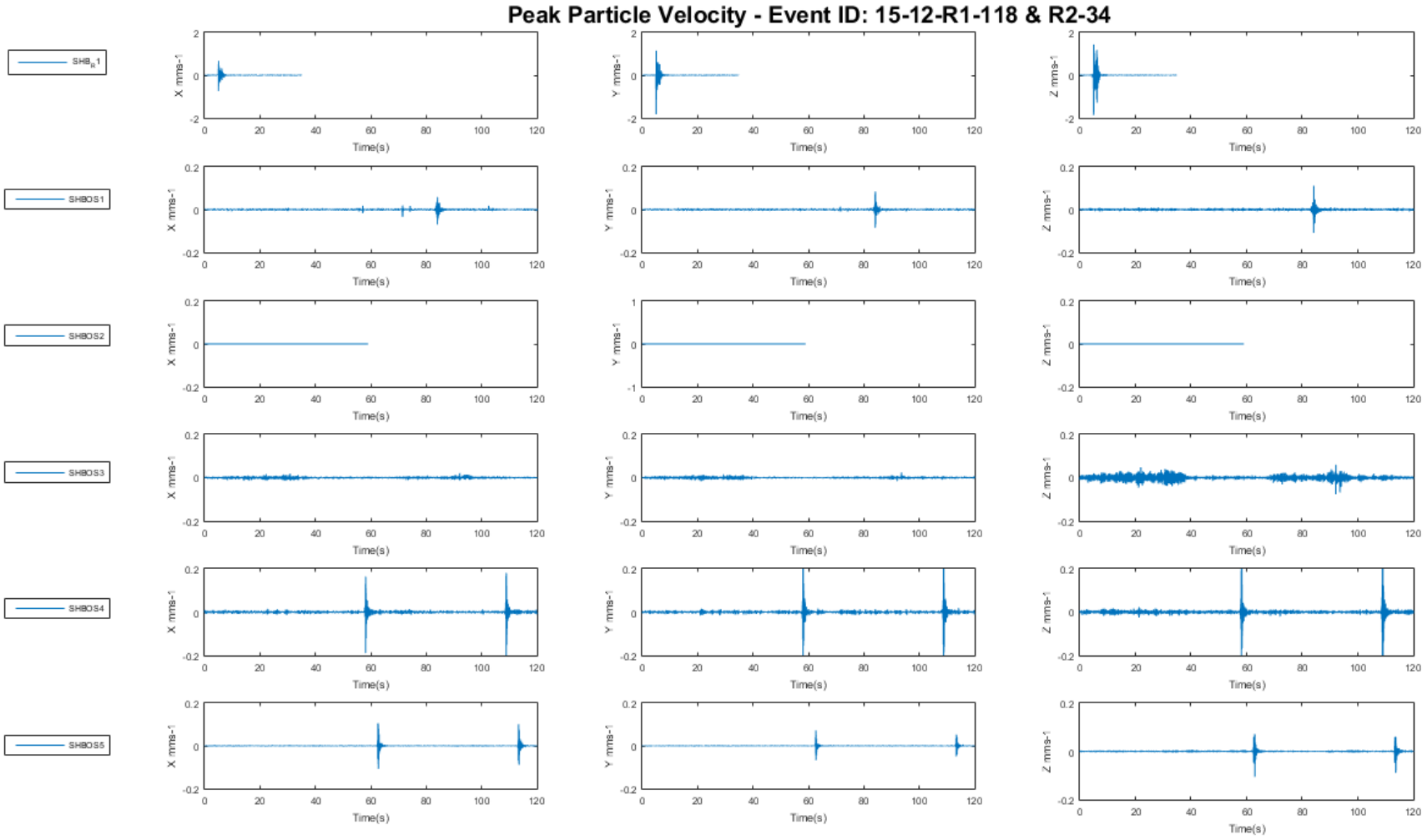


FIGURE 3.1666: SHB_OS 1 - 5 15-12-R1-118 & R2-34

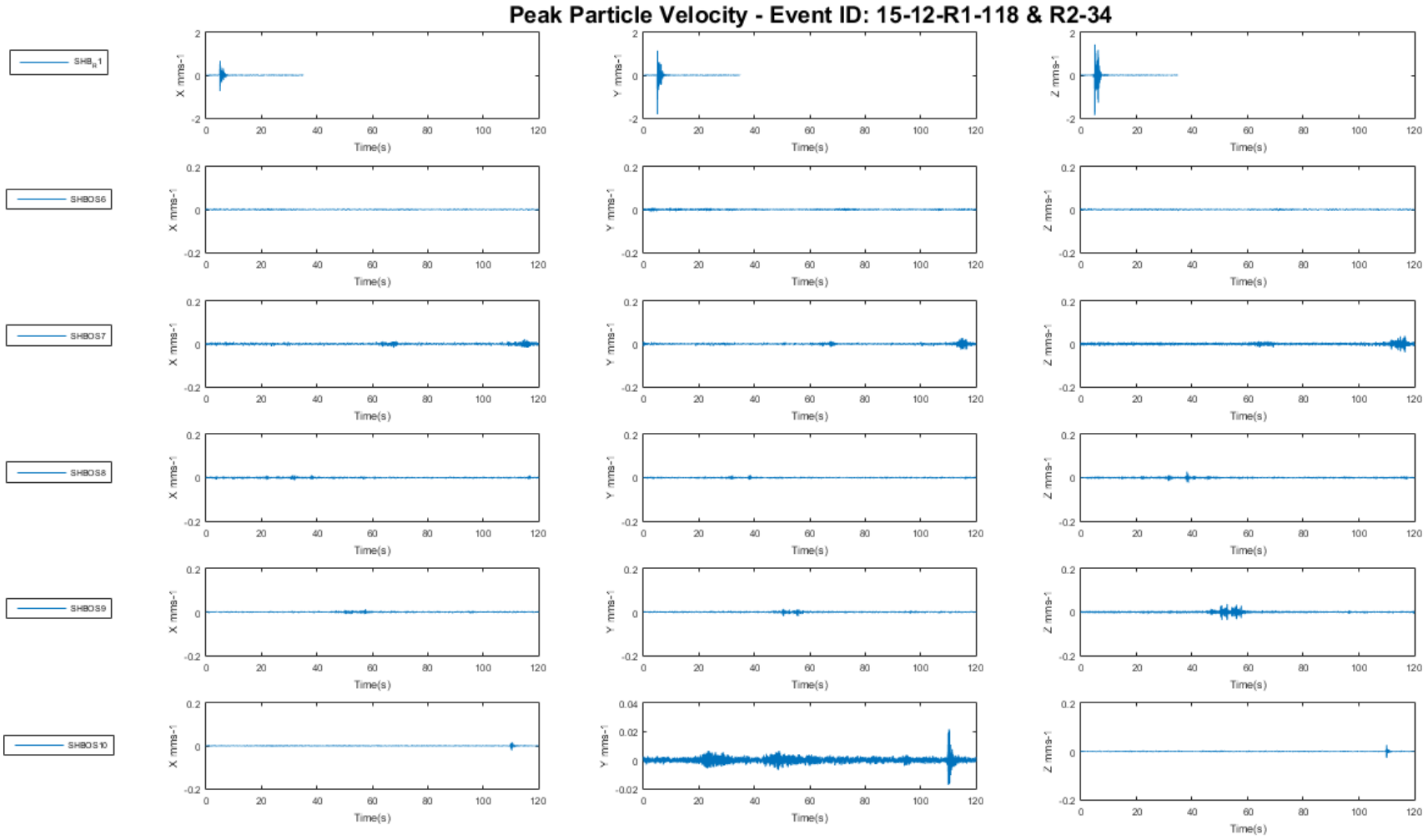


FIGURE 3.1667: SHB_OS 6 - 10 15-12-R1-118 & R2-34

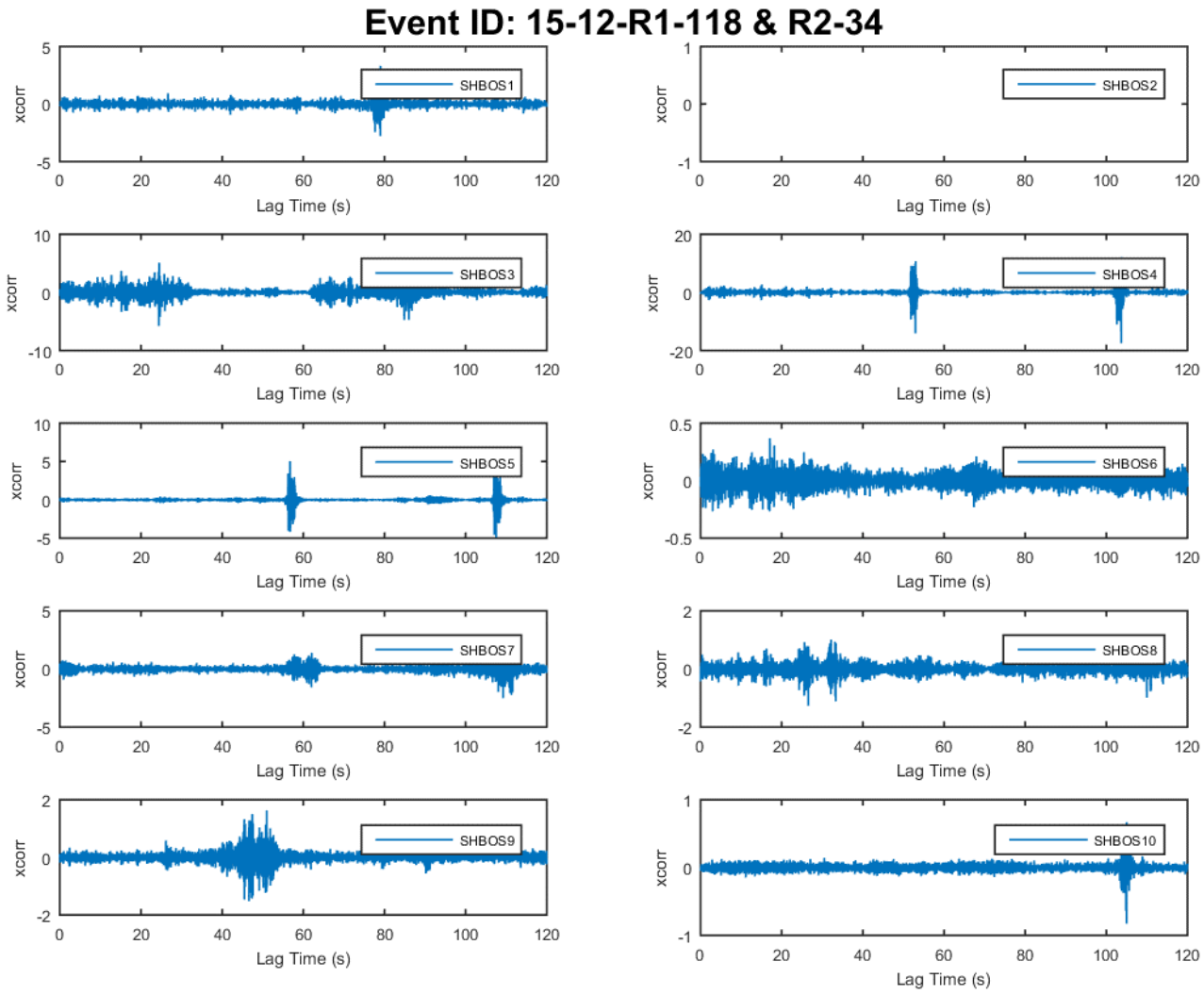


FIGURE 3.1668: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-118 & R2-34

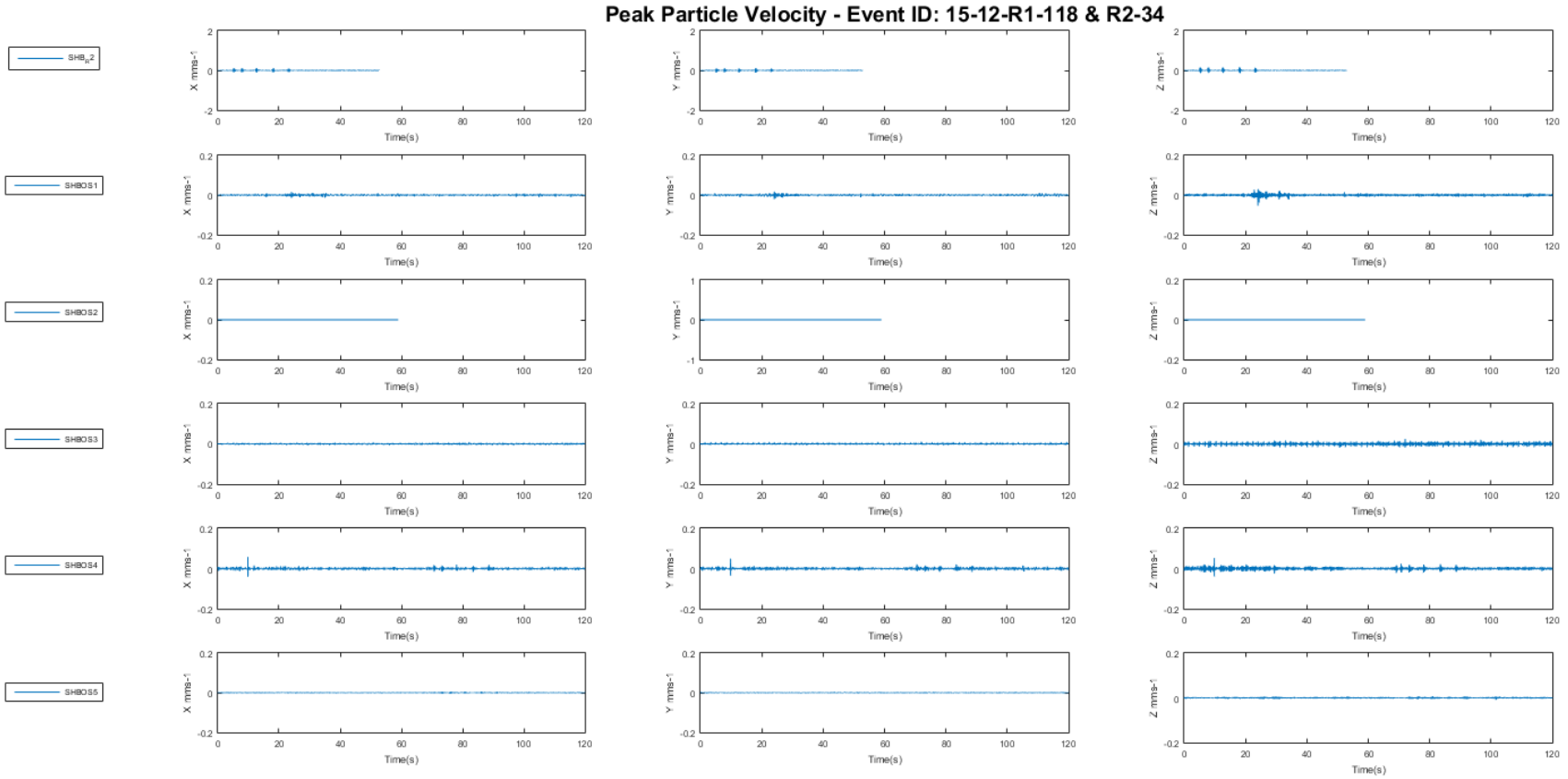


FIGURE 3.1669: SHB_OS 1 - 5 15-12-R1-118 & R2-34

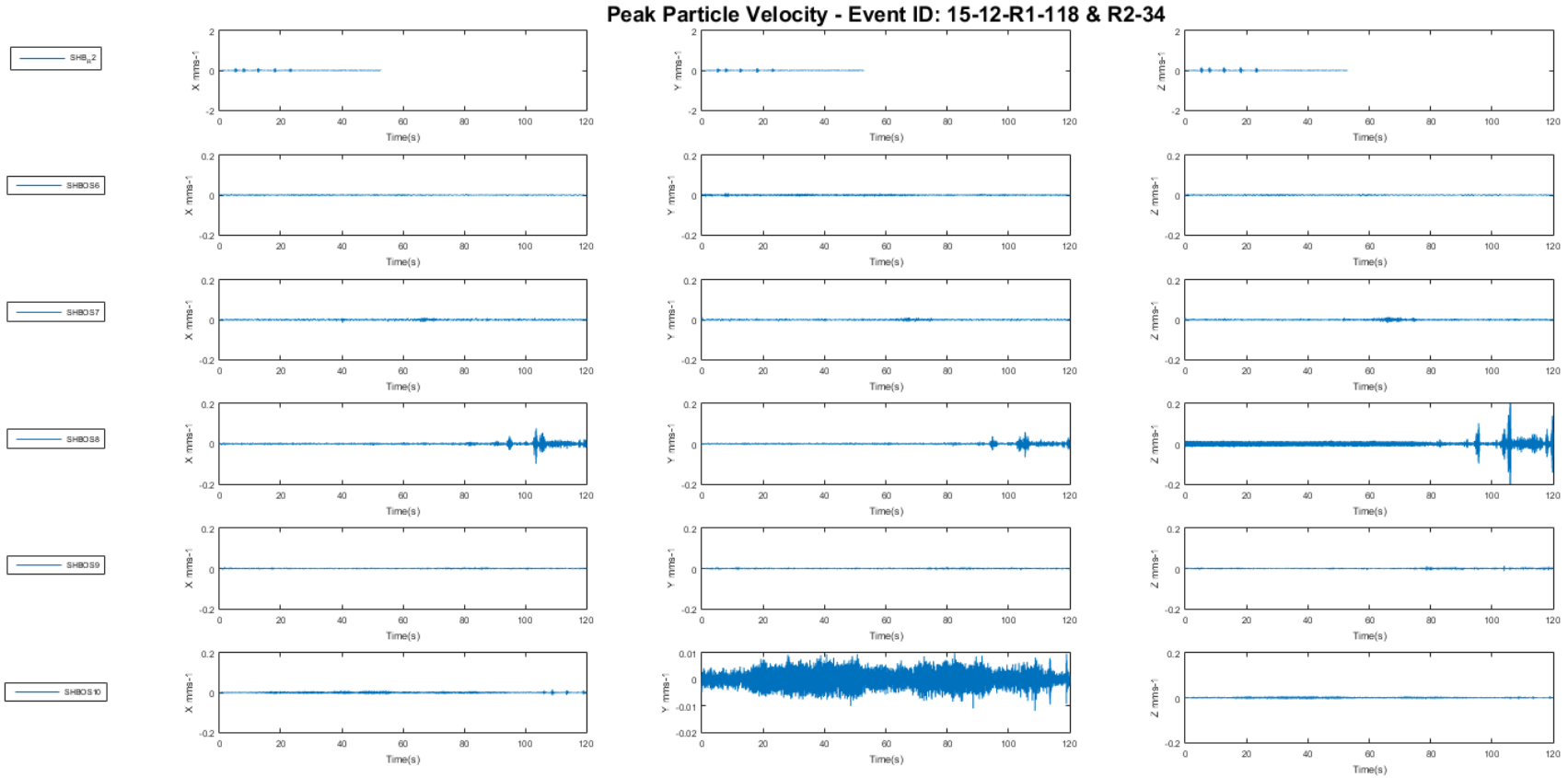


FIGURE 3.1670: SHB_OS 6 - 10 15-12-R1-118 & R2-34

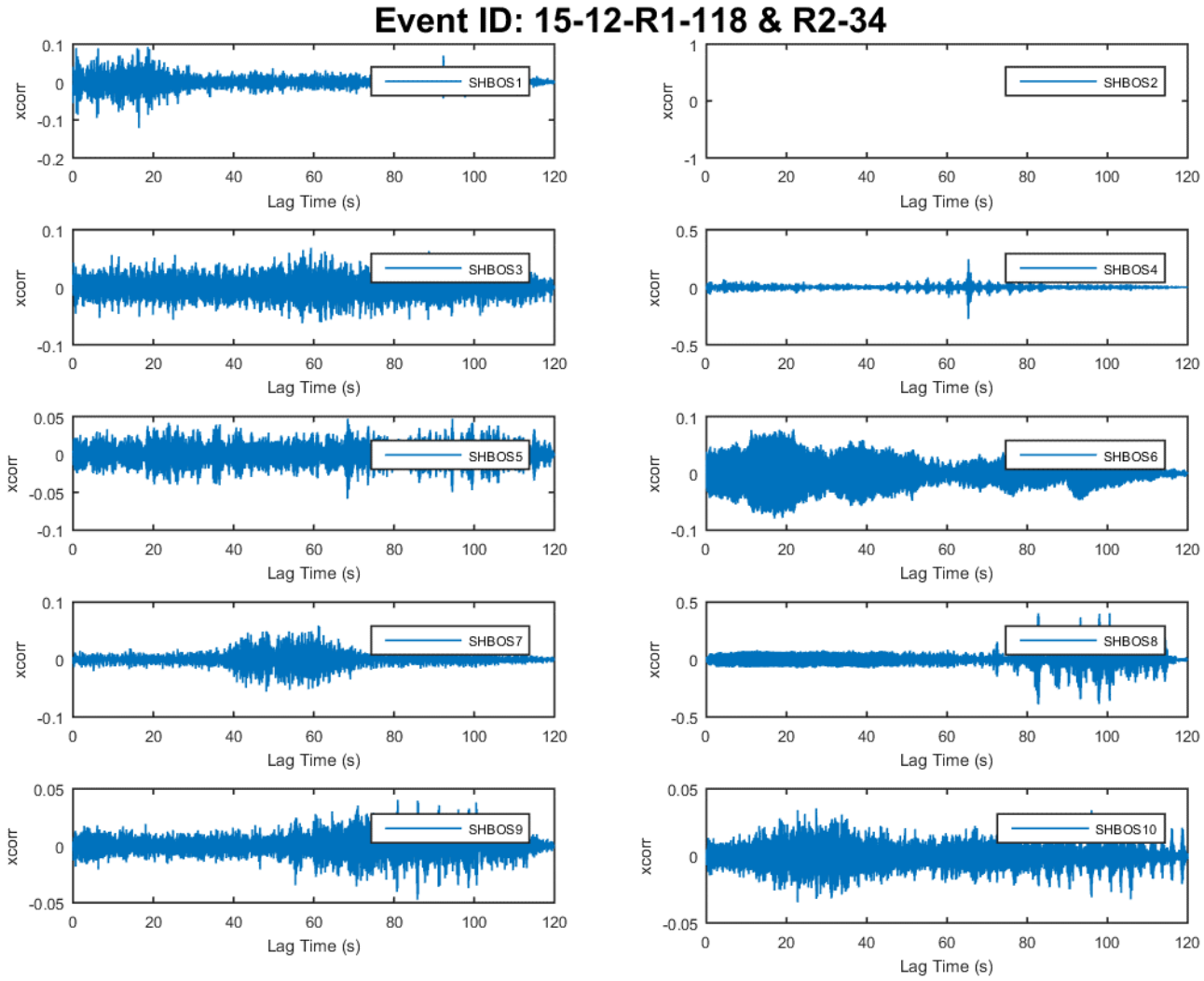


FIGURE 3.1671: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-118 & R2-34

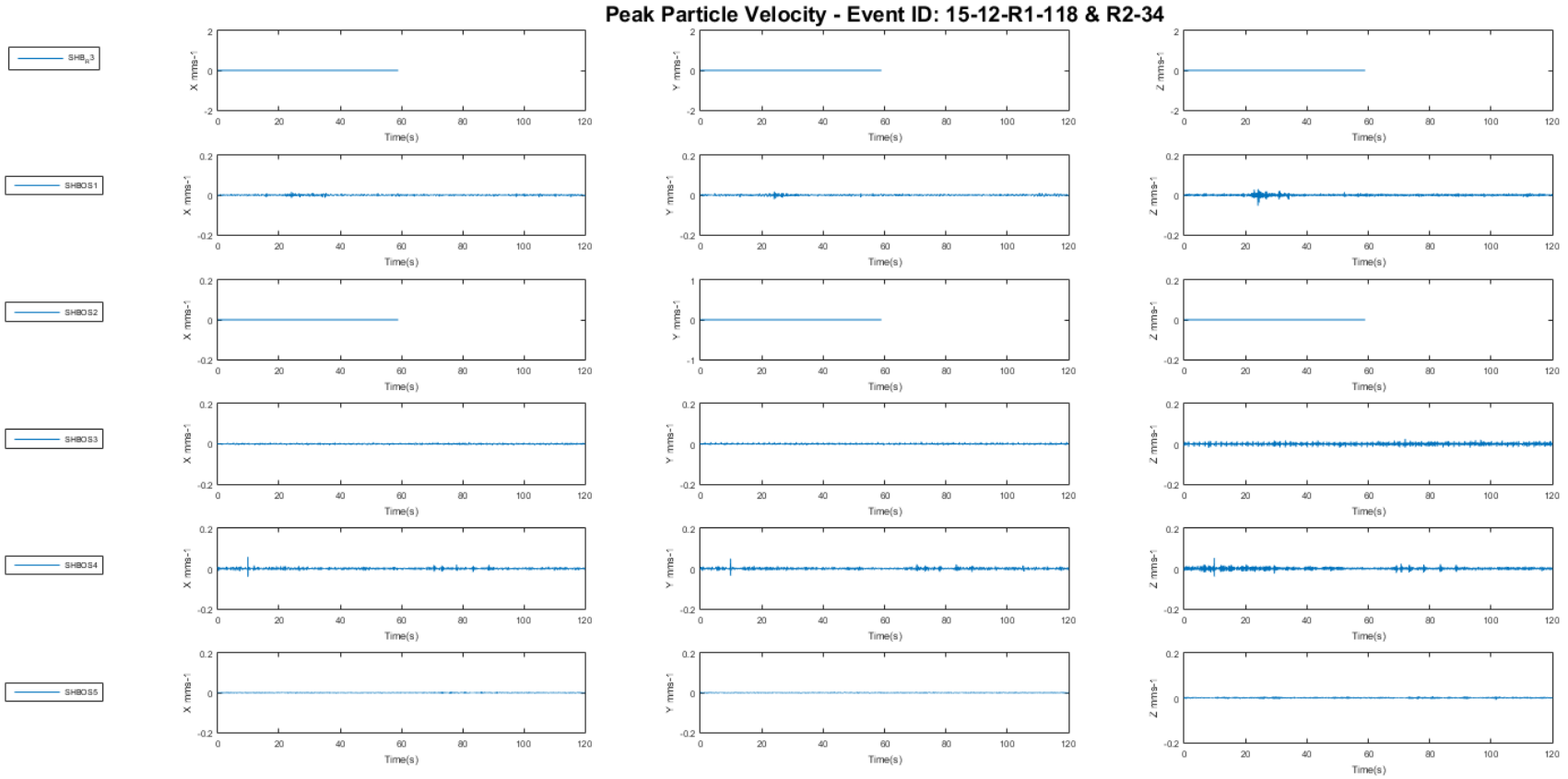


FIGURE 3.1672: SHB_OS 1 - 5 15-12-R1-118 & R2-34

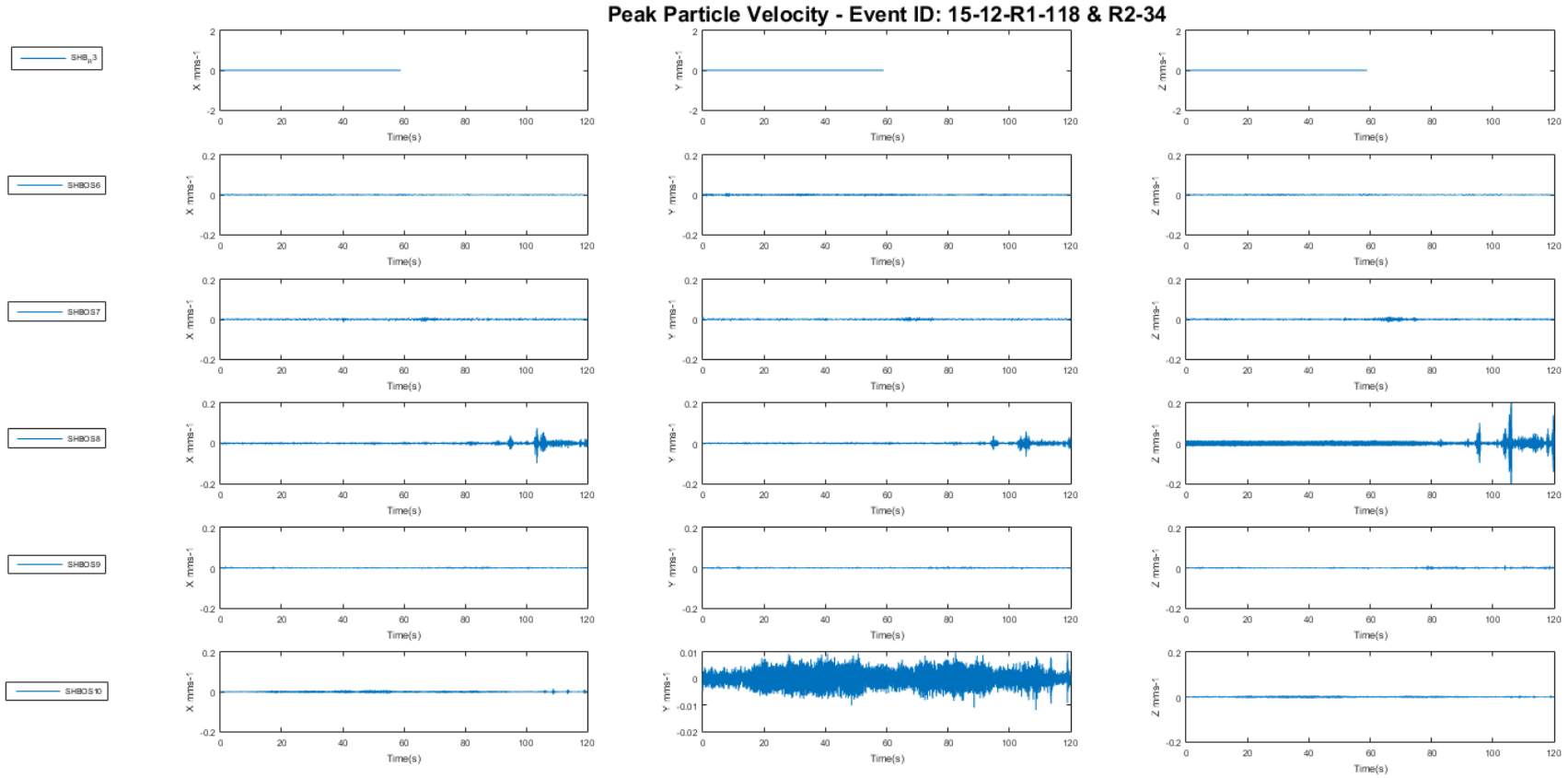


FIGURE 3.1673: SHB_OS 6 - 10 15-12-R1-118 & R2-34

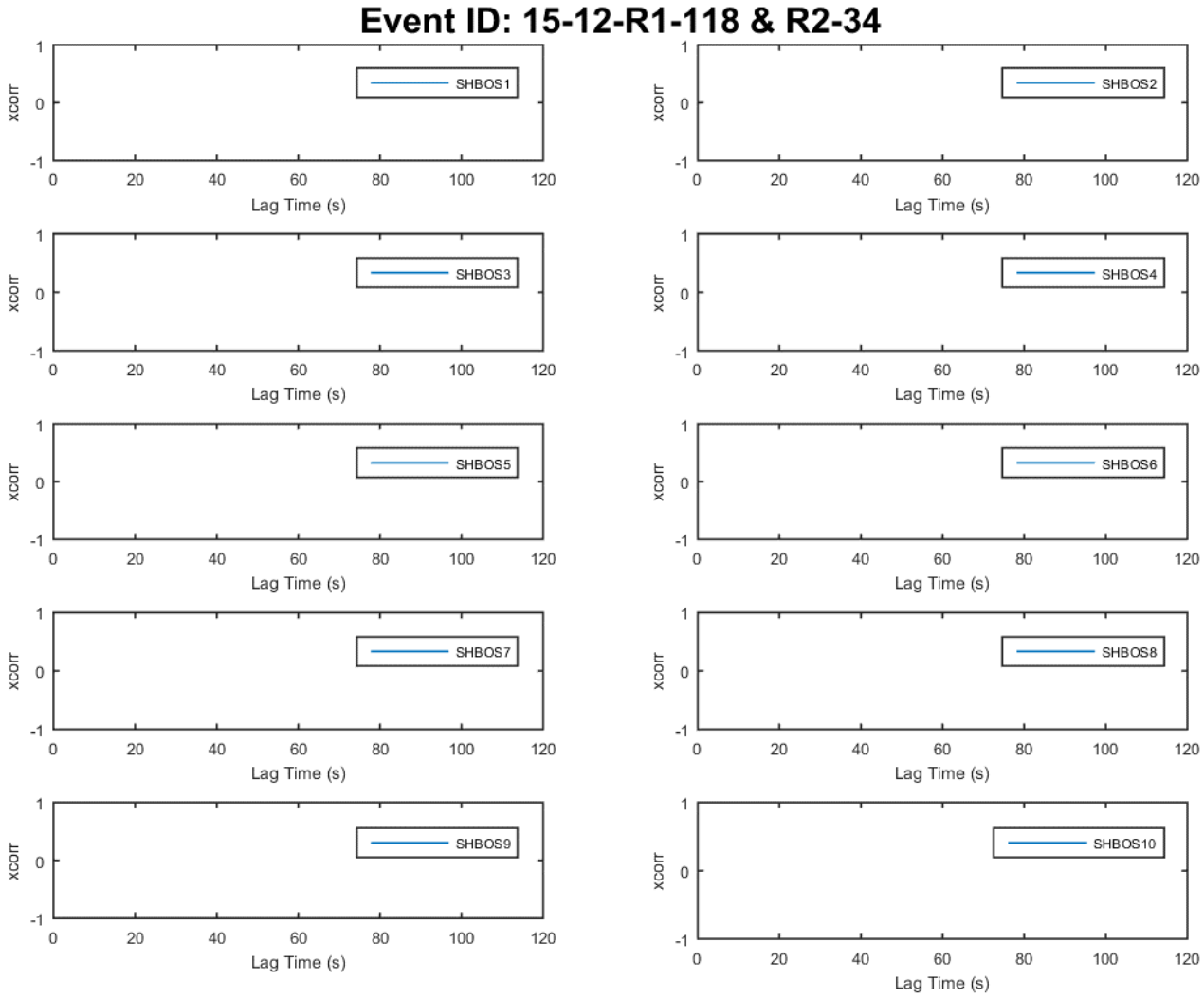


FIGURE 3.1674: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-118 & R2-34

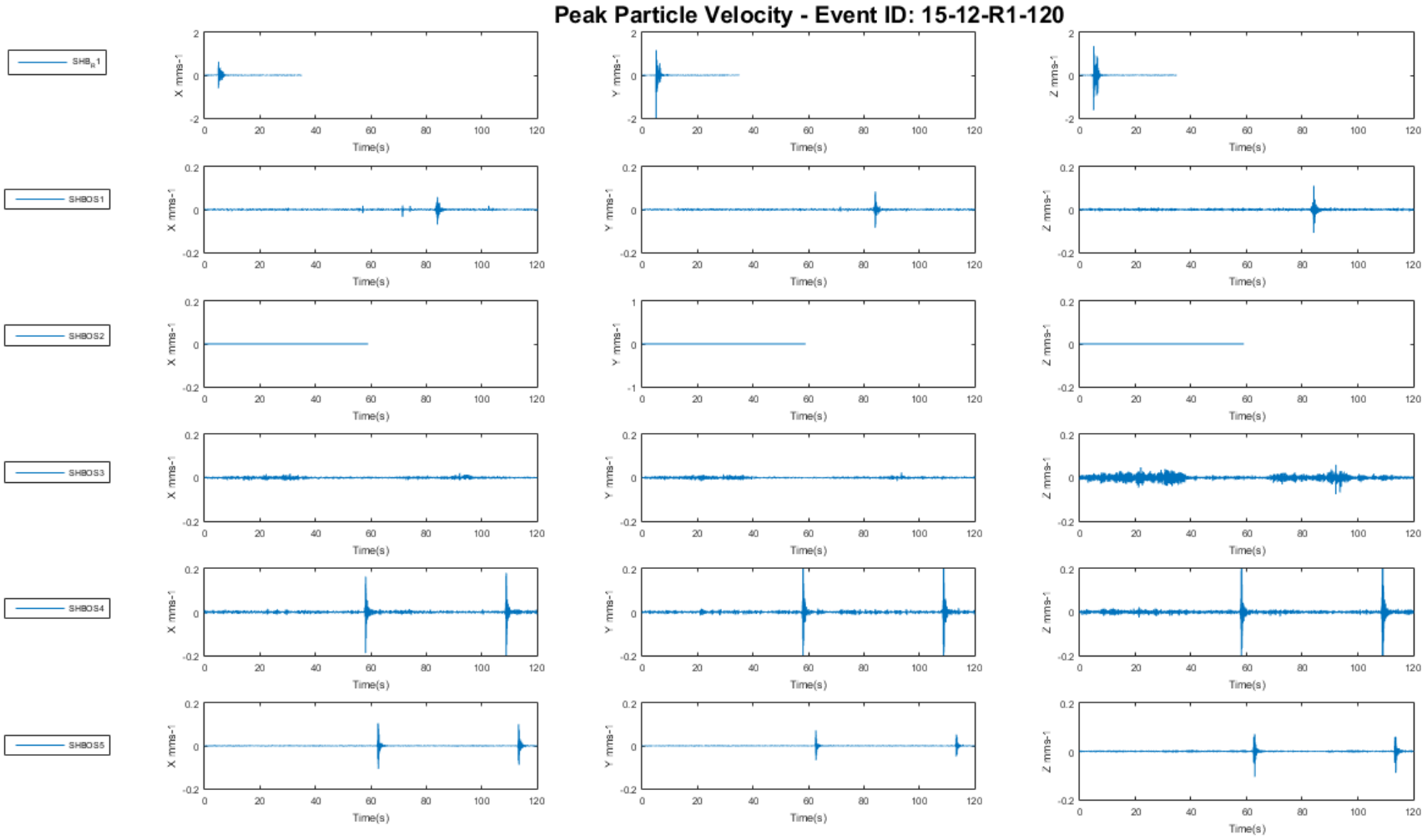


FIGURE 3.1675: SHB_OS 1 - 5 15-12-R1-120

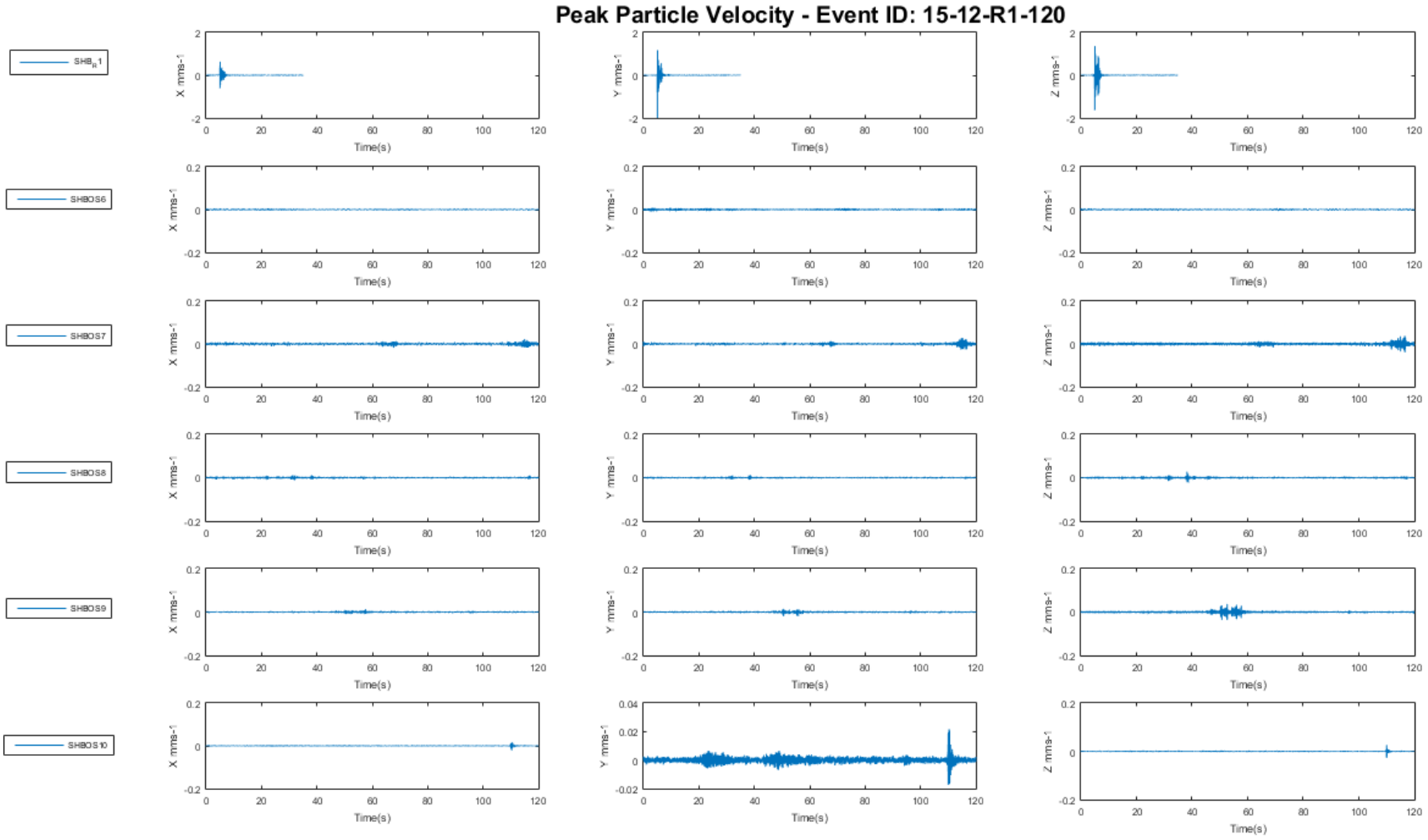


FIGURE 3.1676: SHB_OS 6 - 10 15-12-R1-120

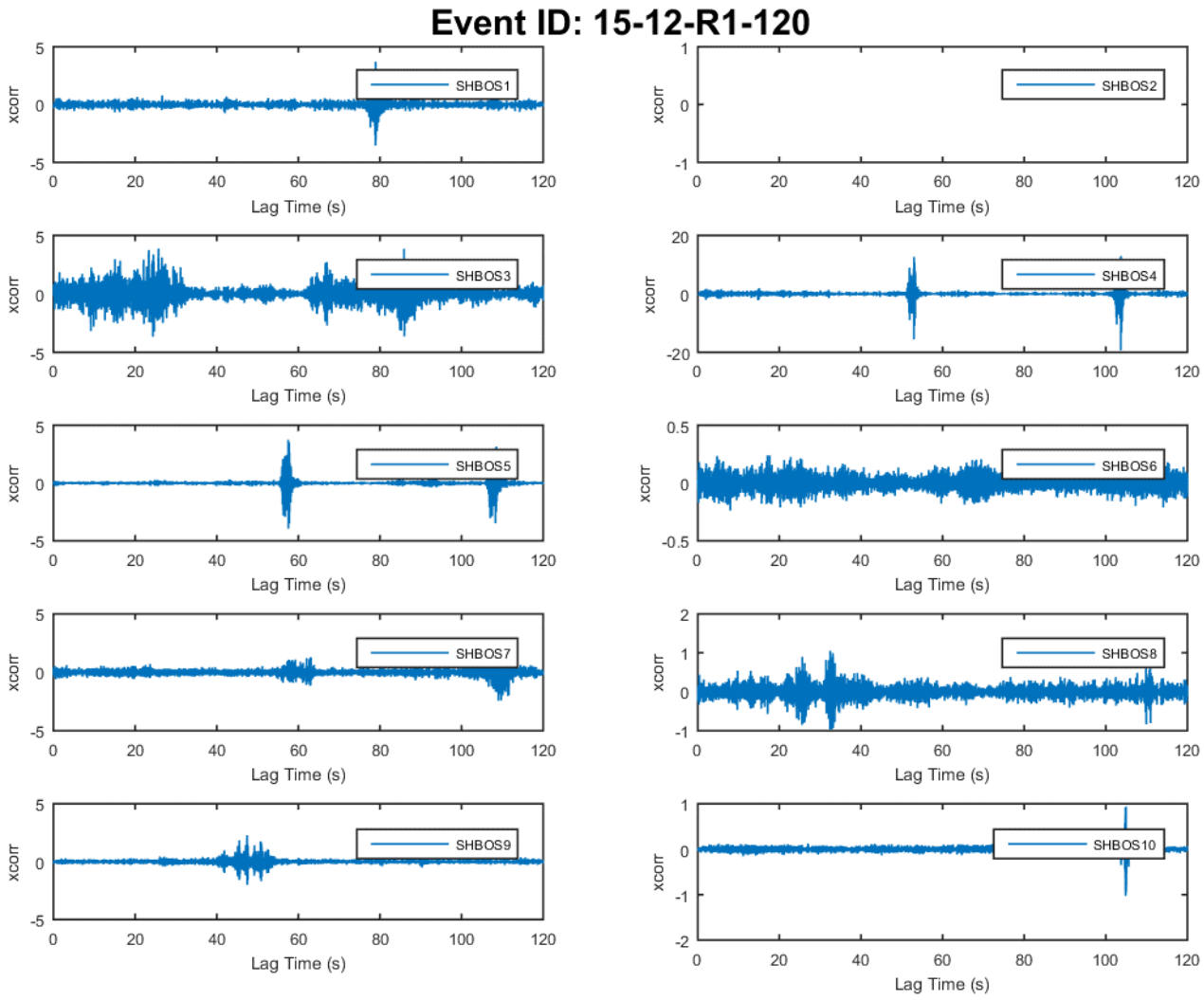


FIGURE 3.1677: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-120

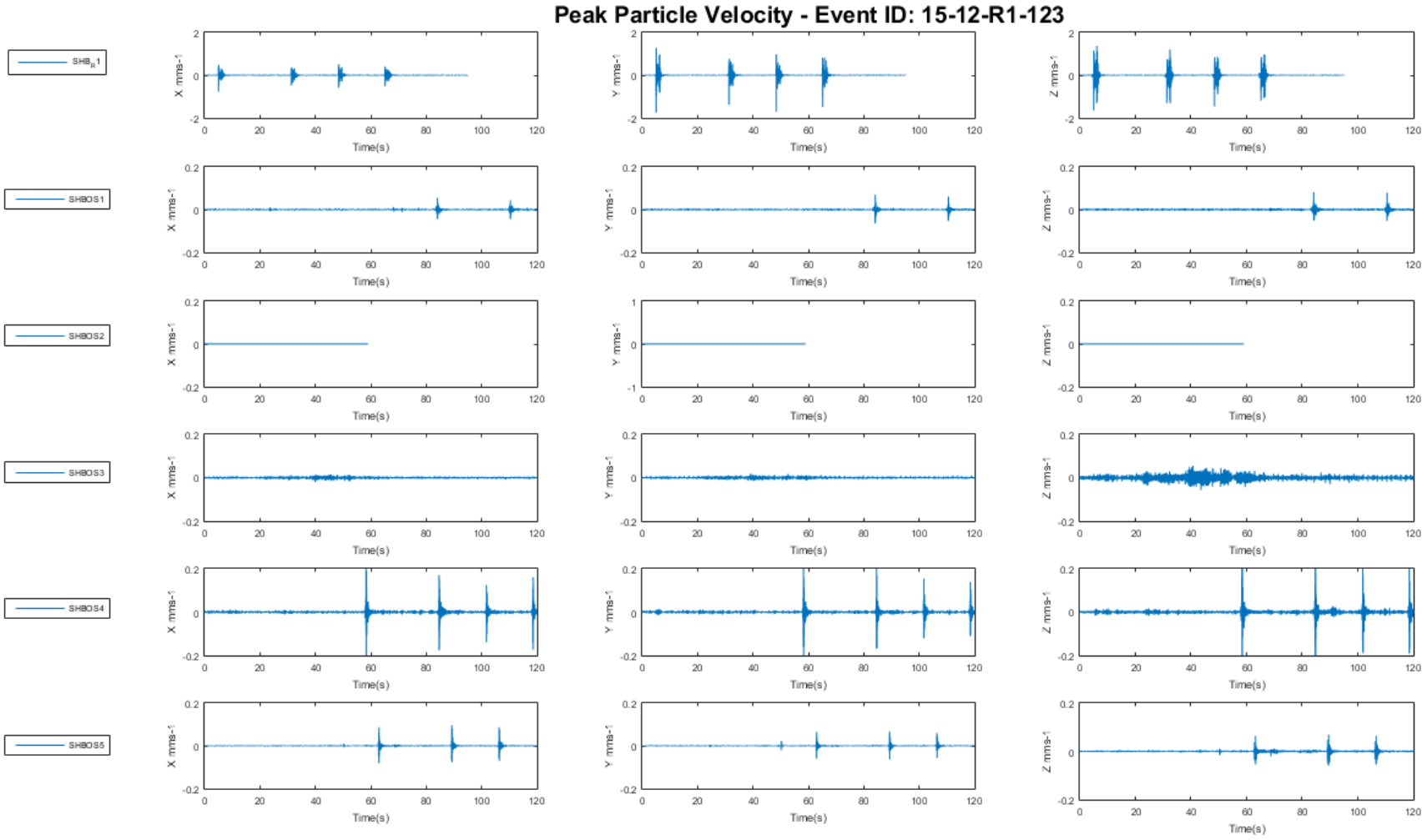


FIGURE 3.1678: SHB_OS 1 - 5 15-12-R1-123

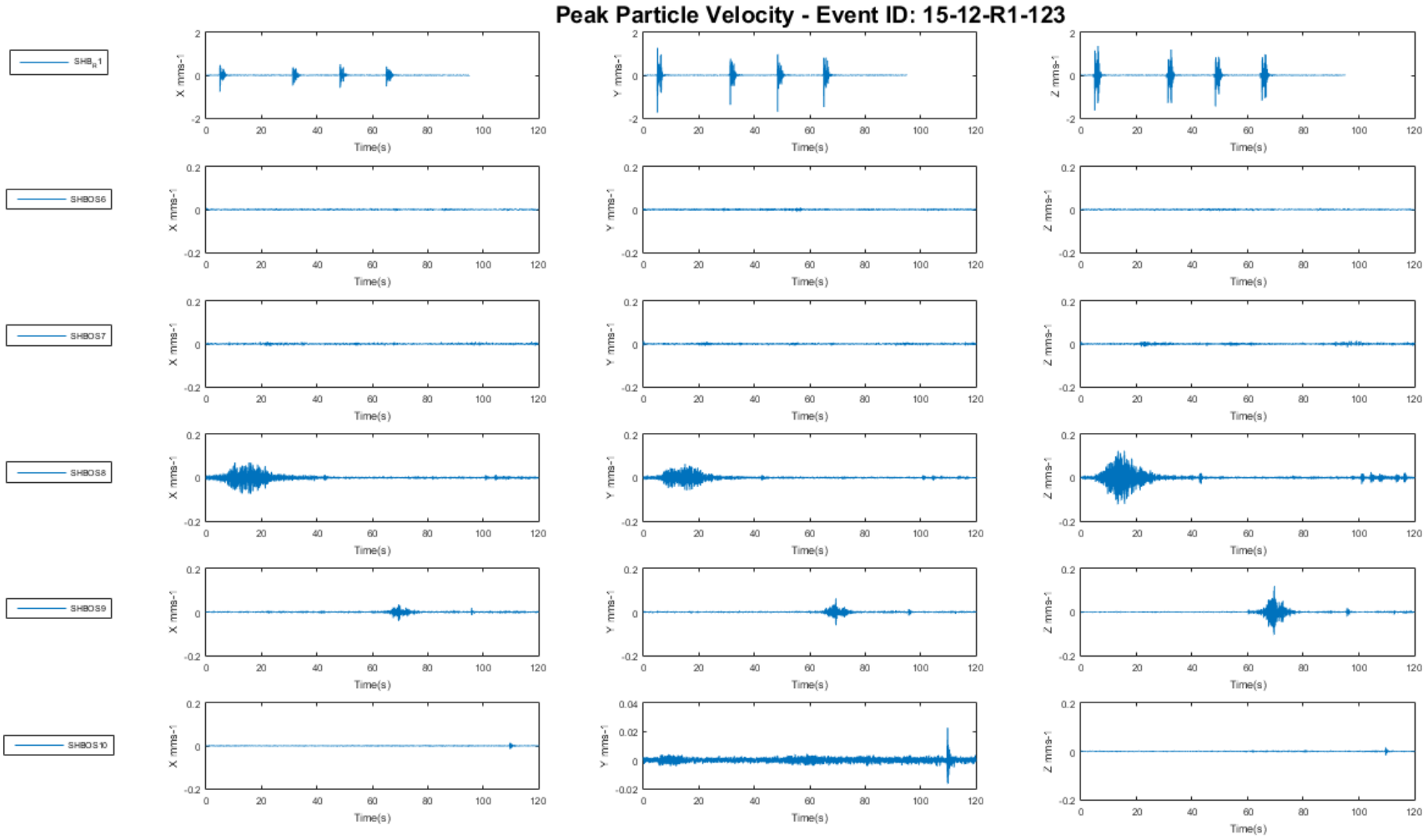


FIGURE 3.1679: SHB_OS 6 - 10 15-12-R1-123

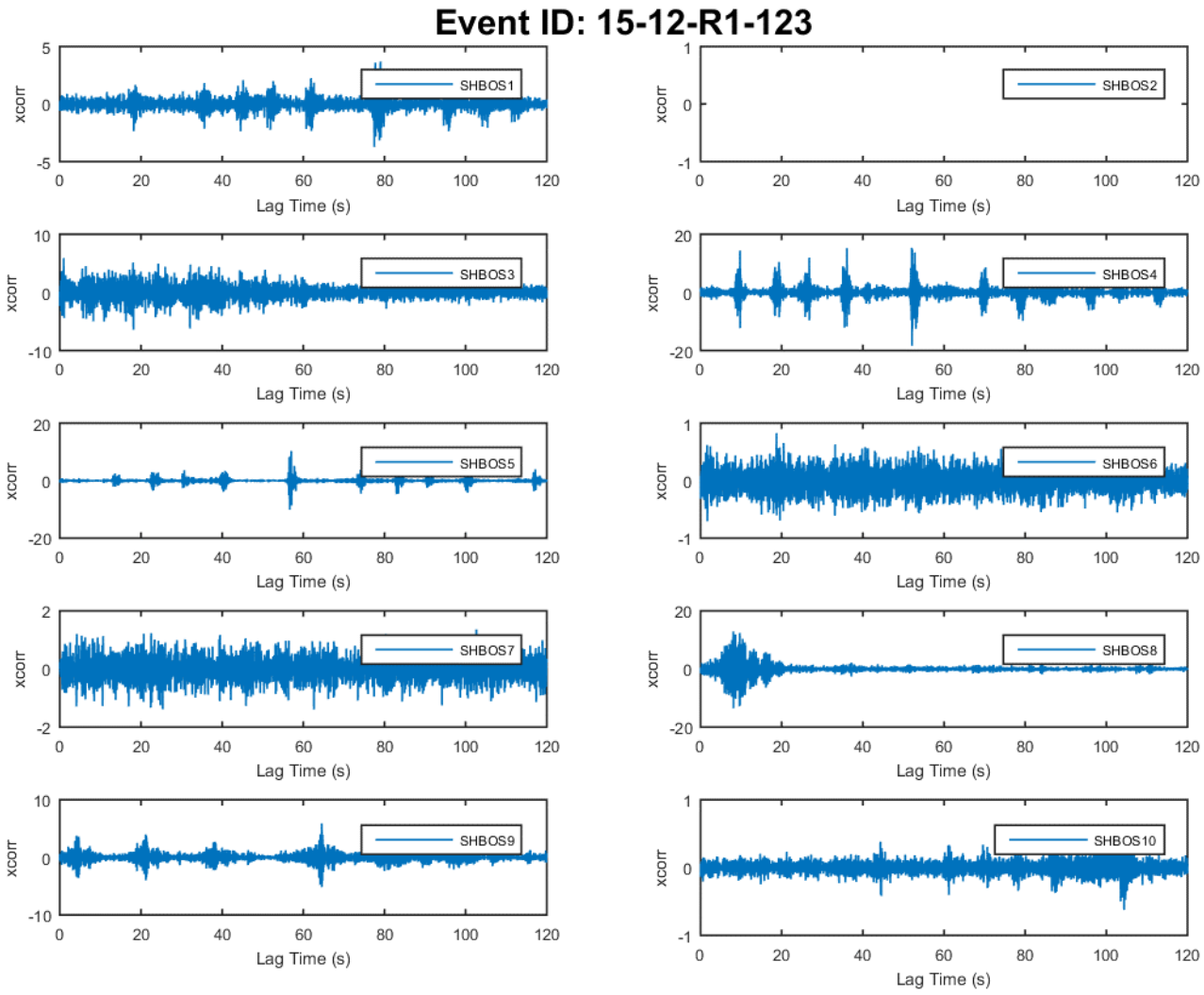


FIGURE 3.1680: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-123

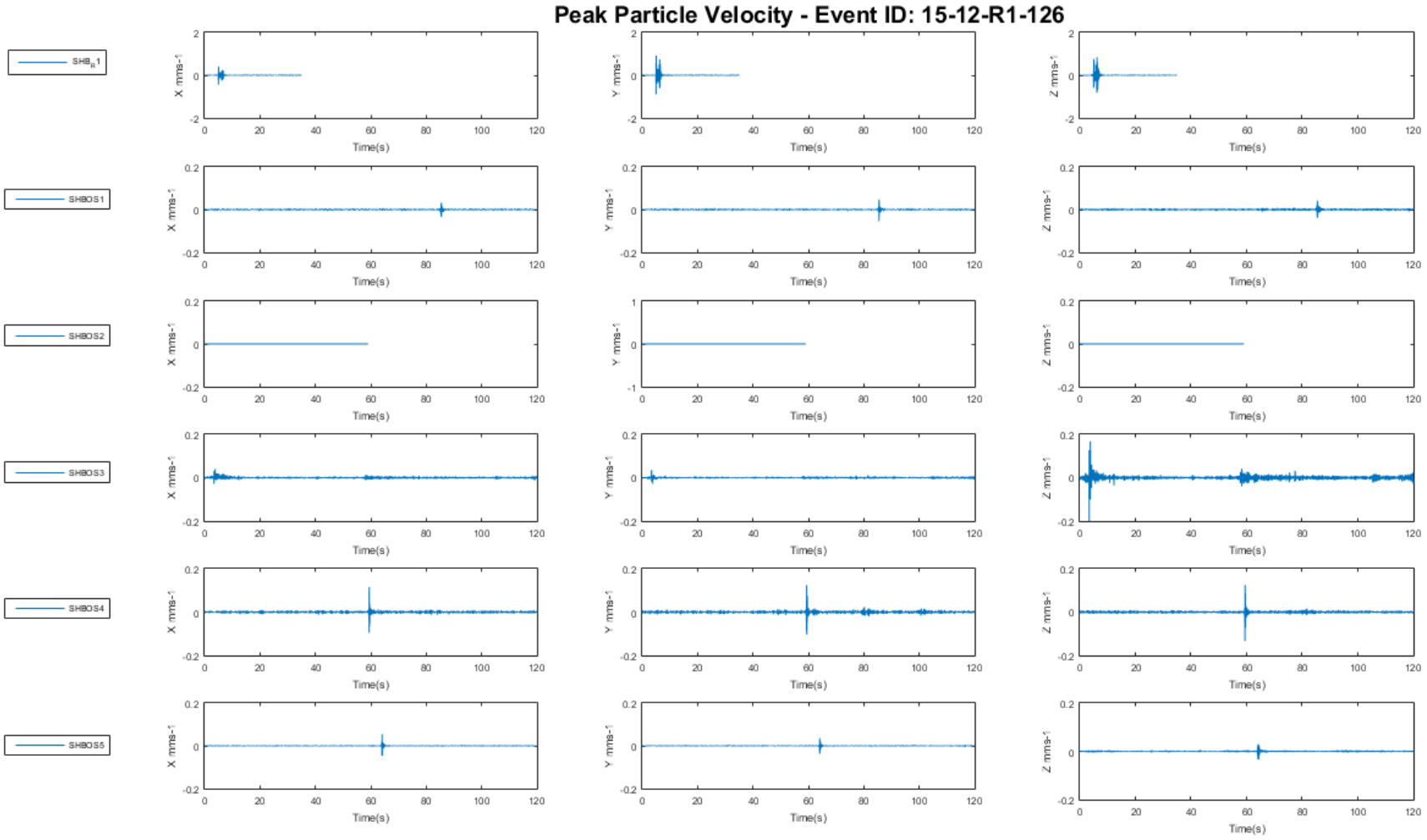


FIGURE 3.1681: SHB_OS 1 - 5 15-12-R1-126

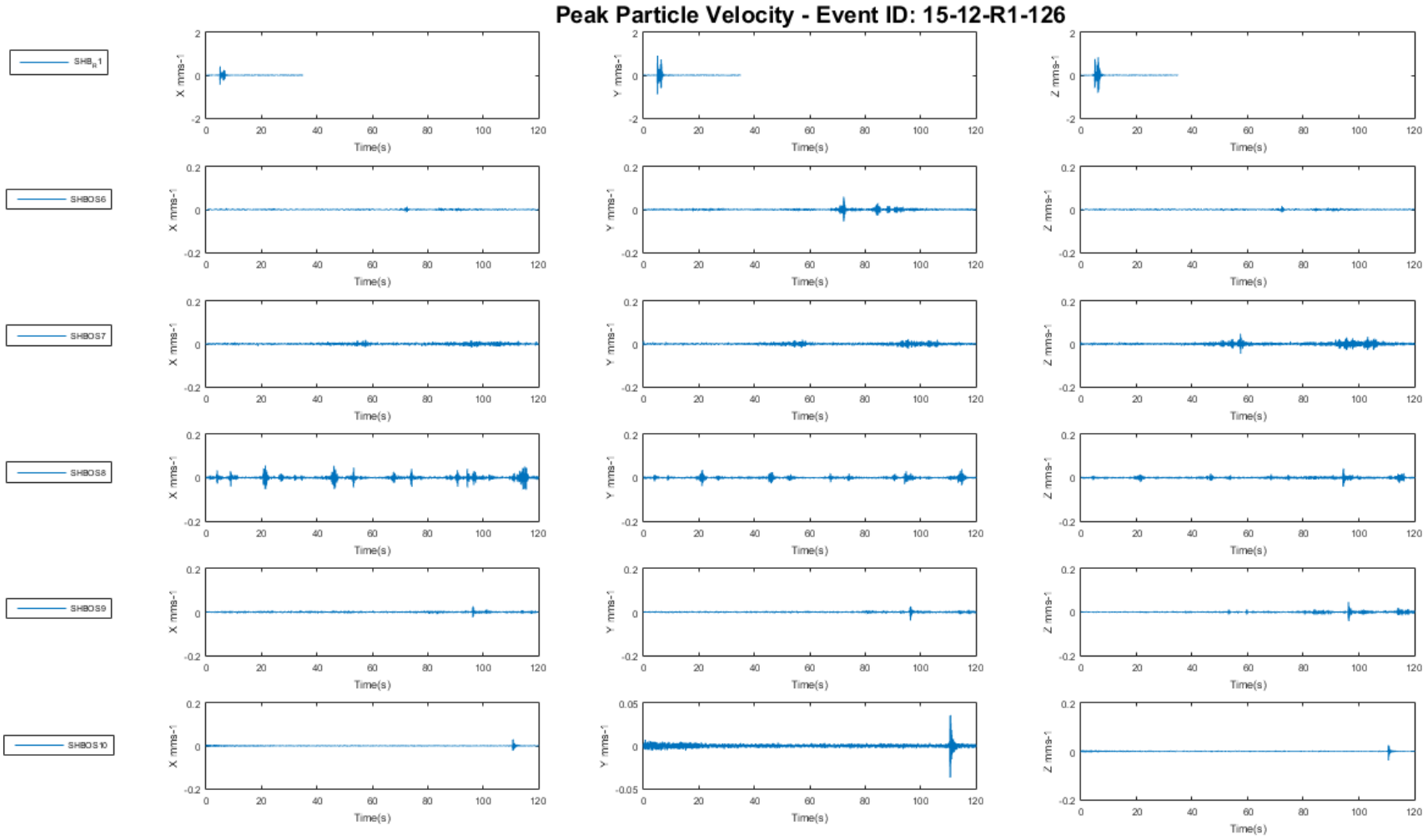


FIGURE 3.1682: SHB_OS 6 - 10 15-12-R1-126

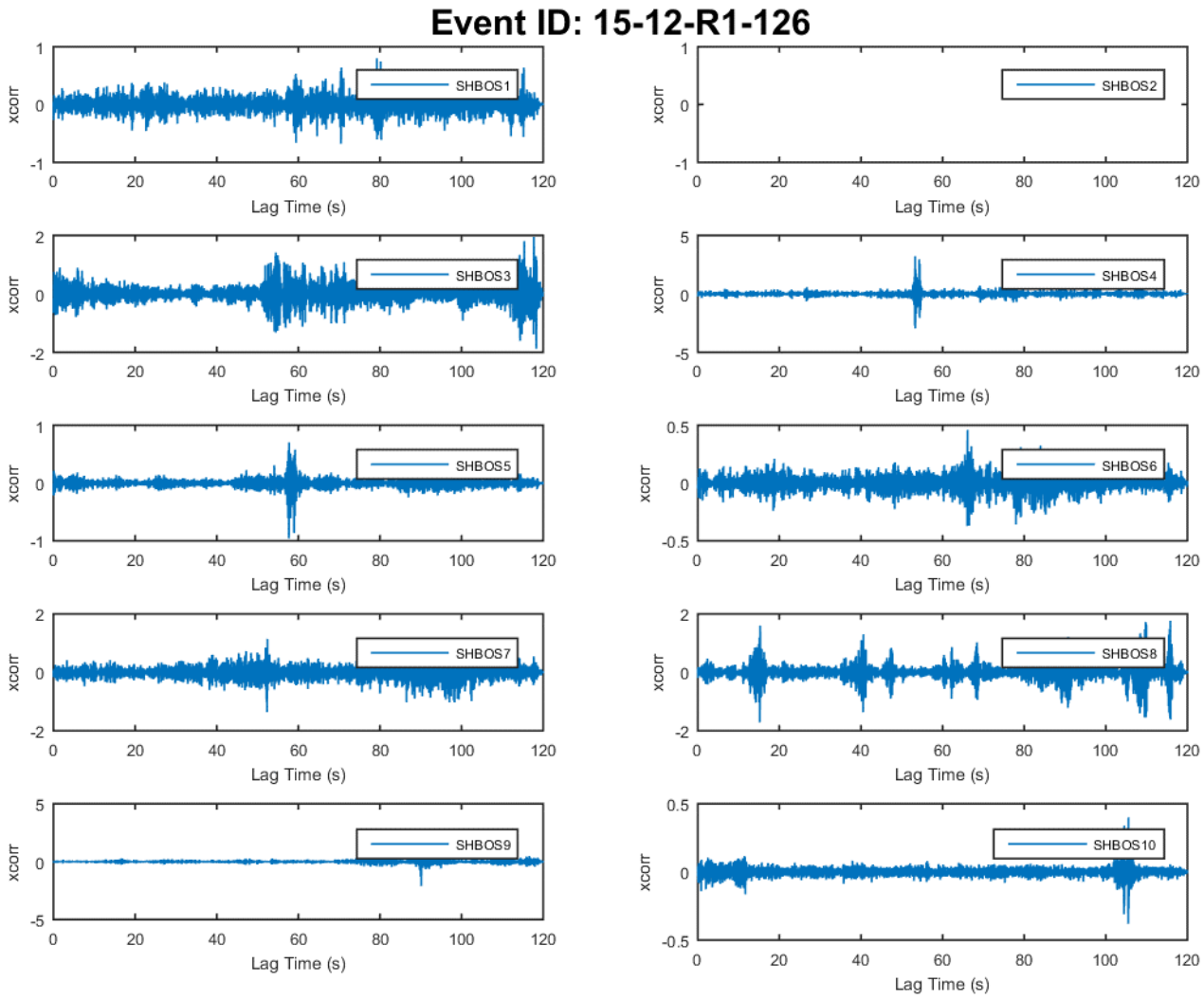


FIGURE 3.1683: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-126

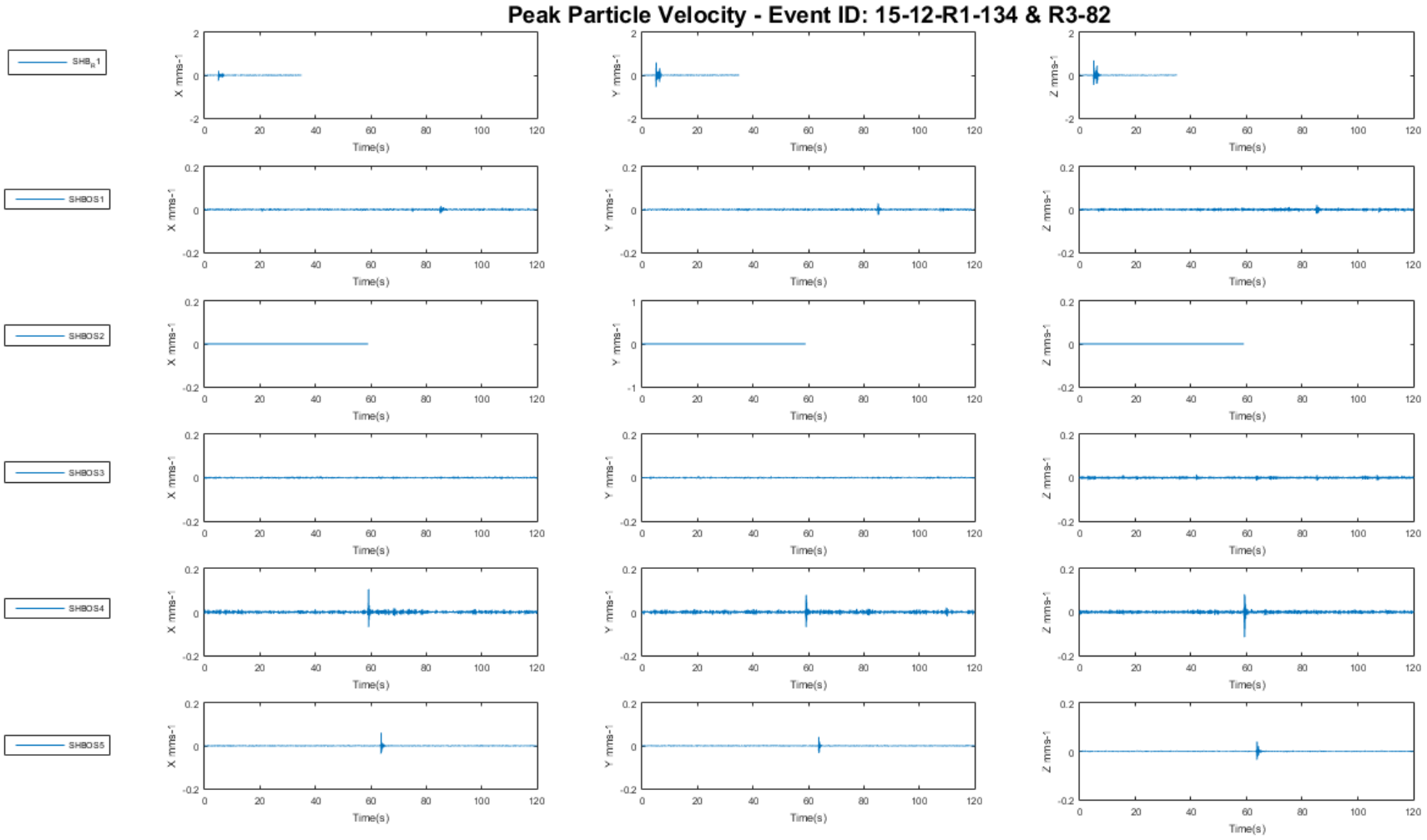


FIGURE 3.1684: SHB_OS 1 - 5 15-12-R1-134 & R3-82

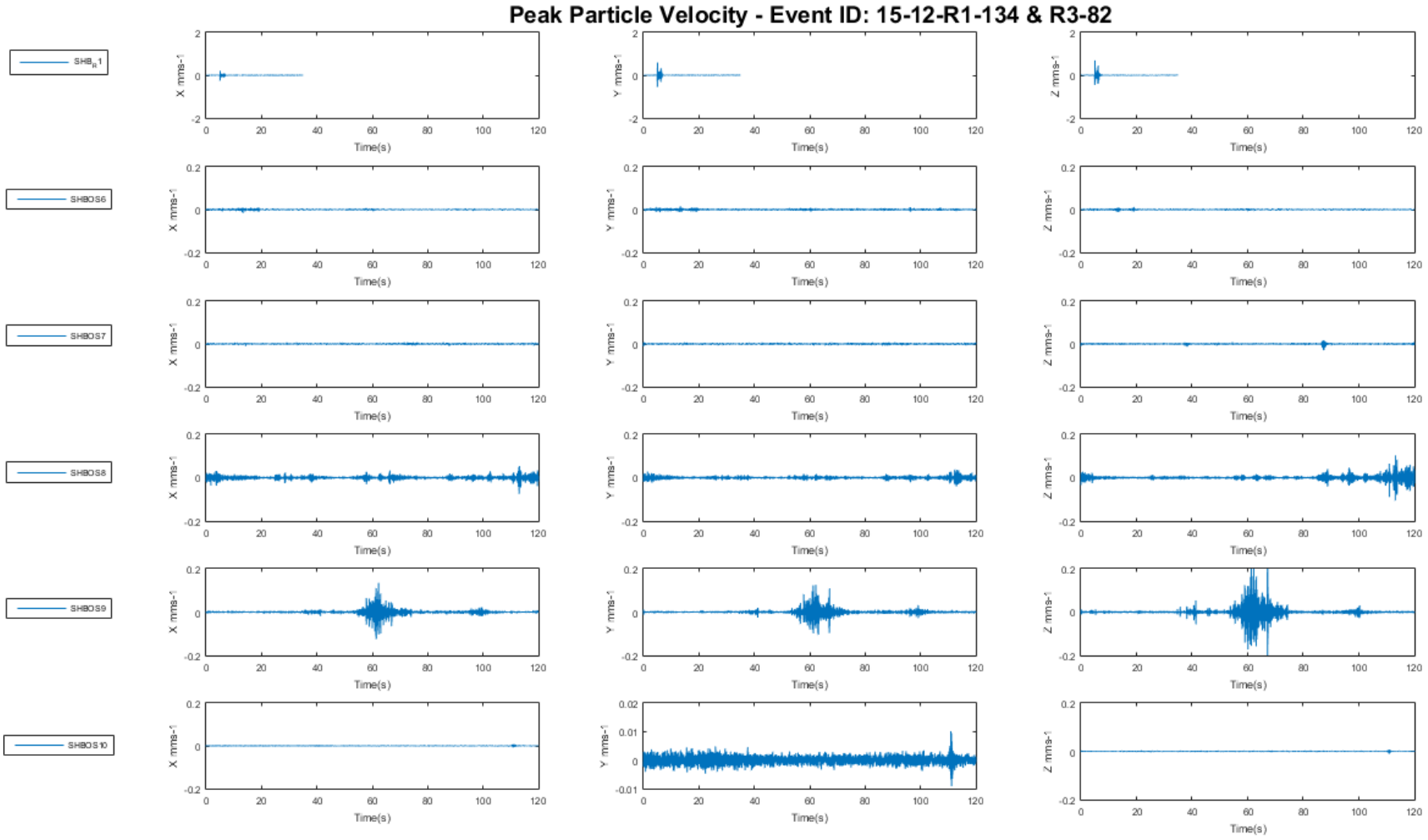


FIGURE 3.1685: SHB_OS 6 - 10 15-12-R1-134 & R3-82

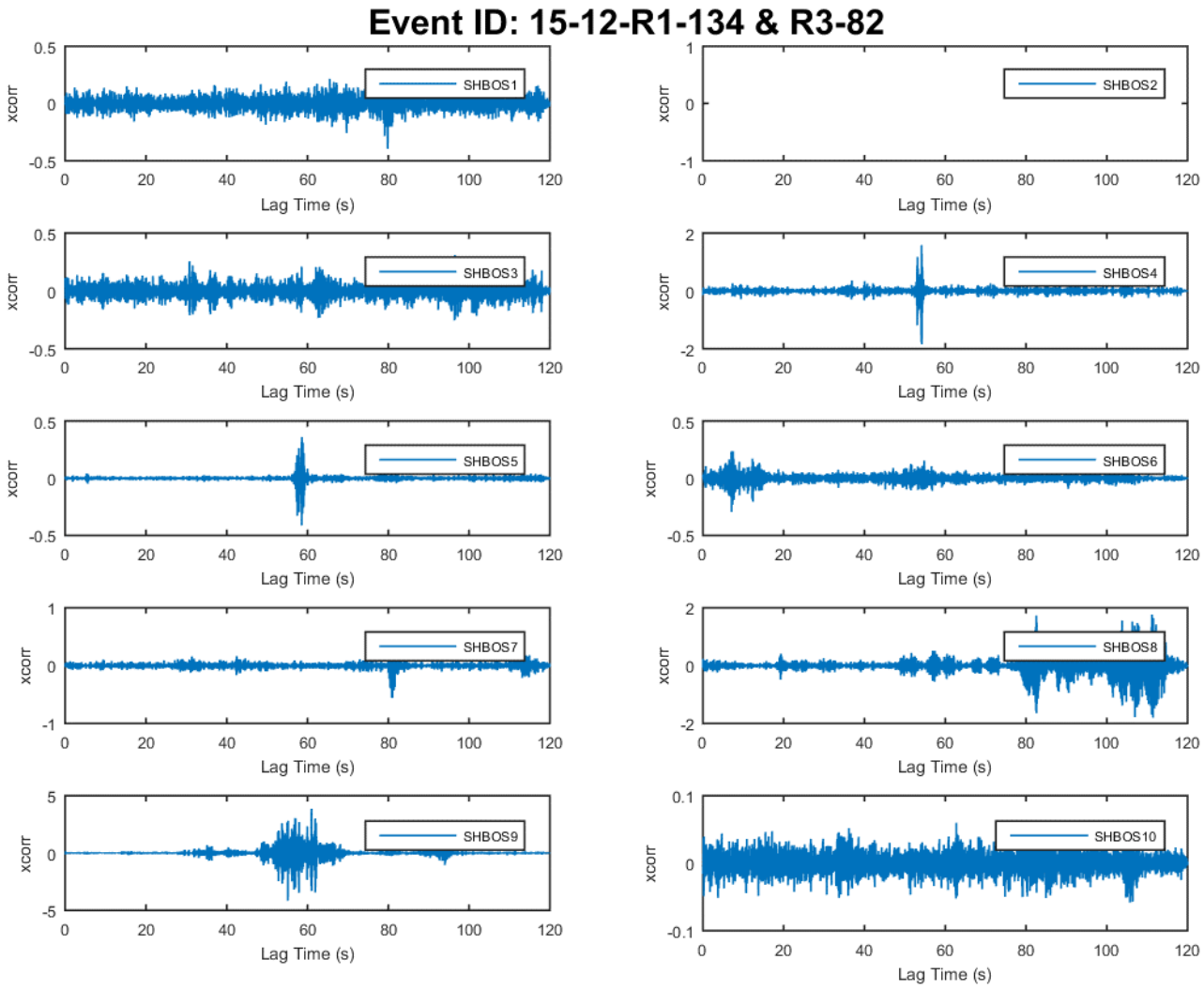


FIGURE 3.1686: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-134 & R3-82

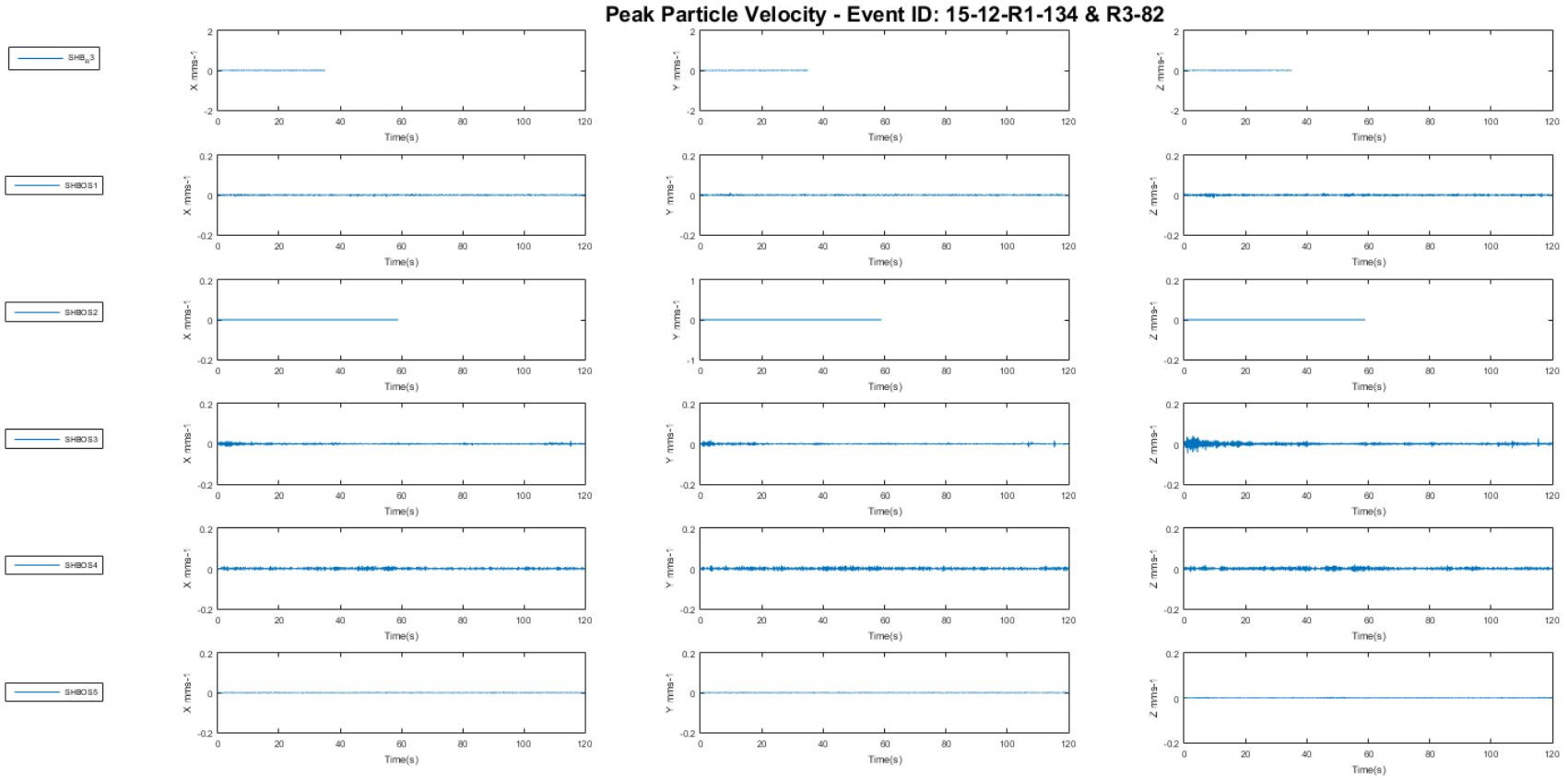


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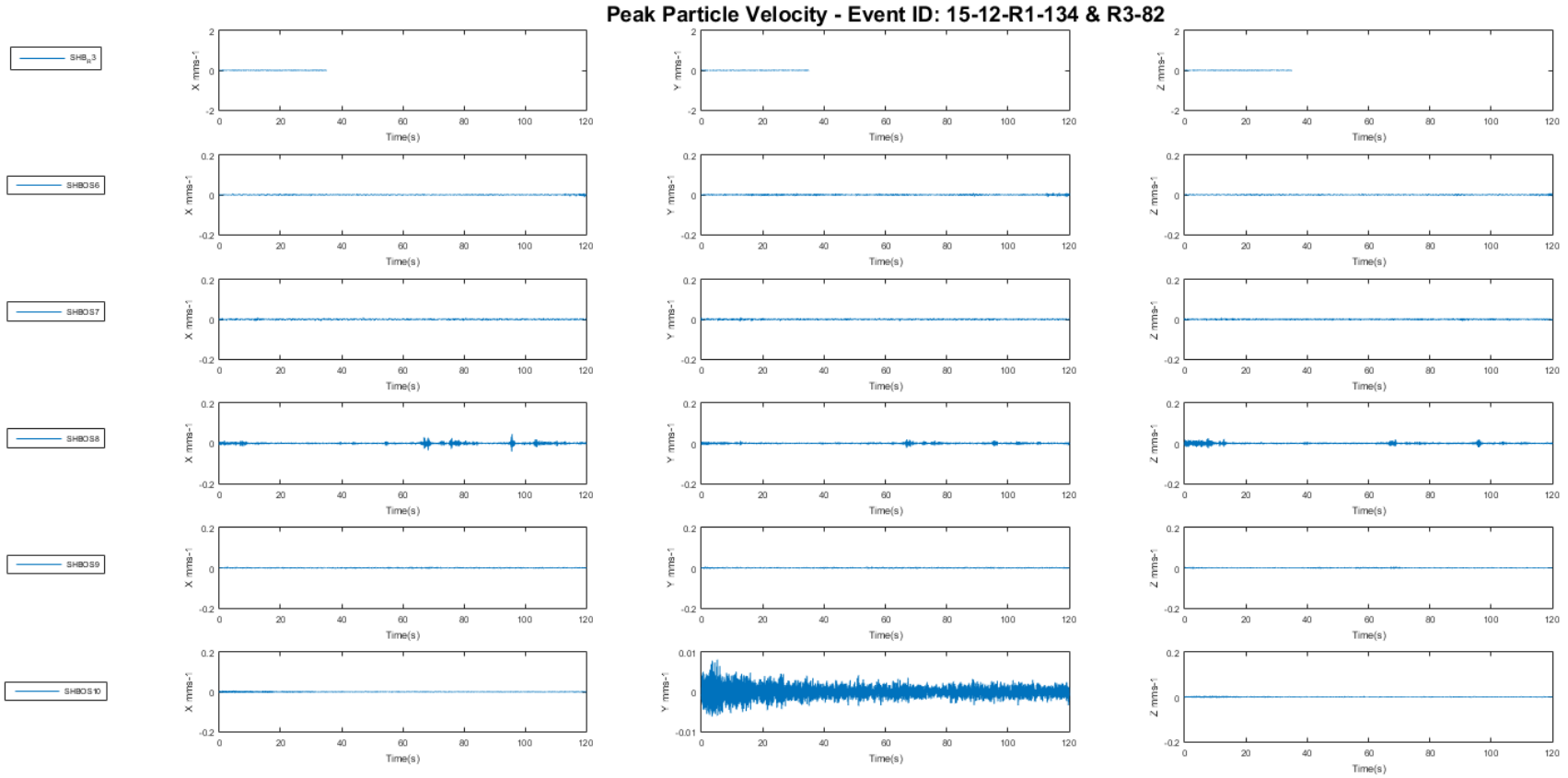


FIGURE 3.1688: SHB_OS 6 - 10 15-12-R1-134 & R3-82

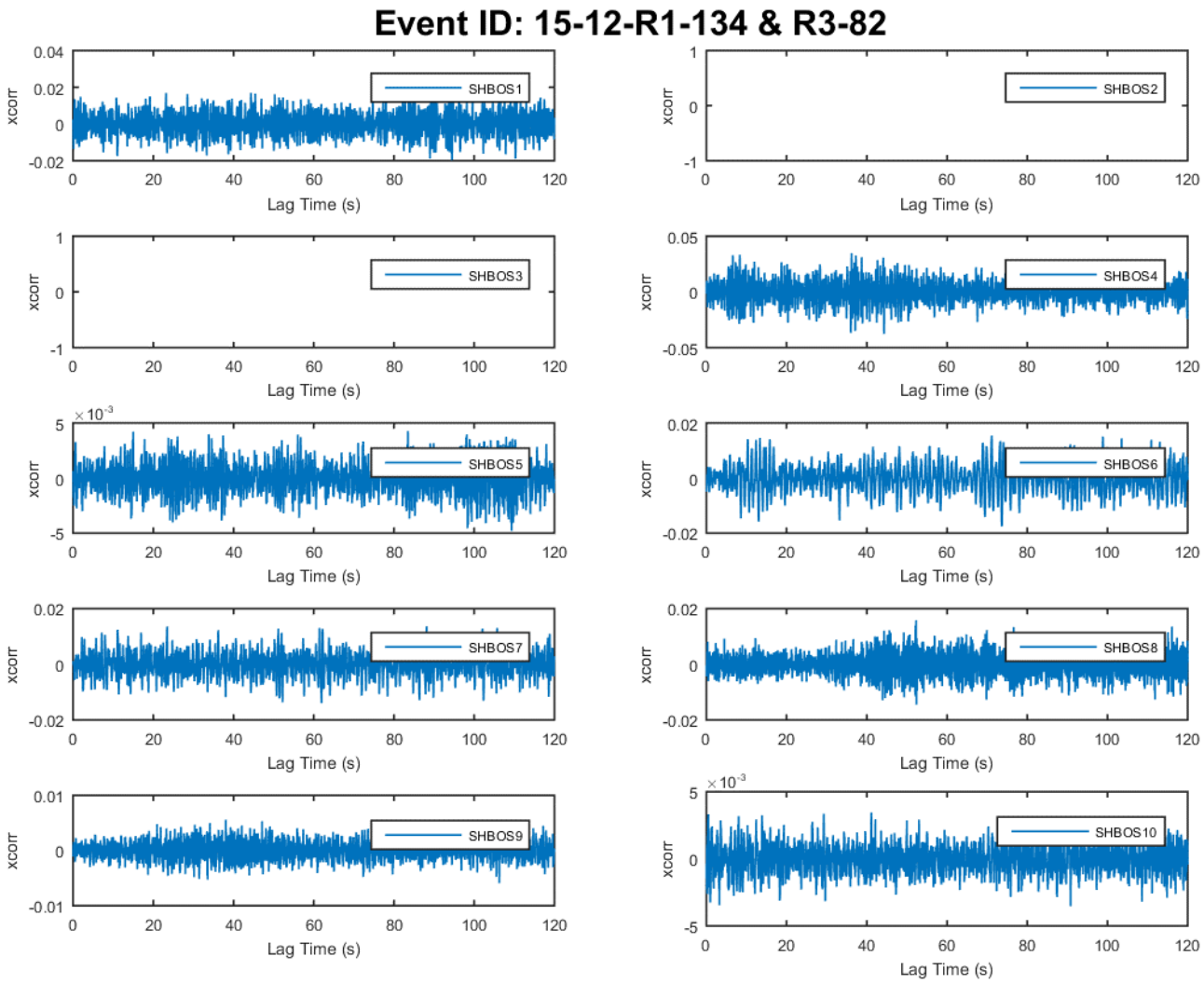


FIGURE 3.1689: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-134 & R3-82

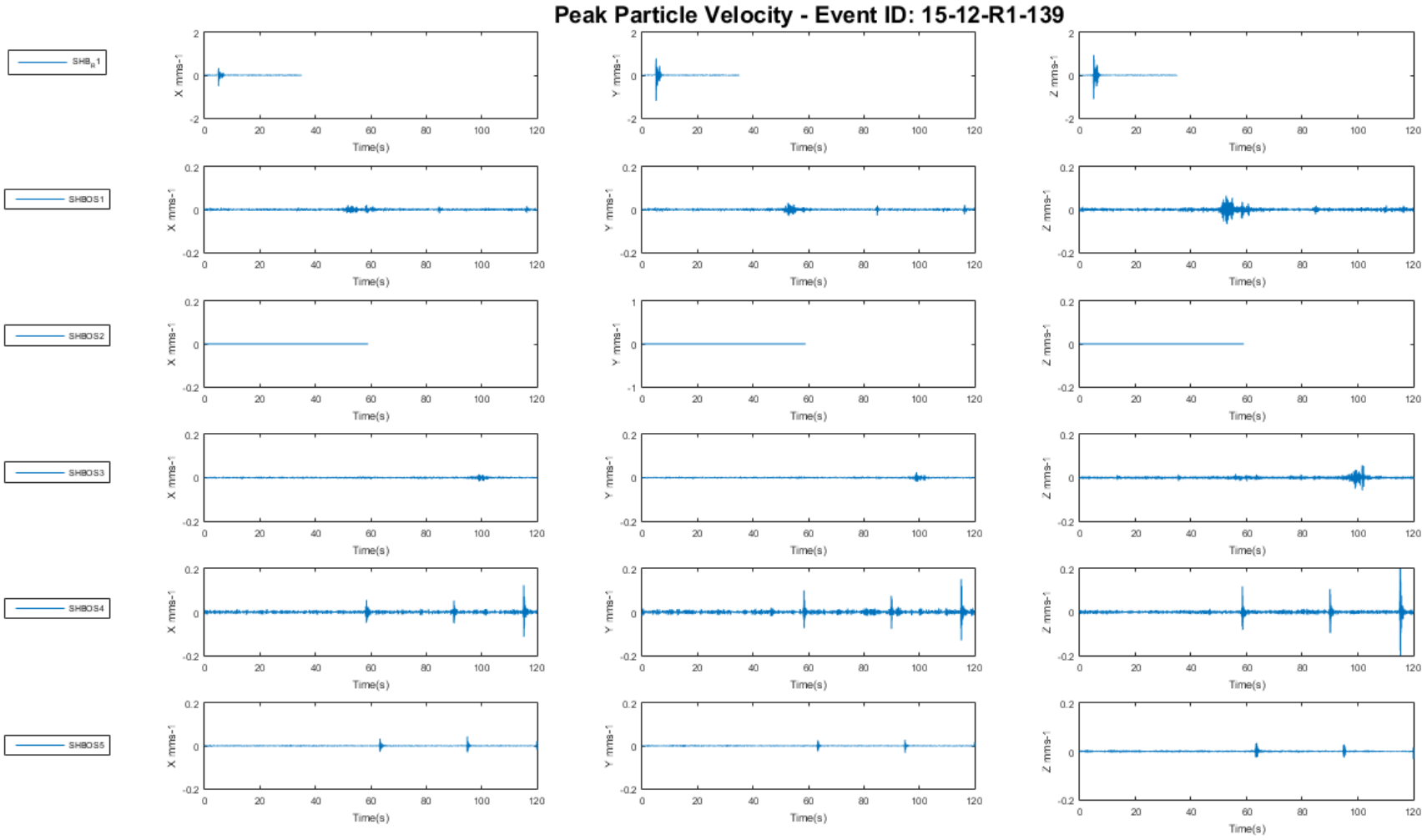


FIGURE 3.1690: SHB_OS 1 - 5 15-12-R1-139

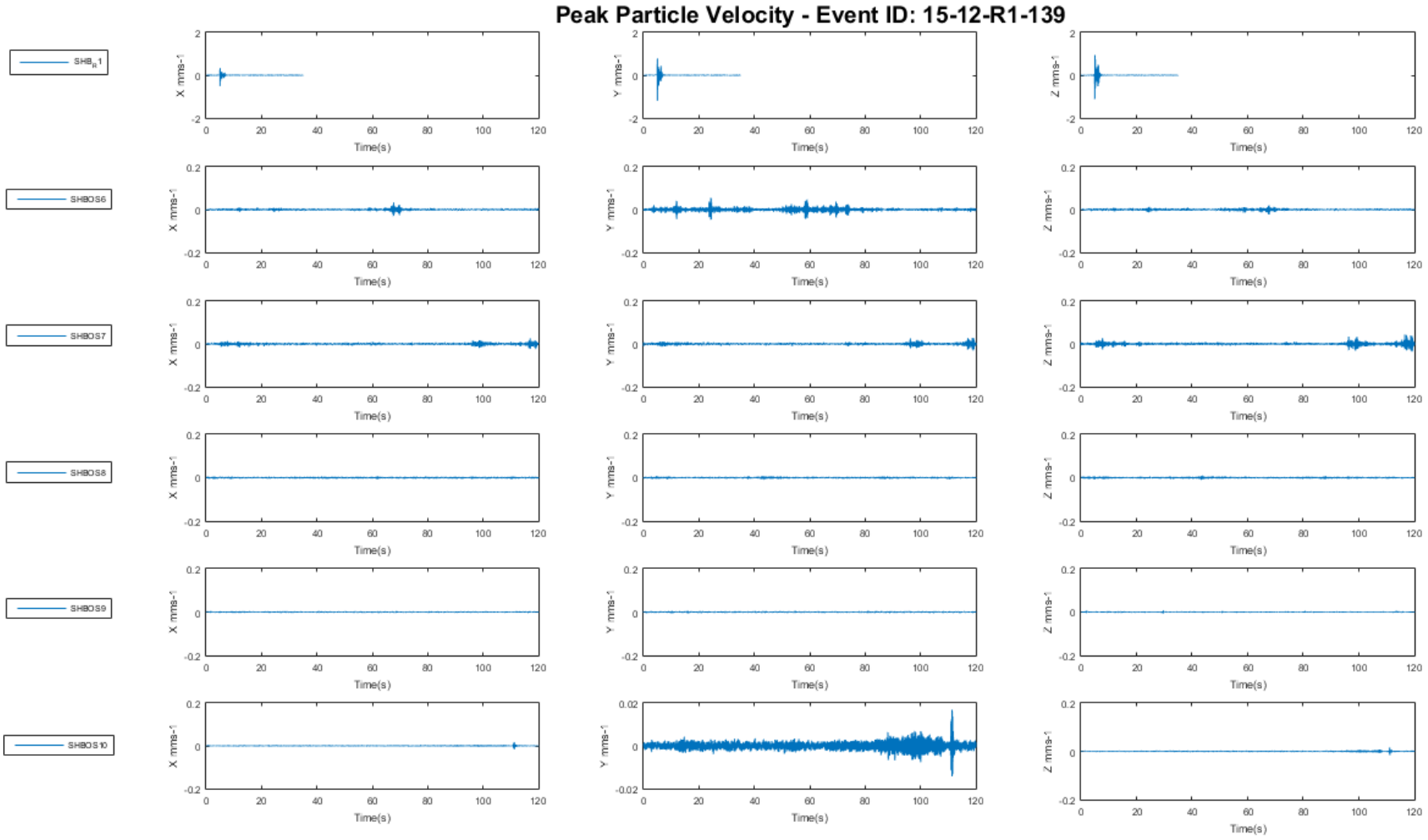


FIGURE 3.1691: SHB_OS 6 - 10 15-12-R1-139

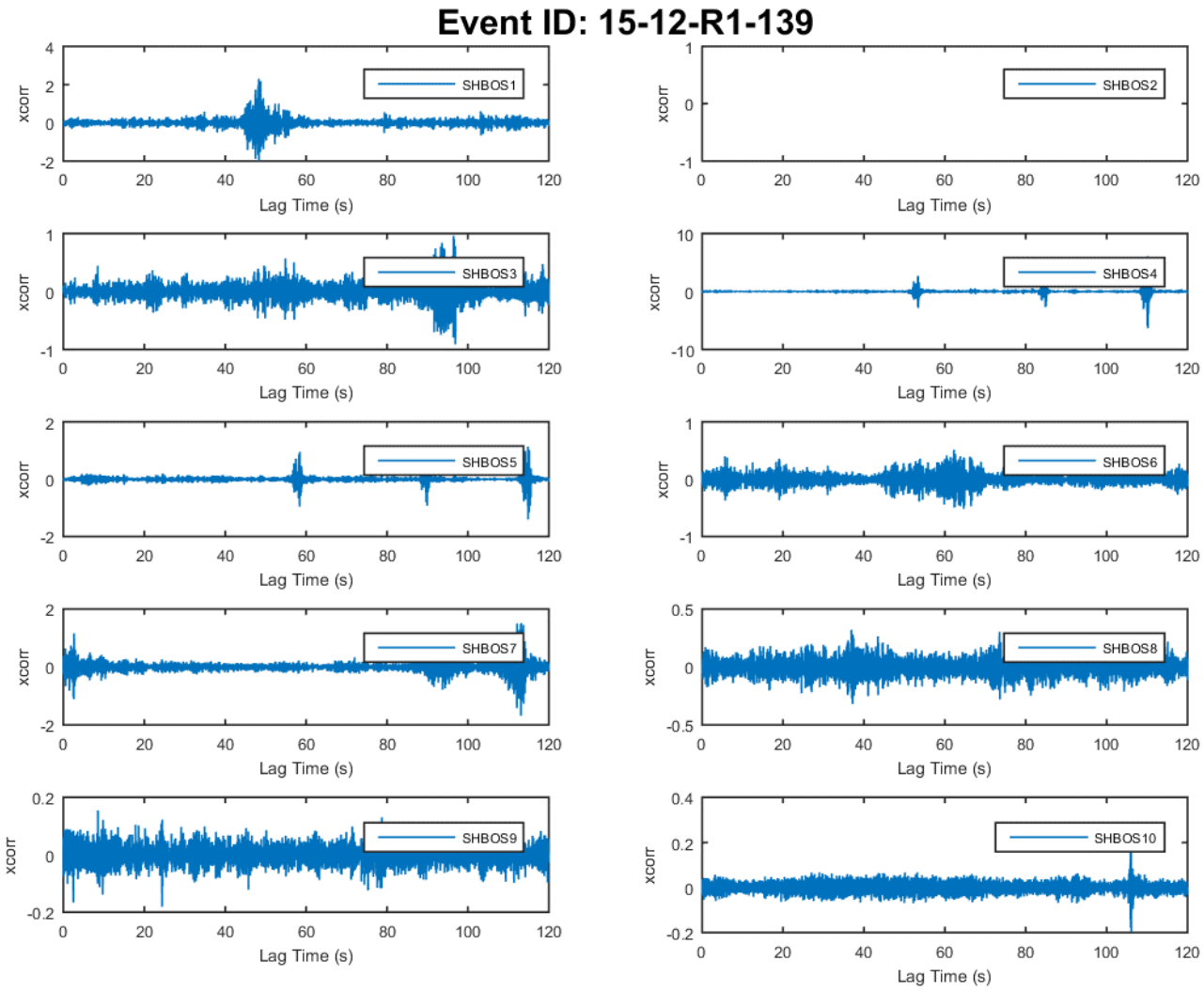


FIGURE 3.1692: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-139

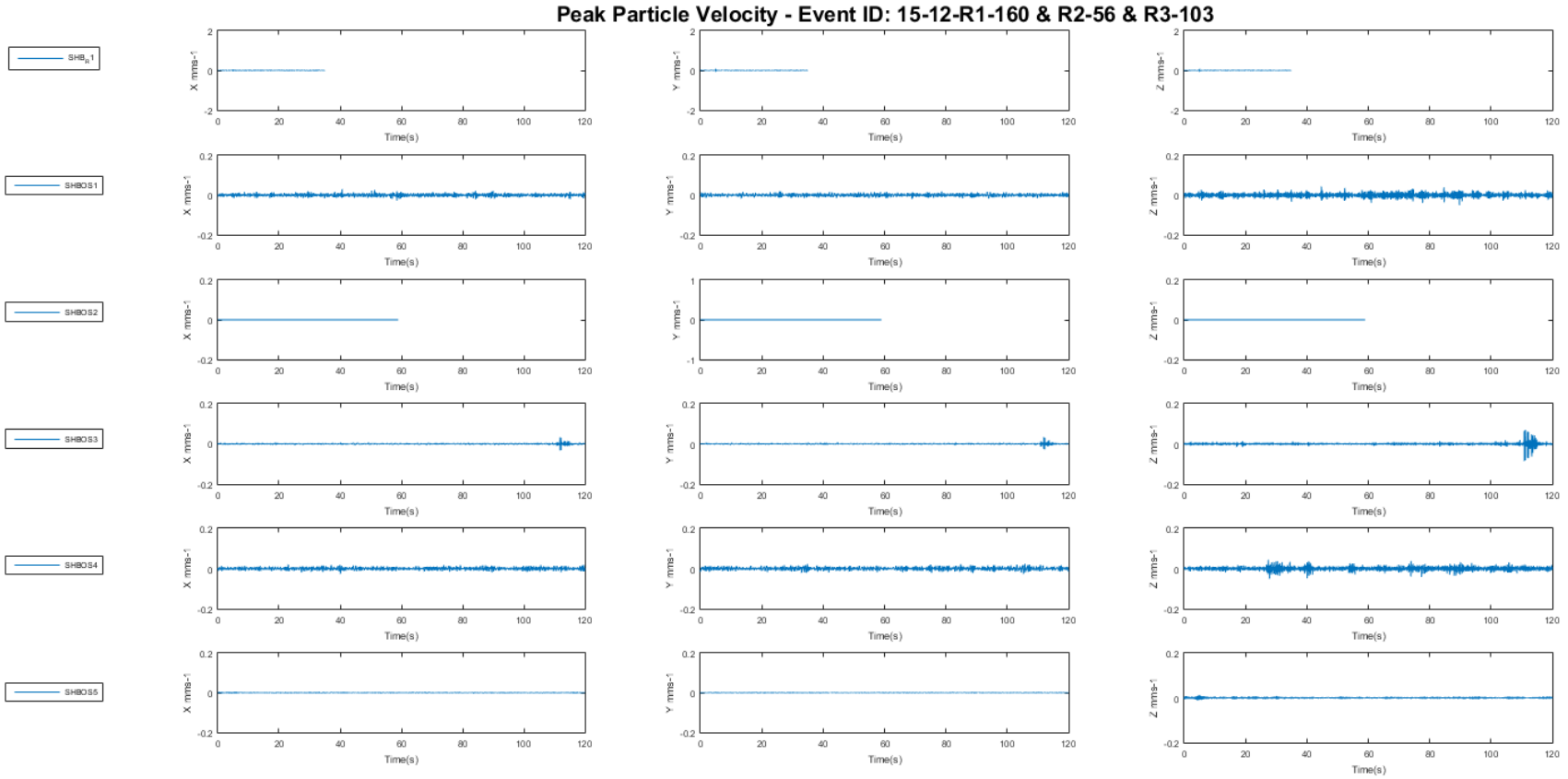


FIGURE 3.1693: SHB_OS 1 - 5 15-12-R1-160 & R2-56 & R3-103

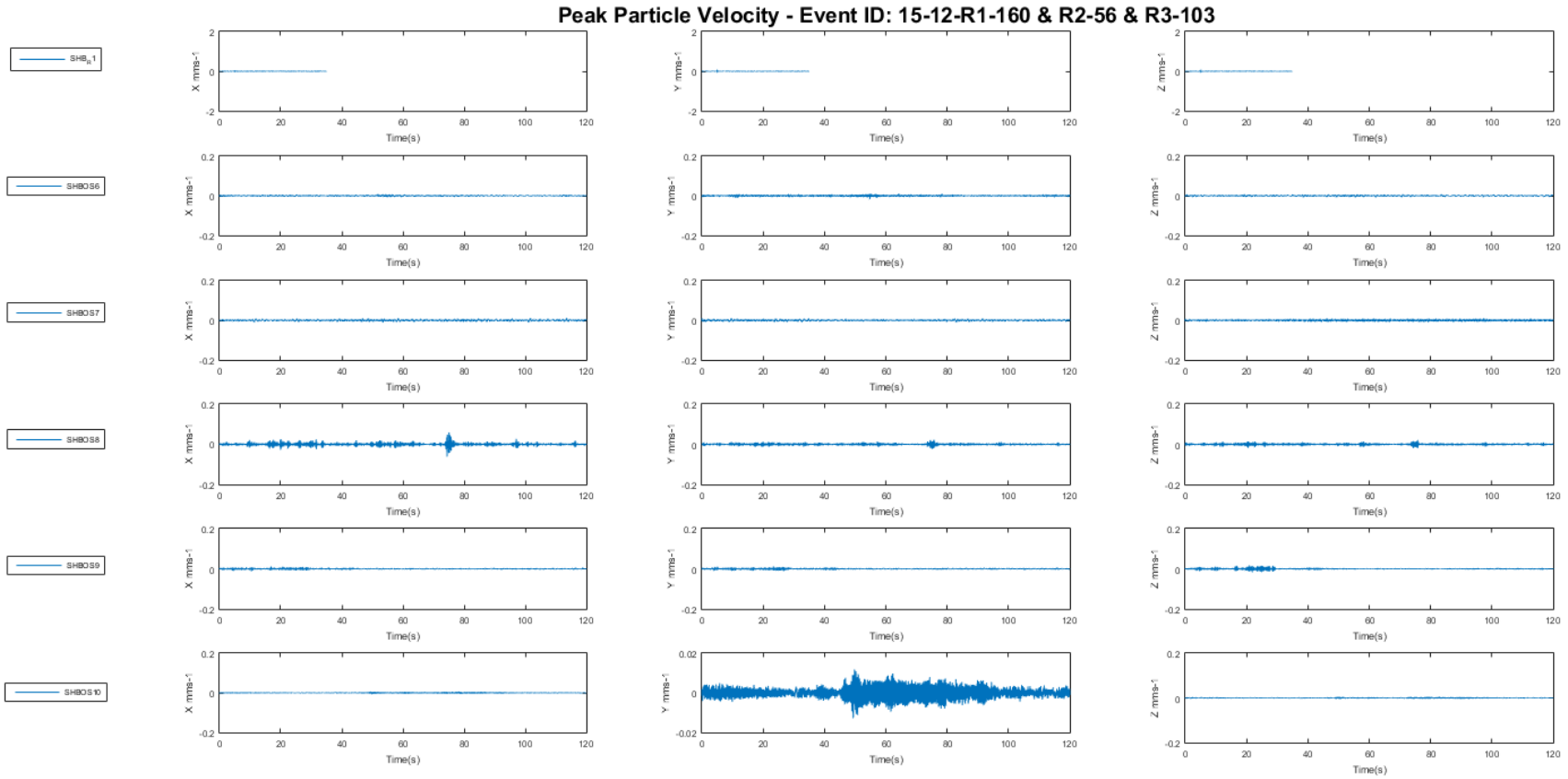


FIGURE 3.1694: SHB_OS 6 - 10 15-12-R1-160 & R2-56 & R3-103

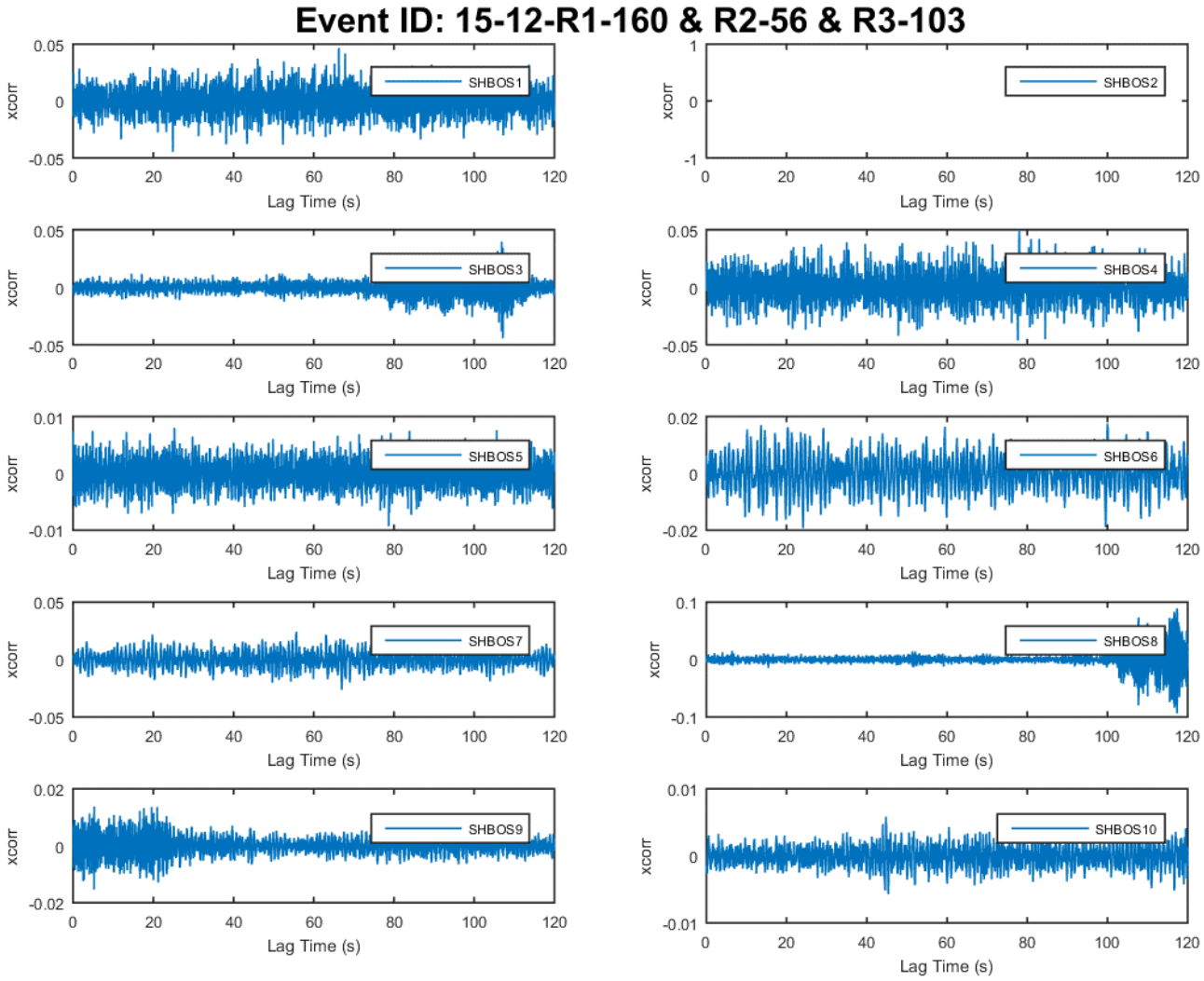


FIGURE 3.1695: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-160 & R2-56 & R3-103

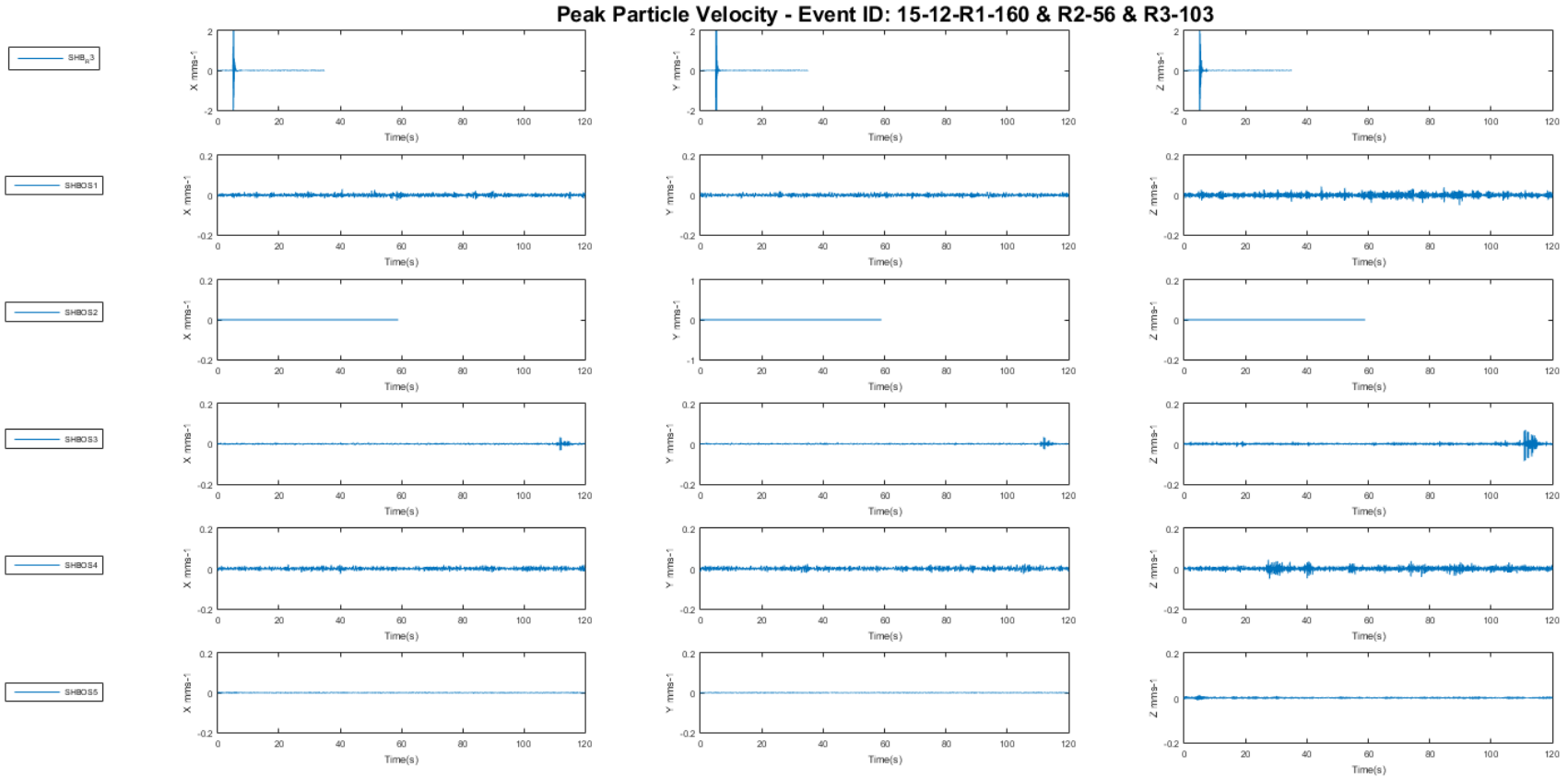


FIGURE 3.1696: SHB_OS 1 - 5 15-12-R1-160 & R2-56 & R3-103

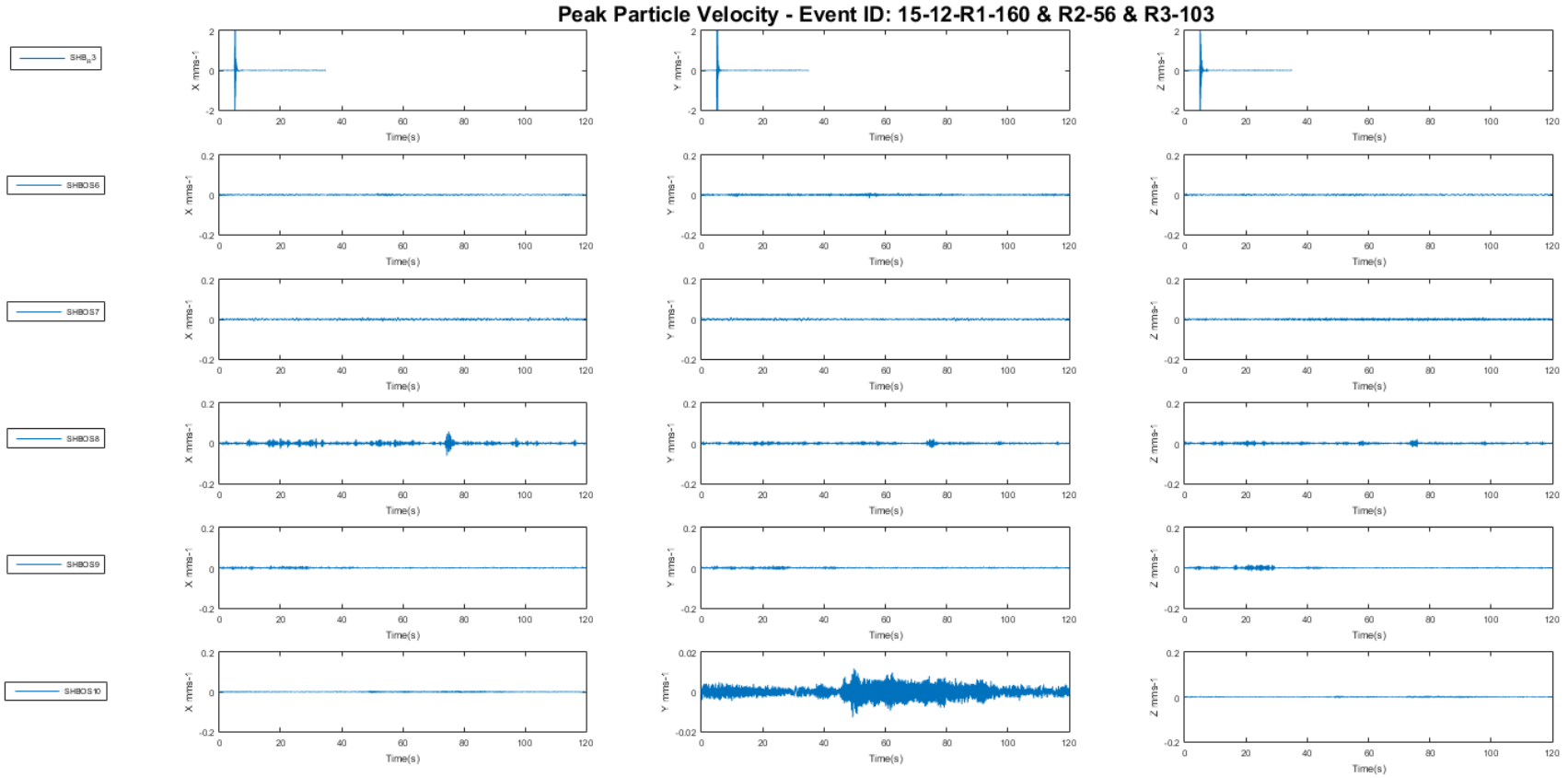


FIGURE 3.1697: SHB_OS 6 - 10 15-12-R1-160 & R2-56 & R3-103

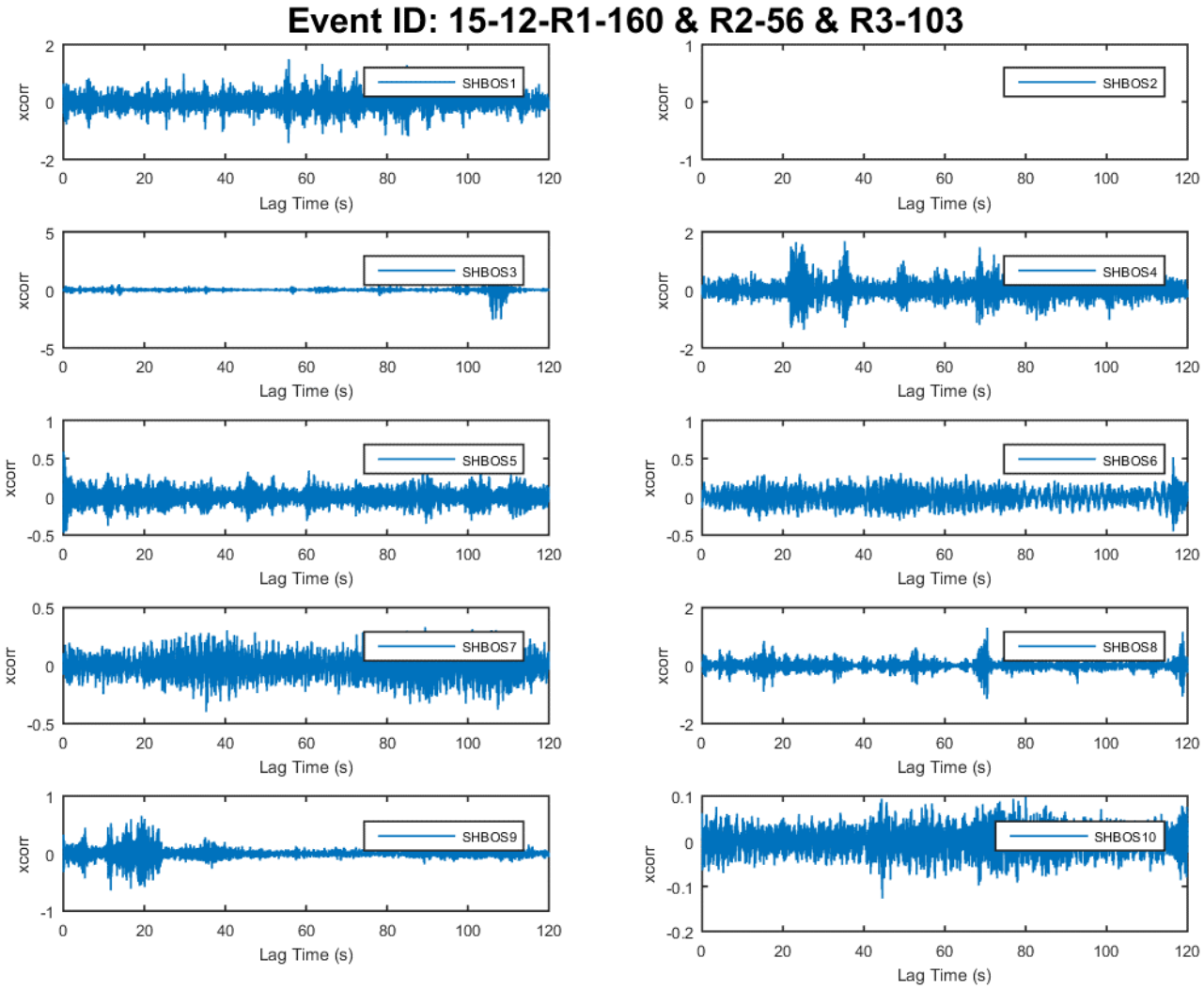


FIGURE 3.1698: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-160 & R2-56 & R3-103

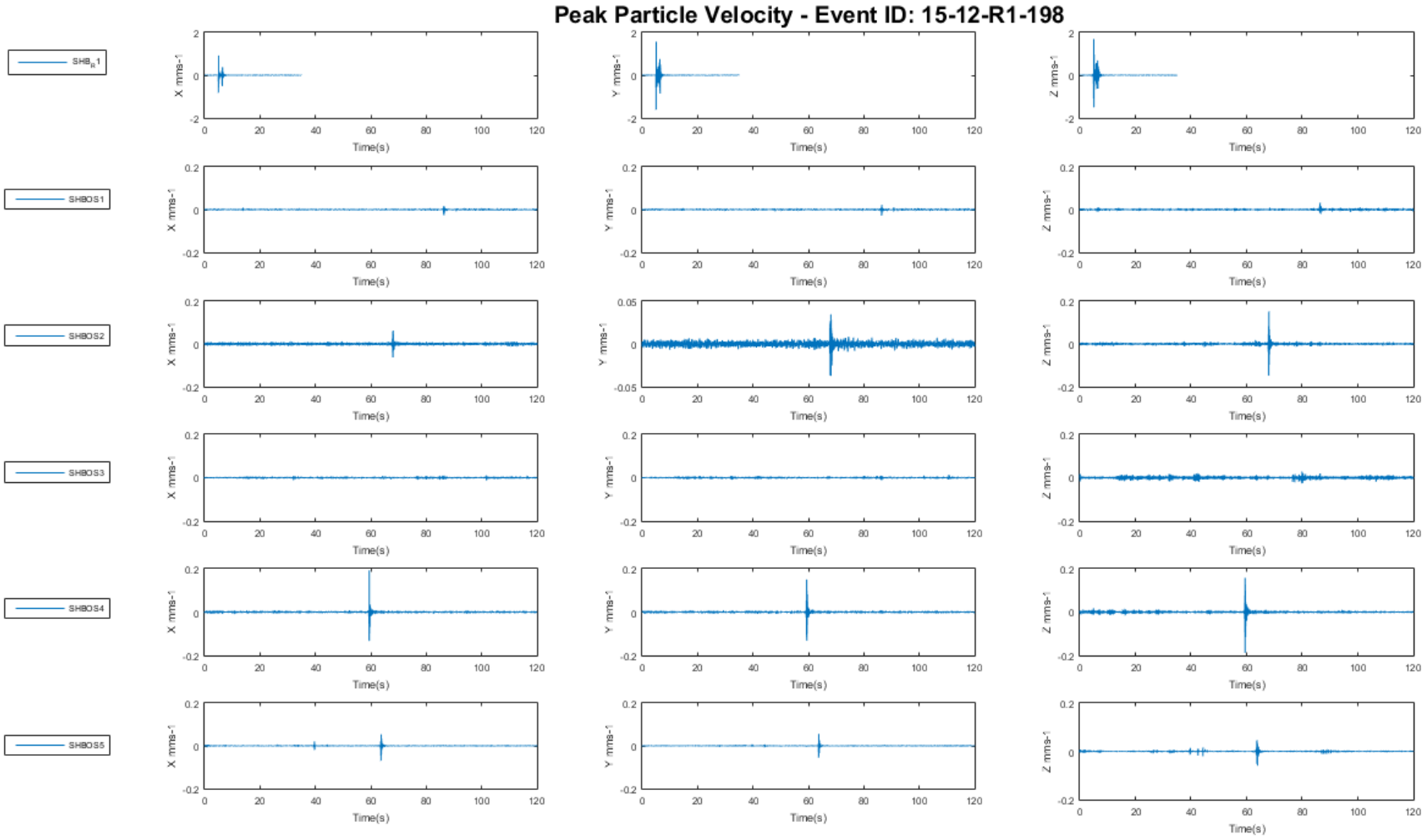


FIGURE 3.1699: SHB_OS 1 - 5 15-12-R1-198

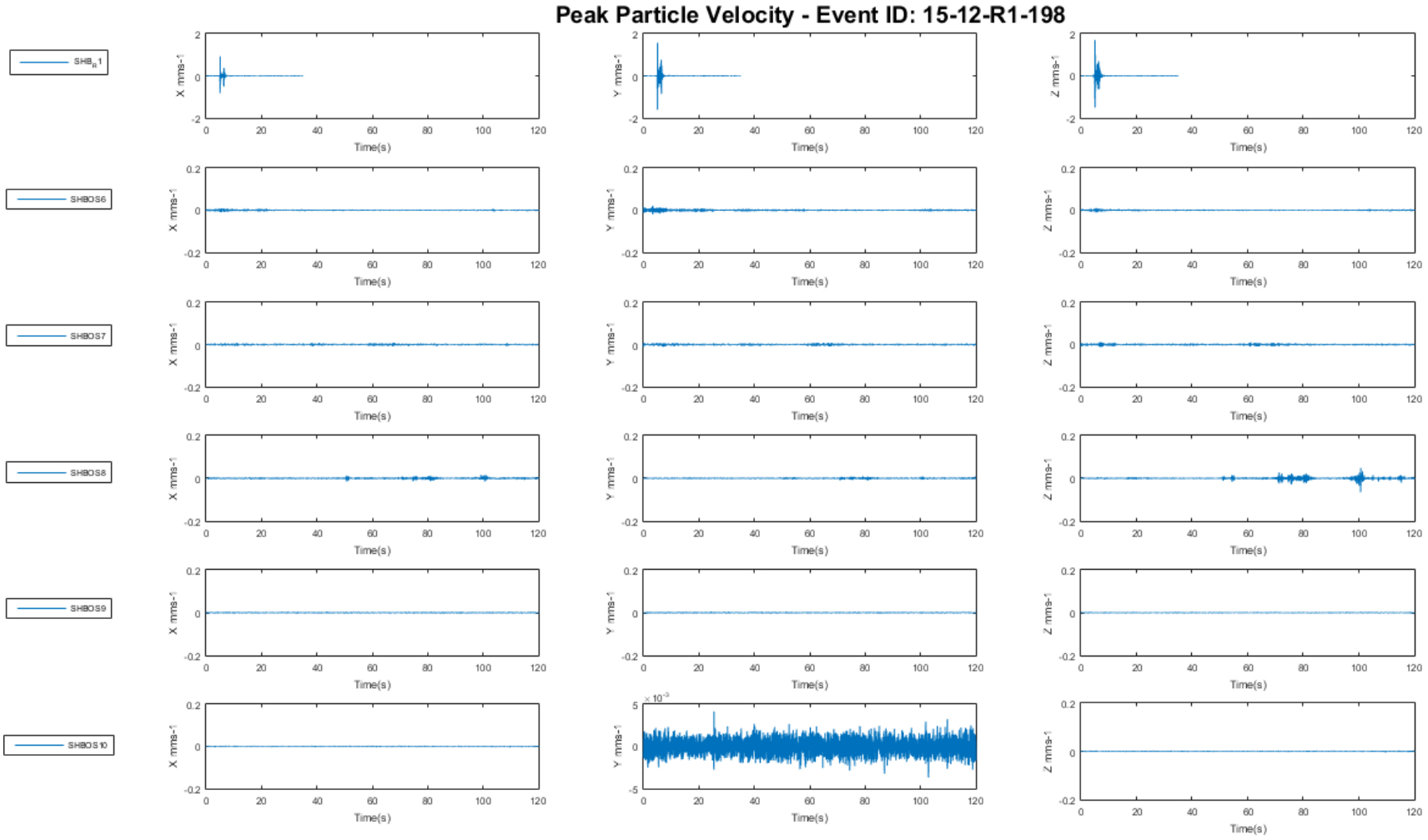


FIGURE 3.1700: SHB_OS 6 - 10 15-12-R1-198

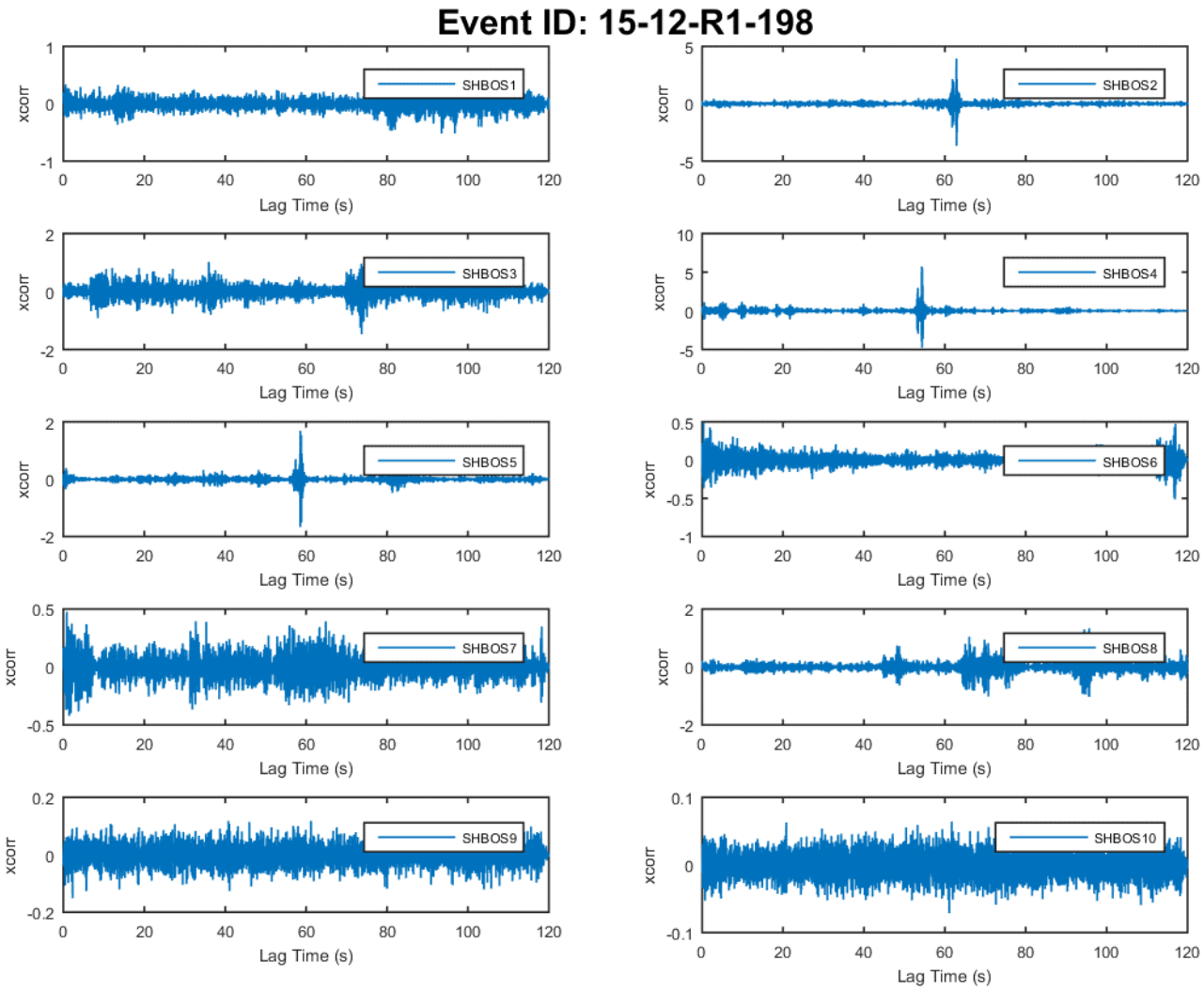


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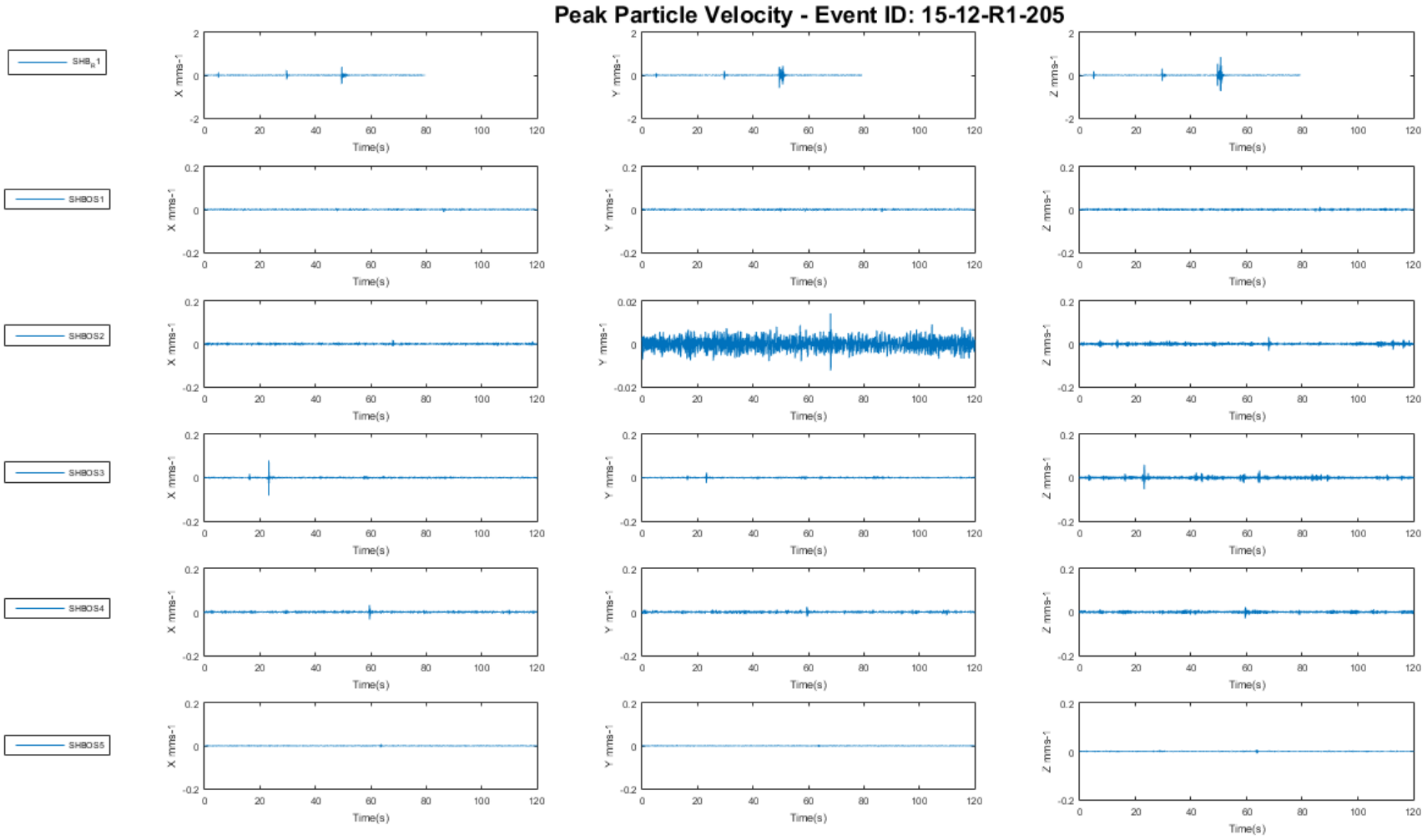


FIGURE 3.1702: SHB_OS 1 - 5 15-12-R1-205

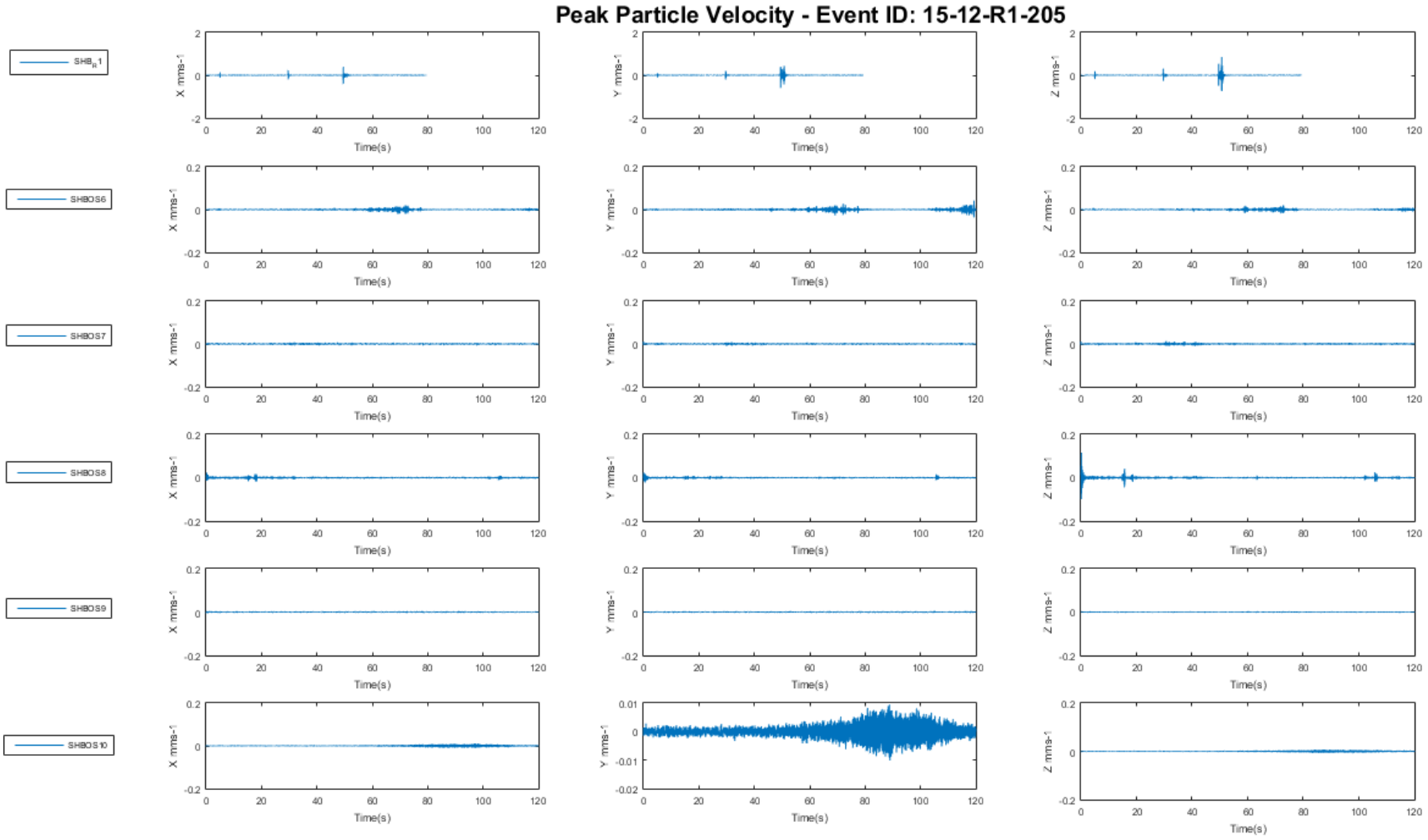


FIGURE 3.1703: SHB_OS 6 - 10 15-12-R1-205

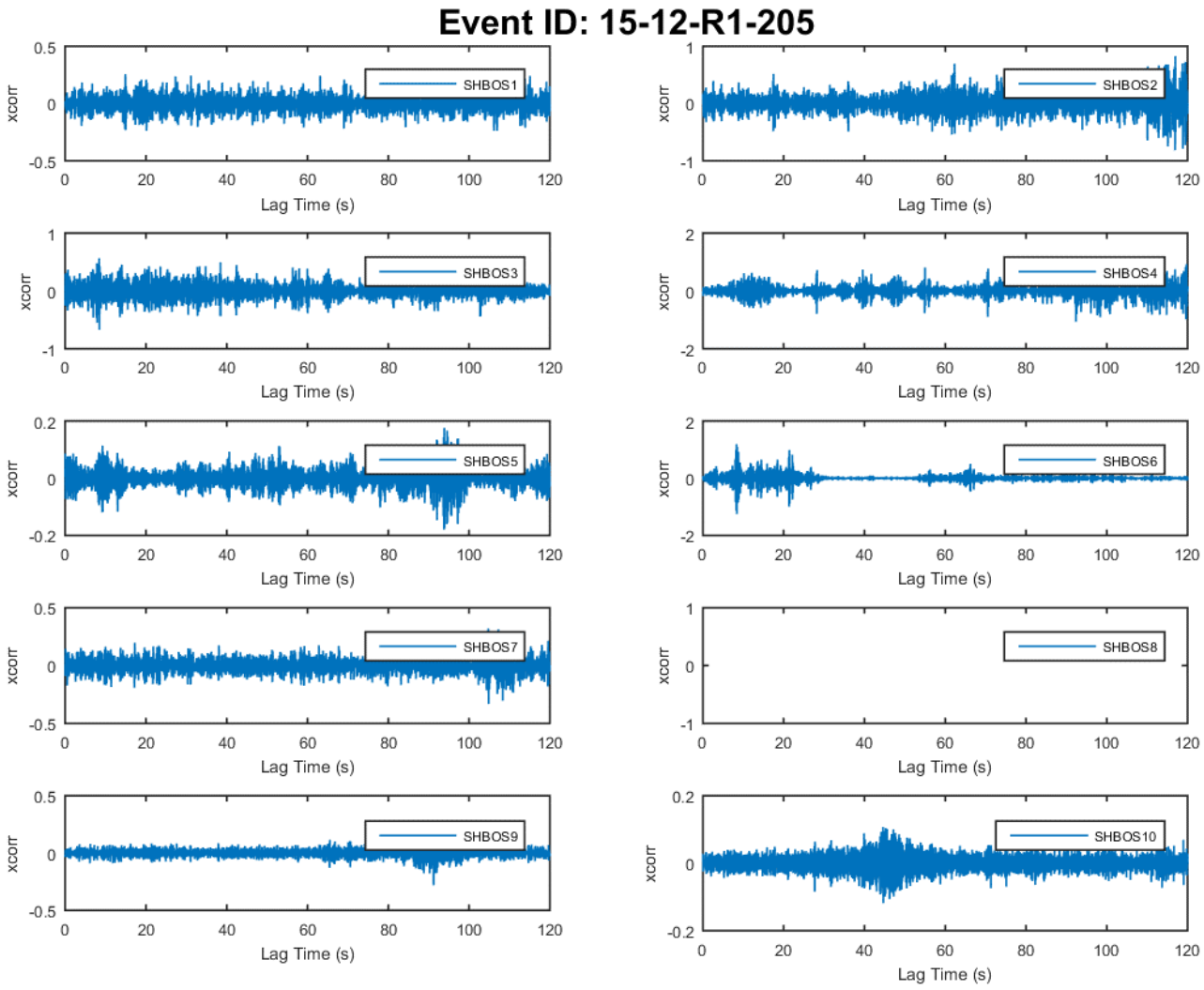


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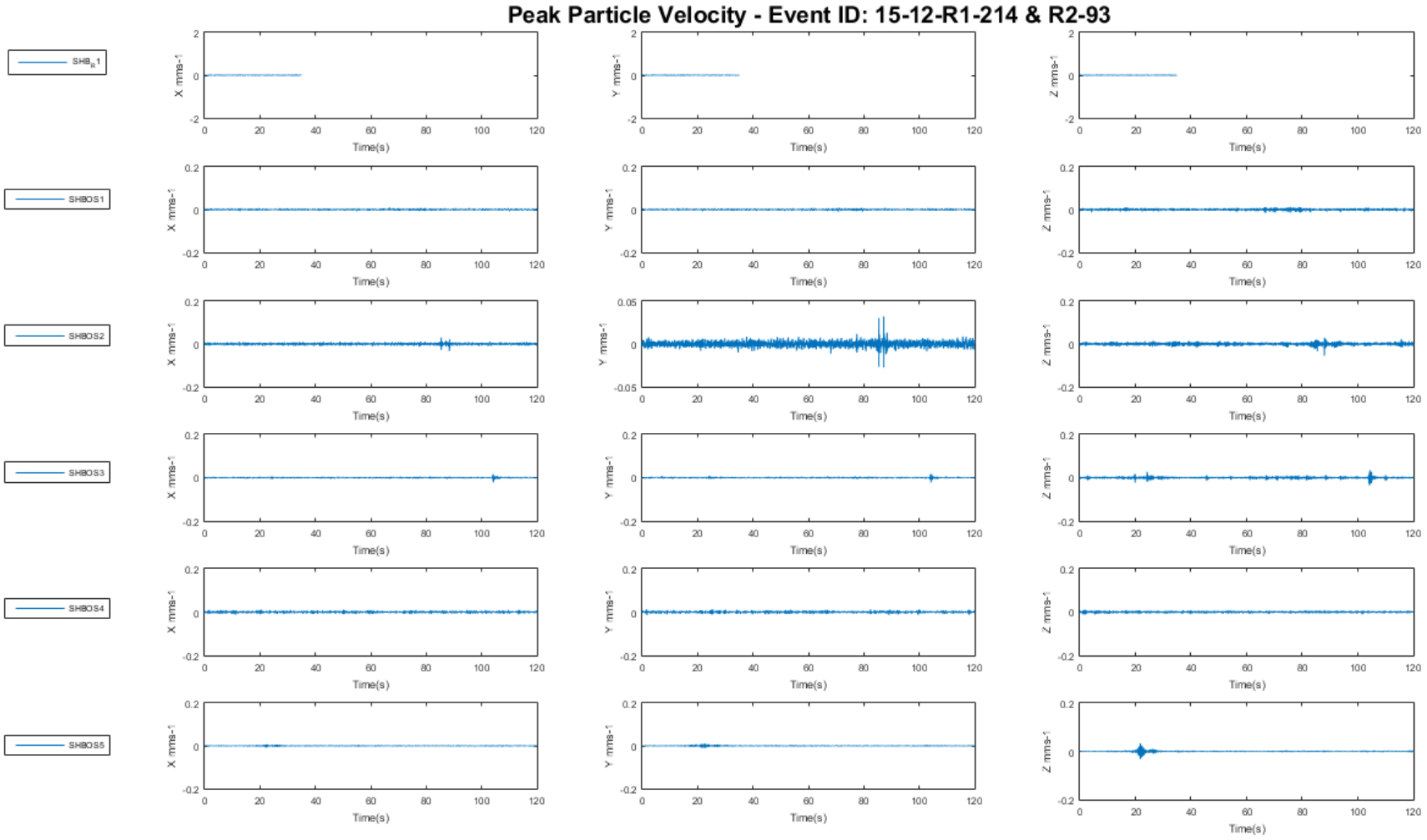


FIGURE 3.1705: SHB_OS 1 - 5 15-12-R1-214 & R2-93

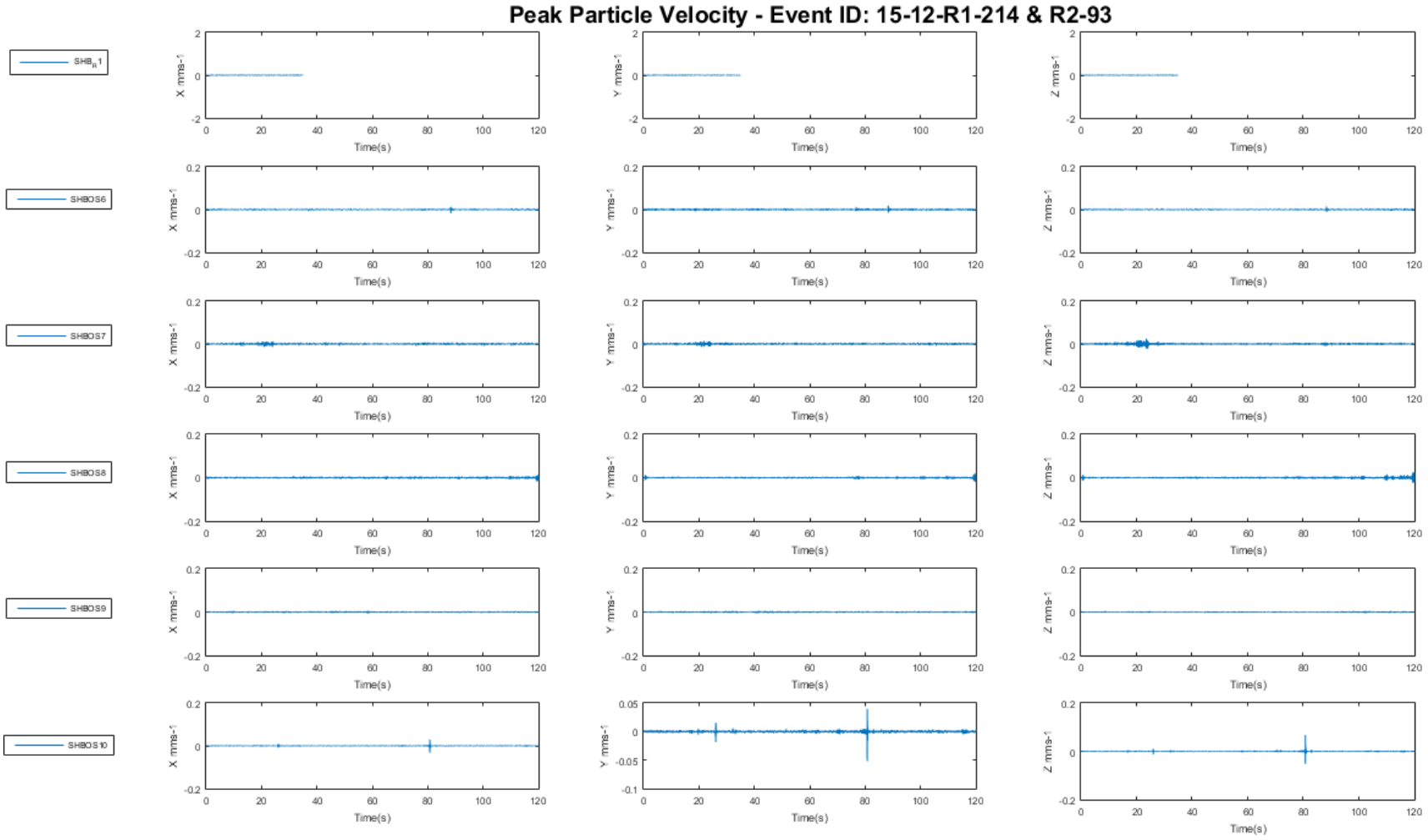


FIGURE 3.1706: SHB_OS 6 - 10 15-12-R1-214 & R2-93

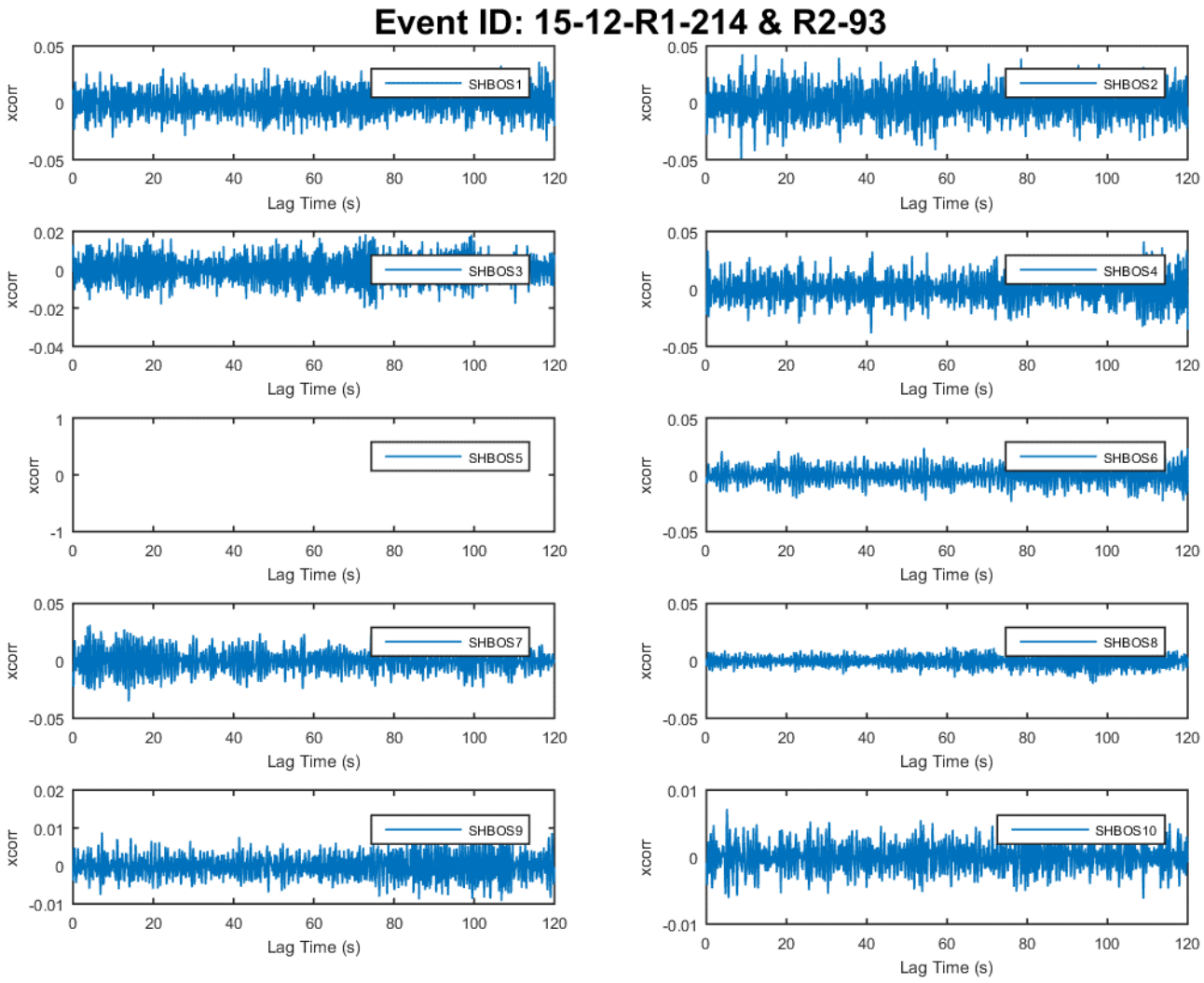


FIGURE 3.1707: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-214 & R2-93

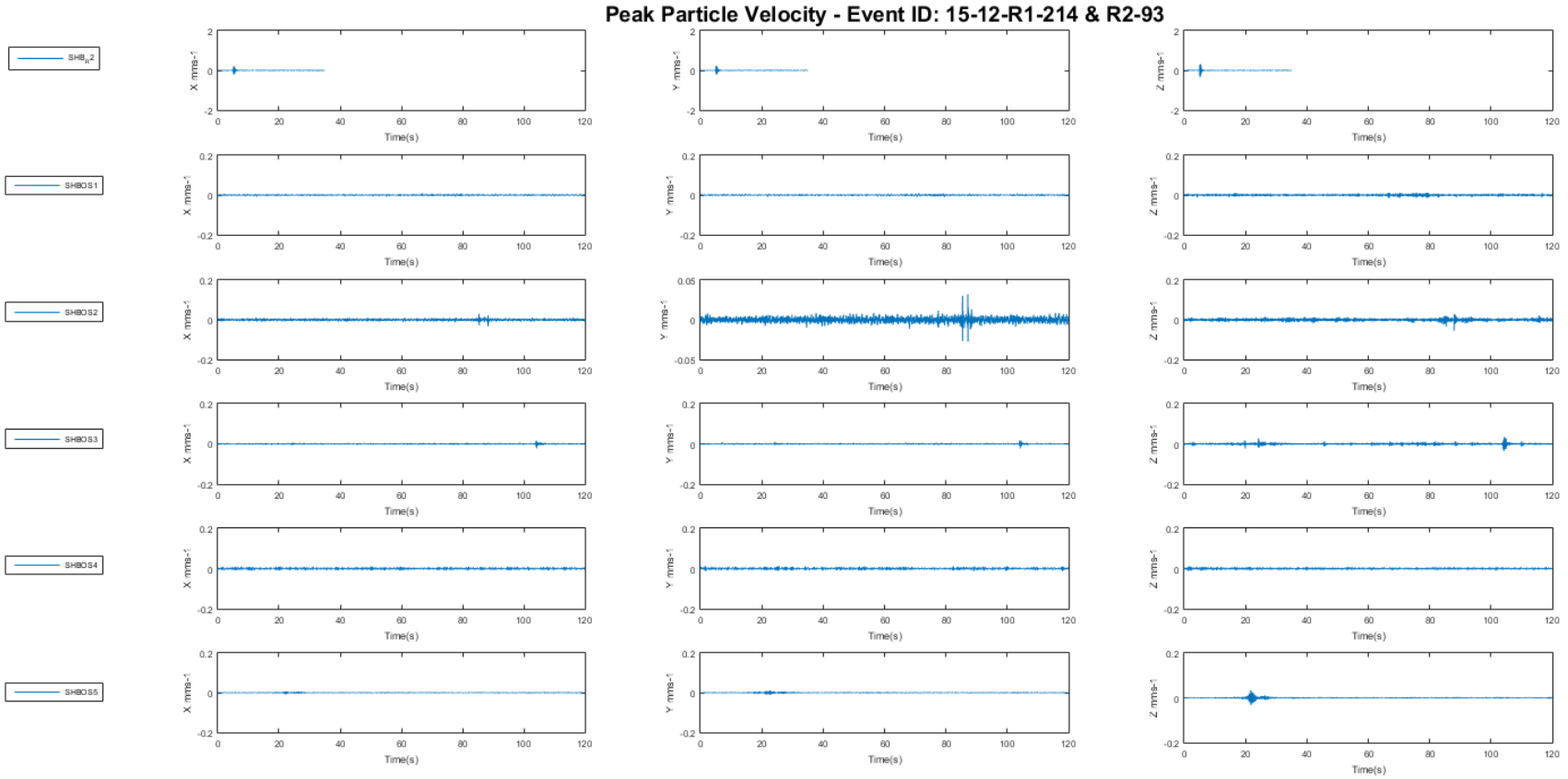


FIGURE 3.1708: SHB_OS 1 - 5 15-12-R1-214 & R2-93

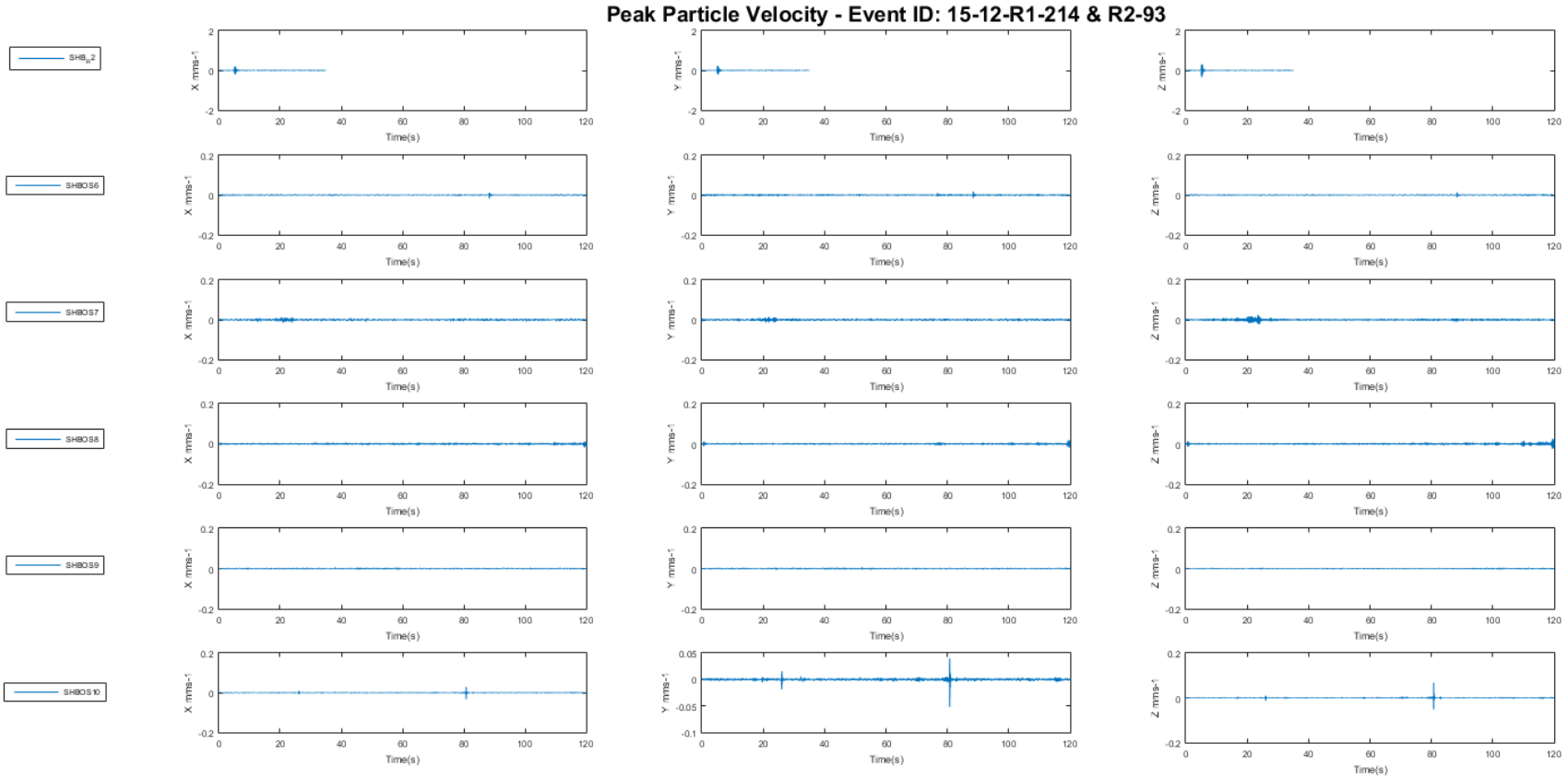


FIGURE 3.1709: SHB_OS 6 - 10 15-12-R1-214 & R2-93

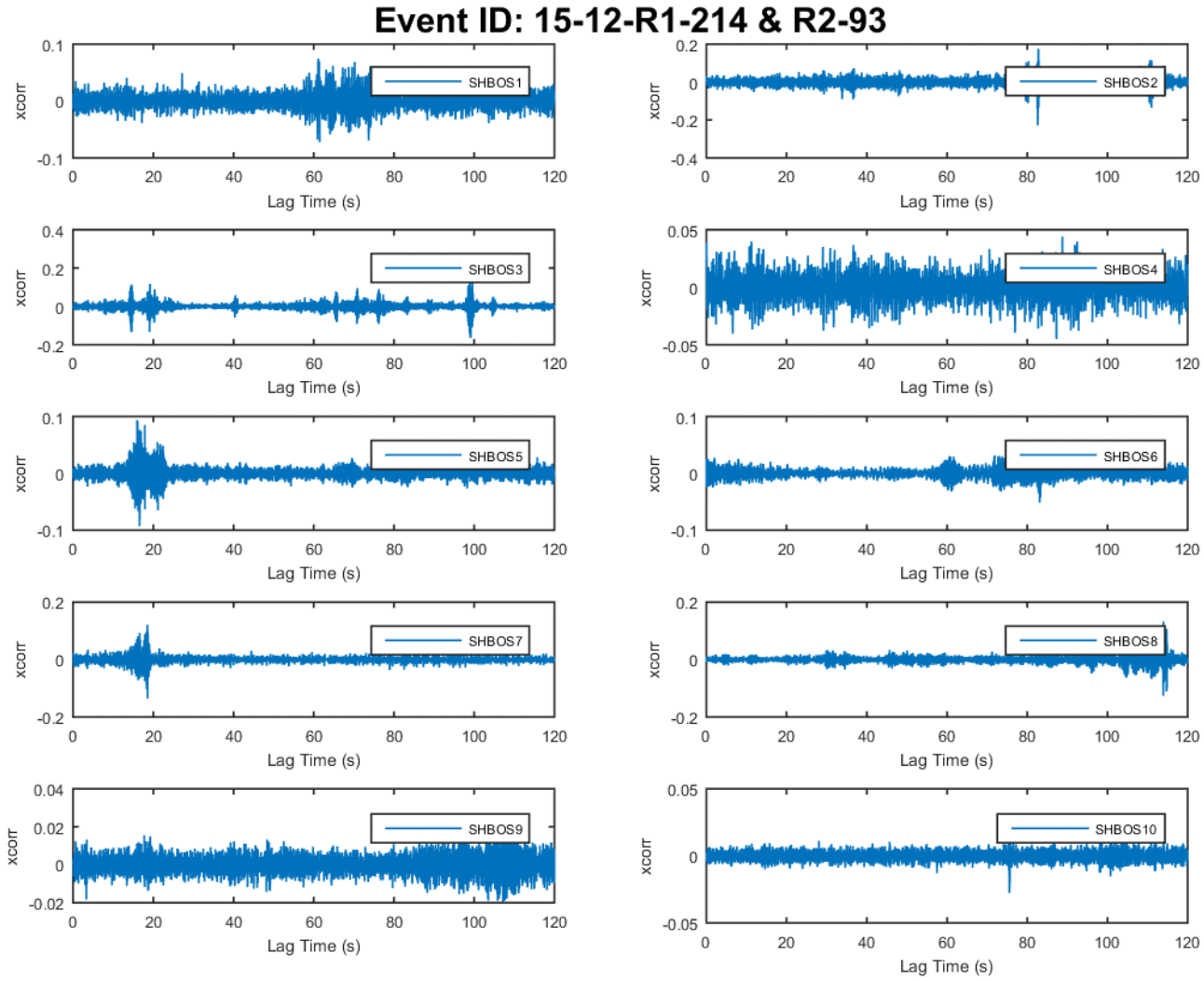


FIGURE 3.1710: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-214 & R2-93

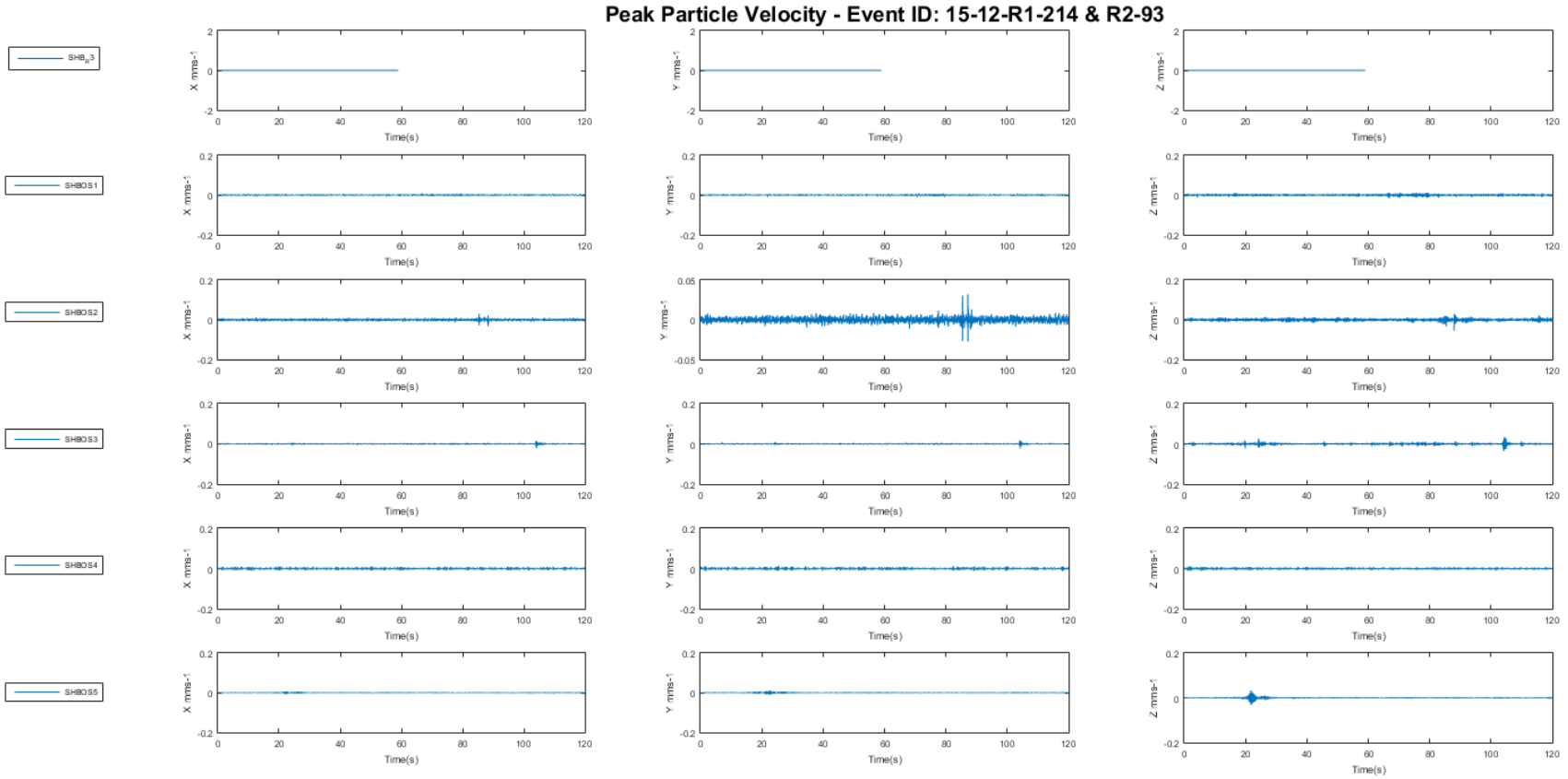


FIGURE 3.1711: SHB_OS 1 - 5 15-12-R1-214 & R2-93

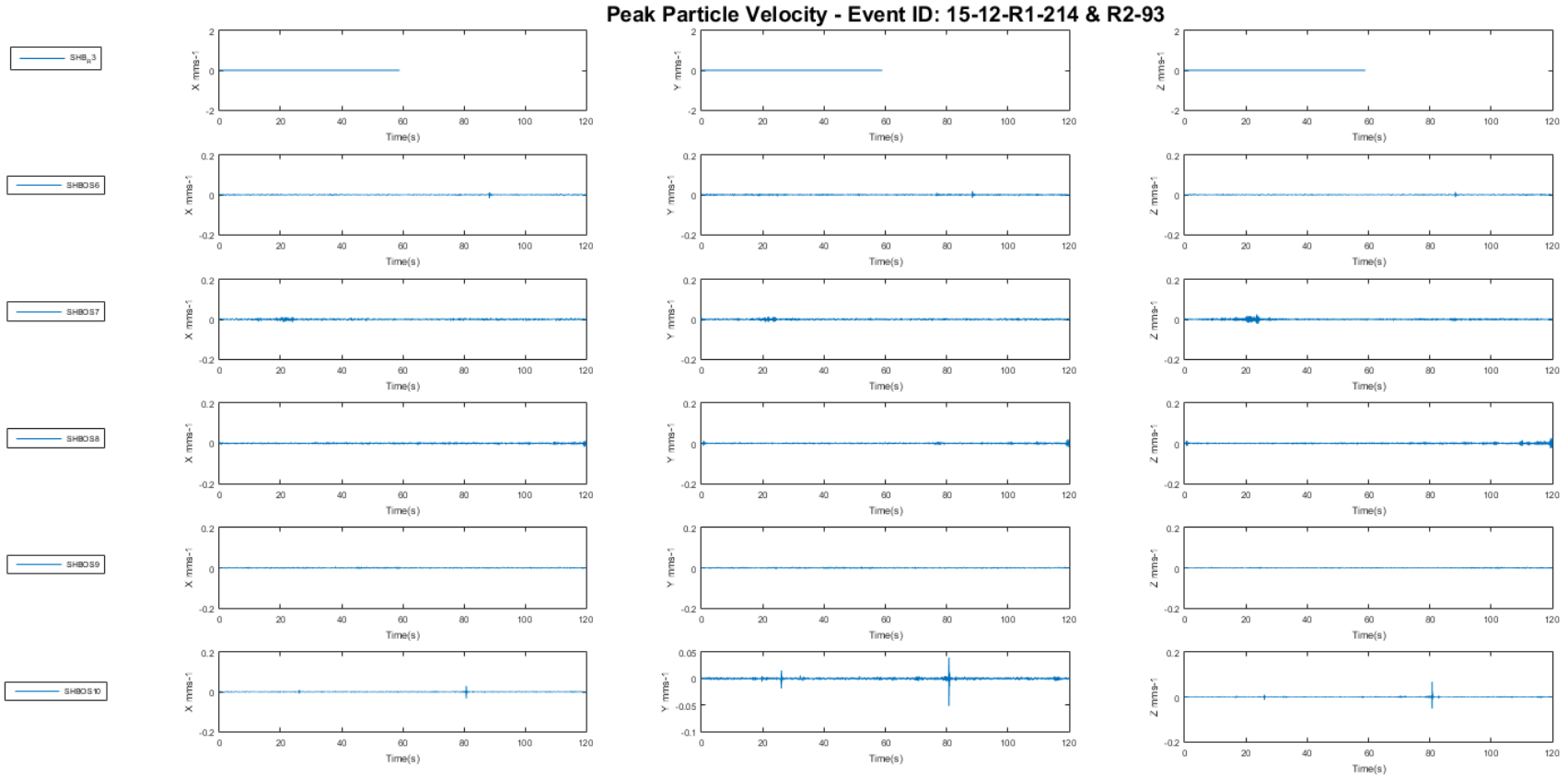


FIGURE 3.1712: SHB_OS 6 - 10 15-12-R1-214 & R2-93

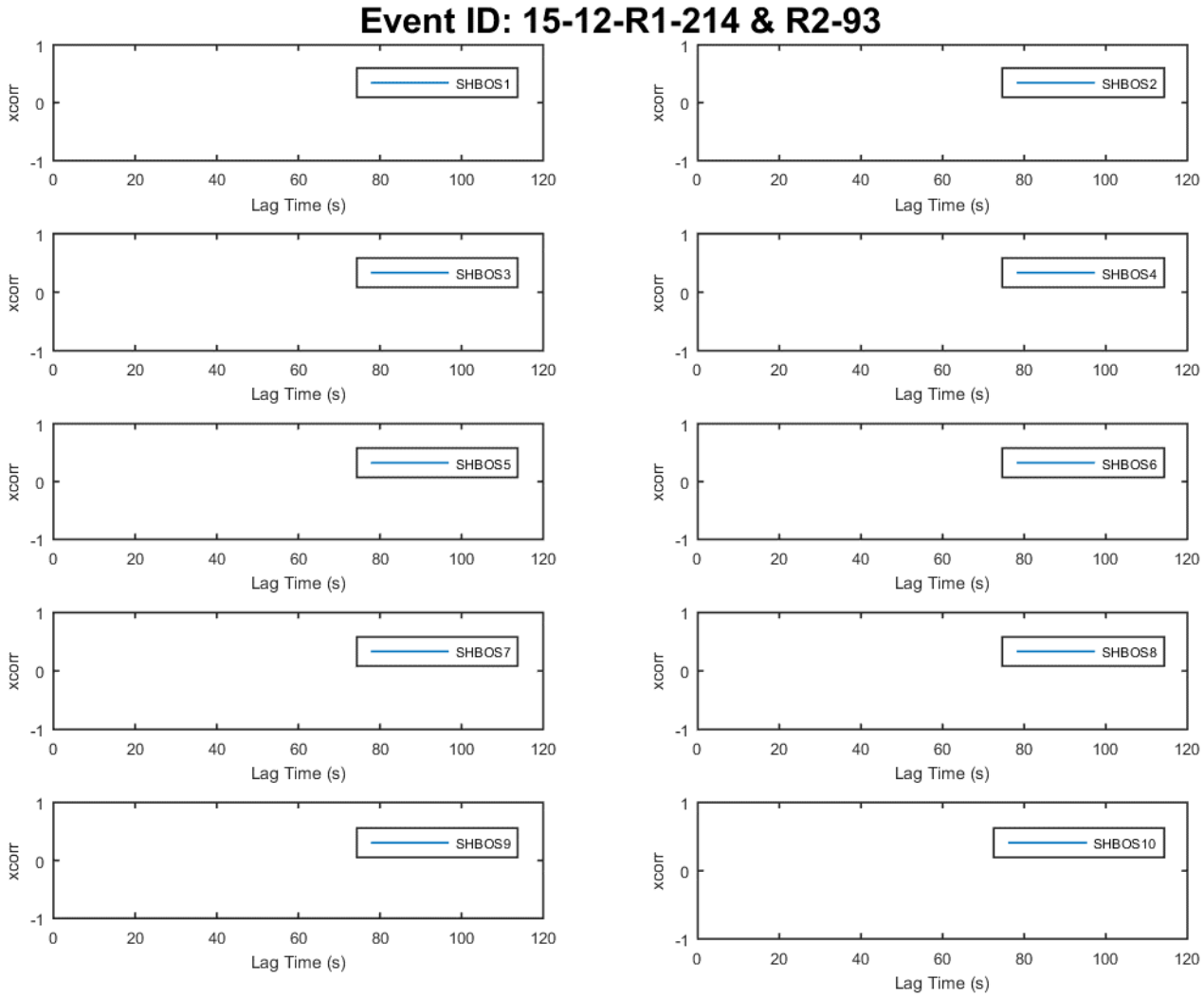


FIGURE 3.1713: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-214 & R2-93

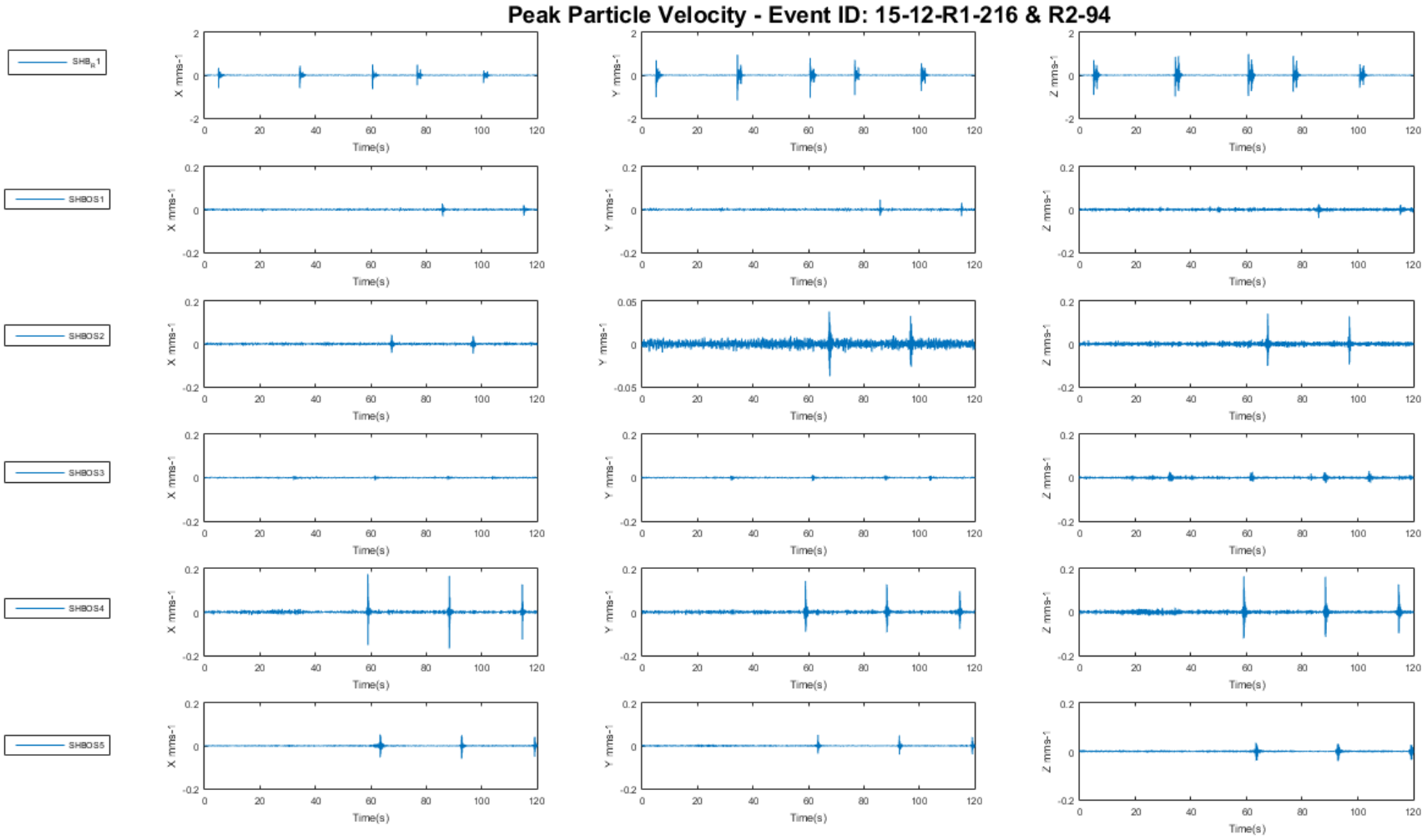


FIGURE 3.1714: SHB_OS 1 - 5 15-12-R1-216 & R2-94

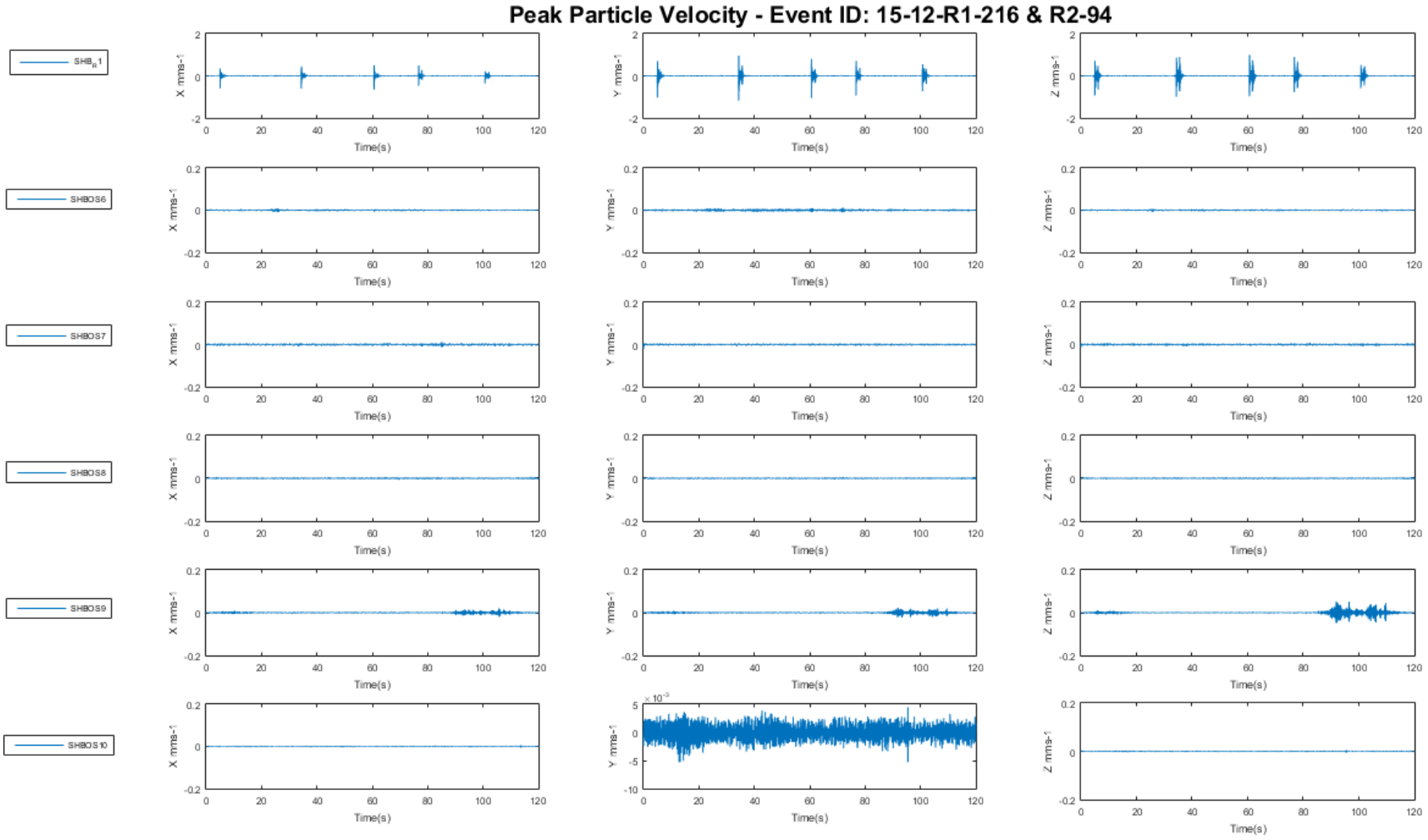


FIGURE 3.1715: SHB_OS 6 - 10 15-12-R1-216 & R2-94

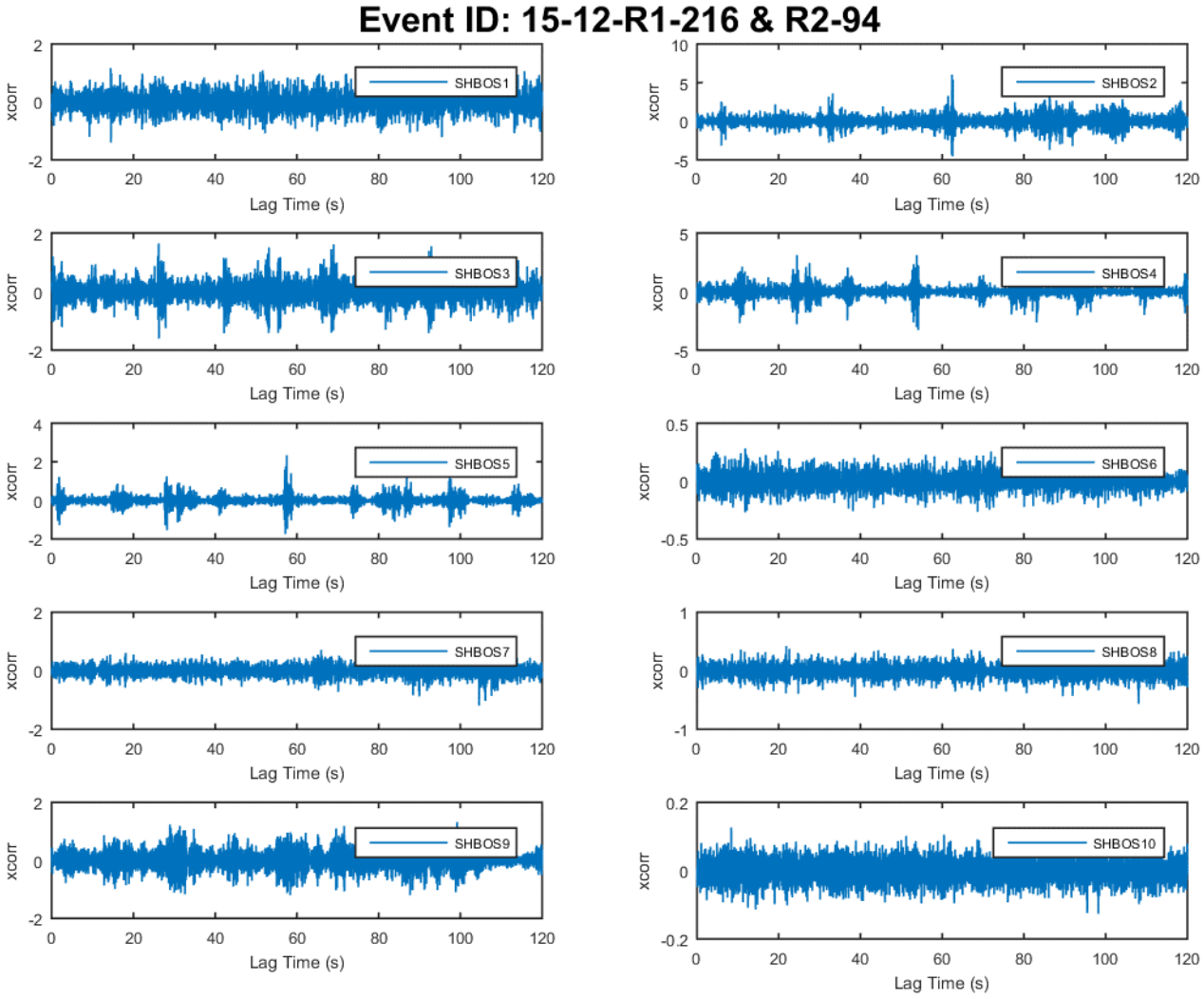


FIGURE 3.1716: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-216 & R2-94

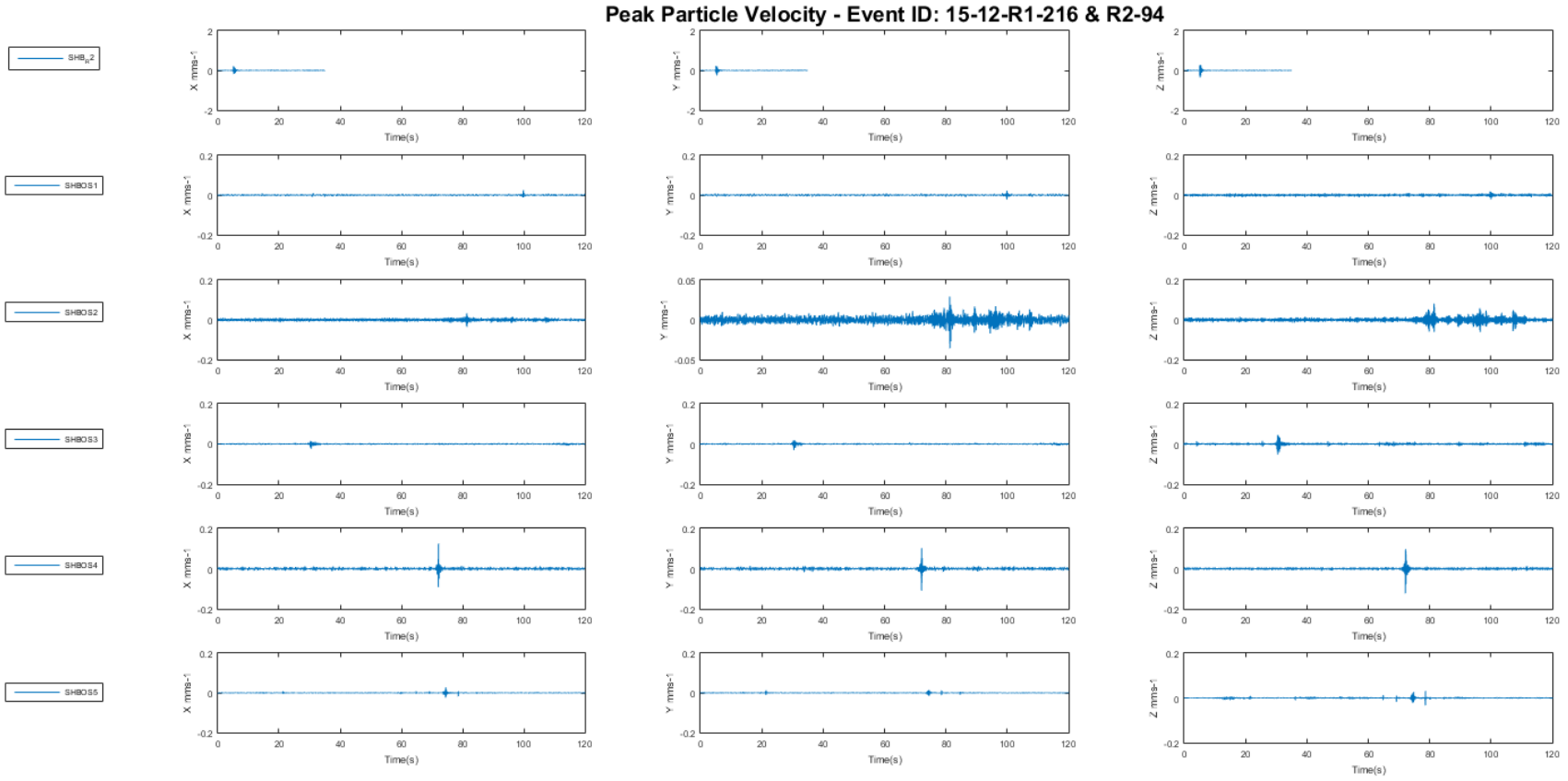


FIGURE 3.1717: SHB_OS 1 - 5 15-12-R1-216 & R2-94

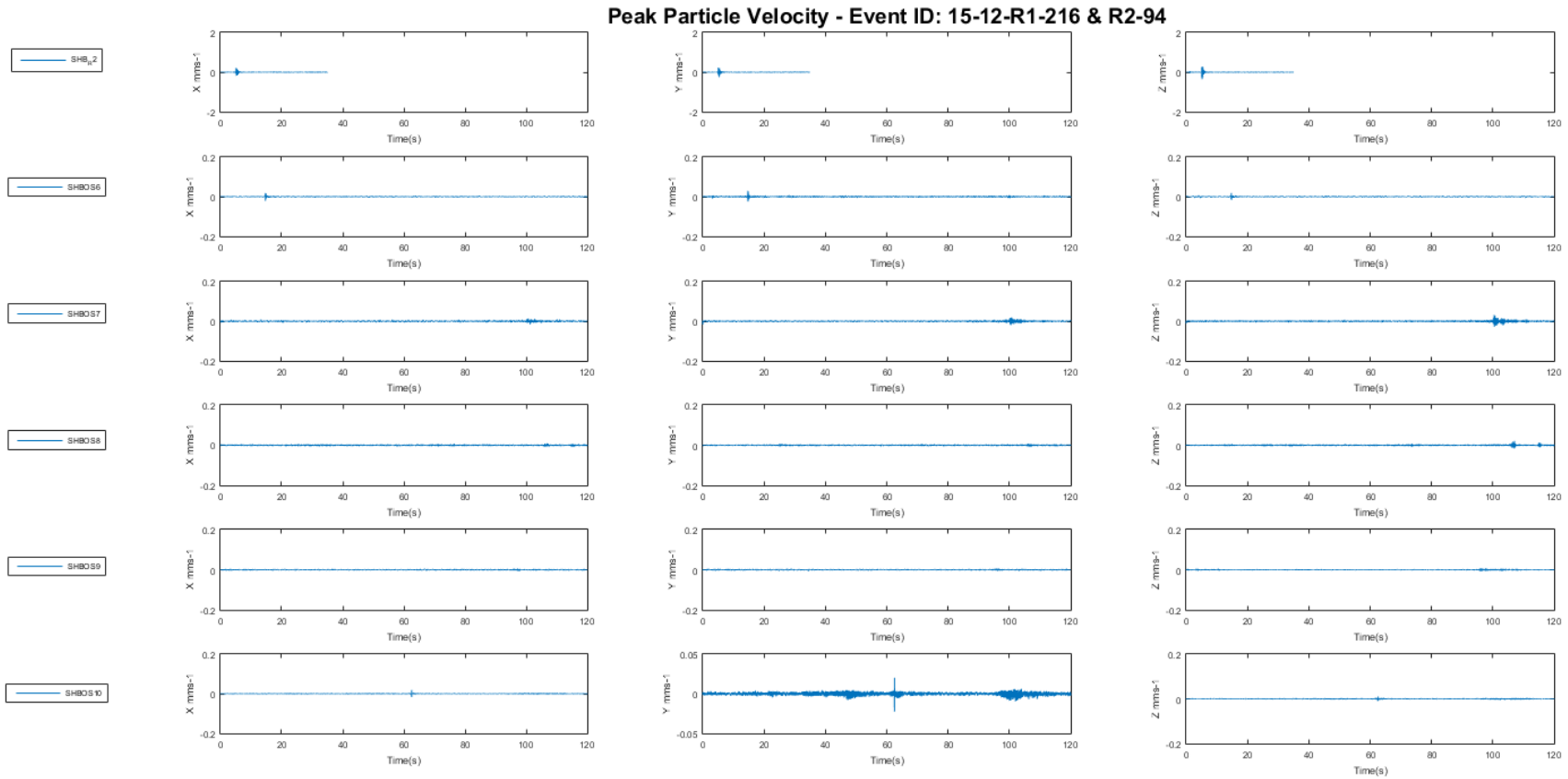


FIGURE 3.1718: SHB_OS 6 - 10 15-12-R1-216 & R2-94

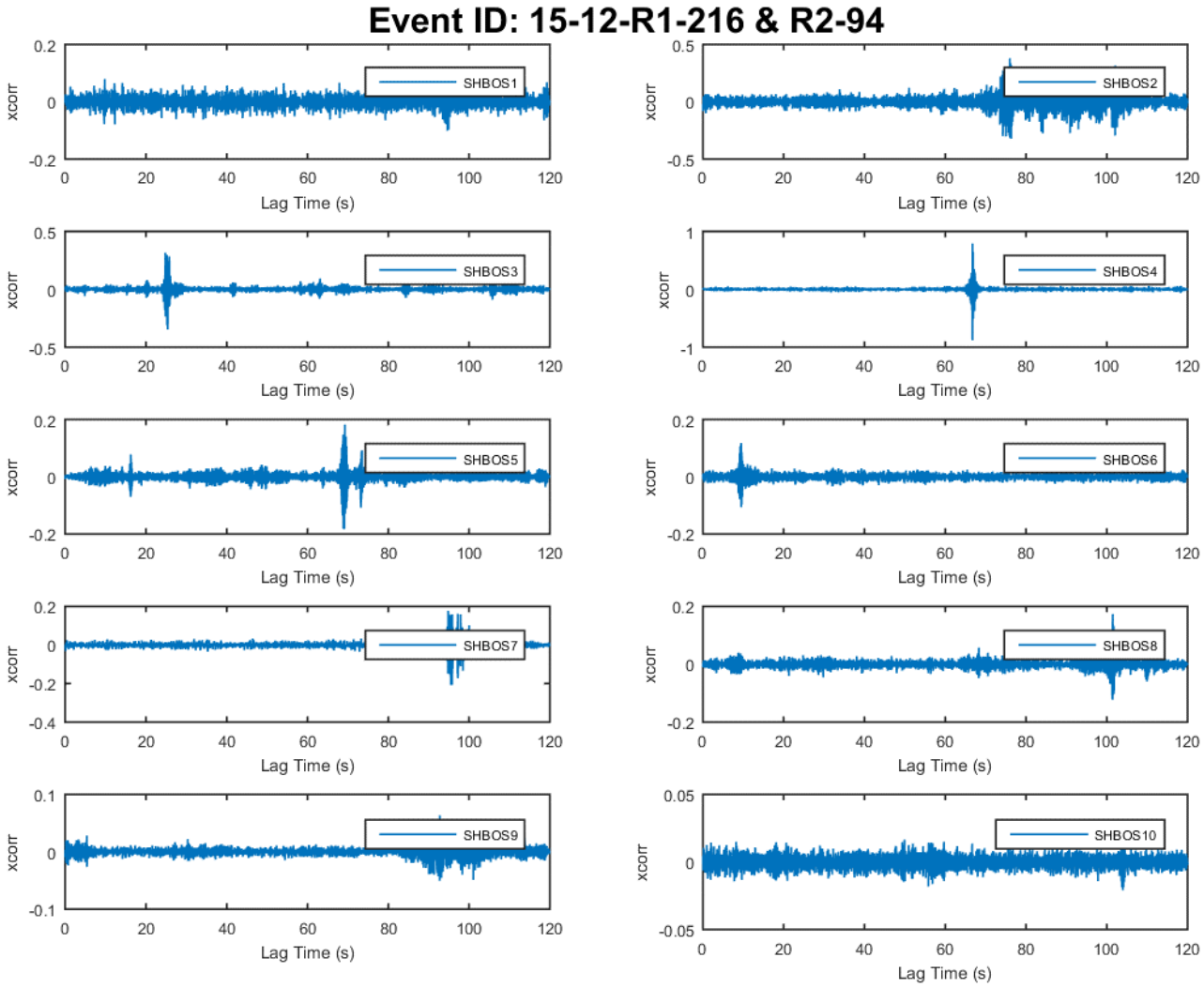


FIGURE 3.1719: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-216 & R2-94

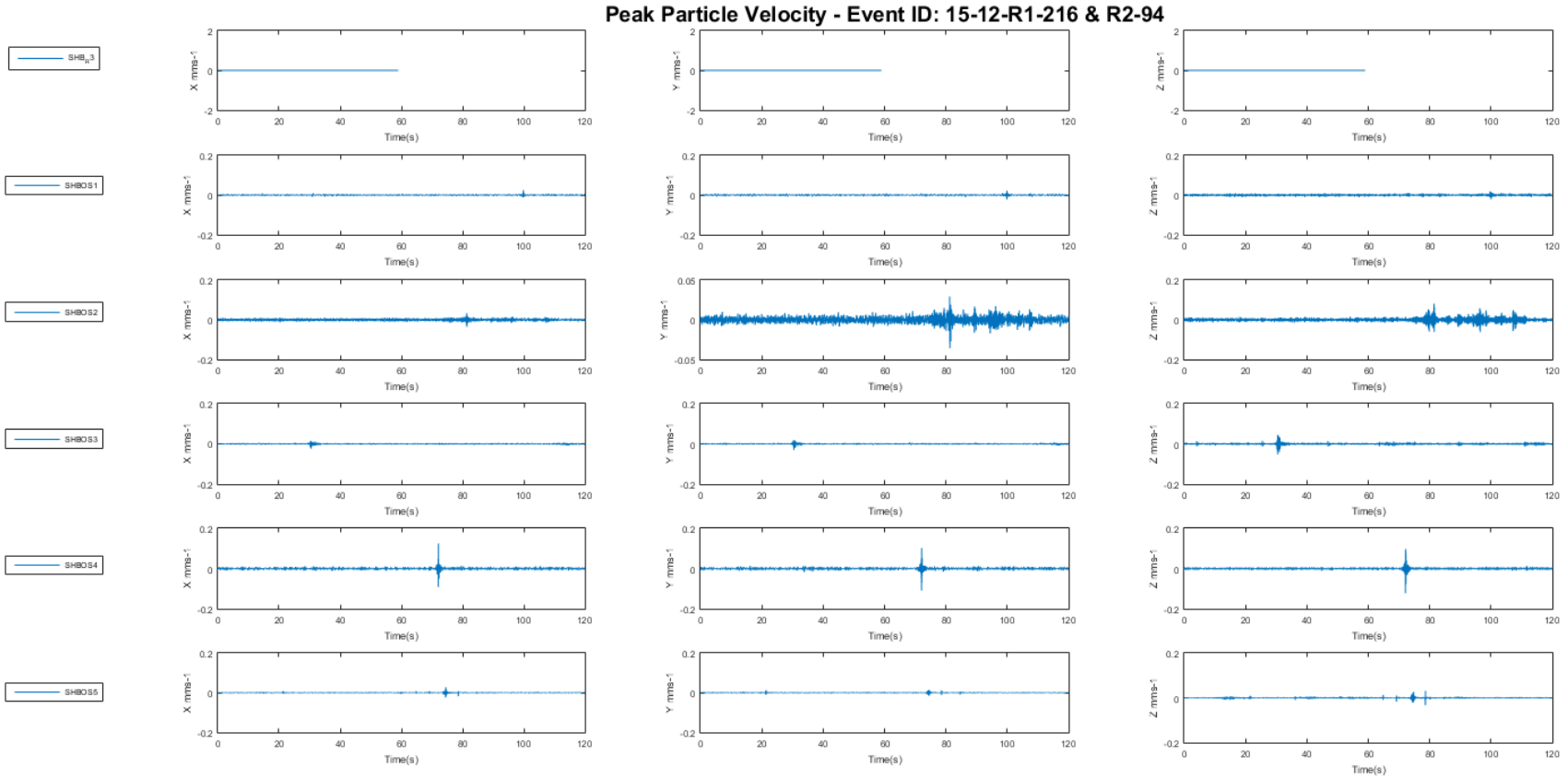


FIGURE 3.1720: SHB_OS 1 - 5 15-12-R1-216 & R2-94

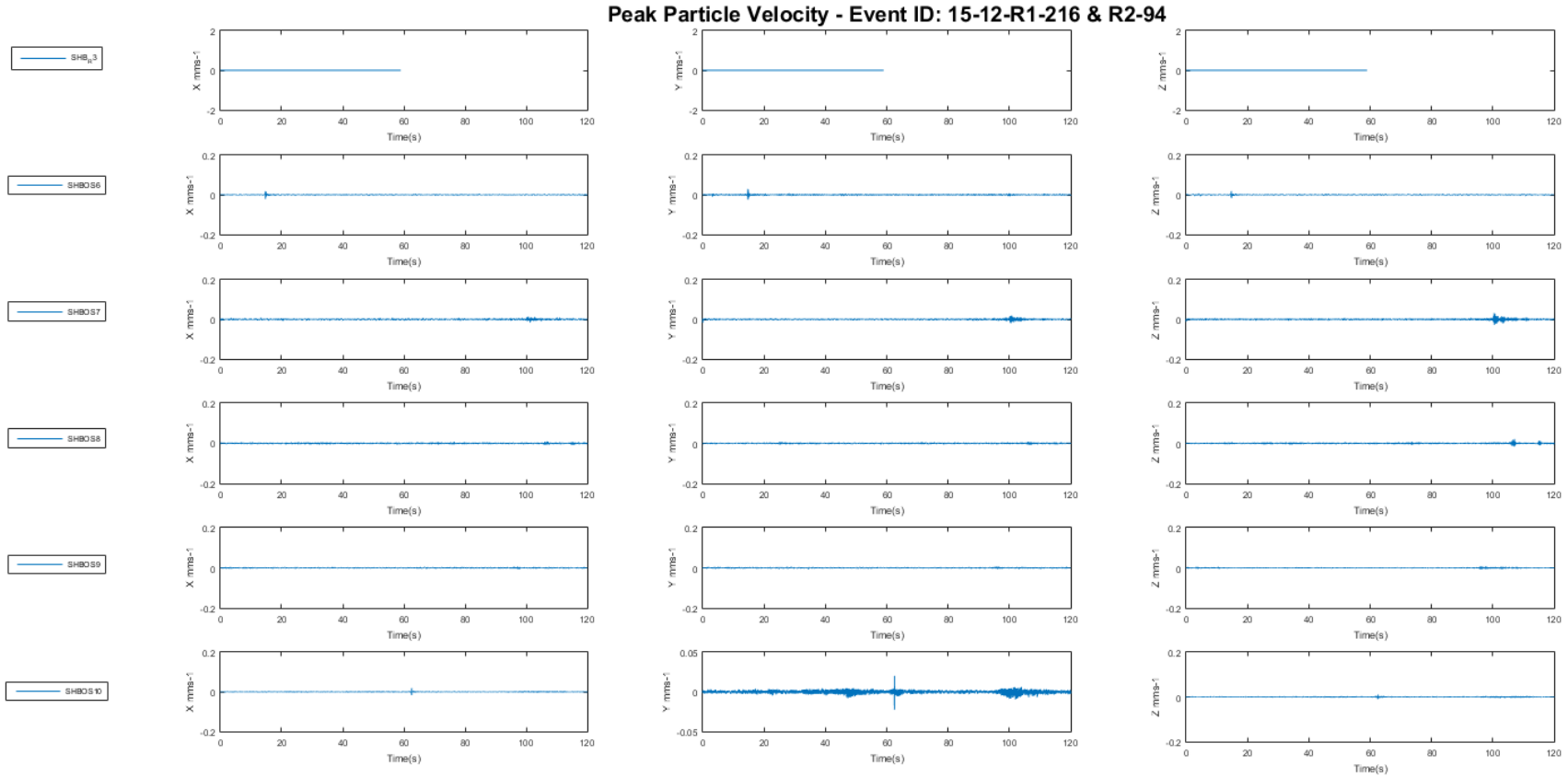


FIGURE 3.1721: SHB_OS 6 - 10 15-12-R1-216 & R2-94

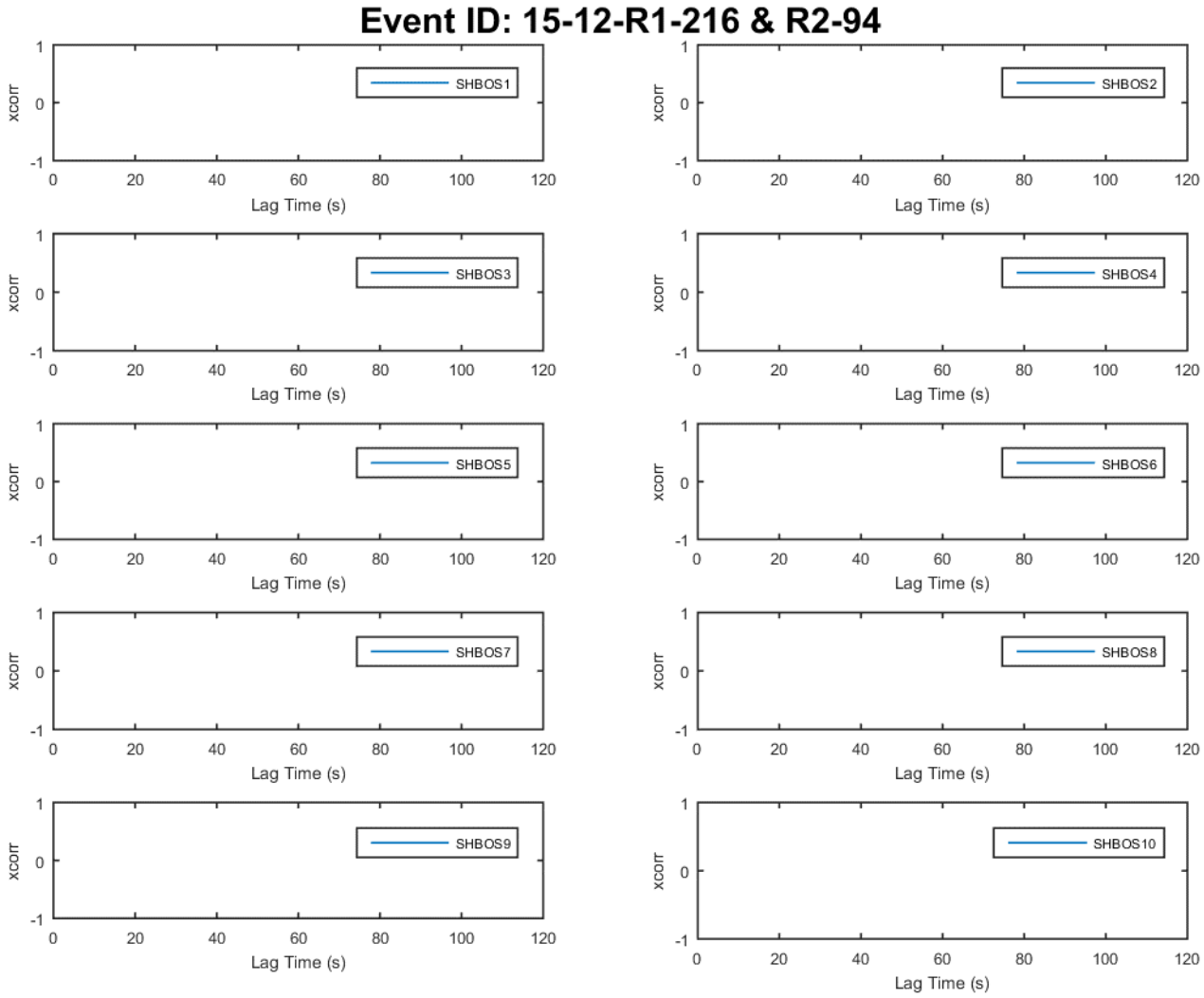


FIGURE 3.1722: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-216 & R2-94

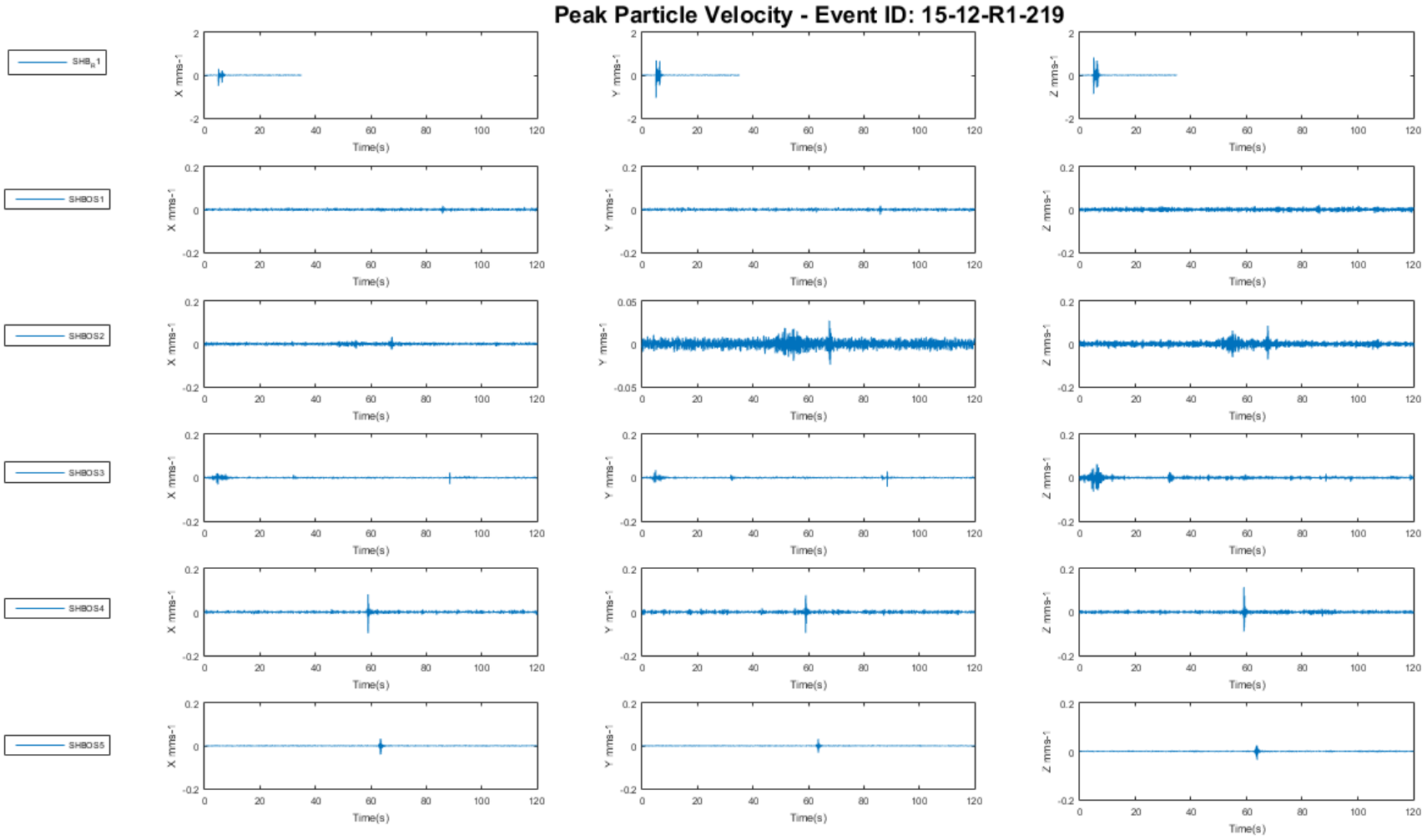


FIGURE 3.1723: SHB_OS 1 - 5 15-12-R1-219

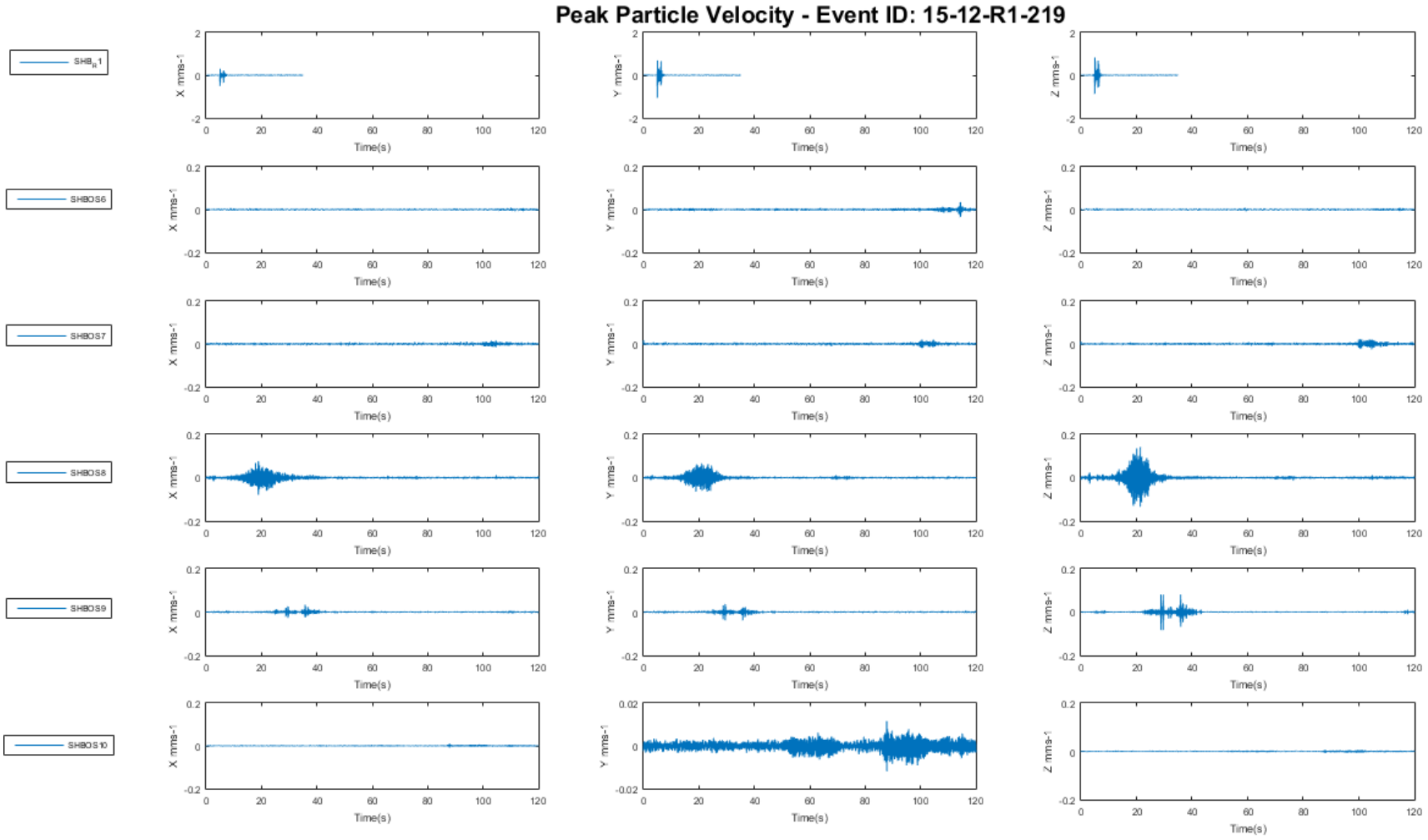


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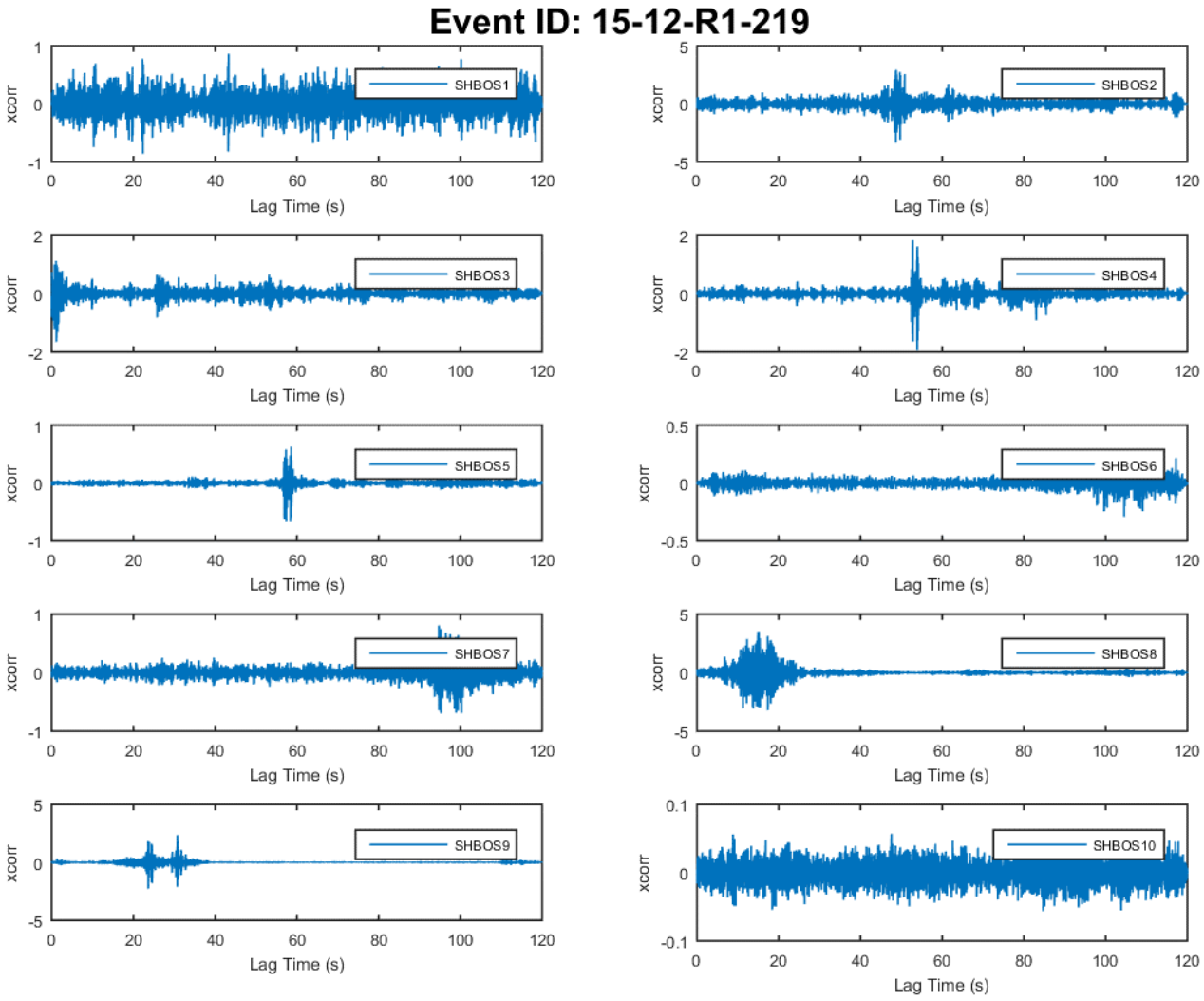


FIGURE 3.1725: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-219

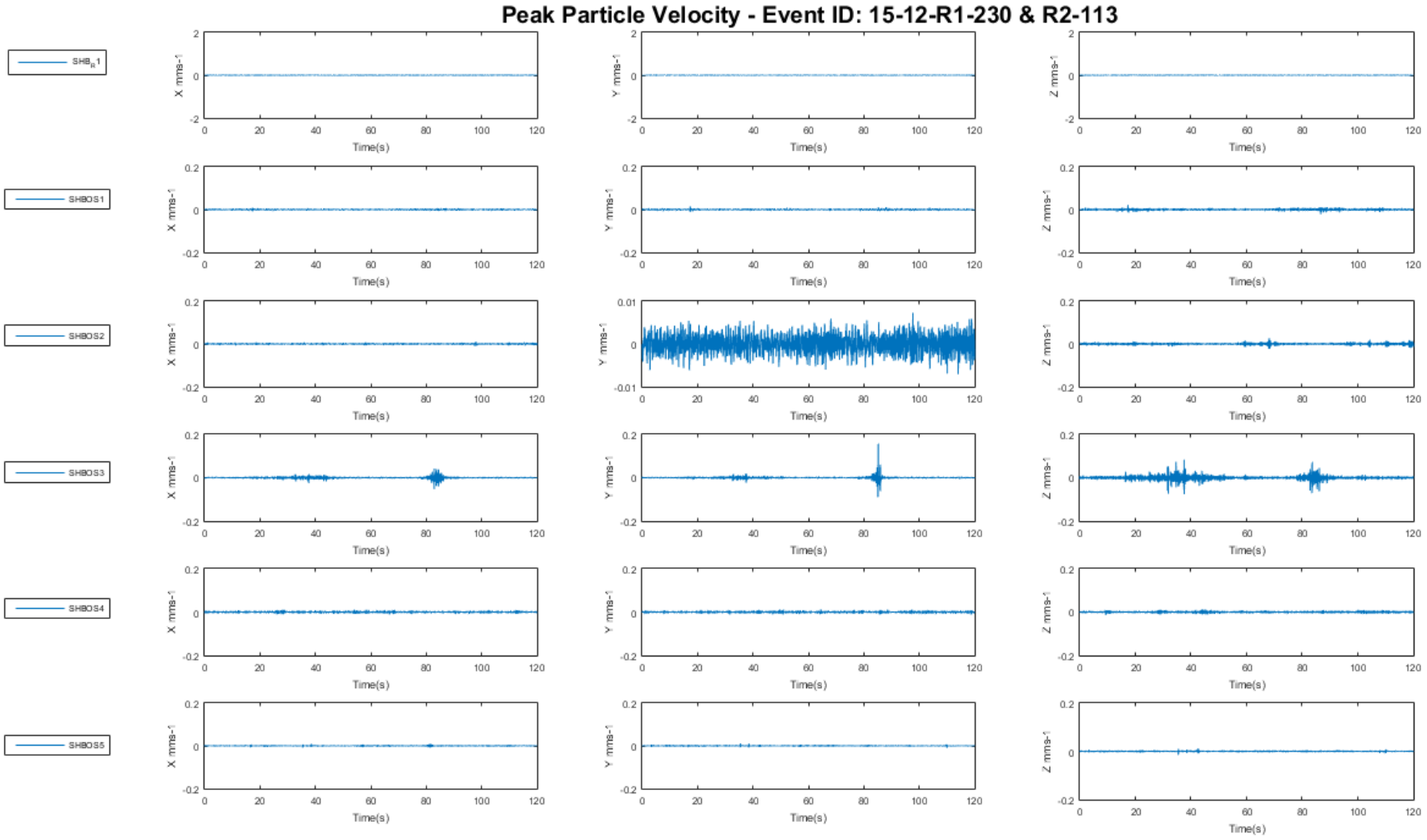


FIGURE 3.1726: SHB_OS 1 - 5 15-12-R1-230 & R2-113

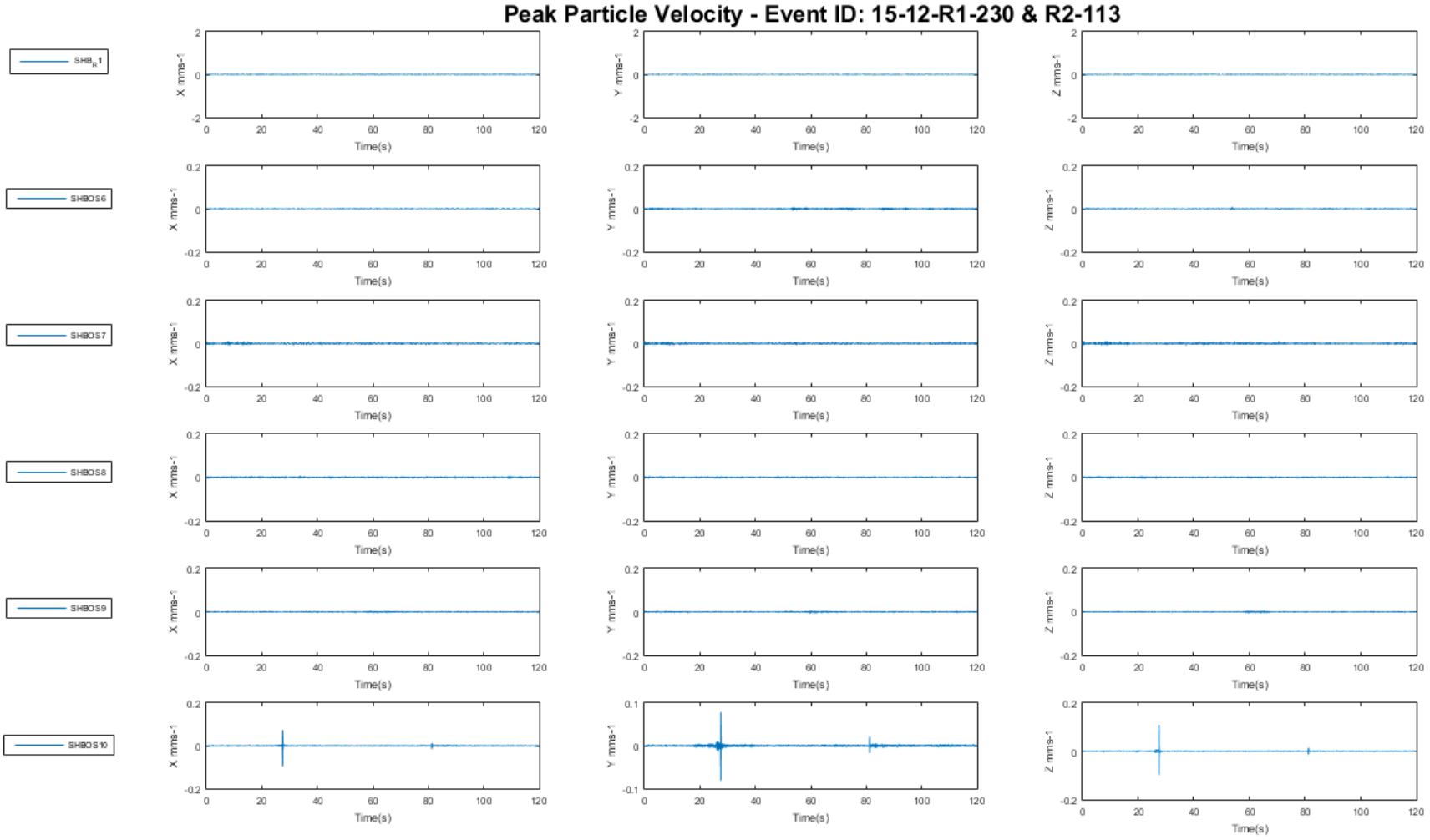


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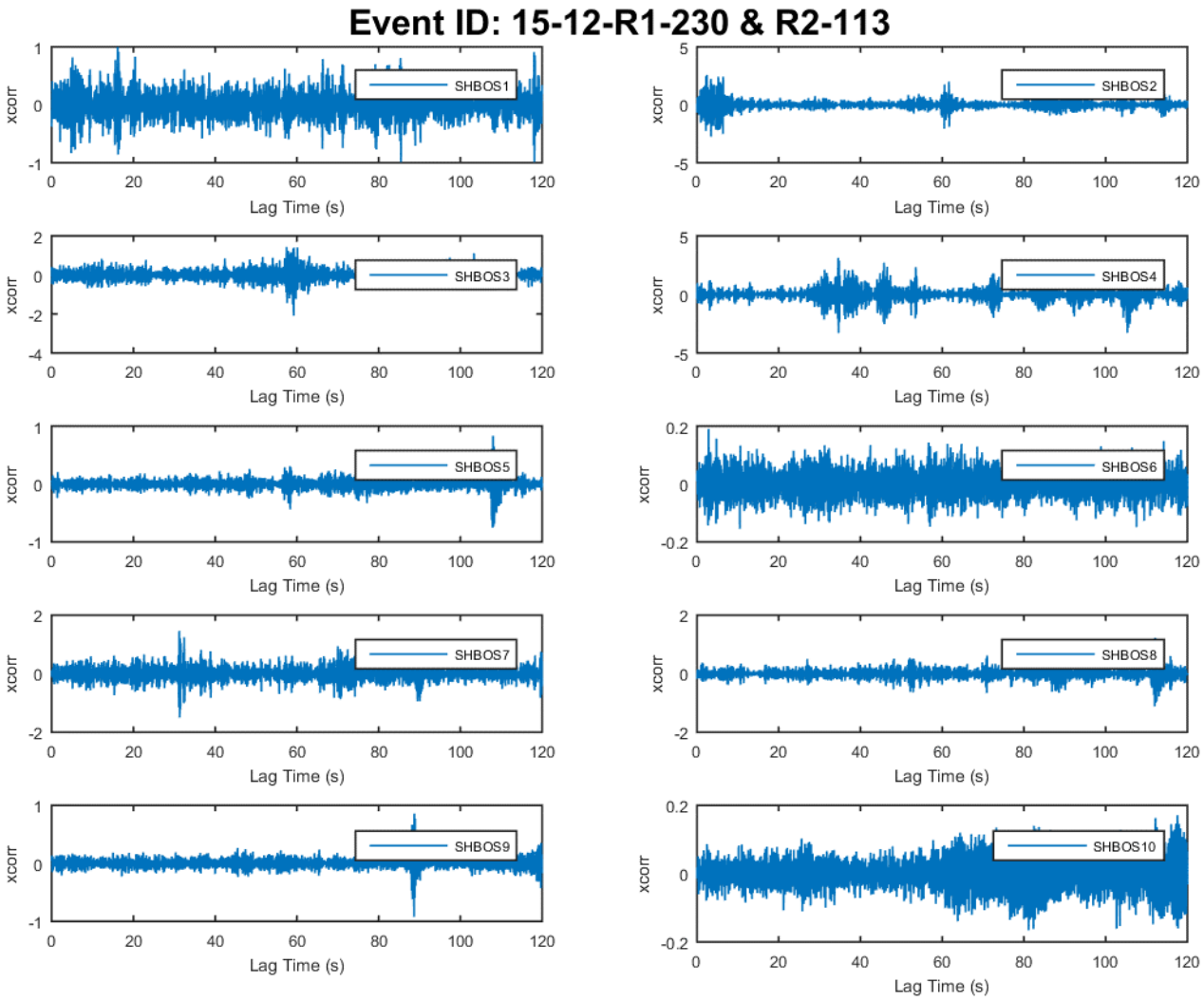


FIGURE 3.1728: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-230 & R2-113

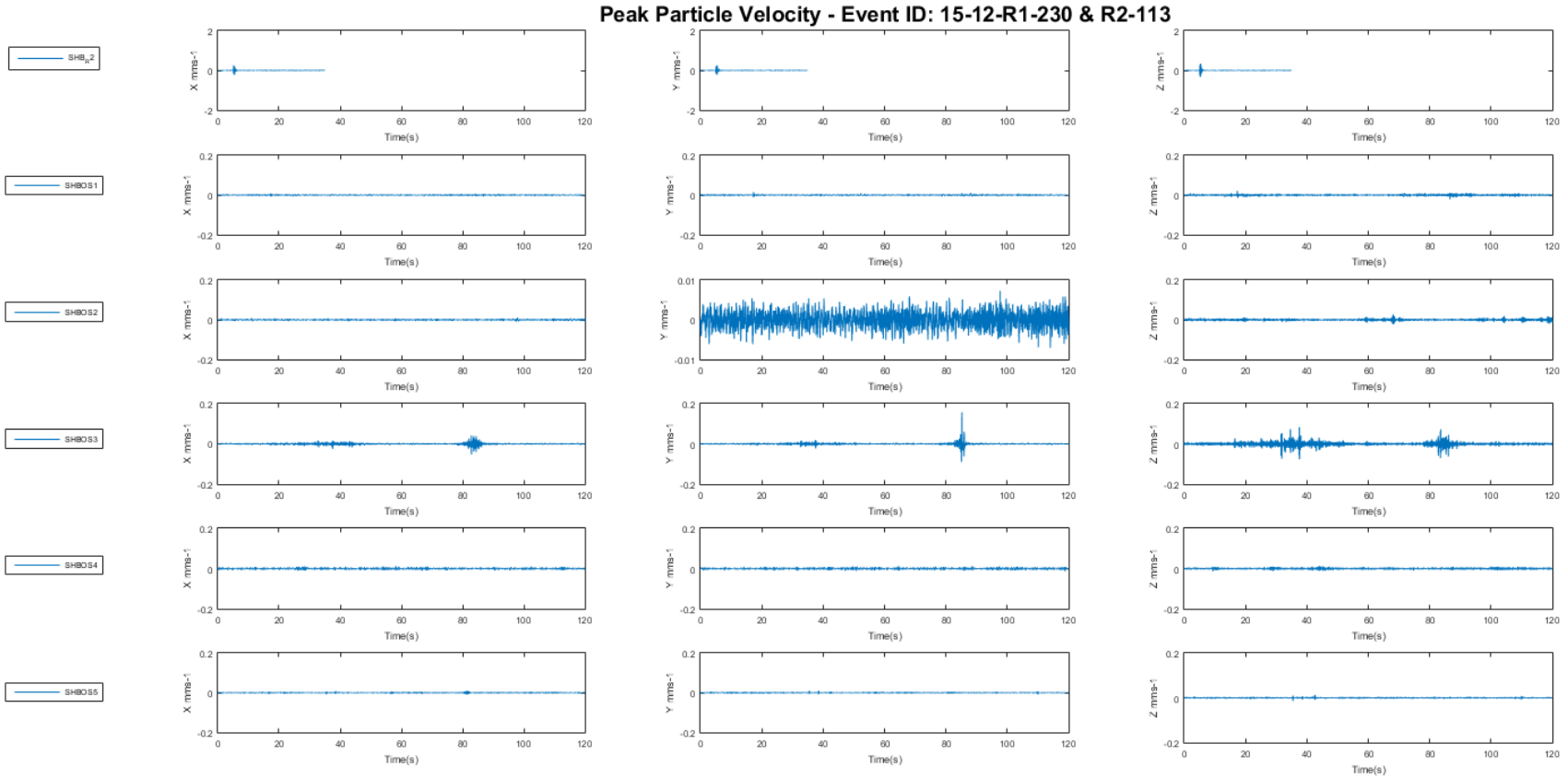


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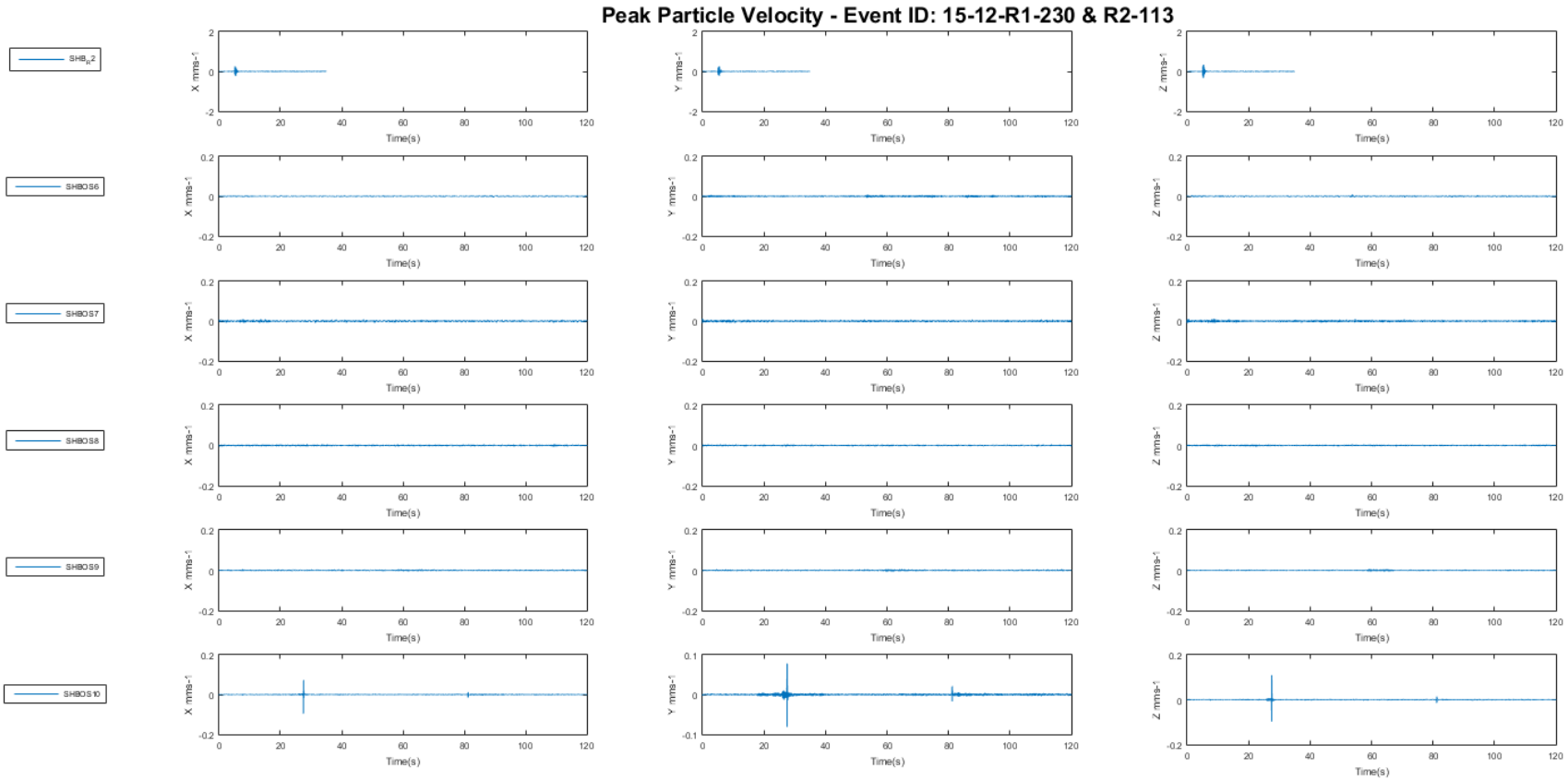


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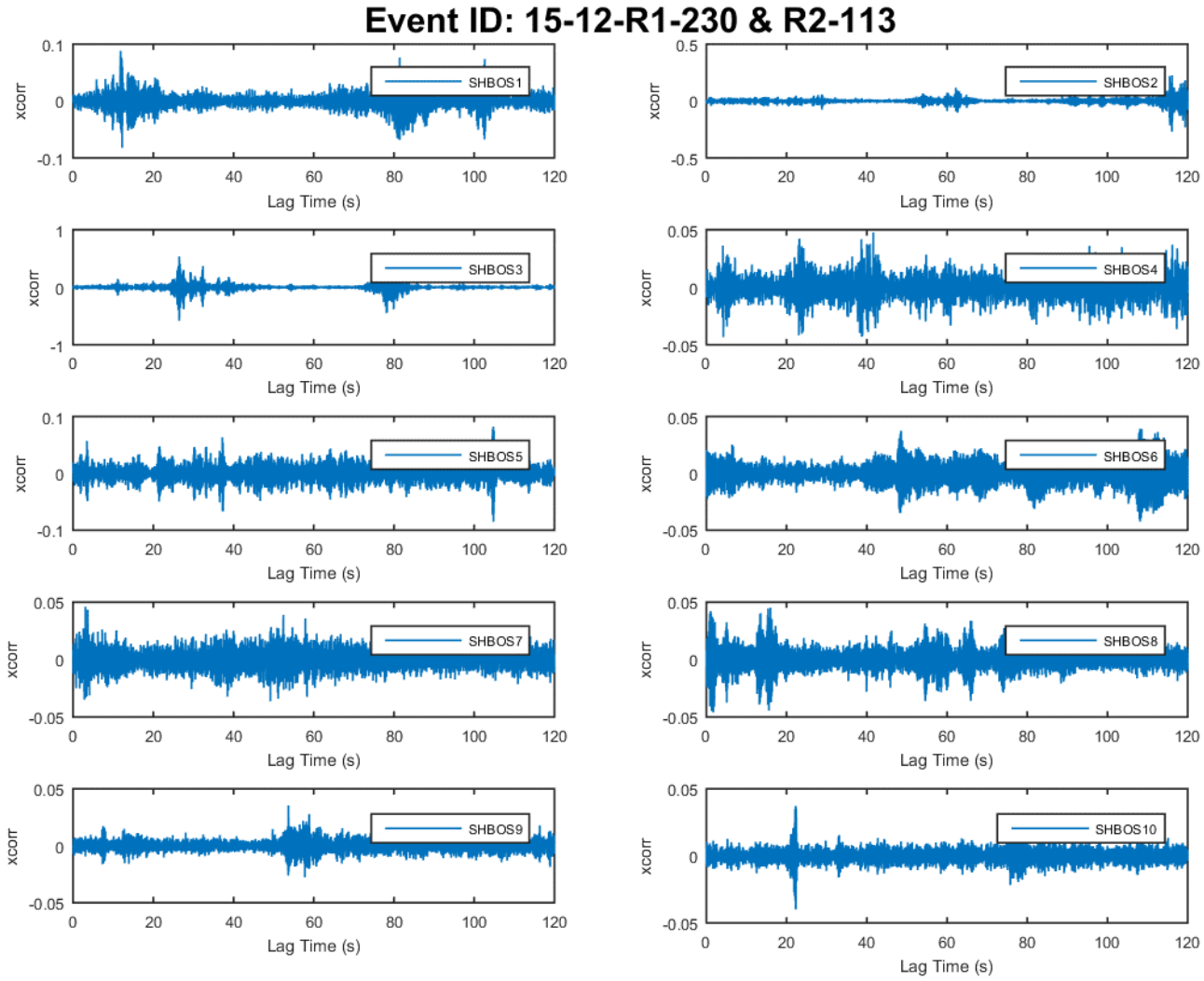


FIGURE 3.1731: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-230 & R2-113

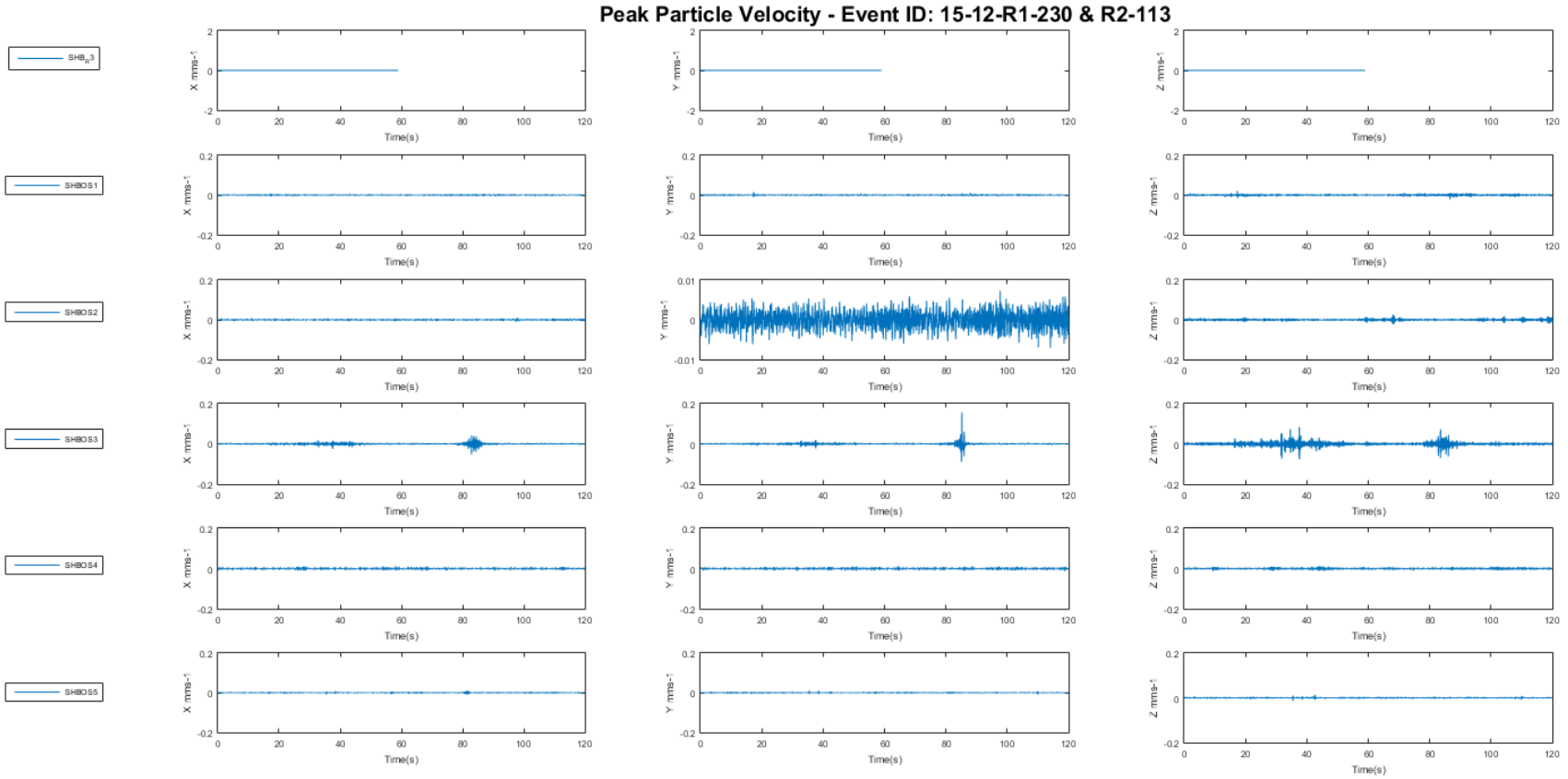


FIGURE 3.1732: SHB_OS 1 - 5 15-12-R1-230 & R2-113

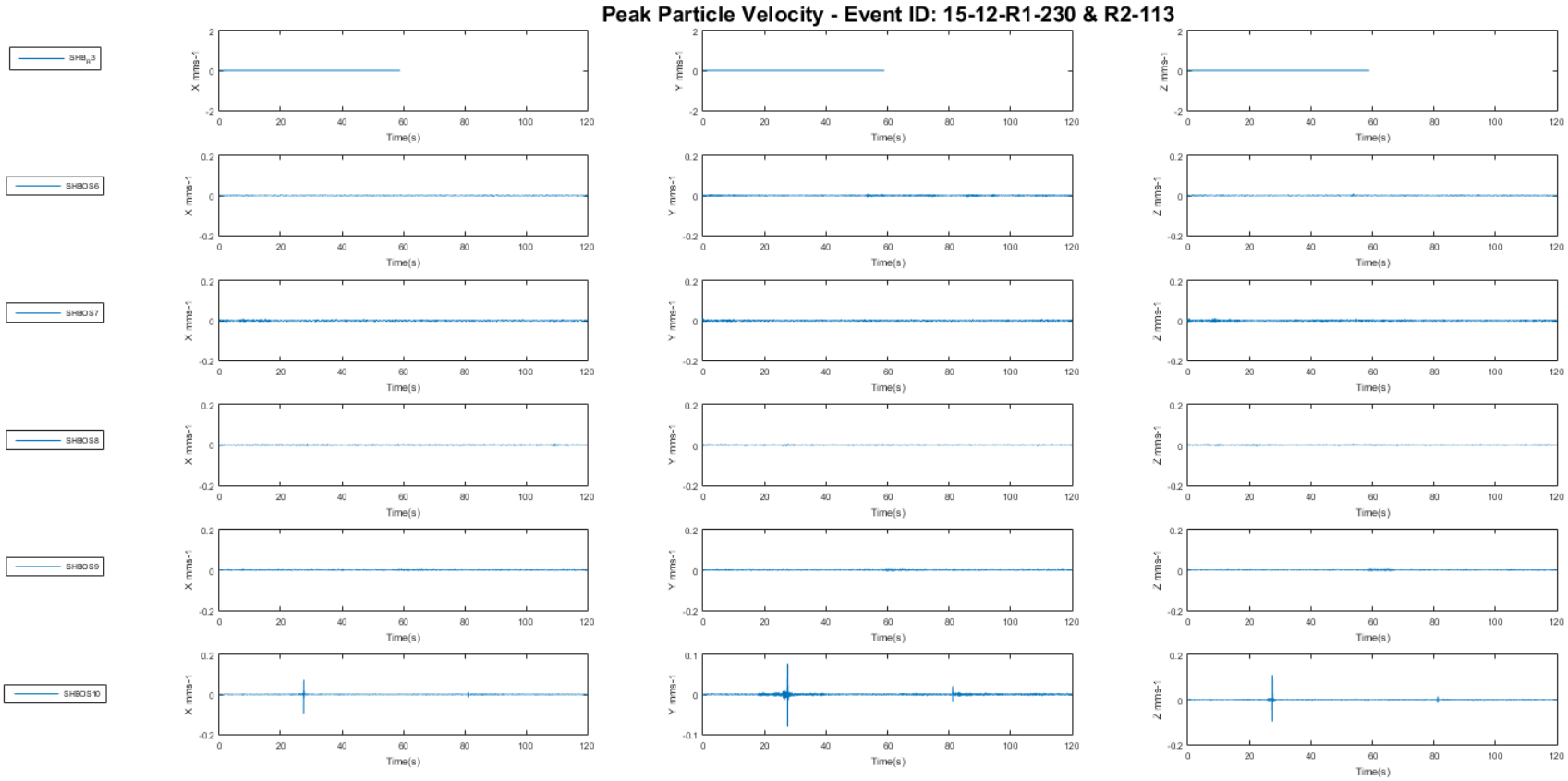


FIGURE 3.1733: SHB_OS 6 - 10 15-12-R1-230 & R2-113

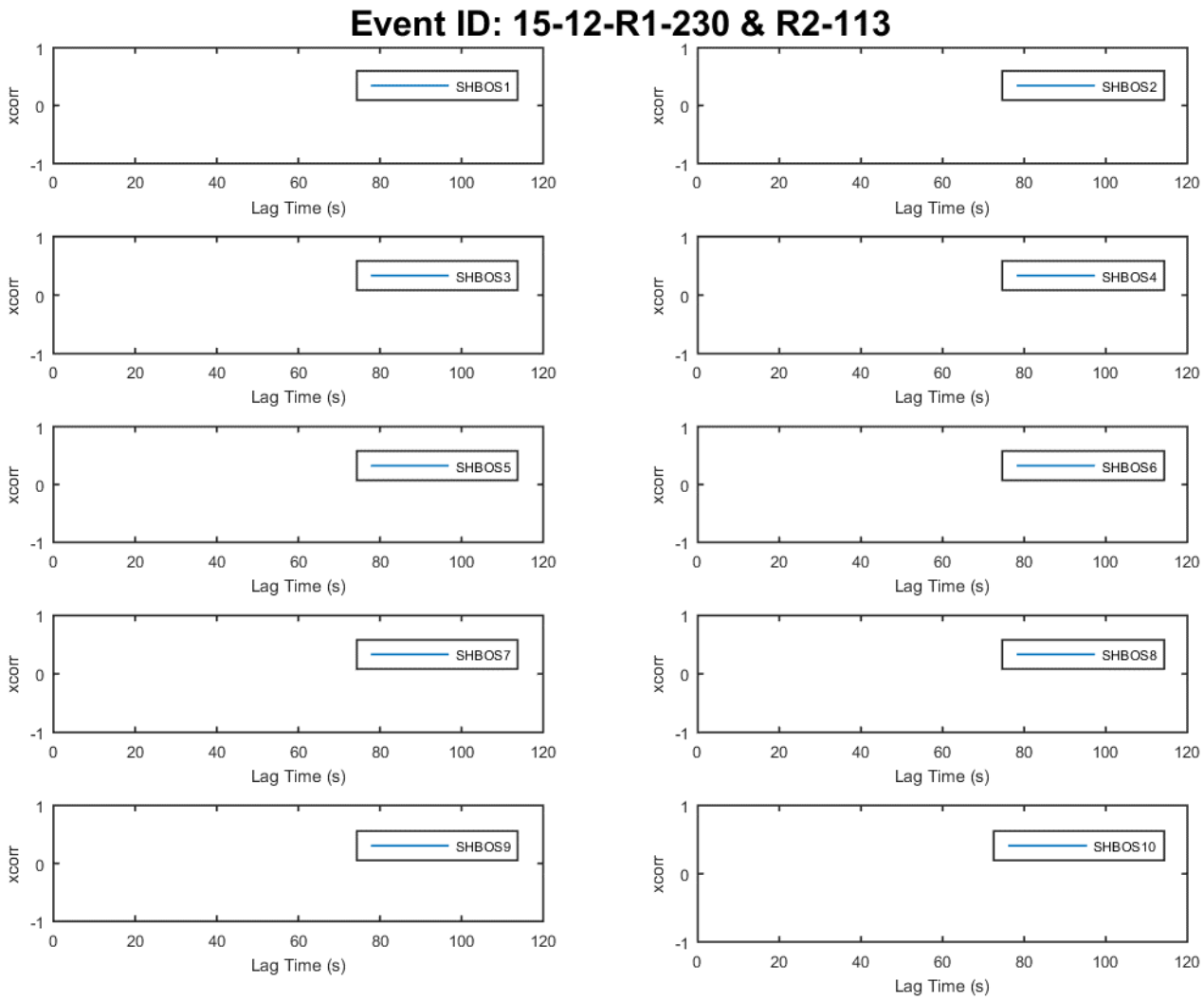


FIGURE 3.1734: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-230 & R2-113

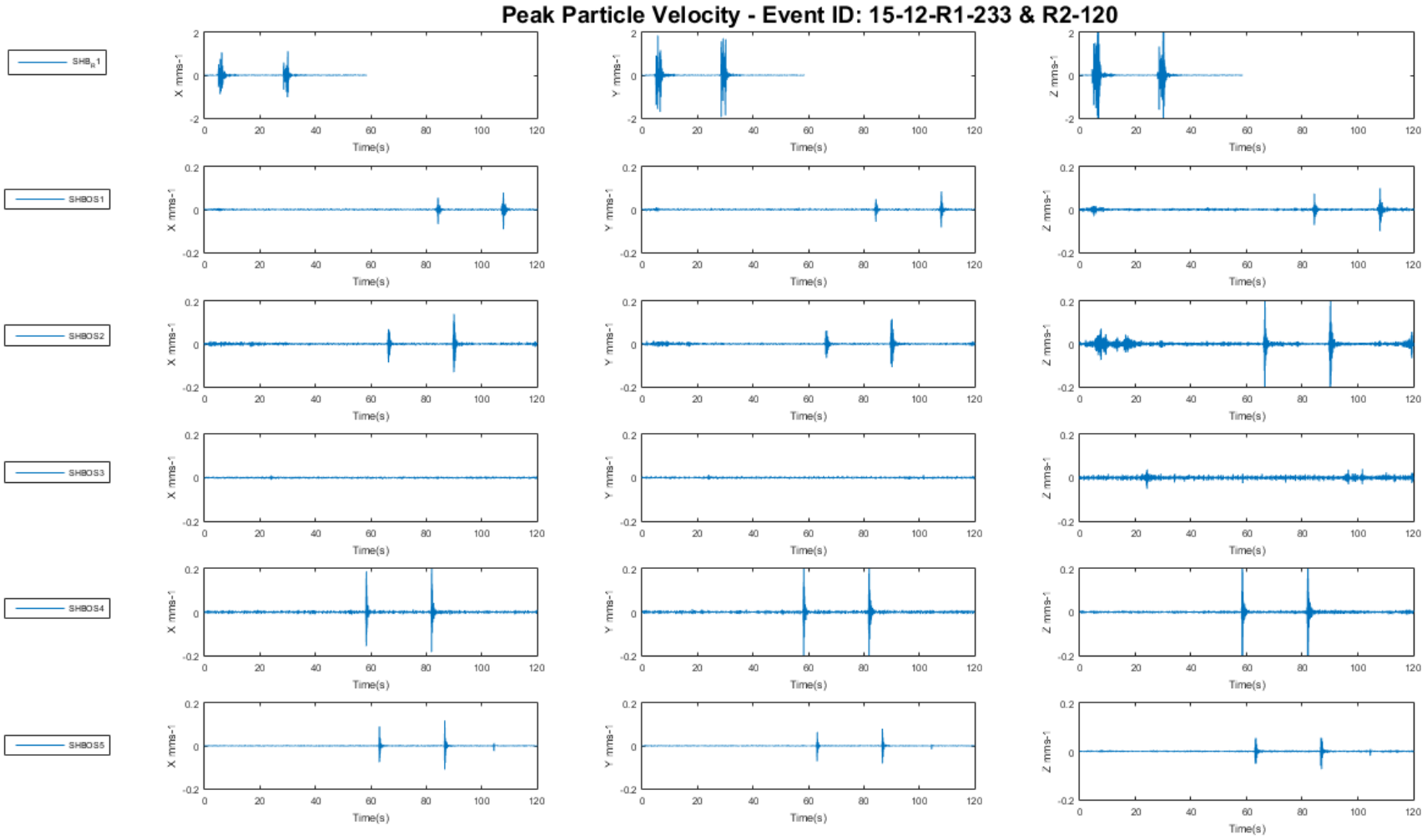


FIGURE 3.1735: SHB_OS 1 - 5 15-12-R1-233 & R2-120

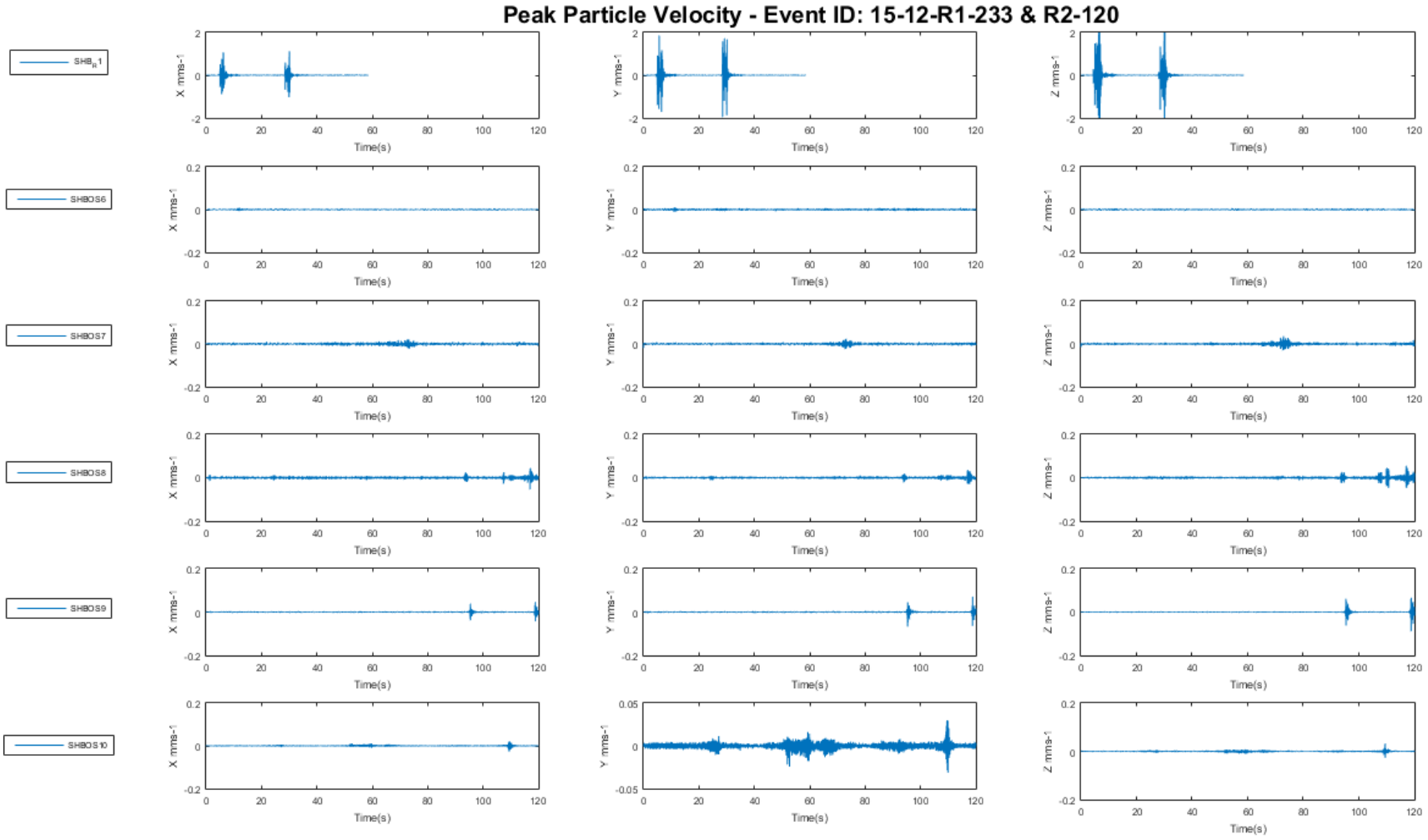


FIGURE 3.1736: SHB_OS 6 - 10 15-12-R1-233 & R2-120

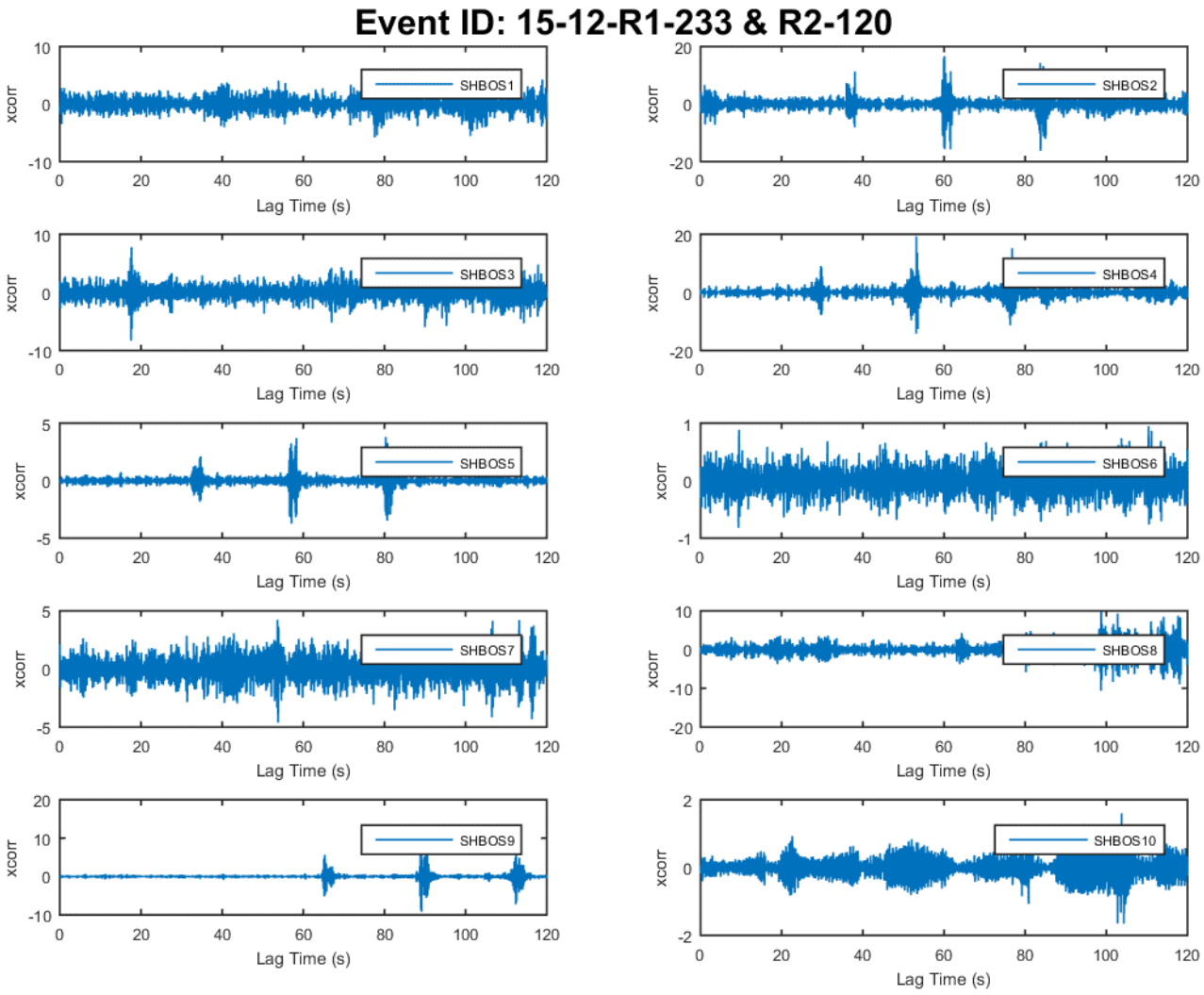


FIGURE 3.1737: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-233 & R2-120

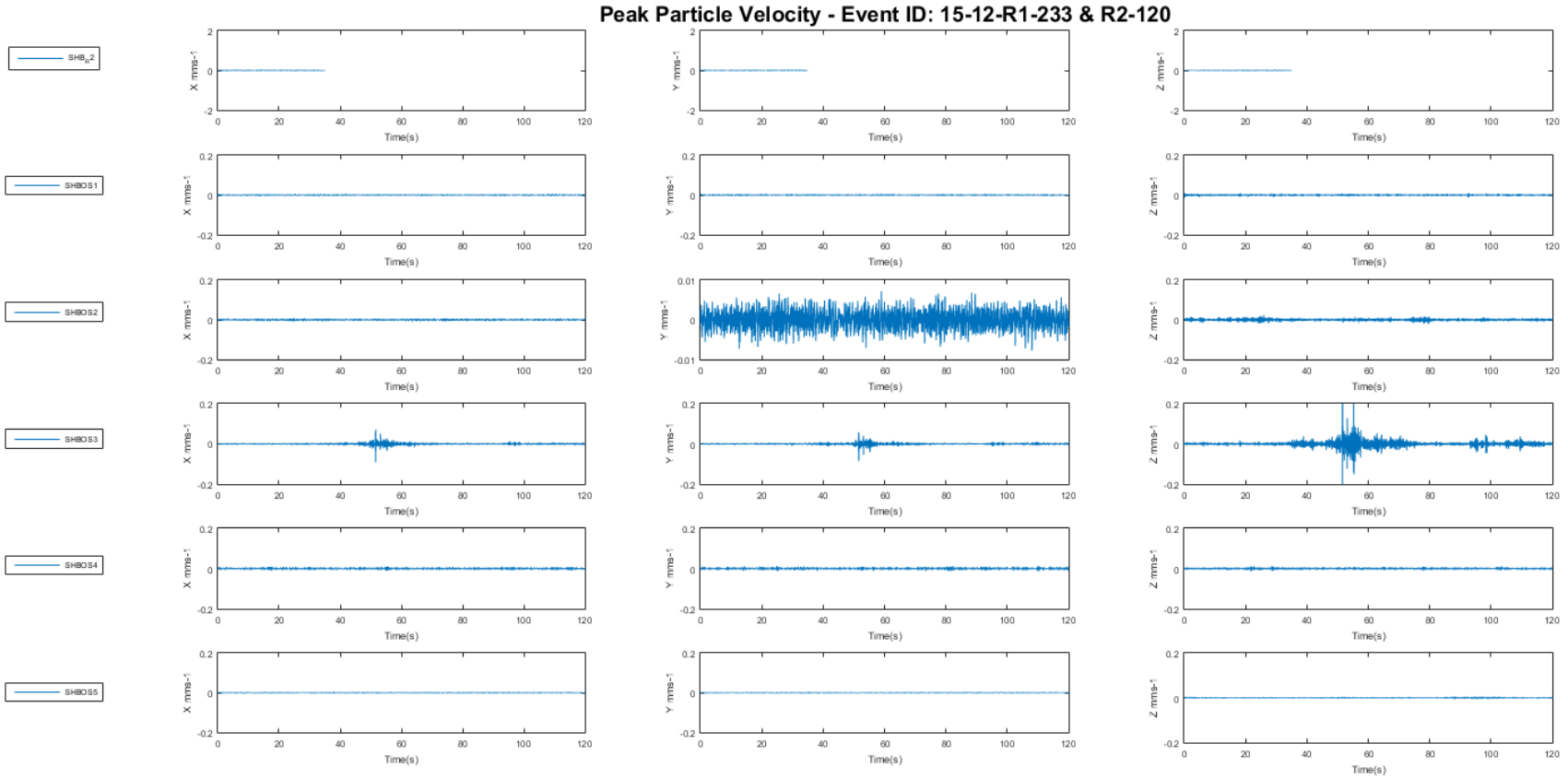


FIGURE 3.1738: SHB_OS 1 - 5 15-12-R1-233 & R2-120

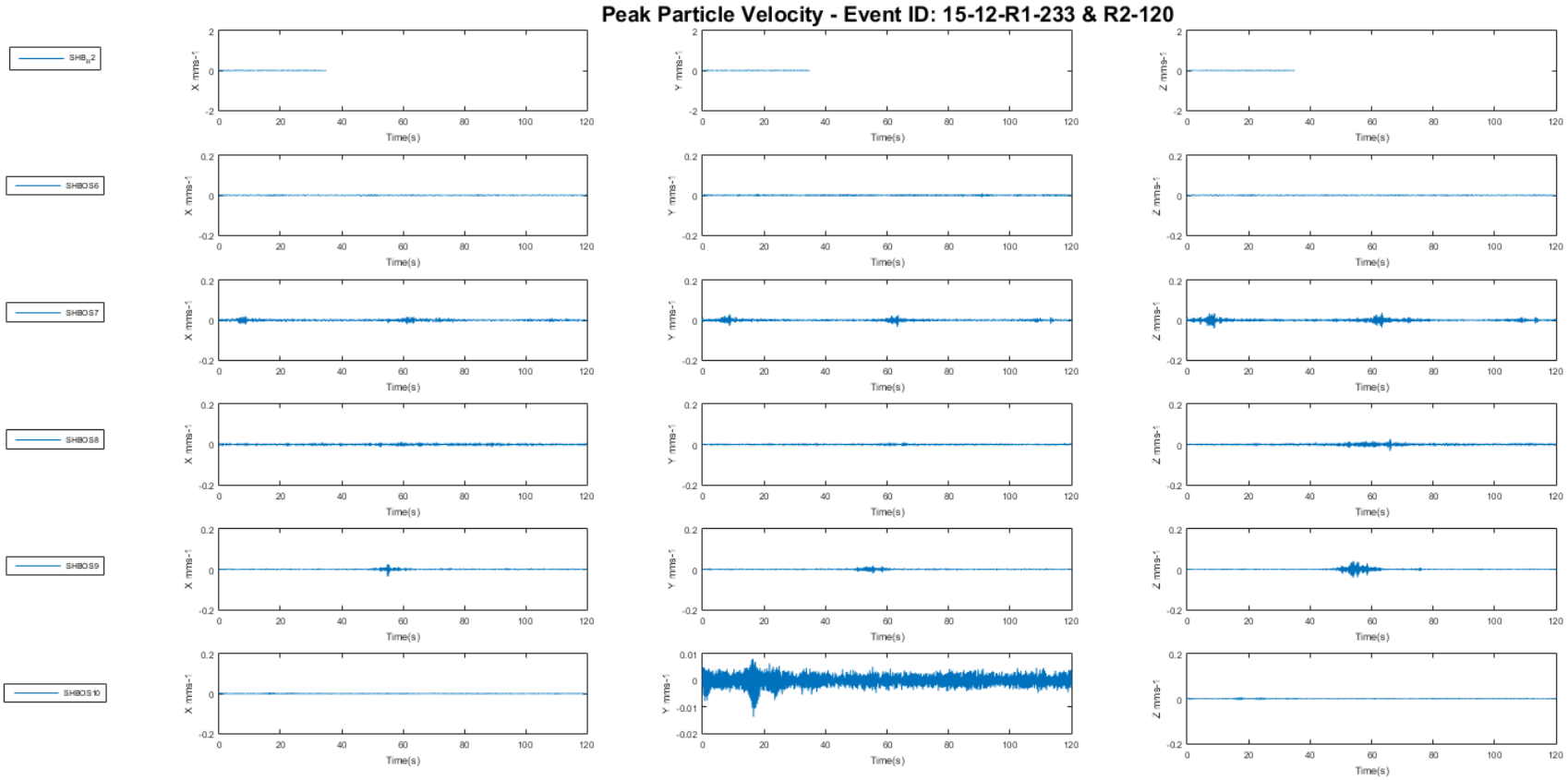


FIGURE 3.1739: SHB_OS 6 - 10 15-12-R1-233 & R2-120

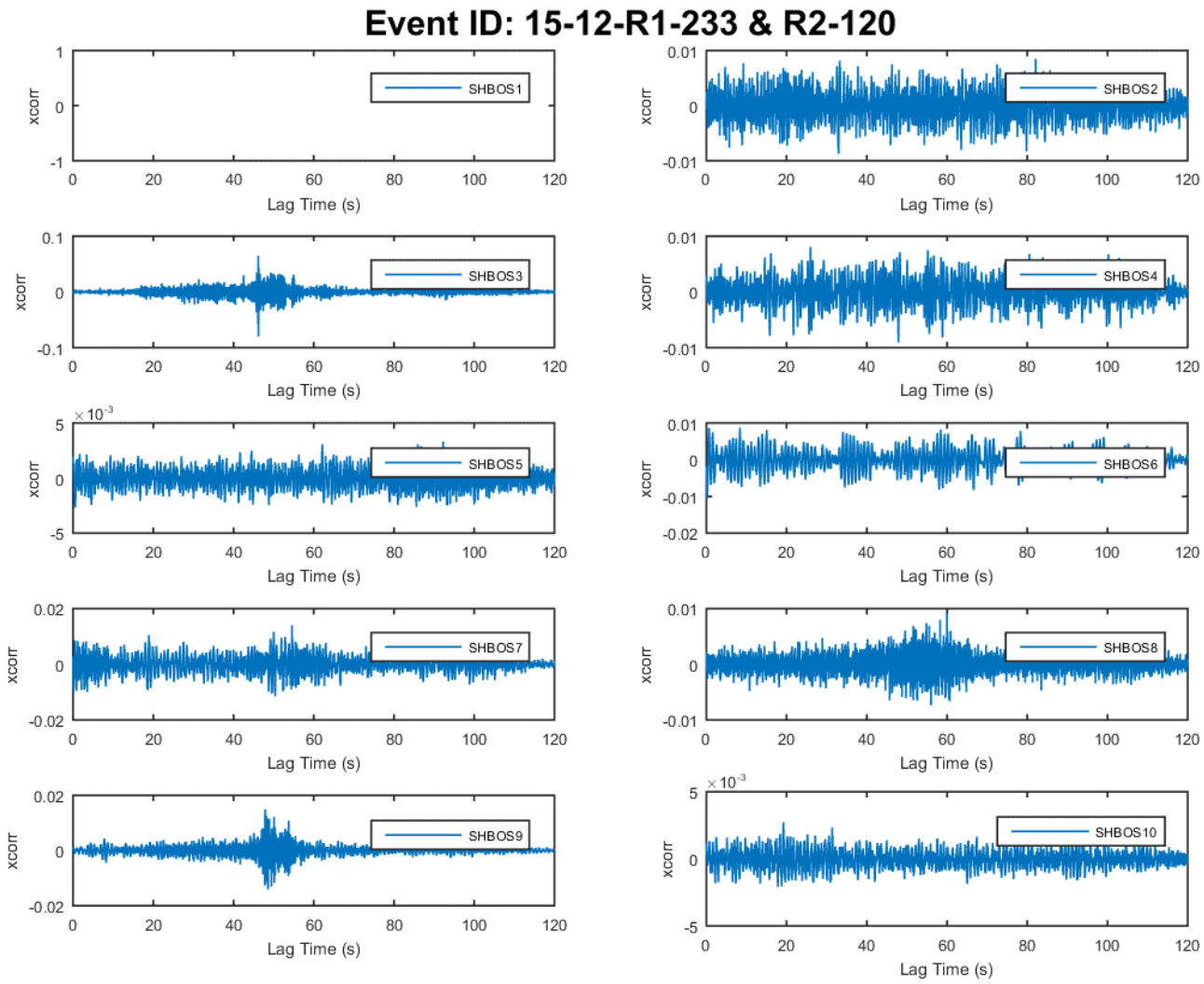


FIGURE 3.1740: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-233 & R2-120

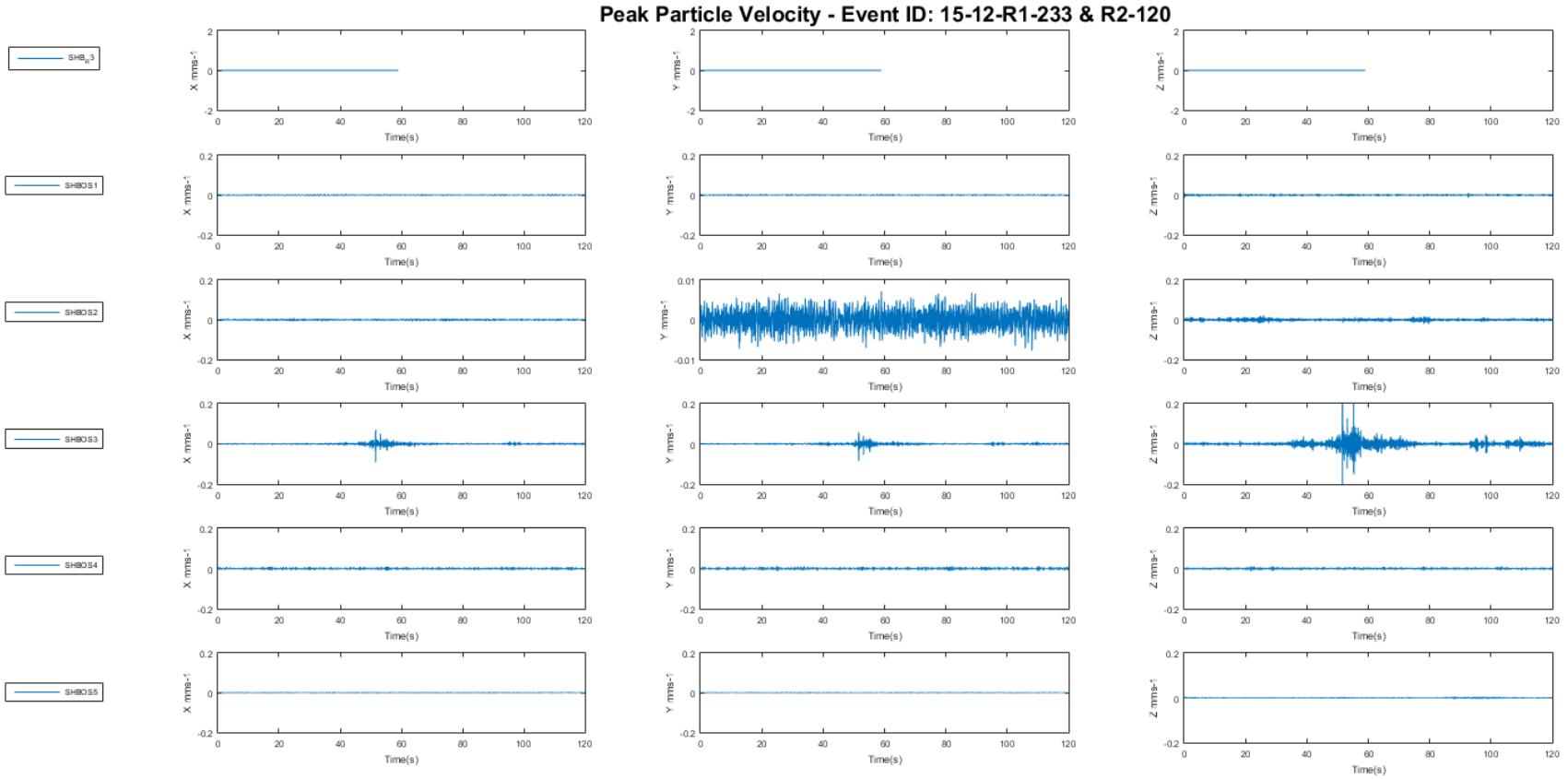


FIGURE 3.1741: SHB_OS 1 - 5 15-12-R1-233 & R2-120

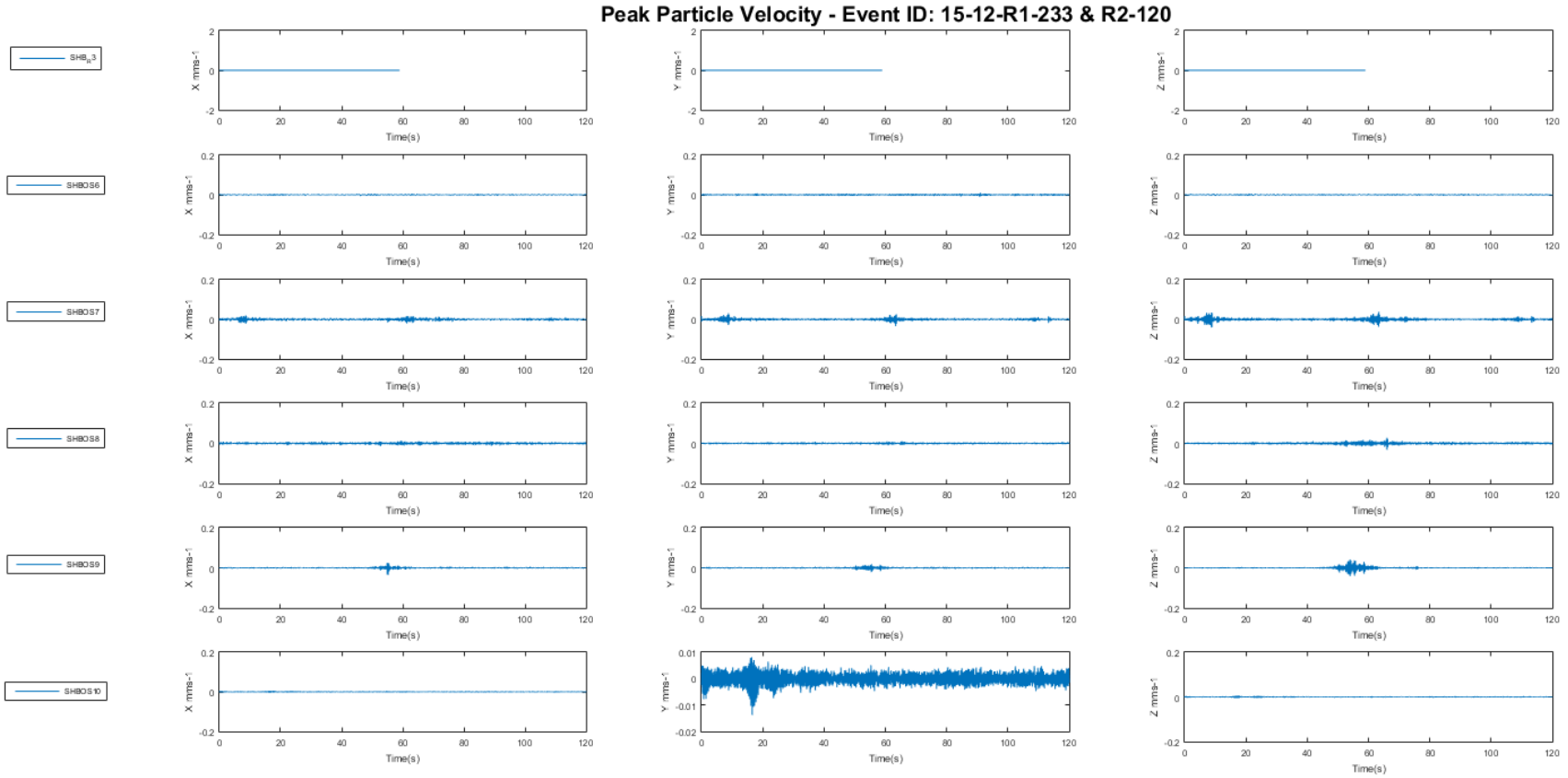


FIGURE 3.1742: SHB_OS 6 - 10 15-12-R1-233 & R2-120

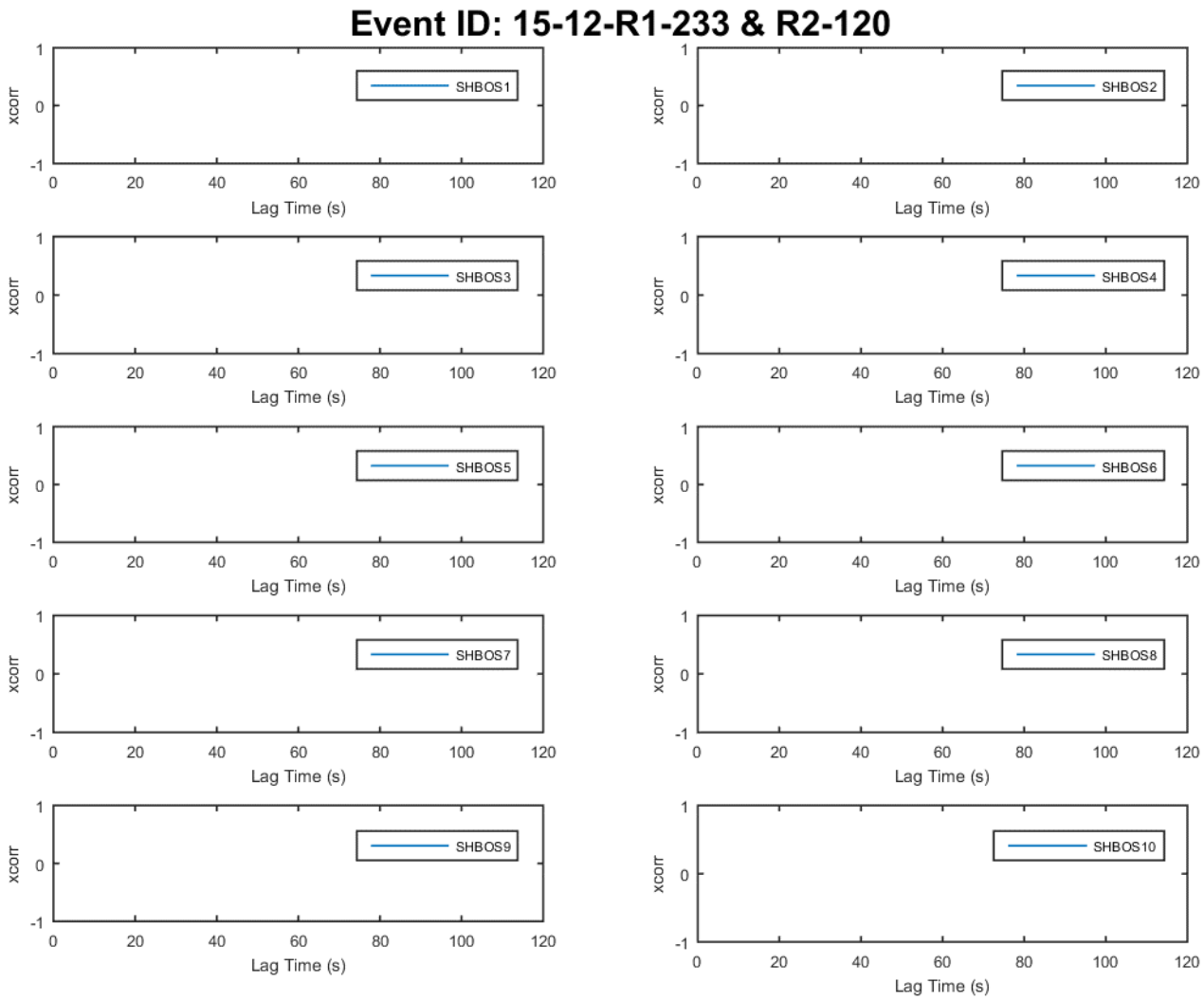


FIGURE 3.1743: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-233 & R2-120

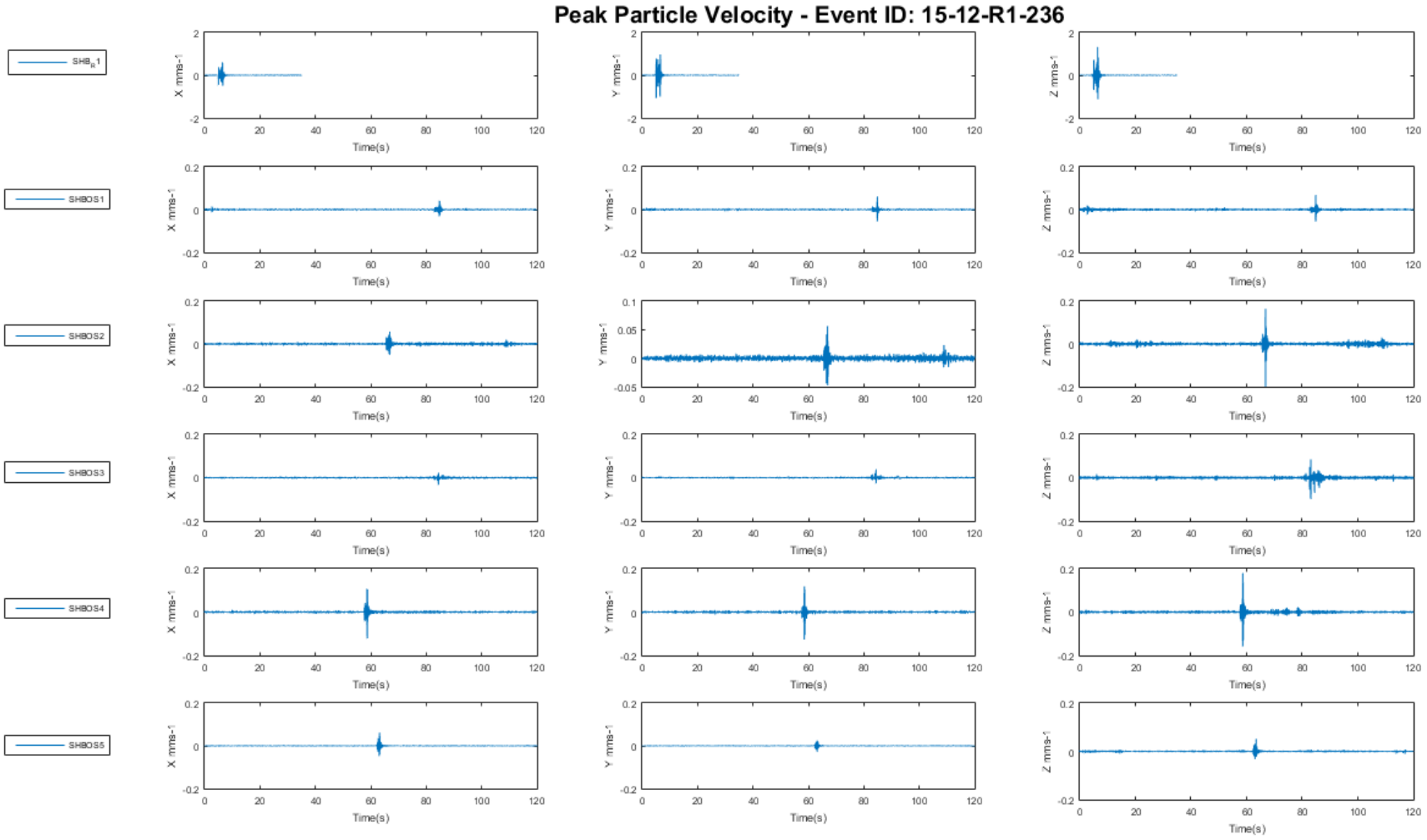


FIGURE 3.1744: SHB_OS 1 - 5 15-12-R1-236

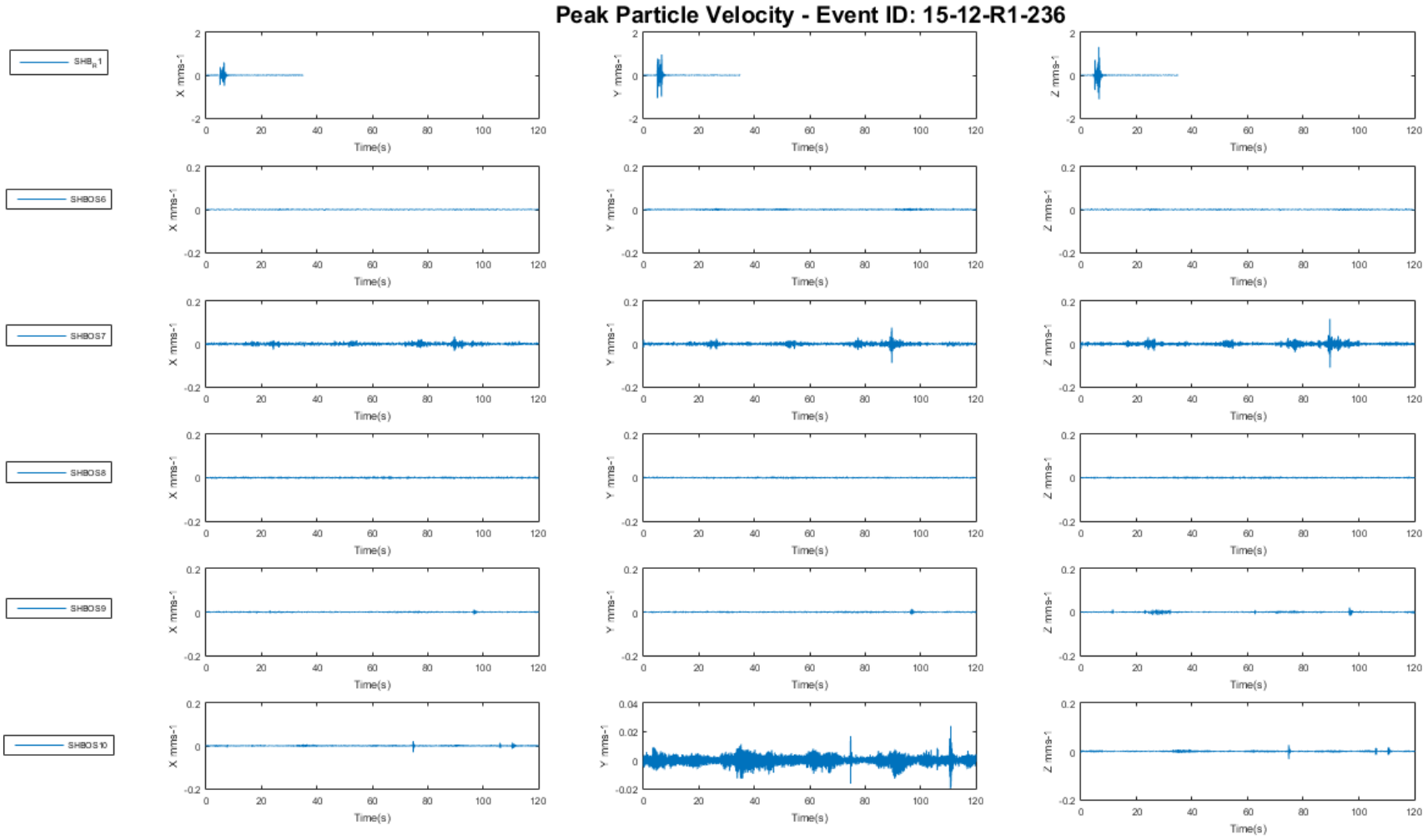


FIGURE 3.1745: SHB_OS 6 - 10 15-12-R1-236

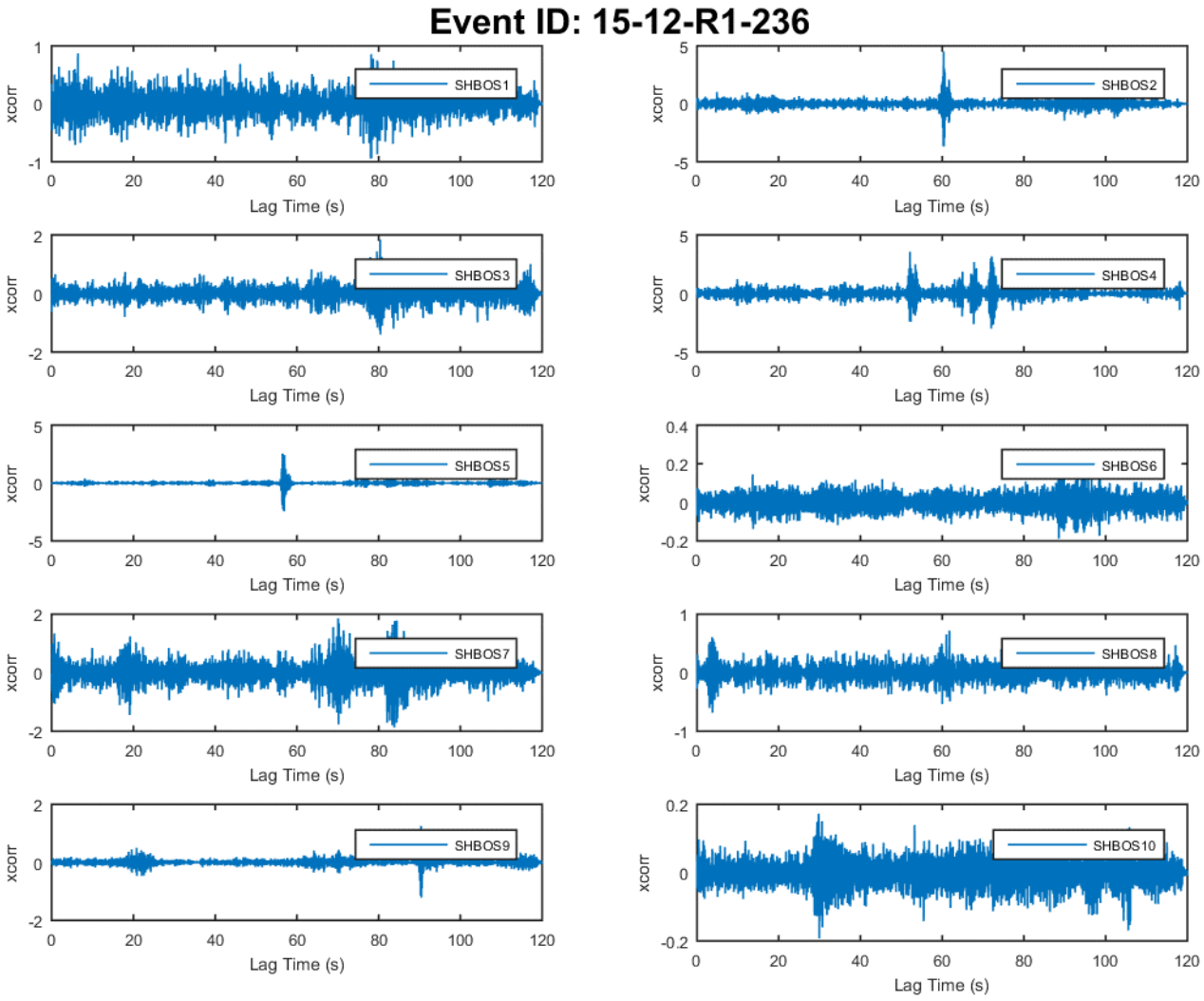


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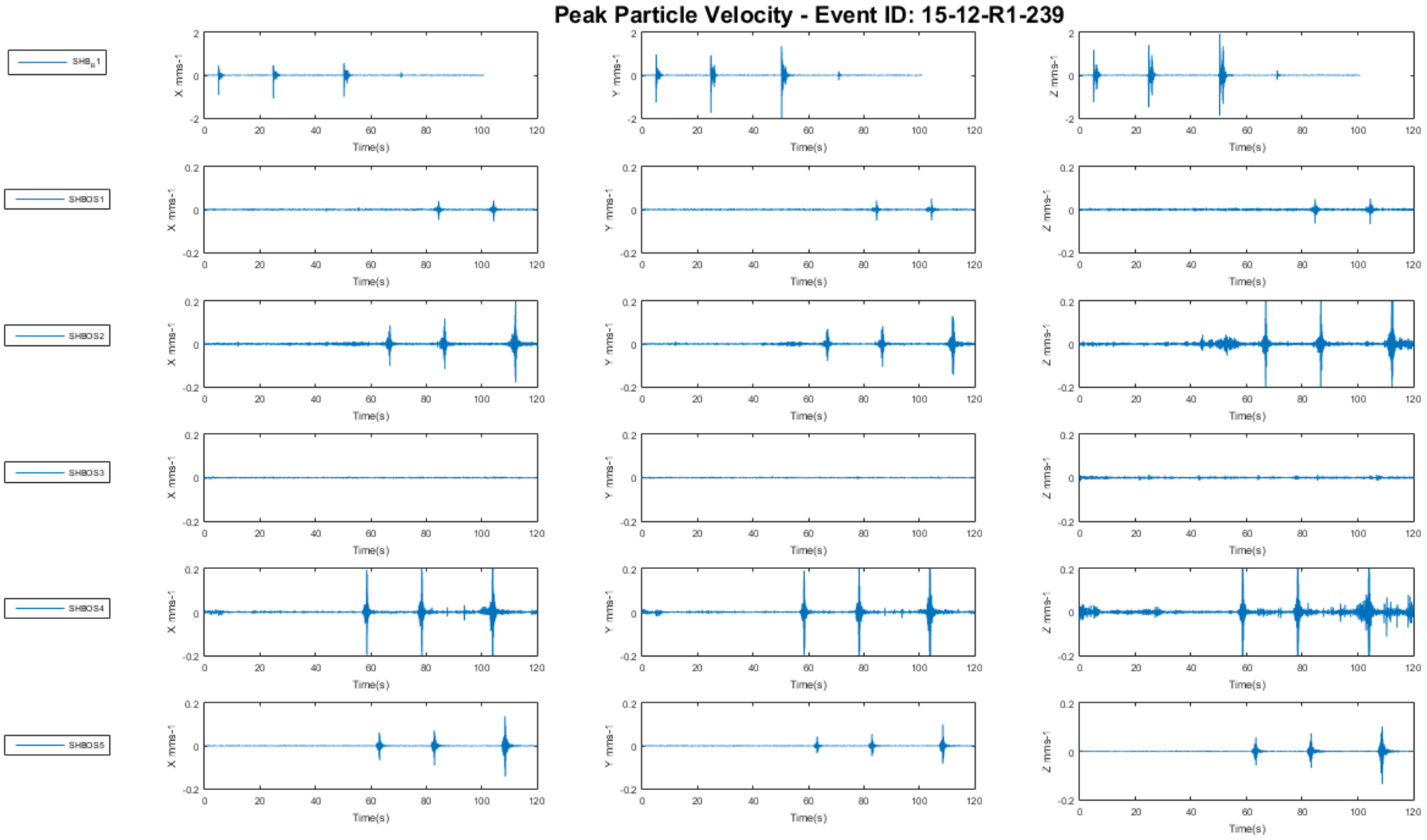


FIGURE 3.1747: SHB_OS 1 - 5 15-12-R1-239

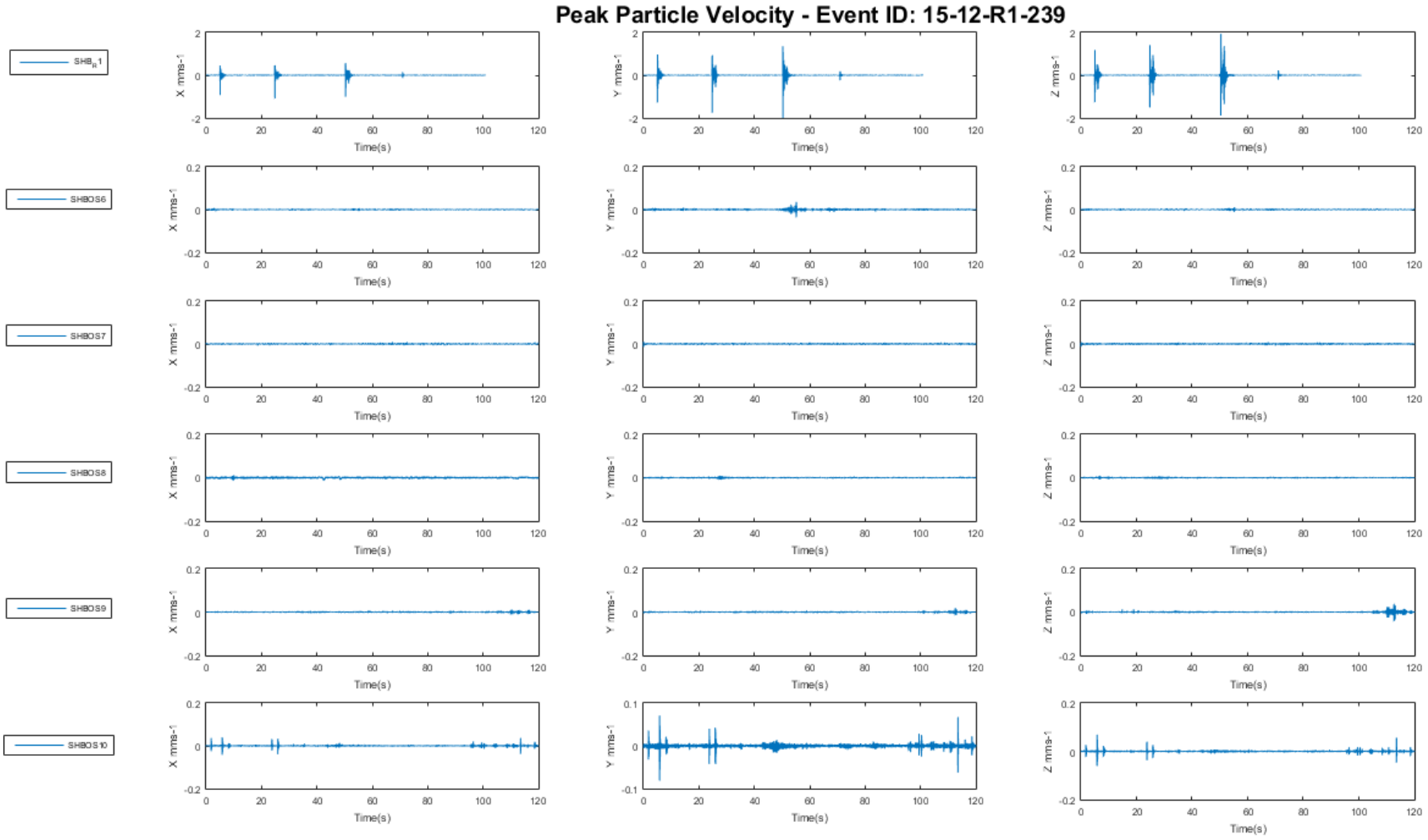


FIGURE 3.1748: SHB_OS 6 - 10 15-12-R1-239

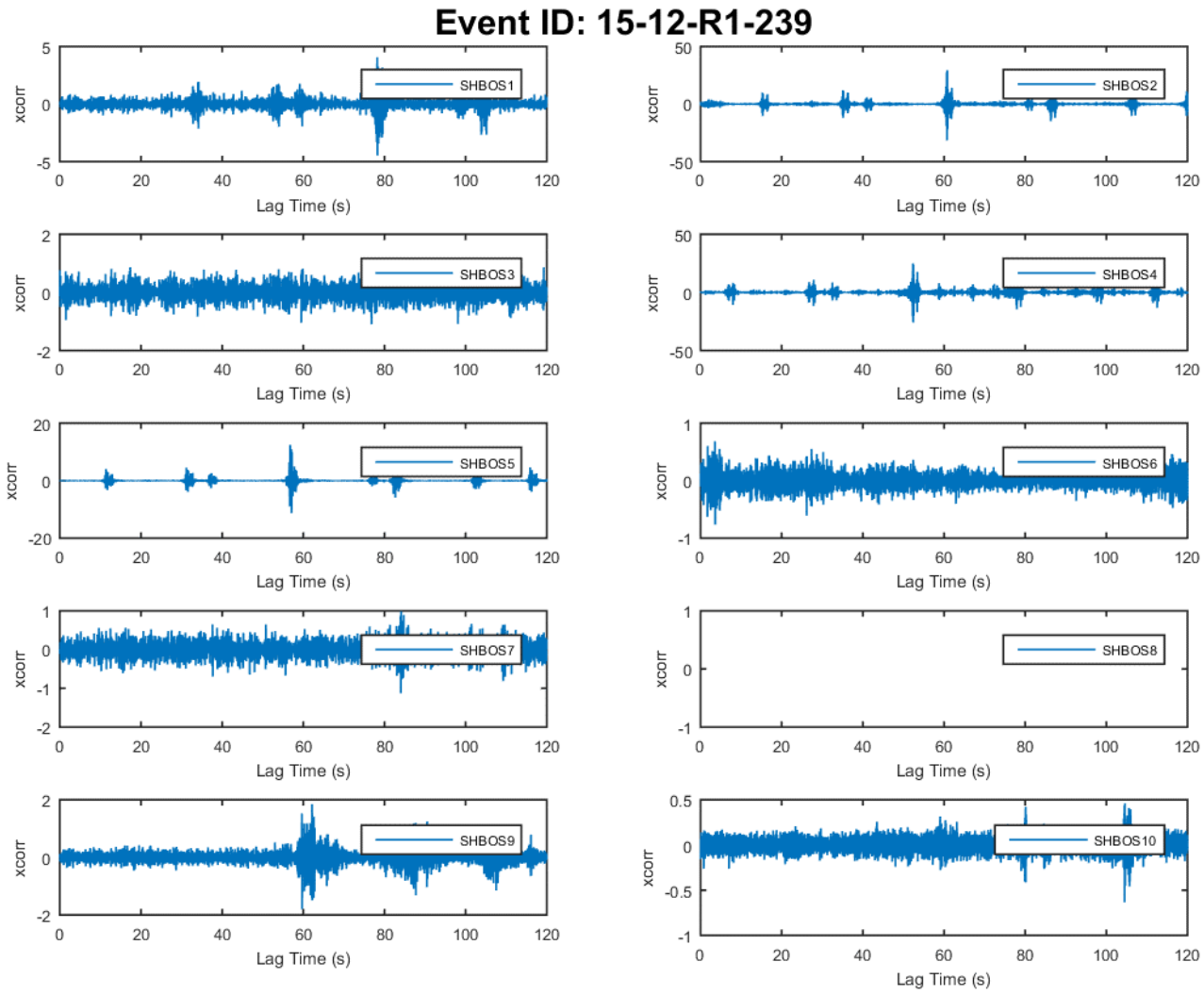


FIGURE 3.1749: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-239

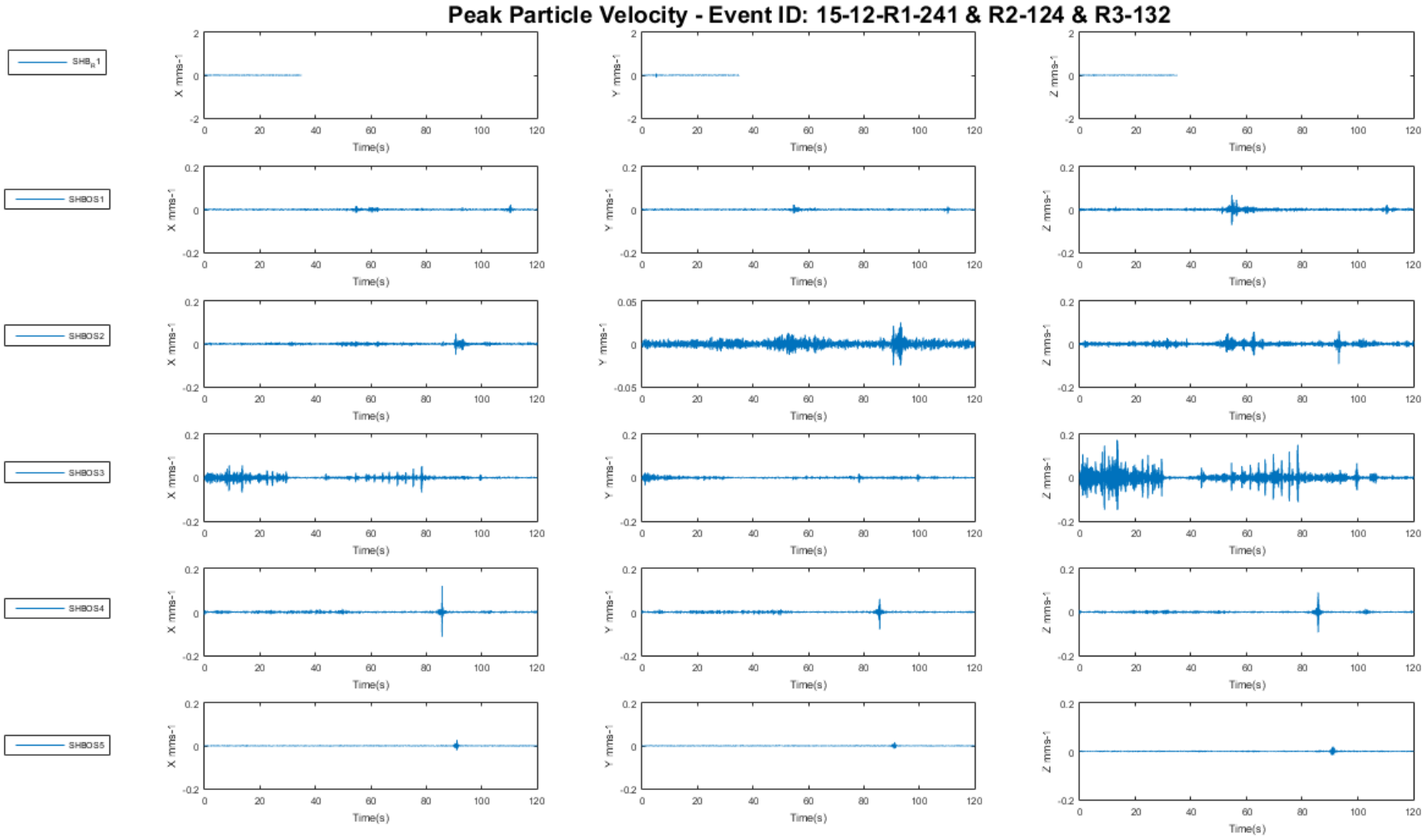


FIGURE 3.1750: SHB_OS 1 - 5 15-12-R1-241 & R2-124 & R3-132

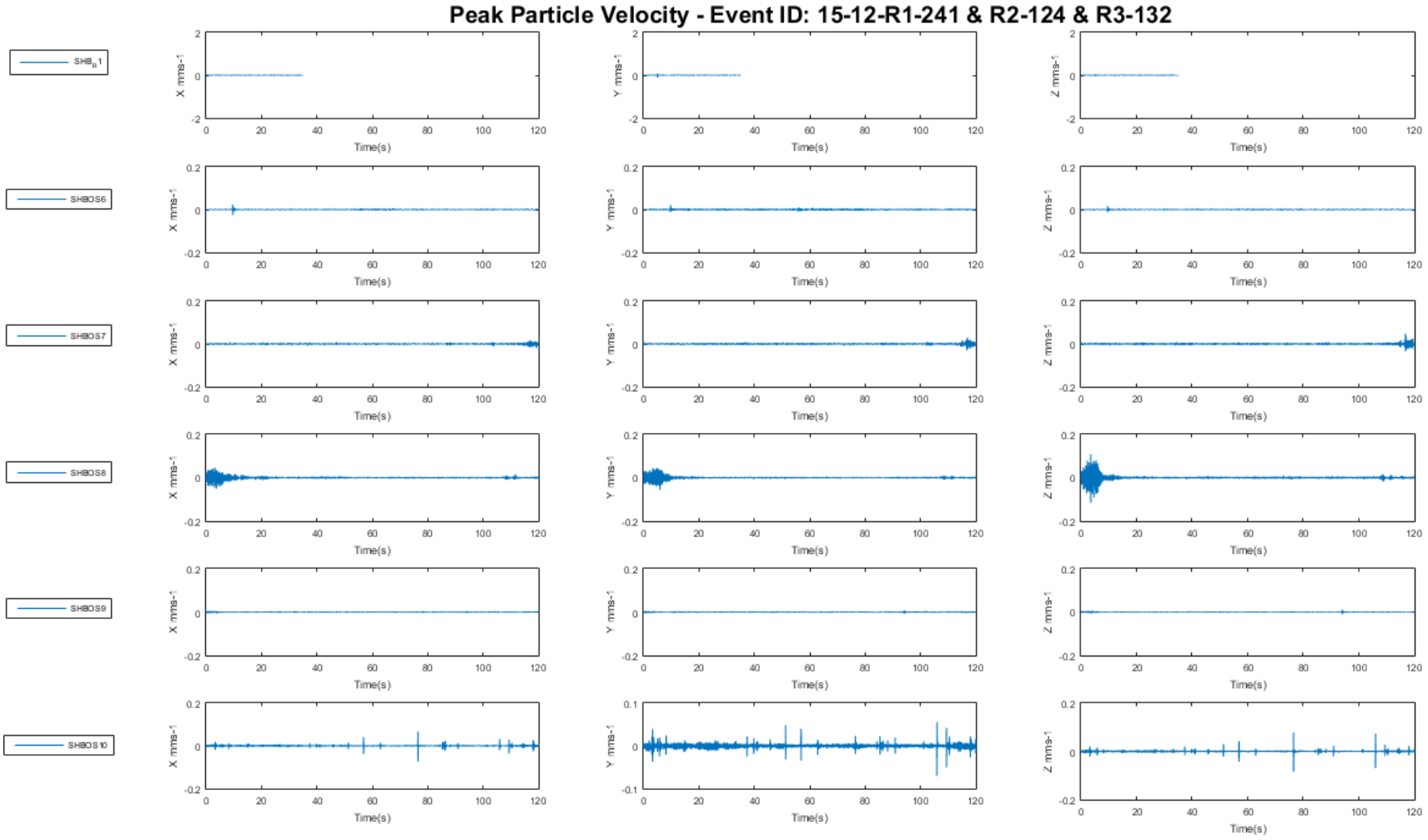


FIGURE 3.1751: SHB_OS 6 - 10 15-12-R1-241 & R2-124 & R3-132

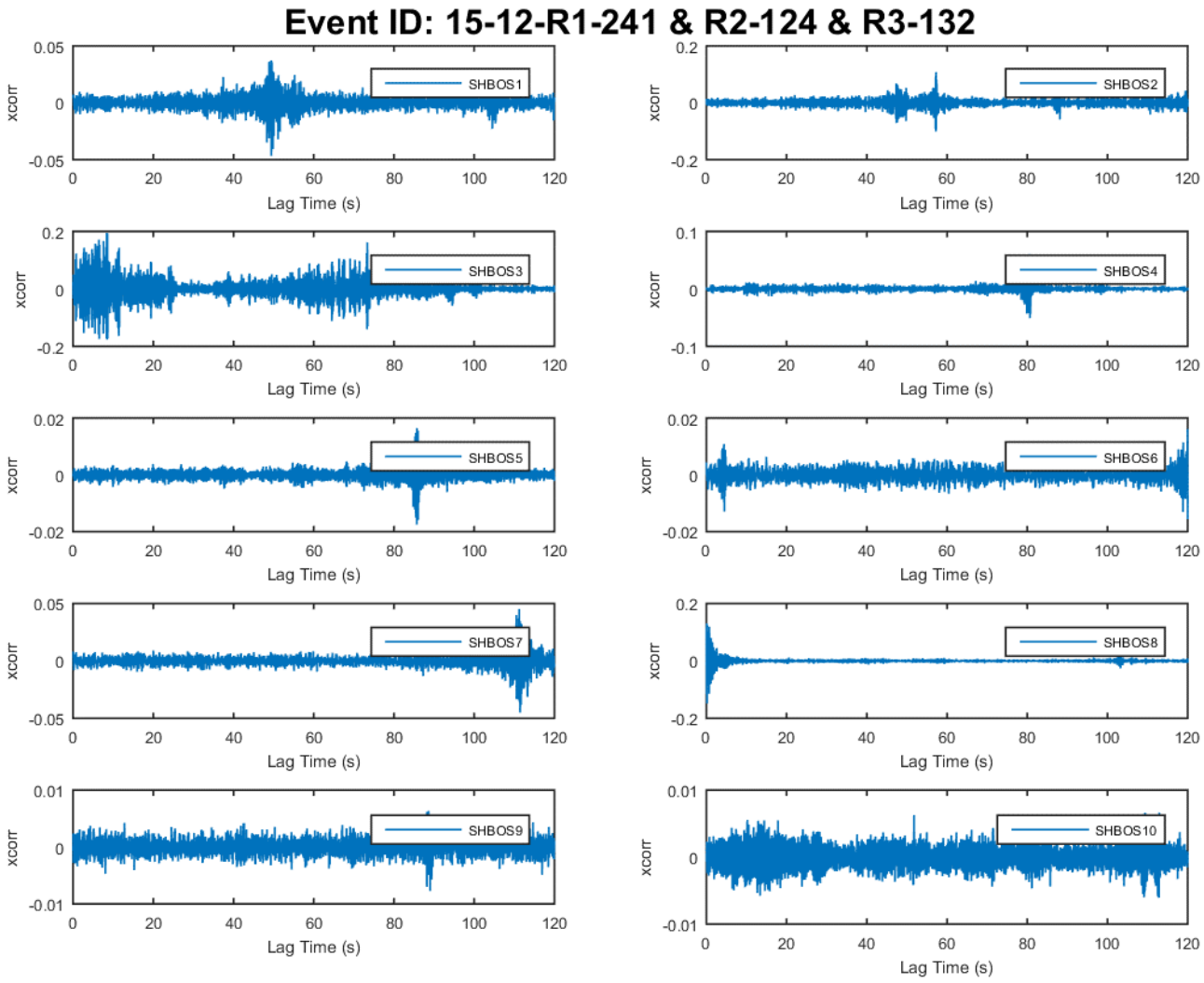


FIGURE 3.1752: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-241 & R2-124 & R3-132

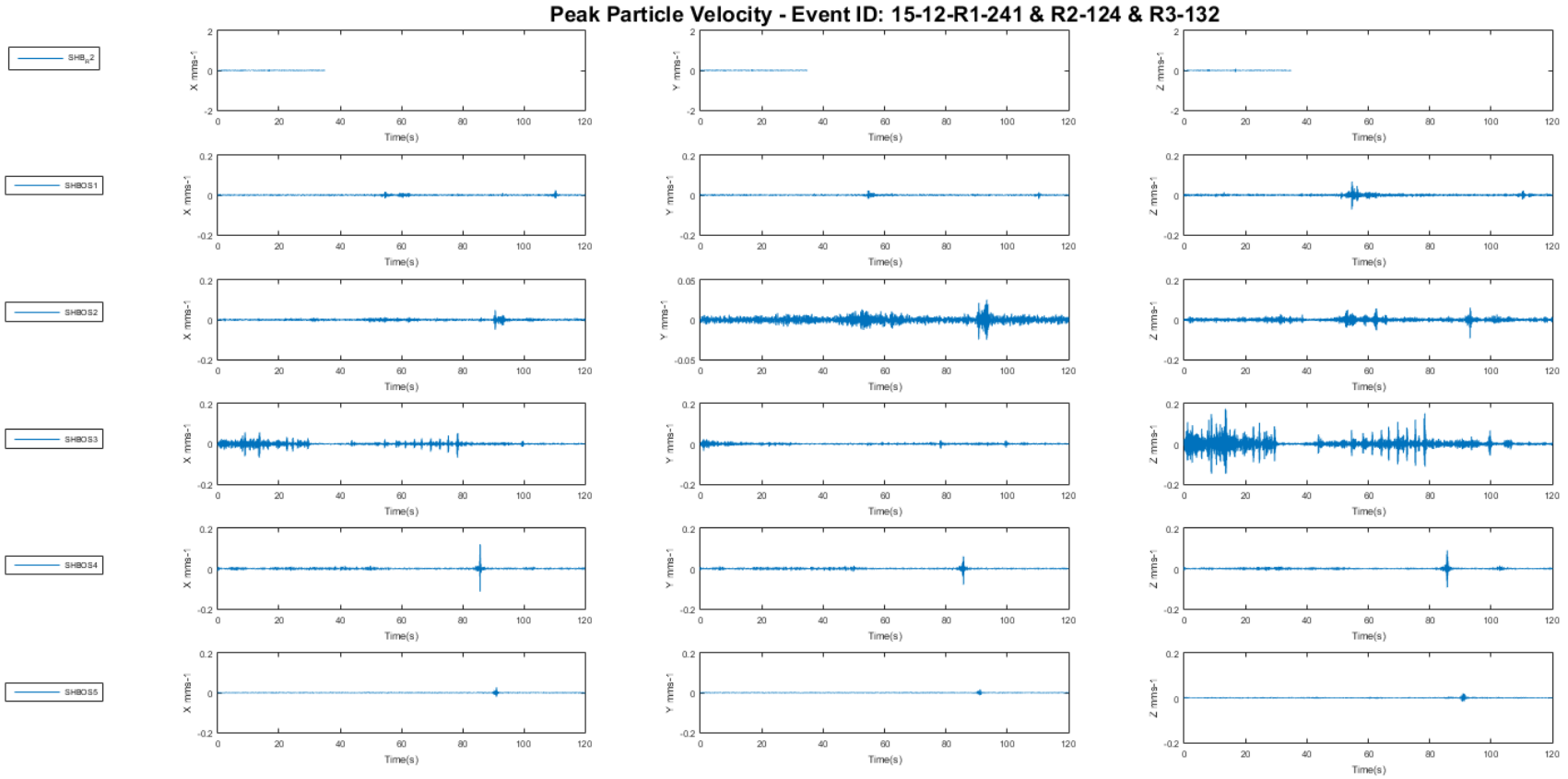


FIGURE 3.1753: SHB_OS 1 - 5 15-12-R1-241 & R2-124 & R3-132

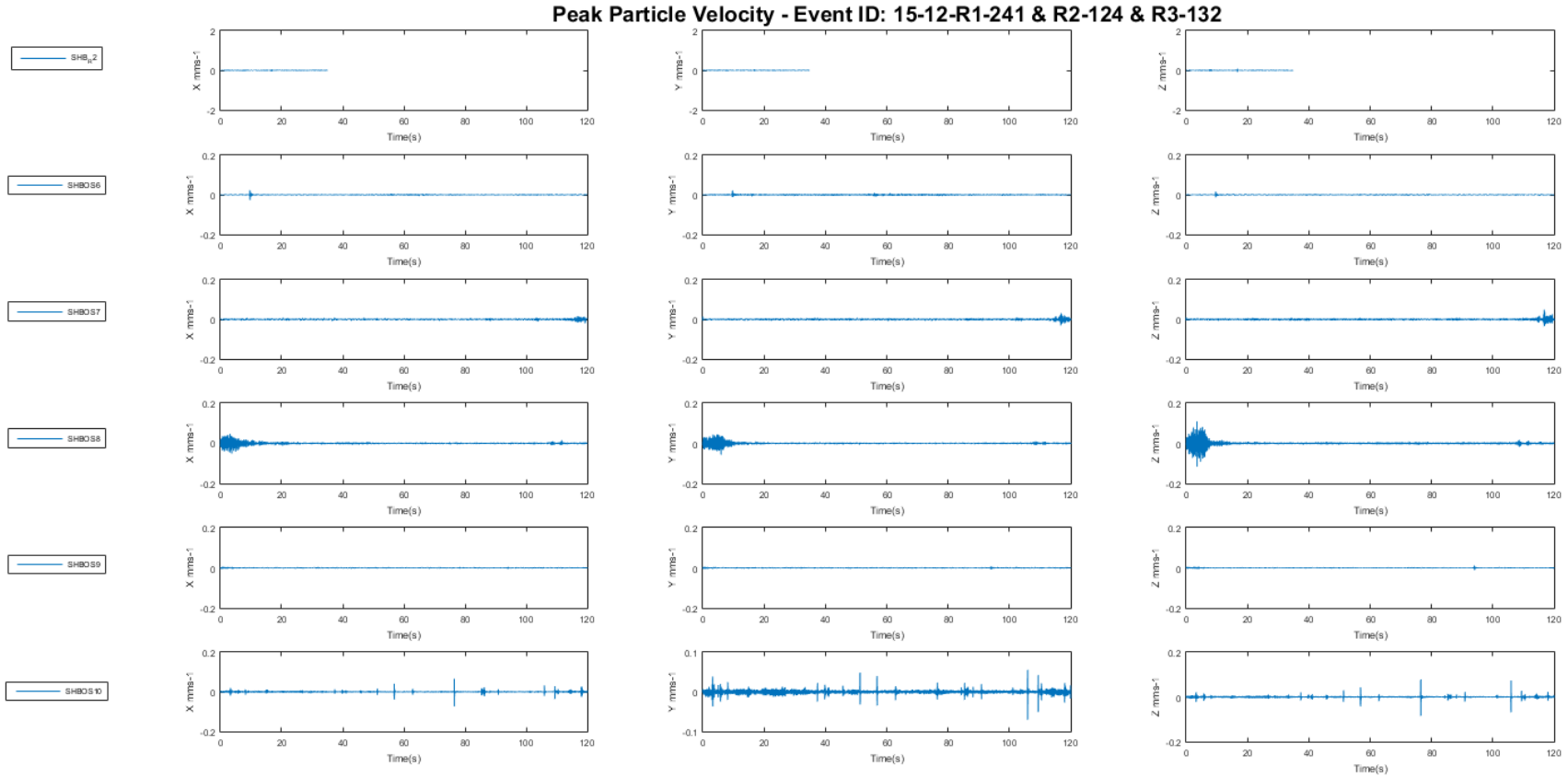


FIGURE 3.1754: SHB_OS 6 - 10 15-12-R1-241 & R2-124 & R3-132

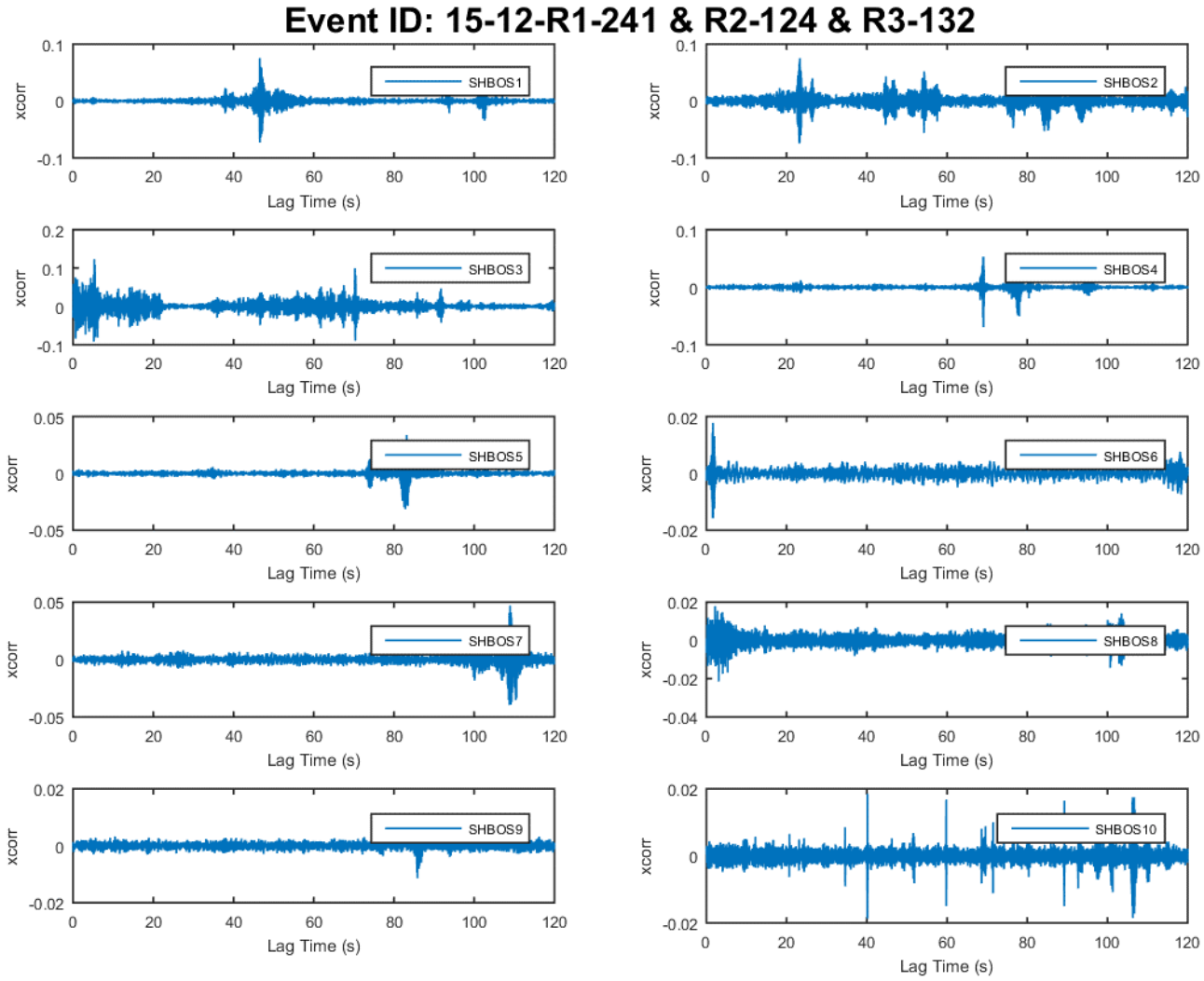


FIGURE 3.1755: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-241 & R2-124 & R3-132

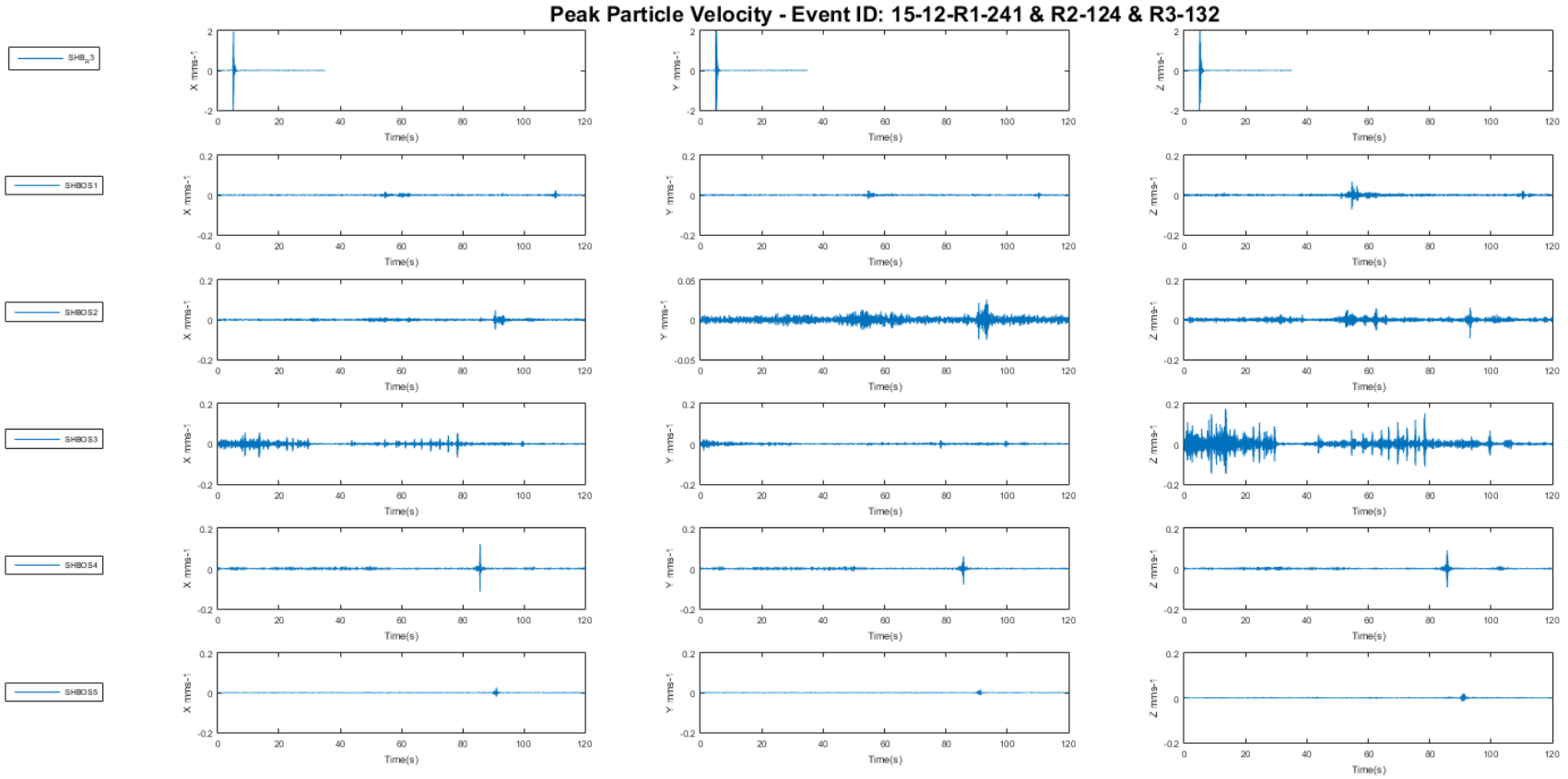


FIGURE 3.1756: SHB_OS 1 - 5 15-12-R1-241 & R2-124 & R3-132

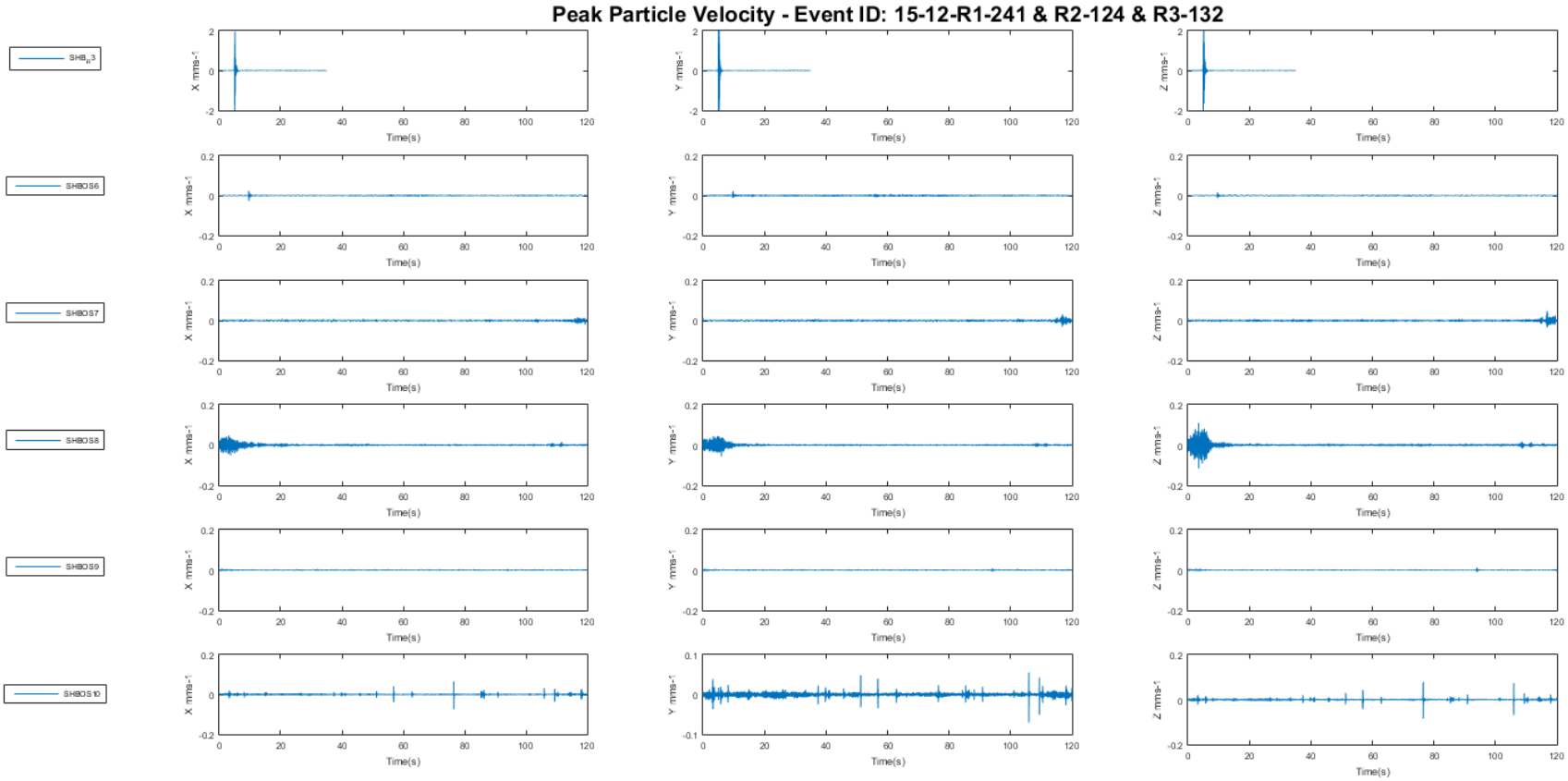


FIGURE 3.1757: SHB_OS 6 - 10 15-12-R1-241 & R2-124 & R3-132

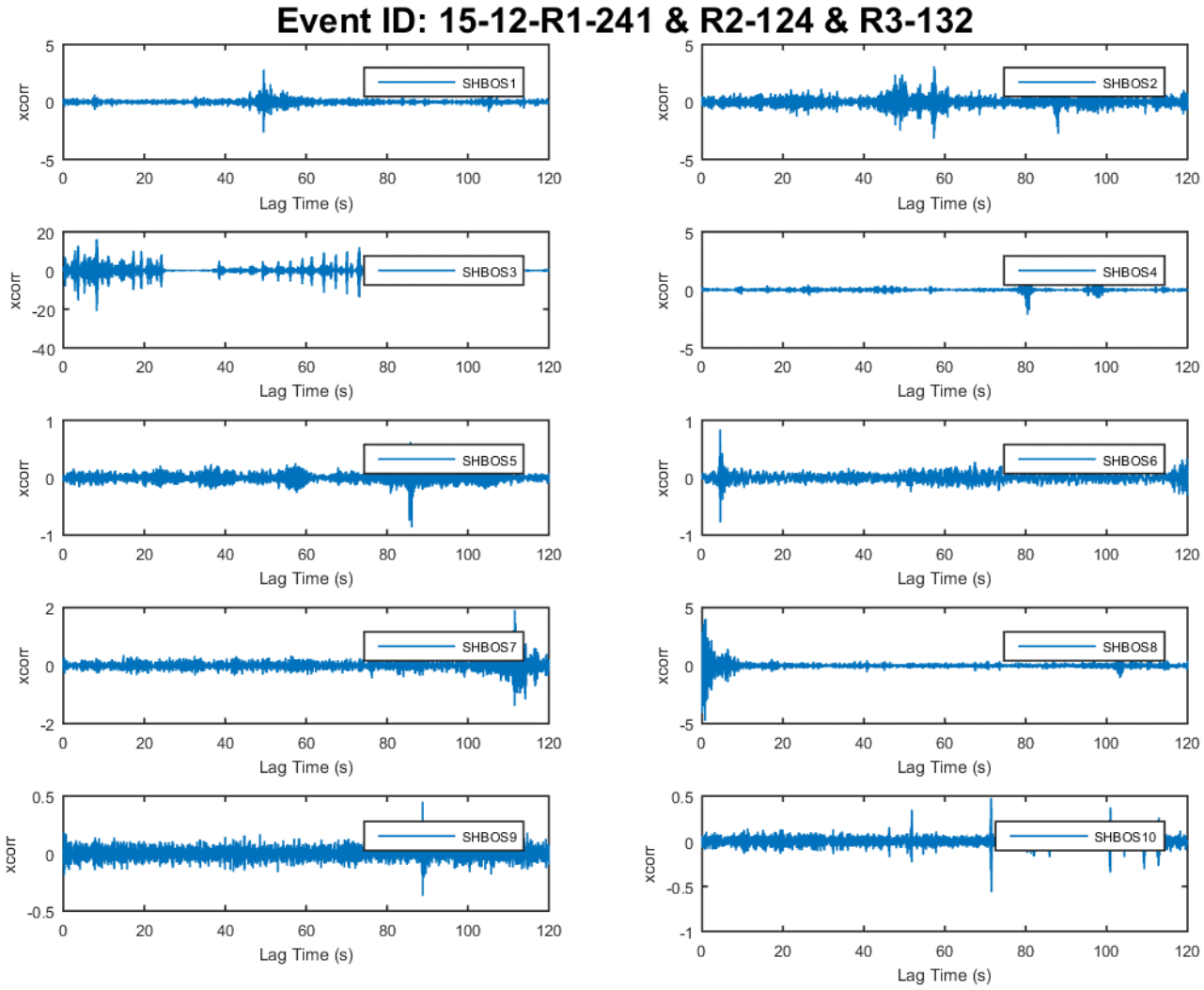


FIGURE 3.1758: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-241 & R2-124 & R3-132

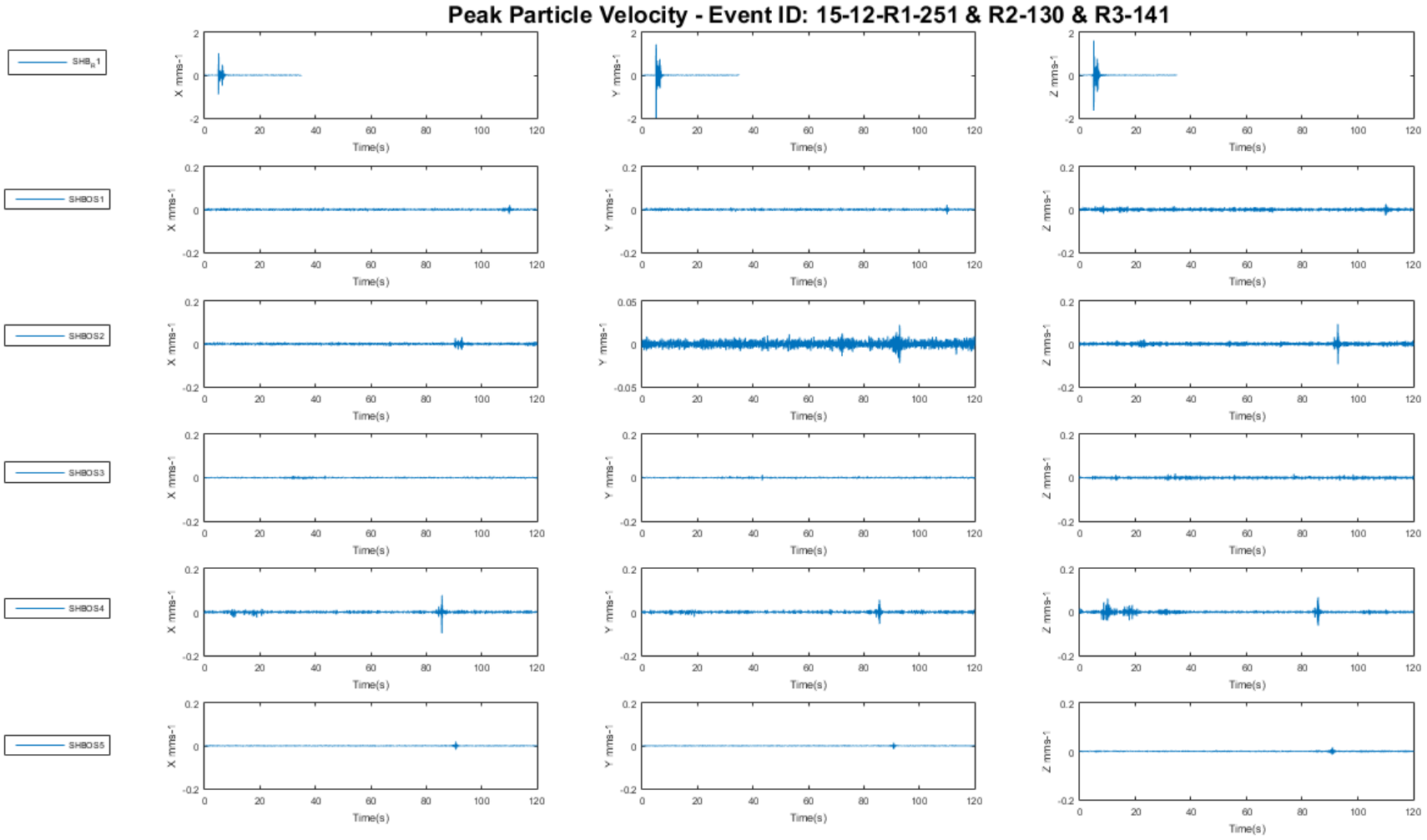


FIGURE 3.1759: SHB_OS 1 - 5 15-12-R1-251 & R2-130 & R3-141

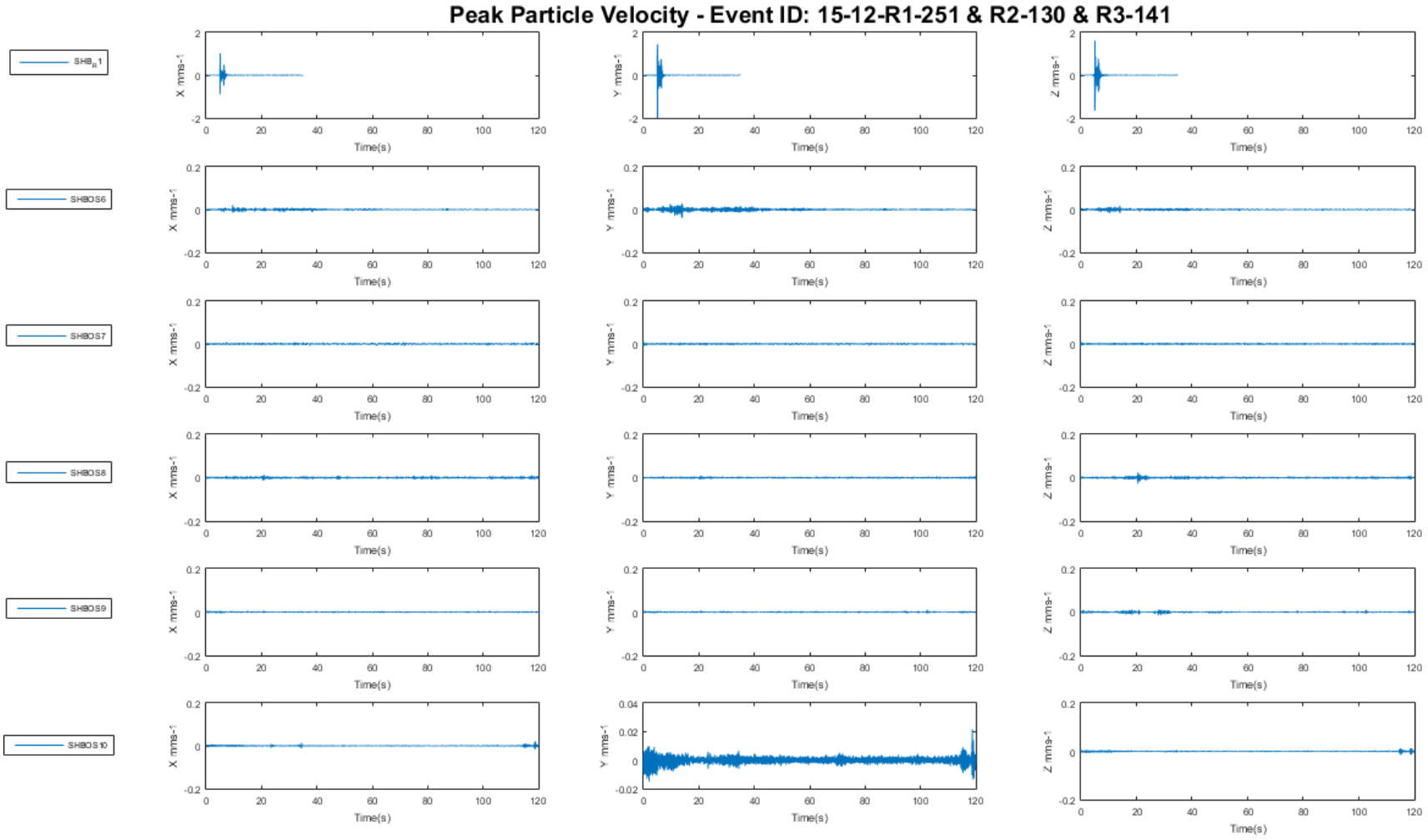


FIGURE 3.1760: SHB_OS 6 - 10 15-12-R1-251 & R2-130 & R3-141

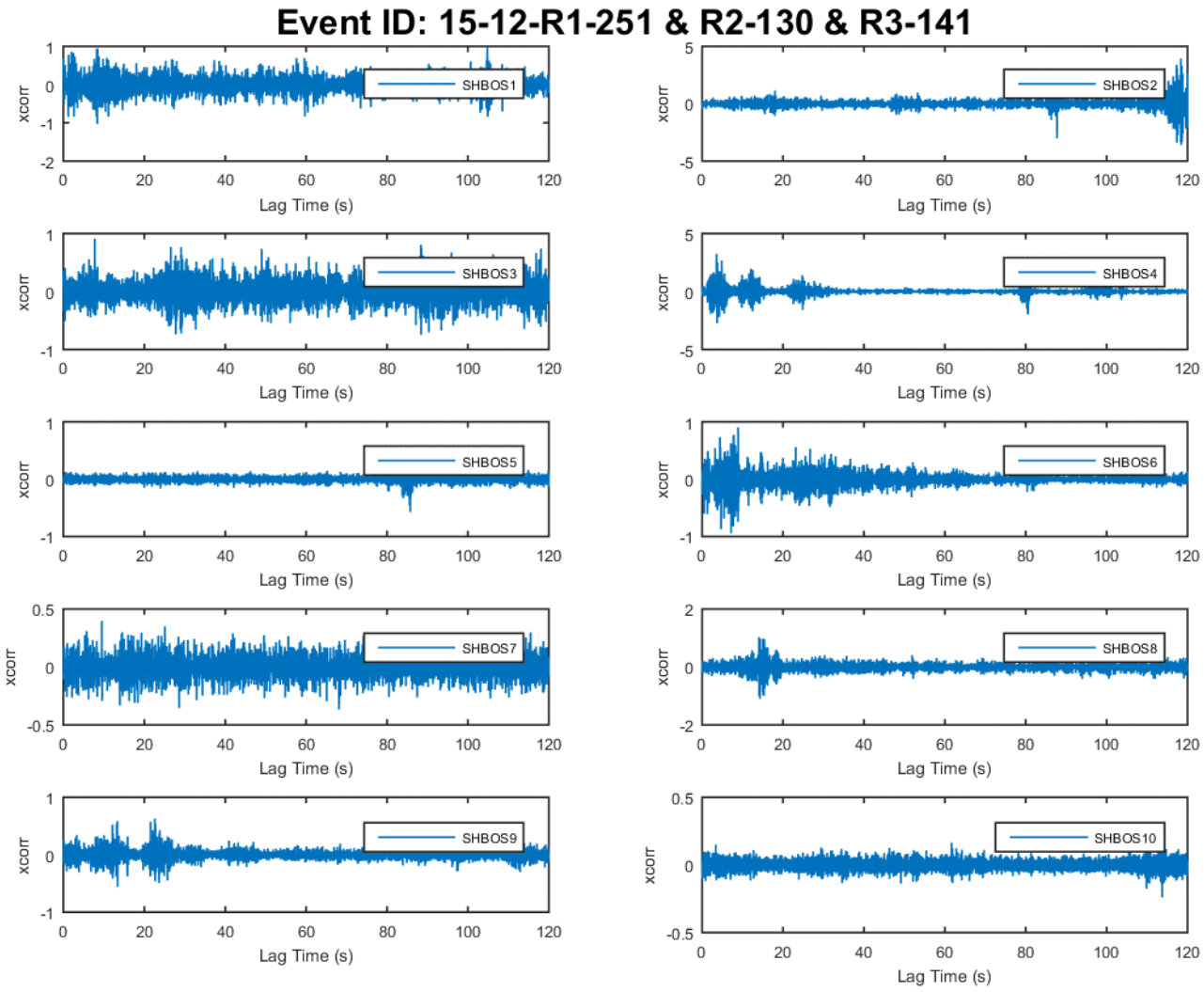


FIGURE 3.1761: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-251 & R2-130 & R3-141

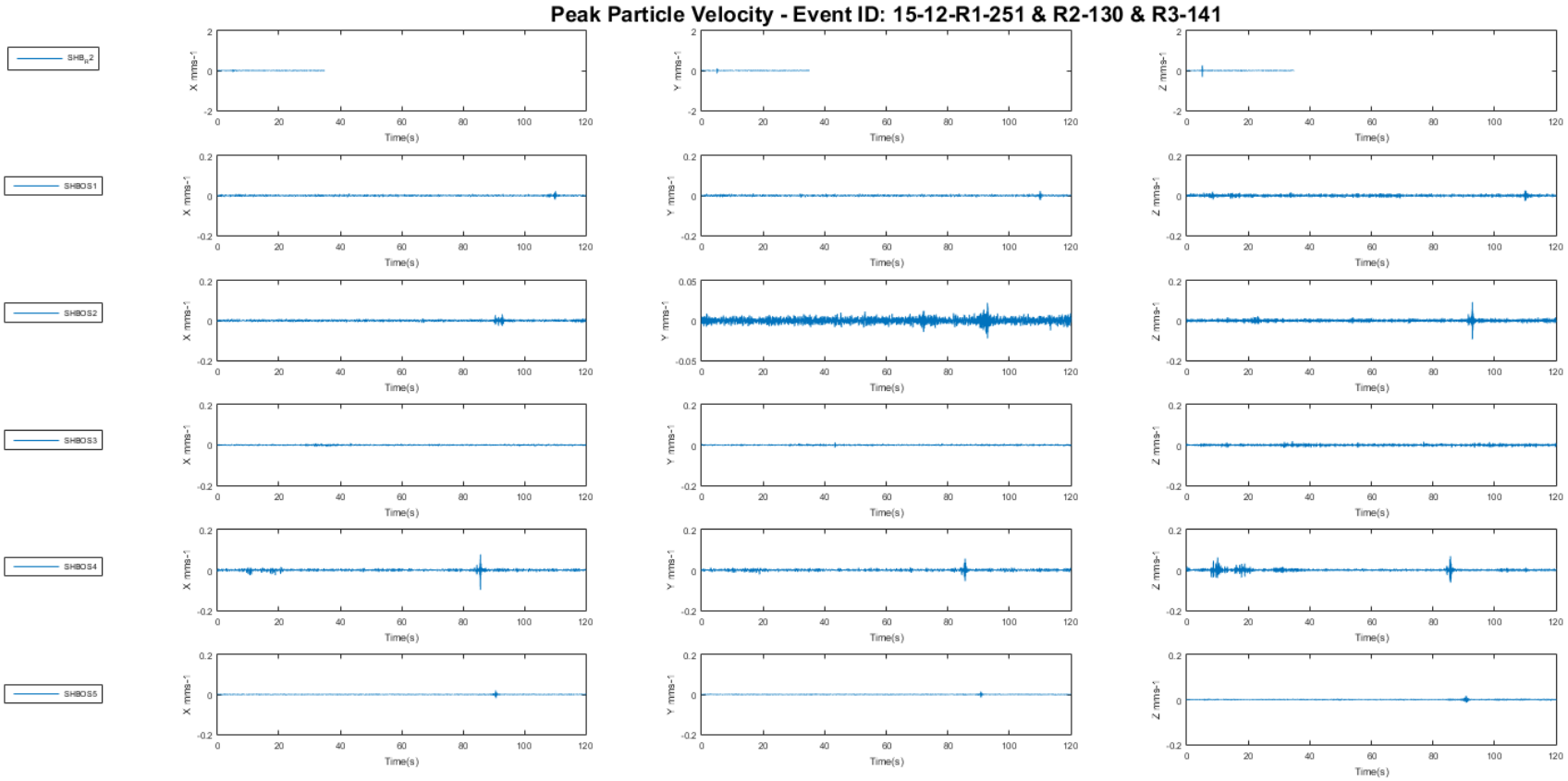


FIGURE 3.1762: SHB_OS 1 - 5 15-12-R1-251 & R2-130 & R3-141

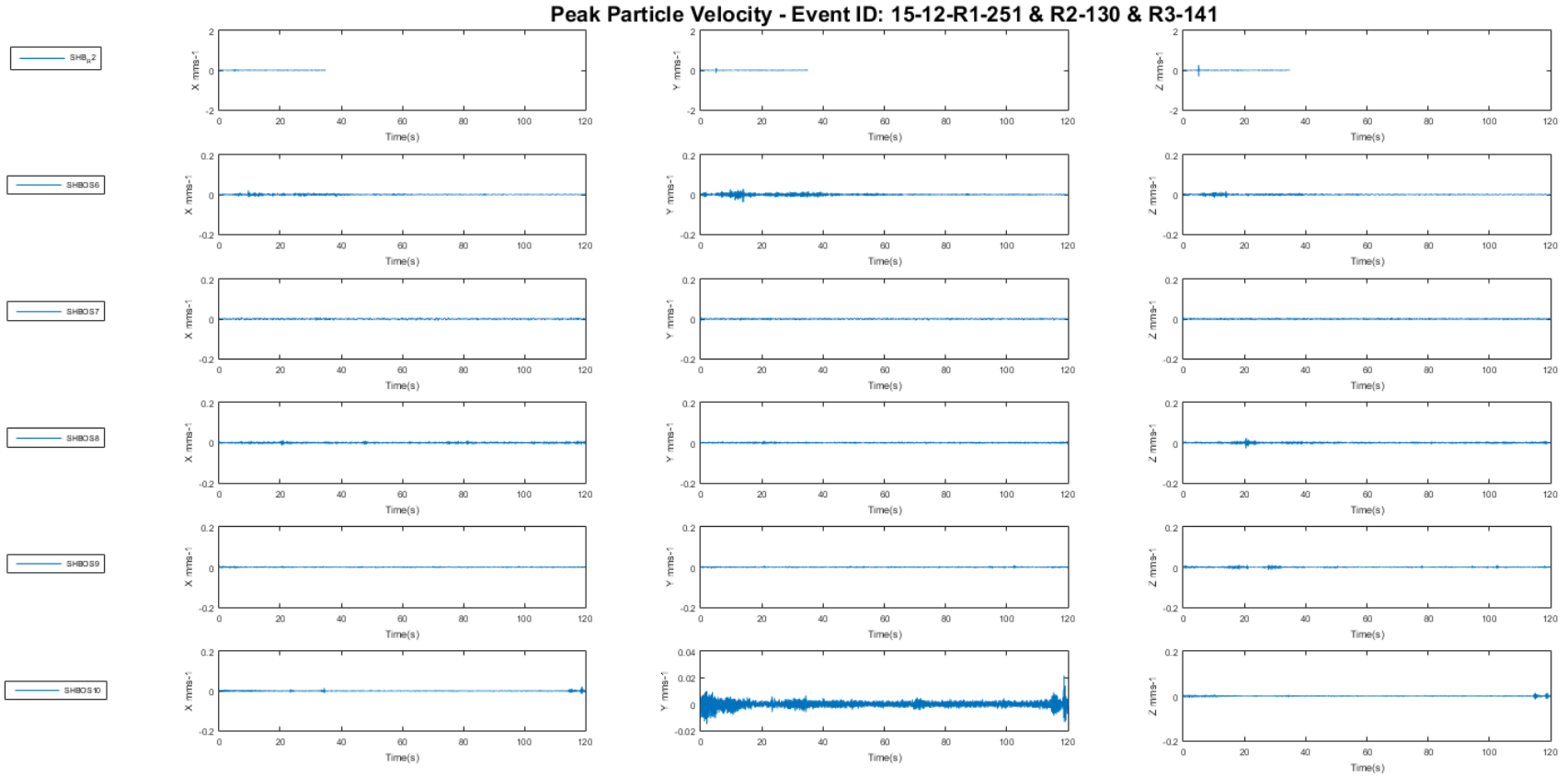


FIGURE 3.1763: SHB_OS 6 - 10 15-12-R1-251 & R2-130 & R3-141

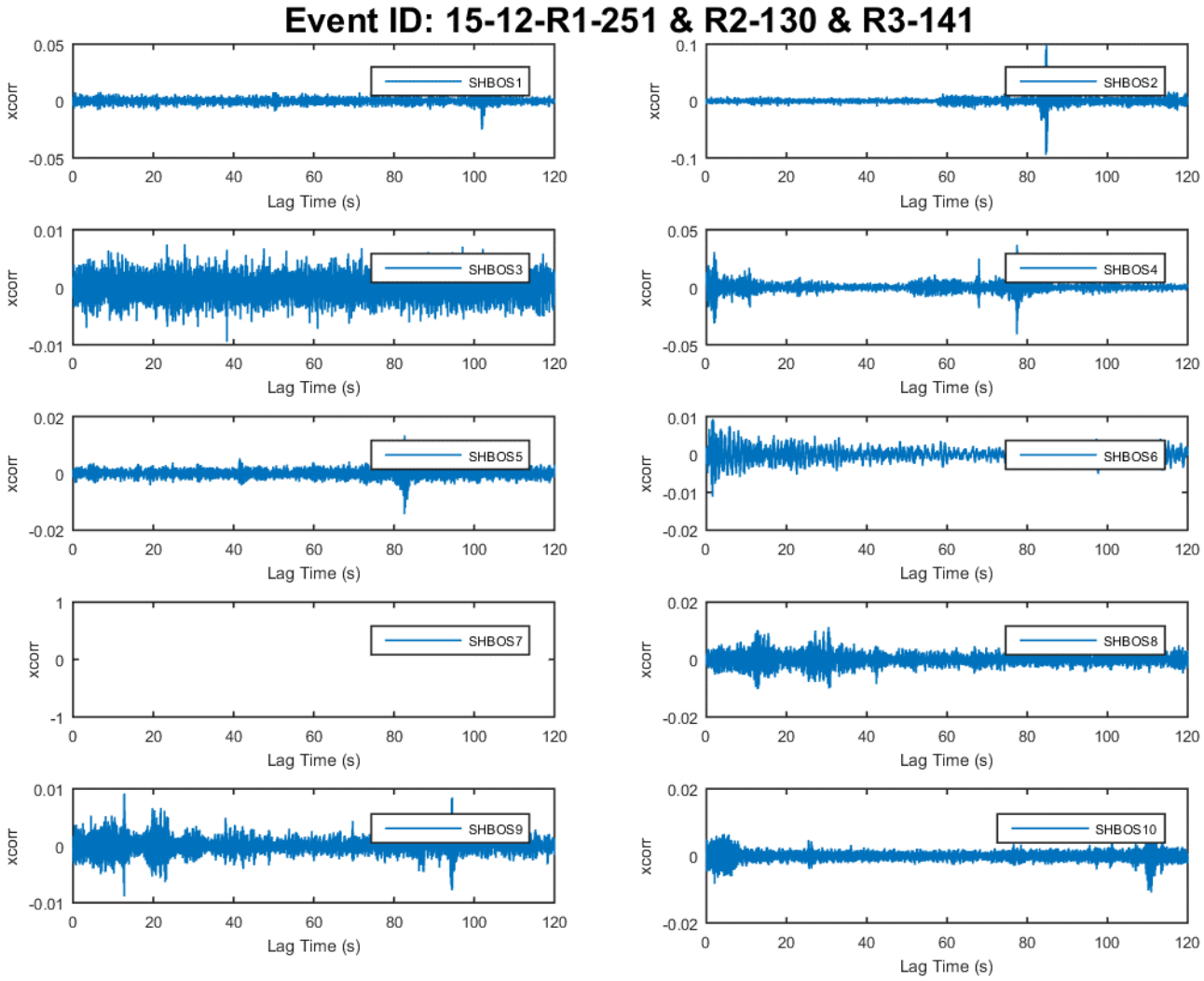


FIGURE 3.1764: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-251 & R2-130 & R3-141

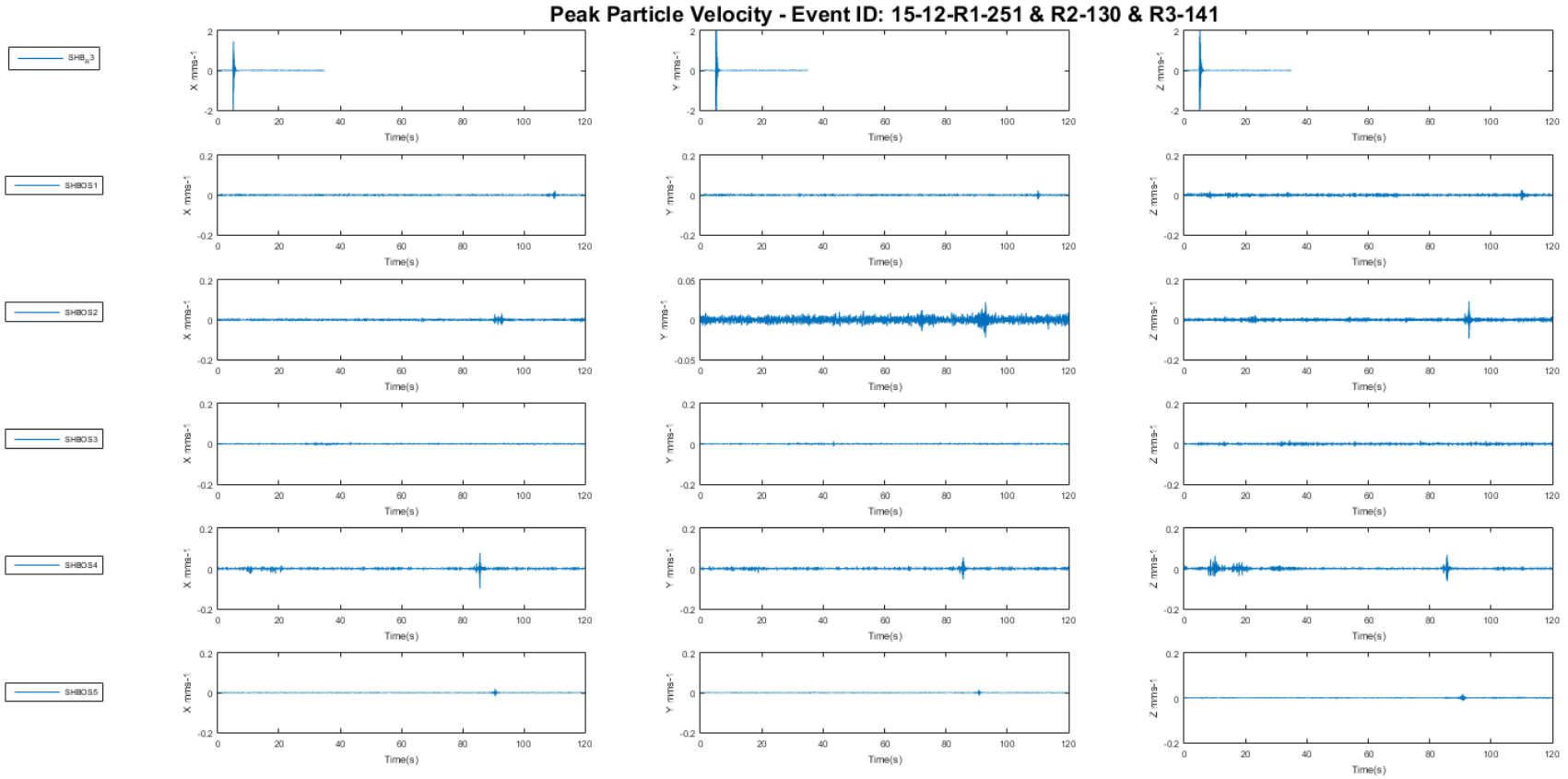


FIGURE 3.1765: SHB_OS 1 - 5 15-12-R1-251 & R2-130 & R3-141

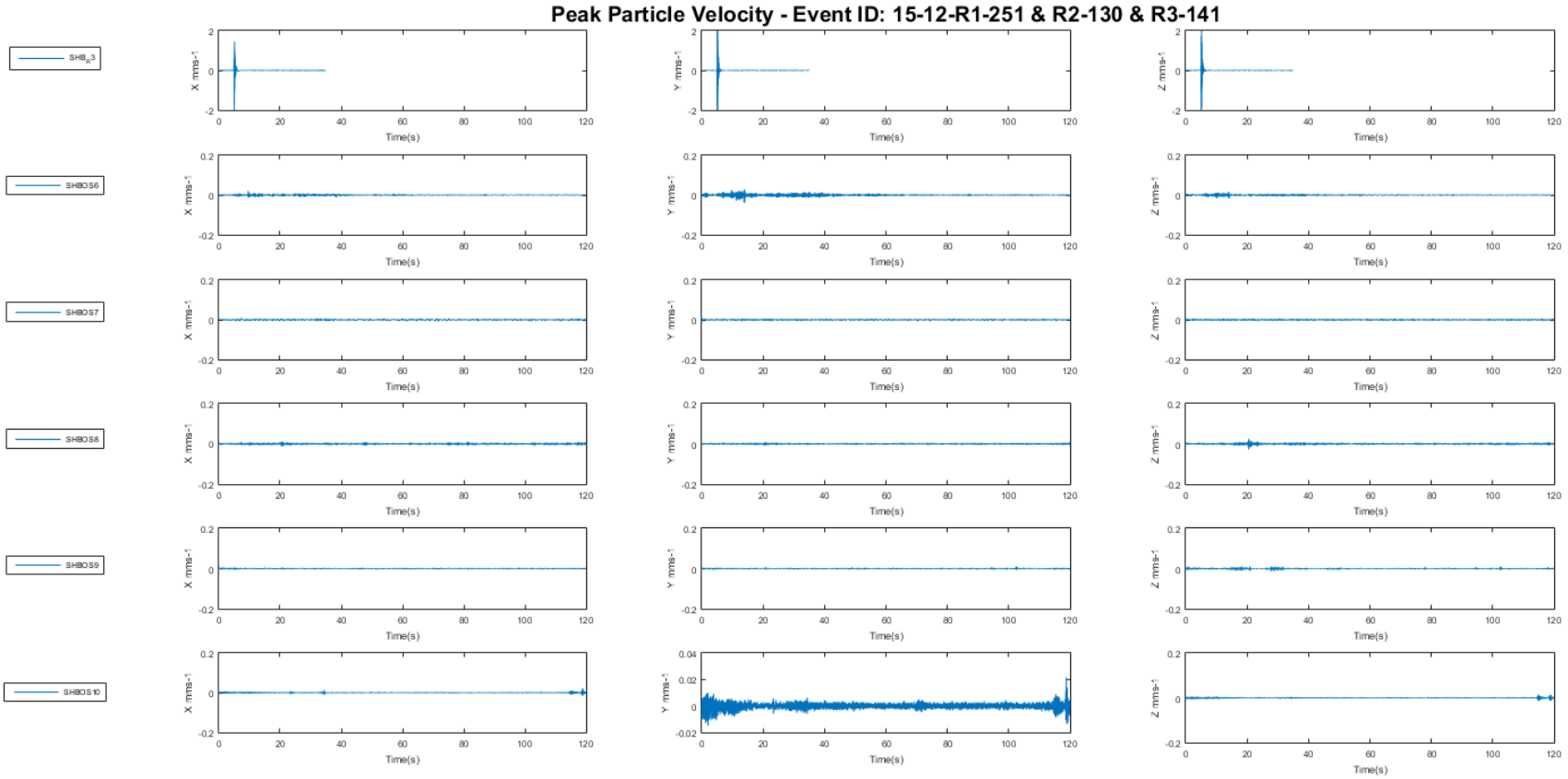


FIGURE 3.1766: SHB_OS 6 - 10 15-12-R1-251 & R2-130 & R3-141

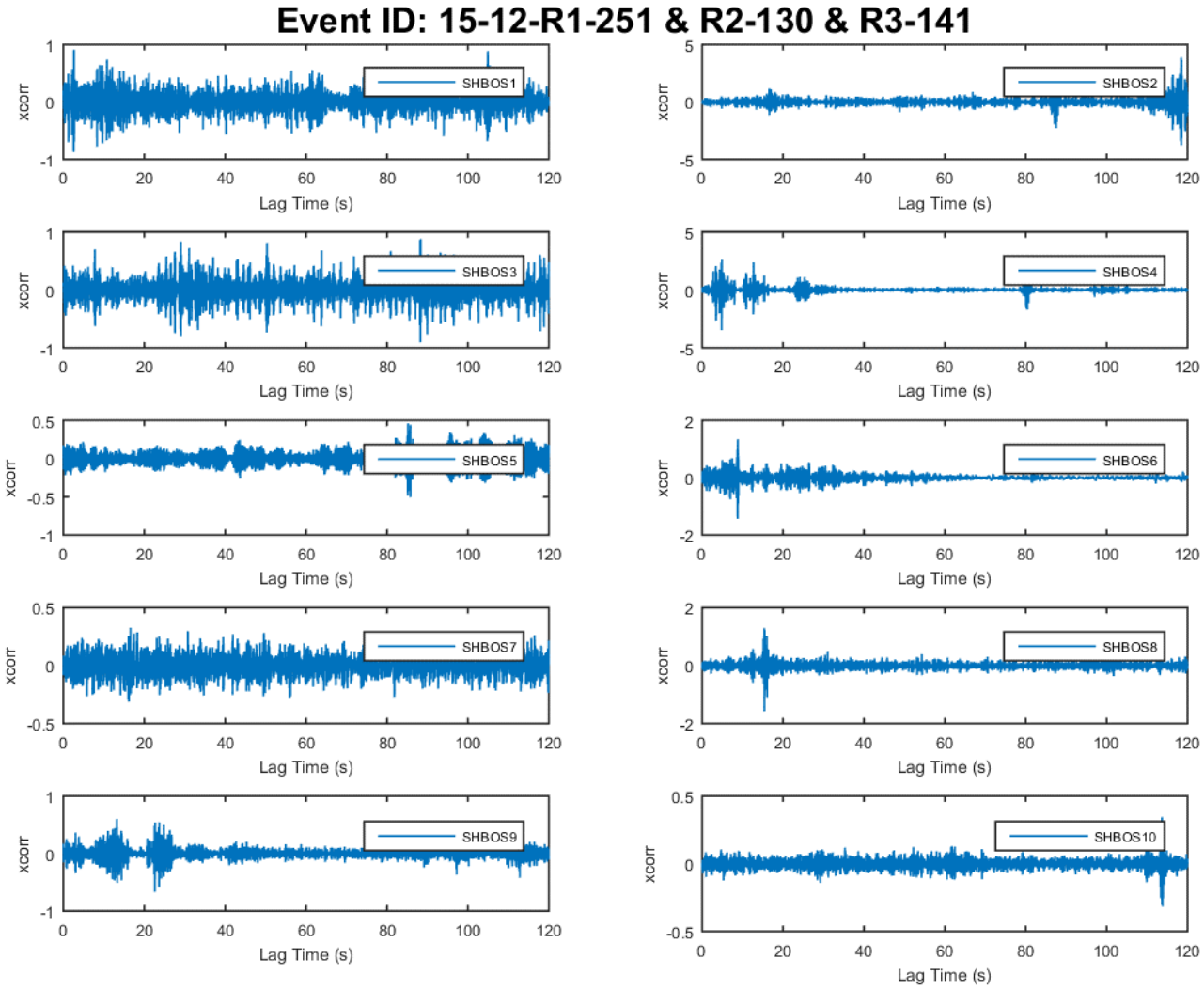


FIGURE 3.1767: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-251 & R2-130 & R3-141

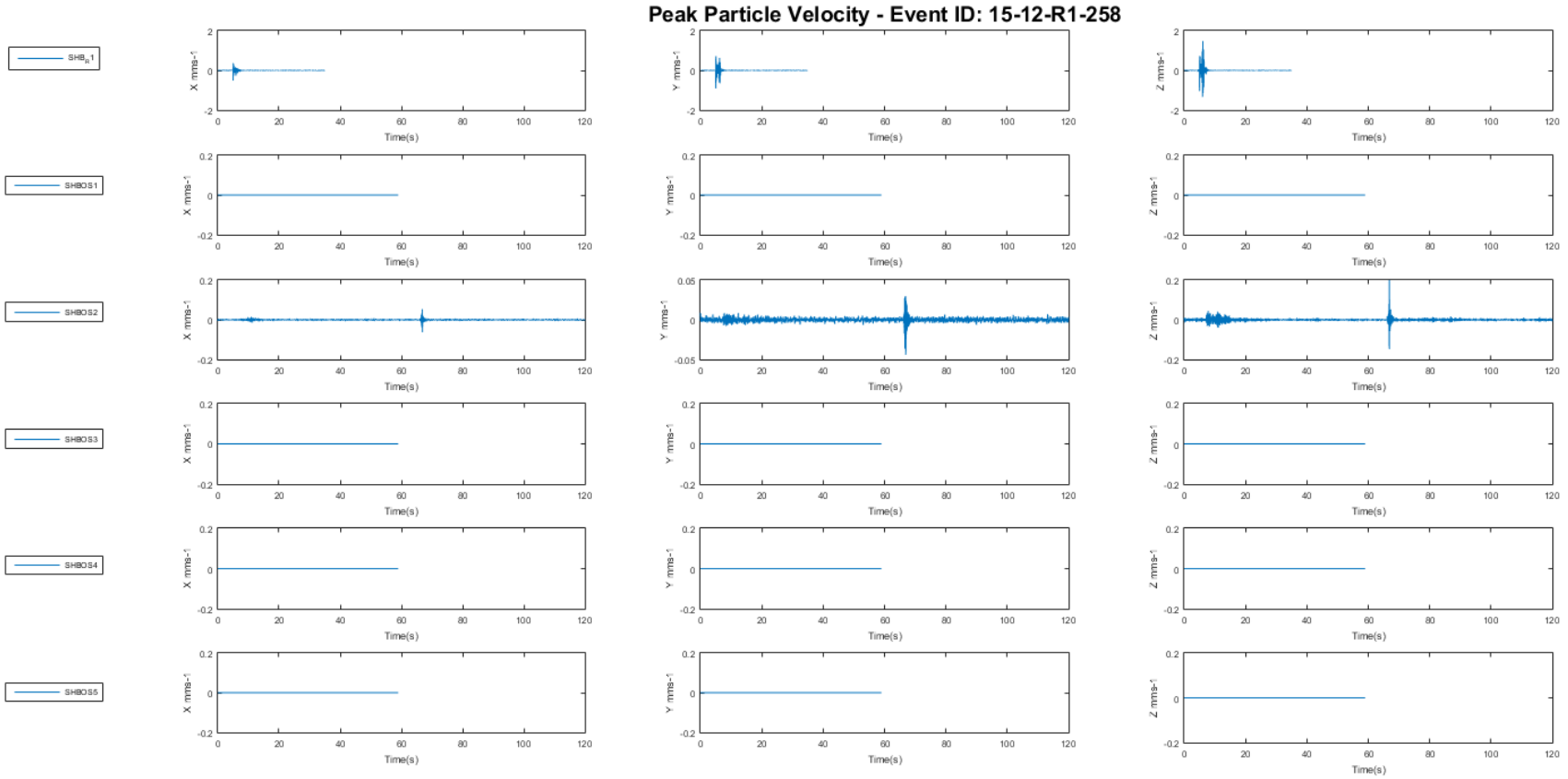


FIGURE 3.1768: SHB_OS 1 - 5 15-12-R1-258

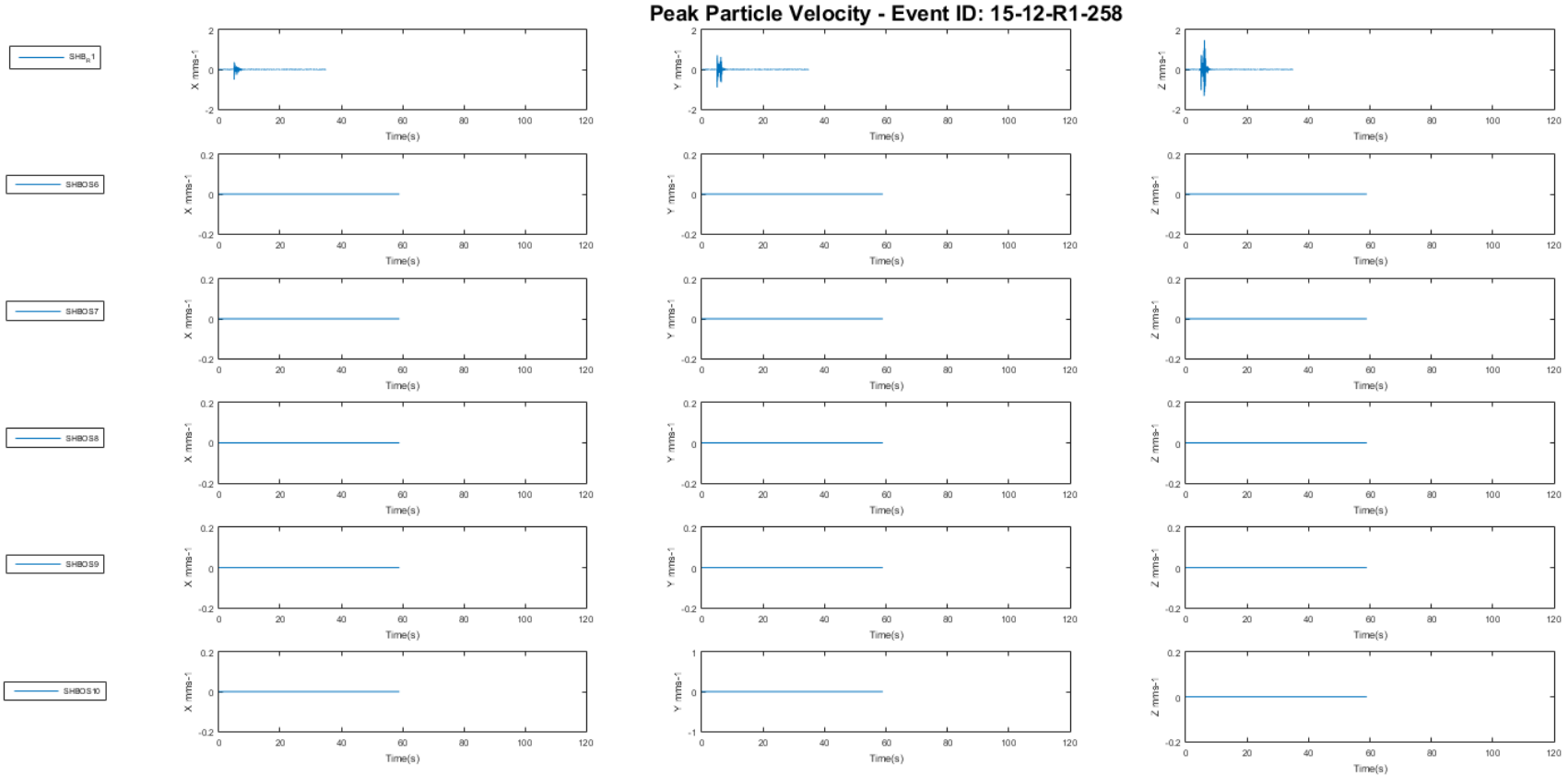


FIGURE 3.1769: SHB_OS 6 - 10 15-12-R1-258

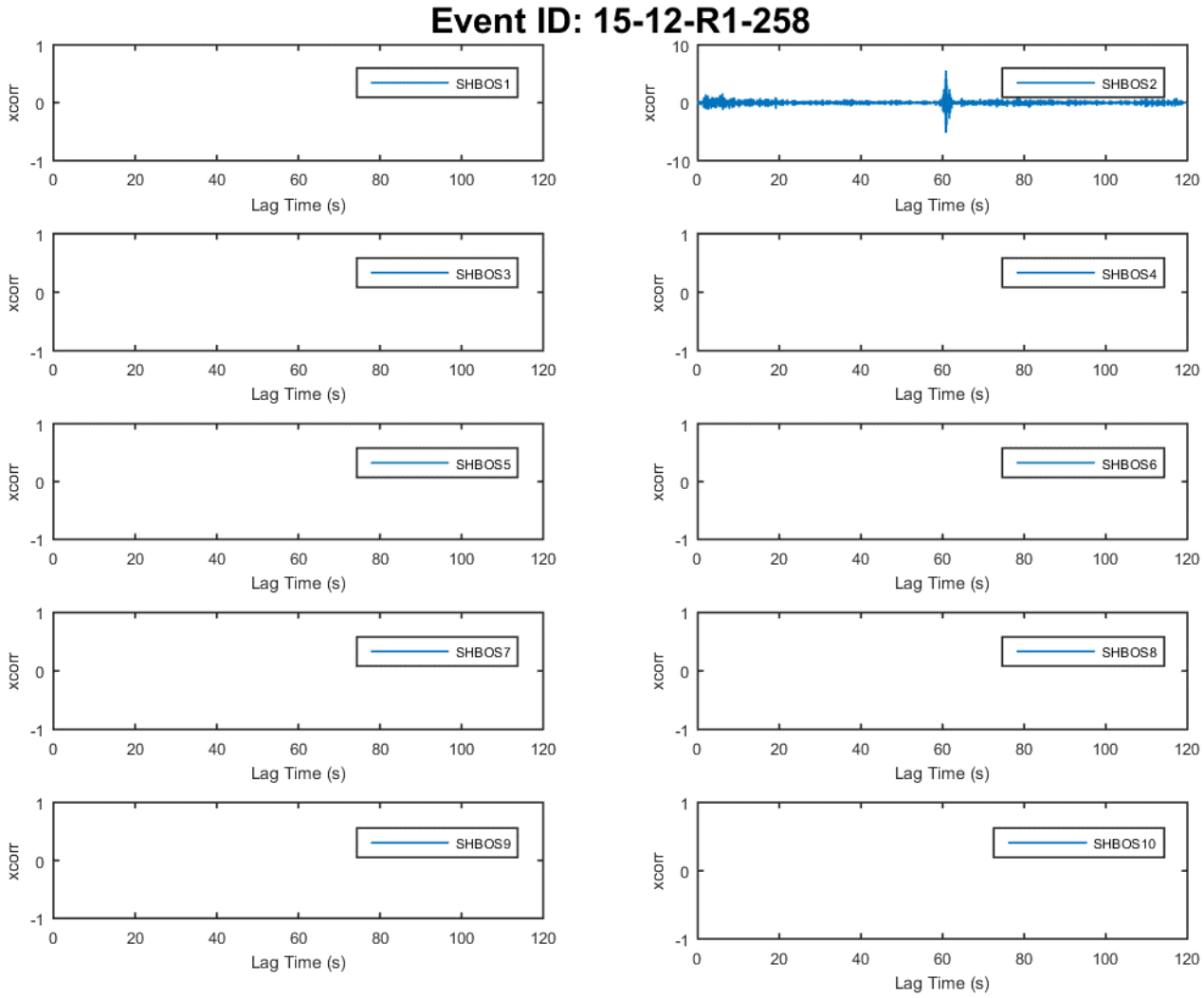


FIGURE 3.1770: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-258

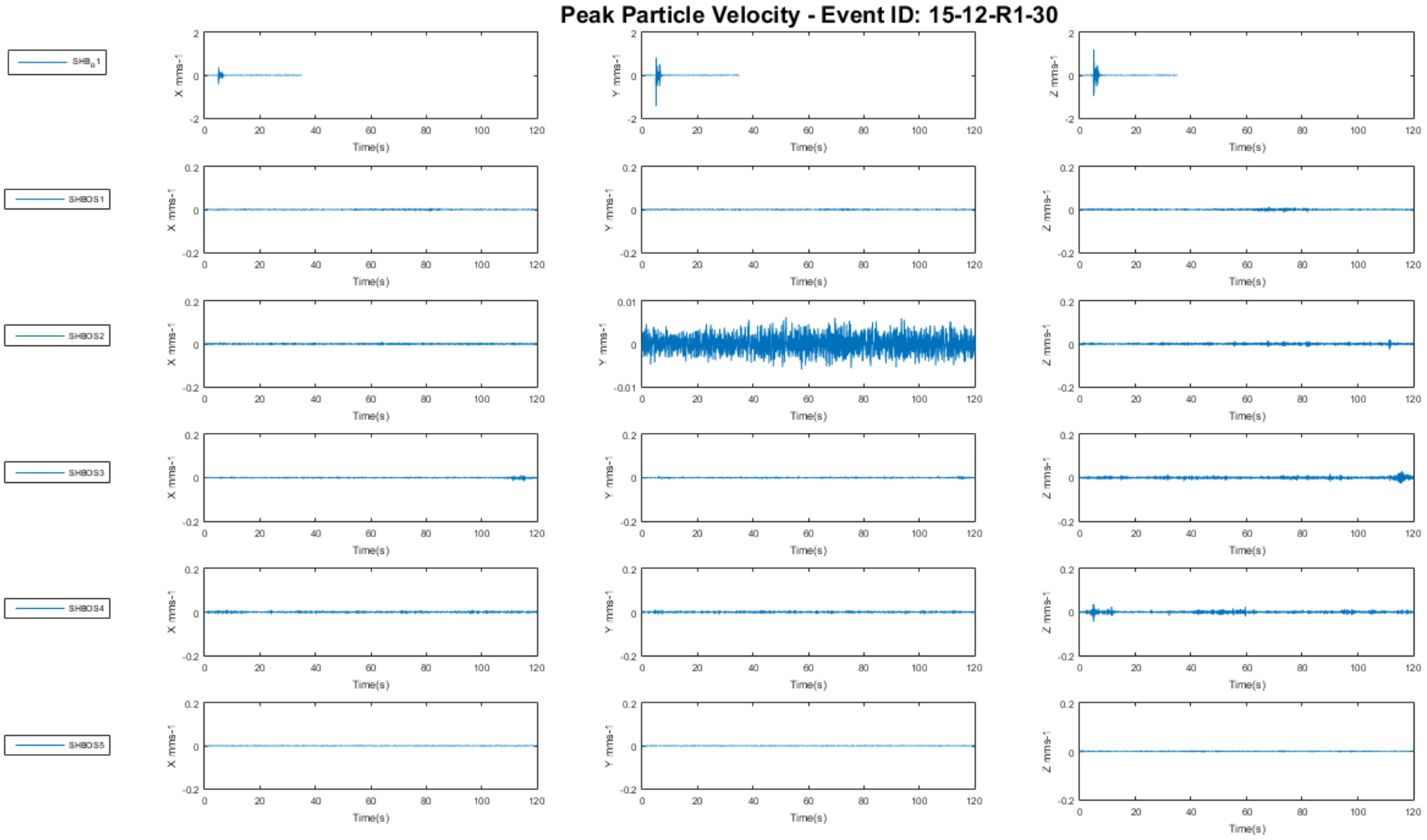


FIGURE 3.1771: SHB_OS 1 - 5 15-12-R1-30

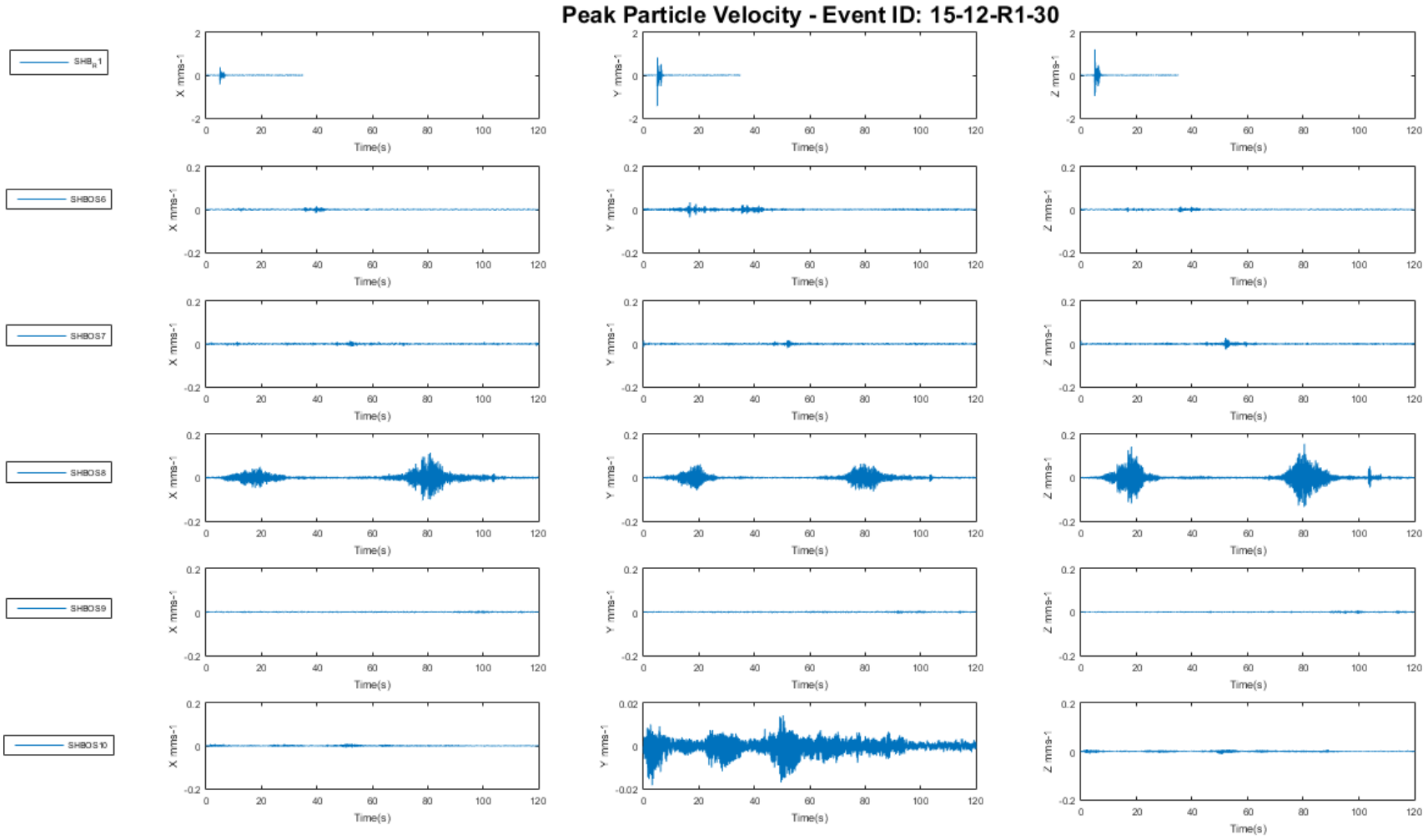


FIGURE 3.1772: SHB_OS 6 - 10 15-12-R1-30

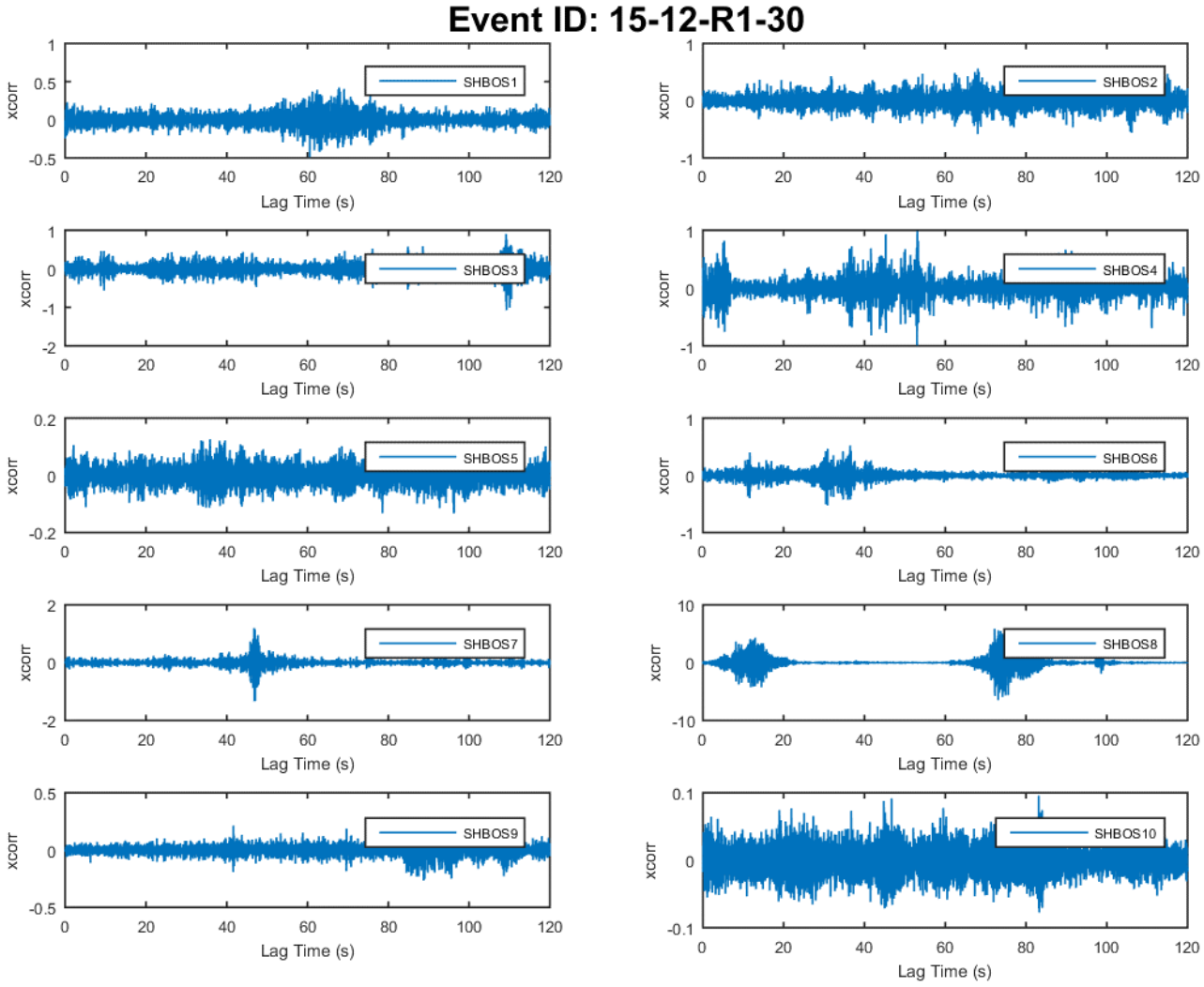


FIGURE 3.1773: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-30

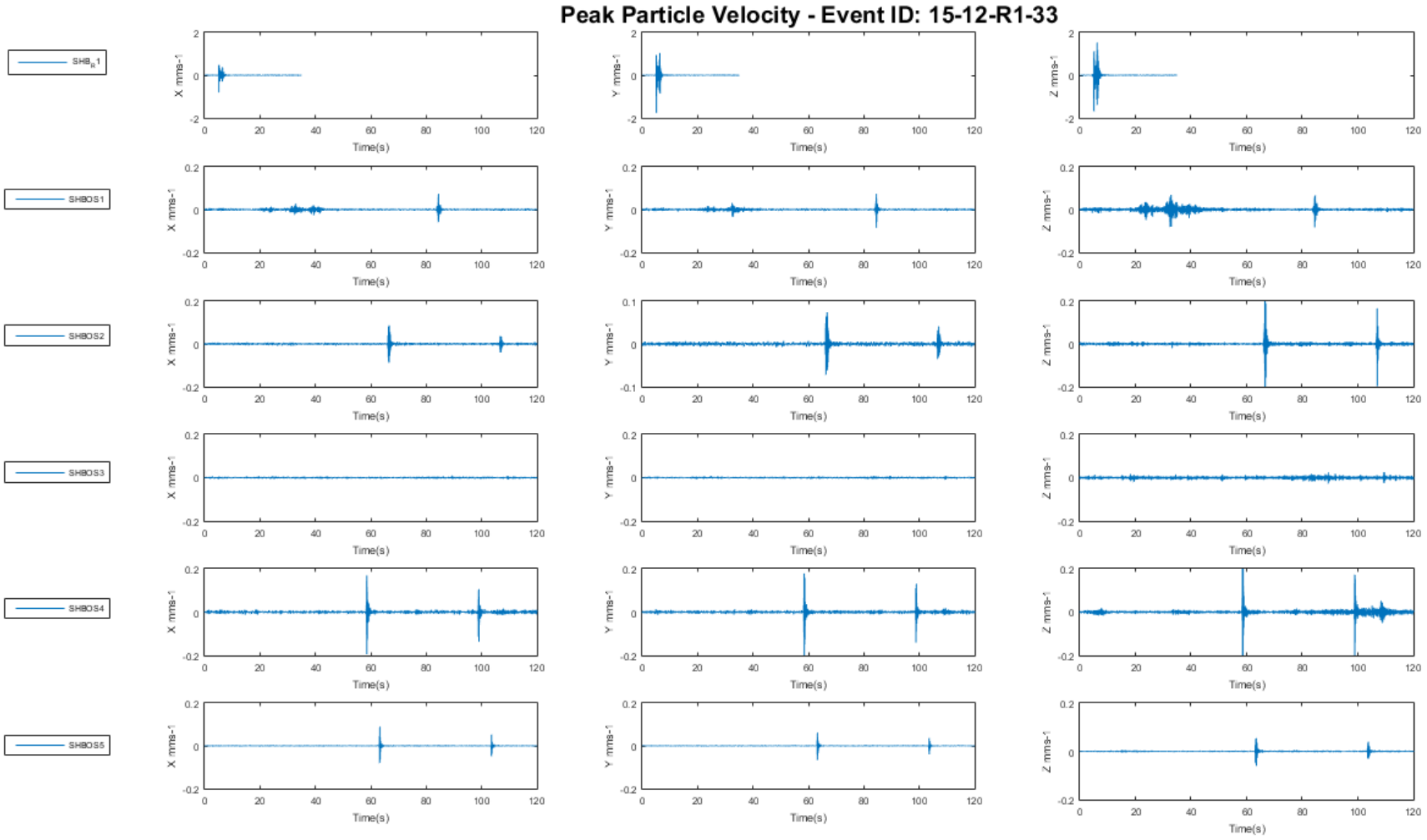


FIGURE 3.1774: SHB_OS 1 - 5 15-12-R1-33

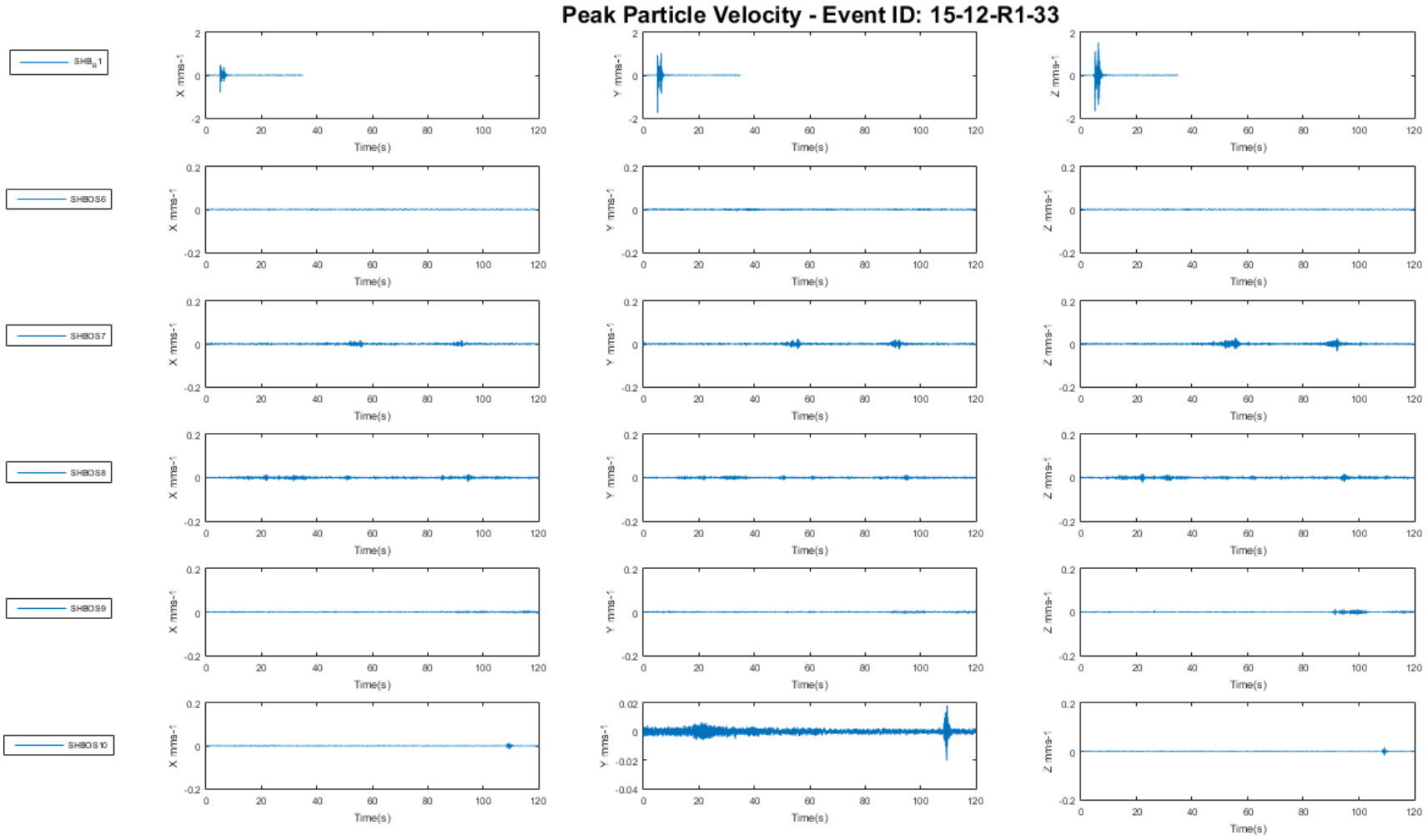


FIGURE 3.1775: SHB_OS 6 - 10 15-12-R1-33

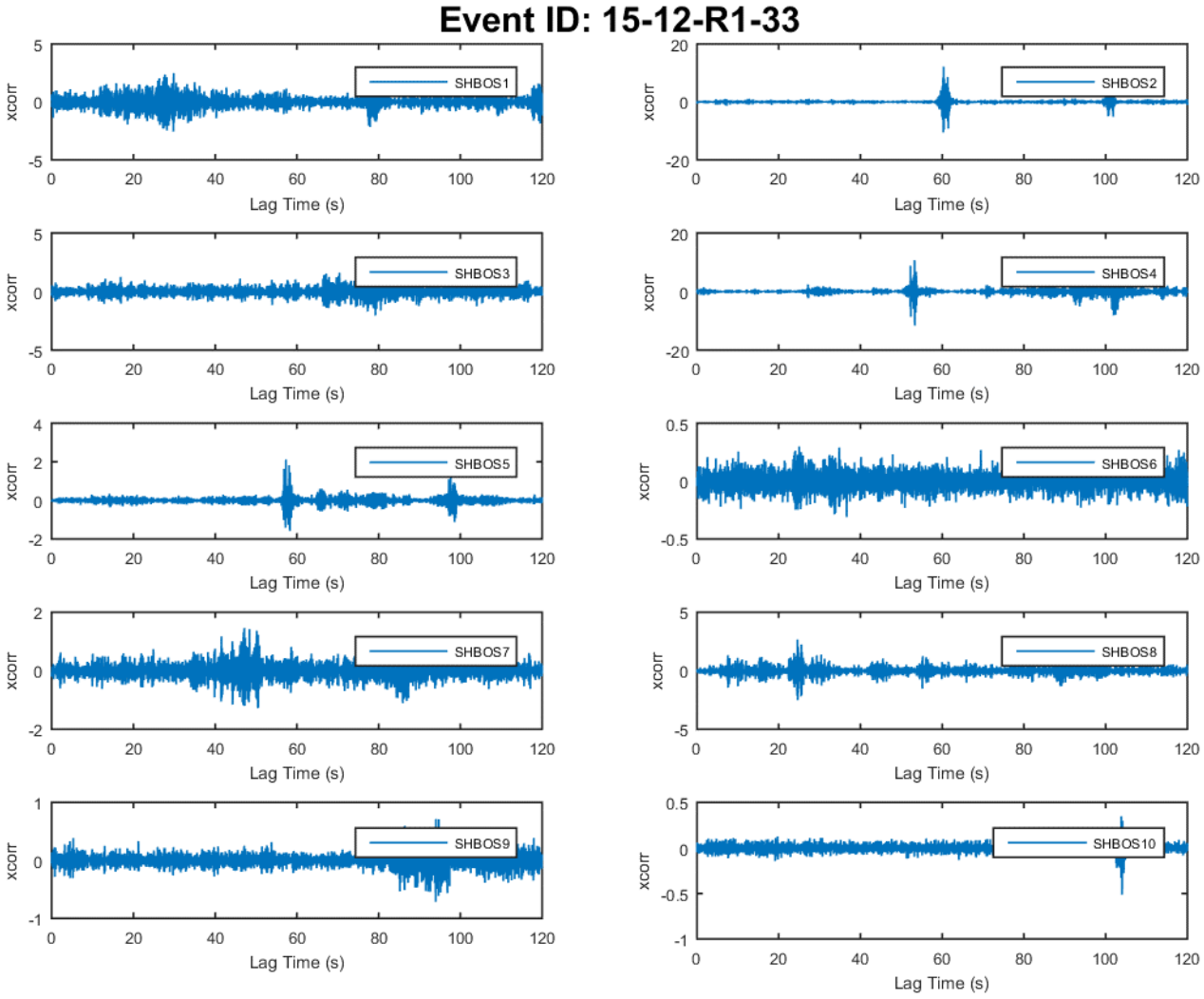


FIGURE 3.1776: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-33

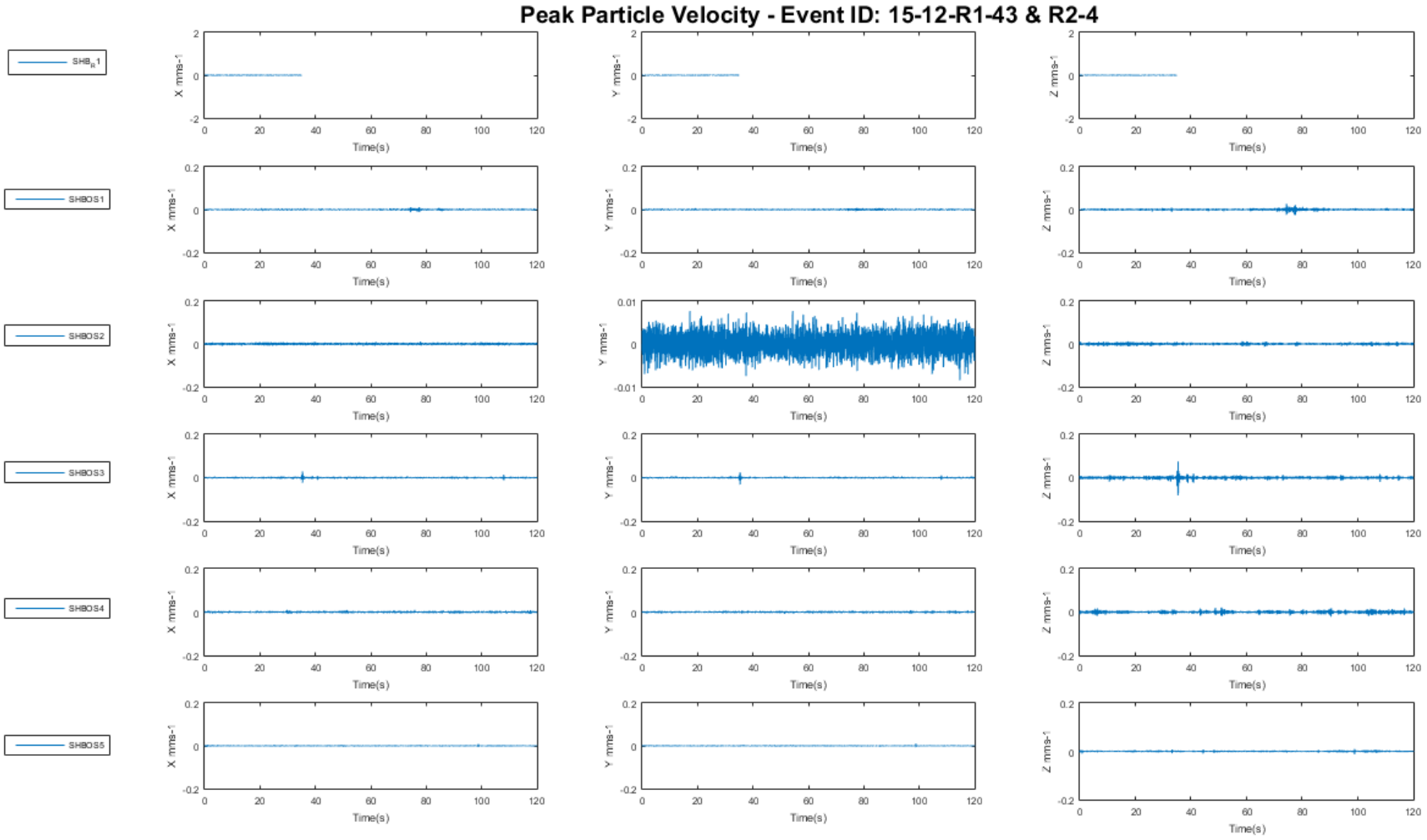


FIGURE 3.1777: SHB_OS 1 - 5 15-12-R1-43 & R2-4

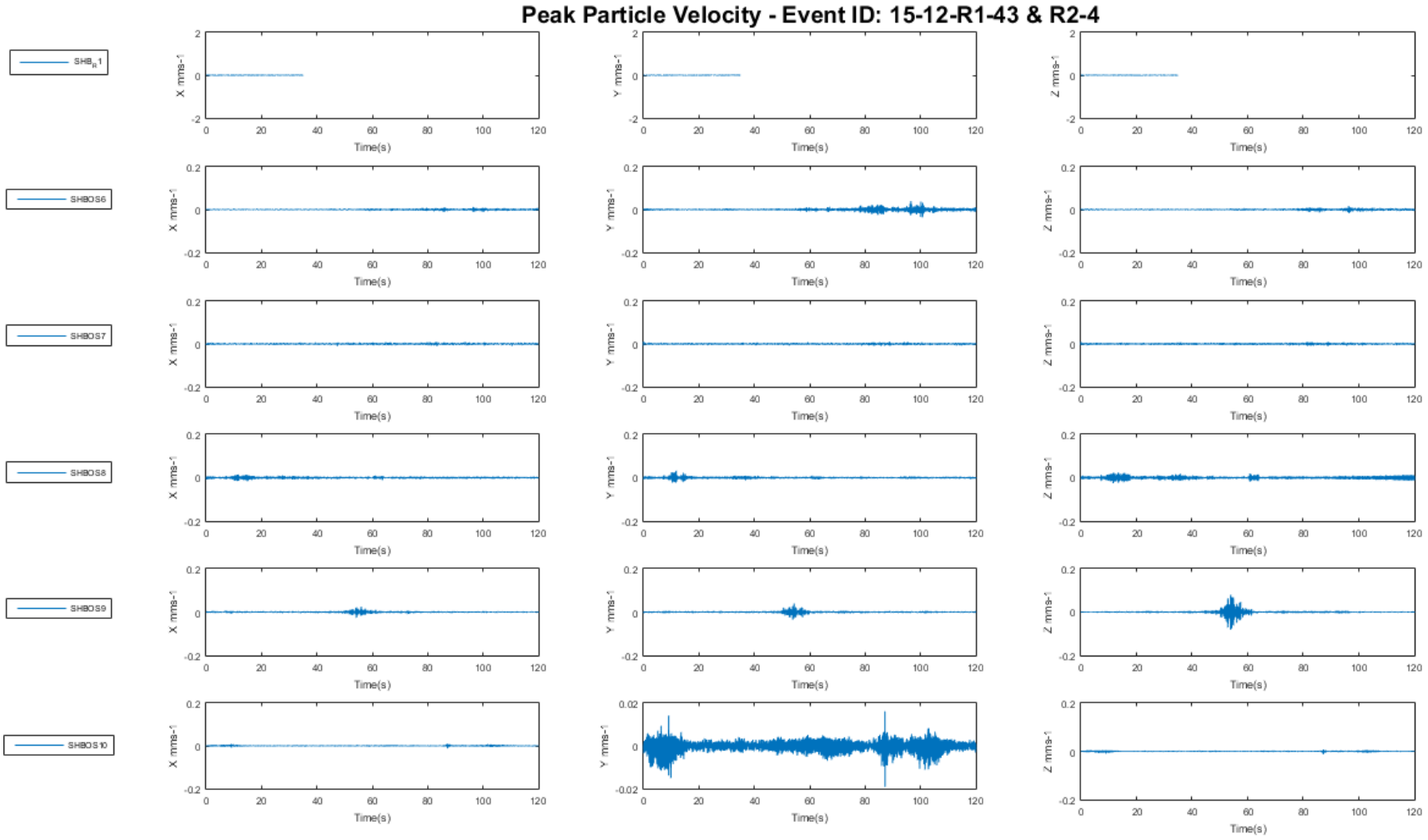


FIGURE 3.1778: SHB_OS 6 - 10 15-12-R1-43 & R2-4

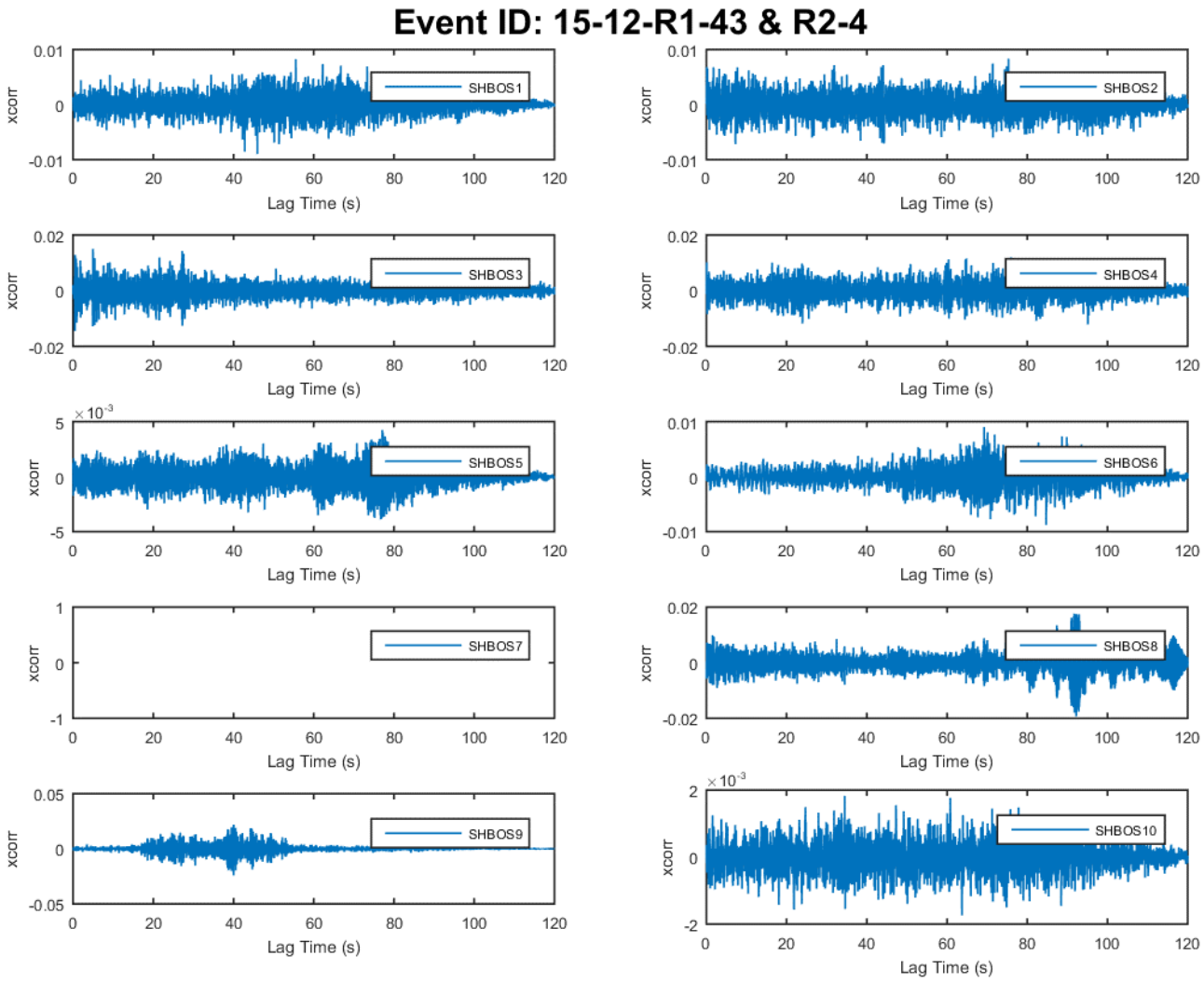


FIGURE 3.1779: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-43 & R2-4

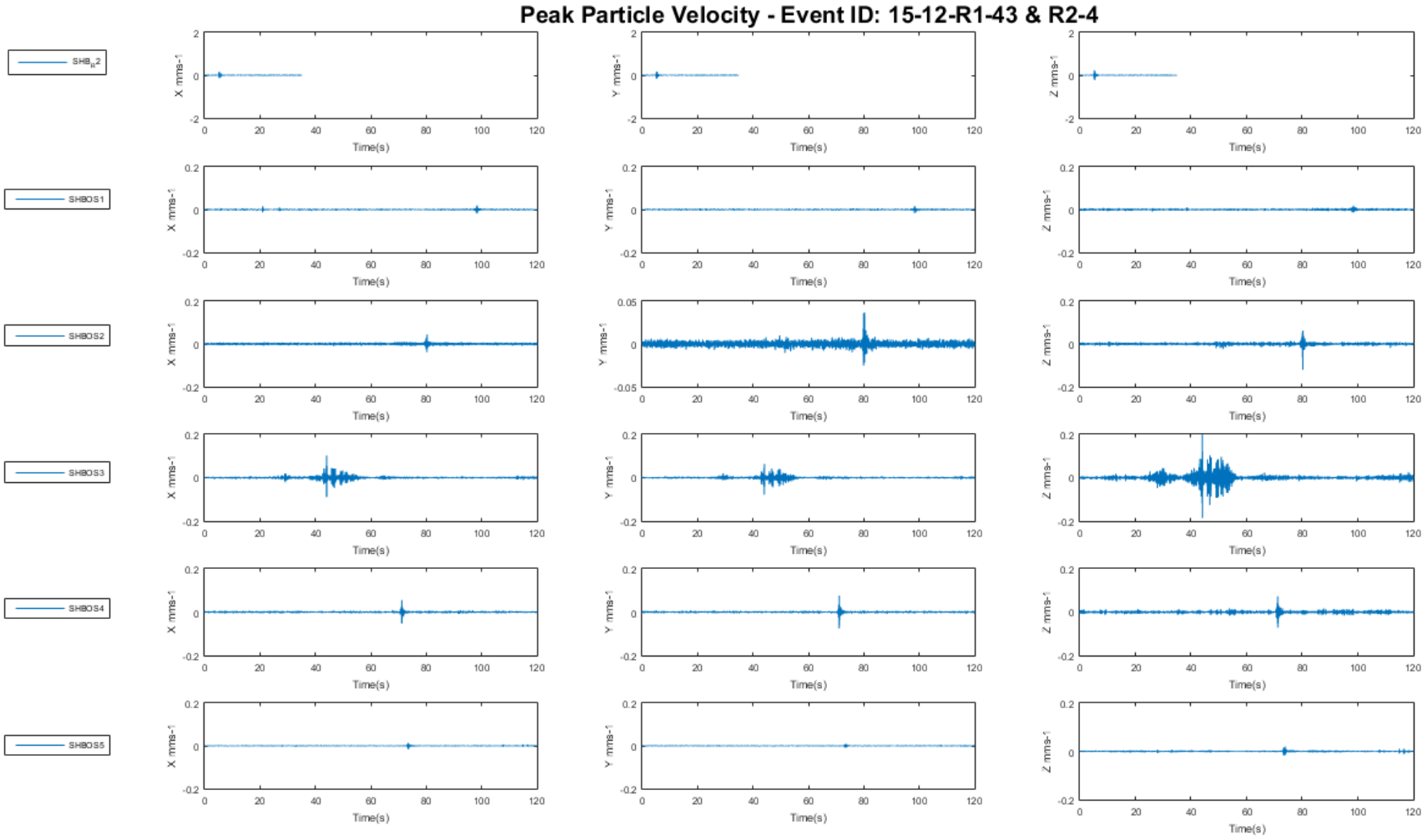


FIGURE 3.1780: SHB_OS 1 - 5 15-12-R1-43 & R2-4

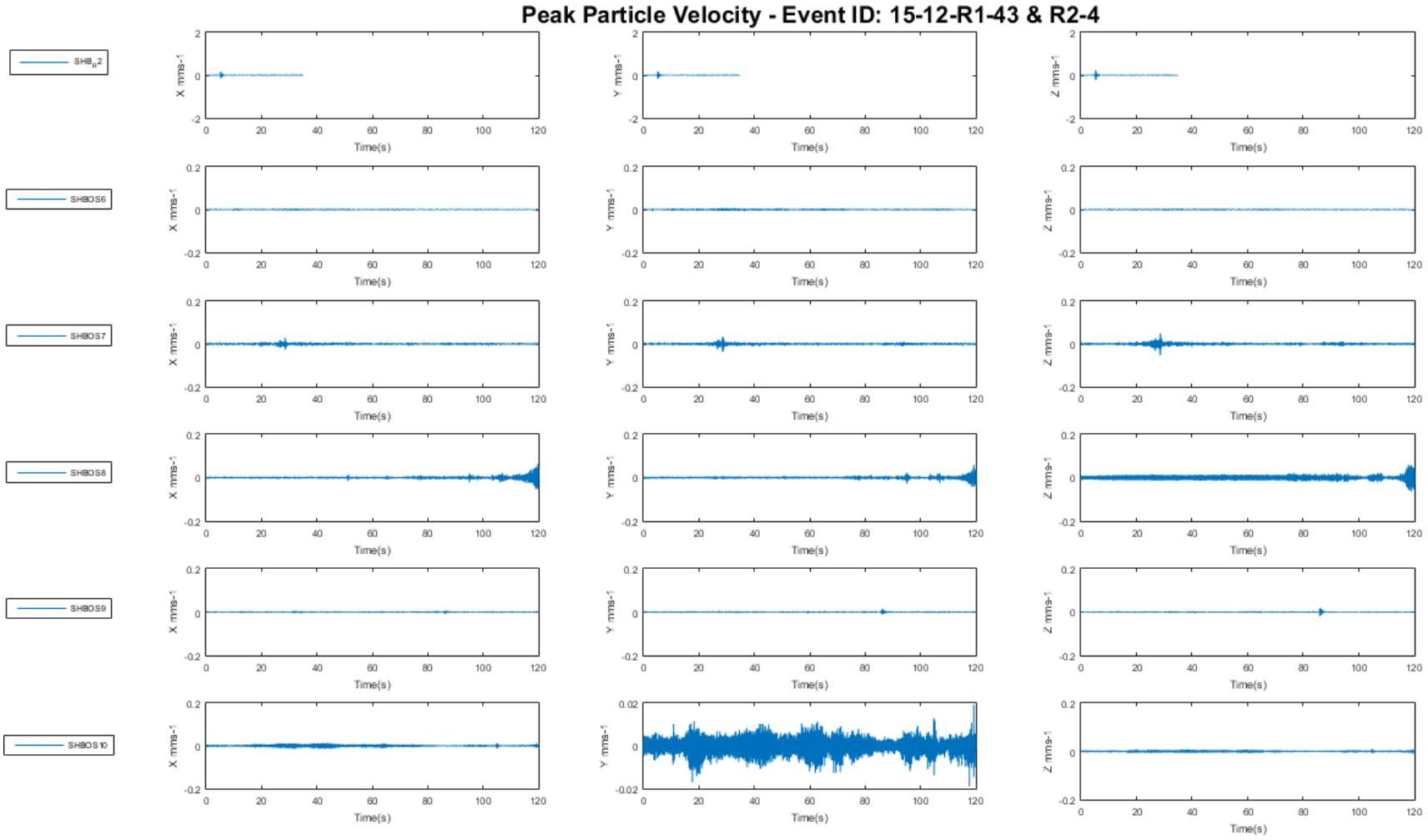


FIGURE 3.1781: SHB_OS 6 - 10 15-12-R1-43 & R2-4

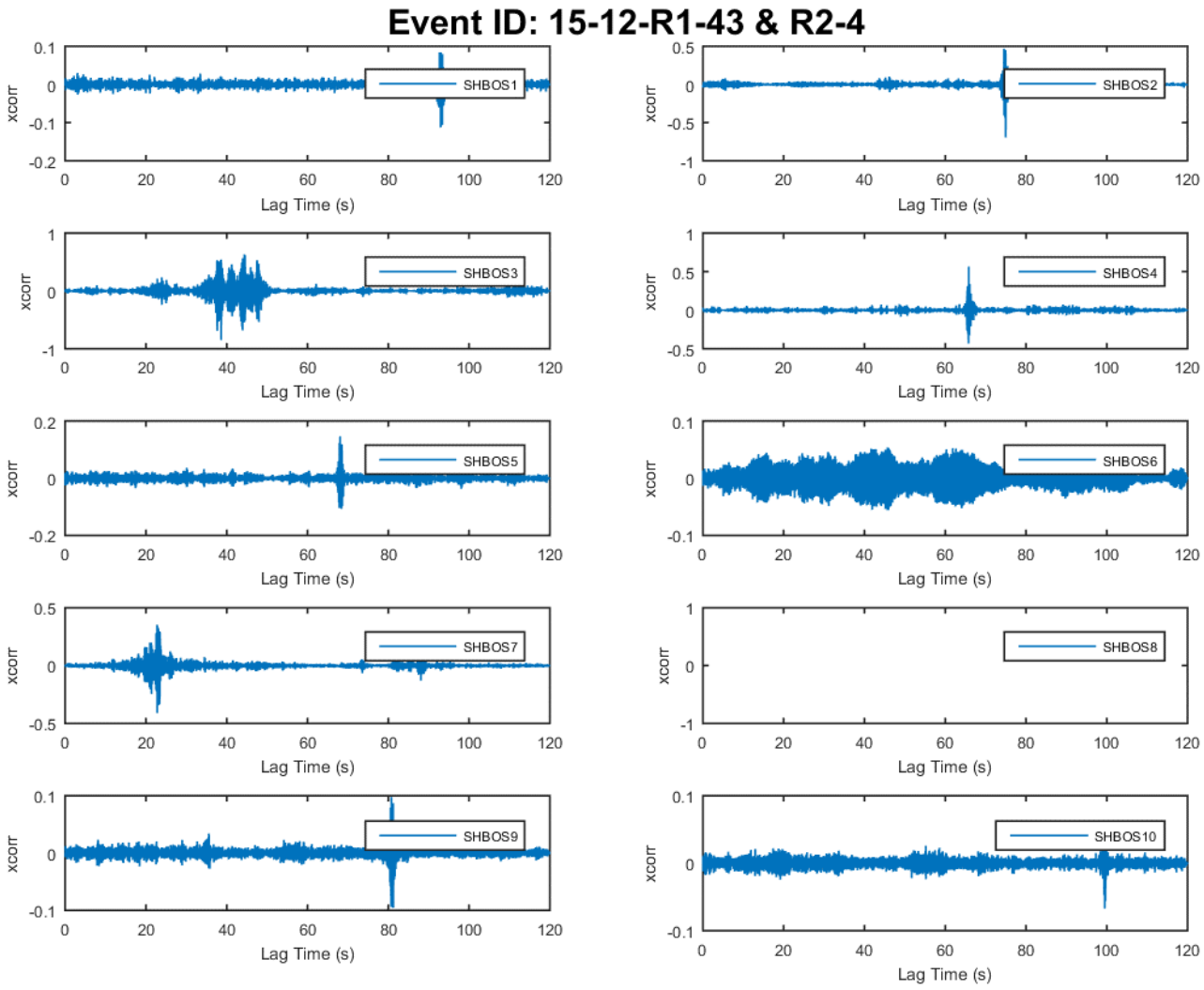


FIGURE 3.1782: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-43 & R2-4

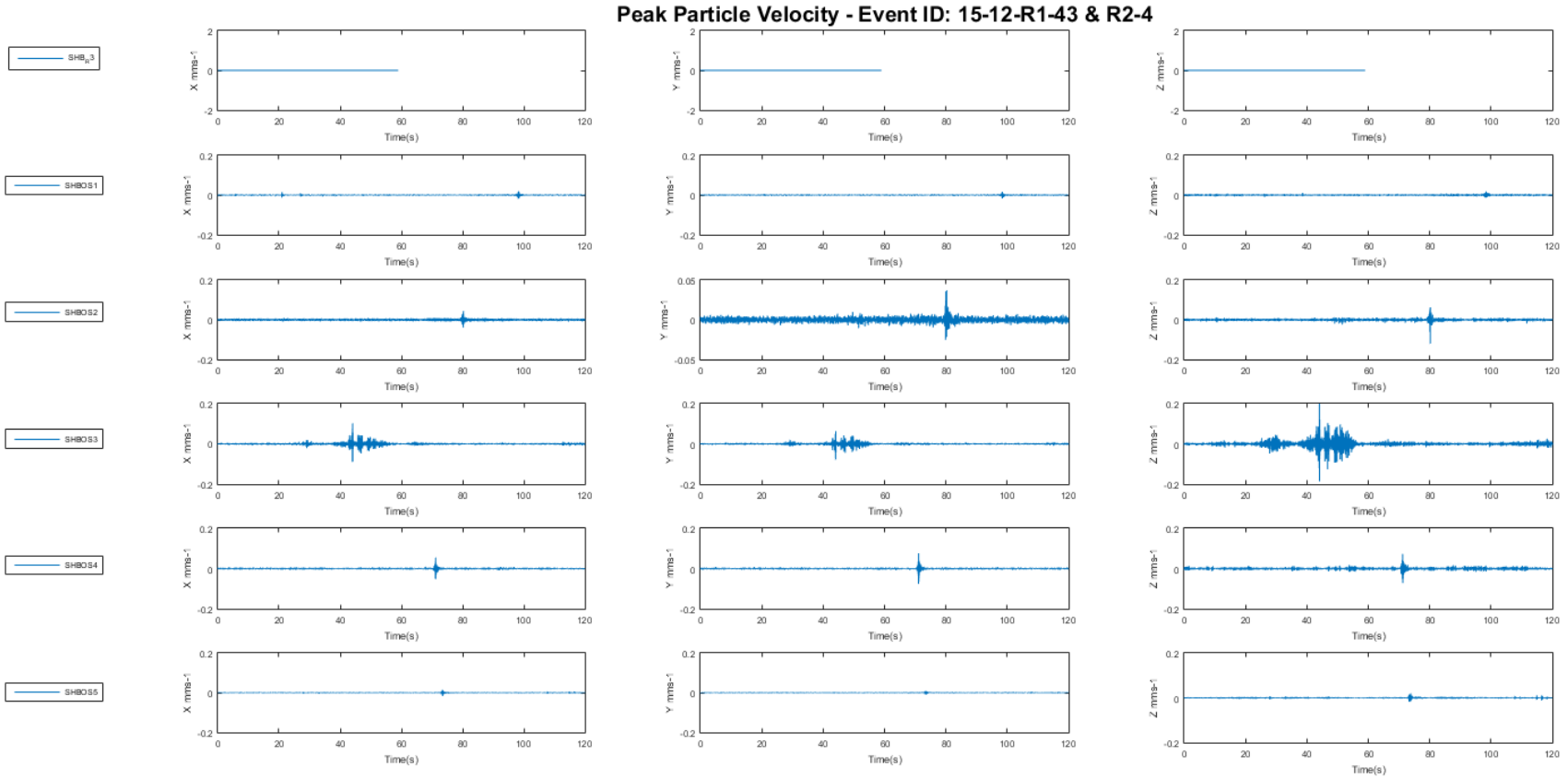


FIGURE 3.1783: SHB_OS 1 - 5 15-12-R1-43 & R2-4

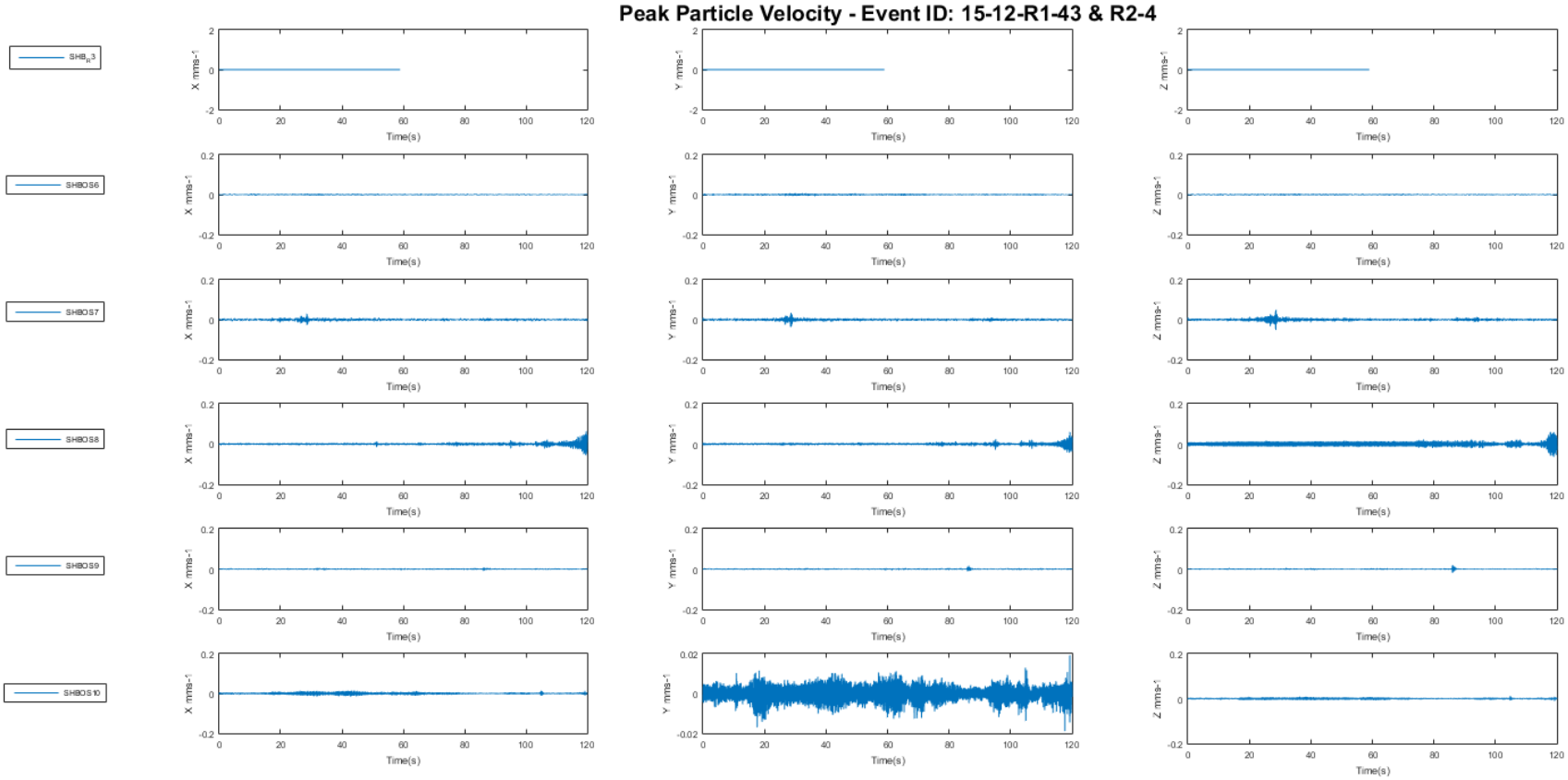


FIGURE 3.1784: SHB_OS 6 - 10 15-12-R1-43 & R2-4

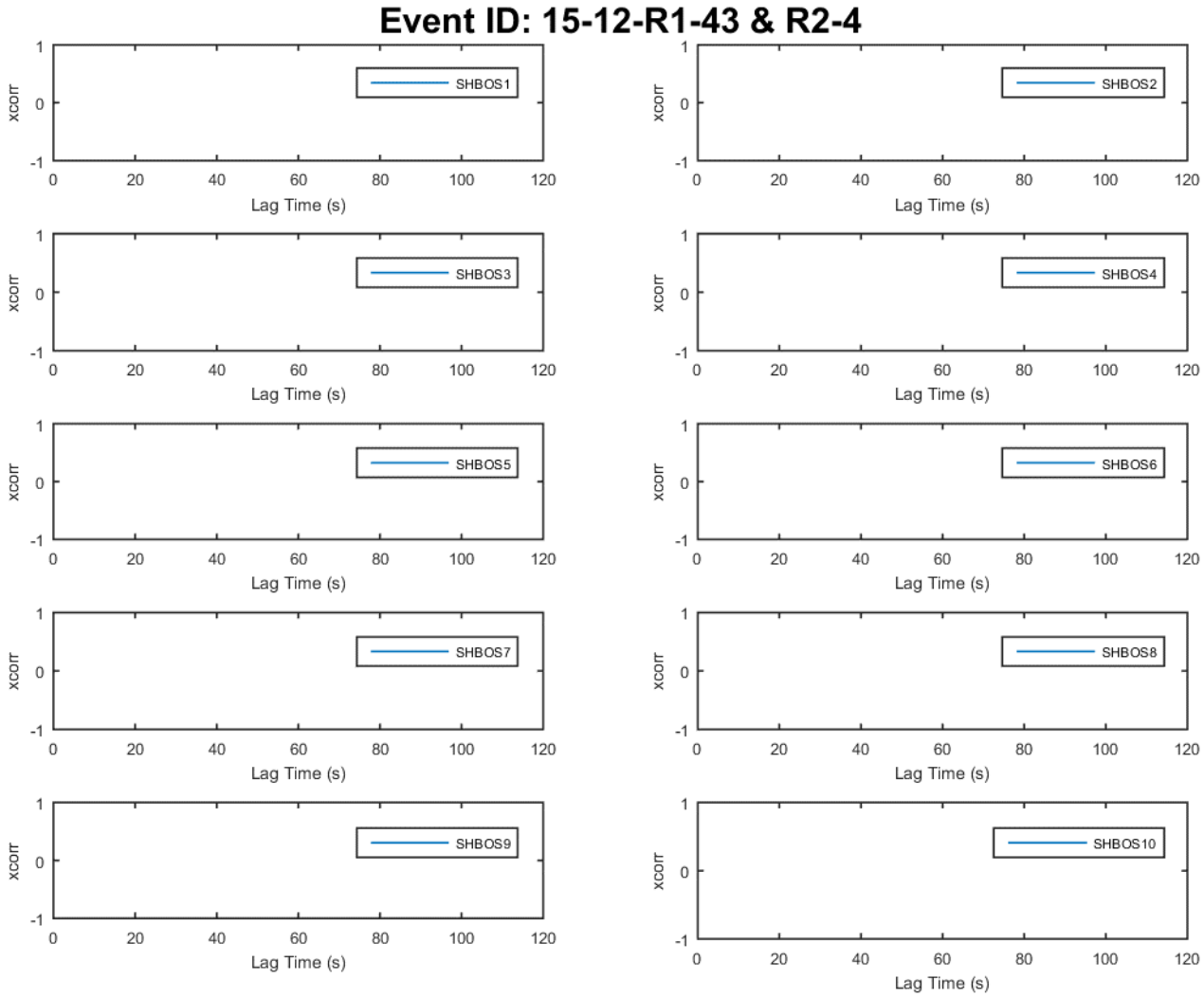


FIGURE 3.1785: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-43 & R2-4

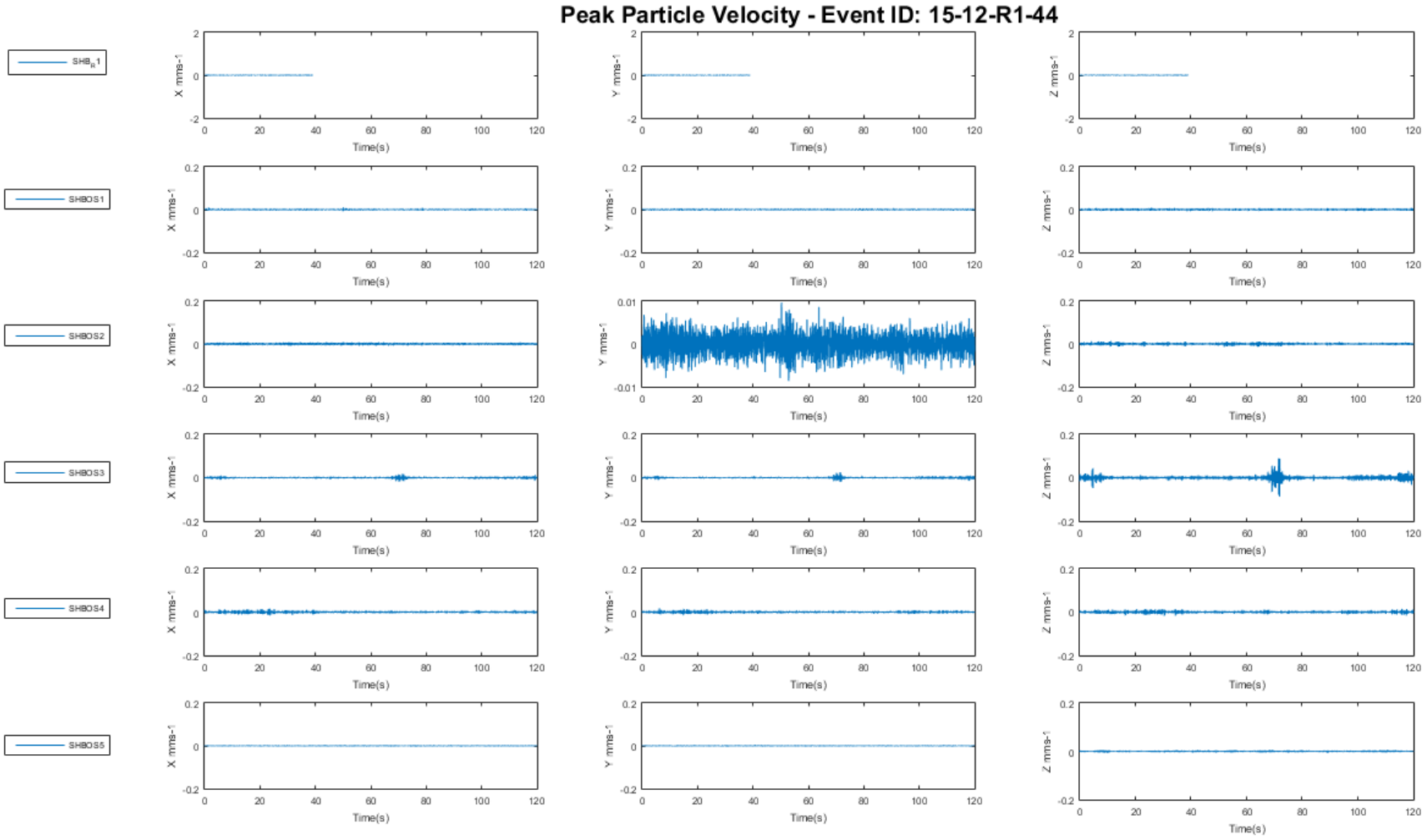


FIGURE 3.1786: SHB_OS 1 - 5 15-12-R1-44

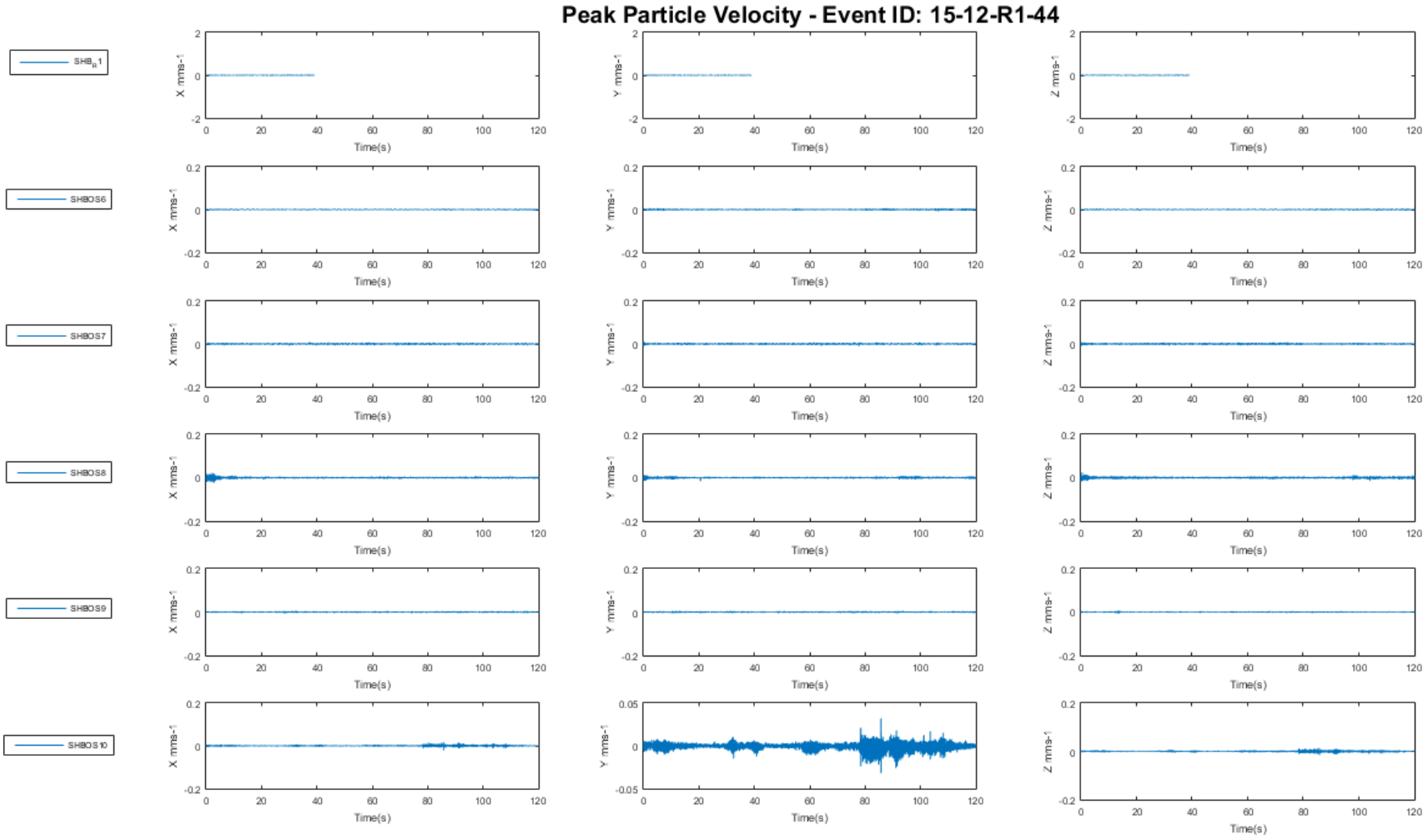


FIGURE 3.1787: SHB_OS 6 - 10 15-12-R1-44

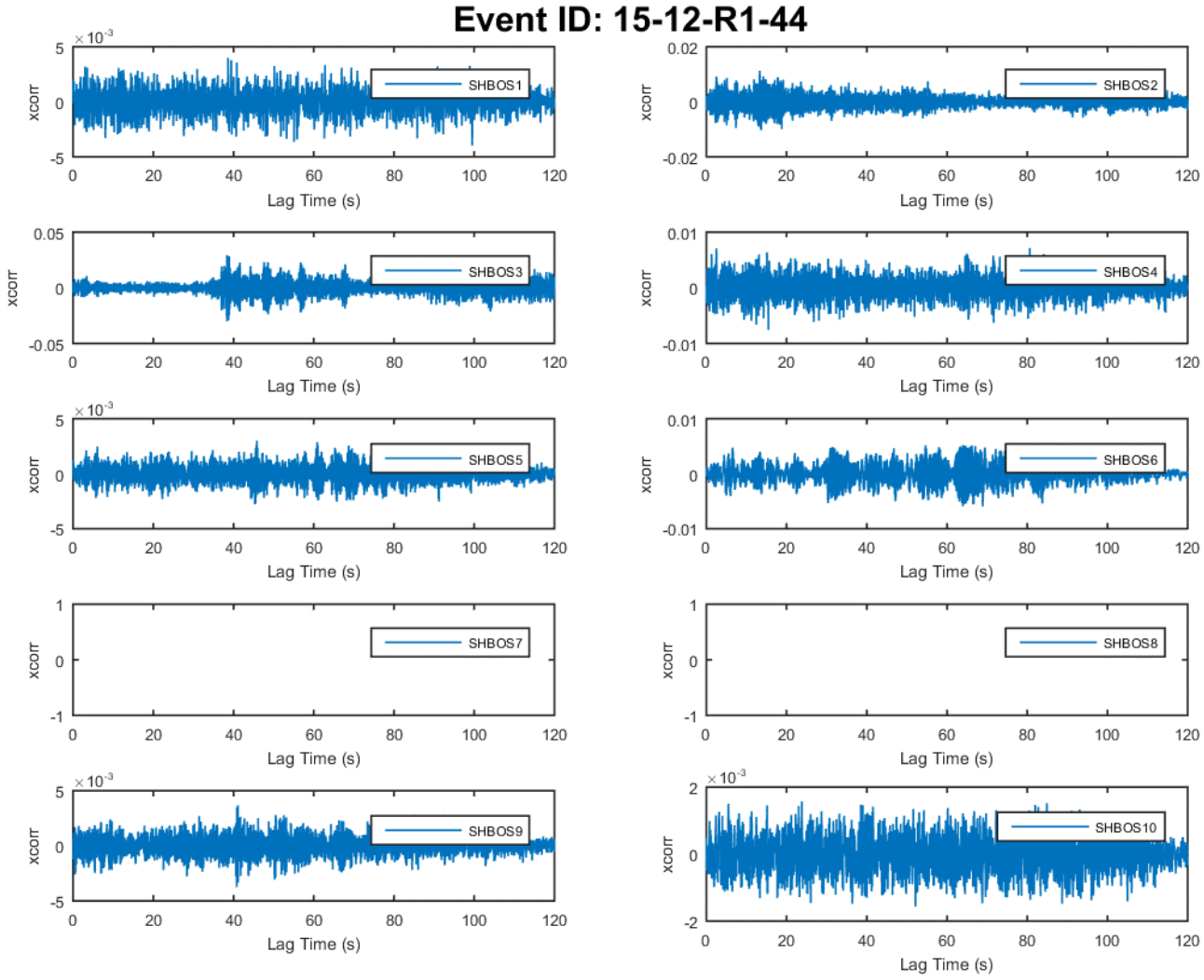


FIGURE 3.1788: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-44

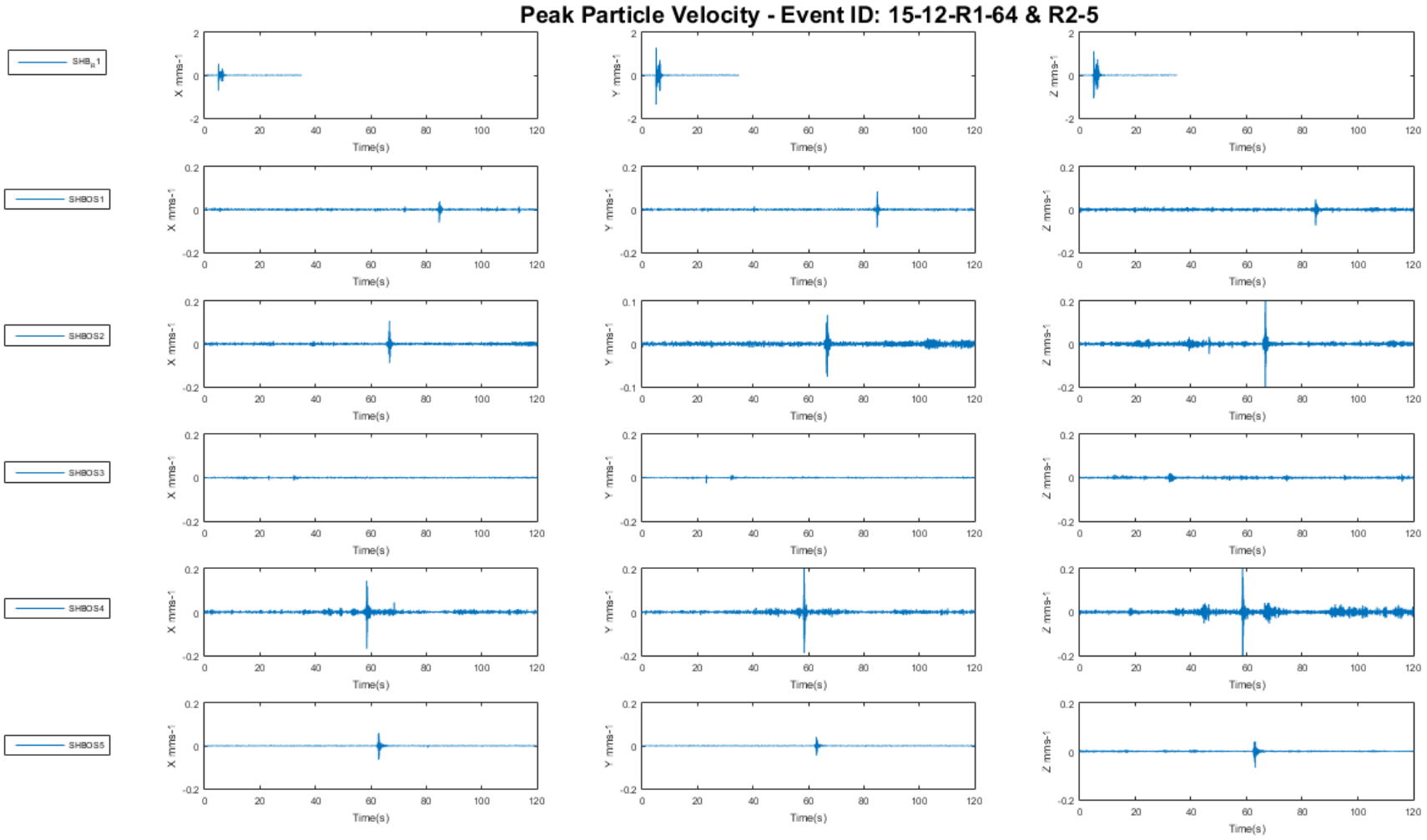


FIGURE 3.1789: SHB_OS 1 - 5 15-12-R1-64 & R2-5

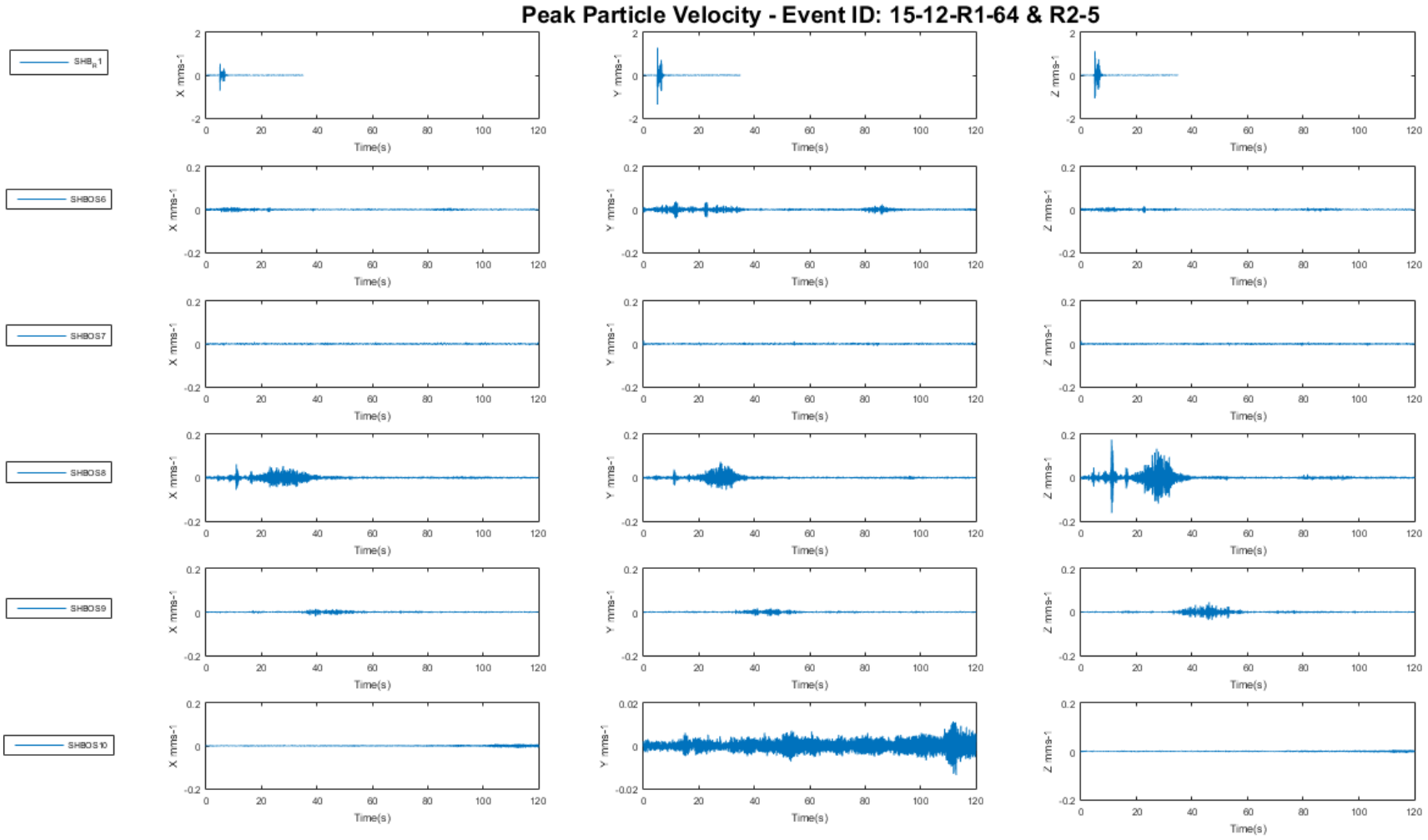


FIGURE 3.1790: SHB_OS 6 - 10 15-12-R1-64 & R2-5

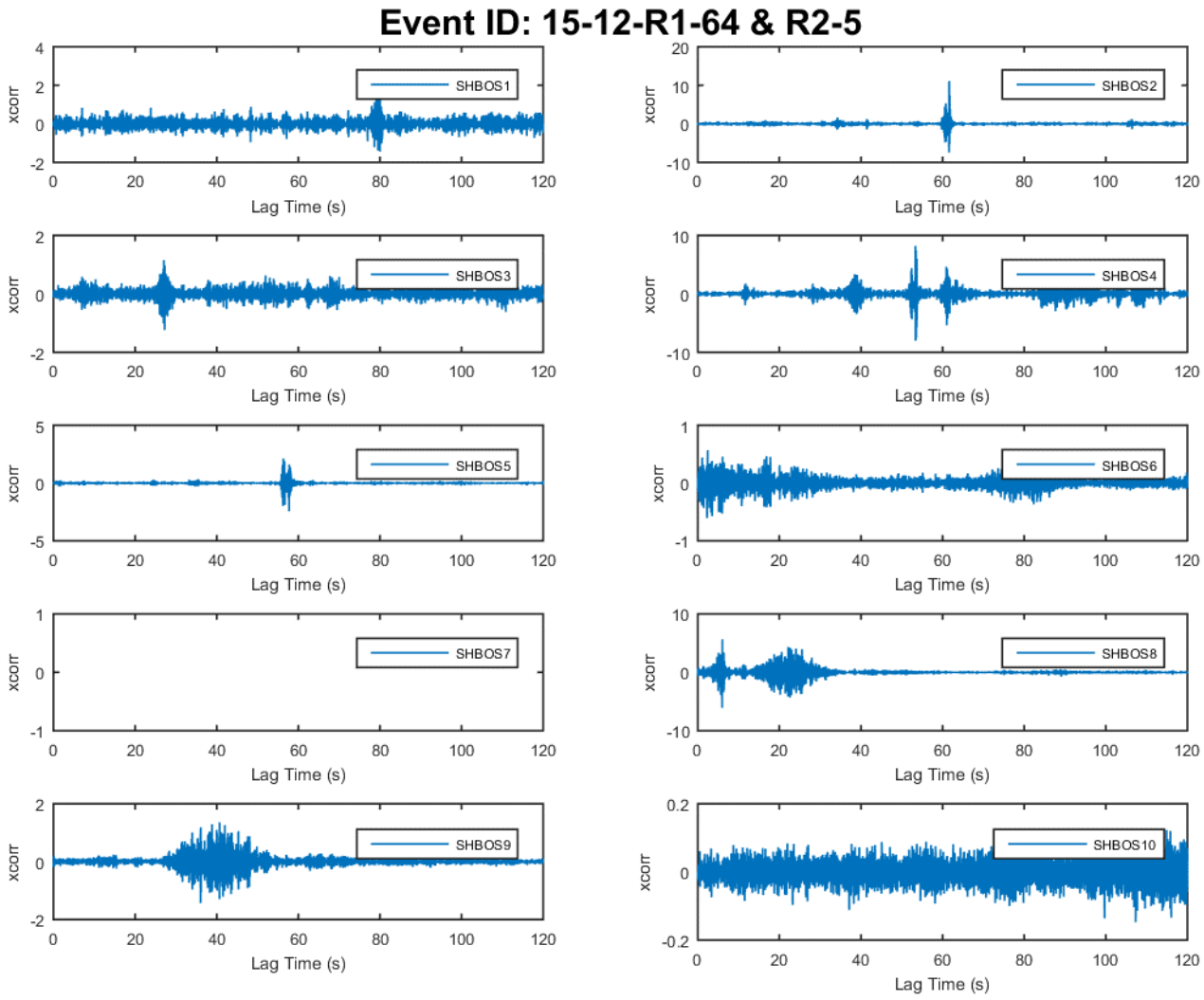


FIGURE 3.1791: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-64 & R2-5

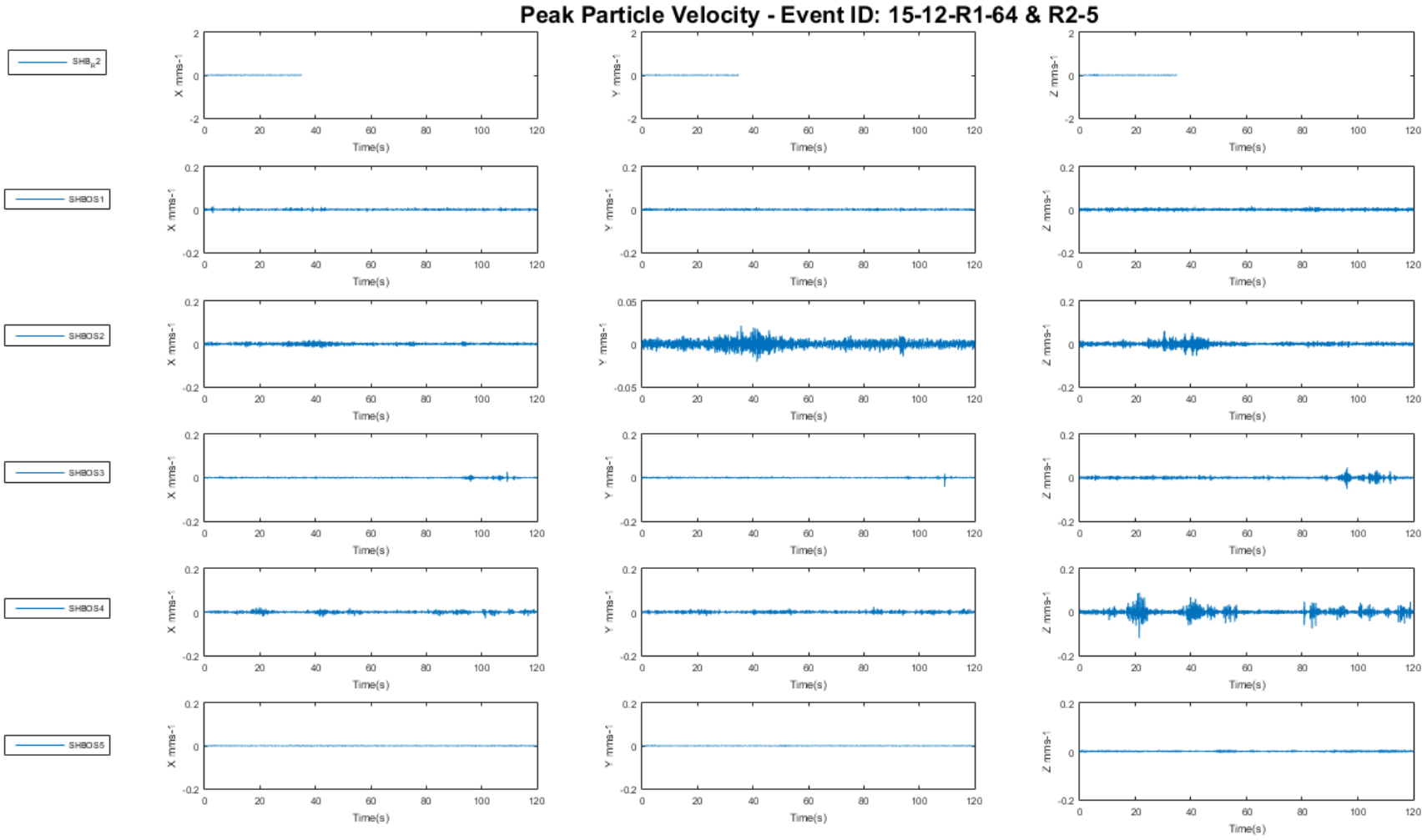


FIGURE 3.1792: SHB_OS 1 - 5 15-12-R1-64 & R2-5

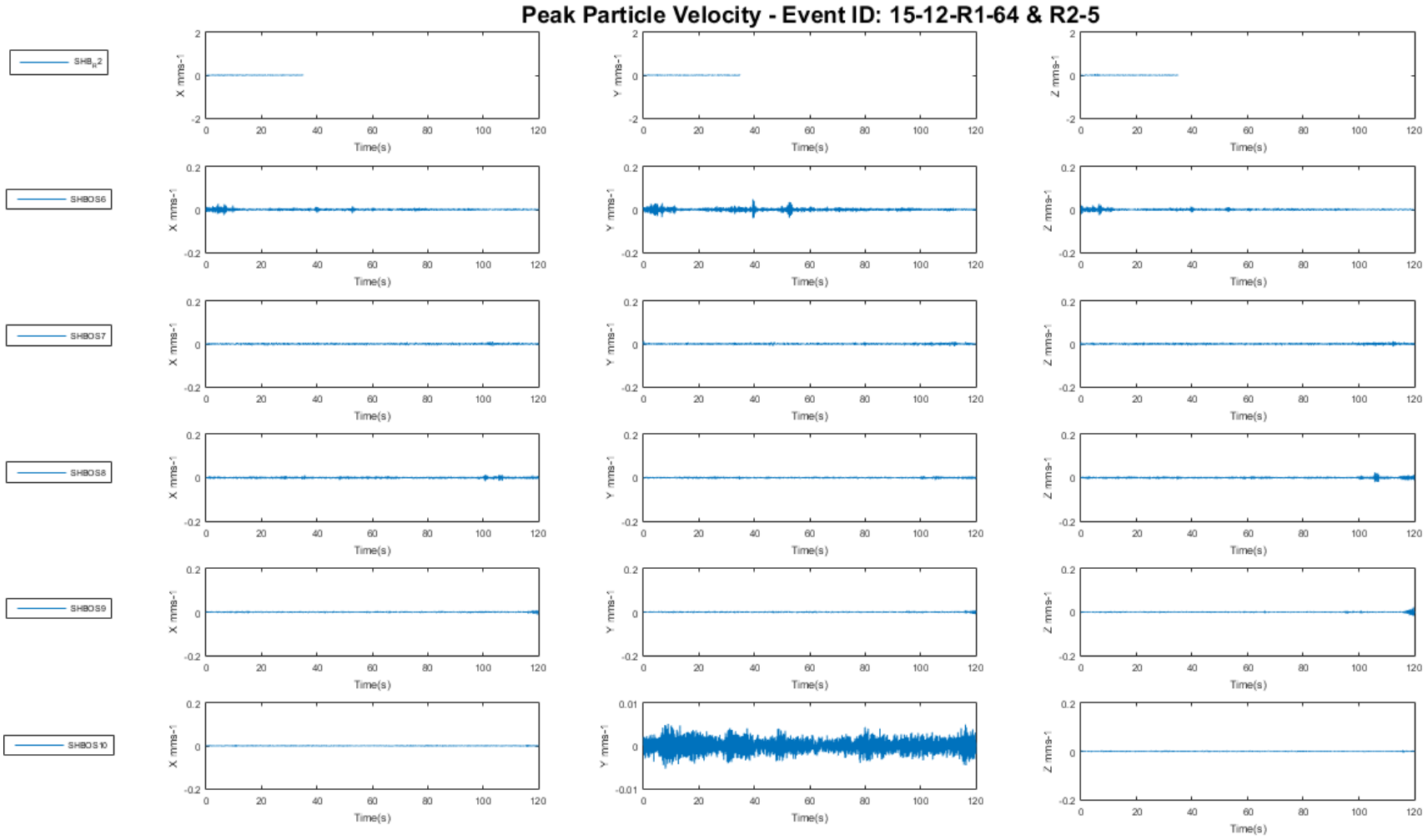


FIGURE 3.1793: SHB_OS 6 - 10 15-12-R1-64 & R2-5

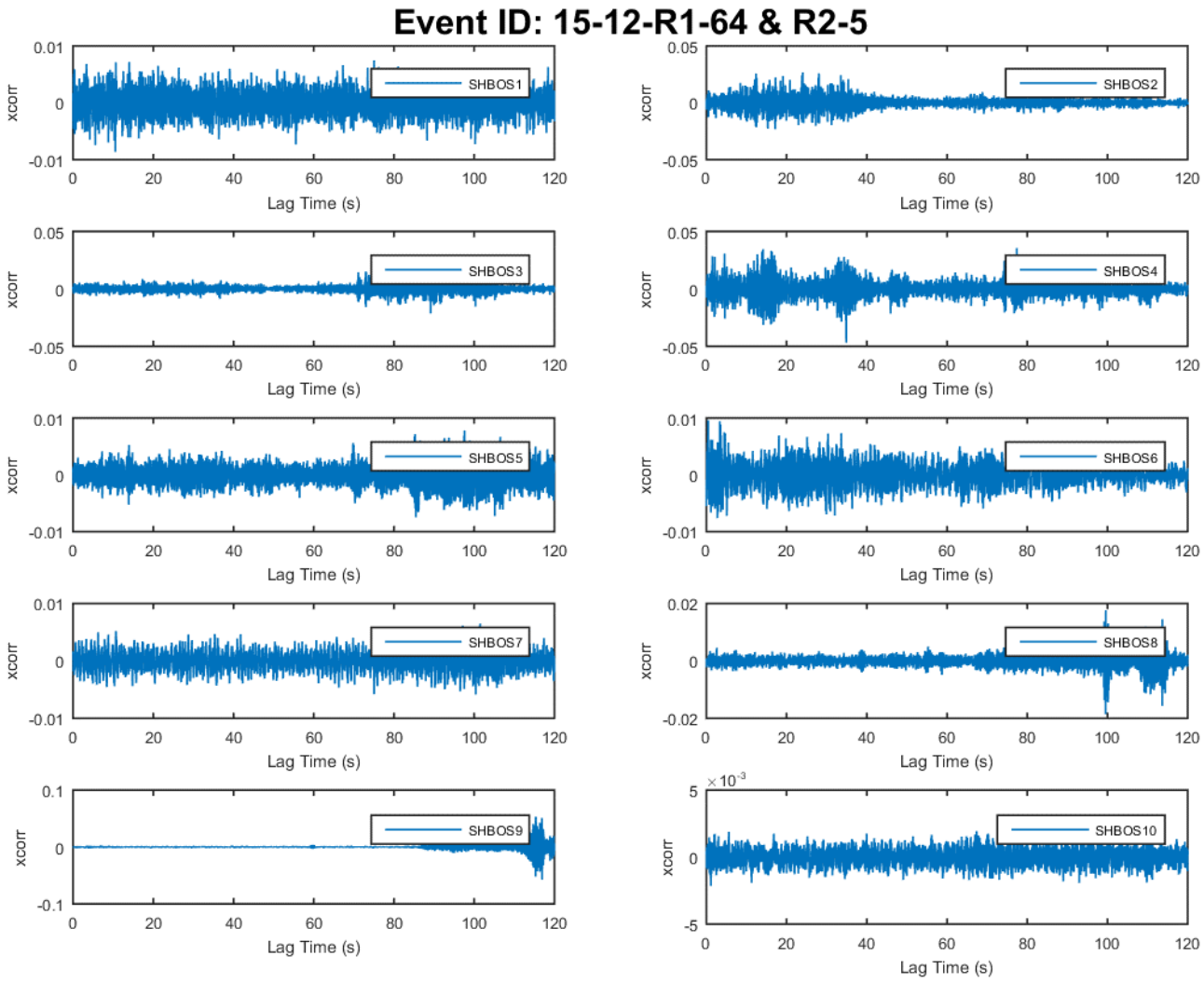


FIGURE 3.1794: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-64 & R2-5

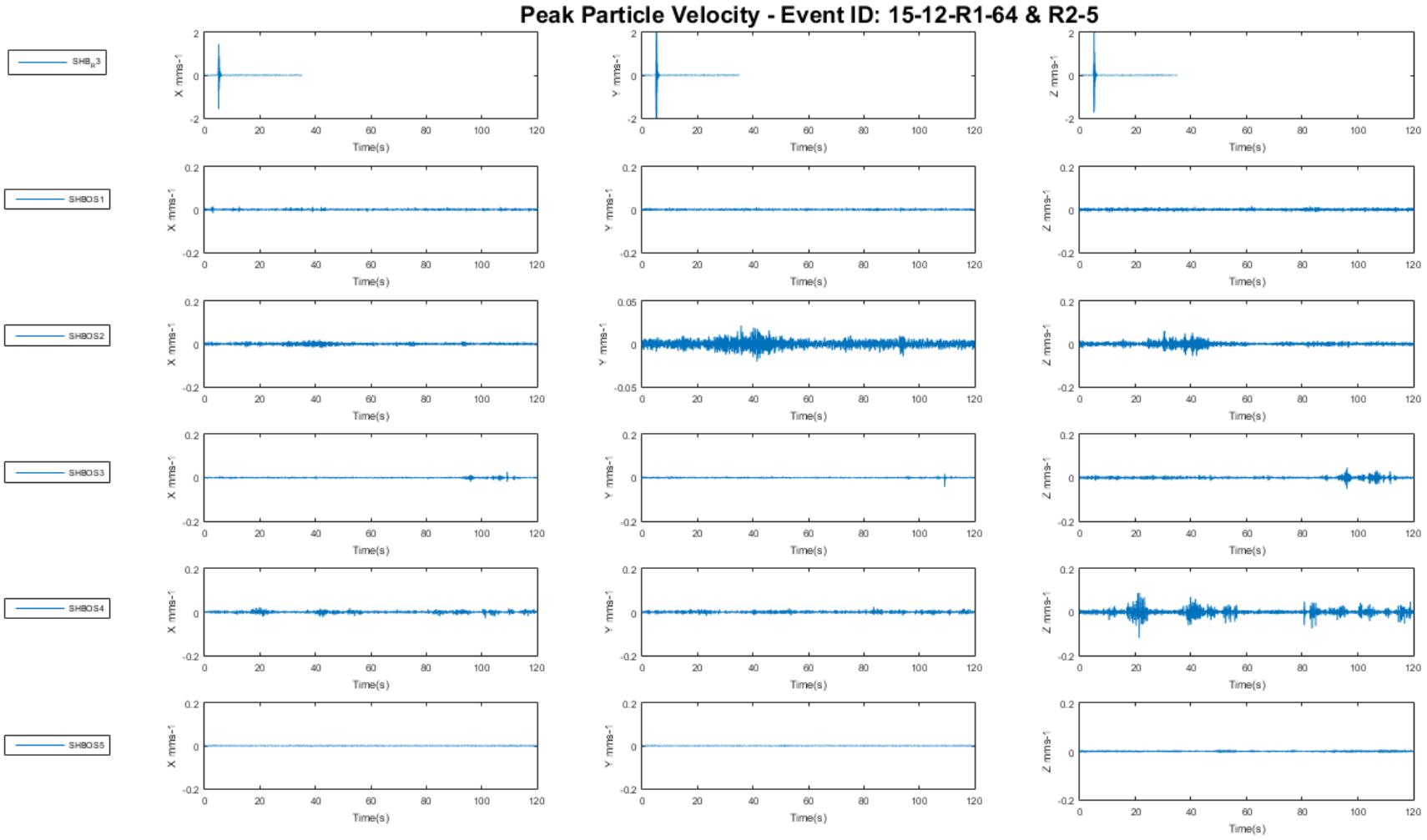


FIGURE 3.1795: SHB_OS 1 - 5 15-12-R1-64 & R2-5

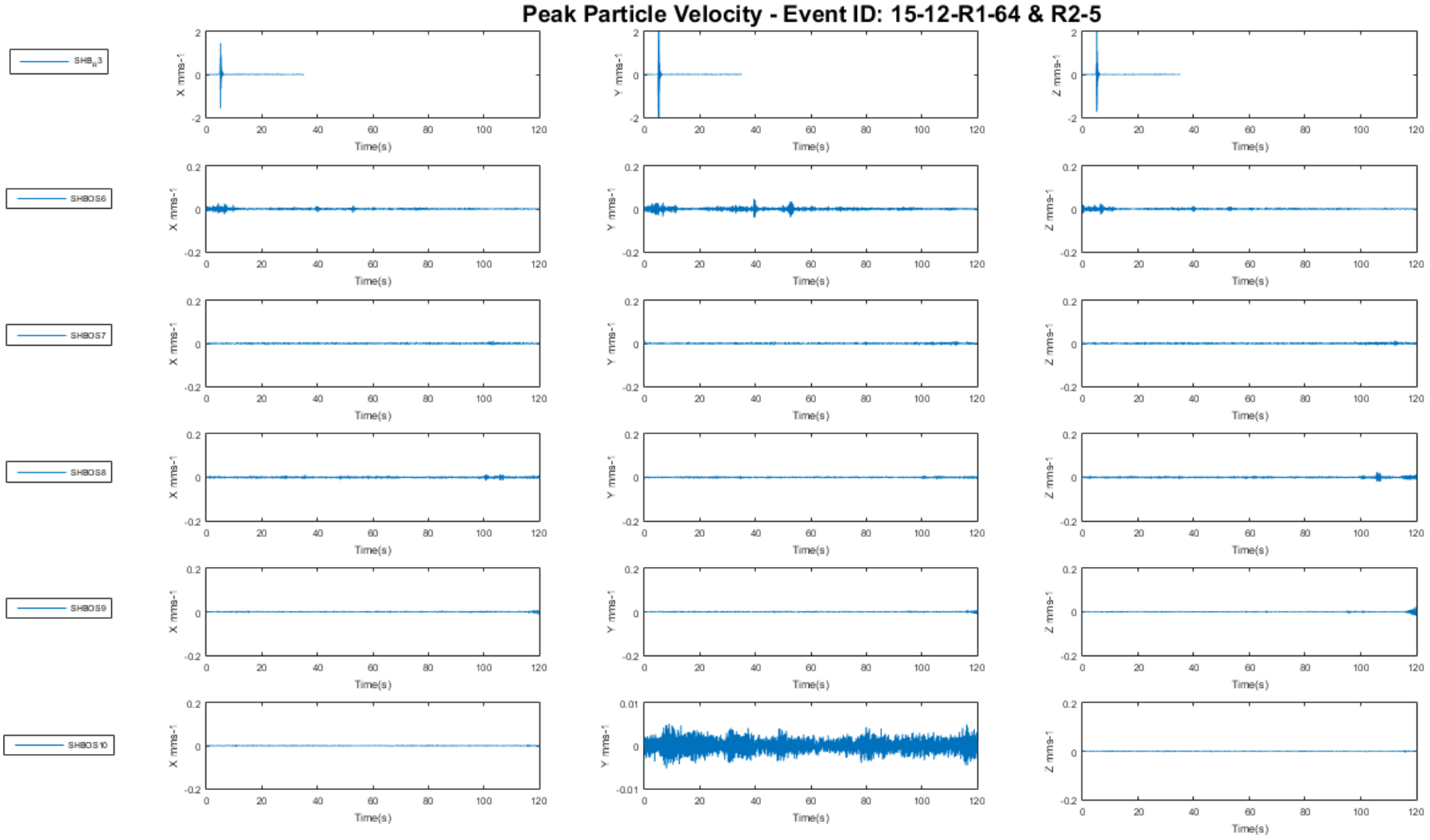


FIGURE 3.1796: SHB_OS 6 - 10 15-12-R1-64 & R2-5

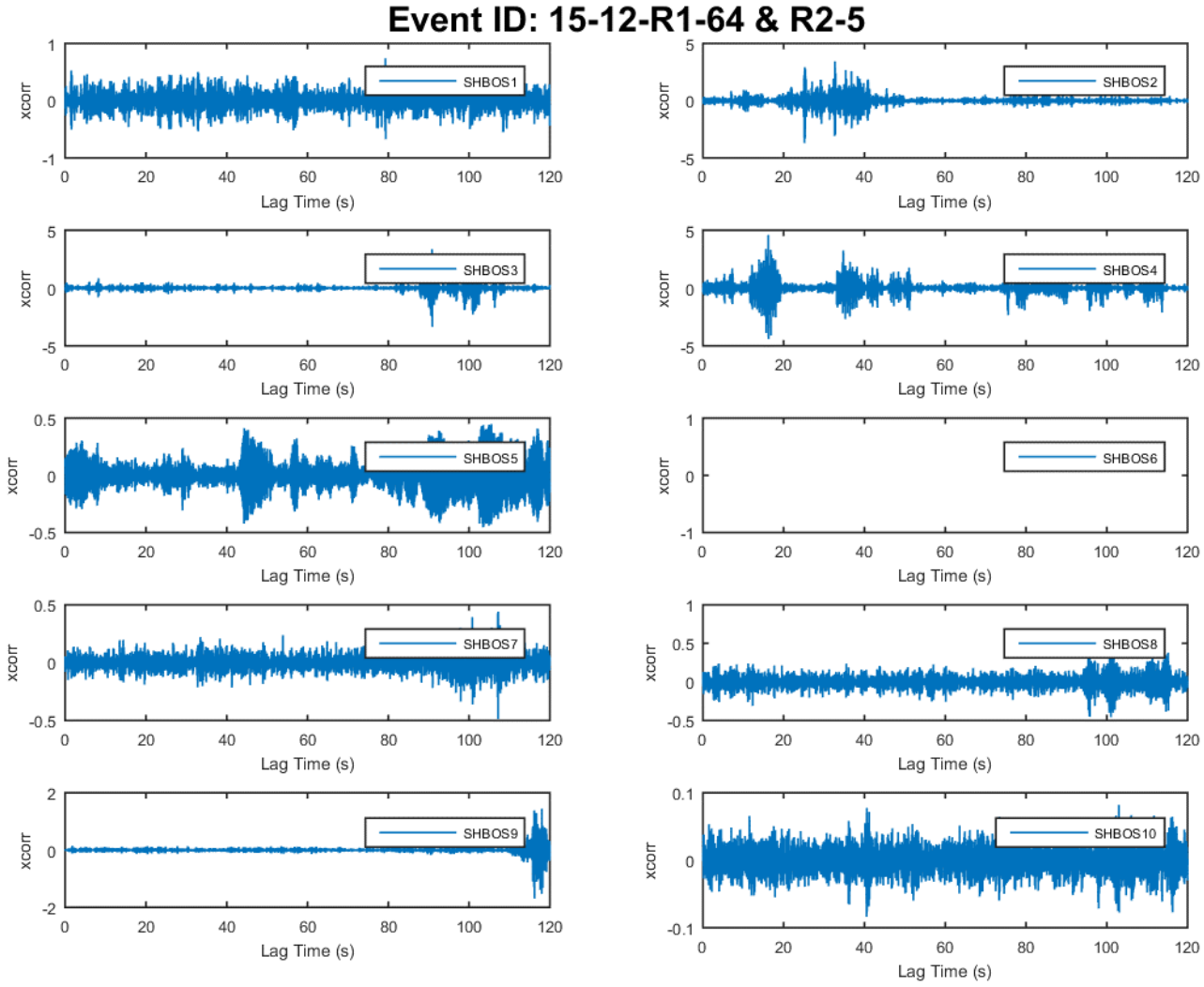


FIGURE 3.1797: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-64 & R2-5

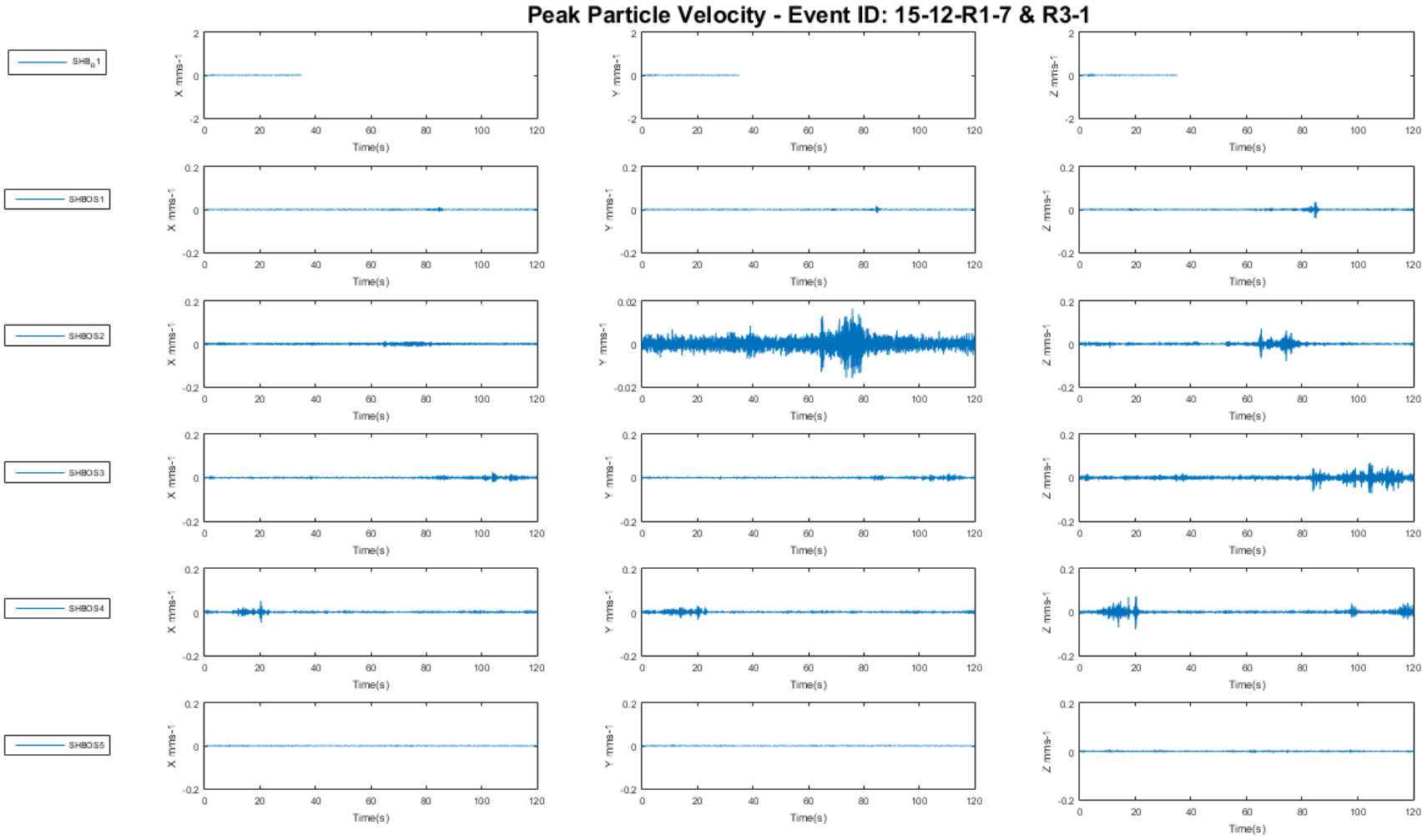


FIGURE 3.1798: SHB_OS 1 - 5 15-12-R1-7 & R3-1

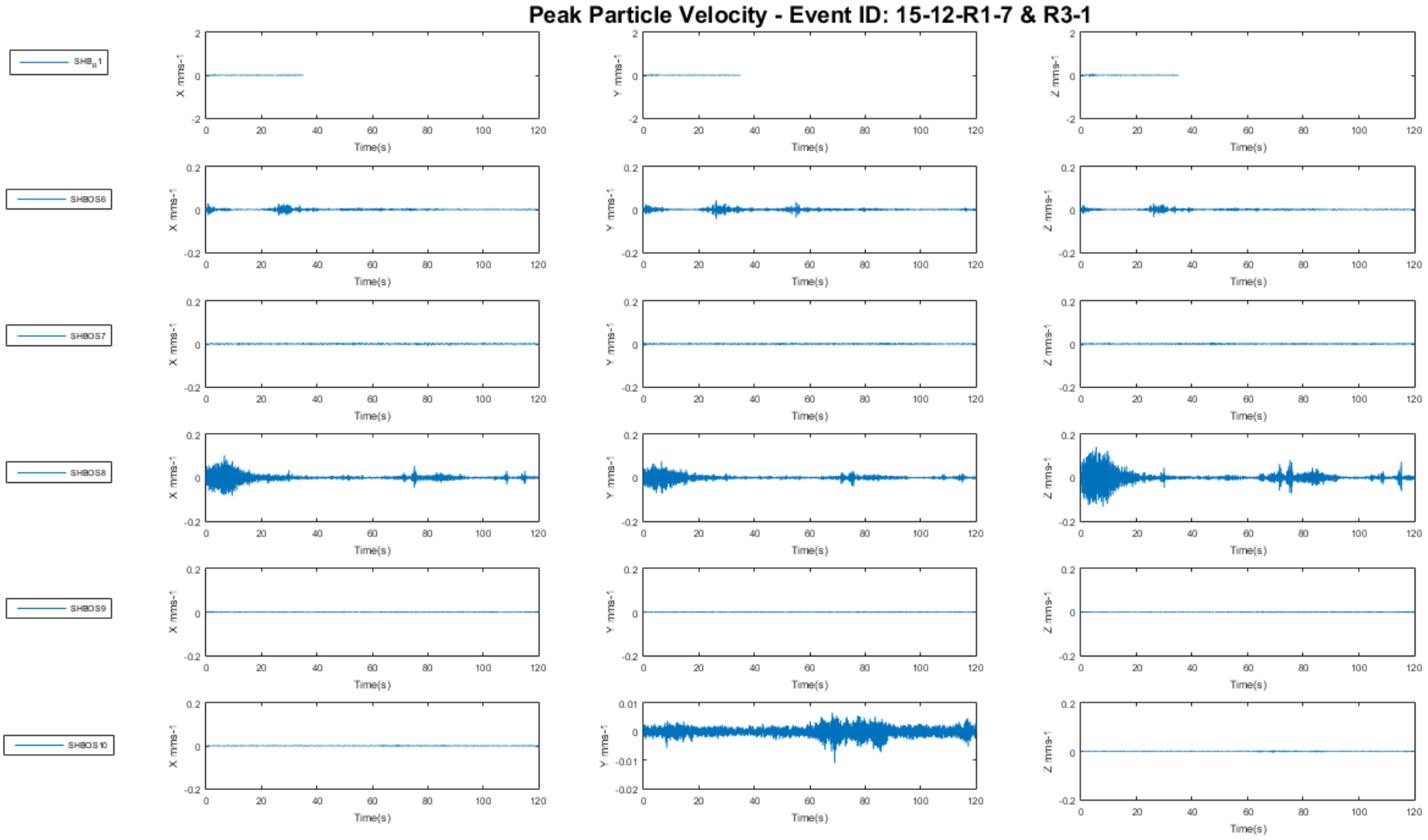


FIGURE 3.1799: SHB_OS 6 - 10 15-12-R1-7 & R3-1

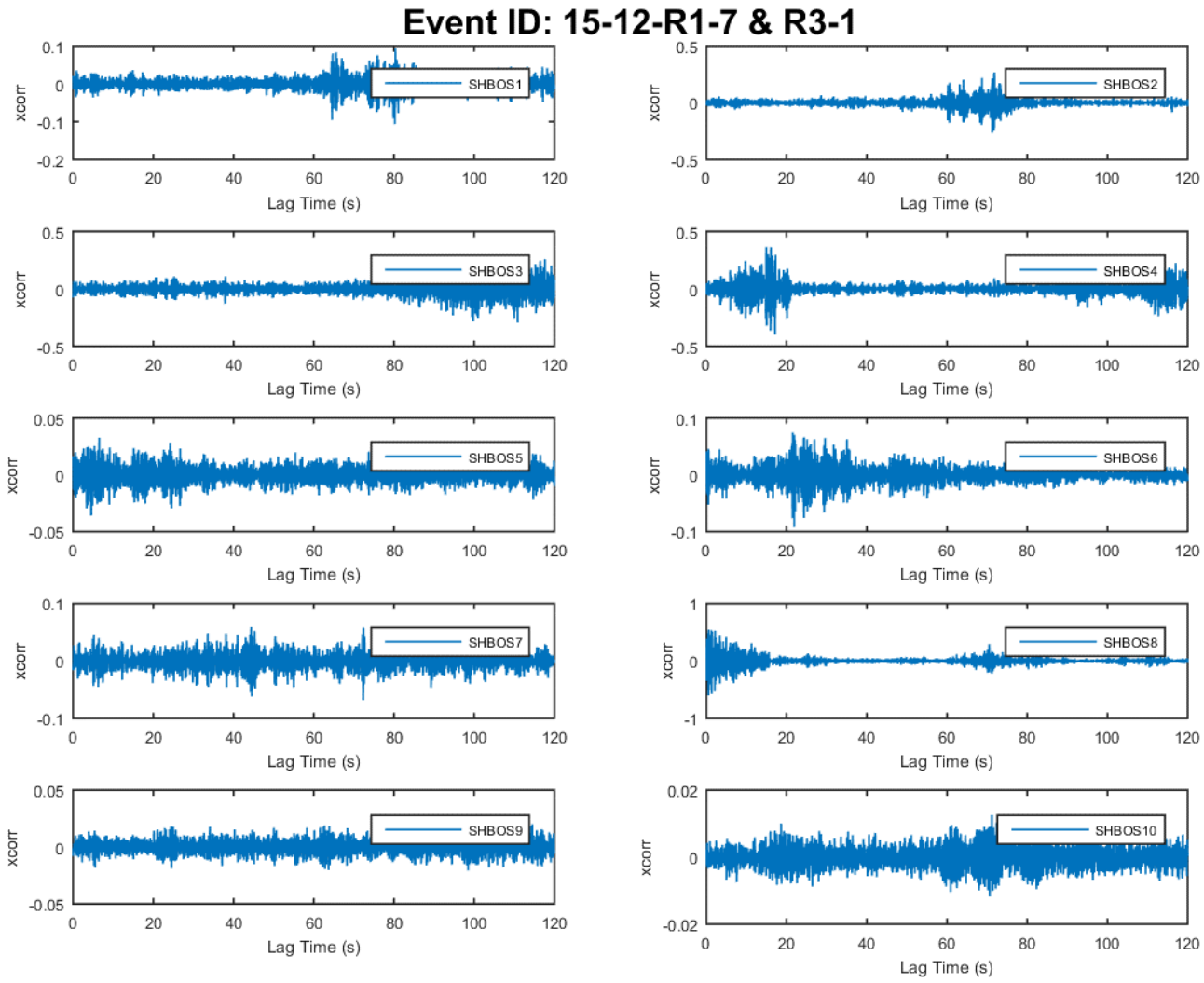


FIGURE 3.1800: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-7 & R3-1

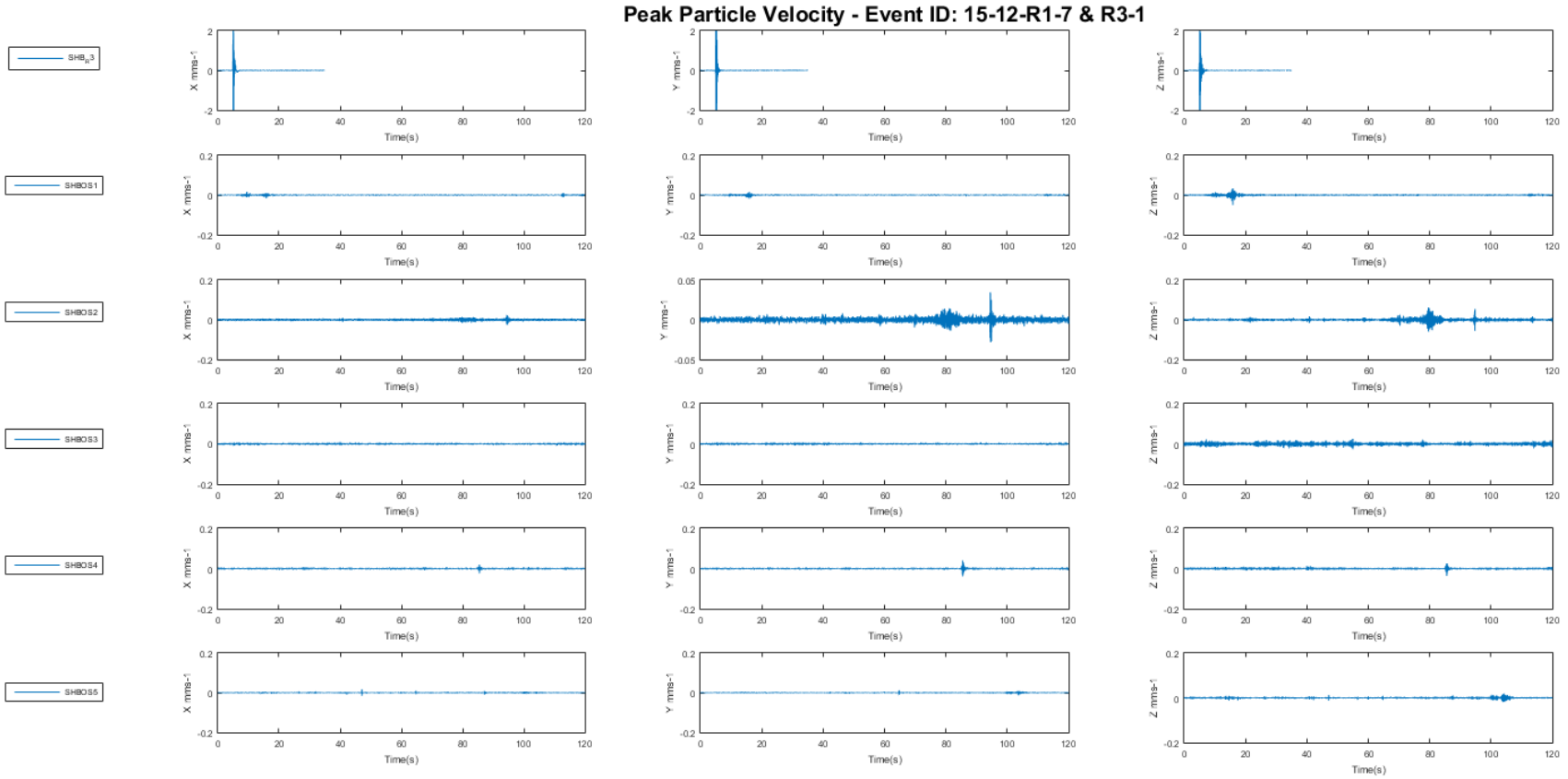


FIGURE 3.1801: SHB_OS 1 - 5 15-12-R1-7 & R3-1

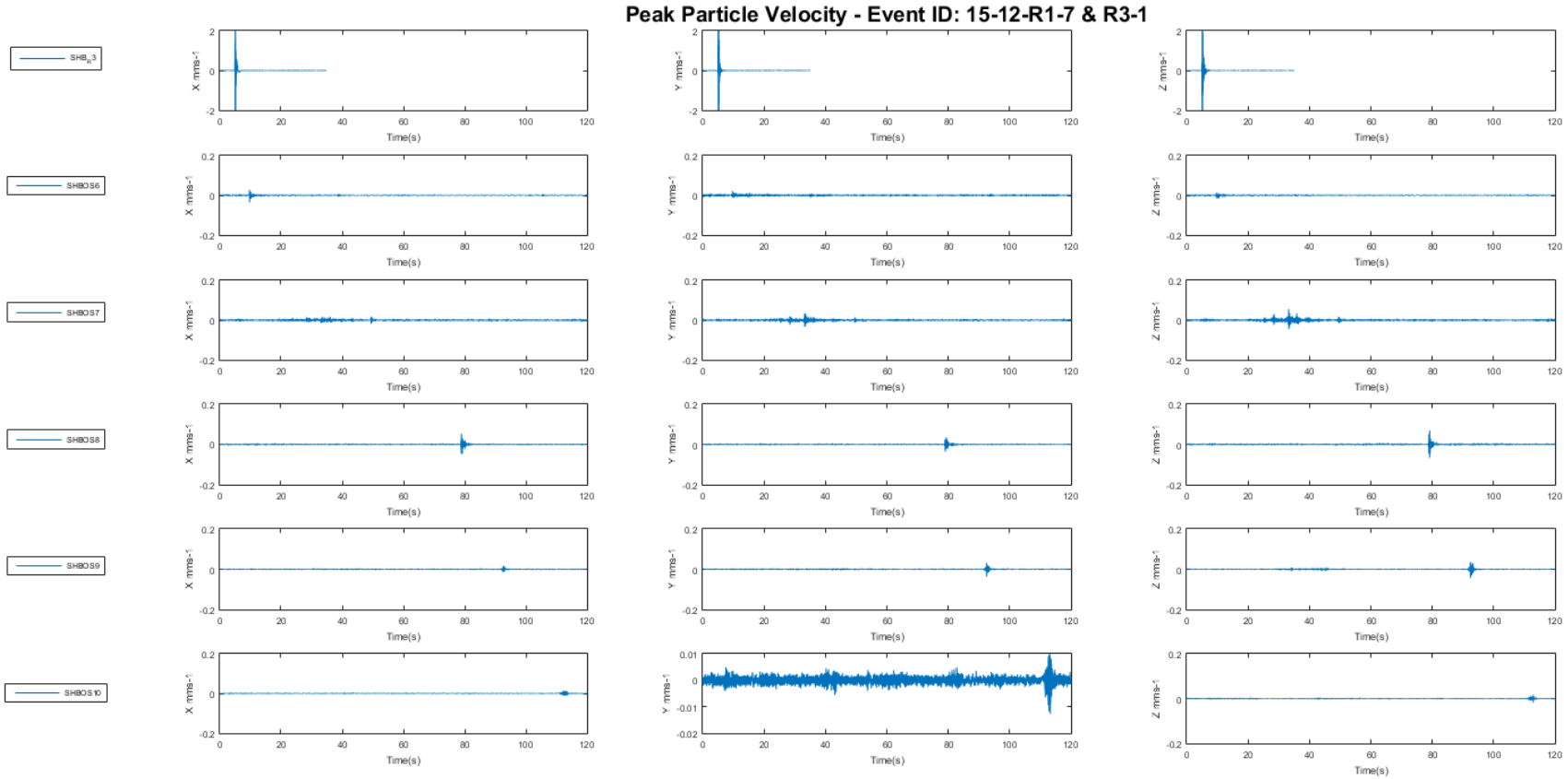


FIGURE 3.1802: SHB_OS 6 - 10 15-12-R1-7 & R3-1

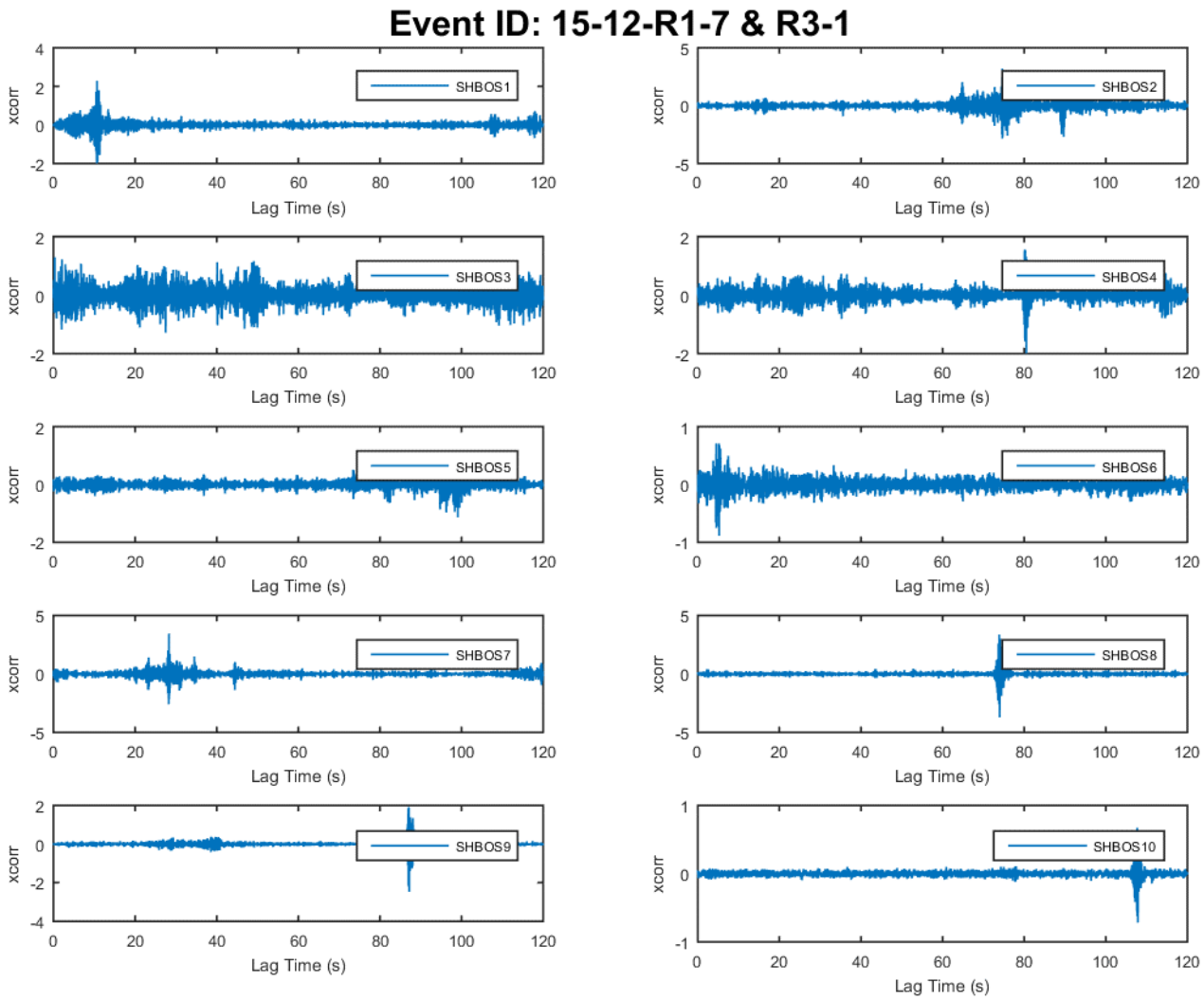


FIGURE 3.1803: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-7 & R3-1

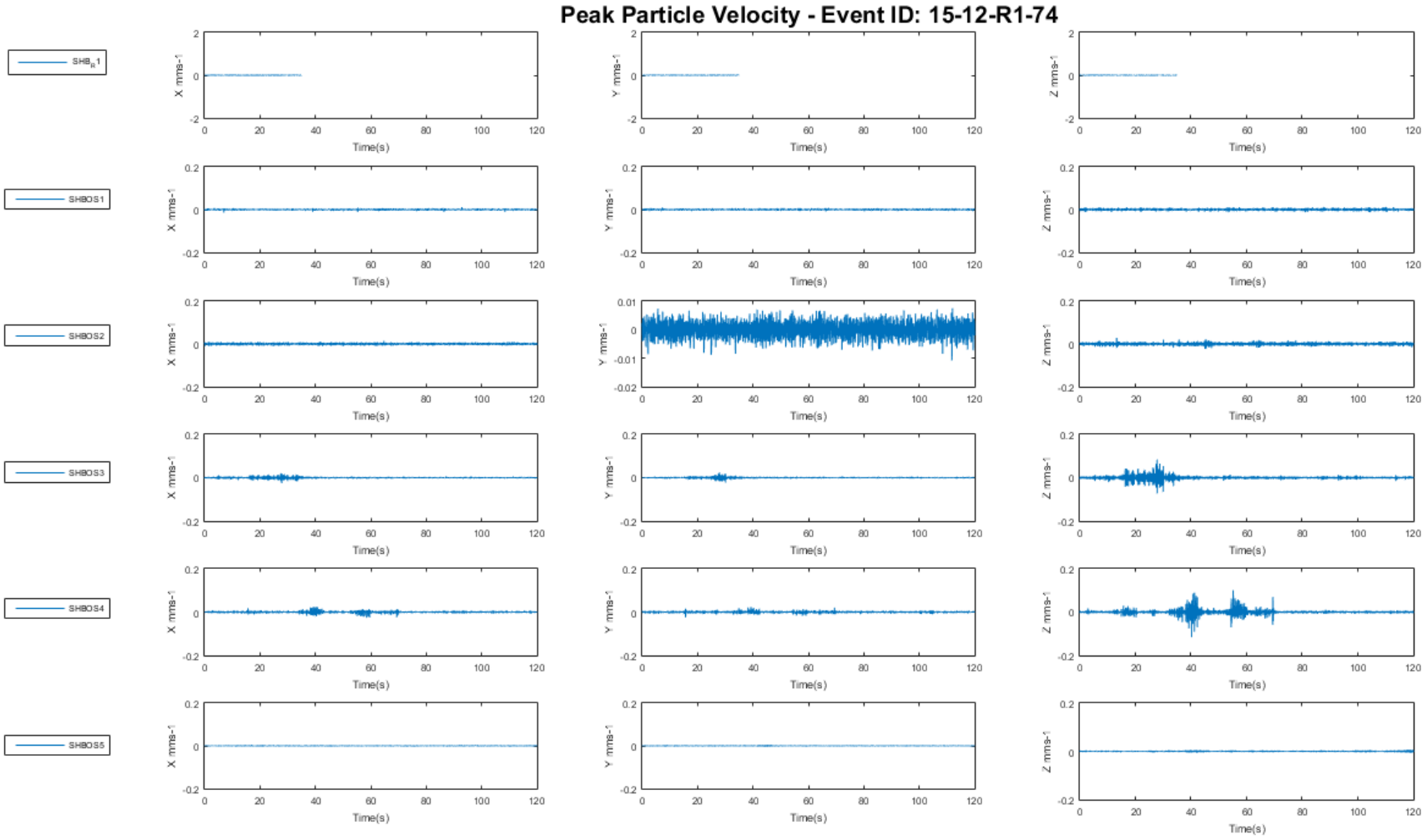


FIGURE 3.1804: SHB_OS 1 - 5 15-12-R1-74

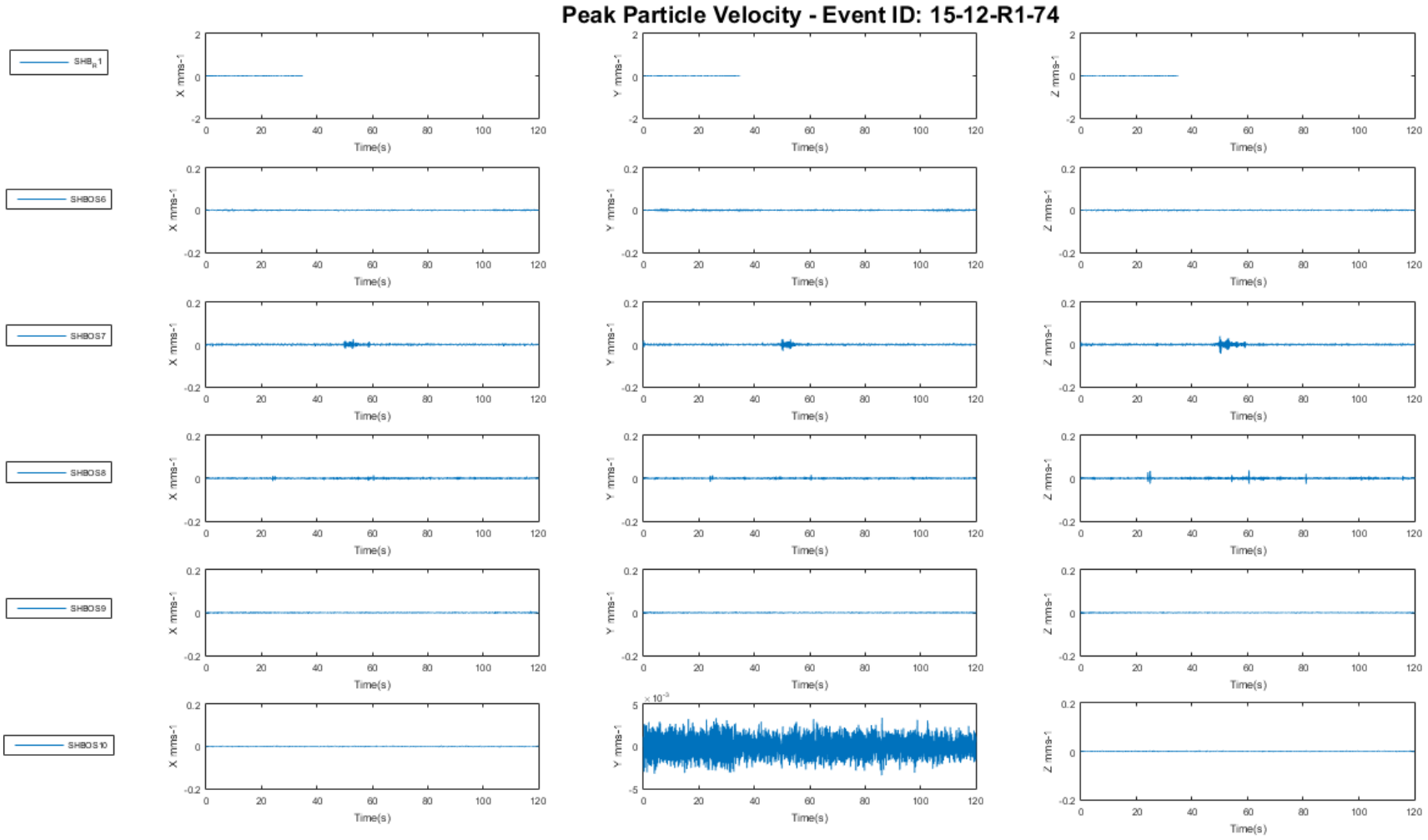


FIGURE 3.1805: SHB_OS 6 - 10 15-12-R1-74

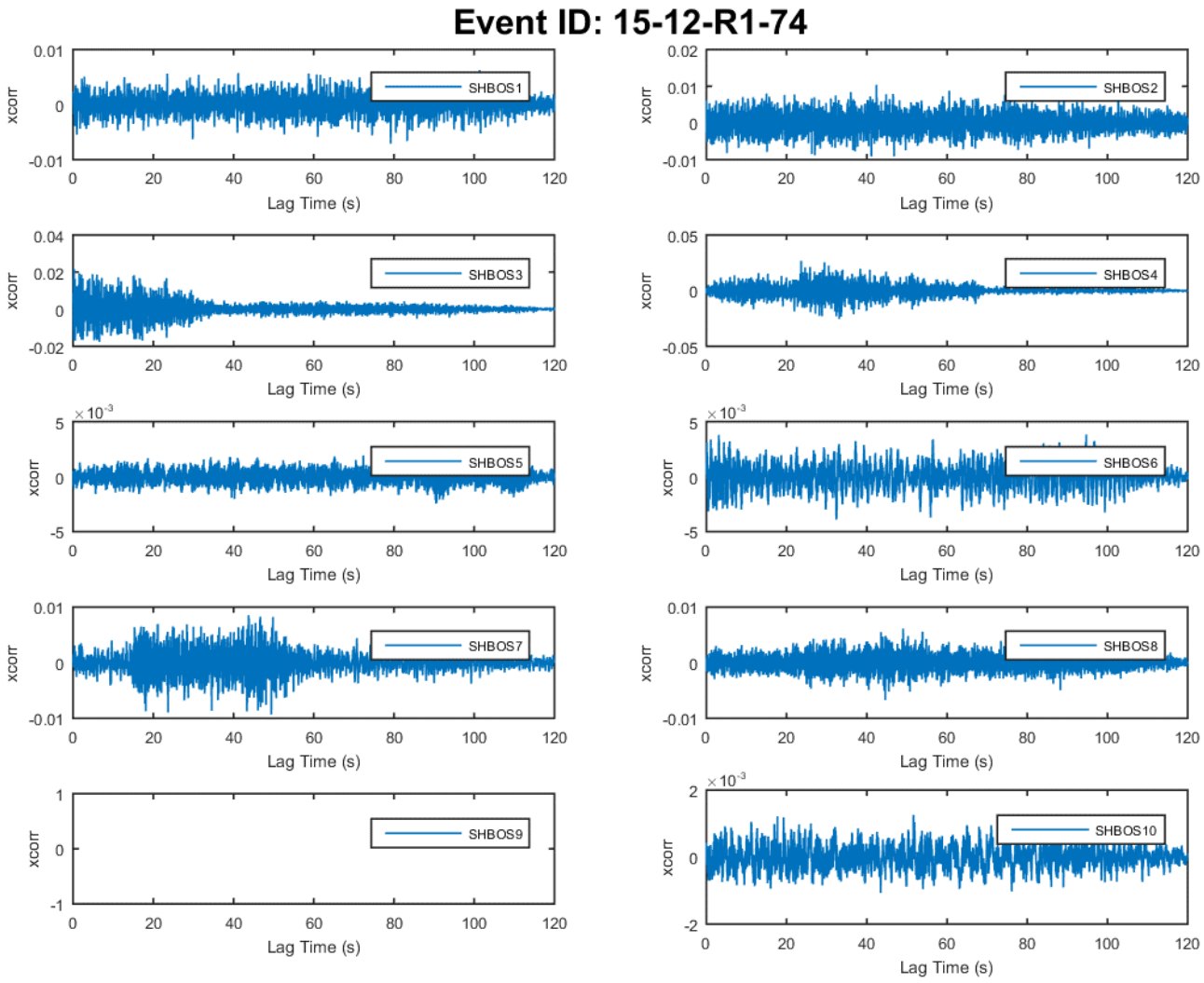


FIGURE 3.1806: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-74

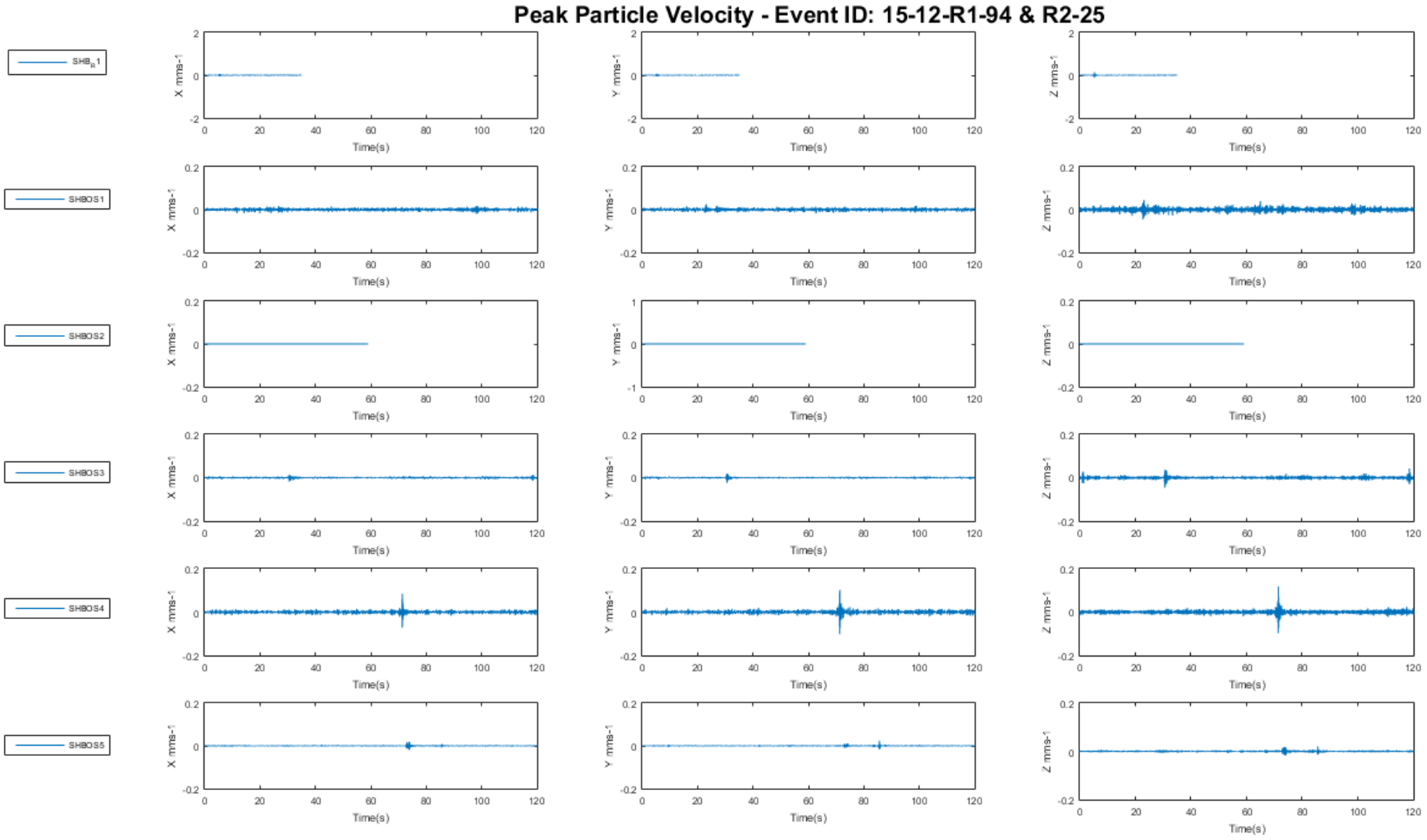


FIGURE 3.1807: SHB_OS 1 - 5 15-12-R1-94 & R2-25

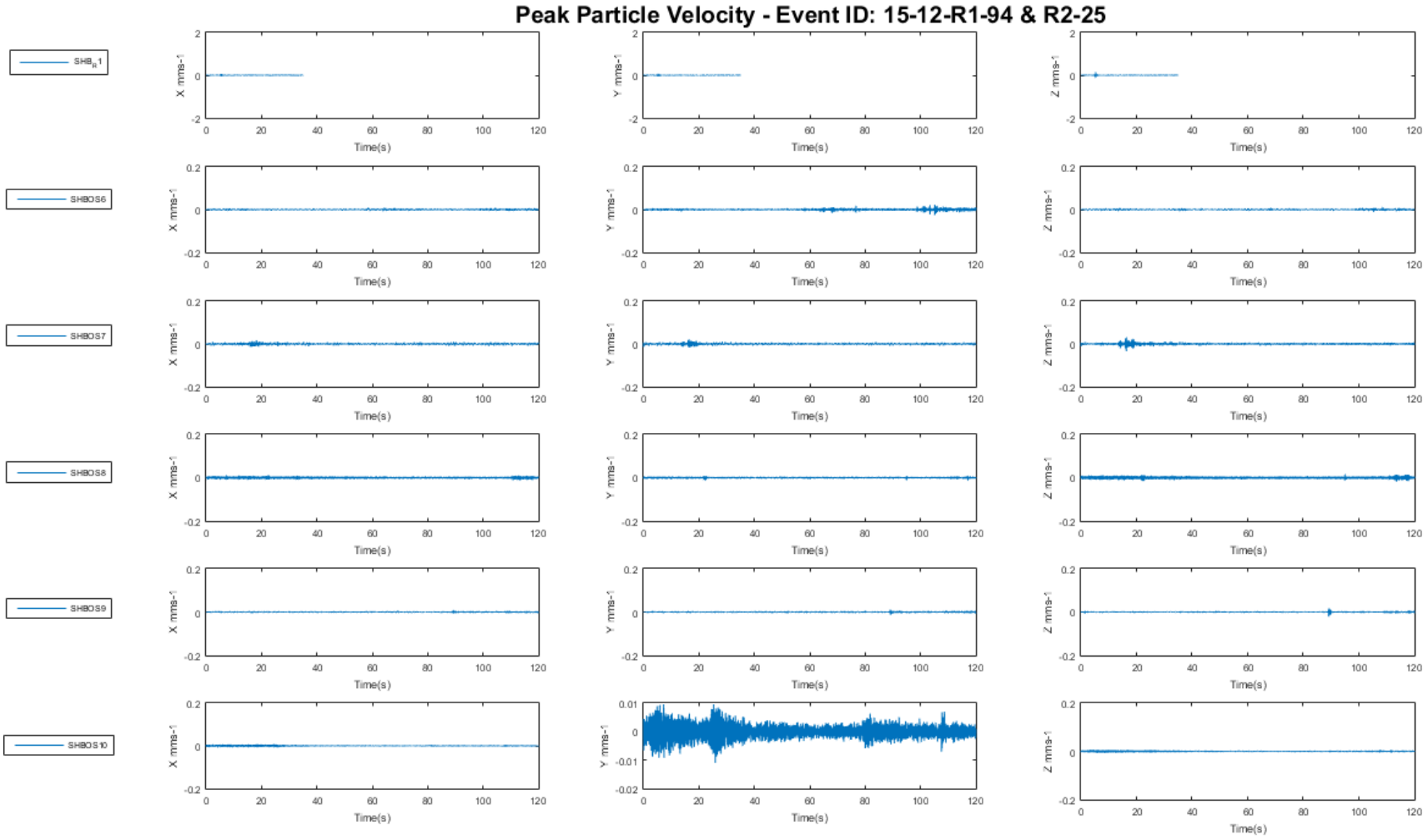


FIGURE 3.1808: SHB_OS 6 - 10 15-12-R1-94 & R2-25

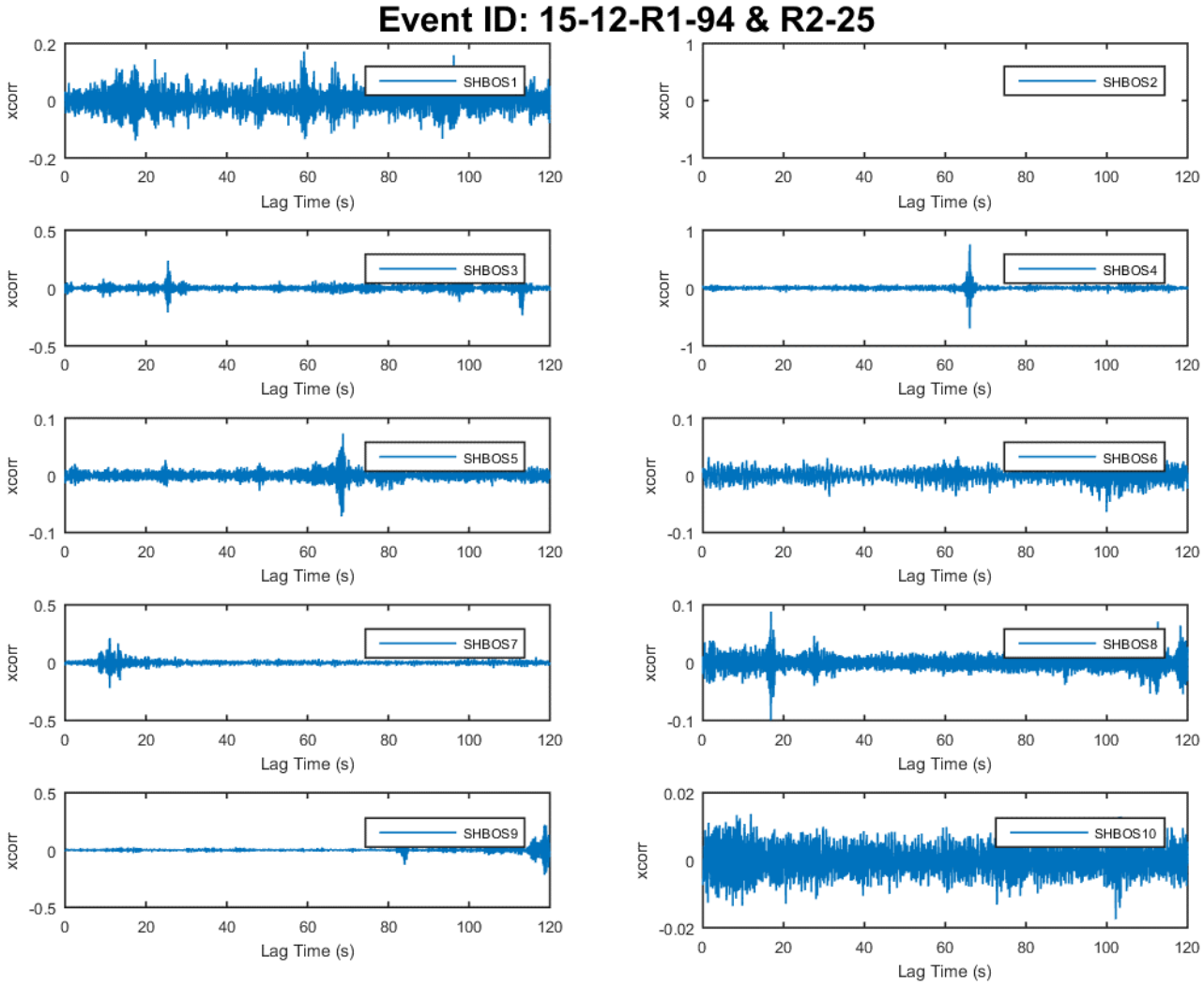


FIGURE 3.1809: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-94 & R2-25

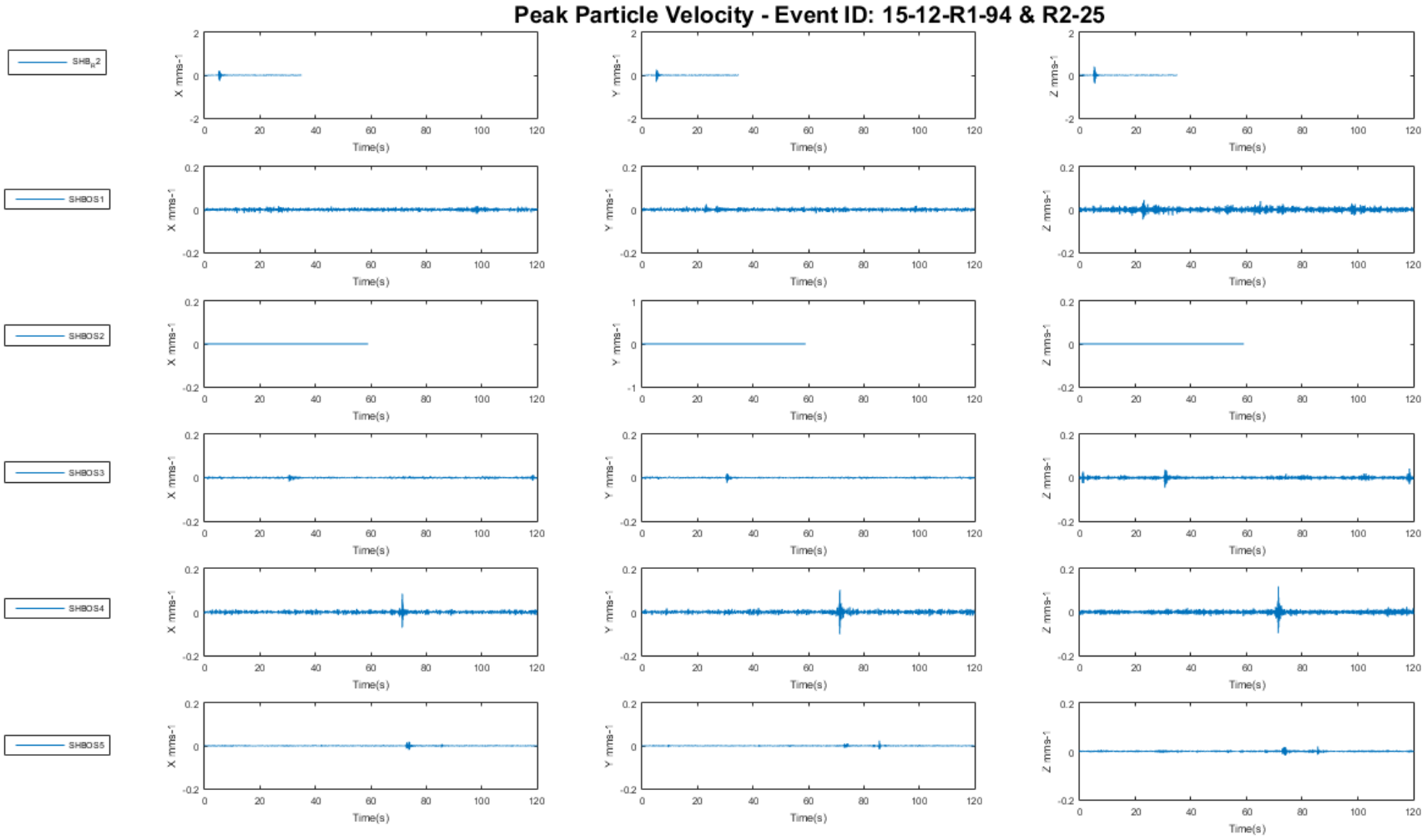


FIGURE 3.1810: SHB_OS 1 - 5 15-12-R1-94 & R2-25

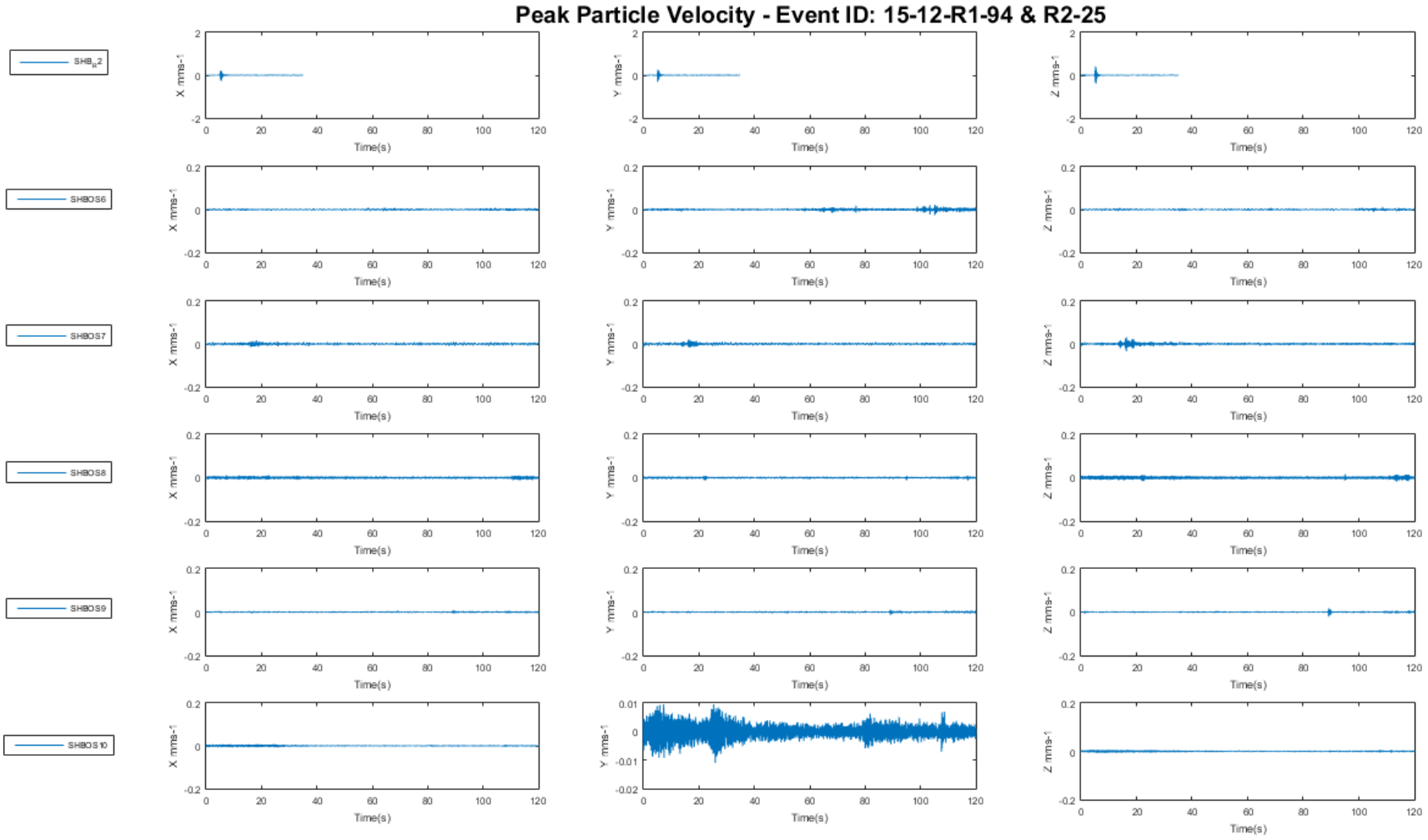


FIGURE 3.1811: SHB_OS 6 - 10 15-12-R1-94 & R2-25

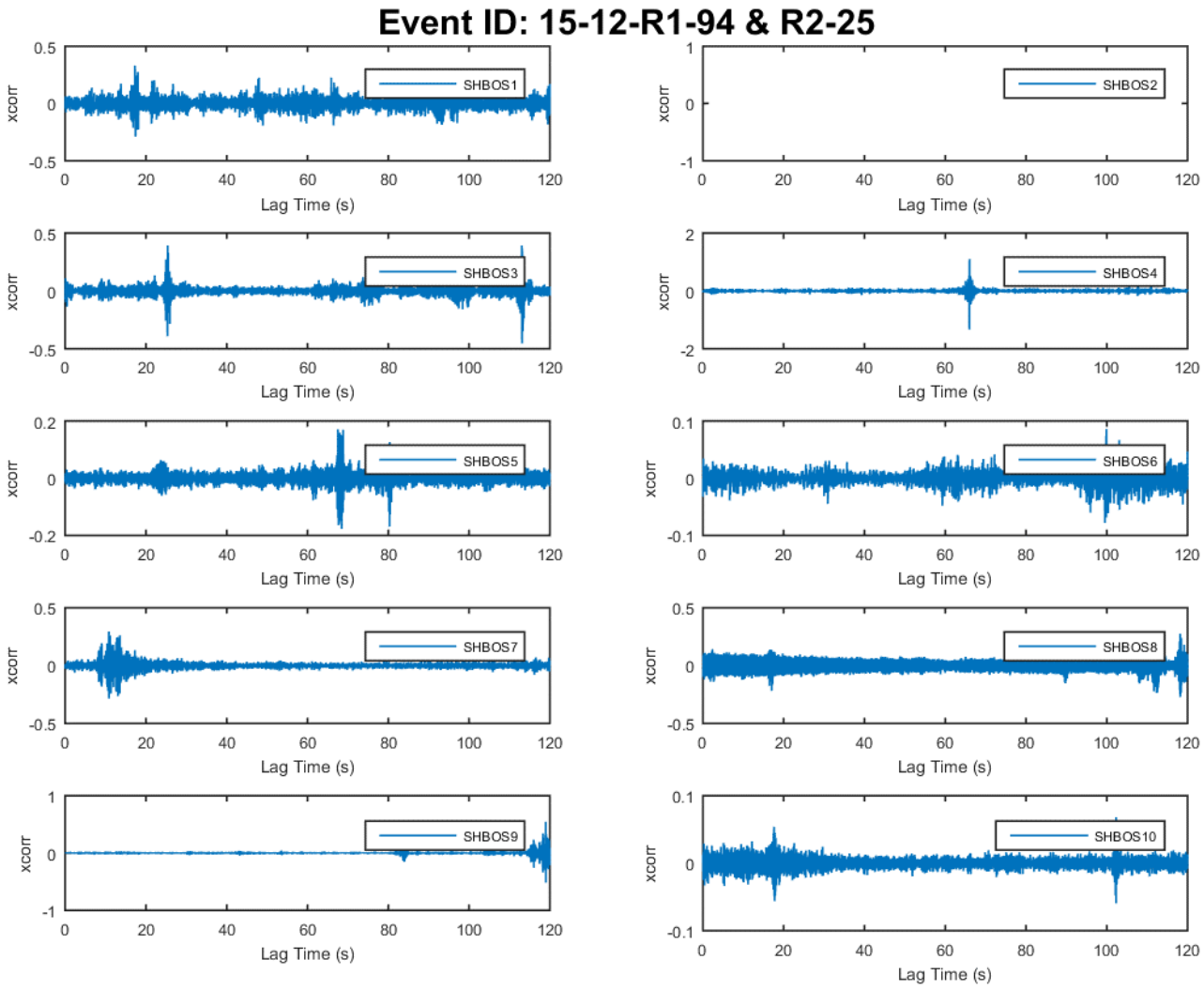


FIGURE 3.1812: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-94 & R2-25

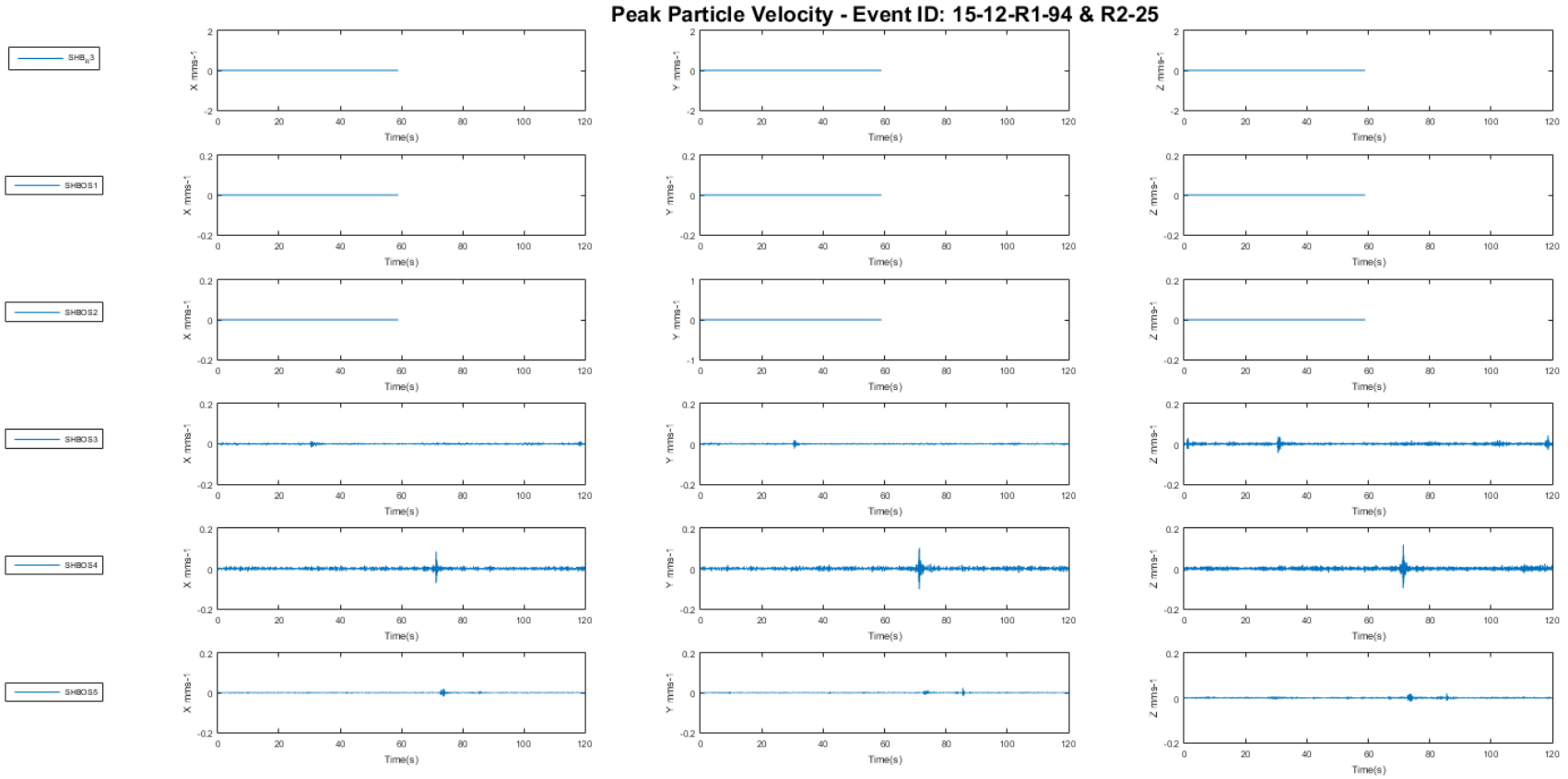
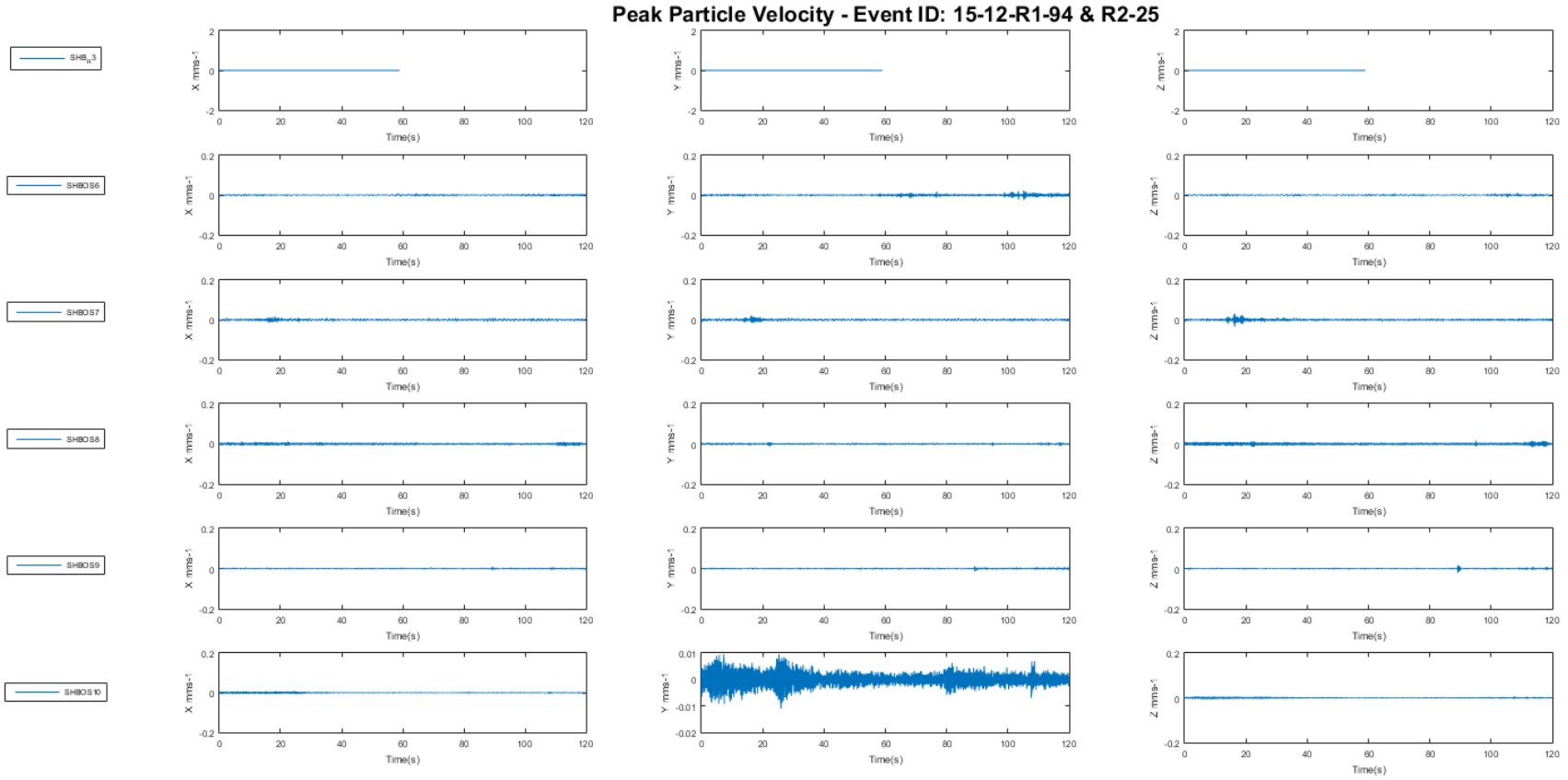


FIGURE 3.1813: SHB_OS 1 - 5 15-12-R1-94 & R2-25

FIGURE 3.1814: SHB_OS 6 - 10 15-12-R1-94 & R2-25



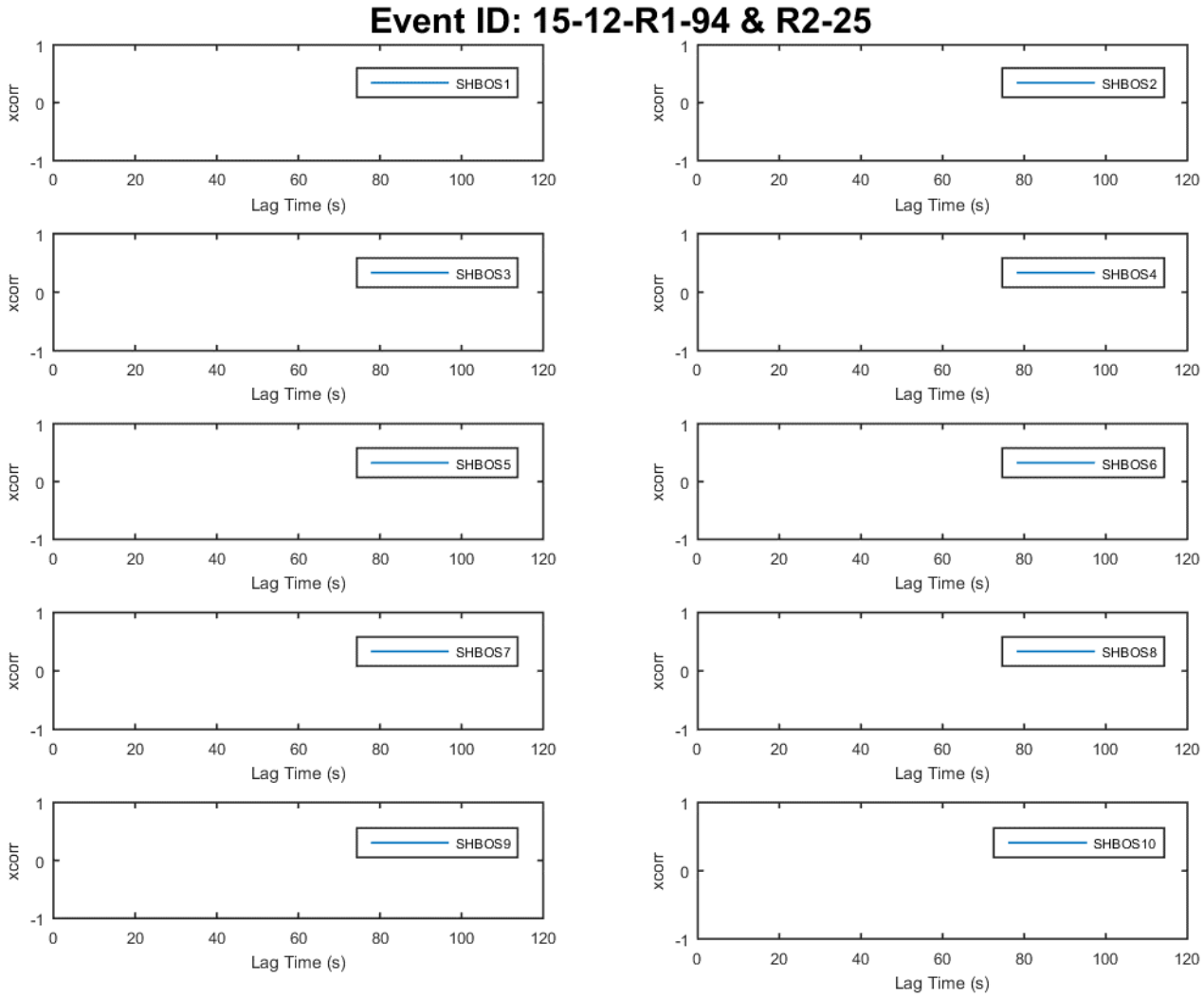


FIGURE 3.1815: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-94 & R2-25

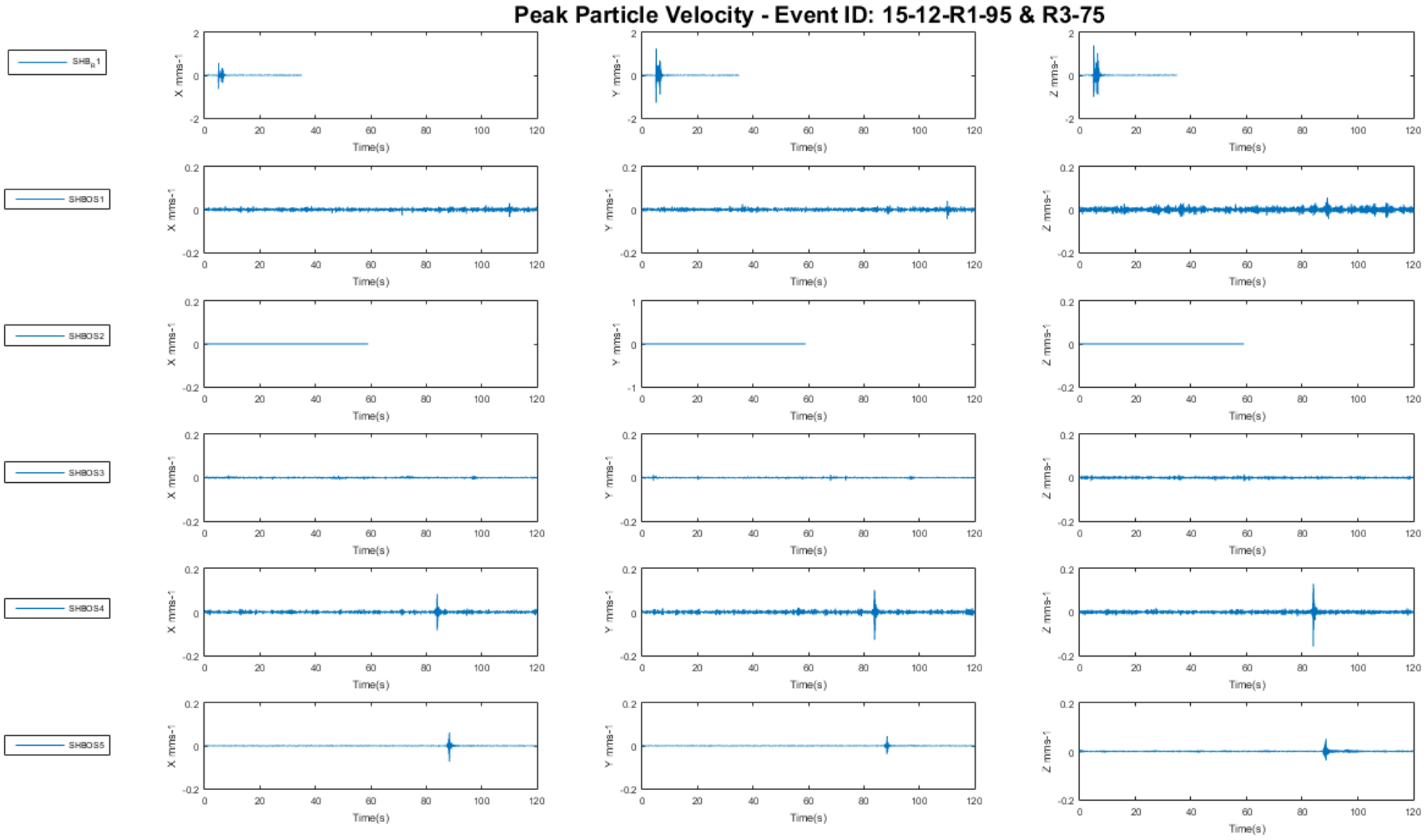


FIGURE 3.1816: SHB_OS 1 - 5 15-12-R1-95 & R3-75

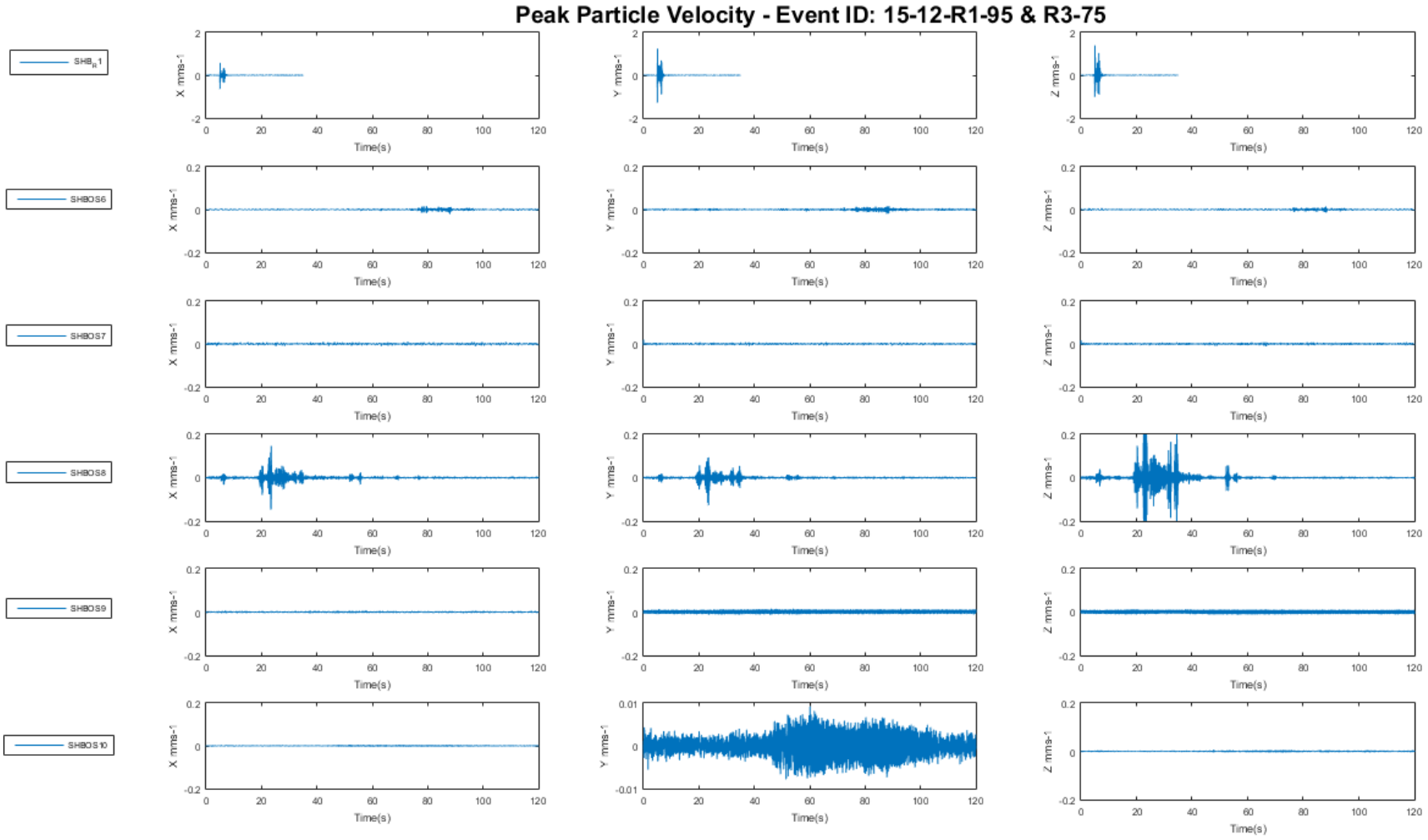


FIGURE 3.1817: SHB_OS 6 - 10 15-12-R1-95 & R3-75

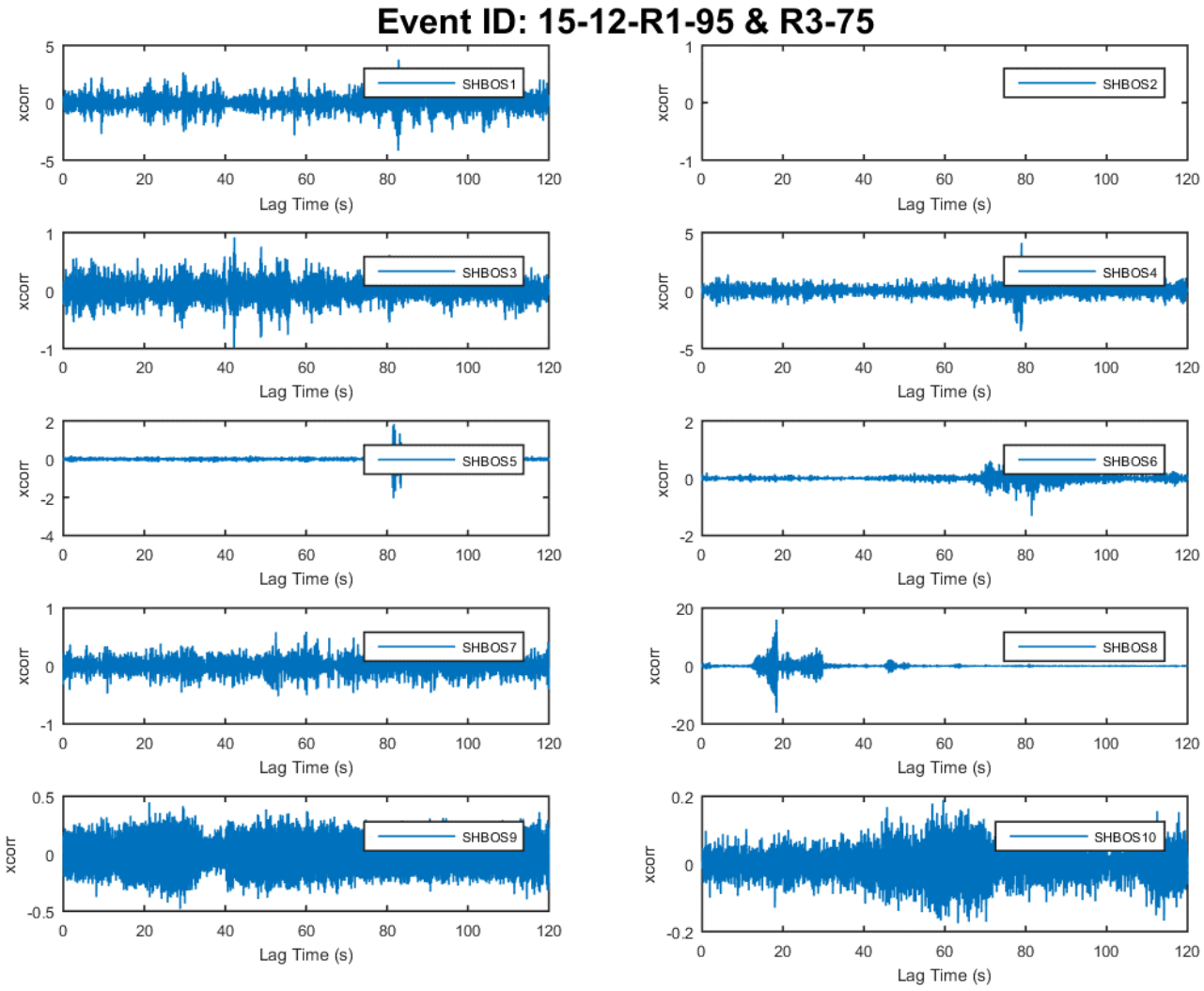


FIGURE 3.1818: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-95 & R3-75

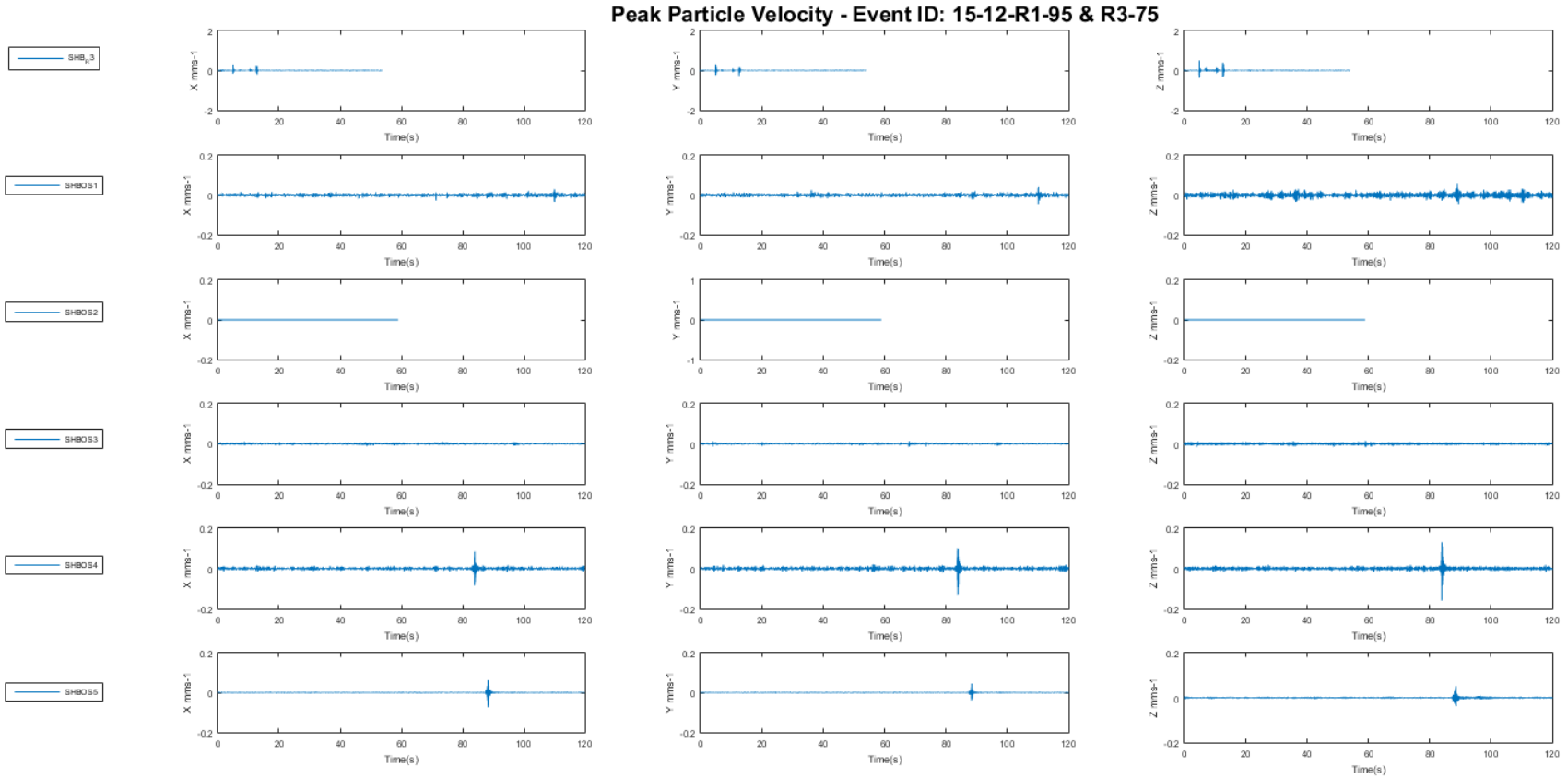
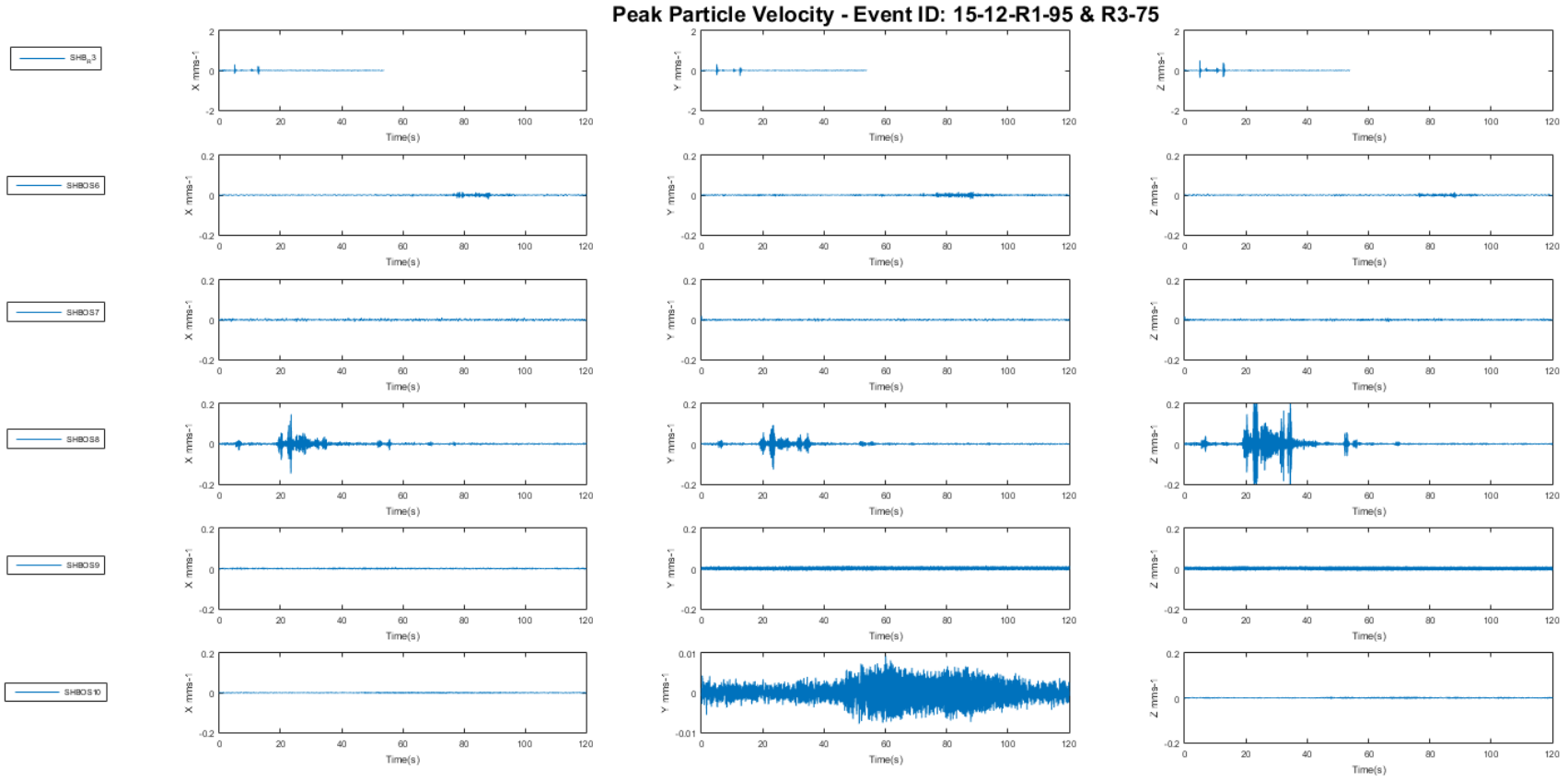


FIGURE 3.1819: SHB_OS 1 - 5 15-12-R1-95 & R3-75

FIGURE 3.1820: SHB_OS 6 - 10 15-12-R1-95 & R3-75



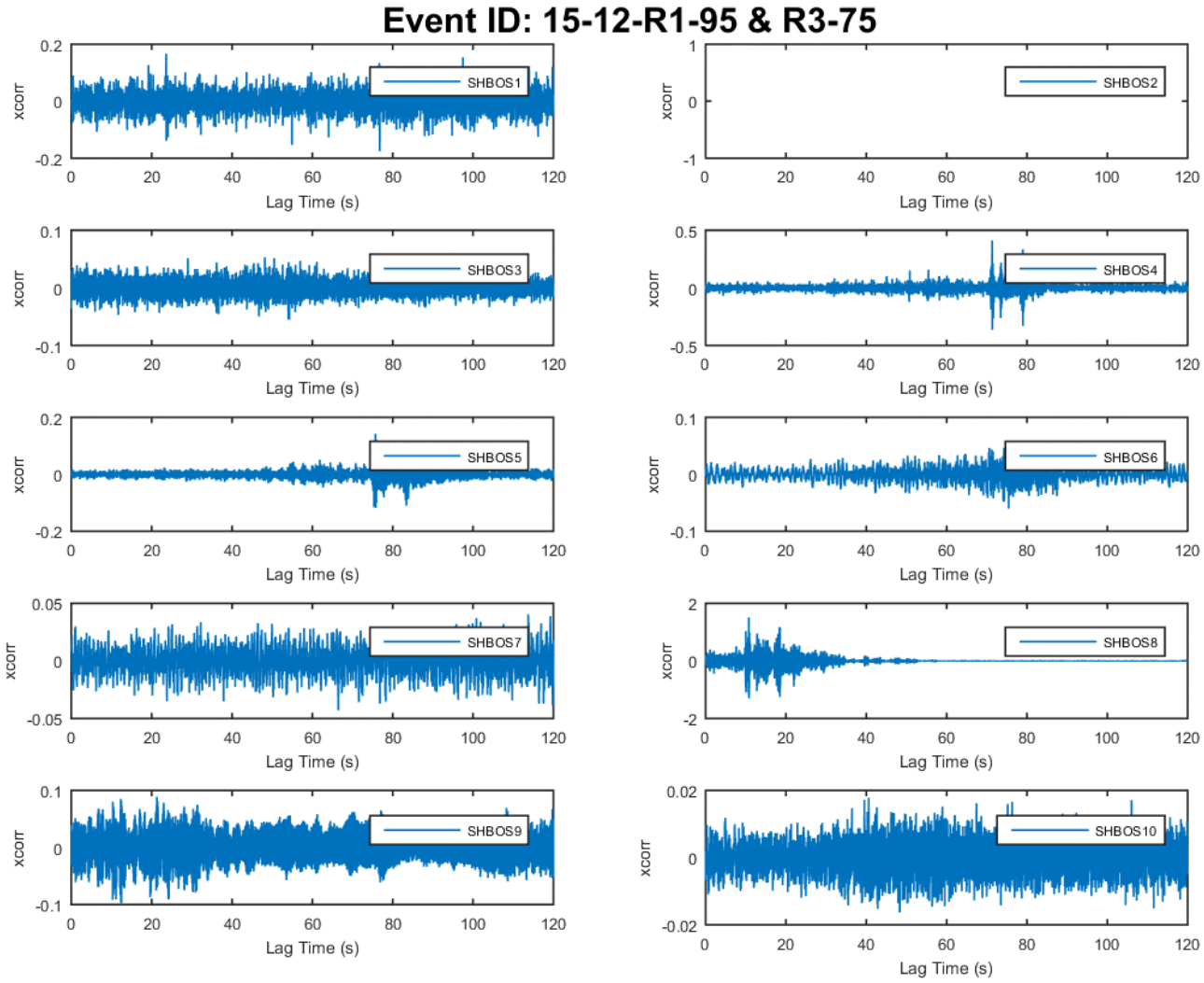


FIGURE 3.1821: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-95 & R3-75

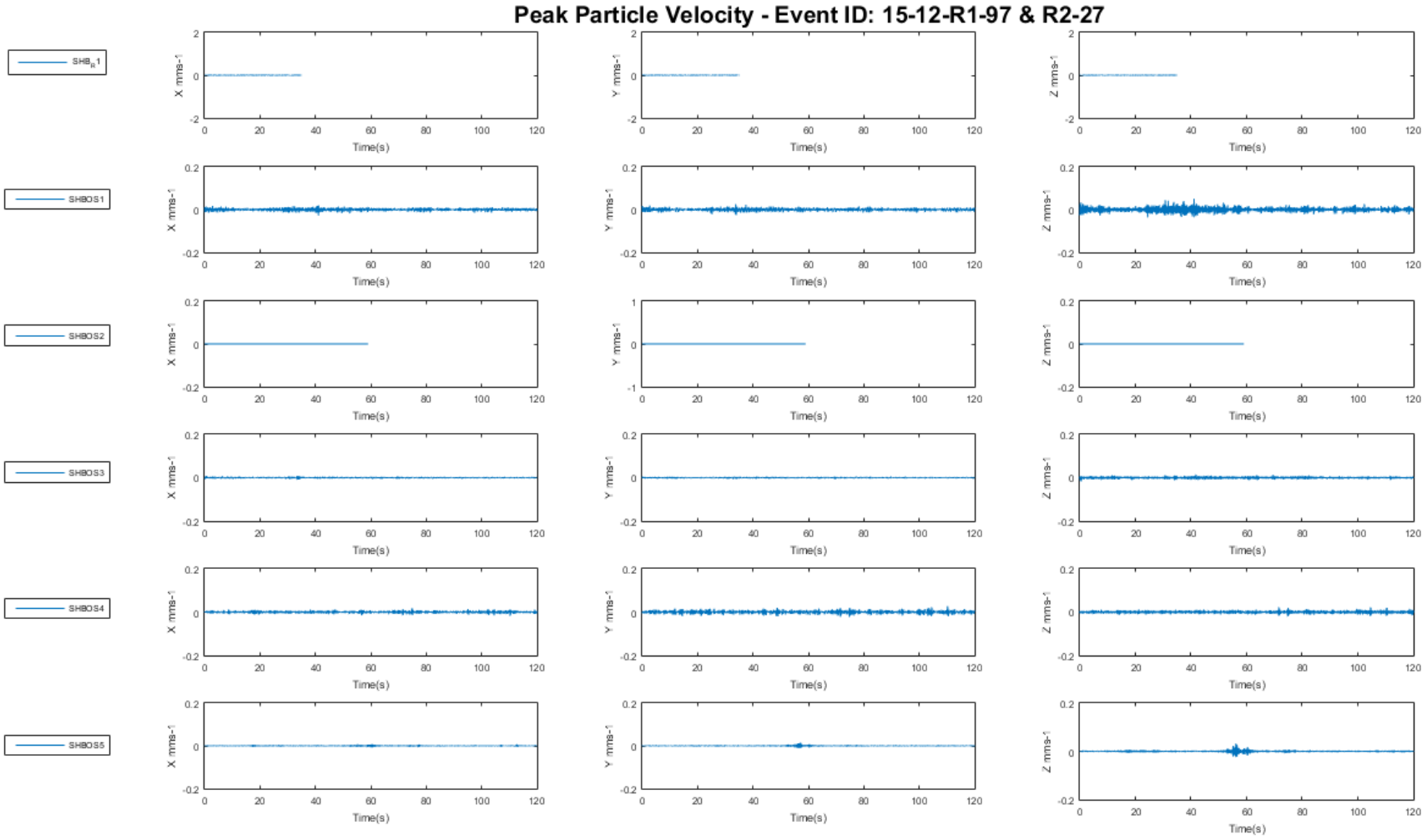


FIGURE 3.1822: SHB_OS 1 - 5 15-12-R1-97 & R2-27

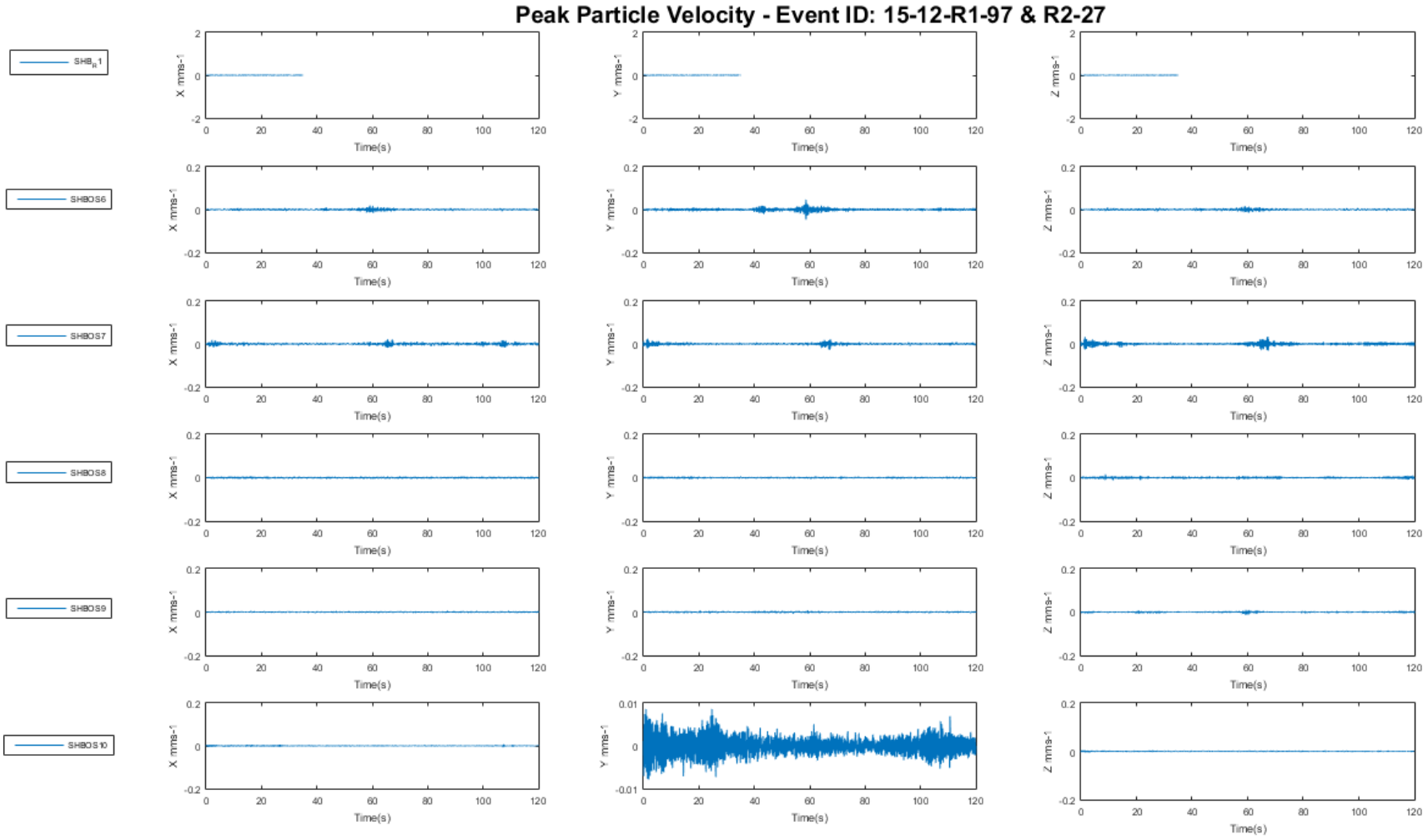


FIGURE 3.1823: SHB_OS 6 - 10 15-12-R1-97 & R2-27

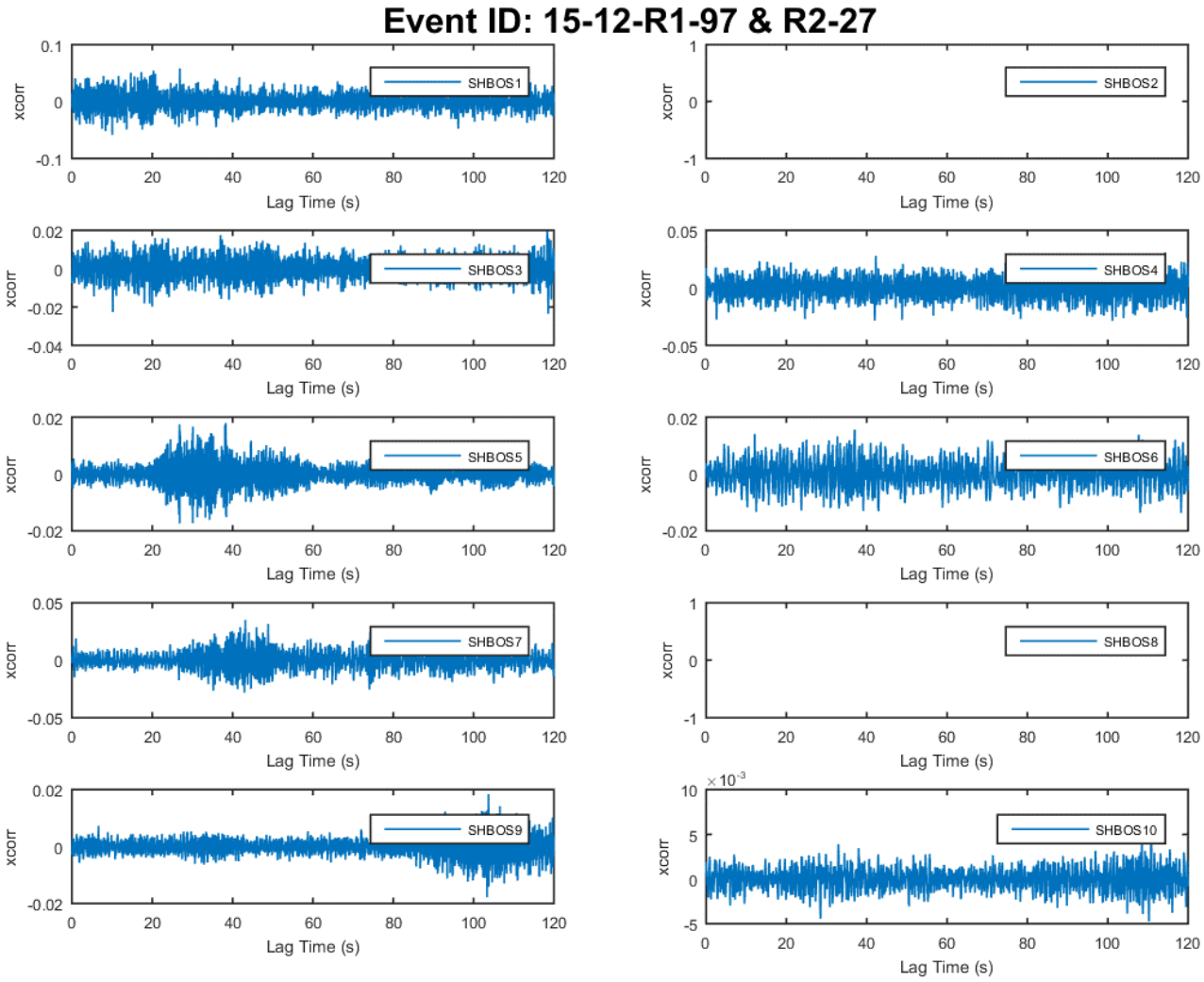


FIGURE 3.1824: CROSS CORRELATION SHB_OS 1 - 10 15-12-R1-97 & R2-27

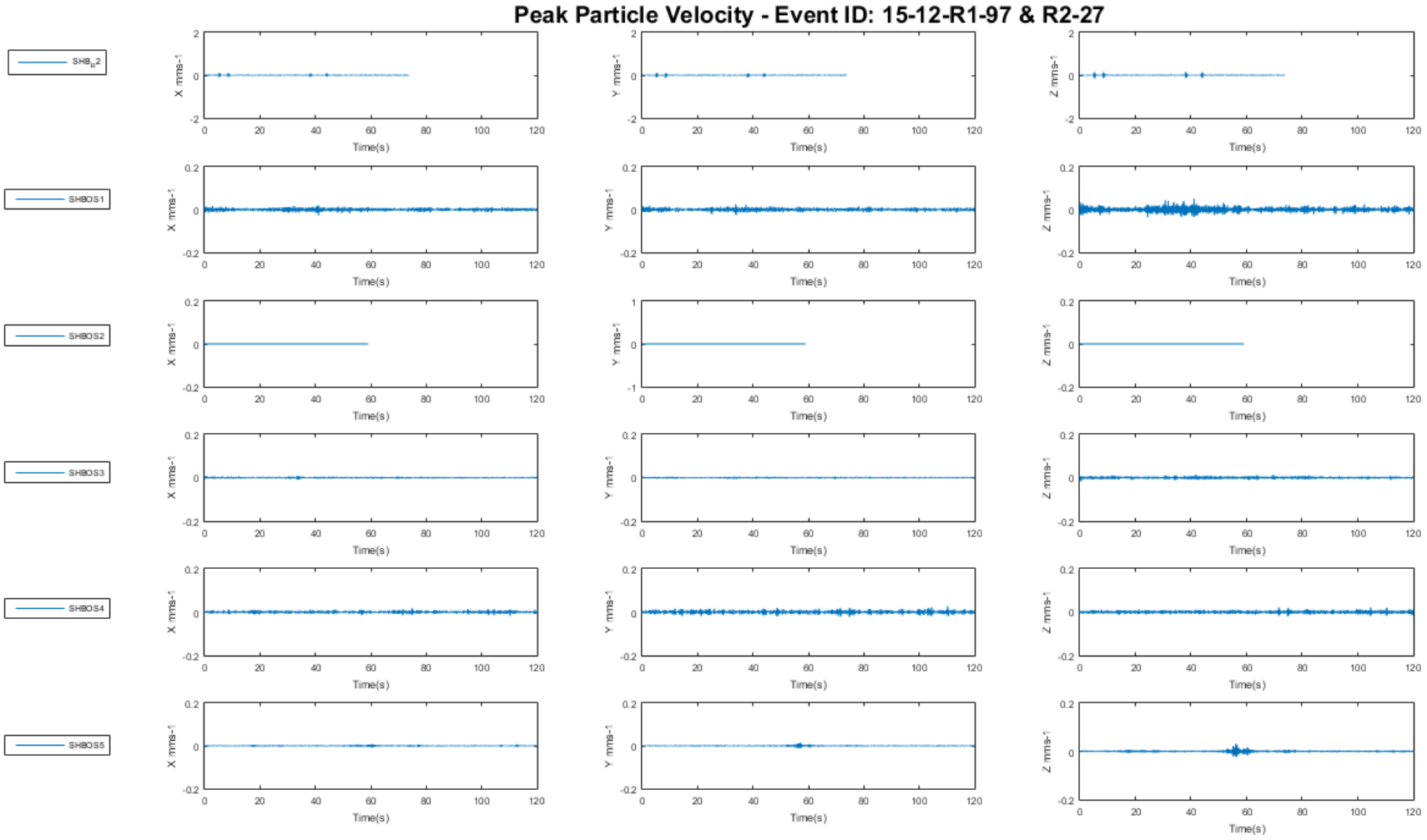
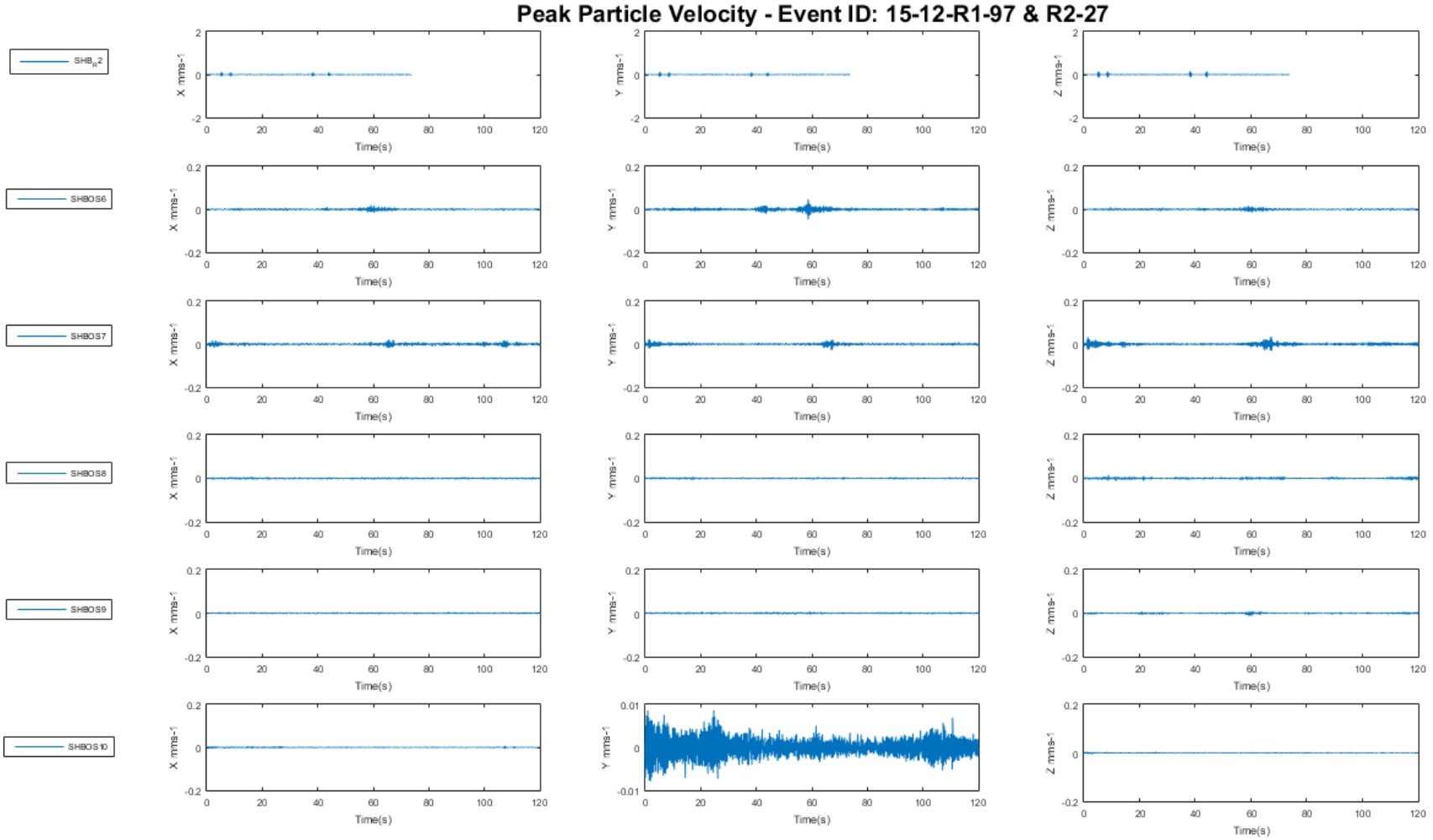


FIGURE 3.1825: SHB_OS 1 - 5 15-12-R1-97 & R2-27


Peak Particle Velocity - Event ID: 15-12-R1-97 & R2-27
SHB_R2
SHBOS6
SHBOS7
SHBOS8
SHBOS9
SHBOS10
X mms-1
Y mms-1
Z mms-1
Time(s)

VOLUME 3: TECHNICAL APPENDICES – RESULTS
CHAPTER 4: FULL MONITORING RESULTS – OFF RANGE MONITORS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
28/06/2015	22:02:00	105	105	93	0.17	2.74	0.07
30/06/2015	10:22:51	104	104	87	0.13	1.23	0.16
30/06/2015	17:50:47	103	103	92	0.04	4.29	0.09
30/06/2015	17:51:48	99	99	85	0.04	5.36	0.02
30/06/2015	19:58:53	103	103	91	0.02	4.80	0.01
02/07/2015	15:51:34	106	106	94	0.06	0.33	0.04
02/07/2015	20:58:23	108	108	94	0.01	0.34	0.01
02/07/2015	22:32:39	109	109	95	0.01	0.70	0.02
03/07/2015	06:16:37	103	103	90	0.03	5.56	0.02
03/07/2015	17:10:44	105	105	93	0.06	17.22	0.03
03/07/2015	19:07:41	100	100	86	0.01	0.66	0.01
03/07/2015	20:49:35	105	105	91	0.02	0.38	0.02
04/07/2015	19:05:51	107	107	94	0.06	0.53	0.01
04/07/2015	19:27:32	105	105	92	0.04	0.86	0.03
04/07/2015	21:19:52	103	103	88	0.02	0.27	0.03
05/07/2015	15:54:34	103	104	92	0.03	0.28	0.02
06/07/2015	11:19:46	103	102	88	0.07	8.01	0.05
06/07/2015	11:29:27	99	97	85	0.14	6.73	0.24
06/07/2015	11:34:53	105	104	89	0.10	0.88	0.11
06/07/2015	19:27:34	99	98	85	0.10	0.40	0.02
06/07/2015	19:31:00	104	104	94	0.07	0.41	0.01
06/07/2015	19:36:18	106	106	94	0.04	0.75	0.01
06/07/2015	22:05:31	105	105	92	0.03	1.36	0.05
07/07/2015	20:28:21	103	102	87	0.54	1.02	0.01
07/07/2015	21:44:13	107	107	94	0.32	1.15	0.01
07/07/2015	21:47:33	112	112	100	0.24	0.46	0.03
08/07/2015	13:16:04	103	103	91	0.09	0.30	0.05
09/07/2015	15:22:03	107	107	96	0.29	0.57	0.07
09/07/2015	21:05:32	109	109	96	0.19	1.48	0.10
09/07/2015	21:49:56	100	100	87	0.17	1.01	0.05
10/07/2015	16:27:10	98	98	86	0.16	3.37	0.05
10/07/2015	17:04:42	96	96	86	0.11	3.01	0.02
10/07/2015	18:35:56	101	101	87	0.18	0.45	0.04
10/07/2015	21:52:02	96	96	85	0.10	0.25	0.02
11/07/2015	05:37:12	90	89	85	0.06	0.60	0.03
11/07/2015	06:07:58	112	112	99	0.05	1.00	0.03
11/07/2015	06:30:46	110	110	95	0.07	0.65	0.01
11/07/2015	06:42:05	109	108	95	0.06	0.95	0.01
11/07/2015	07:12:11	105	105	92	0.06	0.59	0.02
11/07/2015	07:20:16	102	102	90	0.06	1.21	0.02
11/07/2015	07:32:46	102	102	90	0.06	0.66	0.03
11/07/2015	07:35:44	110	109	99	0.07	0.43	0.03
11/07/2015	07:40:39	97	97	89	0.05	0.43	0.04
11/07/2015	08:06:45	103	103	89	0.06	0.62	0.01
11/07/2015	08:21:07	109	109	95	0.06	0.59	0.04
11/07/2015	08:57:09	110	110	98	0.06	0.83	0.04
11/07/2015	09:08:41	111	111	97	0.10	1.28	0.03
11/07/2015	09:22:16	109	109	96	0.08	0.77	0.03
11/07/2015	09:59:38	101	100	86	0.07	0.32	0.03

TABLE 4.1: SHB_OS1 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
11/07/2015	09:59:38	101	100	86	0.07	0.32	0.03
11/07/2015	10:04:05	111	111	97	0.14	0.62	0.03
11/07/2015	10:10:13	105	105	92	0.09	0.46	0.06
11/07/2015	10:14:55	108	108	96	0.07	0.41	0.02
11/07/2015	10:22:16	107	107	95	0.11	0.41	0.02
11/07/2015	13:00:51	97	97	88	0.15	1.11	0.06
11/07/2015	13:33:45	100	100	87	0.15	0.74	0.06
11/07/2015	13:37:00	106	106	93	0.19	0.46	0.03
11/07/2015	13:47:01	106	106	93	0.11	0.50	0.02
11/07/2015	14:59:41	108	108	94	0.26	0.60	0.02
11/07/2015	16:03:35	101	101	87	0.40	1.10	0.02
11/07/2015	17:01:30	109	109	95	0.22	0.74	0.03
11/07/2015	17:37:08	97	96	86	0.32	0.75	0.03
11/07/2015	18:24:45	101	101	89	1.38	0.60	0.06
11/07/2015	19:41:55	104	104	92	0.61	2.99	0.05
11/07/2015	20:23:35	108	108	92	0.37	0.70	0.01
11/07/2015	20:24:48	100	100	88	0.28	0.51	0.04
11/07/2015	20:26:08	99	99	86	0.26	2.13	0.01
11/07/2015	20:40:00	107	107	93	0.24	1.20	0.03
11/07/2015	21:29:08	100	100	87	0.22	0.46	0.01
12/07/2015	06:40:32	108	108	94	0.24	3.17	0.01
12/07/2015	06:43:46	106	106	93	0.17	4.36	0.01
12/07/2015	06:46:48	103	103	89	0.20	3.42	0.01
12/07/2015	06:48:05	105	105	93	0.19	0.32	0.01
12/07/2015	06:53:20	113	113	100	0.18	0.34	0.02
12/07/2015	06:59:05	114	114	104	0.20	2.45	0.01
12/07/2015	07:01:51	113	113	101	0.17	3.24	0.01
12/07/2015	07:27:42	110	110	98	0.15	0.79	0.03
12/07/2015	08:06:08	105	105	91	0.23	0.41	0.03
12/07/2015	08:07:47	102	97	86	0.16	0.41	0.02
12/07/2015	09:10:01	110	110	98	0.13	4.04	0.02
12/07/2015	10:49:36	103	103	91	0.14	0.40	0.10
12/07/2015	10:55:28	109	109	94	0.14	0.41	0.03
12/07/2015	11:34:10	102	102	88	0.13	0.51	0.02
12/07/2015	13:04:59	110	110	98	0.21	0.36	0.04
18/07/2015	06:49:11	103	103	91	0.27	0.42	0.03
18/07/2015	07:45:09	97	97	86	0.15	0.30	0.07
18/07/2015	07:48:18	99	99	86	0.21	0.36	0.04
18/07/2015	12:41:26	95	95	86	0.24	0.36	0.02
20/07/2015	13:58:25	99	99	86	0.14	0.79	0.02
20/07/2015	18:59:33	102	96	86	0.24	1.12	0.02
21/07/2015	17:04:03	102	101	88	0.37	0.39	0.02
21/07/2015	20:24:30	101	101	88	0.53	0.73	0.02
21/07/2015	20:26:29	108	109	98	0.49	0.36	0.07
22/07/2015	15:11:33	103	94	85	0.30	0.34	0.02
22/07/2015	19:29:29	106	106	94	0.33	0.36	0.02
23/07/2015	17:16:18	102	102	88	0.31	0.53	0.04
23/07/2015	18:27:59	103	103	90	0.44	0.53	0.03
23/07/2015	21:29:07	98	98	86	0.46	0.29	0.05

TABLE 4.1 CTD: SHB_OS1 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
24/07/2015	18:19:00	113	113	102	0.24	0.32	0.09
25/07/2015	18:36:53	101	101	88	0.43	0.74	0.02
26/07/2015	07:29:05	97	97	88	0.26	0.44	0.02
26/07/2015	14:56:26	104	102	89	0.10	0.31	0.07
26/07/2015	15:19:01	108	106	92	0.15	0.42	0.02
26/07/2015	15:22:06	112	111	103	0.13	1.02	0.07
26/07/2015	17:34:55	111	106	93	0.07	0.56	0.07
27/07/2015	11:09:26	96	95	85	0.24	0.36	0.02
27/07/2015	15:36:51	110	110	100	0.10	6.14	0.04
27/07/2015	15:38:47	109	109	96	0.10	0.88	0.02
27/07/2015	15:39:57	107	107	95	0.12	1.90	0.02
27/07/2015	18:24:42	105	96	85	0.14	0.23	0.02
27/07/2015	19:02:45	105	105	93	1.55	0.20	0.05
27/07/2015	20:36:08	113	113	100	0.13	0.62	0.05
27/07/2015	23:38:34	114	114	93	0.03	0.44	0.03
28/07/2015	06:20:36	96	95	87	0.02	0.50	0.01
28/07/2015	07:51:50	104	103	96	0.02	0.31	0.02
28/07/2015	08:56:51	107	106	98	0.02	0.39	0.10
28/07/2015	09:40:02	98	97	89	0.02	0.58	0.05
28/07/2015	11:46:09	105	104	95	0.02	0.52	0.05
28/07/2015	13:11:28	106	106	94	0.02	0.37	0.02
28/07/2015	16:01:36	106	106	92	0.04	0.41	0.03
28/07/2015	18:35:23	108	108	95	0.04	0.31	0.02
28/07/2015	18:37:58	105	105	92	0.04	0.34	0.05
29/07/2015	21:05:49	100	100	86	0.02	0.68	0.02
30/07/2015	13:50:38	106	105	90	0.15	0.40	0.02
30/07/2015	16:45:44	103	103	90	0.02	0.46	0.34
30/07/2015	17:56:51	101	101	88	0.02	0.43	0.24
30/07/2015	20:08:35	102	102	87	0.02	0.26	0.11
31/07/2015	06:13:46	103	103	90	0.02	0.28	0.09
31/07/2015	07:21:25	109	108	100	0.02	0.44	0.11
31/07/2015	17:56:31	99	99	87	0.02	0.27	0.09
31/07/2015	19:27:34	112	111	99	0.07	0.27	0.09
31/07/2015	19:29:09	105	105	93	0.03	0.34	0.09
31/07/2015	20:12:36	107	107	94	0.02	0.47	0.22
31/07/2015	20:56:36	110	109	98	0.03	0.26	0.37
31/07/2015	21:04:52	108	108	92	0.02	0.34	0.37
31/07/2015	21:06:10	107	107	95	0.01	0.30	0.30
31/07/2015	21:07:48	105	105	94	0.01	0.32	0.27
31/07/2015	21:09:42	112	111	99	0.02	0.48	0.51
31/07/2015	21:13:43	111	111	100	0.04	0.40	0.93
02/08/2015	17:38:00	97	96	86	0.01	0.01	0.01
03/08/2015	15:25:29	105	105	92	0.02	0.01	0.03
03/08/2015	18:22:03	100	100	85	0.01	0.01	0.01
03/08/2015	18:30:38	101	101	85	0.01	0.01	0.01
07/08/2015	15:10:48	109	108	92	0.03	0.01	0.03
08/08/2015	19:05:29	103	103	89	0.01	0.01	0.01
08/08/2015	19:12:42	105	105	91	0.01	0.01	0.01
08/08/2015	19:24:20	108	107	92	0.02	0.01	0.01

TABLE 4.1 CTD: SHB_OS1 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
11/08/2015	08:36:05	103	103	89	0.00	0.01	0.01
17/08/2015	13:37:52	109	109	93	0.01	0.01	0.02
20/08/2015	08:06:20	102	100	87	0.01	0.01	0.01
22/08/2015	14:48:50	109	107	90	0.09	0.03	0.07
22/08/2015	17:29:30	100	100	85	0.01	0.01	0.01
27/08/2015	15:09:25	101	100	87	0.01	0.01	0.01
27/08/2015	16:17:39	108	107	90	0.02	0.02	0.07
28/08/2015	13:00:37	103	103	89	0.05	0.02	0.05
28/08/2015	16:00:51	101	100	85	0.01	0.01	0.01
08/09/2015	10:29:22	102	102	88	0.01	0.01	0.01
09/09/2015	17:44:21	100	100	85	0.01	0.01	0.03
20/09/2015	10:18:00	108	108	95	0.01	0.01	0.02
20/09/2015	17:06:10	103	103	89	0.01	0.01	0.02
30/09/2015	15:24:15	109	106	90	0.01	0.01	0.03
03/10/2015	16:08:58	111	111	95	0.01	0.01	0.02
05/10/2015	13:31:49	114	114	97	0.36	0.38	0.92
07/10/2015	08:41:08	102	102	88	0.01	0.01	0.01
09/10/2015	12:10:49	97	97	86	0.01	0.01	0.02
12/10/2015	08:20:30	102	102	87	0.01	0.01	0.01
12/10/2015	09:55:56	99	99	87	0.01	0.01	0.01
14/10/2015	08:58:16	103	99	86	0.01	0.01	0.03
15/10/2015	10:40:13	106	104	88	0.01	0.01	0.02
17/10/2015	14:45:49	104	102	87	0.16	0.07	0.11
19/10/2015	08:34:54	101	101	88	0.01	0.01	0.03
20/10/2015	08:16:52	104	100	88	0.01	0.01	0.01
21/10/2015	11:27:06	105	103	91	0.01	0.02	0.01
23/10/2015	12:55:03	111	109	90	0.03	0.03	0.08
23/10/2015	13:14:37	106	106	97	0.02	0.03	0.05
23/10/2015	16:45:58	103	103	85	0.01	0.01	0.02
24/10/2015	08:37:05	99	99	86	0.01	0.01	0.01
24/10/2015	15:26:36	98	97	86	0.01	0.00	0.01
29/10/2015	07:59:51	101	100	85	0.01	0.02	0.04
29/10/2015	10:22:04	103	103	89	0.01	0.02	0.02
30/10/2015	09:22:15	102	102	87	0.01	0.01	0.02
31/10/2015	08:50:46	105	103	89	0.01	0.01	0.01
31/10/2015	10:40:53	104	101	87	0.01	0.01	0.01
31/10/2015	17:11:29	122	122	94	0.02	0.01	0.01
31/10/2015	17:20:10	121	120	94	0.01	0.01	0.02
31/10/2015	17:27:29	122	122	94	0.02	0.01	0.01
31/10/2015	21:30:13	116	115	87	0.01	0.00	0.01
31/10/2015	21:33:13	114	114	87	0.01	0.01	0.04
31/10/2015	21:36:44	117	117	89	0.01	0.02	0.05
03/11/2015	16:17:31	104	104	89	0.01	0.01	0.01
03/11/2015	20:32:10	109	108	85	0.01	0.01	0.02
04/11/2015	07:49:32	104	104	91	0.01	0.01	0.04
05/11/2015	08:05:28	101	100	87	0.03	0.04	0.10
05/11/2015	09:26:35	93	92	87	0.02	0.01	0.02
06/11/2015	21:17:58	126	125	99	0.02	0.01	0.02
07/11/2015	19:29:34	117	116	89	0.01	0.01	0.01

TABLE 4.1 CTD: SHB_OS1 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
07/11/2015	19:33:27	122	122	96	0.04	0.03	0.11
07/11/2015	20:38:18	111	112	86	0.01	0.01	0.01
08/11/2015	13:01:56	109	108	87	0.01	0.02	0.03
08/11/2015	17:47:17	120	119	89	0.01	0.02	0.04
11/11/2015	08:07:16	103	103	89	0.02	0.02	0.07
11/11/2015	10:47:11	102	102	87	0.01	0.01	0.01
11/11/2015	22:07:49	100	99	87	0.02	0.02	0.05
13/11/2015	08:02:05	100	99	86	0.02	0.01	0.03
20/11/2015	08:52:30	101	101	89	0.01	0.01	0.01
21/11/2015	09:57:26	106	100	85	0.02	0.02	0.01
21/11/2015	10:54:08	111	105	87	0.11	0.02	0.03
23/11/2015	08:10:37	103	99	85	0.01	0.02	0.04
23/11/2015	10:12:41	102	100	86	0.01	0.01	0.01
25/11/2015	08:40:34	103	102	88	0.01	0.01	0.01
25/11/2015	10:56:47	104	104	90	0.02	0.02	0.06
25/11/2015	22:28:56	106	106	87	0.01	0.02	0.03
26/11/2015	09:27:05	101	100	87	0.01	0.01	0.01
28/11/2015	09:14:19	99	99	86	0.01	0.01	0.01
04/12/2015	09:46:28	99	99	87	0.01	0.01	0.01
04/12/2015	11:03:04	104	104	90	0.01	0.01	0.04
05/12/2015	09:28:27	110	102	87	0.04	0.02	0.02
05/12/2015	11:15:48	110	104	89	0.05	0.01	0.02
07/12/2015	11:29:52	104	104	89	0.02	0.03	0.08
08/12/2015	14:12:00	102	101	89	0.01	0.01	0.01
10/12/2015	10:13:04	109	104	88	0.10	0.04	0.07
11/12/2015	16:20:22	102	102	88	0.01	0.01	0.01
12/12/2015	10:57:00	102	102	88	0.01	0.01	0.01
18/12/2015	22:17:42	116	116	87	0.01	0.01	0.02
19/12/2015	20:50:54	105	105	87	0.03	0.01	0.03
21/12/2015	12:10:23	103	100	88	0.02	0.02	0.04

TABLE 4.1 CTD: SHB_OS1 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
27/07/2015	18:52:20	109	108	91	0.01	0.03	0.06
30/07/2015	21:31:08	105	104	86	0.01	0.03	0.01
31/07/2015	16:34:40	112	111	92	0.02	0.04	0.05
31/07/2015	16:36:40	108	108	88	0.02	0.03	0.04
01/08/2015	05:40:48	97	97	87	0.02	0.30	0.14
01/08/2015	11:08:47	94	94	86	0.03	0.76	0.21
02/08/2015	20:00:16	106	106	92	0.28	0.55	0.01
03/08/2015	19:19:46	102	101	87	0.13	0.46	0.01
05/08/2015	09:39:17	93	93	86	0.25	0.39	0.03
05/08/2015	15:06:47	112	112	102	0.80	0.17	0.02
05/08/2015	16:05:00	107	107	95	0.51	0.17	0.02
05/08/2015	16:08:01	105	106	94	0.83	0.21	0.02
05/08/2015	19:15:29	101	101	87	0.48	0.12	0.01
06/08/2015	16:02:22	98	96	86	0.45	0.25	0.04
06/08/2015	17:08:17	101	100	88	0.29	0.22	0.03
06/08/2015	17:41:00	102	101	88	0.24	0.18	0.10
06/08/2015	17:43:31	107	107	94	0.31	0.25	0.11
06/08/2015	19:27:39	106	106	94	0.30	0.27	0.07
06/08/2015	20:02:42	106	106	94	0.32	0.22	0.24
06/08/2015	20:35:29	100	100	87	0.86	0.18	0.16
06/08/2015	20:37:35	105	104	92	0.35	0.18	0.21
07/08/2015	14:56:44	93	92	85	0.19	0.23	0.01
07/08/2015	21:17:38	102	102	88	0.40	0.37	0.02
07/08/2015	21:28:49	102	102	89	0.30	0.31	0.02
08/08/2015	06:17:55	107	107	96	0.20	0.34	0.03
08/08/2015	13:04:12	103	103	90	0.24	0.48	0.02
08/08/2015	14:39:35	106	106	85	0.20	0.48	0.03
08/08/2015	14:47:38	107	107	95	0.24	0.30	0.01
09/08/2015	06:23:41	110	109	96	0.06	0.23	0.02
10/08/2015	11:03:18	102	102	86	0.20	0.43	0.06
10/08/2015	11:09:00	94	93	85	0.66	0.24	0.01
10/08/2015	13:31:35	99	98	86	0.14	0.29	0.03
10/08/2015	14:51:29	101	101	87	0.17	0.32	0.04
10/08/2015	16:09:46	100	100	88	0.44	0.27	0.05
10/08/2015	16:19:43	105	105	89	0.31	0.22	0.03
10/08/2015	16:25:09	113	113	101	0.29	0.18	0.04
10/08/2015	16:28:11	101	101	86	0.28	0.14	0.02
10/08/2015	19:36:20	103	103	90	0.10	0.22	0.05
11/08/2015	16:23:04	108	108	96	0.21	0.40	0.02
12/08/2015	15:32:38	105	105	89	0.39	0.14	0.04
13/08/2015	15:30:53	98	98	86	0.11	0.19	0.02
14/08/2015	11:50:08	98	98	85	0.28	0.22	0.02
14/08/2015	12:29:20	105	105	93	0.40	0.46	0.04
14/08/2015	14:03:19	99	99	87	0.35	0.19	0.02
14/08/2015	14:06:55	107	107	87	0.45	0.32	0.08
14/08/2015	14:53:21	96	95	88	0.26	0.29	0.02
14/08/2015	14:58:01	94	94	85	0.30	0.18	0.02
14/08/2015	19:56:58	108	107	89	0.16	0.31	0.02

TABLE 4.2: SHB_OS2 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
14/08/2015	21:52:56	106	106	93	0.18	0.26	0.02
14/08/2015	21:54:38	99	99	88	0.22	0.16	0.06
14/08/2015	22:58:41	112	112	102	0.07	0.21	0.05
15/08/2015	17:50:59	103	104	91	0.51	2.92	0.03
17/08/2015	19:40:06	104	104	89	0.21	0.80	0.07
18/08/2015	17:44:27	104	104	88	0.11	0.32	0.02
18/08/2015	17:45:33	103	104	89	0.12	0.36	0.03
18/08/2015	19:12:49	110	110	97	0.35	0.22	0.07
19/08/2015	06:16:55	103	103	88	0.17	0.23	0.03
19/08/2015	13:08:53	96	96	88	0.34	0.14	0.02
19/08/2015	15:44:38	95	95	87	0.48	0.27	0.02
19/08/2015	19:01:54	99	99	86	0.22	0.18	0.07
20/08/2015	17:22:13	105	105	93	0.99	0.07	0.02
20/08/2015	17:23:51	101	101	90	0.39	0.08	0.03
20/08/2015	22:05:08	102	102	88	0.22	0.03	0.07
21/08/2015	18:08:29	105	105	91	0.23	0.03	0.02
22/08/2015	14:09:02	105	105	92	0.18	0.05	0.01
22/08/2015	16:39:08	110	110	95	0.28	0.03	0.03
22/08/2015	16:46:12	103	103	91	0.12	0.05	0.04
23/08/2015	14:50:10	109	109	96	0.12	0.04	0.02
23/08/2015	14:56:28	109	109	97	0.16	0.04	0.07
23/08/2015	19:05:59	100	101	86	0.08	0.02	0.05
24/08/2015	06:02:32	102	102	89	0.14	0.04	0.02
24/08/2015	13:45:59	101	101	88	0.02	0.04	0.05
24/08/2015	15:50:40	101	101	89	0.02	0.07	0.03
24/08/2015	18:27:25	111	111	98	0.05	0.03	0.02
24/08/2015	20:19:12	109	108	94	0.03	0.09	0.07
25/08/2015	16:21:50	103	100	86	0.03	0.04	0.07
25/08/2015	17:55:08	108	108	97	0.02	0.05	0.08
25/08/2015	19:10:57	110	110	99	0.02	0.05	0.07
25/08/2015	19:48:50	102	100	87	0.02	0.05	0.07
25/08/2015	21:03:52	110	108	97	0.03	0.05	0.05
26/08/2015	07:41:29	109	102	90	0.03	0.04	0.03
26/08/2015	13:47:47	113	113	103	0.09	0.06	0.05
26/08/2015	17:33:31	109	109	99	0.04	0.07	0.07
26/08/2015	20:14:17	110	110	95	0.04	0.05	0.08
27/08/2015	15:02:16	102	102	88	0.13	0.04	0.05
27/08/2015	15:05:33	106	106	92	0.10	0.05	0.04
27/08/2015	15:09:19	103	103	86	0.10	0.06	0.05
27/08/2015	15:12:38	105	105	91	0.09	0.03	0.02
27/08/2015	15:14:05	103	104	89	0.10	0.04	0.04
27/08/2015	15:17:17	103	103	88	0.09	0.04	0.02
27/08/2015	15:20:24	103	100	86	0.10	0.07	0.07
27/08/2015	15:34:19	102	103	88	0.52	0.03	0.04
27/08/2015	16:04:29	101	101	87	0.06	0.06	0.04
27/08/2015	16:05:39	115	116	98	0.10	0.06	0.04
27/08/2015	16:07:24	118	118	100	0.17	0.08	0.07
27/08/2015	16:11:04	102	103	87	0.14	0.05	0.02
27/08/2015	16:18:47	132	132	111	0.25	0.12	0.11

TABLE 4.2 CTD: SHB_OS2 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
27/08/2015	16:22:14	129	129	111	0.31	0.18	0.14
27/08/2015	16:23:19	130	129	112	0.16	0.10	0.07
27/08/2015	16:54:19	97	96	87	0.12	0.04	0.04
27/08/2015	17:10:56	116	115	89	0.07	0.03	0.05
27/08/2015	20:31:50	107	107	94	0.11	0.03	0.02
27/08/2015	21:05:32	107	107	90	0.09	0.03	0.01
27/08/2015	21:07:29	107	107	94	0.11	0.03	0.08
28/08/2015	12:46:51	104	103	90	0.04	0.03	0.06
28/08/2015	12:50:17	98	98	85	0.06	0.04	0.08
28/08/2015	12:53:37	106	106	91	0.04	0.05	0.05
28/08/2015	12:55:20	100	100	86	0.04	0.05	0.02
28/08/2015	12:57:12	108	107	93	0.05	0.04	0.05
28/08/2015	12:58:38	109	108	94	0.06	0.03	0.03
28/08/2015	13:01:32	99	99	85	0.30	0.04	0.02
28/08/2015	13:04:10	103	103	90	0.33	0.06	0.06
28/08/2015	14:36:27	108	107	87	0.18	0.07	0.03
28/08/2015	15:11:49	99	99	87	0.05	0.06	0.02
28/08/2015	16:00:34	127	127	110	0.22	0.10	0.13
28/08/2015	16:03:55	127	127	111	0.24	0.10	0.11
28/08/2015	16:04:59	128	127	109	0.10	0.06	0.08
28/08/2015	16:26:03	101	101	86	0.18	0.06	0.04
28/08/2015	17:19:30	102	102	88	0.06	0.11	0.03
28/08/2015	17:27:12	103	103	85	0.13	0.04	0.02
28/08/2015	19:06:10	103	103	87	0.27	0.05	0.04
28/08/2015	20:09:06	104	103	88	0.03	0.03	0.02
28/08/2015	20:56:44	106	106	89	0.03	0.02	0.07
28/08/2015	21:13:03	104	104	89	0.03	0.02	0.08
29/08/2015	21:11:38	110	110	98	0.04	2.25	0.02
30/08/2015	10:28:34	100	100	86	0.03	0.44	0.02
30/08/2015	15:18:19	107	107	91	0.06	0.27	0.02
30/08/2015	15:50:19	105	105	91	0.04	0.26	0.01
30/08/2015	15:58:13	102	102	86	0.03	0.25	0.01
30/08/2015	18:20:50	104	104	90	0.03	0.12	0.02
30/08/2015	19:37:16	102	102	88	0.06	0.37	0.01
30/08/2015	20:10:18	106	106	90	0.03	0.37	0.02
30/08/2015	21:43:28	103	103	87	0.03	0.51	0.06
31/08/2015	15:29:50	102	102	91	0.16	0.26	0.08
31/08/2015	16:18:54	102	102	88	0.09	0.34	0.08
31/08/2015	17:26:03	108	107	96	0.09	0.21	0.08
31/08/2015	17:51:06	107	107	93	0.10	0.16	0.02
31/08/2015	18:21:44	104	104	85	0.15	0.12	0.02
31/08/2015	18:23:14	110	110	96	0.22	0.11	0.06
01/09/2015	07:35:13	102	102	86	0.06	0.02	0.02
01/09/2015	09:38:49	104	104	91	0.08	0.02	0.05
01/09/2015	16:45:59	100	100	88	0.05	0.02	0.05
01/09/2015	20:24:58	109	109	95	0.03	0.02	0.08
01/09/2015	21:24:26	101	101	87	0.02	0.02	0.01
01/09/2015	21:30:45	104	104	86	0.03	0.03	0.08
02/09/2015	15:40:16	110	110	98	0.54	0.28	0.07

TABLE 4.2 CTD: SHB_OS2 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
07/09/2015	16:54:19	109	109	95	1.06	0.10	0.04
07/09/2015	18:44:33	110	110	97	0.34	0.33	0.06
09/09/2015	19:12:20	108	108	95	0.90	0.14	0.05
09/09/2015	19:58:54	106	106	92	0.19	0.29	0.02
09/09/2015	20:01:17	109	109	99	0.16	0.14	0.07
09/09/2015	20:42:59	108	108	95	0.35	0.15	0.08
12/09/2015	20:54:33	109	109	96	0.62	0.25	0.02
13/09/2015	07:22:11	103	103	89	0.37	0.32	0.02
13/09/2015	08:10:33	94	94	86	0.22	0.19	0.02
13/09/2015	08:12:56	97	97	88	0.26	0.18	0.02
13/09/2015	08:32:51	103	103	91	0.26	1.12	0.02
13/09/2015	08:50:54	99	99	87	0.27	0.15	0.02
13/09/2015	11:46:24	107	107	96	0.34	1.65	0.03
13/09/2015	16:41:29	111	111	100	0.19	0.37	0.02
13/09/2015	18:05:16	106	106	94	0.07	0.21	0.02
13/09/2015	19:03:50	107	107	96	0.27	0.24	0.06
13/09/2015	21:13:35	108	108	94	0.38	0.41	0.01
13/09/2015	21:18:46	111	111	97	0.24	0.78	0.08
14/09/2015	19:13:21	113	113	103	0.18	0.25	0.08
14/09/2015	20:26:58	115	113	102	0.17	0.34	0.08
14/09/2015	21:33:15	107	107	94	0.22	0.68	0.09
15/09/2015	07:57:13	105	105	93	0.26	0.36	0.02
15/09/2015	16:42:37	107	107	93	0.57	0.52	0.02
15/09/2015	18:19:30	105	105	95	0.33	0.68	0.02
15/09/2015	18:20:48	117	117	105	0.38	0.54	0.08
15/09/2015	18:45:51	109	108	95	0.42	1.78	0.05
15/09/2015	20:16:46	111	110	98	0.56	0.53	0.07
16/09/2015	08:13:56	113	113	100	2.36	0.44	0.05
16/09/2015	16:37:50	112	112	101	0.85	0.19	0.07
16/09/2015	17:47:01	110	110	97	0.63	0.18	0.08
16/09/2015	19:42:17	108	108	93	1.20	0.53	0.08
17/09/2015	17:50:48	111	111	95	0.30	0.86	0.02
17/09/2015	18:26:44	102	102	89	0.20	0.27	0.02
18/09/2015	20:17:18	111	111	99	0.45	0.40	0.07
18/09/2015	21:16:00	109	109	96	0.46	1.43	0.07
19/09/2015	18:53:33	108	108	96	0.38	0.31	0.07
19/09/2015	19:44:13	106	106	93	0.31	0.29	0.03
19/09/2015	21:06:57	108	108	93	0.47	0.30	0.02
19/09/2015	21:10:01	108	108	98	0.32	0.13	0.08
20/09/2015	16:11:53	106	106	92	0.39	0.13	0.02
20/09/2015	17:59:09	113	113	100	0.37	0.30	0.03
20/09/2015	18:58:28	102	102	89	0.17	0.11	0.07
21/09/2015	20:03:35	108	108	95	0.64	0.09	0.07
22/09/2015	18:12:33	108	108	96	0.22	0.26	0.08
22/09/2015	18:51:26	108	108	95	0.51	0.35	0.08
24/09/2015	20:35:00	101	101	87	0.66	0.20	1.49
24/09/2015	20:37:33	105	105	90	1.04	0.13	1.33
25/09/2015	12:47:25	103	103	88	0.22	0.18	0.04
25/09/2015	14:50:04	103	103	88	0.45	0.23	0.02

TABLE 4.2 CTD: SHB_OS2 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
25/09/2015	19:44:30	107	107	96	0.29	0.10	0.05
25/09/2015	20:27:22	104	104	91	0.36	0.08	0.06
26/09/2015	17:27:02	110	110	99	0.45	0.20	0.01
26/09/2015	18:55:43	108	108	95	0.48	0.19	0.01
26/09/2015	18:59:31	102	102	89	0.31	0.40	0.04
28/09/2015	20:36:36	105	105	93	0.25	0.49	0.04
28/09/2015	20:37:56	112	112	102	0.28	0.38	0.07
29/09/2015	17:27:44	148	148	120	0.55	0.84	0.03
29/09/2015	17:33:01	115	113	88	0.28	1.10	0.15
29/09/2015	17:42:03	108	108	97	0.47	0.18	0.49
29/09/2015	19:39:13	107	107	95	0.14	1.03	0.07
29/09/2015	20:43:13	107	107	92	0.28	0.51	0.01
29/09/2015	20:44:13	111	111	97	0.21	0.46	0.08
02/10/2015	07:02:19	107	107	93	48.45	5.92	1.02
12/10/2015	09:11:59	94	94	85	0.27	0.93	0.05
12/10/2015	10:16:12	106	106	93	0.28	0.49	0.03
12/10/2015	10:21:38	110	110	101	0.69	0.74	0.05
12/10/2015	18:00:07	111	111	101	0.18	0.31	0.03
12/10/2015	18:36:51	108	108	95	0.26	0.60	0.07
13/10/2015	08:02:21	101	101	87	0.27	0.26	0.12
13/10/2015	08:04:41	107	107	96	0.17	0.20	0.07
13/10/2015	13:29:12	111	111	99	0.01	0.02	0.05
13/10/2015	15:32:57	104	104	91	0.01	0.01	0.01
13/10/2015	15:35:42	106	106	94	0.02	0.02	0.08
13/10/2015	19:25:44	105	104	91	0.05	0.01	0.06
13/10/2015	19:29:02	111	111	99	0.32	0.27	0.45
13/10/2015	20:06:09	108	108	96	0.05	0.03	0.08
14/10/2015	15:02:36	111	111	99	0.14	0.05	0.09
14/10/2015	16:56:12	112	112	100	0.01	0.01	0.03
14/10/2015	17:54:48	103	103	88	0.06	0.04	0.08
14/10/2015	18:40:01	111	111	100	0.02	0.01	0.04
15/10/2015	15:31:17	111	111	100	0.01	0.01	0.03
15/10/2015	15:31:17	111	111	100	0.01	0.01	0.03
15/10/2015	19:14:28	102	102	89	0.05	0.02	0.04
15/10/2015	19:17:11	107	107	94	0.03	0.04	0.07
15/10/2015	20:10:21	105	105	89	0.03	0.01	0.07
16/10/2015	07:55:24	110	110	97	0.01	0.01	0.03
16/10/2015	13:42:19	101	101	87	0.01	0.02	0.07
16/10/2015	13:44:40	112	112	99	0.03	0.05	0.11
16/10/2015	22:41:25	104	103	91	0.03	0.01	0.06
16/10/2015	23:18:25	112	112	101	0.05	0.04	0.07
16/10/2015	23:34:35	113	113	104	0.04	0.02	0.08
17/10/2015	17:26:53	107	107	96	0.05	0.03	0.07
01/11/2015	07:50:42	106	106	94	0.00	0.00	0.02
01/11/2015	07:55:06	110	110	100	0.03	0.02	0.07
01/11/2015	13:16:27	112	112	102	0.01	0.01	0.04
01/11/2015	14:53:47	105	105	93	0.01	0.02	0.04
01/11/2015	14:57:54	111	111	97	0.03	0.02	0.07
01/11/2015	15:54:53	111	111	100	0.03	0.02	0.06

TABLE 4.2 CTD: SHB_OS2 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
01/11/2015	16:19:40	107	108	94	0.01	0.01	0.02
01/11/2015	17:04:50	112	112	98	0.02	0.02	0.06
01/11/2015	17:58:15	104	104	92	0.03	0.02	0.07
01/11/2015	19:10:53	107	107	94	0.00	0.00	0.01
01/11/2015	19:13:44	109	109	96	0.03	0.02	0.06
01/11/2015	21:35:31	107	107	95	0.03	0.02	0.06
02/11/2015	07:20:25	103	103	88	0.01	0.01	0.02
02/11/2015	07:28:05	109	109	99	0.02	0.01	0.04
02/11/2015	17:40:29	111	111	99	0.14	0.06	0.09
02/11/2015	18:34:44	107	107	93	0.02	0.01	0.06
02/11/2015	19:39:48	107	107	95	0.04	0.02	0.08
02/11/2015	19:49:02	109	109	98	0.06	0.04	0.07
02/11/2015	20:04:15	110	110	97	0.05	0.03	0.07
02/11/2015	22:16:40	109	109	98	0.00	0.00	0.01
02/11/2015	22:19:52	108	108	96	0.04	0.02	0.08
03/11/2015	18:30:12	100	100	88	0.03	0.02	0.07
03/11/2015	18:33:39	104	104	92	0.10	0.05	0.08
03/11/2015	19:40:12	110	110	98	0.03	0.01	0.06
03/11/2015	23:24:21	112	112	101	0.03	0.02	0.06
04/11/2015	08:18:10	108	108	97	0.05	0.03	0.07
04/11/2015	09:32:37	105	105	93	0.01	0.01	0.02
04/11/2015	15:05:01	109	109	98	0.04	0.02	0.06
04/11/2015	17:05:13	107	107	97	0.04	0.04	0.08
04/11/2015	19:29:58	111	111	99	0.03	0.02	0.06
04/11/2015	20:21:24	114	114	102	0.04	0.02	0.07
04/11/2015	20:33:31	108	108	95	0.05	0.04	0.07
04/11/2015	21:09:09	113	113	87	0.01	0.01	0.02
05/11/2015	18:37:55	117	117	90	0.02	0.02	0.05
05/11/2015	18:43:35	120	119	93	0.06	0.11	0.13
05/11/2015	18:48:55	122	121	94	0.06	0.12	0.12
05/11/2015	21:23:22	112	112	102	0.05	0.03	0.07
05/11/2015	22:32:34	112	112	103	0.04	0.03	0.07
06/11/2015	11:15:21	101	101	87	0.01	0.01	0.04
06/11/2015	17:28:51	106	106	93	0.08	0.05	0.08
06/11/2015	18:18:13	125	124	96	0.06	0.11	0.13
06/11/2015	18:38:31	123	122	95	0.04	0.07	0.12
06/11/2015	18:50:23	122	122	96	0.06	0.09	0.17
06/11/2015	18:58:23	127	127	99	0.07	0.13	0.19
07/11/2015	15:14:21	107	106	96	0.06	0.03	0.06
07/11/2015	15:49:38	107	107	93	0.02	0.01	0.02
07/11/2015	16:39:22	114	113	101	0.02	0.01	0.04
07/11/2015	17:32:39	109	109	95	0.04	0.01	0.07
08/11/2015	08:10:05	105	105	92	0.06	0.05	0.08
08/11/2015	17:04:44	110	110	100	0.04	0.03	0.06
08/11/2015	19:05:44	110	110	97	0.04	0.03	0.08
08/11/2015	20:21:09	107	107	93	0.03	0.03	0.07
08/11/2015	21:09:55	129	129	99	0.04	0.03	0.12
08/11/2015	21:16:34	115	114	86	0.01	0.01	0.01
08/11/2015	21:19:59	114	113	87	0.01	0.01	0.01

TABLE 4.2 CTD: SHB_OS2 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
08/11/2015	21:26:57	123	123	94	0.04	0.04	0.14
09/11/2015	13:32:13	116	115	103	0.02	0.02	0.07
09/11/2015	16:51:35	109	106	89	0.05	0.04	0.04
09/11/2015	20:48:19	114	114	101	0.02	0.01	0.06
10/11/2015	17:33:08	105	105	93	0.06	0.04	0.08
10/11/2015	18:27:13	110	111	100	0.04	0.02	0.07
10/11/2015	20:09:33	112	112	102	0.04	0.03	0.07
11/11/2015	08:48:14	105	105	92	0.01	0.01	0.05
11/11/2015	08:55:22	111	111	100	0.01	0.01	0.03
11/11/2015	16:43:50	112	112	99	0.03	0.02	0.05
11/11/2015	17:09:28	107	107	93	0.04	0.03	0.06
11/11/2015	19:05:14	112	112	99	0.05	0.03	0.09
11/11/2015	21:10:59	109	109	98	0.03	0.01	0.07
12/11/2015	16:20:55	106	106	93	0.05	0.03	0.08
12/11/2015	17:25:34	106	106	92	0.01	0.01	0.03
12/11/2015	17:30:25	106	106	93	0.05	0.02	0.08
12/11/2015	19:52:08	105	105	93	0.05	0.03	0.07
13/11/2015	08:22:23	111	111	100	0.03	0.02	0.06
13/11/2015	08:49:52	109	109	96	0.04	0.03	0.06
13/11/2015	14:46:16	110	110	99	0.03	0.02	0.07
13/11/2015	17:28:15	106	106	93	0.06	0.04	0.09
13/11/2015	19:05:43	109	109	97	0.05	0.02	0.06
13/11/2015	21:42:58	112	112	102	0.04	0.03	0.07
14/11/2015	07:35:14	102	100	87	0.01	0.01	0.02
14/11/2015	10:47:14	112	112	100	0.04	0.03	0.07
14/11/2015	19:00:54	107	107	96	0.05	0.04	0.08
14/11/2015	20:02:50	107	107	93	0.05	0.03	0.07
14/11/2015	21:17:53	111	111	100	0.05	0.05	0.08
15/11/2015	07:19:08	112	111	99	0.02	0.01	0.03
15/11/2015	08:40:57	110	105	94	0.04	0.03	0.08
15/11/2015	13:45:36	100	94	85	0.01	0.01	0.05
15/11/2015	15:24:18	112	112	102	0.03	0.02	0.07
15/11/2015	16:51:13	107	108	93	0.04	0.02	0.07
15/11/2015	17:14:23	100	100	85	0.01	0.01	0.01
15/11/2015	17:16:32	109	109	97	0.04	0.02	0.08
15/11/2015	18:43:03	106	106	92	0.04	0.02	0.08
15/11/2015	20:59:14	108	108	97	0.04	0.02	0.08
15/11/2015	22:25:38	108	104	90	0.04	0.02	0.08
16/11/2015	17:26:48	108	108	95	0.04	0.02	0.06
16/11/2015	17:56:04	107	107	94	0.04	0.02	0.07
16/11/2015	18:47:04	105	105	91	0.01	0.01	0.02
16/11/2015	18:53:49	111	111	99	0.05	0.02	0.07
16/11/2015	20:17:13	106	106	94	0.04	0.03	0.08
17/11/2015	07:32:22	110	110	98	0.05	0.03	0.08
17/11/2015	14:44:22	108	105	94	0.03	0.04	0.08
17/11/2015	18:36:27	125	115	96	0.28	0.31	0.15
17/11/2015	22:15:28	121	116	100	0.04	0.03	0.04
18/11/2015	07:21:38	112	111	96	0.05	0.02	0.08
18/11/2015	17:23:49	108	107	94	0.04	0.04	0.09

TABLE 4.2 CTD: SHB_OS2 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
18/11/2015	19:05:18	108	107	95	0.04	0.03	0.08
18/11/2015	20:44:24	116	107	93	0.04	0.03	0.07
18/11/2015	21:49:03	111	111	99	0.04	0.03	0.07
19/11/2015	08:03:54	110	110	98	0.02	0.01	0.05
19/11/2015	15:52:05	108	108	96	0.01	0.01	0.04
19/11/2015	17:17:30	101	101	87	0.02	0.02	0.07
19/11/2015	17:54:43	113	113	102	0.04	0.03	0.08
19/11/2015	19:18:34	110	110	99	0.04	0.03	0.07
19/11/2015	20:20:14	111	111	98	0.02	0.01	0.04
19/11/2015	21:43:49	109	109	98	0.04	0.03	0.08
20/11/2015	13:03:19	103	103	90	0.01	0.01	0.05
23/11/2015	16:03:44	112	112	99	0.10	0.06	0.10
23/11/2015	16:39:11	110	110	98	0.05	0.04	0.09
23/11/2015	18:58:02	107	107	93	0.04	0.03	0.08
23/11/2015	20:48:14	102	102	88	0.04	0.03	0.08
23/11/2015	21:46:17	104	102	86	0.01	0.01	0.02
23/11/2015	21:48:25	108	108	95	0.03	0.03	0.07
23/11/2015	22:48:49	111	111	98	0.03	0.03	0.08
24/11/2015	13:44:15	108	108	96	0.05	0.03	0.09
24/11/2015	16:55:33	110	111	98	0.06	0.04	0.08
24/11/2015	19:13:51	99	99	86	0.01	0.02	0.05
24/11/2015	19:17:41	109	109	97	0.04	0.03	0.07
24/11/2015	20:41:56	110	110	97	0.07	0.05	0.09
24/11/2015	22:04:02	106	106	93	0.03	0.02	0.08
25/11/2015	07:38:59	111	111	99	0.01	0.02	0.04
25/11/2015	08:45:33	109	109	97	0.01	0.01	0.04
25/11/2015	09:57:59	112	112	103	0.03	0.04	0.07
25/11/2015	15:35:29	104	104	92	0.03	0.02	0.06
25/11/2015	16:36:52	109	109	97	0.07	0.04	0.08
25/11/2015	18:04:32	109	109	95	0.04	0.02	0.07
25/11/2015	19:15:12	113	113	103	0.05	0.04	0.08
25/11/2015	20:43:18	99	99	87	0.01	0.01	0.01
25/11/2015	20:46:37	107	107	95	0.03	0.01	0.06
25/11/2015	21:54:30	105	105	92	0.03	0.03	0.09
26/11/2015	07:52:40	109	108	99	0.06	0.03	0.07
26/11/2015	08:48:47	112	112	99	0.02	0.02	0.03
26/11/2015	16:58:53	109	109	97	0.02	0.01	0.05
26/11/2015	17:19:41	112	112	101	0.04	0.04	0.08
26/11/2015	18:08:51	105	105	91	0.01	0.01	0.02
26/11/2015	18:13:12	107	107	95	0.03	0.02	0.07
26/11/2015	19:23:29	108	108	96	0.03	0.02	0.06
26/11/2015	20:21:04	107	107	92	0.02	0.01	0.06
27/11/2015	13:56:45	99	96	87	0.01	0.03	0.02
27/11/2015	16:28:26	108	108	97	0.04	0.02	0.08
27/11/2015	17:24:26	104	104	93	0.02	0.01	0.04
27/11/2015	18:36:29	109	109	96	0.05	0.03	0.08
27/11/2015	19:43:26	108	108	96	0.04	0.03	0.08
27/11/2015	20:34:32	107	107	95	0.05	0.04	0.08
28/11/2015	06:34:30	97	97	86	0.01	0.01	0.01

TABLE 4.2 CTD: SHB_OS2 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
28/11/2015	07:13:51	112	112	100	0.01	0.01	0.03
28/11/2015	08:27:30	109	109	97	0.01	0.01	0.03
28/11/2015	08:51:34	107	107	97	0.03	0.02	0.06
28/11/2015	15:34:01	112	106	94	0.22	0.11	0.15
28/11/2015	15:56:38	114	114	103	0.02	0.03	0.06
28/11/2015	16:24:31	113	106	94	0.02	0.03	0.07
28/11/2015	17:02:42	112	109	99	0.05	0.03	0.08
28/11/2015	18:21:05	111	109	96	0.05	0.05	0.09
28/11/2015	20:27:04	107	104	91	0.01	0.02	0.01
28/11/2015	20:33:58	111	109	97	0.04	0.04	0.08
28/11/2015	22:09:51	114	114	103	0.04	0.03	0.07
29/11/2015	11:46:00	118	111	99	0.01	0.03	0.04
29/11/2015	12:10:53	113	112	101	0.01	0.01	0.03
29/11/2015	13:55:40	114	114	102	0.02	0.02	0.07
29/11/2015	15:02:21	114	110	98	0.19	0.05	0.08
29/11/2015	15:18:56	105	102	91	0.02	0.02	0.05
29/11/2015	16:38:06	108	106	94	0.02	0.03	0.05
29/11/2015	17:28:57	110	110	98	0.03	0.02	0.07
29/11/2015	18:34:11	111	106	94	0.04	0.03	0.07
29/11/2015	20:15:17	102	102	90	0.01	0.01	0.01
29/11/2015	20:19:13	113	113	102	0.03	0.02	0.07
30/11/2015	20:55:46	111	111	100	0.02	0.01	0.06
30/11/2015	21:56:54	109	109	95	0.05	0.04	0.07
01/12/2015	16:36:10	111	111	99	0.03	0.02	0.08
01/12/2015	18:00:59	108	108	96	0.04	0.02	0.08
01/12/2015	19:04:09	108	108	97	0.04	0.03	0.08
01/12/2015	20:29:02	109	109	96	0.04	0.02	0.07
01/12/2015	21:35:32	107	107	95	0.01	0.01	0.03
02/12/2015	08:38:05	110	110	97	0.04	0.02	0.08
02/12/2015	16:51:55	111	111	96	0.01	0.02	0.08
02/12/2015	17:25:00	110	110	98	0.04	0.05	0.09
02/12/2015	19:59:23	103	103	90	0.02	0.01	0.05
02/12/2015	21:16:56	108	108	96	0.02	0.01	0.05
03/12/2015	15:22:36	111	112	101	0.01	0.01	0.04
03/12/2015	18:14:20	110	110	98	0.03	0.02	0.06
03/12/2015	19:31:17	111	111	100	0.01	0.02	0.03
03/12/2015	21:10:56	113	105	91	0.02	0.03	0.02
03/12/2015	21:53:21	109	109	96	0.07	0.04	0.09
03/12/2015	23:09:00	108	103	90	0.05	0.04	0.06
04/12/2015	15:08:39	99	99	87	0.04	0.03	0.06
04/12/2015	16:24:45	104	104	92	0.04	0.04	0.08
04/12/2015	17:18:08	110	110	98	0.04	0.04	0.09
04/12/2015	19:02:08	109	109	98	0.04	0.03	0.07
05/12/2015	13:35:50	113	109	98	0.04	0.04	0.08
05/12/2015	13:57:37	115	106	88	0.02	0.02	0.03
05/12/2015	14:16:25	115	105	94	0.03	0.03	0.06
05/12/2015	16:25:38	115	107	94	0.04	0.04	0.08
05/12/2015	18:04:13	112	107	94	0.03	0.03	0.07
05/12/2015	21:14:29	113	107	95	0.02	0.03	0.04

TABLE 4.2 CTD: SHB_OS2 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
05/12/2015	21:19:18	110	102	90	0.03	0.03	0.07
05/12/2015	21:52:44	112	112	100	0.04	0.07	0.06
06/12/2015	06:41:17	107	102	90	0.03	0.03	0.08
12/12/2015	13:11:05	98	96	87	0.02	0.02	0.02
14/12/2015	17:13:45	110	110	98	0.04	0.02	0.08
14/12/2015	20:48:41	107	107	95	0.04	0.04	0.08
15/12/2015	17:10:25	112	112	101	0.03	0.02	0.06
15/12/2015	18:09:40	108	108	96	0.05	0.04	0.09
15/12/2015	19:37:09	107	106	96	0.05	0.05	0.08
15/12/2015	20:45:44	106	106	92	0.03	0.01	0.06
16/12/2015	19:59:16	107	106	94	0.03	0.02	0.08
16/12/2015	21:11:58	99	98	86	0.04	0.03	0.07
17/12/2015	06:25:09	99	99	87	0.03	0.01	0.02
17/12/2015	07:34:20	109	109	97	0.01	0.01	0.02
17/12/2015	15:08:15	107	107	96	0.02	0.01	0.05
17/12/2015	16:51:29	106	106	95	0.04	0.02	0.07
17/12/2015	17:39:28	108	108	97	0.02	0.01	0.04
17/12/2015	19:01:13	107	107	95	0.03	0.02	0.08
17/12/2015	20:41:16	109	109	95	0.04	0.03	0.07
18/12/2015	13:34:15	109	109	96	0.03	0.02	0.07
18/12/2015	18:14:13	110	110	94	0.04	0.03	0.08
18/12/2015	19:34:03	112	112	101	0.03	0.02	0.08
18/12/2015	21:13:43	110	110	97	0.04	0.02	0.08
19/12/2015	15:29:34	111	111	98	0.02	0.01	0.06
19/12/2015	16:58:57	106	106	92	0.01	0.01	0.05
19/12/2015	17:02:25	112	112	99	0.02	0.02	0.08
19/12/2015	18:44:46	111	110	99	0.04	0.01	0.07
19/12/2015	19:54:11	111	111	97	0.04	0.03	0.09
19/12/2015	22:19:27	109	109	95	0.04	0.02	0.08
20/12/2015	16:18:02	111	111	101	0.04	0.02	0.07
20/12/2015	18:12:16	104	104	92	0.03	0.04	0.09
20/12/2015	19:24:00	112	112	100	0.03	0.02	0.08
20/12/2015	21:25:58	112	112	99	0.04	0.03	0.09
20/12/2015	22:45:19	107	106	94	0.04	0.03	0.07
21/12/2015	11:15:31	108	108	96	0.02	0.03	0.06
21/12/2015	12:03:10	110	110	98	0.04	0.03	0.07
21/12/2015	13:30:01	112	109	87	0.05	0.03	0.06
21/12/2015	13:54:29	118	112	89	0.02	0.03	0.04
21/12/2015	16:27:01	115	110	99	0.37	0.26	0.17
21/12/2015	19:00:19	106	106	94	0.03	0.03	0.07
21/12/2015	20:04:52	109	109	95	0.03	0.02	0.08
22/12/2015	14:44:06	114	109	98	0.02	0.03	0.04
22/12/2015	16:15:54	111	111	102	0.02	0.03	0.14
22/12/2015	19:28:08	111	111	101	0.03	0.03	0.07
22/12/2015	20:18:15	110	103	88	0.02	0.02	0.05
22/12/2015	20:21:46	115	114	100	0.03	0.03	0.08
22/12/2015	21:16:50	111	106	94	0.04	0.04	0.08
23/12/2015	07:45:59	107	106	93	0.03	0.03	0.07
23/12/2015	09:11:07	112	112	102	0.04	0.03	0.07

TABLE 4.2 CTD: SHB_OS2 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
25/12/2015	11:40:13	142.8	141.1	114.5	0.01	0.01	0.05
28/12/2015	17:11:03	104.2	104.2	92.3	0.08	0.05	0.10
28/12/2015	18:44:18	109.4	109.1	96.7	0.02	0.01	0.07
29/12/2015	17:45:02	103.5	103.2	89.1	0.01	0.02	0.05
29/12/2015	18:42:28	106.7	106.8	94.5	0.05	0.04	0.09
29/12/2015	20:47:09	109.3	109.2	95.1	0.02	0.01	0.03
29/12/2015	21:25:43	108.3	108.3	92.8	0.02	0.01	0.06
30/12/2015	07:23:30	111.2	111.3	99.4	0.03	0.03	0.09
30/12/2015	11:54:43	109.8	106.9	94.5	0.02	0.02	0.03
30/12/2015	12:40:52	113	108.8	98.9	0.03	0.03	0.08
30/12/2015	15:35:25	111.4	110.4	101.5	0.03	0.03	0.07
30/12/2015	16:52:17	108.5	108.2	99	0.02	0.02	0.04
30/12/2015	18:58:04	106.6	105.8	93.5	0.01	0.01	0.01
30/12/2015	19:00:56	110.7	110.3	96.5	0.02	0.01	0.06
30/12/2015	19:52:12	106.6	103.6	89.9	0.01	0.01	0.02
30/12/2015	19:54:37	110.2	107.4	95.5	0.03	0.01	0.08
30/12/2015	20:50:46	105.3	104.3	90.7	0.05	0.03	0.09
30/12/2015	21:33:38	105	104.6	91.8	0.02	0.04	0.01
30/12/2015	21:36:36	110.5	109.9	100.2	0.02	0.02	0.04
31/12/2015	05:14:36	121.4	113	88	0.08	0.04	0.04
31/12/2015	14:35:25	111	110.5	99.2	0.04	0.03	0.08
31/12/2015	16:35:06	111.1	105.8	92.4	0.06	0.03	0.09
31/12/2015	17:56:35	111.7	111.5	99.9	0.13	0.07	0.13
31/12/2015	18:35:55	110.3	110.1	98.2	0.12	0.06	0.10
31/12/2015	23:04:12	109.6	109.6	97.2	0.07	0.05	0.09

TABLE 4.2 CTD: SHB_OS2 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
22/07/2015	13:39:08	117	116	98	0.05	0.05	0.33
03/08/2015	15:10:34	114	108	86	0.04	0.08	0.03
05/08/2015	14:35:33	103	103	87	0.04	0.04	0.18
06/08/2015	17:43:31	104	104	93	0.01	0.01	0.03
10/08/2015	15:12:10	98	98	86	0.01	0.01	0.06
13/08/2015	19:41:19	105	105	86	0.01	0.01	0.01
15/08/2015	20:03:36	113	112	93	0.02	0.04	0.05
15/08/2015	20:43:54	118	118	93	0.02	0.05	0.02
15/08/2015	23:04:06	114	114	89	0.07	0.20	0.06
16/08/2015	14:31:37	112	113	93	0.02	0.06	0.03
17/08/2015	08:55:33	105	104	88	0.17	0.05	0.31
20/08/2015	09:58:53	98	97	90	0.02	0.06	0.06
20/08/2015	10:05:37	105	105	90	0.15	0.11	0.23
20/08/2015	12:44:18	99	99	89	0.01	0.01	0.02
20/08/2015	12:45:34	123	123	101	1.28	0.81	1.40
20/08/2015	12:47:36	108	107	94	0.13	0.15	0.29
20/08/2015	21:16:30	103	103	86	0.01	0.02	0.01
23/08/2015	11:42:32	105	104	86	0.01	0.02	0.01
23/08/2015	14:36:28	110	110	91	0.02	0.05	0.02
24/08/2015	08:21:06	97	97	86	0.31	0.36	2.62
26/08/2015	10:31:30	103	103	86	0.11	0.08	0.22
26/08/2015	10:34:25	104	103	90	0.14	0.07	0.36
27/08/2015	09:25:23	107	107	92	0.02	0.02	0.06
27/08/2015	11:34:20	111	110	90	0.13	0.12	0.44
27/08/2015	16:50:05	95	95	86	0.01	0.01	0.02
28/08/2015	09:55:42	102	100	88	0.03	0.04	0.13
28/08/2015	15:35:03	113	113	94	0.01	0.04	0.02
28/08/2015	15:36:35	104	104	87	0.01	0.03	0.04
29/08/2015	09:34:18	106	106	89	0.02	0.02	0.09
29/08/2015	09:36:17	103	103	89	0.02	0.02	0.08
02/09/2015	08:20:47	96	94	86	0.88	0.40	1.58
03/09/2015	15:19:13	104	103	85	0.01	0.02	0.05
07/09/2015	15:21:25	107	106	89	0.01	0.05	0.02
09/09/2015	12:06:04	105	104	85	0.04	0.18	0.07
09/09/2015	12:13:31	104	104	87	0.03	0.02	0.06
10/09/2015	14:54:51	108	106	85	0.03	0.03	0.11
10/09/2015	15:05:38	117	113	88	0.06	0.12	0.13
14/09/2015	08:54:10	97	94	86	0.01	0.01	0.04
15/09/2015	15:53:39	102	101	87	0.02	0.02	0.09
16/09/2015	07:35:56	109	107	86	0.02	0.07	0.03
16/09/2015	19:15:19	106	106	88	0.02	0.04	0.03
17/09/2015	13:41:31	100	101	86	0.02	0.02	0.08
17/09/2015	15:26:51	103	98	86	0.03	0.02	0.04
17/09/2015	16:09:10	105	104	85	0.03	0.06	0.03
22/09/2015	08:52:15	103	102	89	0.04	0.08	0.07
22/09/2015	11:53:06	104	102	89	0.02	0.05	0.03
22/09/2015	15:30:10	110	106	90	0.45	0.91	0.34
23/09/2015	15:42:43	98	96	86	0.02	0.03	0.07

TABLE 4.3: SHB_OS3 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
24/09/2015	15:21:04	108	108	89	0.04	0.12	0.07
29/09/2015	15:35:07	147	147	121	0.07	0.09	0.23
29/09/2015	15:38:45	106	107	93	0.12	0.13	0.12
30/09/2015	15:18:28	107	107	92	0.02	0.03	0.04
02/10/2015	21:04:31	104	103	88	0.01	0.02	0.01
03/10/2015	11:23:46	111	111	92	0.01	0.03	0.02
03/10/2015	13:54:42	110	110	91	0.01	0.02	0.04
04/10/2015	14:17:46	115	115	96	0.02	0.04	0.02
04/10/2015	16:04:44	112	113	94	0.02	0.03	0.02
06/10/2015	16:41:48	103	103	86	0.01	0.02	0.01
09/10/2015	12:04:31	105	105	91	0.03	0.04	0.08
15/10/2015	15:12:23	116	117	89	0.17	0.17	0.18
17/10/2015	14:08:28	102	102	86	0.02	0.02	0.07
17/10/2015	17:08:04	109	109	89	0.01	0.02	0.02
18/10/2015	11:58:54	114	114	96	0.02	0.04	0.02
18/10/2015	12:41:22	116	115	97	0.02	0.05	0.03
18/10/2015	19:26:36	130	129	103	0.04	0.12	0.05
19/10/2015	17:29:19	108	108	91	0.47	0.10	0.54
20/10/2015	19:27:37	104	103	89	0.03	0.04	0.09
21/10/2015	16:15:37	114	114	86	0.13	0.17	0.17
22/10/2015	10:43:38	108	108	87	0.22	0.08	0.13
22/10/2015	19:51:03	103	102	87	0.01	0.02	0.02
24/10/2015	13:57:44	105	105	85	0.02	0.03	0.05
25/10/2015	12:42:27	114	113	92	0.01	0.02	0.01
26/10/2015	09:54:58	102	101	87	0.02	0.03	0.06
26/10/2015	14:17:59	102	102	85	0.02	0.06	0.10
26/10/2015	14:21:28	107	106	90	0.11	0.21	0.49
26/10/2015	15:34:29	102	101	86	0.21	0.21	0.32
26/10/2015	15:36:48	107	104	85	0.15	0.09	0.14
29/10/2015	16:57:37	103	103	87	0.01	0.02	0.03
29/10/2015	17:32:59	102	101	87	0.02	0.02	0.07
29/10/2015	22:23:49	105	104	89	0.03	0.03	0.09
30/10/2015	12:12:46	110	110	95	0.04	0.10	0.07
30/10/2015	13:27:44	111	111	96	0.05	0.12	0.05
30/10/2015	14:12:59	112	111	94	0.18	0.07	0.46
30/10/2015	14:28:49	100	97	86	0.02	0.02	0.05
31/10/2015	12:37:59	111	110	96	0.09	0.20	0.10
31/10/2015	12:58:43	105	105	86	0.02	0.02	0.05
31/10/2015	14:45:01	103	102	86	0.02	0.03	0.05
31/10/2015	15:29:07	108	108	93	0.03	0.08	0.04
31/10/2015	15:47:47	104	103	87	0.01	0.02	0.03
01/11/2015	13:19:54	105	104	90	0.04	0.10	0.07
01/11/2015	13:33:01	104	104	87	0.02	0.03	0.06
01/11/2015	13:46:51	103	103	86	0.02	0.03	0.05
01/11/2015	13:51:46	112	112	97	0.06	0.16	0.09
01/11/2015	14:03:49	119	117	94	0.03	0.06	0.04
01/11/2015	14:06:59	120	121	98	0.04	0.09	0.06
01/11/2015	14:10:53	106	105	90	0.01	0.03	0.02
01/11/2015	14:15:44	115	115	98	0.04	0.11	0.08

TABLE 4.3 CTD: SHB_OS3 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
01/11/2015	14:21:54	119	120	98	0.02	0.05	0.04
01/11/2015	14:25:00	113	114	97	0.02	0.06	0.05
01/11/2015	15:37:32	110	109	96	0.02	0.05	0.06
01/11/2015	15:56:35	117	117	95	0.06	0.15	0.08
01/11/2015	16:08:10	122	121	102	0.10	0.23	0.12
05/11/2015	18:41:21	121	121	93	0.03	0.07	0.05
06/11/2015	08:27:10	115	115	95	0.32	0.10	0.43
06/11/2015	11:23:30	106	105	87	0.06	0.08	0.20
06/11/2015	18:21:12	104	103	89	0.02	0.05	0.07
06/11/2015	18:24:03	116	115	89	0.02	0.04	0.02
07/11/2015	09:51:42	102	102	88	0.02	0.02	0.07
07/11/2015	10:30:12	107	102	85	0.02	0.02	0.03
07/11/2015	17:40:03	123	122	93	0.01	0.04	0.02
07/11/2015	17:50:46	112	112	87	0.01	0.02	0.05
07/11/2015	18:06:20	119	119	91	0.01	0.02	0.02
07/11/2015	18:11:57	122	121	93	0.07	0.22	0.08
07/11/2015	18:28:50	116	115	88	0.02	0.04	0.02
07/11/2015	18:31:54	118	118	90	0.02	0.06	0.03
07/11/2015	18:44:50	114	113	88	0.02	0.07	0.03
07/11/2015	19:38:46	118	117	90	0.02	0.06	0.02
07/11/2015	19:48:16	134	132	104	0.10	0.19	0.13
07/11/2015	20:12:59	131	130	103	0.09	0.21	0.15
07/11/2015	20:23:20	132	131	104	0.10	0.24	0.17
07/11/2015	20:33:33	120	119	93	0.04	0.10	0.04
07/11/2015	20:38:25	116	116	92	0.05	0.12	0.05
07/11/2015	21:24:47	119	119	90	0.01	0.02	0.01
08/11/2015	10:49:49	108	108	92	0.05	0.15	0.06
08/11/2015	11:00:30	106	106	92	0.02	0.04	0.04
08/11/2015	11:34:36	109	109	94	0.06	0.14	0.10
08/11/2015	12:12:44	119	118	95	0.02	0.04	0.03
08/11/2015	13:02:24	104	104	88	0.01	0.03	0.04
08/11/2015	13:41:03	106	105	90	0.03	0.05	0.07
08/11/2015	15:49:31	107	107	90	0.01	0.03	0.04
08/11/2015	17:42:57	119	118	89	0.02	0.05	0.02
08/11/2015	18:02:26	120	119	94	0.01	0.04	0.02
08/11/2015	19:52:35	115	115	88	0.01	0.02	0.01
09/11/2015	17:09:45	107	106	86	0.02	0.04	0.08
10/11/2015	12:24:13	105	104	88	0.02	0.03	0.08
10/11/2015	13:49:48	105	102	89	0.05	0.08	0.16
10/11/2015	13:54:54	102	101	88	0.11	0.11	0.24
10/11/2015	13:59:54	104	103	87	0.11	0.16	0.08
10/11/2015	17:16:04	119	118	89	0.02	0.05	0.03
12/11/2015	14:11:52	112	112	86	0.13	0.15	0.15
12/11/2015	14:41:01	103	102	88	0.01	0.02	0.02
13/11/2015	23:07:58	112	112	87	0.00	0.01	0.01
14/11/2015	18:34:39	116	117	89	0.02	0.03	0.03
15/11/2015	12:15:10	103	101	86	0.01	0.02	0.04
15/11/2015	12:51:37	104	104	86	0.01	0.02	0.05
15/11/2015	13:21:27	106	105	87	0.01	0.03	0.02

TABLE 4.3 CTD: SHB_OS3 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
15/11/2015	13:49:49	109	107	89	0.01	0.02	0.02
15/11/2015	15:21:15	104	103	86	0.01	0.02	0.01
16/11/2015	16:57:57	104	102	87	0.09	0.10	0.34
19/11/2015	15:17:09	107	107	89	0.09	0.23	0.41
20/11/2015	13:31:02	97	97	85	0.01	0.02	0.04
20/11/2015	20:58:20	99	99	87	0.00	0.01	0.01
21/11/2015	10:23:42	110	110	86	0.01	0.03	0.02
22/11/2015	09:10:34	105	105	85	0.02	0.03	0.10
22/11/2015	10:15:39	115	115	94	0.03	0.07	0.05
22/11/2015	10:40:50	104	104	88	0.01	0.01	0.02
22/11/2015	10:51:27	110	110	89	0.01	0.02	0.02
23/11/2015	11:58:40	101	99	85	0.05	0.04	0.10
23/11/2015	16:47:29	110	110	89	0.03	0.03	0.06
25/11/2015	07:46:34	109	109	92	0.26	0.07	0.78
25/11/2015	07:51:40	101	100	87	0.06	0.02	0.08
25/11/2015	07:53:45	107	107	90	0.21	0.07	0.82
25/11/2015	08:00:19	102	102	86	0.02	0.02	0.06
25/11/2015	12:39:05	103	102	85	0.02	0.02	0.08
26/11/2015	12:08:42	106	106	93	0.16	0.04	0.22
26/11/2015	15:31:30	103	103	86	0.01	0.02	0.05
26/11/2015	15:52:00	101	102	86	0.01	0.02	0.02
26/11/2015	16:04:14	102	101	85	0.01	0.02	0.01
26/11/2015	16:25:25	108	107	86	0.06	0.04	0.09
27/11/2015	10:32:16	102	103	90	0.09	0.03	0.14
27/11/2015	14:46:36	107	108	87	0.04	0.08	0.05
29/11/2015	12:46:38	108	106	87	0.01	0.01	0.02
29/11/2015	12:52:37	105	103	88	0.01	0.01	0.01
02/12/2015	11:30:37	102	100	87	0.07	0.09	0.25
02/12/2015	12:44:20	107	106	92	0.03	0.08	0.14
05/12/2015	10:59:06	112	109	95	0.03	0.06	0.04
05/12/2015	11:01:58	111	106	92	0.01	0.03	0.03
05/12/2015	11:39:00	107	106	90	0.04	0.06	0.05
05/12/2015	11:43:16	102	101	86	0.02	0.03	0.03
07/12/2015	10:36:32	103	103	87	0.09	0.16	0.32
07/12/2015	11:08:06	105	104	89	0.07	0.06	0.08
07/12/2015	11:59:04	107	106	86	0.02	0.05	0.05
07/12/2015	12:45:35	113	112	89	0.02	0.02	0.06
07/12/2015	15:36:32	107	107	87	0.03	0.05	0.10
07/12/2015	23:36:22	106	105	86	0.03	0.05	0.11
09/12/2015	13:33:46	111	108	97	0.01	0.01	0.03
11/12/2015	08:19:47	106	106	88	0.05	0.04	0.10
11/12/2015	12:55:12	101	99	88	0.05	0.06	0.11
12/12/2015	14:04:32	104	104	87	0.02	0.02	0.06
13/12/2015	15:11:29	101	100	86	0.03	0.04	0.14
17/12/2015	09:48:57	97	97	87	0.02	0.01	0.05
17/12/2015	15:24:57	107	106	91	0.02	0.04	0.11
17/12/2015	17:50:17	110	109	91	0.03	0.06	0.05
17/12/2015	18:03:01	110	109	94	0.01	0.02	0.05
19/12/2015	10:13:29	101	99	86	0.03	0.03	0.12

TABLE 4.3 CTD: SHB_OS3 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
19/12/2015	16:55:02	103	102	85	0.02	0.02	0.10
19/12/2015	17:02:37	105	105	86	0.02	0.04	0.10
20/12/2015	11:50:08	111	111	95	0.05	0.12	0.06
20/12/2015	12:38:44	104	104	86	0.01	0.03	0.07
20/12/2015	12:46:22	110	110	94	0.06	0.13	0.05
20/12/2015	13:55:15	102	101	85	0.02	0.04	0.04
21/12/2015	14:32:34	107	107	89	0.06	0.02	0.06
21/12/2015	15:37:44	106	106	91	0.16	0.12	0.30
21/12/2015	16:09:32	112	107	86	0.10	0.05	0.14
21/12/2015	16:13:29	110	106	85	0.09	0.15	0.23
21/12/2015	16:18:03	105	104	89	0.18	0.12	0.29
21/12/2015	16:26:39	105	100	88	0.16	0.23	0.51
22/12/2015	11:47:13	109	105	93	0.10	0.03	0.20
22/12/2015	11:56:01	103	102	90	0.04	0.06	0.16
22/12/2015	12:02:36	108	108	94	0.07	0.10	0.22
22/12/2015	12:07:24	107	103	86	0.08	0.06	0.19
22/12/2015	12:20:32	104	101	88	0.04	0.02	0.06
22/12/2015	12:22:36	104	104	87	0.01	0.01	0.03
28/12/2015	11:27:58	101	100	86	0.01	0.02	0.04
28/12/2015	14:13:27	99	99	87	0.02	0.02	0.06
28/12/2015	17:31:42	116	116	86	0.01	0.03	0.05
30/12/2015	14:14:50	112	111	91	0.02	0.04	0.06
31/12/2015	13:06:37	108	107	93	0.02	0.03	0.05
31/12/2015	20:28:51	112	111	86	0.02	0.05	0.02
31/12/2015	20:34:35	117	116	88	0.01	0.03	0.02

TABLE 4.3 CTD: SHB_OS3 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
04/07/2015	06:21:05	110	108	91	0.00	0.00	0.00
09/07/2015	10:11:18	104	103	86	0.01	0.02	0.02
10/07/2015	06:09:00	110	109	94	0.01	0.01	0.00
21/07/2015	11:31:10	95	94	86	0.03	0.04	0.03
23/07/2015	05:46:07	111	109	93	0.01	0.01	0.00
23/07/2015	05:48:33	117	114	100	0.00	0.01	0.00
23/07/2015	05:51:44	112	110	93	0.01	0.02	0.01
23/07/2015	05:57:26	113	111	96	0.00	0.01	0.00
23/07/2015	06:49:54	108	107	93	0.00	0.01	0.00
23/07/2015	09:25:57	99	99	88	0.01	0.01	0.01
24/07/2015	05:40:19	104	102	87	0.00	0.01	0.00
24/07/2015	06:05:03	106	103	89	0.01	0.05	0.02
24/07/2015	06:06:28	102	101	89	0.00	0.01	0.00
26/07/2015	06:11:03	104	103	87	0.00	0.00	0.00
03/08/2015	19:15:18	113	111	87	0.03	0.03	0.15
03/08/2015	19:15:18	113	111	87	0.03	0.03	0.15
08/08/2015	10:11:03	93	93	88	0.01	0.01	0.03
08/08/2015	20:26:19	100	100	85	0.01	0.01	0.01
08/08/2015	21:25:20	102	102	86	0.01	0.01	0.01
08/08/2015	21:27:49	102	102	86	0.01	0.01	0.01
08/08/2015	22:04:07	102	102	87	0.01	0.01	0.01
08/08/2015	22:08:24	103	103	89	0.01	0.01	0.01
08/08/2015	22:25:48	102	102	86	0.01	0.01	0.01
08/08/2015	22:48:52	101	102	86	0.01	0.01	0.01
08/08/2015	22:53:13	102	102	87	0.01	0.01	0.01
08/08/2015	22:59:26	101	101	86	0.01	0.01	0.02
17/08/2015	20:18:17	101	101	85	0.00	0.01	0.01
22/08/2015	10:21:03	112	112	88	0.02	0.02	0.04
27/08/2015	14:39:46	102	102	86	0.01	0.02	0.04
27/08/2015	15:13:57	112	112	95	0.02	0.02	0.03
28/08/2015	12:58:49	101	101	86	0.02	0.02	0.05
30/08/2015	17:03:09	97	97	87	0.01	0.01	0.03
31/08/2015	19:33:22	106	105	96	0.01	0.01	0.03
10/09/2015	13:51:26	102	102	86	0.04	0.03	0.13
10/09/2015	13:54:04	116	114	91	0.03	0.04	0.11
10/09/2015	13:55:04	124	119	93	0.04	0.03	0.14
10/09/2015	14:01:02	113	110	86	0.05	0.04	0.26
12/09/2015	16:29:55	110	110	88	0.10	0.07	0.13
18/09/2015	18:43:25	99	98	86	0.01	0.01	0.04
26/09/2015	16:56:42	111	110	88	0.04	0.02	0.07
30/09/2015	13:18:00	117	117	91	0.01	0.01	0.02
30/09/2015	14:11:09	116	116	93	0.02	0.02	0.02
30/09/2015	17:05:38	117	117	93	0.03	0.04	0.12
01/10/2015	11:24:20	107	107	87	0.03	0.01	0.08
02/10/2015	11:17:01	108	108	88	0.02	0.01	0.03
02/10/2015	12:06:10	108	108	85	0.02	0.01	0.06
02/10/2015	12:57:18	107	106	87	0.01	0.01	0.02
02/10/2015	13:26:31	108	108	87	0.02	0.01	0.04

TABLE 4.4: SHB_OS4 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
03/10/2015	09:53:25	112	111	90	0.07	0.02	0.10
03/10/2015	10:07:29	115	115	88	0.06	0.04	0.13
03/10/2015	12:36:22	113	111	87	0.02	0.01	0.05
03/10/2015	16:20:24	115	115	93	0.01	0.01	0.02
03/10/2015	16:32:49	108	108	87	0.01	0.01	0.03
03/10/2015	16:38:13	108	108	87	0.02	0.01	0.04
04/10/2015	13:18:46	110	110	89	0.02	0.02	0.07
04/10/2015	14:54:58	116	116	92	0.03	0.02	0.06
04/10/2015	15:55:09	110	109	90	0.02	0.02	0.05
26/10/2015	16:41:04	139	137	112	0.04	0.05	0.06
16/11/2015	13:51:56	124	124	103	0.06	0.05	0.30
16/11/2015	13:58:51	115	115	94	0.12	0.09	0.38
16/11/2015	14:10:33	109	109	91	0.03	0.03	0.16
14/12/2015	15:12:29	98	98	86	0.03	0.04	0.07
23/12/2015	14:19:10	108	108	88	0.02	0.02	0.03
26/12/2015	11:04:38	105	106	88	0.03	0.03	0.06

TABLE 4.4 CTD: SHB_OS4 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
04/07/2015	13:03:26	123	121	95	0.01	0.03	0.02
10/07/2015	21:44:19	106	106	87	0.11	1.21	1.46
13/07/2015	13:10:01	90	140	110	12.02	0.02	0.01
20/07/2015	16:29:53	107	107	90	0.16	0.12	0.19
22/07/2015	09:53:18	111	109	86	0.04	0.08	0.06
24/07/2015	15:15:02	117	117	90	0.04	0.05	0.05
20/08/2015	07:26:48	110	107	91	0.00	0.00	0.00
20/08/2015	16:03:37	110	110	86	0.05	0.05	0.16
21/08/2015	17:29:46	99	99	87	0.01	0.01	0.01
01/09/2015	10:28:00	102	102	89	0.02	0.01	0.04
01/09/2015	15:41:47	104	104	90	0.02	0.02	0.06
01/09/2015	16:53:59	102	102	87	0.01	0.02	0.03
05/09/2015	21:01:44	116	115	87	0.01	0.02	0.04
08/09/2015	07:38:28	100	100	85	0.02	0.02	0.06
08/09/2015	07:42:11	120	119	97	0.01	0.02	0.04
08/09/2015	08:51:43	110	110	86	0.01	0.02	0.01
08/09/2015	08:55:05	108	108	89	0.01	0.01	0.03
08/09/2015	08:57:17	113	113	91	0.02	0.01	0.02
08/09/2015	09:19:14	109	108	89	0.01	0.01	0.02
10/09/2015	12:26:32	107	107	85	0.06	0.03	0.12
19/09/2015	11:55:25	108	105	87	0.09	0.05	0.06
19/09/2015	11:58:13	100	99	88	0.01	0.01	0.02
19/09/2015	11:59:46	108	106	88	0.01	0.01	0.01
19/09/2015	12:01:14	107	105	87	0.01	0.01	0.01
19/09/2015	12:02:43	109	106	86	0.00	0.00	0.01
19/09/2015	12:04:13	110	108	89	0.01	0.00	0.01
19/09/2015	12:05:25	108	106	87	0.04	0.04	0.07
19/09/2015	12:06:35	107	106	88	0.04	0.02	0.09
19/09/2015	12:07:39	106	105	87	0.07	0.03	0.07
19/09/2015	12:09:00	105	103	86	0.03	0.01	0.04
19/09/2015	12:10:11	109	107	90	0.01	0.01	0.01
19/09/2015	12:13:19	112	109	89	0.00	0.00	0.01
19/09/2015	12:17:56	116	114	87	0.08	0.03	0.17
19/09/2015	12:20:09	118	117	89	0.01	0.01	0.01
19/09/2015	12:22:02	107	105	85	0.00	0.00	0.00
19/09/2015	12:24:04	109	106	88	0.01	0.01	0.01
19/09/2015	12:27:44	108	104	87	0.02	0.01	0.02
19/09/2015	12:30:03	111	107	88	0.01	0.01	0.01
19/09/2015	12:49:29	116	114	87	0.02	0.02	0.06
19/09/2015	12:51:55	116	114	87	0.02	0.01	0.01
19/09/2015	12:55:58	111	108	86	0.00	0.00	0.00
19/09/2015	12:57:14	118	115	89	0.01	0.02	0.05
19/09/2015	14:49:59	109	106	87	0.02	0.01	0.00
19/09/2015	14:56:42	108	106	88	0.01	0.01	0.00
19/09/2015	14:57:56	107	106	89	0.04	0.01	0.03
19/09/2015	15:04:17	110	107	89	0.01	0.01	0.00
19/09/2015	15:06:04	108	105	88	0.00	0.01	0.01
19/09/2015	15:15:41	102	100	88	0.02	0.01	0.02

TABLE 4.5: SHB_OS5 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
19/09/2015	15:19:31	112	108	88	0.01	0.01	0.01
19/09/2015	15:32:55	99	98	85	0.05	0.03	0.04
19/09/2015	16:50:48	108	106	88	0.34	0.20	0.26
19/09/2015	16:54:29	109	107	88	0.01	0.01	0.01
19/09/2015	17:10:16	109	106	88	0.01	0.00	0.01
20/09/2015	10:58:46	110	109	89	0.01	0.00	0.01
20/09/2015	11:00:58	106	104	86	0.01	0.00	0.01
20/09/2015	11:02:03	101	100	87	0.00	0.00	0.00
20/09/2015	11:03:17	108	106	88	0.00	0.00	0.01
20/09/2015	11:06:41	107	105	86	0.01	0.01	0.02
20/09/2015	11:08:38	107	105	87	0.04	0.02	0.14
20/09/2015	11:10:36	110	108	89	0.00	0.01	0.01
20/09/2015	11:43:47	108	106	87	0.01	0.01	0.01
20/09/2015	11:49:19	107	105	88	0.01	0.01	0.01
20/09/2015	11:56:42	107	105	87	0.01	0.01	0.01
20/09/2015	12:02:20	106	105	88	0.04	0.02	0.09
29/09/2015	06:44:41	112	109	98	0.00	0.00	0.00
19/09/2015	12:51:55	116	114	87	0.02	0.01	0.01
19/09/2015	12:55:58	111	108	86	0.00	0.00	0.00
19/09/2015	12:57:14	118	115	89	0.01	0.02	0.05
19/09/2015	14:49:59	109	106	87	0.02	0.01	0.00
01/10/2015	20:16:04	109	107	89	0.01	0.02	0.03
15/11/2015	12:29:21	104	104	90	0.01	0.01	0.01
04/12/2015	14:09:04	105	105	93	0.02	0.05	0.05
09/12/2015	09:53:19	107	107	89	0.04	0.03	0.11
11/12/2015	09:12:02	107	106	85	0.01	0.01	0.02
21/12/2015	14:39:42	106	106	92	0.01	0.02	0.02
23/12/2015	10:23:42	111	111	97	0.02	0.02	0.03
27/12/2015	11:53:28	100	100	86	0.01	0.01	0.01
27/12/2015	12:06:52	95	95	85	0.02	0.06	0.04
27/12/2015	12:45:34	102	102	88	0.01	0.01	0.03
27/12/2015	13:48:30	102	102	88	0.00	0.00	0.01
27/12/2015	13:51:36	98	98	85	0.01	0.01	0.01

TABLE 4.5 CTD: SHB_OS5 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
04/07/2015	06:21:05	110	108	91	0.00	0.00	0.00
09/07/2015	10:11:18	104	103	86	0.01	0.02	0.02
10/07/2015	06:09:00	110	109	94	0.01	0.01	0.00
21/07/2015	11:31:10	95	94	86	0.03	0.04	0.03
23/07/2015	05:46:07	111	109	93	0.01	0.01	0.00
23/07/2015	05:48:33	117	114	100	0.00	0.01	0.00
23/07/2015	05:51:44	112	110	93	0.01	0.02	0.01
23/07/2015	05:57:26	113	111	96	0.00	0.01	0.00
23/07/2015	06:49:54	108	107	93	0.00	0.01	0.00
23/07/2015	09:25:57	99	99	88	0.01	0.01	0.01
24/07/2015	05:40:19	104	102	87	0.00	0.01	0.00
24/07/2015	06:05:03	106	103	89	0.01	0.05	0.02
24/07/2015	06:06:28	102	101	89	0.00	0.01	0.00
26/07/2015	06:11:03	104	103	87	0.00	0.00	0.00
11/08/2015	08:12:42	101	100	85	0.00	0.01	0.00
14/08/2015	06:36:03	103	100	89	0.00	0.01	0.00
14/08/2015	06:42:26	105	102	90	0.00	0.00	0.00
14/08/2015	06:43:57	103	100	90	0.00	0.00	0.00
21/08/2015	10:35:32	99	98	87	0.01	0.01	0.01
22/08/2015	06:06:38	105	102	91	0.00	0.00	0.00
22/08/2015	06:07:57	102	99	86	0.00	0.01	0.00
28/08/2015	06:50:53	103	100	86	0.00	0.01	0.00
30/08/2015	08:47:19	103	100	90	0.01	0.01	0.01
01/09/2015	07:07:55	103	101	91	0.00	0.00	0.00
06/09/2015	07:43:42	106	104	89	0.00	0.01	0.00
07/09/2015	08:44:34	109	107	93	0.01	0.01	0.00
07/09/2015	08:49:22	109	108	93	0.01	0.01	0.00
07/09/2015	08:53:40	108	107	92	0.01	0.02	0.01
14/09/2015	07:20:11	108	106	91	0.01	0.01	0.01
19/09/2015	07:19:46	98	96	85	0.00	0.00	0.00
22/09/2015	12:12:36	115	114	87	0.03	0.02	0.02
24/09/2015	07:36:44	102	100	89	0.01	0.02	0.01
26/09/2015	08:21:16	104	102	87	0.00	0.00	0.00
26/09/2015	08:22:27	106	104	91	0.01	0.04	0.02
26/09/2015	08:28:04	104	102	88	0.00	0.00	0.00
26/09/2015	08:29:10	100	98	86	0.01	0.01	0.01
29/09/2015	07:10:19	105	104	91	0.00	0.00	0.00
29/09/2015	09:18:27	147	147	123	0.01	0.02	0.01
29/09/2015	09:22:59	141	141	111	0.02	0.03	0.02
01/10/2015	07:32:46	101	99	87	0.02	0.02	0.02
02/10/2015	07:21:34	105	101	88	0.01	0.01	0.00
02/10/2015	08:04:02	105	102	86	0.00	0.00	0.00
04/10/2015	07:28:42	104	102	89	0.00	0.00	0.00
06/10/2015	07:14:08	106	104	89	0.01	0.01	0.00
06/10/2015	07:49:53	102	101	85	0.01	0.04	0.01
08/10/2015	07:26:31	105	103	88	0.01	0.02	0.01
08/10/2015	07:46:14	106	102	88	0.01	0.01	0.00
08/10/2015	07:48:24	105	102	93	0.04	0.04	0.04
08/10/2015	08:12:16	103	101	90	0.02	0.02	0.01
09/10/2015	08:14:37	105	104	91	0.01	0.01	0.01
12/10/2015	12:37:21	104	103	90	0.02	0.02	0.02
15/10/2015	08:48:23	102	98	86	0.02	0.04	0.01

TABLE 4.6: SHB_OS6 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
17/10/2015	09:57:59	105	102	89	0.01	0.02	0.01
19/10/2015	16:38:36	106	105	88	0.01	0.01	0.01
20/10/2015	08:15:54	99	97	87	0.01	0.01	0.01
21/10/2015	08:40:21	102	100	85	0.01	0.01	0.01
21/10/2015	09:02:36	104	103	89	0.01	0.01	0.01
21/10/2015	09:17:24	103	98	86	0.01	0.01	0.01
22/10/2015	08:58:59	102	98	90	0.01	0.01	0.01
23/10/2015	08:36:36	109	106	92	0.01	0.01	0.00
27/10/2015	08:57:25	99	96	85	0.01	0.02	0.01
27/10/2015	09:14:38	109	106	92	0.02	0.02	0.02
27/10/2015	09:22:50	103	102	90	0.00	0.01	0.00
29/10/2015	07:18:51	107	104	89	0.01	0.02	0.01
31/10/2015	21:47:47	114	114	87	0.00	0.01	0.00
03/11/2015	08:09:30	104	101	85	0.00	0.00	0.00
05/11/2015	07:55:57	109	107	94	0.01	0.02	0.01
05/11/2015	09:43:57	107	107	88	0.01	0.03	0.01
05/11/2015	14:28:20	112	111	88	0.02	0.03	0.02
05/11/2015	15:05:52	111	111	93	0.01	0.02	0.01
06/11/2015	08:40:55	108	107	86	0.01	0.01	0.01
06/11/2015	09:08:46	104	104	85	0.01	0.02	0.01
07/11/2015	18:02:19	116	116	89	0.01	0.02	0.01
07/11/2015	18:12:56	115	115	86	0.00	0.01	0.00
07/11/2015	18:16:04	125	124	96	0.01	0.02	0.01
07/11/2015	18:29:25	120	119	89	0.01	0.03	0.01
07/11/2015	18:40:00	115	114	89	0.01	0.01	0.01
08/11/2015	18:25:53	130	129	100	0.01	0.02	0.01
08/11/2015	18:31:54	130	129	103	0.01	0.02	0.01
08/11/2015	18:45:11	127	126	101	0.01	0.02	0.01
08/11/2015	18:53:22	127	126	101	0.01	0.02	0.01
08/11/2015	18:55:29	130	130	102	0.01	0.02	0.01
11/11/2015	07:47:44	101	99	86	0.03	0.05	0.02
14/11/2015	20:00:03	117	117	91	0.01	0.01	0.01
14/11/2015	20:11:32	119	118	91	0.01	0.01	0.01
14/11/2015	20:21:03	121	120	92	0.01	0.01	0.01
14/11/2015	20:28:17	119	119	93	0.00	0.00	0.01
14/11/2015	20:31:52	116	116	89	0.01	0.01	0.01
14/11/2015	20:34:43	116	116	91	0.01	0.01	0.01
14/11/2015	20:40:03	120	119	90	0.01	0.01	0.01
14/11/2015	20:46:22	114	114	85	0.00	0.01	0.00
14/11/2015	20:54:27	114	113	89	0.01	0.01	0.01
14/11/2015	20:58:22	115	114	90	0.01	0.01	0.01
14/11/2015	21:04:41	115	115	93	0.01	0.01	0.01
14/11/2015	21:09:32	114	115	88	0.01	0.01	0.01
17/11/2015	18:35:57	127	123	86	0.05	0.08	0.04
17/11/2015	21:46:43	127	119	87	0.04	0.08	0.04
17/11/2015	22:01:52	123	119	86	0.04	0.09	0.05
17/11/2015	22:25:40	122	118	85	0.03	0.08	0.04
17/11/2015	23:03:40	126	120	85	0.03	0.08	0.03
17/12/2015	09:24:53	103	99	92	0.01	0.04	0.02
28/12/2015	08:20:34	101	98	86	0.00	0.00	0.00
28/12/2015	08:27:39	106	103	92	0.01	0.01	0.01
28/12/2015	11:16:00	107	105	90	0.00	0.01	0.00

TABLE 4.6 CTD: SHB_OS6 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
04/07/2015	13:03:26	123	121	95	0.01	0.03	0.02
10/07/2015	21:44:19	106	106	87	0.11	1.21	1.46
13/07/2015	13:10:01	90	140	110	12.02	0.02	0.01
20/07/2015	16:29:53	107	107	90	0.16	0.12	0.19
22/07/2015	09:53:18	111	109	86	0.04	0.08	0.06
24/07/2015	15:15:02	117	117	90	0.04	0.05	0.05
01/08/2015	14:24:45	106	104	88	0.02	0.02	0.02
01/08/2015	14:36:54	112	110	87	0.06	0.03	0.02
01/08/2015	14:45:12	109	107	85	0.10	0.11	0.15
08/08/2015	21:24:11	112	111	86	0.01	0.01	0.01
08/08/2015	21:25:45	113	113	89	0.01	0.01	0.01
16/08/2015	17:55:30	133	127	91	0.01	0.02	7.64
28/08/2015	20:51:08	123	121	95	0.01	0.02	0.02
06/09/2015	21:22:30	123	121	94	0.01	0.02	0.01
18/09/2015	12:35:39	99	99	87	0.01	0.02	0.02
27/09/2015	18:22:15	102	100	89	0.02	0.03	0.04
27/09/2015	18:30:13	100	98	88	0.02	0.03	0.04
27/09/2015	18:33:12	103	100	89	0.01	0.02	0.04
27/09/2015	18:34:50	101	101	87	0.02	0.03	0.05
27/09/2015	18:38:48	100	99	89	0.01	0.02	0.03
27/09/2015	18:40:22	108	108	88	0.02	0.03	0.03
27/09/2015	18:42:45	107	107	89	0.01	0.02	0.03
27/09/2015	18:48:59	103	101	90	0.01	0.03	0.03
30/09/2015	14:27:38	127	125	96	0.09	0.06	0.22
12/10/2015	09:55:45	123	121	86	0.01	0.02	0.02
16/10/2015	09:28:04	122	121	95	0.01	0.03	0.03
23/10/2015	20:42:40	122	122	97	0.11	0.06	0.11
23/10/2015	20:51:51	122	122	98	0.10	0.06	0.13
23/10/2015	22:14:49	116	115	87	0.01	0.03	0.04
24/10/2015	18:29:56	116	116	87	0.01	0.03	0.03
24/10/2015	19:30:15	114	114	86	0.02	0.05	0.04
24/10/2015	19:46:25	120	119	91	0.01	0.03	0.02
31/10/2015	18:12:23	111	111	86	0.02	0.04	0.03
31/10/2015	18:40:47	115	115	86	0.01	0.03	0.02
31/10/2015	18:50:02	121	121	92	0.03	0.05	0.05
31/10/2015	18:55:20	119	119	91	0.03	0.04	0.03
05/11/2015	19:59:02	112	111	88	0.01	0.03	0.03
05/11/2015	20:18:31	114	113	86	0.02	0.05	0.05
05/11/2015	21:26:41	110	109	86	0.02	0.04	0.04
06/11/2015	14:19:27	148	144	120	0.01	0.03	0.03
06/11/2015	17:41:52	115	114	86	0.02	0.04	0.05
06/11/2015	18:00:15	112	112	85	0.02	0.03	0.03
06/11/2015	18:21:17	112	112	87	0.01	0.03	0.03
06/11/2015	18:29:45	117	117	91	0.02	0.04	0.04
06/11/2015	18:42:44	118	118	90	0.02	0.03	0.05
06/11/2015	19:13:57	121	121	94	0.03	0.04	0.05
06/11/2015	20:26:48	109	109	85	0.01	0.04	0.03
06/11/2015	21:45:11	113	113	89	0.01	0.03	0.02

TABLE 4.7: SHB_OS7 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
07/11/2015	13:18:26	115	110	86	0.06	0.06	0.07
07/11/2015	17:03:46	118	118	92	0.01	0.04	0.04
07/11/2015	17:56:53	121	120	91	0.04	0.07	0.07
07/11/2015	18:09:04	116	115	89	0.02	0.06	0.06
07/11/2015	18:18:45	115	114	87	0.02	0.05	0.05
07/11/2015	18:51:50	122	121	94	0.04	0.05	0.07
07/11/2015	19:37:58	115	115	89	0.01	0.05	0.04
07/11/2015	19:42:23	122	121	95	0.02	0.06	0.06
07/11/2015	19:59:05	116	116	90	0.01	0.03	0.02
07/11/2015	20:20:03	116	115	87	0.01	0.04	0.04
07/11/2015	20:23:00	119	119	89	0.03	0.05	0.05
07/11/2015	21:00:51	115	114	87	0.02	0.04	0.04
07/11/2015	21:19:28	111	111	85	0.01	0.03	0.02
08/11/2015	17:05:08	115	114	90	0.01	0.05	0.05
08/11/2015	17:15:36	113	113	86	0.01	0.05	0.04
05/12/2015	08:28:37	133	126	90	0.01	0.03	0.03
05/12/2015	16:12:11	109	100	88	0.02	0.04	0.05
06/12/2015	14:40:30	110	109	87	0.05	0.11	0.06
22/12/2015	07:36:08	123	121	94	0.01	0.02	0.02
24/12/2015	20:43:38	115	114	89	0.01	0.03	0.02
24/12/2015	20:49:01	117	116	91	0.01	0.03	0.02
24/12/2015	20:52:47	108	108	85	0.01	0.03	0.03
24/12/2015	20:57:20	118	118	92	0.02	0.03	0.03
25/12/2015	18:49:09	110	111	87	0.03	0.03	0.04
26/12/2015	01:53:50	123	121	95	0.01	0.02	0.01
26/12/2015	02:49:02	104	135	105	0.01	0.02	0.01
26/12/2015	17:01:16	118	117	92	0.01	0.03	0.02
26/12/2015	17:08:30	110	111	86	0.01	0.03	0.03
26/12/2015	19:29:24	113	112	85	0.02	0.03	0.05
26/12/2015	19:32:07	115	115	87	0.01	0.03	0.03
26/12/2015	19:34:43	120	119	92	0.02	0.03	0.03
26/12/2015	19:40:26	119	120	93	0.02	0.03	0.03
31/12/2015	16:55:17	117	116	87	0.01	0.03	0.02
31/12/2015	17:00:16	116	116	90	0.02	0.06	0.05
31/12/2015	17:14:22	120	119	90	0.02	0.03	0.04
31/12/2015	17:23:53	116	116	88	0.01	0.02	0.02
31/12/2015	20:07:43	115	114	88	0.01	0.02	0.02
31/12/2015	20:11:20	112	112	88	0.01	0.02	0.02
31/12/2015	20:15:49	112	112	88	0.01	0.03	0.03
31/12/2015	22:24:51	114	115	87	0.01	0.02	0.02
31/12/2015	23:03:28	119	119	93	0.01	0.02	0.02
31/12/2015	23:08:29	103	104	92	0.01	0.02	0.02
31/12/2015	23:11:55	120	120	93	0.01	0.02	0.02
31/12/2015	23:14:49	109	110	86	0.01	0.02	0.02
31/12/2015	23:18:21	121	121	92	0.02	0.02	0.03
31/12/2015	23:33:45	116	116	89	0.01	0.02	0.01
31/12/2015	23:59:57	121	121	92	0.01	0.02	0.02

TABLE 4.7 CTD: SHB_OS7 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
28/06/2015	19:06:36	106	106	93	0.00	0.00	0.01
28/06/2015	19:27:29	99	99	86	0.01	0.01	0.03
29/06/2015	07:57:54	103	103	90	0.07	0.06	0.32
29/06/2015	09:30:28	105	105	89	0.00	0.01	0.01
29/06/2015	09:38:59	108	108	95	0.01	0.01	0.02
29/06/2015	09:44:11	112	112	100	0.02	0.02	0.03
29/06/2015	12:19:38	103	103	86	0.14	0.06	0.19
29/06/2015	16:58:23	106	106	93	0.01	0.01	0.02
29/06/2015	18:02:23	100	100	85	0.02	0.01	0.07
29/06/2015	20:17:44	103	103	89	0.01	0.00	0.02
30/06/2015	23:38:26	110	110	95	0.01	0.00	0.01
30/06/2015	23:44:48	100	100	86	0.02	0.01	0.02
01/07/2015	11:43:17	108	108	94	0.01	0.01	0.02
01/07/2015	11:54:16	100	100	88	0.01	0.01	0.01
01/07/2015	13:18:12	99	99	87	0.03	0.03	0.11
01/07/2015	18:48:30	105	105	92	0.03	0.03	0.09
01/07/2015	20:18:26	106	106	94	0.04	0.02	0.06
01/07/2015	20:55:09	102	103	92	0.01	0.01	0.03
01/07/2015	21:11:06	112	111	97	0.02	0.01	0.02
01/07/2015	21:13:53	105	105	95	0.01	0.00	0.01
01/07/2015	21:53:44	107	107	95	0.02	0.01	0.02
02/07/2015	09:17:46	105	105	98	0.02	0.01	0.04
02/07/2015	09:20:51	106	106	93	0.01	0.01	0.02
02/07/2015	09:51:27	106	106	92	0.04	0.04	0.10
02/07/2015	12:12:57	104	104	91	0.01	0.01	0.01
02/07/2015	15:18:00	108	108	99	0.06	0.02	0.07
02/07/2015	20:13:48	102	102	92	0.00	0.01	0.02
02/07/2015	20:28:23	102	102	91	0.00	0.00	0.00
02/07/2015	22:49:01	106	106	94	0.00	0.00	0.01
03/07/2015	08:15:41	100	100	87	0.04	0.05	0.22
03/07/2015	11:01:47	98	94	87	0.04	0.03	0.04
04/07/2015	10:44:48	109	109	95	0.01	0.01	0.01
04/07/2015	18:50:34	106	106	93	0.00	0.00	0.01
04/07/2015	19:39:40	104	103	91	0.00	0.00	0.01
04/07/2015	19:44:13	106	106	93	0.00	0.00	0.01
04/07/2015	20:25:47	106	106	92	0.00	0.00	0.01
04/07/2015	21:46:00	107	107	93	0.01	0.00	0.02
05/07/2015	15:22:13	105	105	93	0.00	0.00	0.01
05/07/2015	15:25:28	109	108	95	0.01	0.01	0.03
06/07/2015	19:18:50	103	103	93	0.00	0.00	0.01
06/07/2015	20:52:33	107	107	93	0.00	0.00	0.01
06/07/2015	20:53:51	108	108	95	0.02	0.01	0.06
07/07/2015	17:31:35	105	104	90	0.02	0.02	0.04
07/07/2015	17:43:42	106	106	93	0.04	0.04	0.10
07/07/2015	21:02:33	106	106	92	0.02	0.01	0.07
09/07/2015	14:18:46	106	106	94	0.02	0.01	0.02
09/07/2015	15:48:42	107	107	94	0.02	0.01	0.05
09/07/2015	15:51:02	108	108	94	0.03	0.04	0.10

TABLE 4.8: SHB_OS8 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
09/07/2015	19:21:27	107	108	89	0.12	0.03	0.05
11/07/2015	09:30:43	105	105	93	0.04	0.04	0.10
11/07/2015	10:43:29	104	104	92	0.01	0.01	0.01
11/07/2015	11:01:27	102	102	92	0.01	0.00	0.03
11/07/2015	11:20:14	102	102	88	0.01	0.00	0.01
11/07/2015	13:51:51	103	103	92	0.03	0.02	0.06
11/07/2015	14:26:17	105	104	93	0.04	0.04	0.09
11/07/2015	20:37:26	111	111	97	0.01	0.00	0.03
11/07/2015	20:55:58	104	104	91	0.01	0.00	0.00
11/07/2015	20:57:42	106	106	92	0.01	0.01	0.02
13/07/2015	07:49:02	116	116	102	0.03	0.03	0.08
13/07/2015	07:50:55	106	105	92	0.02	0.02	0.03
14/07/2015	09:57:26	105	105	92	0.01	0.01	0.02
14/07/2015	10:00:16	105	105	92	0.01	0.01	0.03
15/07/2015	15:41:12	104	104	91	0.01	0.01	0.02
15/07/2015	15:54:51	106	106	96	0.02	0.01	0.03
15/07/2015	20:14:18	103	103	92	0.01	0.00	0.01
16/07/2015	12:30:27	107	107	95	0.03	0.01	0.04
16/07/2015	12:48:16	104	104	94	0.01	0.01	0.02
16/07/2015	12:54:29	103	103	95	0.02	0.01	0.05
16/07/2015	13:43:10	108	108	96	0.01	0.01	0.02
16/07/2015	13:57:40	112	112	98	0.01	0.01	0.01
16/07/2015	13:58:57	108	108	99	0.07	0.04	0.12
17/07/2015	10:40:27	105	105	93	0.02	0.02	0.06
17/07/2015	12:10:16	108	108	95	0.02	0.01	0.03
17/07/2015	16:39:25	103	103	90	0.04	0.01	0.02
17/07/2015	20:52:45	106	106	95	0.01	0.00	0.01
17/07/2015	21:01:47	104	104	95	0.01	0.00	0.01
17/07/2015	22:05:08	105	105	93	0.02	0.02	0.04
18/07/2015	11:52:52	107	107	96	0.01	0.01	0.02
18/07/2015	11:55:34	106	106	95	0.01	0.00	0.01
18/07/2015	11:59:51	106	106	94	0.02	0.01	0.06
18/07/2015	14:13:45	112	112	98	0.09	0.03	0.18
18/07/2015	14:23:45	106	106	91	0.01	0.00	0.01
18/07/2015	20:24:45	107	107	95	0.01	0.00	0.01
18/07/2015	20:42:45	106	106	95	0.02	0.01	0.01
18/07/2015	20:46:29	105	105	95	0.04	0.01	0.02
18/07/2015	20:53:55	103	103	90	0.03	0.04	0.10
19/07/2015	10:23:01	109	109	98	0.00	0.01	0.01
19/07/2015	10:28:03	110	110	99	0.01	0.00	0.00
19/07/2015	10:48:38	107	107	92	0.02	0.01	0.06
19/07/2015	19:07:19	104	104	91	0.00	0.00	0.01
19/07/2015	19:23:46	107	107	97	0.00	0.00	0.01
19/07/2015	19:57:54	108	108	96	0.01	0.01	0.01
19/07/2015	21:17:34	104	104	93	0.02	0.01	0.02
19/07/2015	22:15:30	99	99	94	0.01	0.01	0.02
20/07/2015	19:20:12	104	104	94	0.01	0.01	0.01
20/07/2015	19:47:48	106	106	94	0.04	0.04	0.10
21/07/2015	08:46:19	107	107	94	0.01	0.01	0.01

TABLE 4.8 CTD: SHB_OS8 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
21/07/2015	09:06:37	107	107	95	0.02	0.01	0.01
21/07/2015	09:08:06	107	107	95	0.01	0.01	0.01
21/07/2015	09:20:22	107	107	94	0.01	0.01	0.01
21/07/2015	09:26:23	111	111	99	0.01	0.01	0.02
21/07/2015	09:42:40	109	109	95	0.02	0.01	0.04
21/07/2015	19:24:52	106	106	95	0.02	0.01	0.06
22/07/2015	09:07:22	108	108	95	0.01	0.01	0.01
22/07/2015	10:13:11	109	109	96	0.01	0.01	0.02
22/07/2015	22:27:32	99	99	89	0.05	0.05	0.11
23/07/2015	09:07:27	106	106	96	0.01	0.01	0.02
23/07/2015	09:27:41	105	105	94	0.05	0.04	0.10
23/07/2015	10:36:53	105	105	93	0.01	0.00	0.01
23/07/2015	11:41:09	106	106	94	0.03	0.02	0.06
23/07/2015	11:50:06	108	108	95	0.02	0.01	0.04
23/07/2015	14:14:39	105	105	94	0.05	0.02	0.08
23/07/2015	19:42:58	106	106	94	0.02	0.02	0.03
23/07/2015	20:09:07	107	107	95	0.02	0.01	0.04
23/07/2015	20:26:30	103	103	88	0.04	0.05	0.11
23/07/2015	22:07:32	112	112	97	0.01	0.00	0.01
24/07/2015	09:10:33	104	104	95	0.01	0.01	0.01
24/07/2015	10:02:40	110	110	96	0.03	0.02	0.09
25/07/2015	04:34:45	114	105	85	0.04	0.03	0.07
25/07/2015	05:10:12	116	108	86	0.01	0.02	0.03
26/07/2015	08:37:28	105	105	92	0.01	0.01	0.02
27/07/2015	07:48:36	110	110	98	0.03	0.05	0.05
28/07/2015	08:41:45	108	108	95	0.01	0.01	0.02
28/07/2015	08:53:28	107	107	95	0.05	0.03	0.06
01/08/2015	10:55:05	105	105	92	0.00	0.00	0.02
01/08/2015	11:05:05	107	107	96	0.03	0.02	0.04
01/08/2015	11:32:43	107	107	95	0.01	0.01	0.01
01/08/2015	11:51:43	103	103	94	0.01	0.00	0.01
01/08/2015	12:02:11	105	105	93	0.10	0.07	0.07
01/08/2015	12:04:47	104	104	92	0.01	0.00	0.01
01/08/2015	17:20:33	101	98	87	0.02	0.01	0.05
01/08/2015	21:42:55	111	110	89	0.01	0.01	0.03
01/08/2015	21:51:13	128	127	102	0.05	0.02	0.12
01/08/2015	21:53:15	105	105	91	0.02	0.00	0.02
01/08/2015	21:54:51	102	100	86	0.01	0.00	0.02
01/08/2015	22:08:48	128	126	98	0.05	0.05	0.10
01/08/2015	22:11:11	126	125	97	0.00	0.00	0.01
01/08/2015	22:14:44	119	118	89	0.00	0.00	0.01
01/08/2015	22:16:23	126	124	96	0.01	0.00	0.01
02/08/2015	11:19:34	105	105	92	0.06	0.05	0.10
02/08/2015	11:29:18	102	102	91	0.02	0.01	0.04
02/08/2015	11:40:30	111	111	99	0.06	0.06	0.09
02/08/2015	22:02:09	105	105	92	0.04	0.04	0.10
03/08/2015	09:01:50	103	103	91	0.02	0.02	0.02
03/08/2015	09:04:13	107	107	95	0.03	0.03	0.08
03/08/2015	09:07:43	107	107	96	0.01	0.01	0.01

TABLE 4.8 CTD: SHB_OS8 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
03/08/2015	09:31:11	100	100	86	0.01	0.01	0.01
03/08/2015	09:32:25	105	105	95	0.01	0.01	0.04
03/08/2015	19:32:28	104	104	91	0.01	0.00	0.01
04/08/2015	17:06:56	105	104	88	0.08	0.04	0.28
05/08/2015	08:40:28	109	109	97	0.01	0.01	0.03
05/08/2015	10:12:18	105	105	94	0.01	0.01	0.05
05/08/2015	10:24:22	103	103	92	0.01	0.01	0.01
05/08/2015	11:33:16	107	107	93	0.06	0.04	0.09
05/08/2015	18:36:53	103	103	93	0.03	0.01	0.05
05/08/2015	18:46:04	103	103	94	0.02	0.01	0.04
06/08/2015	15:01:50	107	107	94	0.07	0.03	0.13
07/08/2015	10:30:49	104	104	94	0.02	0.01	0.05
07/08/2015	11:37:57	105	105	93	0.01	0.01	0.03
07/08/2015	15:49:08	112	112	95	0.06	0.04	0.12
07/08/2015	20:02:30	105	105	93	0.04	0.02	0.07
08/08/2015	10:53:46	105	105	91	0.01	0.01	0.02
08/08/2015	11:06:58	108	107	98	0.06	0.03	0.08
08/08/2015	16:44:52	110	110	87	0.03	0.01	0.03
08/08/2015	16:48:02	107	107	88	0.02	0.01	0.04
08/08/2015	19:55:15	102	102	89	0.04	0.02	0.10
09/08/2015	09:30:49	105	105	91	0.01	0.01	0.04
09/08/2015	10:36:55	112	112	101	0.02	0.02	0.02
09/08/2015	12:54:56	106	106	96	0.06	0.03	0.05
09/08/2015	17:43:23	104	104	94	0.02	0.01	0.03
10/08/2015	19:13:46	100	100	88	0.02	0.01	0.03
11/08/2015	10:43:27	105	105	93	0.01	0.01	0.02
11/08/2015	10:53:00	107	107	94	0.01	0.00	0.01
11/08/2015	11:18:33	106	106	93	0.01	0.00	0.02
11/08/2015	14:29:14	104	104	93	0.02	0.02	0.03
12/08/2015	16:39:45	104	104	94	0.01	0.01	0.01
12/08/2015	16:43:00	106	106	95	0.01	0.01	0.02
13/08/2015	12:24:36	119	120	91	0.06	0.04	0.07
13/08/2015	12:31:38	118	117	92	0.08	0.03	0.09
13/08/2015	12:33:30	123	123	101	0.08	0.06	0.17
13/08/2015	12:35:07	109	110	85	0.08	0.03	0.10
13/08/2015	12:40:38	110	111	86	0.03	0.02	0.06
13/08/2015	12:42:15	119	123	92	0.07	0.06	0.10
13/08/2015	12:56:33	117	115	90	0.05	0.03	0.09
13/08/2015	12:59:03	111	110	88	0.02	0.01	0.04
13/08/2015	13:01:20	114	112	90	0.06	0.03	0.08
14/08/2015	11:29:45	99	99	89	0.01	0.00	0.01
14/08/2015	11:40:04	111	111	99	0.02	0.01	0.08
14/08/2015	11:55:42	103	103	91	0.02	0.01	0.03
14/08/2015	12:04:46	107	107	95	0.01	0.01	0.05
14/08/2015	14:42:18	108	108	96	0.02	0.02	0.06
15/08/2015	12:37:55	109	109	95	0.01	0.01	0.04
15/08/2015	15:40:24	103	103	86	0.01	0.01	0.02
15/08/2015	16:27:21	106	106	97	0.00	0.00	0.02
15/08/2015	16:31:58	96	96	86	0.01	0.01	0.01

TABLE 4.8 CTD: SHB_OS8 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
16/08/2015	11:59:06	104	104	94	0.02	0.01	0.06
16/08/2015	19:47:15	101	101	91	0.03	0.01	0.03
17/08/2015	10:41:11	97	97	87	0.01	0.01	0.01
17/08/2015	11:25:48	111	110	97	0.03	0.04	0.07
17/08/2015	11:29:37	107	107	94	0.01	0.01	0.01
20/08/2015	14:11:22	101	100	88	0.01	0.01	0.02
20/08/2015	17:55:30	104	104	92	0.02	0.02	0.08
20/08/2015	18:00:51	104	104	90	0.07	0.04	0.10
21/08/2015	10:44:58	109	109	98	0.01	0.01	0.04
21/08/2015	11:28:29	100	100	86	0.02	0.01	0.04
21/08/2015	11:37:18	104	104	93	0.01	0.01	0.02
21/08/2015	18:00:46	106	106	94	0.02	0.01	0.08
22/08/2015	09:14:41	105	105	92	0.01	0.01	0.04
22/08/2015	10:13:58	109	109	99	0.01	0.01	0.02
23/08/2015	09:58:10	104	103	92	0.01	0.01	0.02
23/08/2015	10:09:17	105	105	93	0.02	0.02	0.03
23/08/2015	10:24:40	108	107	95	0.02	0.01	0.05
23/08/2015	12:31:04	109	109	96	0.01	0.01	0.02
23/08/2015	13:02:55	110	110	99	0.01	0.00	0.01
23/08/2015	13:04:59	104	104	91	0.01	0.00	0.01
24/08/2015	08:33:05	112	112	100	0.03	0.03	0.08
24/08/2015	16:20:02	110	108	87	0.03	0.01	0.04
26/08/2015	12:17:19	111	111	98	0.01	0.01	0.03
26/08/2015	13:57:31	106	106	96	0.09	0.04	0.09
27/08/2015	13:05:58	95	94	87	0.01	0.01	0.01
27/08/2015	13:40:56	98	98	89	0.01	0.01	0.01
27/08/2015	13:49:25	100	100	90	0.01	0.00	0.01
27/08/2015	16:42:59	111	111	98	0.01	0.01	0.02
27/08/2015	16:44:51	105	105	85	0.00	0.01	0.01
27/08/2015	16:47:38	108	108	98	0.01	0.01	0.02
28/08/2015	15:18:50	107	107	91	0.02	0.02	0.04
28/08/2015	20:43:50	104	103	96	0.01	0.00	0.01
28/08/2015	20:48:37	124	123	102	0.03	0.02	0.07
28/08/2015	20:57:03	129	127	100	0.02	0.01	0.03
29/08/2015	10:10:05	107	107	94	0.00	0.00	0.01
29/08/2015	10:18:26	108	108	94	0.01	0.01	0.01
29/08/2015	10:30:37	107	107	97	0.01	0.01	0.02
31/08/2015	10:38:48	96	96	85	0.07	0.05	0.10
31/08/2015	17:19:03	97	96	87	0.01	0.01	0.01
01/09/2015	11:01:38	98	98	86	0.02	0.01	0.04
05/09/2015	17:12:48	104	103	92	0.02	0.01	0.03
07/09/2015	08:18:50	113	113	99	0.07	0.07	0.22
09/09/2015	09:48:01	103	103	91	0.01	0.02	0.04
09/09/2015	10:48:12	106	106	92	0.01	0.01	0.04
09/09/2015	11:08:50	106	106	93	0.01	0.01	0.03
09/09/2015	11:28:00	105	105	94	0.01	0.01	0.01
09/09/2015	11:32:48	103	103	91	0.01	0.01	0.02
10/09/2015	21:06:29	104	104	87	0.01	0.01	0.01
11/09/2015	14:29:55	106	106	91	0.02	0.02	0.04

TABLE 4.8 CTD: SHB_OS8 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
16/09/2015	22:24:05	95	95	86	0.03	0.01	0.02
19/09/2015	16:11:09	101	101	87	0.01	0.01	0.03
19/09/2015	16:53:01	106	106	92	0.02	0.01	0.05
19/09/2015	17:38:48	105	105	96	0.01	0.01	0.02
19/09/2015	17:41:16	104	104	95	0.02	0.01	0.06
20/09/2015	10:42:04	105	105	93	0.01	0.01	0.01
20/09/2015	10:44:38	104	104	96	0.02	0.01	0.02
20/09/2015	15:49:22	99	99	87	0.03	0.05	0.04
20/09/2015	15:56:31	97	97	86	0.01	0.01	0.03
21/09/2015	10:43:51	104	104	91	0.03	0.07	0.05
21/09/2015	10:48:23	97	96	87	0.04	0.02	0.06
26/09/2015	13:09:36	101	100	87	0.04	0.02	0.09
26/09/2015	18:51:28	99	99	86	0.06	0.05	0.11
27/09/2015	16:58:58	98	98	89	0.01	0.01	0.03
28/09/2015	10:23:30	111	111	98	0.01	0.01	0.03
29/09/2015	13:22:12	99	99	88	0.03	0.02	0.04
30/09/2015	11:55:41	136	134	103	0.09	0.05	0.26
30/09/2015	12:13:21	120	117	89	0.05	0.02	0.04
30/09/2015	12:17:24	147	147	118	0.02	0.01	0.03
30/09/2015	12:23:46	114	110	85	0.02	0.02	0.06
30/09/2015	12:27:44	137	130	96	0.01	0.01	0.05
30/09/2015	12:29:01	123	119	92	0.02	0.02	0.03
01/10/2015	07:57:39	105	104	88	0.01	0.01	0.02
01/10/2015	08:34:20	104	104	86	0.07	0.04	0.08
01/10/2015	09:10:49	108	108	89	0.08	0.05	0.06
02/10/2015	11:48:19	106	106	94	0.01	0.01	0.01
02/10/2015	12:11:55	101	101	90	0.01	0.01	0.01
03/10/2015	22:30:00	112	111	100	0.00	0.01	0.01
03/10/2015	22:32:58	122	121	97	0.02	0.02	0.05
03/10/2015	22:35:44	118	117	90	0.01	0.01	0.01
03/10/2015	22:45:07	133	132	104	0.02	0.02	0.07
03/10/2015	22:47:15	114	113	88	0.04	0.02	0.05
07/10/2015	15:20:40	106	99	87	0.01	0.01	0.03
09/10/2015	13:33:00	106	105	87	0.09	0.13	0.35
09/10/2015	15:10:20	100	98	86	0.03	0.03	0.09
18/10/2015	01:54:05	112	111	92	0.01	0.01	0.02
18/10/2015	02:00:11	125	125	96	0.03	0.02	0.05
19/10/2015	07:55:09	113	112	100	0.03	0.06	0.07
19/10/2015	10:43:31	97	96	86	0.02	0.01	0.02
20/10/2015	14:53:24	100	100	86	0.02	0.02	0.04
22/10/2015	10:39:04	106	106	88	0.11	0.10	0.18
24/10/2015	00:07:30	121	120	95	0.01	0.01	0.03
24/10/2015	12:07:42	109	109	95	0.03	0.01	0.03
24/10/2015	12:17:42	113	113	101	0.03	0.01	0.05
24/10/2015	16:49:27	101	101	87	0.02	0.01	0.03
24/10/2015	22:59:37	129	128	104	0.03	0.03	0.10
25/10/2015	09:47:17	105	105	94	0.04	0.04	0.10
25/10/2015	09:56:34	106	106	95	0.02	0.02	0.02
25/10/2015	18:31:42	116	116	88	0.02	0.02	0.07

TABLE 4.8 CTD: SHB_OS8 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
26/10/2015	08:43:18	105	105	93	0.01	0.01	0.02
26/10/2015	08:52:28	106	106	92	0.01	0.01	0.01
26/10/2015	08:56:11	105	105	92	0.10	0.03	0.10
26/10/2015	09:10:24	101	101	89	0.02	0.02	0.08
27/10/2015	12:37:28	103	103	91	0.03	0.01	0.09
28/10/2015	16:04:56	97	96	87	0.03	0.02	0.02
29/10/2015	14:19:17	104	104	86	0.03	0.03	0.05
29/10/2015	15:08:19	109	110	91	0.04	0.02	0.05
30/10/2015	09:53:04	109	109	92	0.08	0.06	0.13
31/10/2015	08:44:50	105	105	96	0.01	0.01	0.01
31/10/2015	08:51:26	104	104	91	0.05	0.05	0.12
02/11/2015	08:32:21	111	111	98	0.04	0.07	0.08
02/11/2015	10:46:59	96	96	85	0.03	0.03	0.03
02/11/2015	20:17:21	125	124	99	0.03	0.02	0.07
02/11/2015	20:21:12	101	100	90	0.29	0.19	0.23
02/11/2015	20:23:21	129	128	102	0.05	0.02	0.10
02/11/2015	20:34:13	113	112	86	0.40	0.25	0.29
02/11/2015	20:40:03	121	120	93	0.01	0.01	0.02
05/11/2015	10:47:12	107	107	94	0.02	0.02	0.07
05/11/2015	11:06:00	108	108	96	0.01	0.01	0.02
05/11/2015	11:15:50	106	106	93	0.03	0.03	0.06
05/11/2015	11:26:23	106	106	94	0.04	0.04	0.11
05/11/2015	12:15:52	108	108	97	0.03	0.02	0.09
05/11/2015	12:43:44	109	109	95	0.02	0.01	0.02
05/11/2015	12:50:03	105	105	93	0.01	0.01	0.02
05/11/2015	13:06:15	105	105	96	0.01	0.01	0.01
05/11/2015	14:40:03	106	105	97	0.02	0.01	0.05
05/11/2015	14:50:30	105	105	94	0.05	0.04	0.12
05/11/2015	17:42:55	111	111	85	0.02	0.01	0.04
05/11/2015	18:15:36	110	110	86	0.02	0.01	0.05
06/11/2015	12:44:47	118	117	90	0.07	0.05	0.06
06/11/2015	19:06:25	119	118	92	0.03	0.04	0.09
07/11/2015	00:31:59	126	125	98	0.05	0.04	0.10
07/11/2015	01:27:02	140	139	115	0.49	0.45	1.80
07/11/2015	01:36:15	113	112	90	0.01	0.00	0.01
07/11/2015	01:39:22	140	139	115	0.99	0.66	1.76
07/11/2015	13:18:23	106	107	93	0.01	0.01	0.03
07/11/2015	15:35:15	111	111	99	0.06	0.08	0.14
07/11/2015	18:07:02	116	115	89	0.03	0.02	0.04
07/11/2015	18:50:01	130	130	105	0.09	0.05	0.18
07/11/2015	18:57:01	107	106	86	0.04	0.04	0.09
07/11/2015	18:59:18	130	129	103	0.07	0.06	0.16
07/11/2015	20:13:12	128	127	101	0.06	0.02	0.08
07/11/2015	20:18:29	133	132	107	0.35	0.17	0.64
07/11/2015	20:21:56	118	116	88	0.01	0.01	0.03
07/11/2015	20:25:51	131	130	105	0.08	0.05	0.15
07/11/2015	20:40:10	135	134	109	0.13	0.08	0.28
07/11/2015	20:47:49	138	137	110	0.31	0.18	0.74
08/11/2015	19:31:06	134	132	106	0.08	0.04	0.17

TABLE 4.8 CTD: SHB_OS8 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
08/11/2015	19:37:30	113	111	91	0.02	0.01	0.03
08/11/2015	20:39:19	120	117	92	0.00	0.00	0.01
09/11/2015	09:32:17	105	105	86	0.06	0.04	0.09
13/11/2015	20:16:23	136	135	109	0.16	0.10	0.43
13/11/2015	23:52:43	132	131	105	0.09	0.05	0.23
13/11/2015	23:57:03	123	122	93	0.02	0.02	0.04
14/11/2015	00:49:15	129	127	98	0.02	0.02	0.08
14/11/2015	00:51:44	137	137	109	0.08	0.07	0.19
14/11/2015	00:56:53	133	131	107	0.07	0.06	0.18
14/11/2015	01:05:54	131	130	106	0.09	0.06	0.20
16/11/2015	08:14:31	109	108	97	0.04	0.04	0.10
19/11/2015	11:57:20	105	103	85	0.04	0.03	0.13
21/11/2015	11:16:09	117	112	87	0.05	0.07	0.15
25/11/2015	12:36:51	109	109	98	0.04	0.09	0.13
28/11/2015	11:31:20	111	111	93	0.02	0.01	0.03
28/11/2015	14:22:26	105	105	90	0.02	0.01	0.04
30/11/2015	08:22:52	110	109	97	0.03	0.05	0.05
01/12/2015	10:19:50	105	105	85	0.00	0.00	0.01
04/12/2015	08:00:25	106	104	86	0.08	0.09	0.35
09/12/2015	09:20:10	107	107	93	0.05	0.06	0.08
14/12/2015	08:09:28	109	109	94	0.03	0.05	0.05
20/12/2015	12:02:24	104	104	92	0.01	0.01	0.04
20/12/2015	12:09:55	106	106	95	0.05	0.05	0.07
21/12/2015	07:17:06	106	105	87	0.02	0.01	0.03
30/12/2015	08:16:31	111	111	99	0.04	0.10	0.10
31/12/2015	09:29:12	111	111	98	0.01	0.02	0.03
31/12/2015	09:39:57	106	106	95	0.01	0.01	0.03
31/12/2015	09:43:23	106	106	95	0.02	0.01	0.05
31/12/2015	09:53:19	106	106	93	0.08	0.06	0.13
31/12/2015	22:12:10	111	111	85	0.01	0.00	0.01
01/12/2015	10:19:50	105	105	85	0.00	0.00	0.01
04/12/2015	08:00:25	106	104	86	0.08	0.09	0.35
09/12/2015	09:20:10	107	107	93	0.05	0.06	0.08
14/12/2015	08:09:28	109	109	94	0.03	0.05	0.05
20/12/2015	12:02:24	104	104	92	0.01	0.01	0.04
20/12/2015	12:09:55	106	106	95	0.05	0.05	0.07
21/12/2015	07:17:06	106	105	87	0.02	0.01	0.03
30/12/2015	08:16:31	111	111	99	0.04	0.10	0.10
31/12/2015	09:29:12	111	111	98	0.01	0.02	0.03
31/12/2015	09:39:57	106	106	95	0.01	0.01	0.03
31/12/2015	09:43:23	106	106	95	0.02	0.01	0.05
31/12/2015	09:53:19	106	106	93	0.08	0.06	0.13
31/12/2015	22:12:10	111	111	85	0.01	0.00	0.01

TABLE 4.8 CTD: SHB_OS8 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
02/07/2015	17:21:54	94	94	87	0.01	0.02	0.05
07/07/2015	05:18:37	98	98	87	0.00	0.00	0.00
08/07/2015	13:19:25	114	110	92	0.05	0.06	0.21
13/07/2015	12:41:12	101	101	89	0.00	0.00	0.00
16/07/2015	15:50:51	109	110	90	0.01	0.02	0.02
21/07/2015	17:33:05	102	100	89	0.01	0.01	0.01
22/07/2015	12:42:28	105	103	89	0.01	0.03	0.02
15/08/2015	13:05:08	99	99	85	0.00	0.00	0.01
15/08/2015	13:13:10	103	103	92	0.00	0.01	0.01
15/08/2015	13:22:23	101	101	87	0.01	0.01	0.01
15/08/2015	13:38:38	99	99	86	0.00	0.00	0.01
15/08/2015	15:12:23	106	106	87	0.01	0.03	0.04
15/08/2015	15:42:42	122	121	102	0.02	0.03	0.06
15/08/2015	15:45:35	105	105	85	0.01	0.02	0.06
15/08/2015	15:46:35	122	122	106	0.03	0.05	0.11
15/08/2015	15:50:29	104	104	87	0.00	0.01	0.01
09/09/2015	11:01:42	102	100	85	0.00	0.01	0.01
15/09/2015	19:16:37	98	97	87	0.01	0.01	0.01
26/09/2015	18:40:07	99	99	89	0.00	0.00	0.01
30/09/2015	09:55:04	148	148	121	0.07	0.10	0.08
09/09/2015	11:01:42	102	100	85	0.00	0.01	0.01
04/11/2015	20:39:32	121	120	91	0.00	0.00	0.01
05/11/2015	19:11:56	120	119	92	0.01	0.02	0.03
05/11/2015	19:18:26	121	121	92	0.02	0.02	0.04
05/11/2015	20:38:18	111	111	86	0.00	0.00	0.00
07/11/2015	20:57:42	116	116	86	0.00	0.00	0.00
08/11/2015	17:32:49	127	127	100	0.07	0.08	0.23
08/11/2015	17:49:52	111	111	89	0.00	0.00	0.00
18/11/2015	11:42:23	109	107	88	0.01	0.01	0.01
18/12/2015	13:09:06	100	100	89	0.01	0.01	0.01
19/12/2015	13:09:54	109	105	86	0.03	0.02	0.06
27/12/2015	16:07:04	96	95	85	0.01	0.02	0.01
31/12/2015	17:30:08	116	115	88	0.01	0.01	0.01
31/12/2015	17:44:01	119	118	90	0.01	0.01	0.01
31/12/2015	17:46:09	121	120	93	0.01	0.01	0.01
31/12/2015	22:20:16	129	127	98	0.01	0.02	0.04

TABLE 4.9: SHB_OS9 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
09/07/2015	13:02:28	105	105	93	0.06	0.07	0.02
24/07/2015	12:50:53	96	96	86	0.00	0.00	0.00
10/08/2015	08:56:10	102	101	87	0.72	0.98	0.24
10/08/2015	09:04:11	104	102	88	0.09	0.05	0.03
10/08/2015	10:10:29	110	109	97	0.27	0.23	0.08
10/08/2015	10:55:06	99	98	85	0.19	0.28	0.11
10/08/2015	10:58:00	112	111	93	0.34	0.16	0.13
10/08/2015	11:00:54	111	109	93	0.27	0.18	0.13
10/08/2015	11:03:37	113	113	95	0.66	0.37	0.29
10/08/2015	11:19:26	102	101	86	0.18	0.13	0.05
10/08/2015	11:23:45	107	106	90	0.18	0.21	0.08
10/08/2015	11:28:27	107	106	91	0.09	0.07	0.04
10/08/2015	11:33:14	107	107	92	0.07	0.20	0.06
10/08/2015	13:31:31	98	98	85	0.04	0.04	0.03
10/08/2015	13:46:39	106	105	88	0.29	0.49	0.09
10/08/2015	13:49:45	102	101	87	0.06	0.03	0.02
10/08/2015	13:51:21	102	102	96	0.04	0.03	0.02
10/08/2015	14:17:59	106	106	88	0.01	0.01	0.01
10/08/2015	14:23:07	104	103	87	0.04	0.04	0.02
22/08/2015	19:32:33	94	94	86	0.03	0.04	0.02
30/09/2015	08:15:26	111	108	87	2.74	1.95	1.95
30/09/2015	08:21:26	107	104	92	1.11	1.51	0.57
30/09/2015	08:26:33	148	147	121	0.21	0.22	0.07
30/09/2015	08:42:18	136	131	95	2.31	4.32	1.77
30/09/2015	08:46:00	112	107	98	0.55	0.74	0.71
03/10/2015	21:00:19	111	110	86	0.01	0.02	0.01
03/10/2015	21:05:55	115	115	86	0.05	0.06	0.07
19/10/2015	08:26:21	114	111	94	0.01	0.01	0.00
23/10/2015	11:57:02	104	101	97	0.01	0.01	0.00
23/10/2015	14:02:16	100	96	93	0.01	0.00	0.01
23/10/2015	15:33:21	109	107	88	0.01	0.01	0.01
23/10/2015	15:36:56	112	110	92	0.01	0.01	0.00
23/10/2015	17:55:41	112	109	91	0.01	0.01	0.01
28/10/2015	18:13:53	115	115	87	0.05	0.05	0.15
31/10/2015	09:47:28	110	108	96	0.00	0.01	0.00
31/10/2015	11:12:17	96	95	86	0.00	0.00	0.00
03/11/2015	16:27:39	96	96	85	0.00	0.00	0.01
04/11/2015	12:14:45	98	95	91	0.01	0.01	0.00
04/11/2015	14:48:14	109	107	87	0.01	0.01	0.01
04/11/2015	15:29:21	104	103	97	0.01	0.01	0.00
04/11/2015	20:48:31	112	111	86	0.03	0.02	0.05
04/11/2015	21:16:31	113	113	87	0.02	0.01	0.05
04/11/2015	21:23:41	112	112	88	0.02	0.01	0.04
04/11/2015	21:26:56	120	120	91	0.03	0.02	0.05
05/11/2015	18:22:09	115	114	86	0.02	0.01	0.02
05/11/2015	19:58:18	127	126	99	0.22	0.33	0.73
05/11/2015	20:03:30	136	135	106	0.36	0.41	1.09
05/11/2015	20:13:10	128	127	98	0.06	0.08	0.23

TABLE 4.10: SHB_OS10 LOCALLY TRIGGERED EVENTS

Date	Time	L_{Zpeak}	L_{Cpeak}	$L_{Amax,F}$	PPV X mms^{-1}	PPV Y mms^{-1}	PPV Z mms^{-1}
05/11/2015	20:17:33	133	133	105	0.32	0.39	1.17
05/11/2015	20:26:07	131	130	101	0.07	0.07	0.21
05/11/2015	20:31:10	134	134	104	0.37	0.44	1.61
06/11/2015	19:42:45	111	112	85	0.05	0.04	0.15
06/11/2015	20:52:25	117	117	90	0.05	0.03	0.12
07/11/2015	18:37:32	113	112	85	0.05	0.03	0.15
07/11/2015	19:12:30	114	114	87	0.01	0.01	0.02
07/11/2015	19:28:39	115	114	86	0.02	0.01	0.04
08/11/2015	19:10:28	114	114	87	0.05	0.03	0.12
16/11/2015	14:51:47	97	97	87	0.01	0.01	0.01
21/11/2015	11:19:43	130	121	86	0.12	0.19	0.09
21/11/2015	11:23:29	126	122	86	0.12	0.19	0.13
21/11/2015	11:37:57	126	121	87	0.20	0.24	0.19
21/11/2015	11:41:46	126	121	86	0.21	0.22	0.22
21/11/2015	11:50:01	129	121	86	0.15	0.22	0.13
21/11/2015	11:56:46	127	123	88	0.15	0.18	0.12
21/11/2015	11:59:19	129	123	88	0.23	0.22	0.22
21/11/2015	15:32:32	126	124	86	0.14	0.19	0.11
21/11/2015	16:17:10	123	118	86	0.11	0.13	0.12
21/11/2015	16:39:24	128	121	85	0.13	0.13	0.10
24/12/2015	08:14:10	102	97	86	0.04	0.05	0.03

TABLE 4.10 CTD: SHB_OS10 LOCALLY TRIGGERED EVENTS

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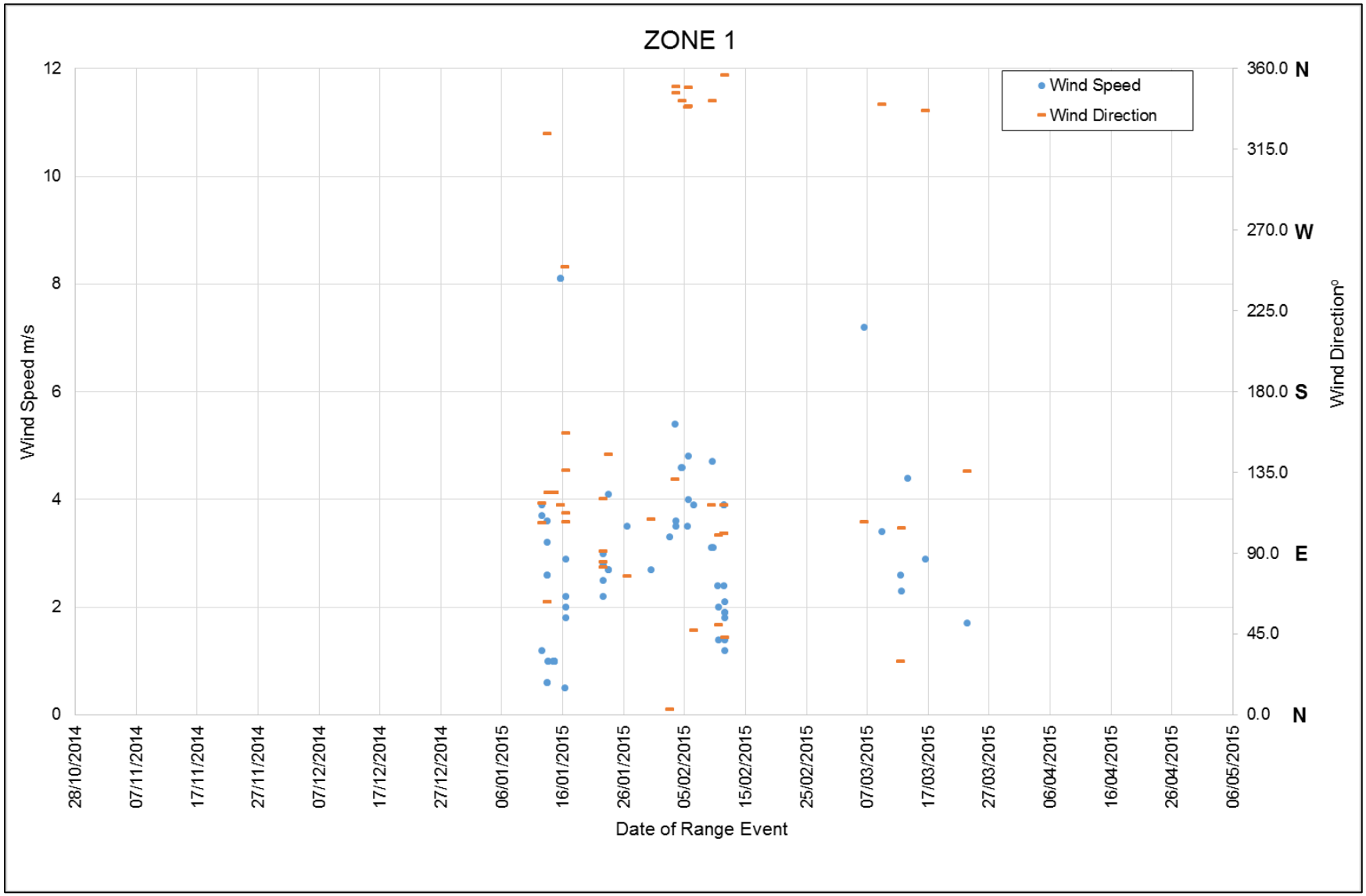


FIGURE 5.1: ZONE 1, SUMMARY OF MEASURED WIND SPEED (M/S) AND WIND DIRECTION 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

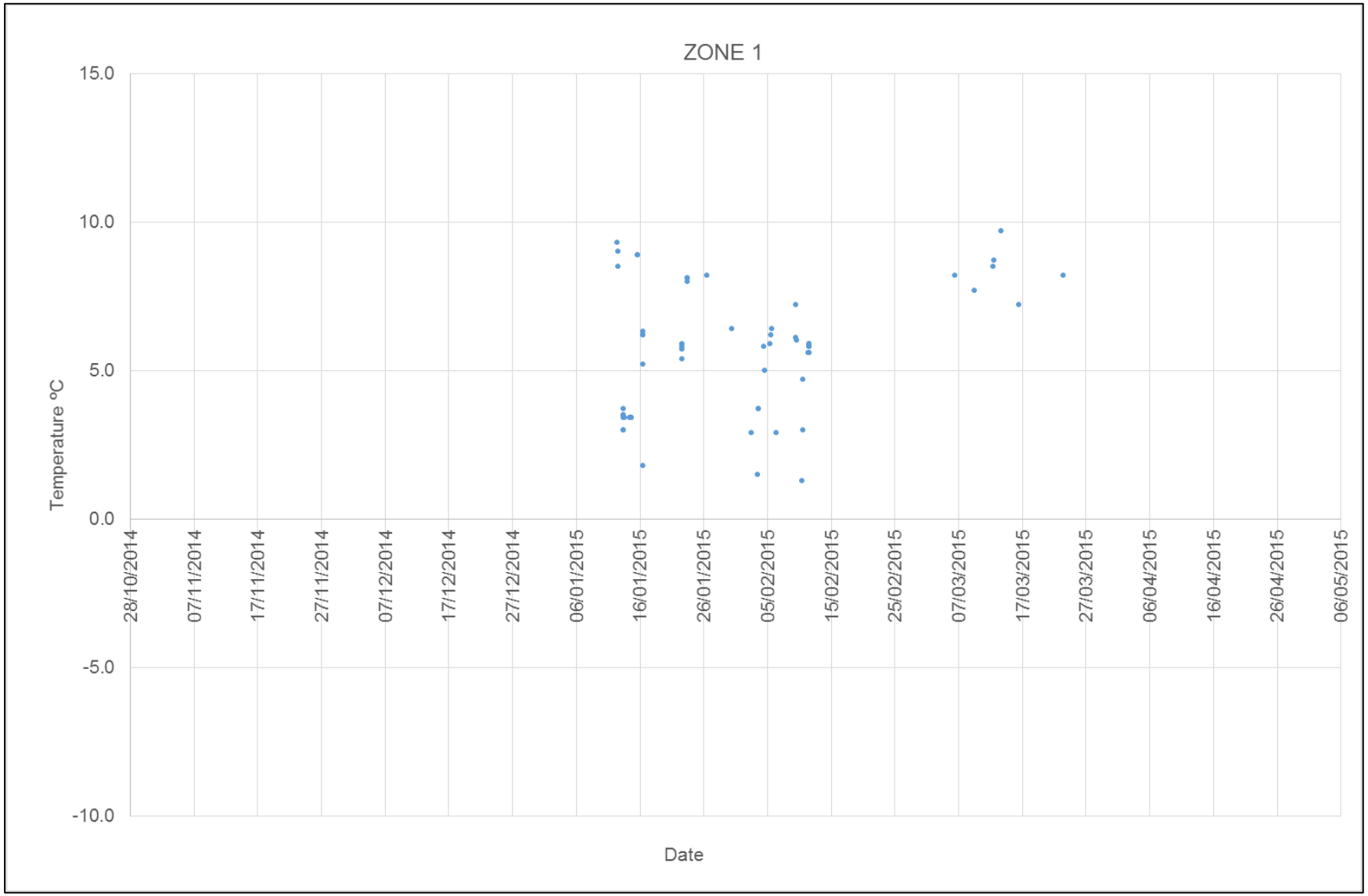


FIGURE 5.2: ZONE 1, SUMMARY OF MEASURED TEMPERATURE (°C) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

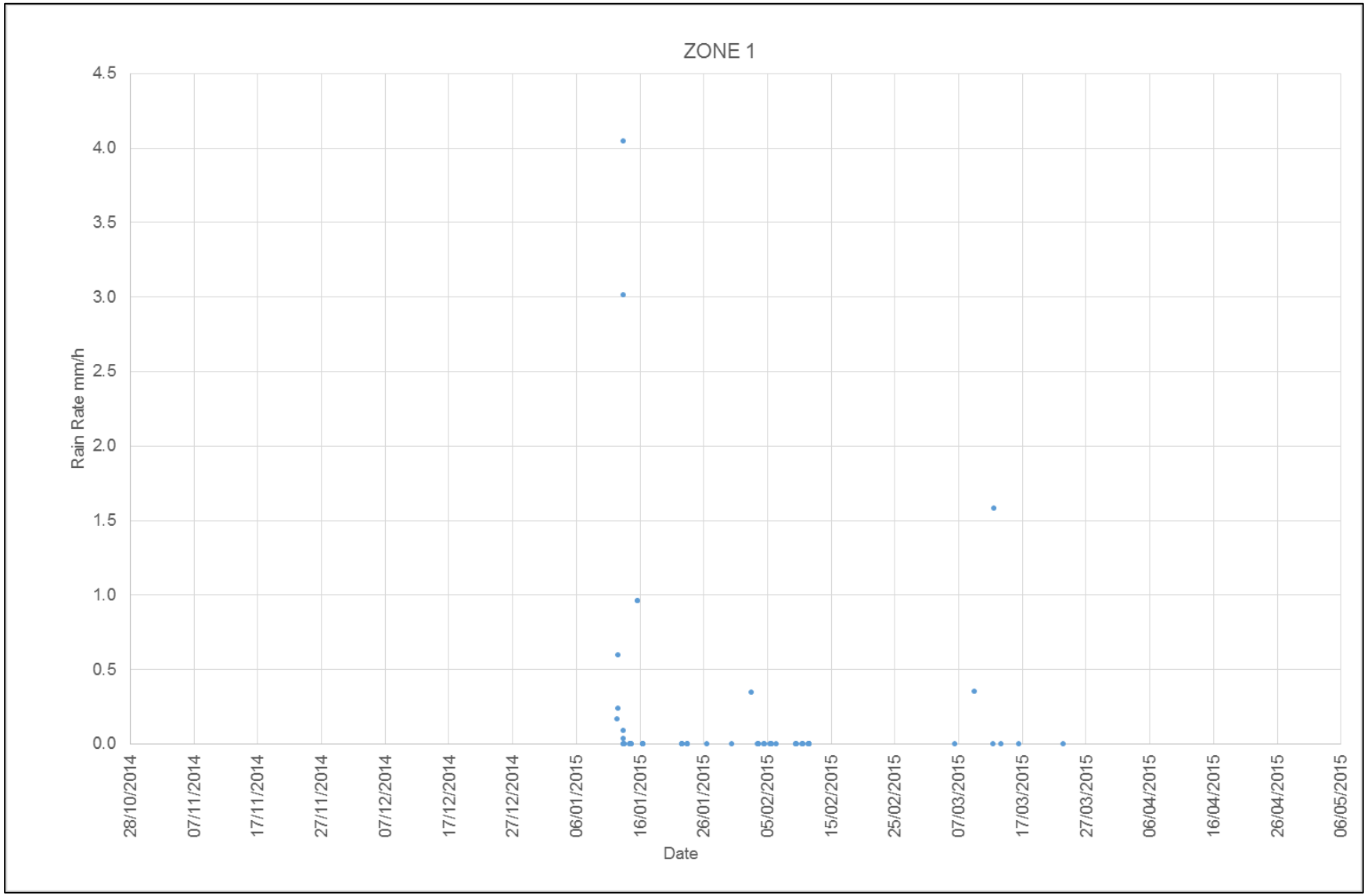


FIGURE 5.3: ZONE 1, SUMMARY OF MEASURED RAIN RATE (MM/HR) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

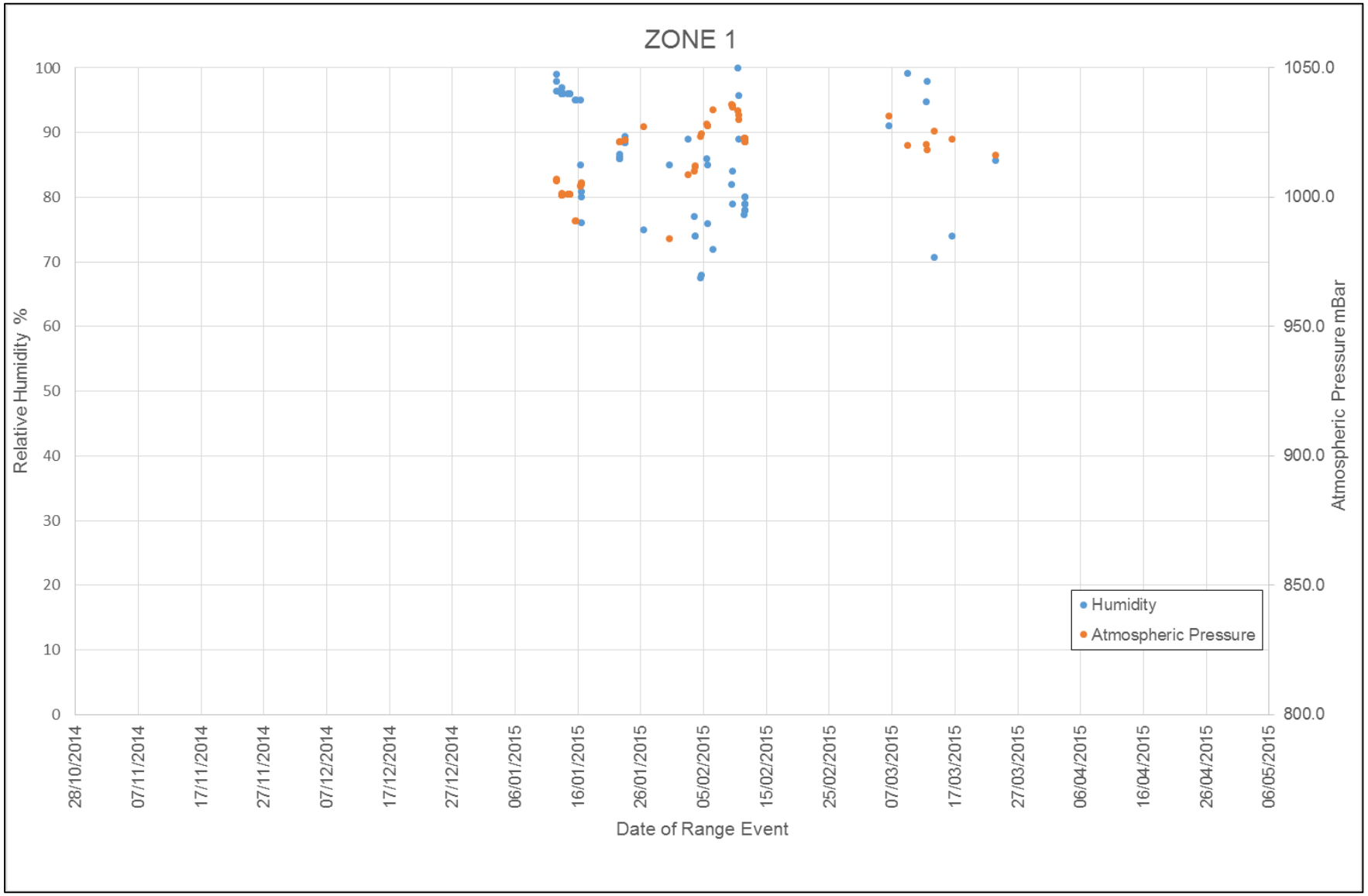


FIGURE 5.4: ZONE 1, SUMMARY OF MEASURED HUMIDITY (%) AND PRESSUE ($_{M}$BAR) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

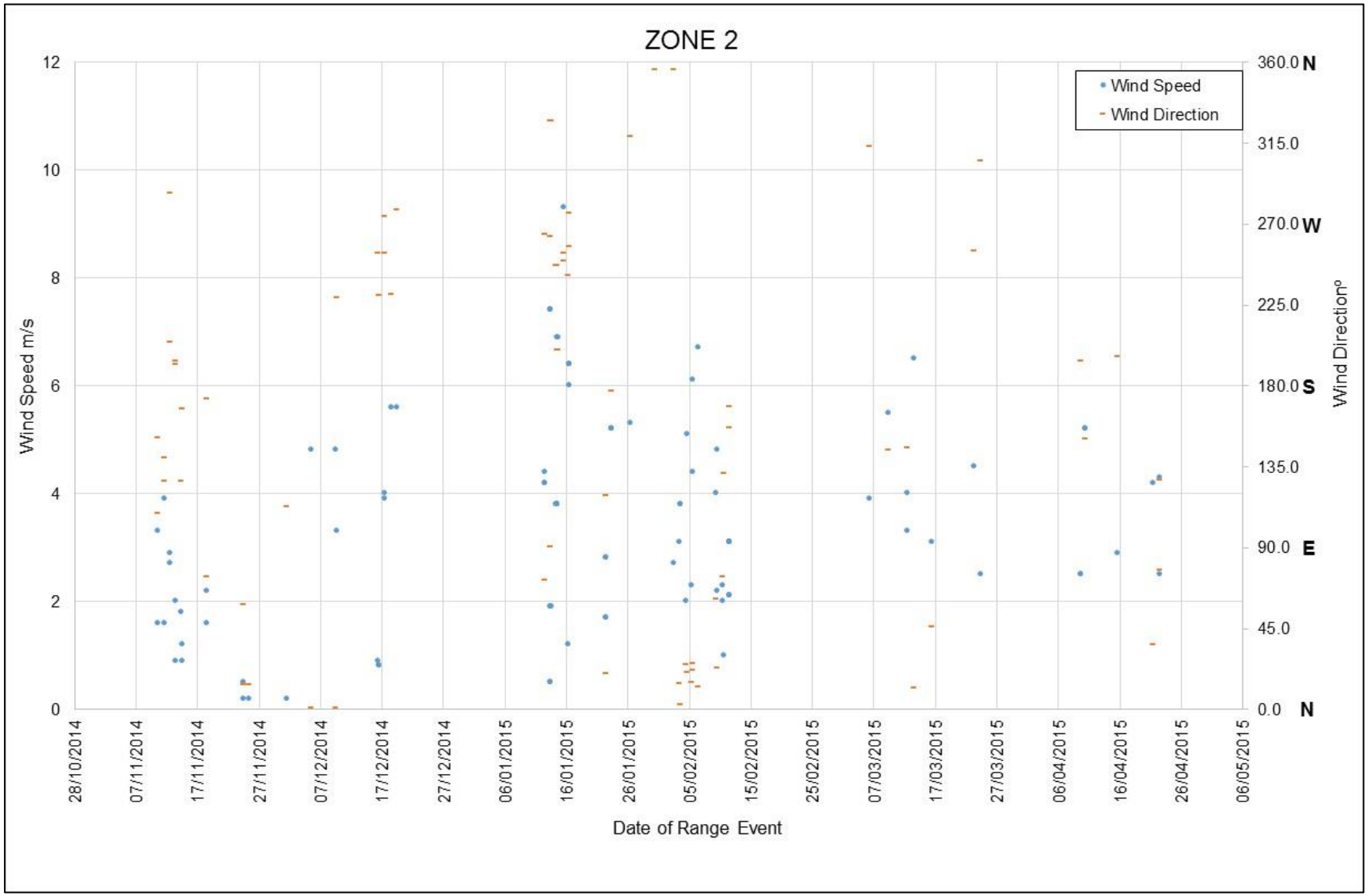


FIGURE 5.5: ZONE 2, SUMMARY OF MEASURED WIND SPEED (M/S) AND WIND DIRECTION 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

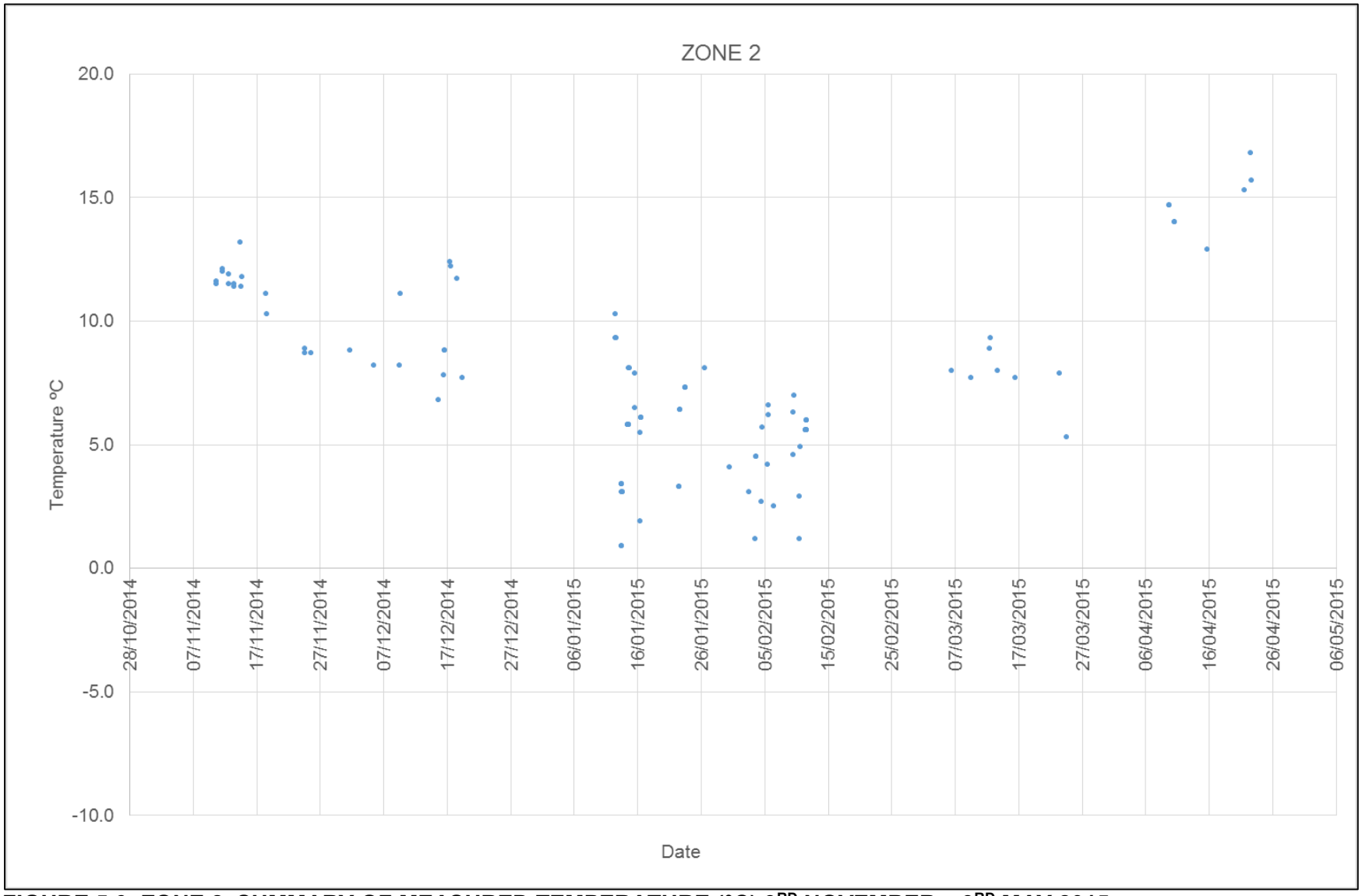


FIGURE 5.6: ZONE 2, SUMMARY OF MEASURED TEMPERATURE (°C) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

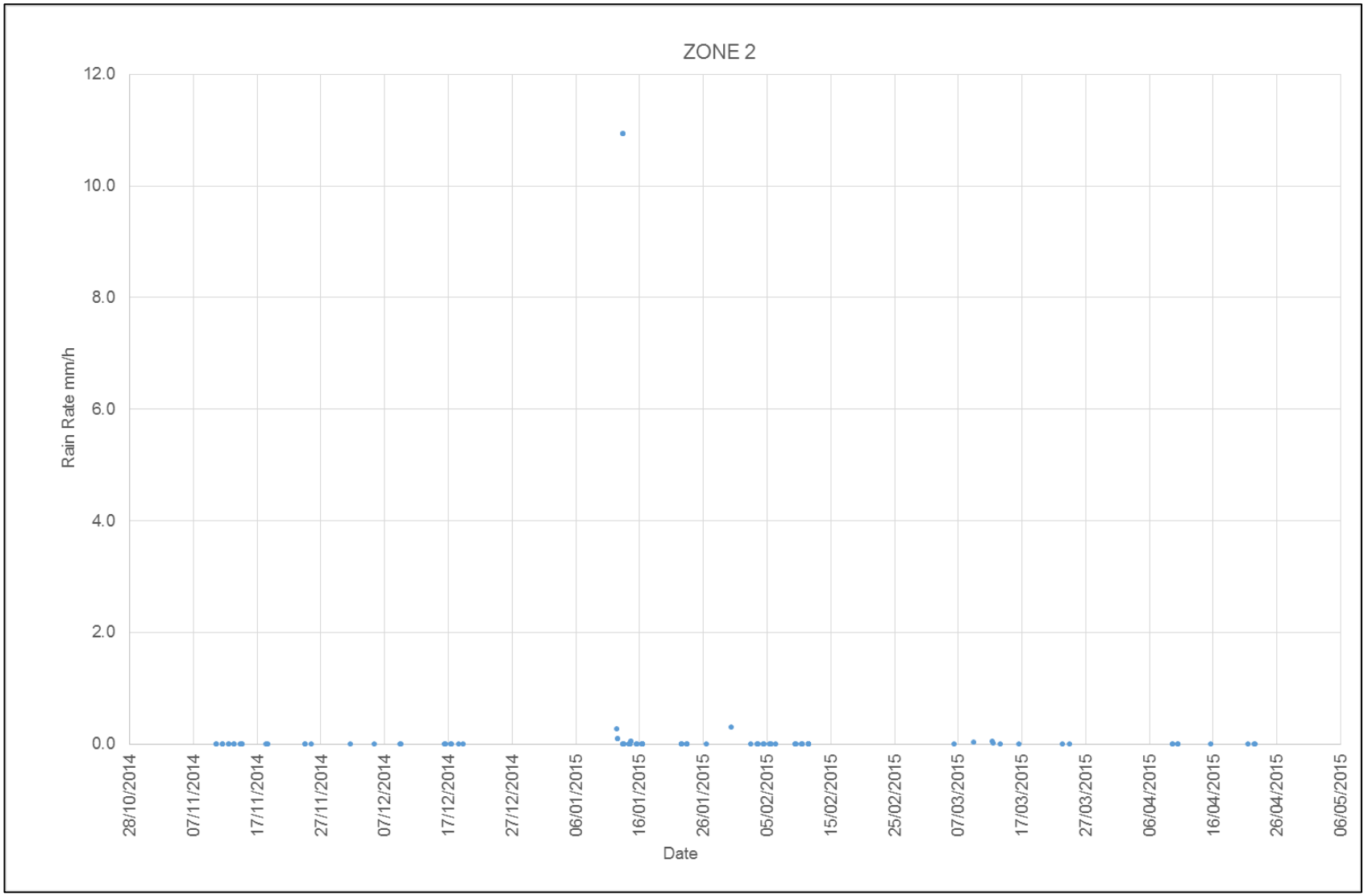


FIGURE 5.7: ZONE 2, SUMMARY OF MEASURED RAIN RATE (MM/HR) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

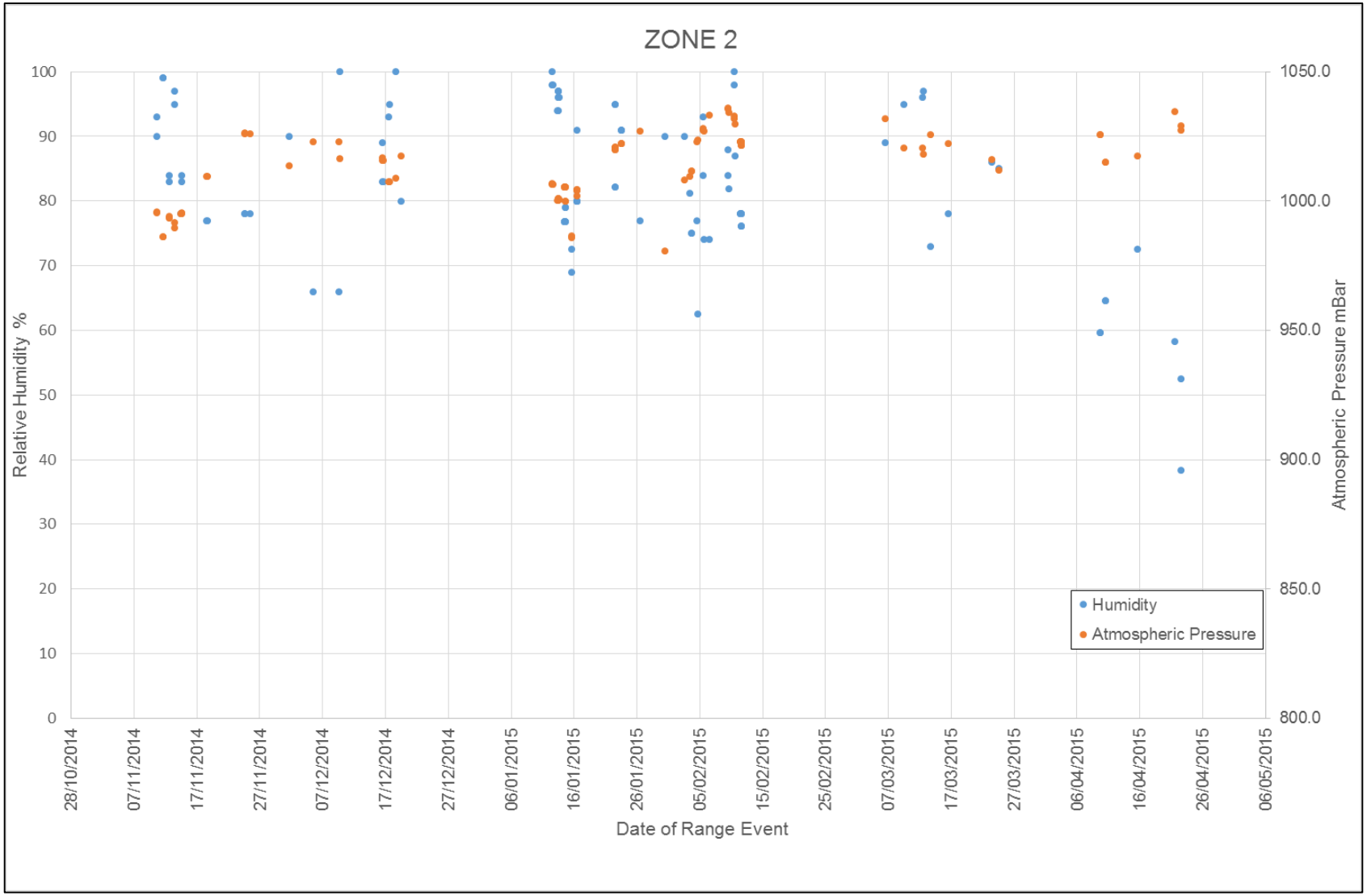


FIGURE 5.8: ZONE 2, SUMMARY OF MEASURED HUMIDITY (%) AND PRESSUE ($_{M}$BAR) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

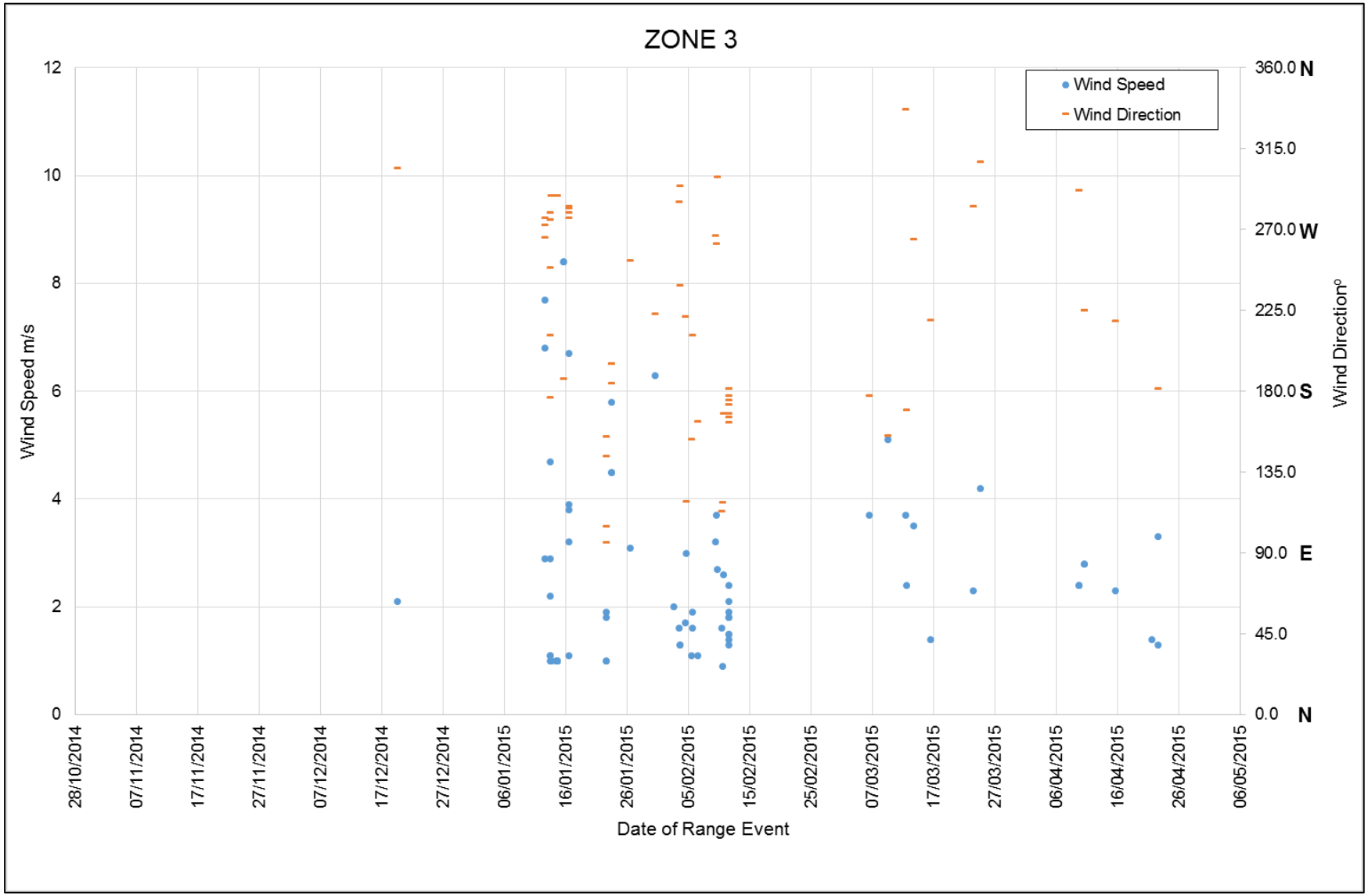


FIGURE 5.9: ZONE 3, SUMMARY OF MEASURED WIND SPEED (M/S) AND DIRECTION 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

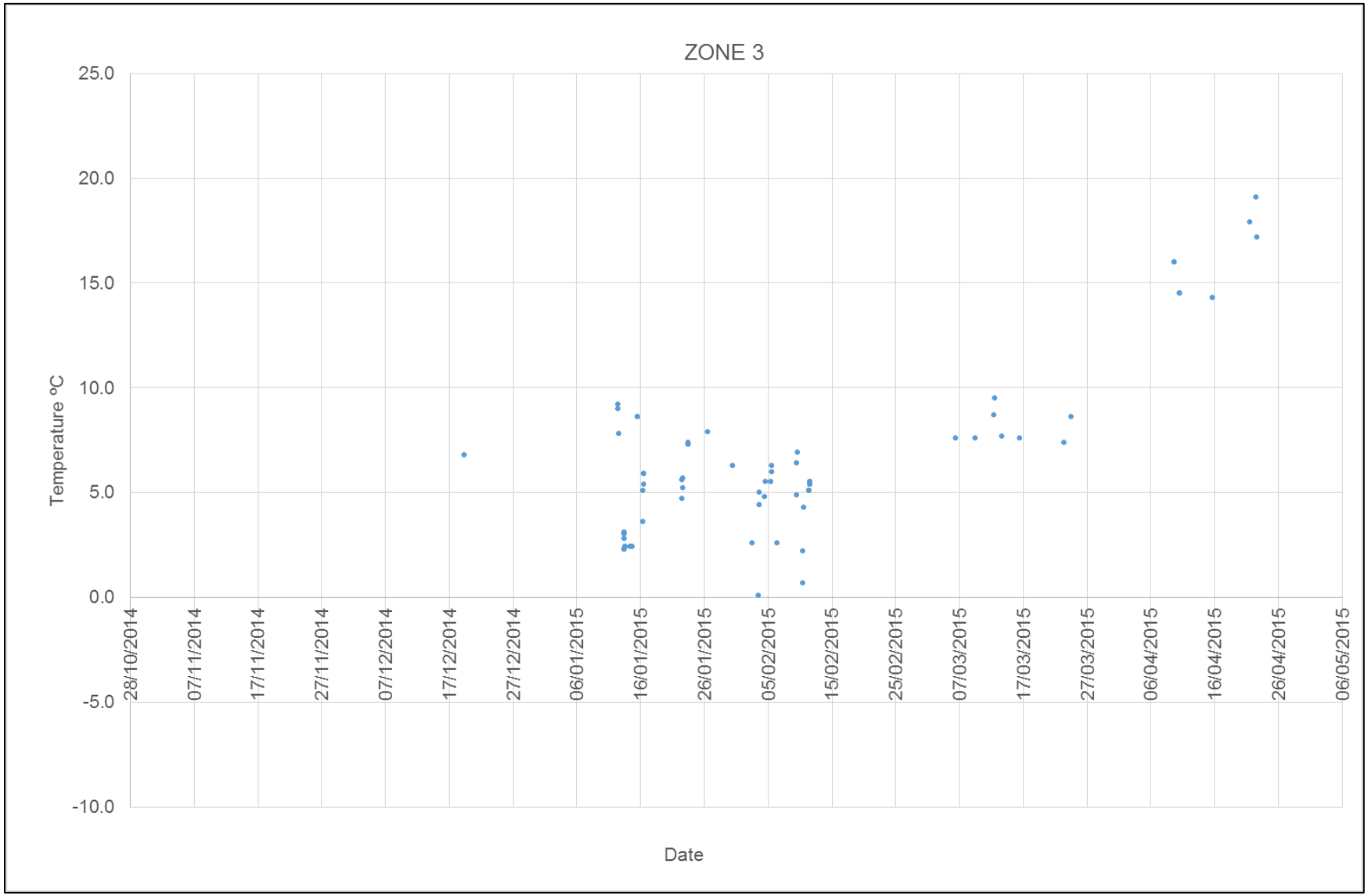


FIGURE 5.10: ZONE 3, SUMMARY OF MEASURED TEMPERATURE (°C) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

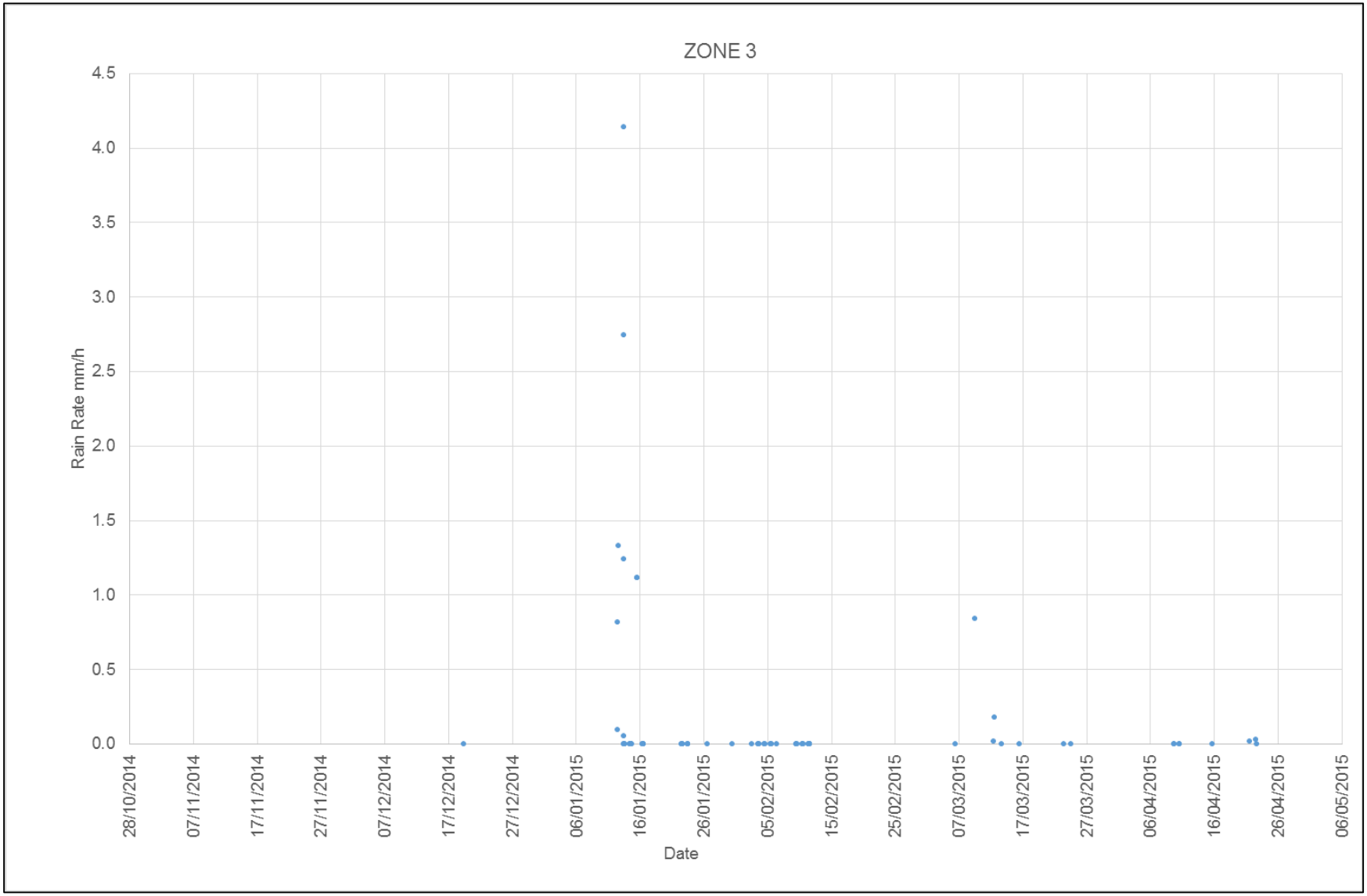


FIGURE 5.11: ZONE 3, SUMMARY OF MEASURED RAIN RATE (MM/HR) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

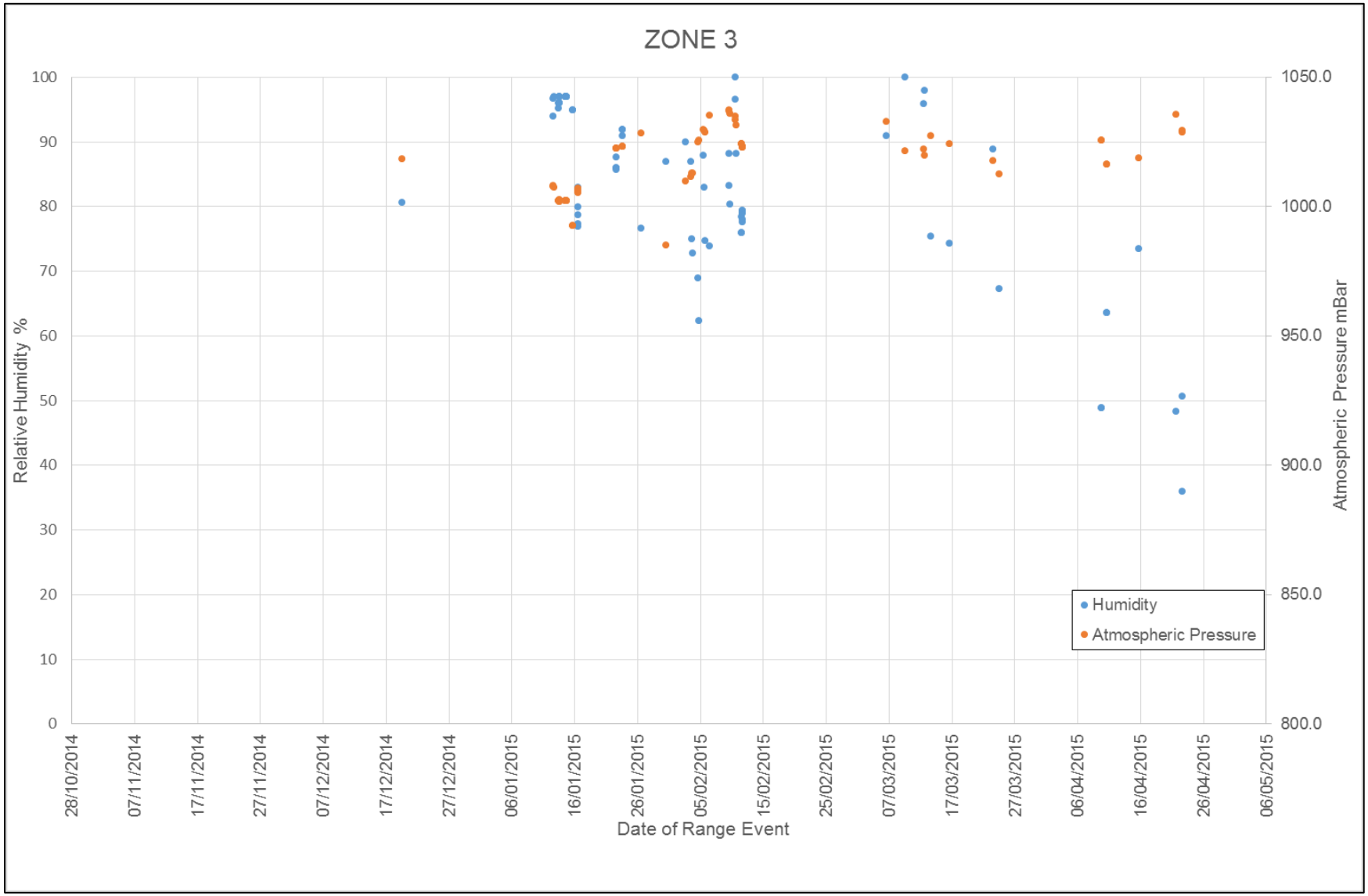


FIGURE 5.12: ZONE 3 SUMMARY OF MEASURED PRESSUE (MBAR) AND PRESSUE (MBAR) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

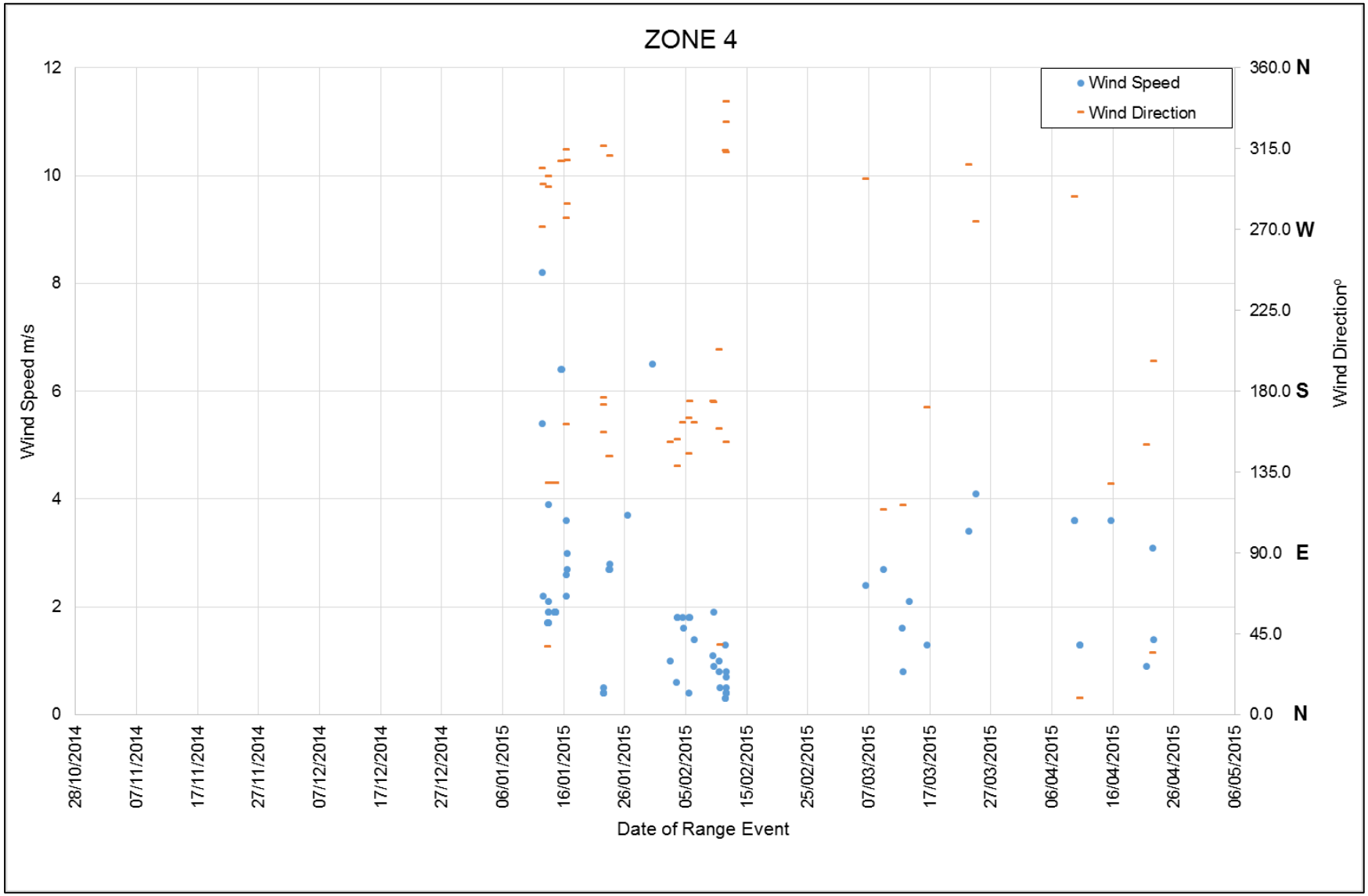


FIGURE 5.13: ZONE 4, SUMMARY OF MEASURED WIND SPEED (M/S) AND DIRECTION 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

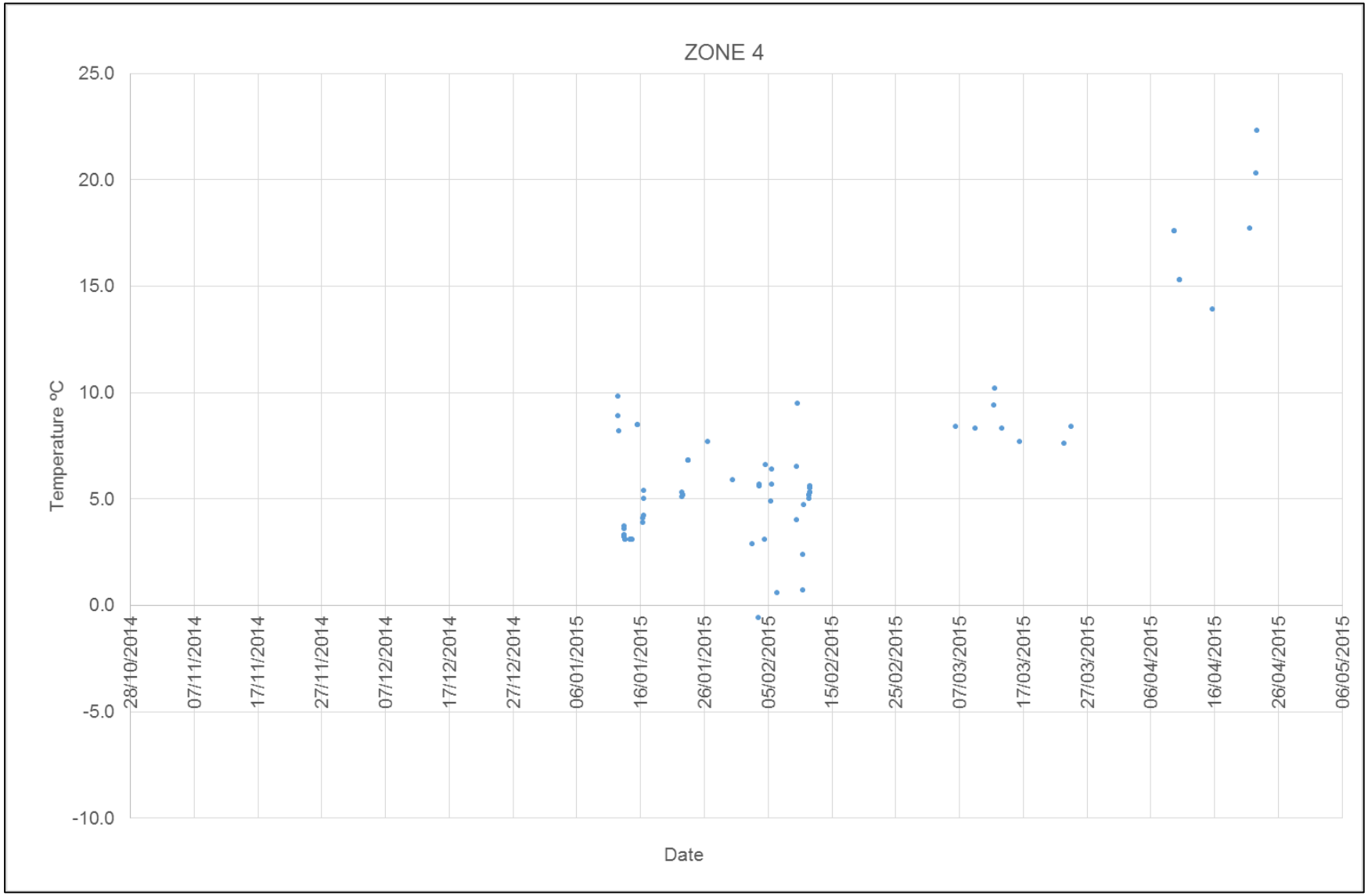


FIGURE 5.14: ZONE 4, SUMMARY OF MEASURED TEMPERATURE (°C) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

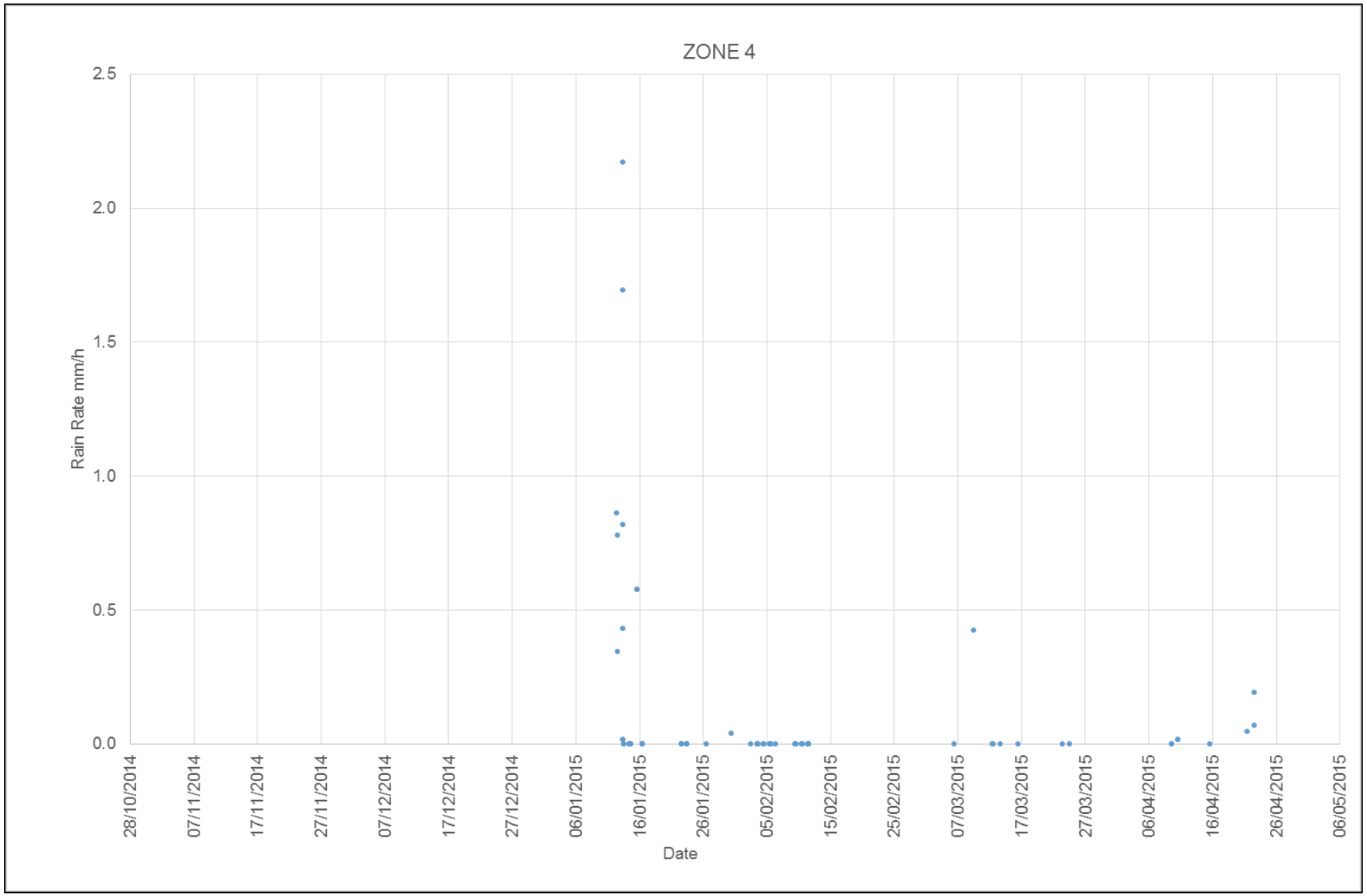


FIGURE 5.15: ZONE 4, SUMMARY OF MEASURED RAIN RATE (MM/HR) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

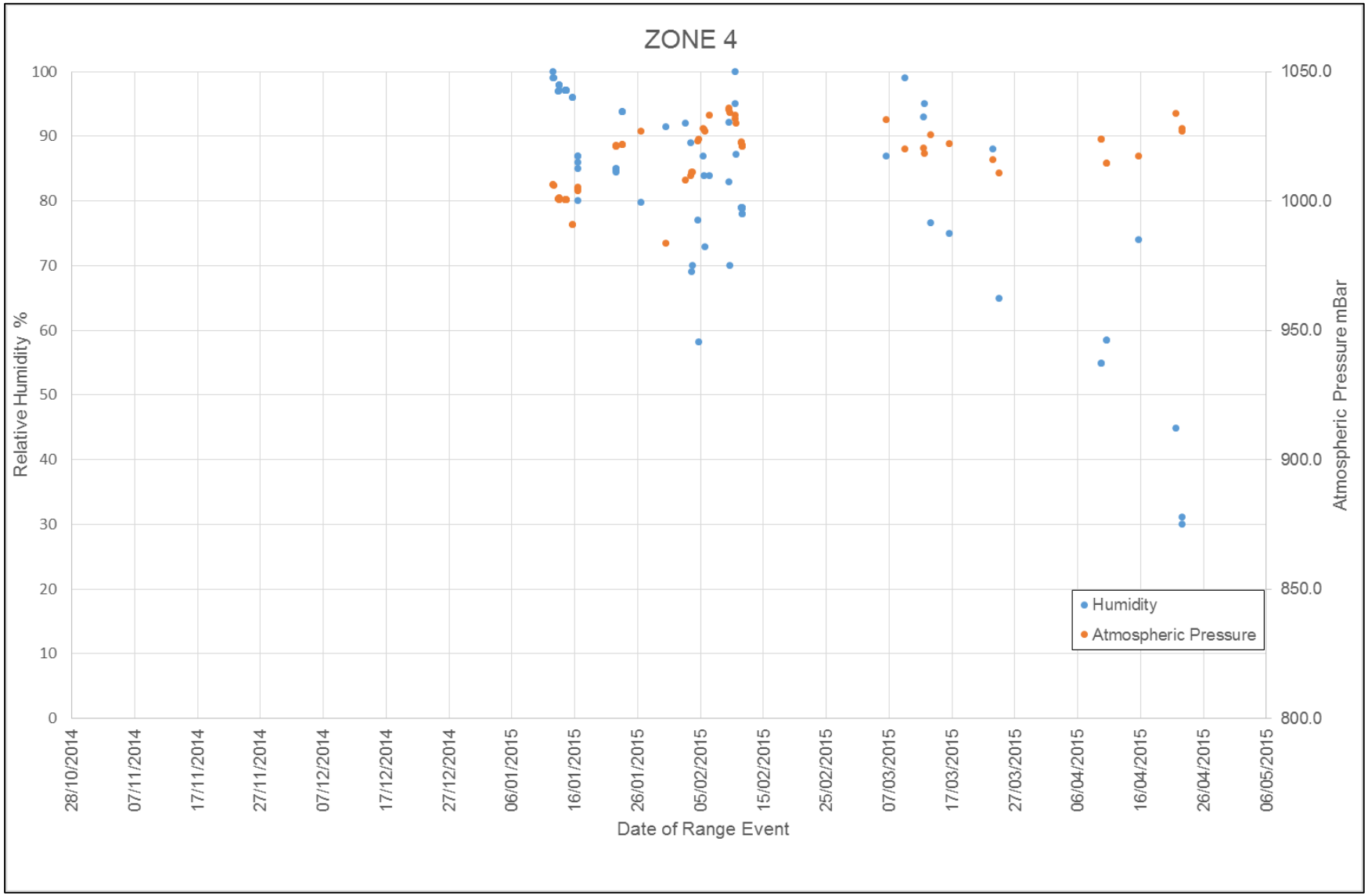


FIGURE 5.16: ZONE 4, SUMMARY OF MEASURED HUMIDITY (%) AND PRESSUE ($_M$BAR) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

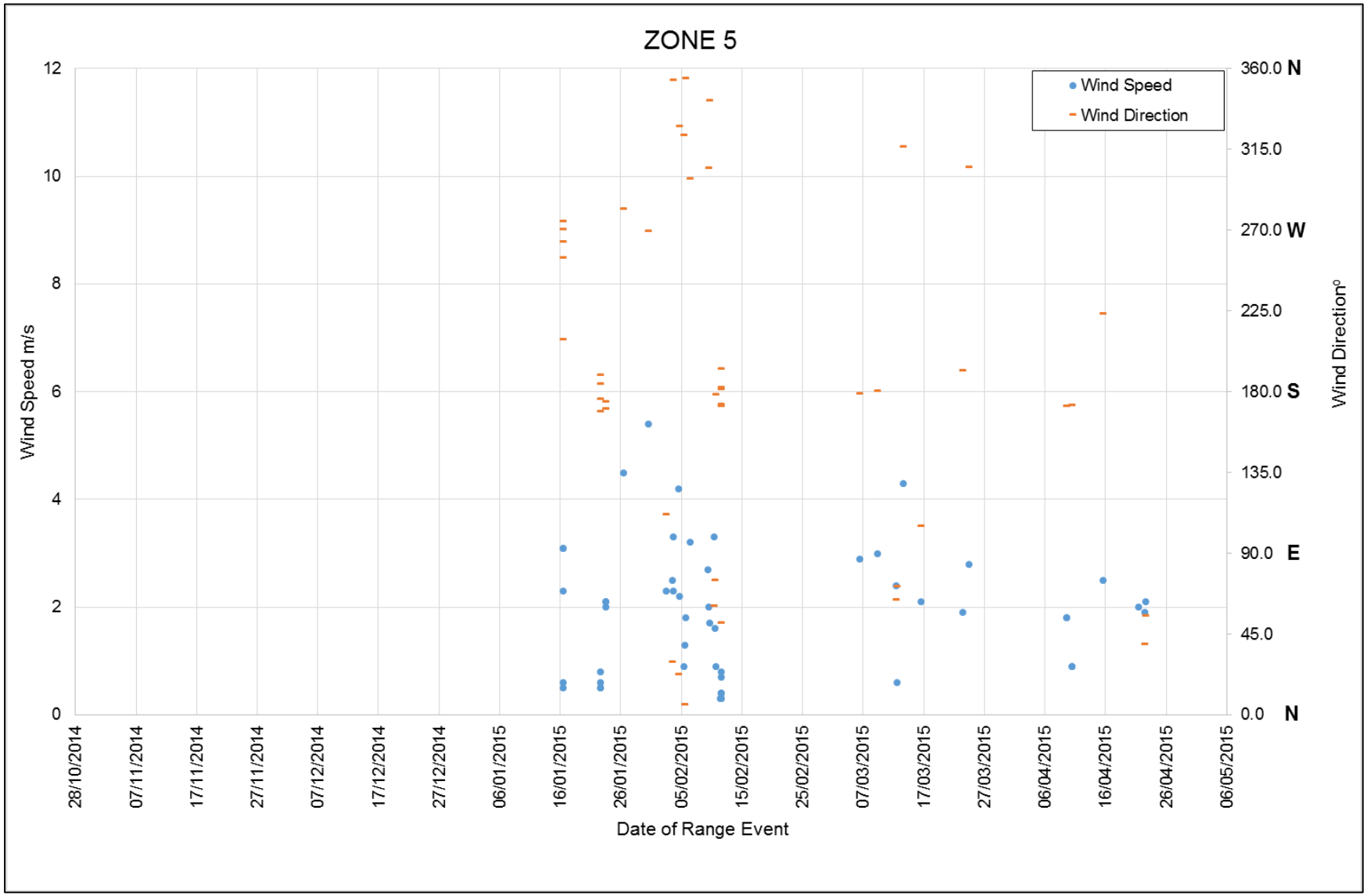


FIGURE 5.17: ZONE 5, SUMMARY OF MEASURED WIND SPEED (M/S) AND DIRECTION 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

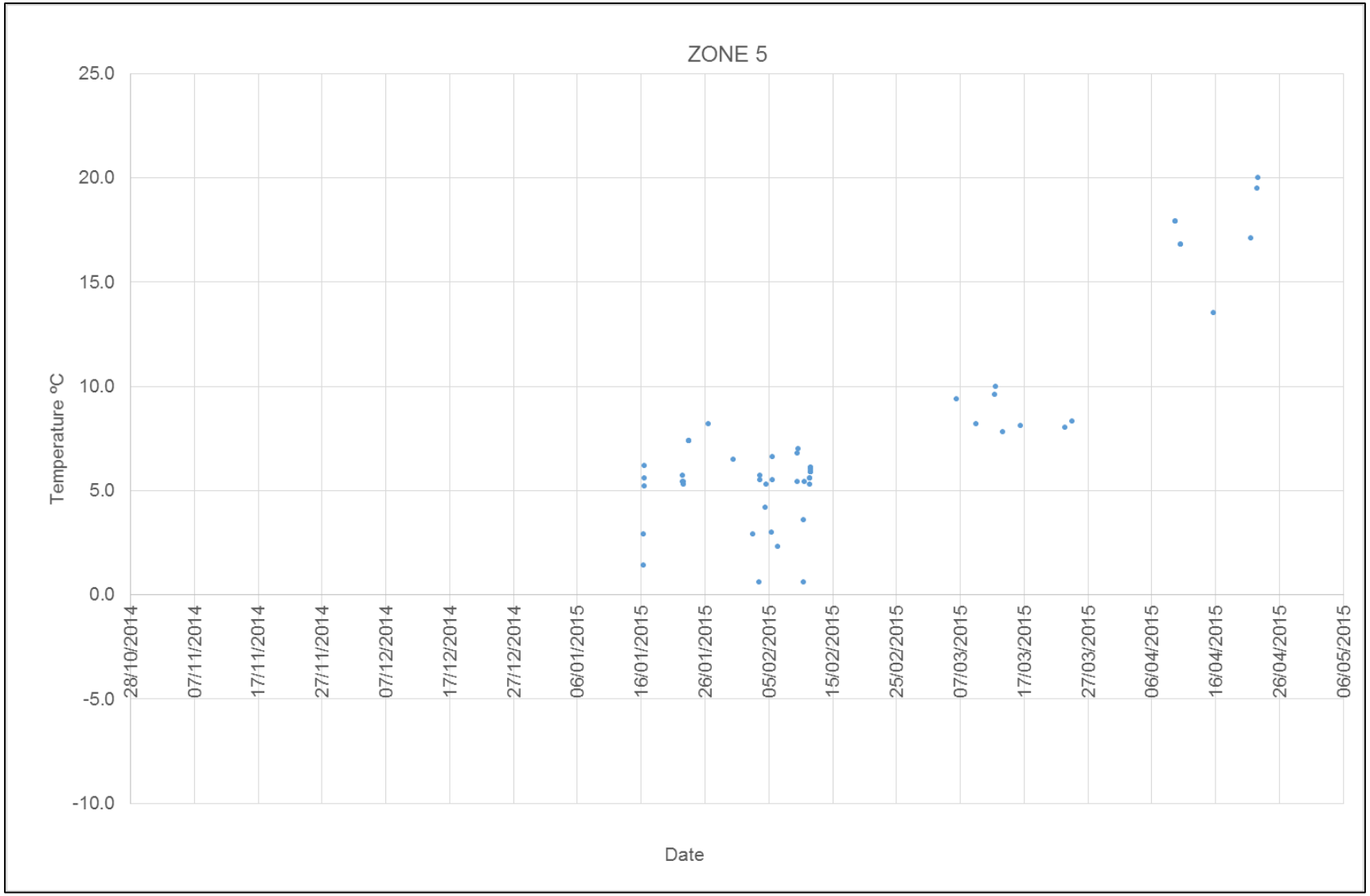


FIGURE 5.18: ZONE 5, SUMMARY OF MEASURED TEMPERATURE (°C) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

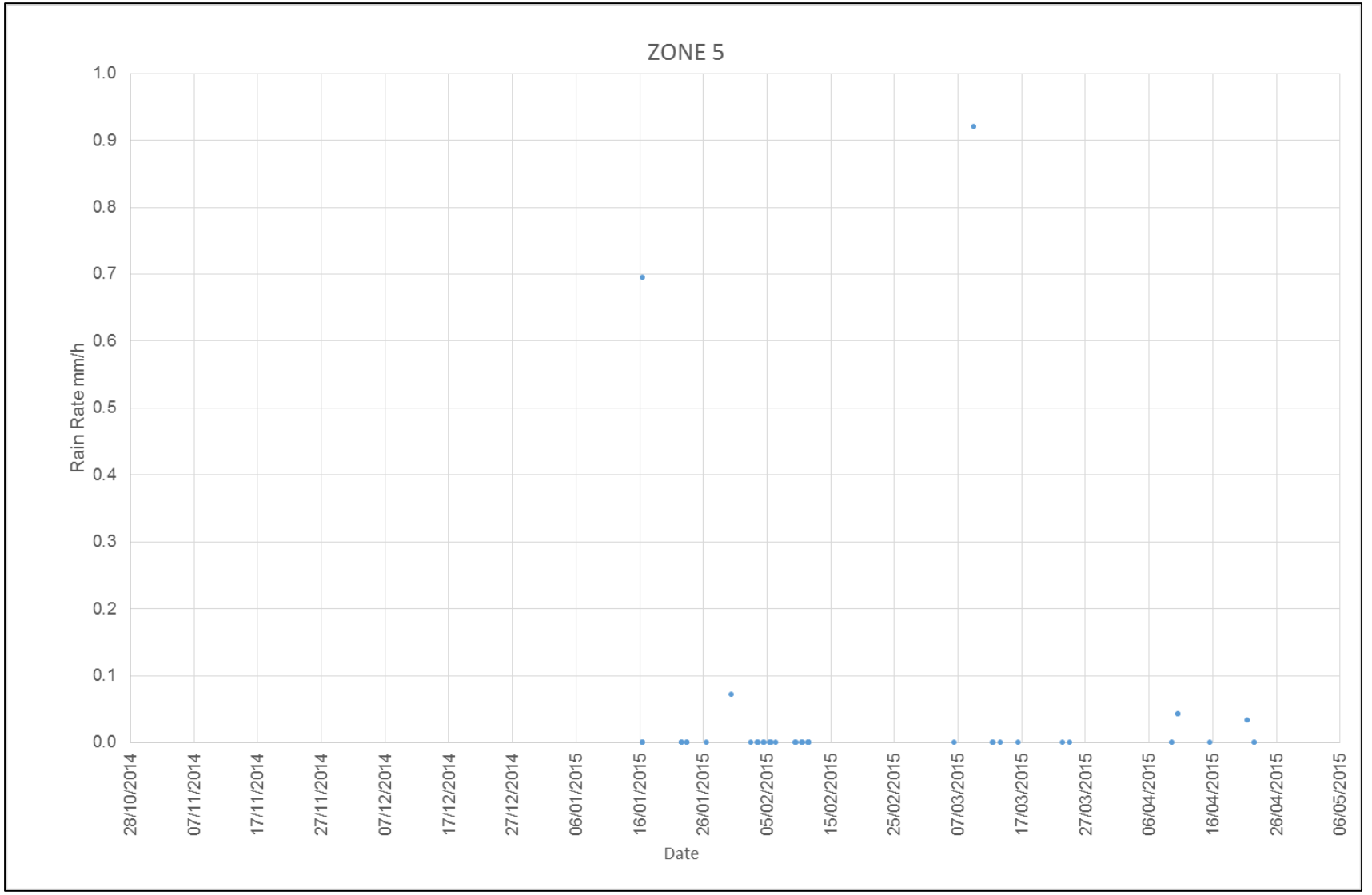


FIGURE 5.19: ZONE 5, SUMMARY OF MEASURED RAIN RATE (MM/HR) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.

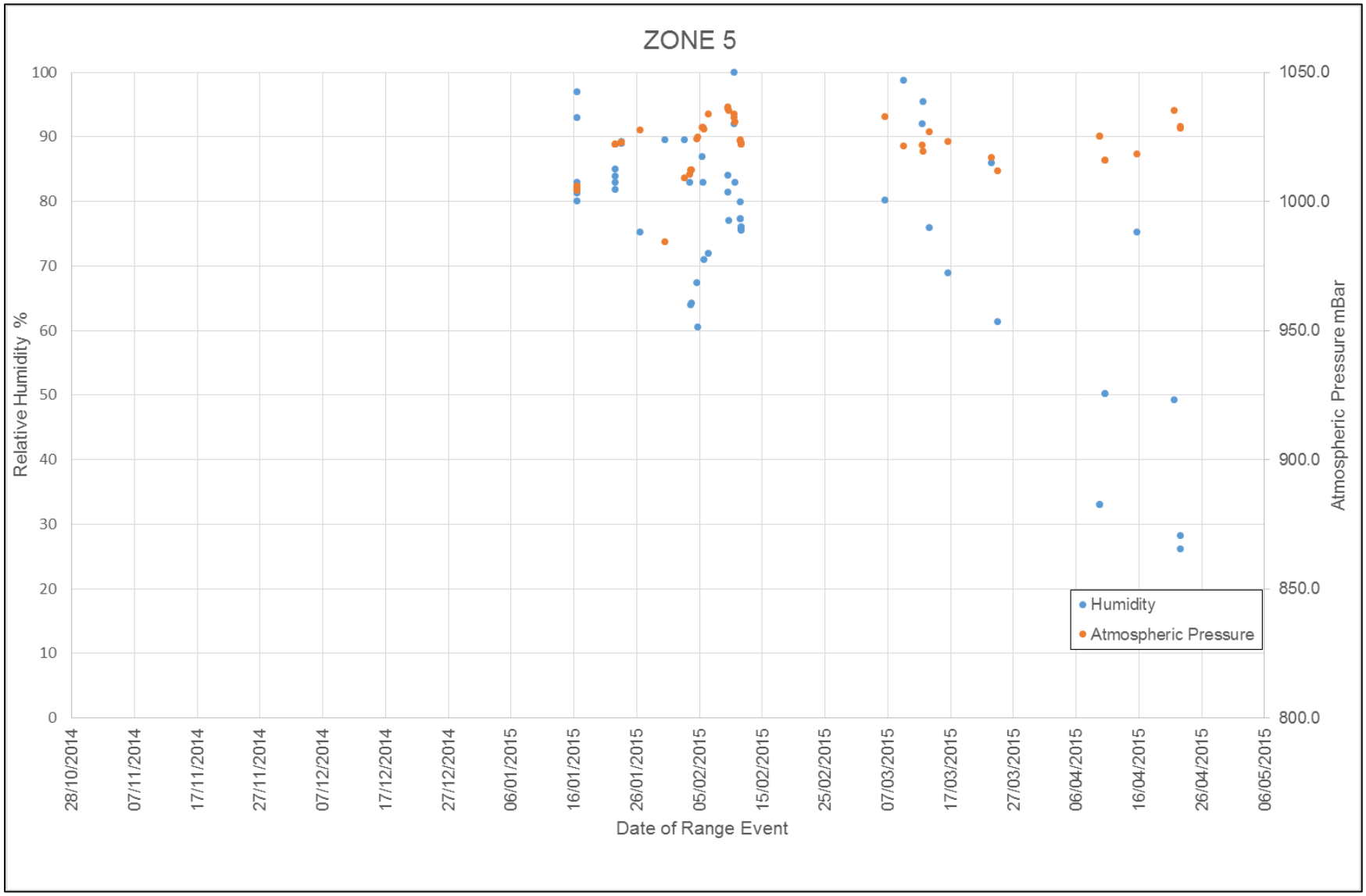


FIGURE 5.20: ZONE 5, SUMMARY OF MEASURED HUMIDITY (%) AND PRESSUE ($_{M}$BAR) 3RD NOVEMBER – 3RD MAY 2015

Notes:

[1] Presentation of weather data captured during Range firing events as presented in Volume 3 - Chapter 1.